



Hudson Yards PLATFORM

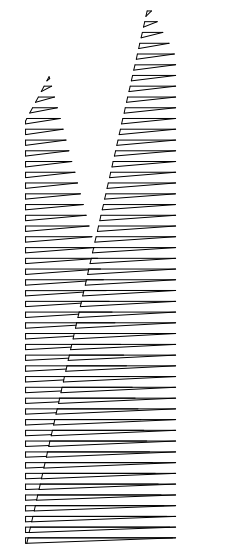
NYC DOB SUBMISSION
UPDATE
MARCH 17, 2014

Discipline Index

ZONING
LIFE SAFETY
ARCHITECTURAL
STRUCTURAL

HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
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LIRR Substation
ARCUM
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| 10 | DOB SUBMISSION UPDATE | 02/12/2014 |
| 9 | DOB SUBMISSION | 10/18/2013 |
| 8 | L.I.R.R. - 10% M&E SUBMISSION | 11/22/2013 |
| 7 | L.I.R.R. - 50% M&E SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0 | Description | Date |

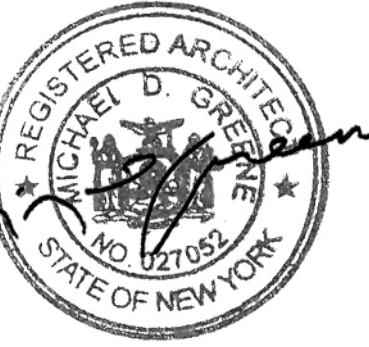
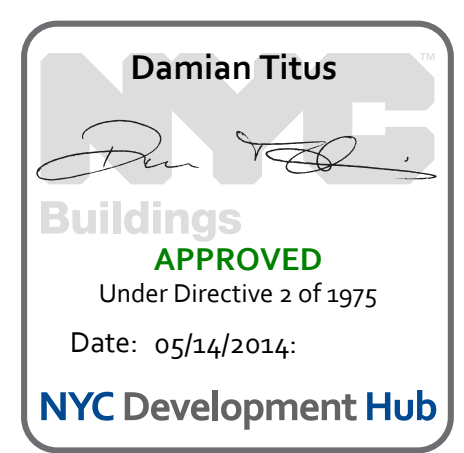
Rev. Plan

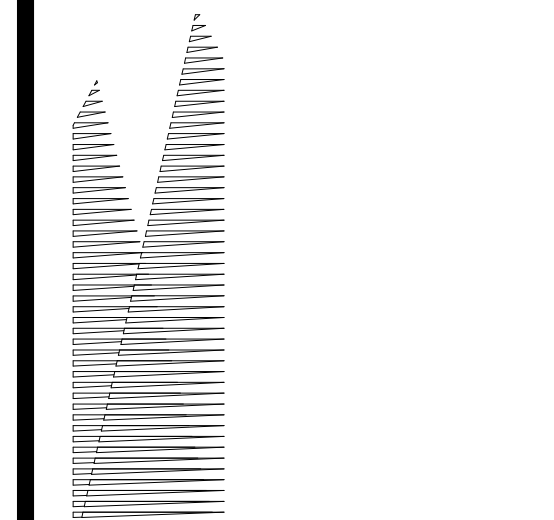
Date: 02/15/13
Project No: 219
Drawn By: [Signature]
Sheet Number

HYE -PL -T-001.00

TITLE SHEET

Sheet Number
T-001.00





Client Related Companies 60 Columbus Circle New York, NY 10023 TEL: 212.801.1048

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9 - DOB SUBMISSION UPDATE 3/17/2014

8 - L.R.R. - Pre-Final 100% 11/22/2013

7 - L.R.R. - 60% MOE SUBMISSION 6/14/2013

6 - L.R.R. - 60% MOE SUBMISSION 8/9/2013

5 - L.R.R. - 60% MOE SUPPLEMENT 8/9/2013

4 - L.R.R. - 60% MOE SUBMISSION 7/12/2013

3 - L.R.R. - 30% MOE SUBMISSION 6/14/2013

2 - L.R.R. - 60% SUBMISSION 5/29/2013

1 - L.R.R. - 30% SUBMISSION 2/15/2013

0 - 0% SUBMISSION 1/15/2013

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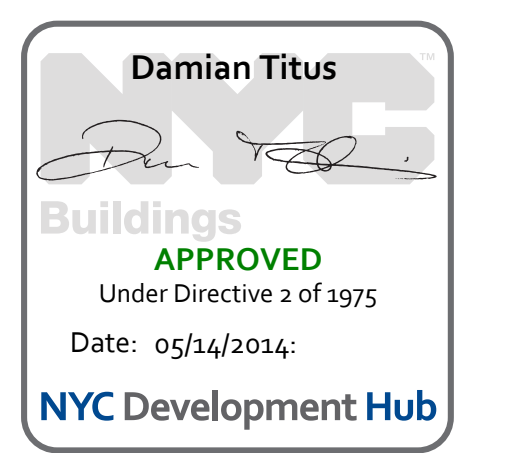
0 - 0% SUBMISSION 1/15/2013

HUDSON YARDS PLATFORM DRAWING LIST

Table listing drawing sheets for Hudson Yards Platform, including sheet number, title, scale, and responsibility.

HUDSON YARDS PLATFORM DRAWING LIST

Table listing drawing sheets for Hudson Yards Platform, including sheet number, title, scale, and responsibility.



APPROVED Under Directive 3 of 1975 Date: 05/14/2014 NYC Development Hub

| | | |
|------------------|-----------------|---|
| ZR-11 | Block | 702 |
| | Lot | 110 |
| | Zoning District | C6-4NY (Special Hudson Yards District) |
| | Zoning Map | Large-Scale Plan Subdistrict A |
| | Zoning Lot Area | Eastern Railyards Subarea A1 |
| | | 8,864 |
| | | 570,000 sf |
| ZR-13 | USE REGULATIONS | Uses Permitted |
| ZR-14 | | Use Group 1-12 |
| ZR-15 | | N/A not an alteration |
| ZR-32 | | Uses Provided |
| ZR-32-60 | | 12C |
| ZR-33-03 / 93-62 | SIGN REGS | No signage under this application |
| ZR-33-03 / 93-62 | STREET TREES | Frontage along 33rd Street: 800' Frontage along Tenth Ave.: 712.5' Frontage along 30th Street: 800' Frontage along Eleventh Ave.: 712.5' Total Frontage: 3,025' / 25' = 121 Trees |
| | | 121 Trees Required |
| | | 61 Provided |
| | | Note: Trees not shown at curb cuts, underneath existing highline, above 10' water tunnel infrastructure, or along Eleventh Avenue viaduct due to infeasibility of planting. |

| | | | |
|-------------|---------------------------------|---|----------|
| ZR-36-70 | BICYCLE PARKING | Use Group 12C - None Required | Complies |
| ZR-93-12 | | N/A No Residential Proposed under this application | |
| ZR-93-14 | RETAIL AND GLAZING REQUIREMENTS | None required under this application | Complies |
| ZR-93-17 | SIGNAGE | No signage under this application | Complies |
| ZR-93-18 | NON-CONFORMING USES | N/A - No enlargements of uses listed in ZR-93-18 are proposed under this application. | |
| ZR-93-19 | ELECTRICAL SUBSTATION | N/A - no Electrical Substations proposed | |
| ZR-93-21(B) | Floor Area | Max Commercial FAR = 9.0 Max Commercial Floor Area permitted: 570,000 sf x 9 = 5,130,000 Floor Area proposed under this application: 98,888 sf Floor Area Filed under separate application #121324290: 1,414,964 sf Floor Area Filed under separate application #121331193: 17,816 sf | Complies |
| ZR-93-31 | | N/A to subarea A1 | |
| ZR-93-32 | | N/A to subarea A1 | |
| ZR-93-33 | | N/A to subarea A1 | |
| ZR-93-34 | | N/A No redistribution from subarea A1 proposed under this application | |

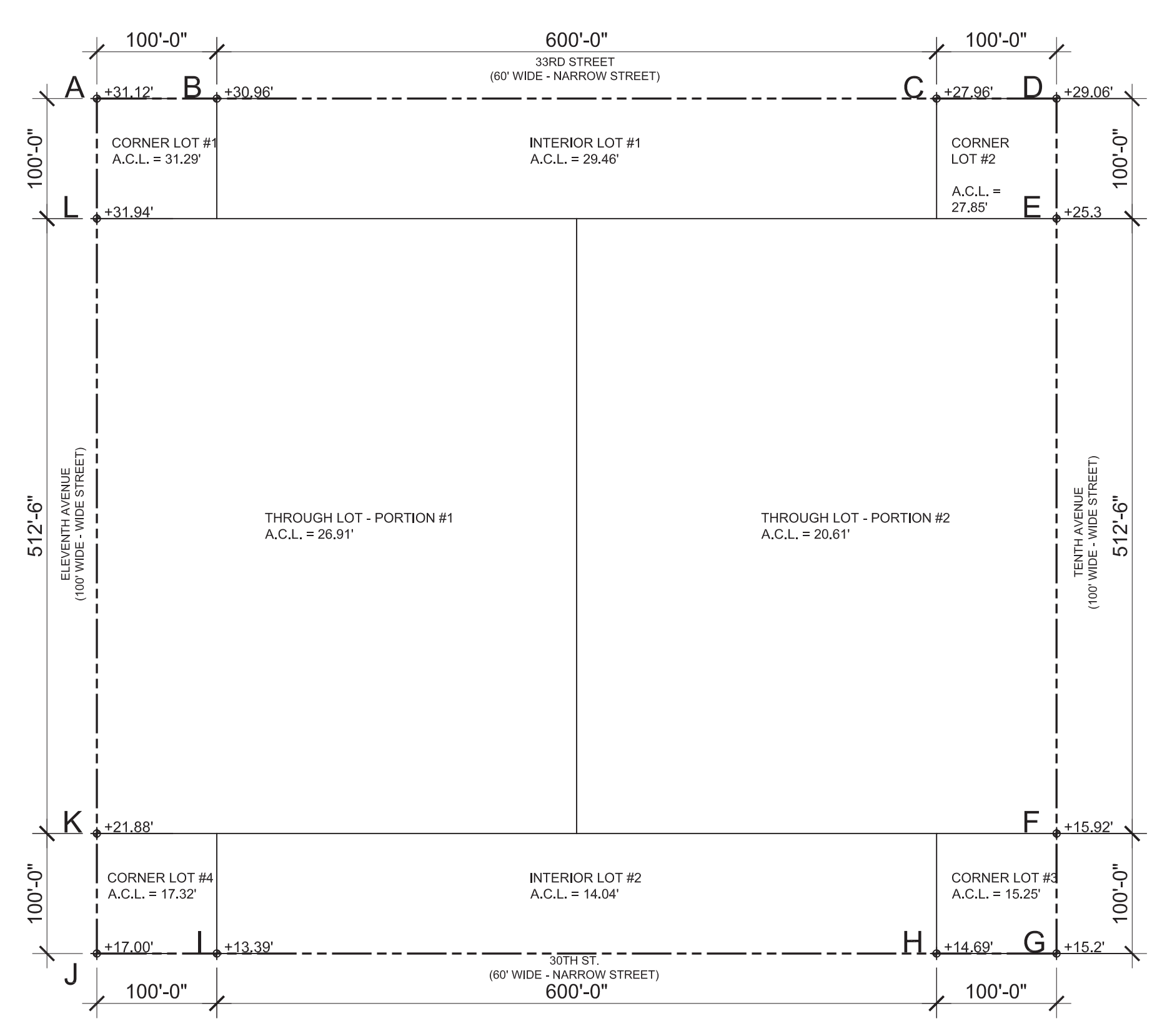
| | | | |
|------------------|--|---|----------|
| ZR-93-40 | HEIGHT AND SETBACK REGULATIONS | Setback regulations superseded by 93-514 except along Tenth Avenue (WIDE STREET) where a street wall is to be provided to min. 60' above sidewalk level. See sheet Z-030 for Zoning | Complies |
| ZR-93-514 | LOCATION OF BUILDINGS | See Site Plan - Drawing 01/Sheet Z-001.00 | Complies |
| ZR-93-514(a) | BUILDING LOCATION AT SPUR | No proposed building adjacent to Spur | Complies |
| ZR-93-60 | MANDATORY IMPROVEMENTS | See Site Plan - Drawing 1/Sheet Z-001.00 | Complies |
| ZR-93-61 / 93-A4 | Sidewalk Widening | See Site Plan - Drawing 1/Sheet Z-001.00 | Complies |
| ZR-93-63 | Pedestrian Circulation Space | N/A per 93-63(f) | |
| ZR-93-64 | Major Building Entrances | N/A to subarea A1 | |
| ZR-93-66 | Open Area Requirements in Large-Scale Plan Subdistrict A | N/A to subarea A1 | |
| ZR-93-70 | PUBLIC ACCESS REQUIREMENTS | See Sheets Z-020.00 - 0228.00 | Complies |
| ZR-93-71 | | see Phasing Plan - Sheet Z-022.00 | Complies |
| ZR-93-71 (c) | | See Sheet Z-023.00 | Complies |
| ZR-93-72 | | N/A to subarea A1 | |
| ZR-93-73 | | N/A to subarea A1 | |
| ZR-93-74 | | N/A to subarea A1 | |
| ZR-93-75 | | N/A to subarea A1 | |
| ZR-93-76 | | N/A to subarea A1 | |
| ZR-93-77 | | N/A to subarea A1 | |
| ZR-93-78 | | N/A to subarea A1 | |

| | | | |
|-----------|--|--|----------|
| ZR-93-80 | PARKING | Permitted 350 None proposed under this application | Complies |
| ZR-93-822 | | N/A to subarea A1 | |
| ZR-93-83 | Use and Location of Parking Facilities | No parking proposed under this application | Complies |
| ZR-93-831 | Authorization for above-grade parking | No parking proposed under this application | |
| ZR-93-84 | Curb Cut Restrictions | N/A - no new curb cuts proposed along Tenth or Eleventh Avenue | |
| ZR-93-841 | | N/A to subarea A1 | |
| ZR-93-842 | | N/A to subarea A1 | |
| ZR-93-85 | | N/A to subarea A1 | |
| ZR-93-90 | Harassment | N/A - no residential proposed under this application | |
| ZR-93-91 | Demolition | N/A - no demolition of "Multiple Dwelling" proposed under this application | |

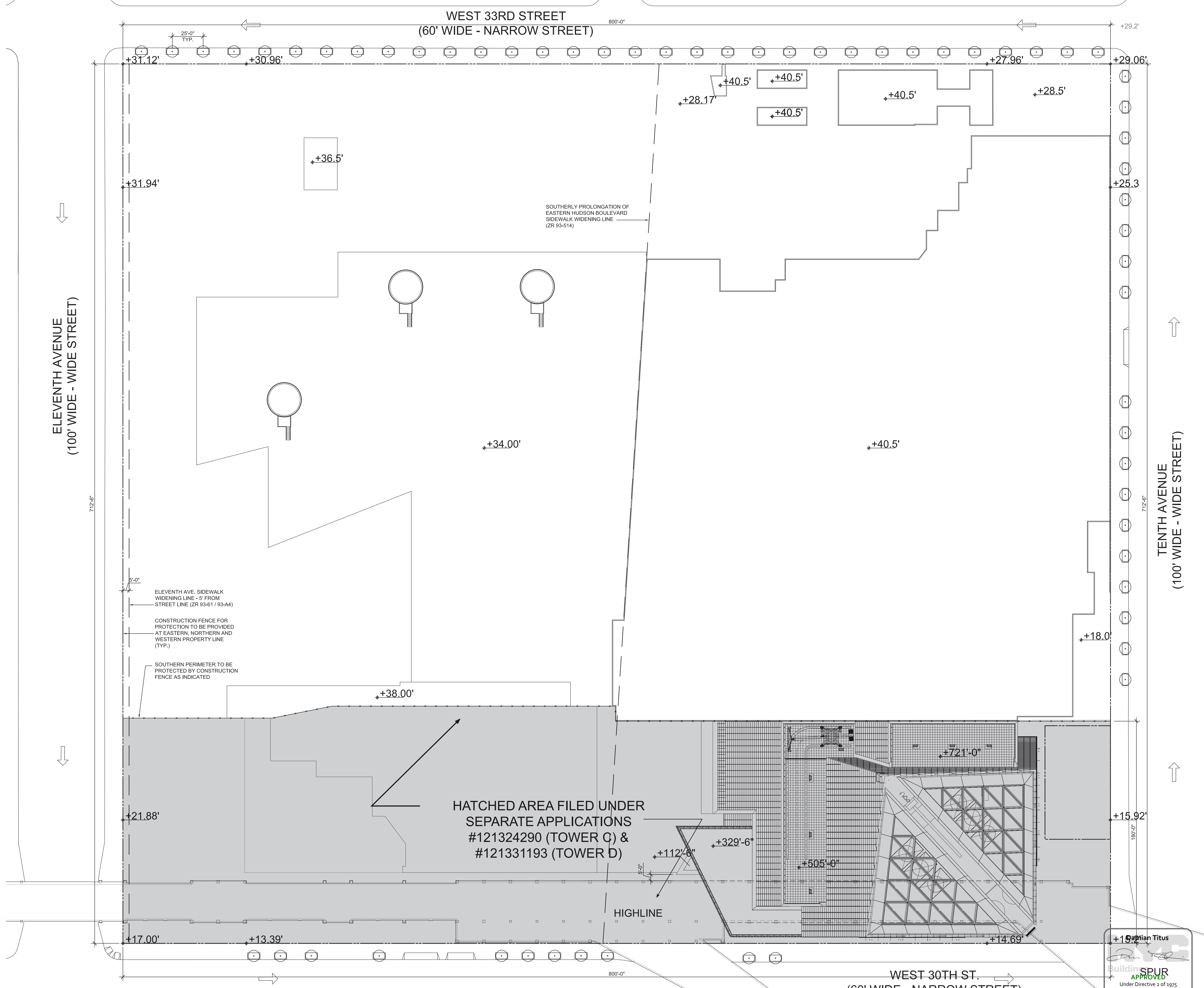
2 ZONING CALCULATIONS

| | | | | |
|-------------------------------|---|---|--|---------------|
| CORNER LOT #1 | | | | |
| $\frac{(A+B)/2 + (A+L)/2}{2}$ | $\frac{(31.12' + 30.96')/2 + ((31.12' + 31.94')/2)}{2}$ | + | | 31.29' |
| INTERIOR LOT #1 | | | | |
| $\frac{B+C}{2}$ | $\frac{30.96' + 27.96'}{2}$ | + | | 29.46' |
| CORNER LOT #2 | | | | |
| $\frac{(C+D)/2 + (D+E)/2}{2}$ | $\frac{(27.96' + 29.06')/2 + ((29.06' + 25.3')/2)}{2}$ | + | | 27.85' |
| THROUGH LOT PORTION #2 | | | | |
| $\frac{E+F}{2}$ | $\frac{25.3' + 15.92'}{2}$ | + | | 20.61' |
| CORNER LOT #3 | | | | |
| $\frac{(F+G)/2 + (G+H)/2}{2}$ | $\frac{(15.92' + 15.2')/2 + ((15.2' + 14.69')/2)}{2}$ | + | | 15.25' |
| INTERIOR LOT #2 | | | | |
| $\frac{H+I}{2}$ | $\frac{14.69' + 13.39'}{2}$ | + | | 14.04' |
| CORNER LOT #4 | | | | |
| $\frac{(I+J)/2 + (J+K)/2}{2}$ | $\frac{(13.39' + 17.0')/2 + ((17.0' + 21.88')/2)}{2}$ | + | | 17.32' |
| THROUGH LOT #1 | | | | |
| $\frac{K+L}{2}$ | $\frac{21.88' + 31.94'}{2}$ | + | | 26.91' |

4 CURB LEVEL CALCULATION
SCALE: NTS

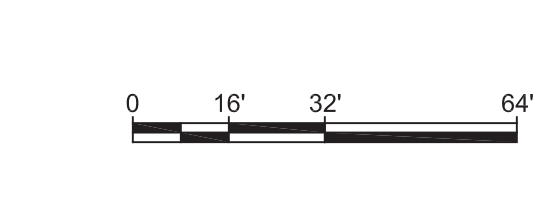


3 CURB LEVEL PLAN
SCALE: 1/128"=1'-0"



+1 Spur
Building SPUR
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

1 SITE PLAN
SCALE: 1/32"=1'-0"



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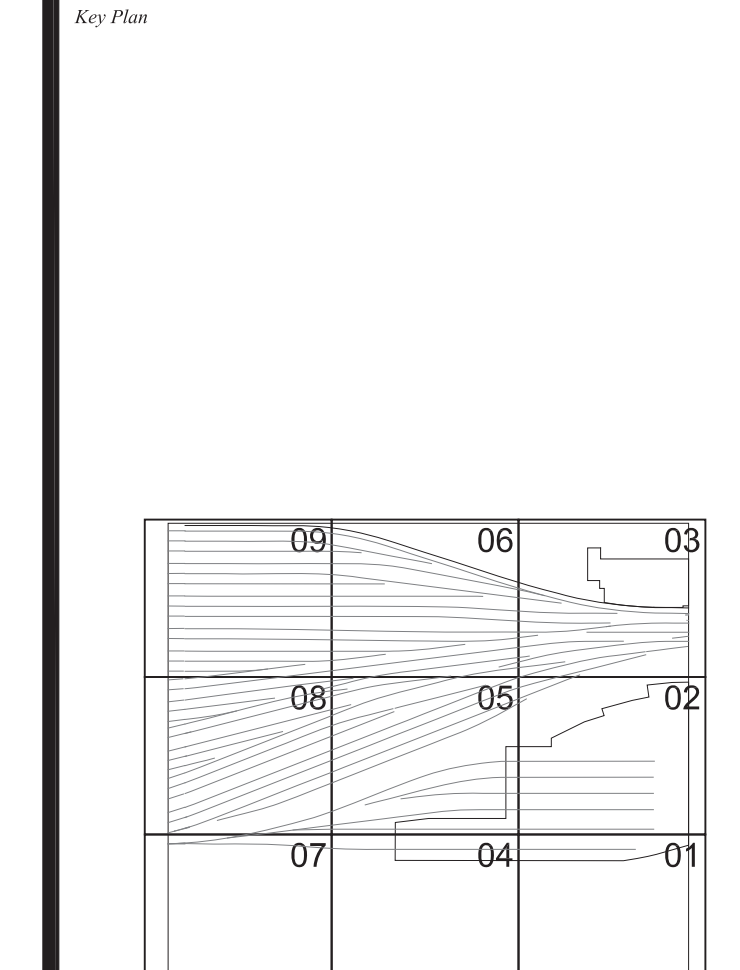
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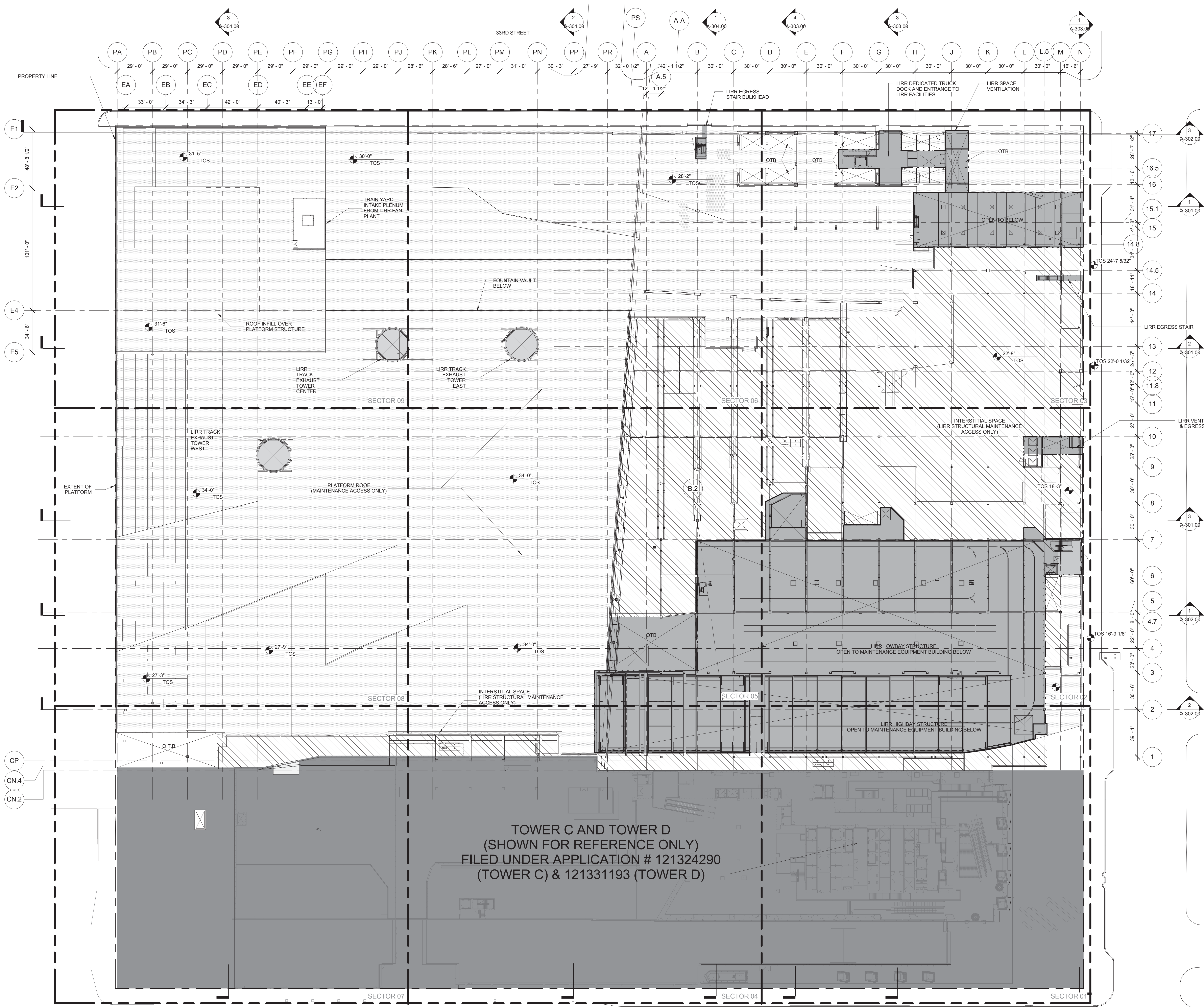
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| 3 | DOB SUBMISSION UPDATE | 02/12/2014 |
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |
| | Drawn | NTS |



Date: 2/15/2013
Project No: 2198
Sheet Number: HYE-PL-Z-001
Drawing Title: ZONING SITE PLAN ZONING NOTES AVG. CURB HEIGHT
Z-001.00

ZONING
SITE PLAN
ZONING NOTES
AVG. CURB HEIGHT

Drawing Number: 8-001 Drawing Number
Z-001.00



GROSS FA ABOVE CELLAR: 99,898
 TOTAL DEDUCTIONS: -
 TOTAL ZONING FLOOR AREA: 99,898

HUDSON YARDS - PLATFORM - 530 WEST 33RD STREET
 PROPOSED NEW BUILDING

| USE | GFA | DEDUCTIONS | ZFA | |
|--------------------------------|---|----------------|----------------|-------------------------------|
| GROUND FLOOR | INTERSTITIAL SPACE/ LIRR RAILYARD MAINTENANCE ACCESS ONLY | 92,474 | 0 | 92,474 |
| CELLAR C | LIRR RAILYARD ACCESS | 7,424 | 0 | 7,424 |
| | MTA/ LIRR TRAINSHED | 280,861 | 280,861 | 0 |
| | MTA/ LIRR ANCILLARY FACILITIES | 29,688 | 29,688 | 0 |
| | INACCESSIBLE SPACE | 19,727 | 19,727 | 0 |
| TOTALS | MTA/ LIRR USE | 515,038 | 415,140 | 99,898 |
| TOTAL PROPOSED BUILDING | | | | 515,038 415,140 99,898 |

HUDSON YARDS - TOWER C - 501 WEST 30TH STREET
 PROPOSED BUILDING - FILED UNDER SEPARATE APPLICATION #121324290

| FLOOR | USE | GFA | DEDUCTIONS | ZFA |
|---|-------------------|------------------|----------------|------------------------------------|
| FLOOR 49M | MECHANICAL | 1,737 | 1,737 | 0 |
| FLOOR 49 | MECHANICAL | 16,495 | 16,495 | 0 |
| FLOOR 48 | MECHANICAL | 19,619 | 19,619 | 0 |
| FLOOR 47 | OFFICE | 19,807 | 1,605 | 18,202 |
| FLOOR 46 | OFFICE | 24,150 | 1,766 | 22,384 |
| FLOOR 45 | OFFICE | 24,460 | 1,766 | 22,694 |
| FLOOR 44 | OFFICE | 24,770 | 1,766 | 23,004 |
| FLOOR 43 | OFFICE | 25,079 | 1,766 | 23,314 |
| FLOOR 42 | OFFICE | 25,389 | 1,766 | 23,623 |
| FLOOR 41 | OFFICE | 25,698 | 1,766 | 23,932 |
| FLOOR 40 | OFFICE | 26,008 | 1,766 | 24,242 |
| FLOOR 39 | OFFICE | 26,317 | 1,766 | 24,551 |
| FLOOR 38 | OFFICE | 26,627 | 1,779 | 24,848 |
| FLOOR 37 | OFFICE | 26,936 | 1,766 | 25,170 |
| FLOOR 36 | OFFICE | 27,245 | 1,770 | 25,475 |
| FLOOR 35 | OFFICE | 27,555 | 1,766 | 25,789 |
| FLOOR 34M | MECHANICAL | 886 | 886 | 0 |
| FLOOR 34 | MECHANICAL | 28,139 | 28,139 | 0 |
| FLOOR 33 | OFFICE | 28,482 | 3,225 | 25,257 |
| FLOOR 32 | OFFICE | 28,465 | 1,860 | 26,605 |
| FLOOR 31 | OFFICE | 35,094 | 2,515 | 32,579 |
| FLOOR 30 | OFFICE | 35,391 | 2,514 | 32,877 |
| FLOOR 29 | OFFICE | 35,109 | 2,514 | 32,595 |
| FLOOR 28 | OFFICE | 35,984 | 3,197 | 32,787 |
| FLOOR 27 | OFFICE | 36,281 | 2,851 | 33,430 |
| FLOOR 26 | OFFICE | 36,577 | 3,318 | 33,259 |
| FLOOR 25 | OFFICE | 36,875 | 2,732 | 34,143 |
| FLOOR 24 | OFFICE | 37,151 | 4,119 | 33,032 |
| FLOOR 23 | OFFICE | 37,424 | 4,167 | 33,257 |
| FLOOR 22 | OFFICE | 37,695 | 3,081 | 34,614 |
| FLOOR 21 | OFFICE | 37,964 | 4,627 | 33,337 |
| FLOOR 20 | OFFICE | 36,101 | 2,783 | 33,318 |
| FLOOR 19 | OFFICE | 36,036 | 2,756 | 33,280 |
| FLOOR 18 | OFFICE | 39,767 | 2,756 | 37,011 |
| FLOOR 17 | OFFICE | 41,140 | 2,756 | 38,384 |
| FLOOR 16 | OFFICE | 39,770 | 2,756 | 37,014 |
| FLOOR 15 | OFFICE | 41,139 | 2,756 | 38,383 |
| FLOOR 14 | OFFICE | 39,762 | 2,756 | 37,006 |
| FLOOR 13 | OFFICE | 41,126 | 2,756 | 38,370 |
| FLOOR 12 | OFFICE | 39,743 | 2,756 | 36,987 |
| FLOOR 11 | OFFICE | 41,101 | 2,756 | 38,345 |
| FLOOR 10 | OFFICE | 39,710 | 2,756 | 36,954 |
| FLOOR 9 | OFFICE | 41,065 | 2,752 | 38,313 |
| FLOOR 8 | OFFICE | 39,672 | 2,756 | 36,916 |
| FLOOR 7 | OFFICE | 41,543 | 2,756 | 38,787 |
| FLOOR 6 | OFFICE | 43,567 | 3,110 | 40,457 |
| FLOOR 5M | MECHANICAL | 8,808 | 8,808 | 0 |
| FLOOR 5 | MECHANICAL | 43,682 | 43,682 | 0 |
| FLOOR 4 | MECHANICAL | 42,134 | 42,134 | 0 |
| FLOOR 3 | MECHANICAL | 14,311 | 14,311 | 0 |
| | OFFICE | 15,025 | 0 | 15,025 |
| FLOOR 2 | OFFICE | 11,258 | 711 | 10,547 |
| FLOOR 2ST | MECHANICAL | 1,145 | 1,145 | 0 |
| FLOOR 1 | OFFICE | 27,766 | 2,060 | 25,706 |
| GRND FL MEZZ | MECHANICAL | 3,526 | 3,526 | 0 |
| GROUND FLOOR | LOADING | 6,336 | 6,336 | 0 |
| | RETAIL | 41,869 | 0 | 41,869 |
| | PARKING | 2,500 | 2,500 | 0 |
| | OFFICE | 38,827 | 1,533 | 37,294 |
| CELLAR C | MECHANICAL | 22,167 | 22,167 | 0 |
| | PARKING | 56,514 | 56,514 | 0 |
| | BIKE PARKING | 2,820 | 2,820 | 0 |
| TOTALS | RETAIL USE | 41,869 | 0 | 41,869 |
| | OFFICE USE | 1,753,469 | 380,374 | 1,373,095 |
| TOTAL TOWER C (UNDER SEPARATE APPLICATION) | | | | 1,795,338 380,374 1,414,964 |

HUDSON YARDS - TOWER D - 553 WEST 30TH STREET
 PROPOSED BUILDING - FILED UNDER SEPARATE APPLICATION #121331193

| FLOOR | USE | GFA | DEDUCTIONS | ZFA |
|---|-------------------|---------------|--------------|----------------------------|
| FLOOR 1 | OFFICE (6B) | 0 | 0 | 0 |
| GRND FL MEZZ | OFFICE (6B) | 0 | 0 | 0 |
| GROUND FLOOR | OFFICE (6B) | 17,816 | 0 | 17,816 |
| CELLAR C | OFFICE (6B) | 2,475 | 2,475 | 0 |
| TOTALS | OFFICE USE | 20,291 | 2,475 | 17,816 |
| TOTAL TOWER D (UNDER SEPARATE APPLICATION) | | | | 20,291 2,475 17,816 |

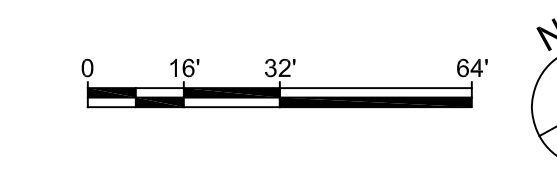
EXISTING BUILDINGS ON ZONING LOT

| | | | | |
|-------------------------------|---------------------------------|------------------|----------------|------------------|
| CELLAR C | EXISTING MTA/ LIRR SUBSTATION | 10,685 | 10,685 | 0 |
| TOTALS | TOTAL EXISTING BUILDINGS | 10,685 | 10,685 | 0 |
| TOTAL WHOLE ZONING LOT | | 2,341,352 | 808,674 | 1,532,678 |

APPROVED
 Date: 05/14/2014
 NYC Development Hub

2 GROUND FLOOR PLAN - ZFA DEDUCTIONS
 1/32" = 1'-0"

1 FLOOR AREA SCHEDULE
 NTS



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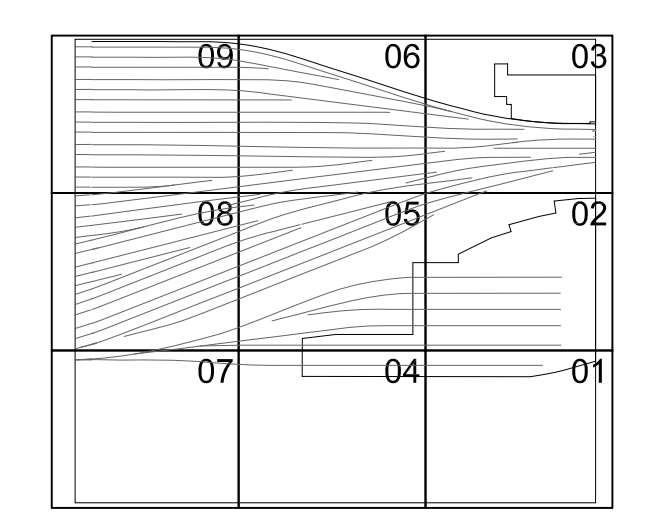
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| 3 | DOR SUBMISSION UPDATE | 02/12/2014 |
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |



Date: 2/15/2013
 Project No: 2198
 Drawing No: HYE-PL-Z-010

REGISTERED ARCHITECT
 STATE OF NEW YORK

ZONING FLOOR AREA CALCULATIONS

Sheet Number: 8-SCV Drawing Number
Z-010.00

-NOTE: WILL COMPLY WITH ALL OTHER APPLICABLE REQUIREMENTS OF ZR-33-70 INCLUSIVE

TOTAL ZONING LOT AREA:
570,000 SF

KEY

- ZONING LOT BOUNDARY AND PROPERTY LINE
- [Hatched Box] PUBLIC ACCESS AREAS - OPEN TO THE SKY - PER ZR 93-71 (TOTAL = 246,943 SF)
- [Dotted Box] PUBLIC ACCESS AREAS - COVERED - PER ZR 93-71 (TOTAL = 66,557 SF)

-BUILDING LOCATION AND DIMENSIONS SUBJECT TO CHANGE
-INFORMATION OUTSIDE ZONING LOT BOUNDARY SHOWN FOR ILLUSTRATIVE PURPOSES ONLY

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

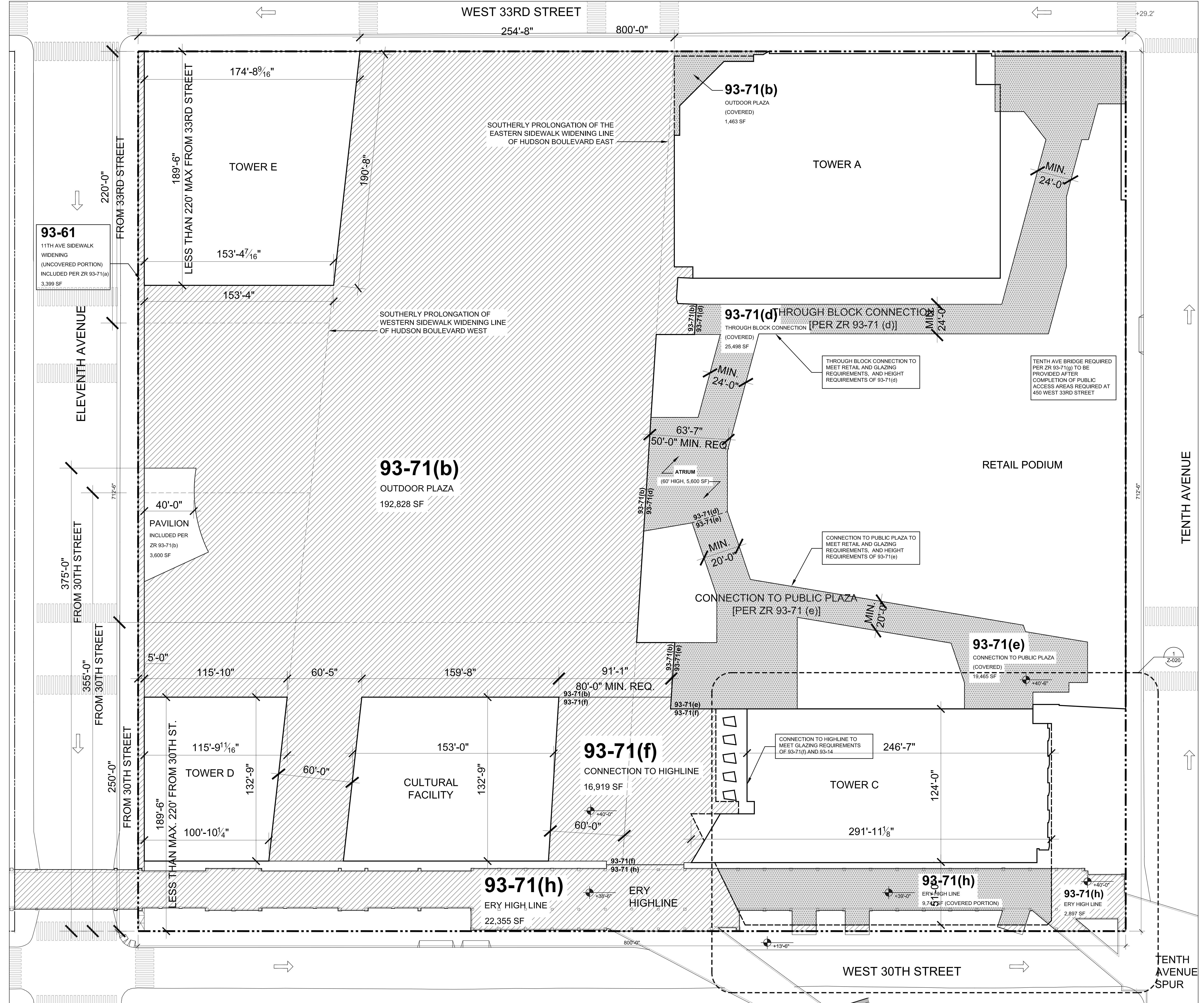
Architect
Kohn Pedersen Fox Associates PC
Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thomson Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 917.661.7801

Civil, Mechanical, Electrical, Plumbing
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

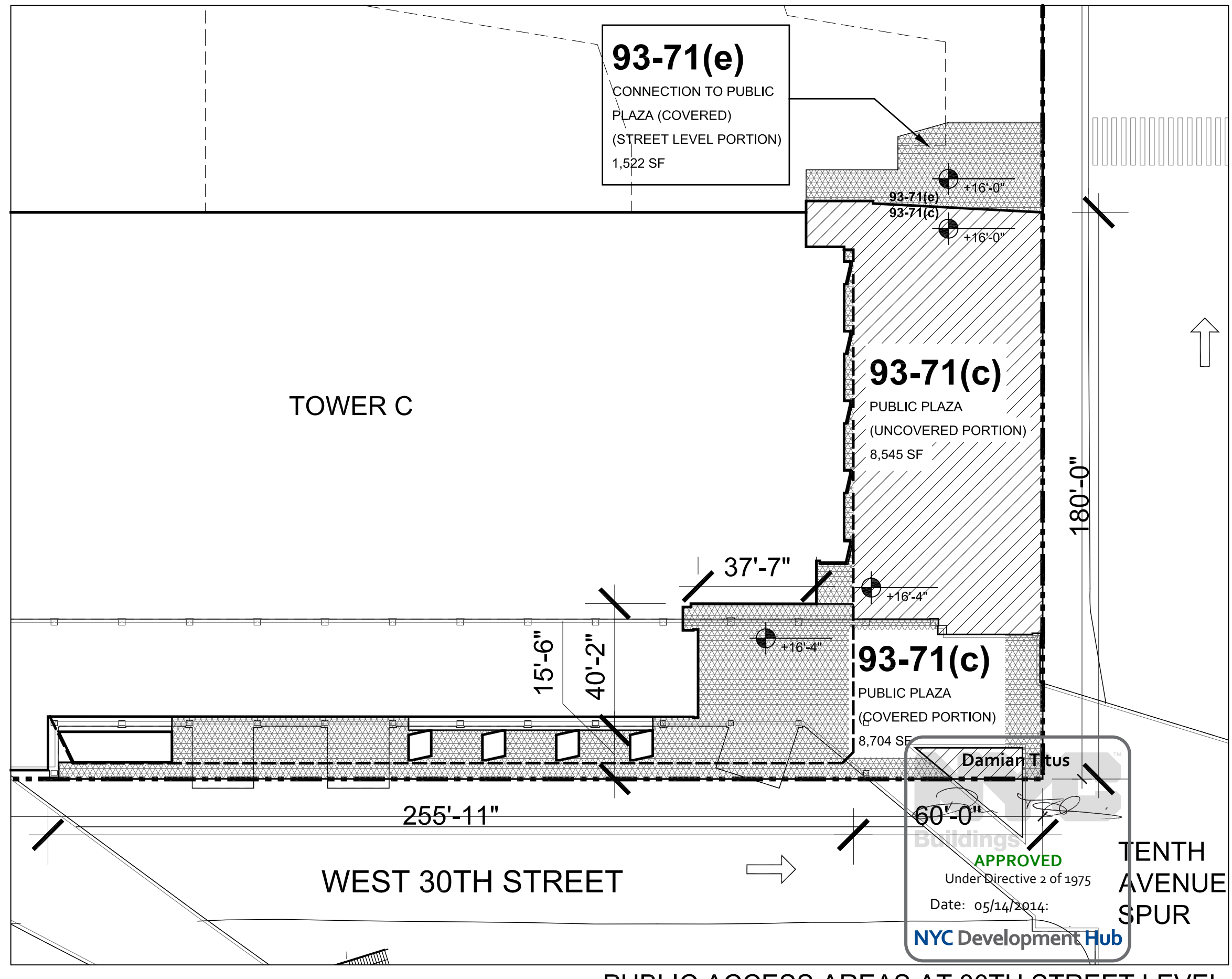
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
ARCUM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



| Zoning Lot Area | Zoning lot (sf) | 570,000 |
|--|-----------------|----------------|
| PUBLIC ACCESS AREAS (sf) (Per ZR 93-71) | | |
| 93-71(b) Outdoor Plaza | 192,828 | 192,828 |
| 93-61 11th Ave. sidewalk widening | 3,399 | 3,399 |
| 93-71(f) Connection to High Line | 16,919 | 16,919 |
| 93-71(c) Public Plaza (Uncovered Portion) | 8,545 | 8,545 |
| 93-71(h) Highline Area (uncovered portion) | 25,252 | 25,252 |
| 93-71(b) Outdoor Plaza (covered portion) | 1,463 | 1,463 |
| 93-71(c) Public Plaza (covered portion) | 8,704 | 8,704 |
| 93-61 11th Ave. sidewalk widening (covered portion) | 163 | 163 |
| 93-71(d) Through Block Connection + atrium (covered) | 25,498 | 25,498 |
| 93-71(e) Connection to Public Plaza covered | 19,465 | 19,465 |
| 93-71(e) Connection to Public Plaza covered (street level portion) | 1,522 | 1,522 |
| 93-71(h) Highline Area - (covered portion) | 9,742 | 9,742 |
| SUB TOTAL | 246,943 | 313,500 |
| % of Lot | 43.32% | 55.00% |
| MIN. REQUIRED | 228,000 | 313,500 |
| % of Lot | 40% | 55.00% |

2 PUBLIC ACCESS AREA CALCULATIONS

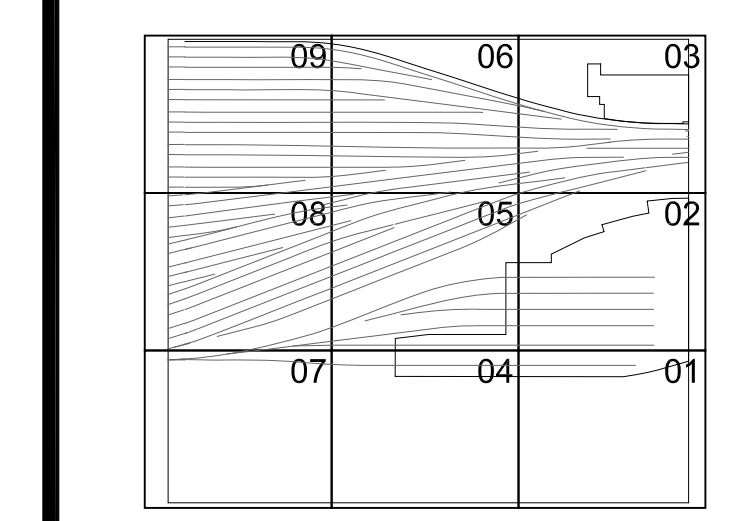


3 PUBLIC ACCESS AREAS AT PLAZA LEVEL

1 PUBLIC ACCESS AREAS AT 30TH STREET LEVEL

| | | |
|---|-------------------|------------|
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |
| | DATE | DATE |

Key Plan



Date: 2/15/2013
Drawing No: 2198
Project No: HY-PL-Z-020
Drawing Title: ZONING FUTURE REQUIRED PUBLIC ACCESS AREAS

APPROVED Under Article 23 of 1975
Date: 05/14/2014
NYC Development Hub

Drawing Number: 8-SC4V Drawing Number
Z-020.00


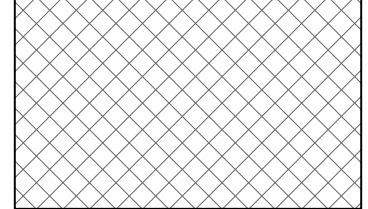
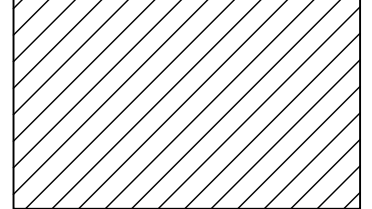

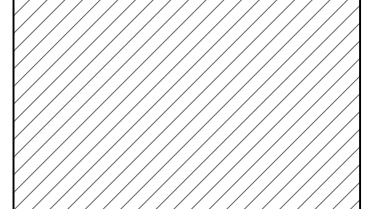
SHEET 003 OF 009

-NOTE: WILL COMPLY WITH ALL OTHER APPLICABLE REQUIREMENTS OF SECTION 93-70 INCLUSIVE

HUDSON YARDS PLATFORM
Address
530 WEST 33RD STREET
NEW YORK, NY

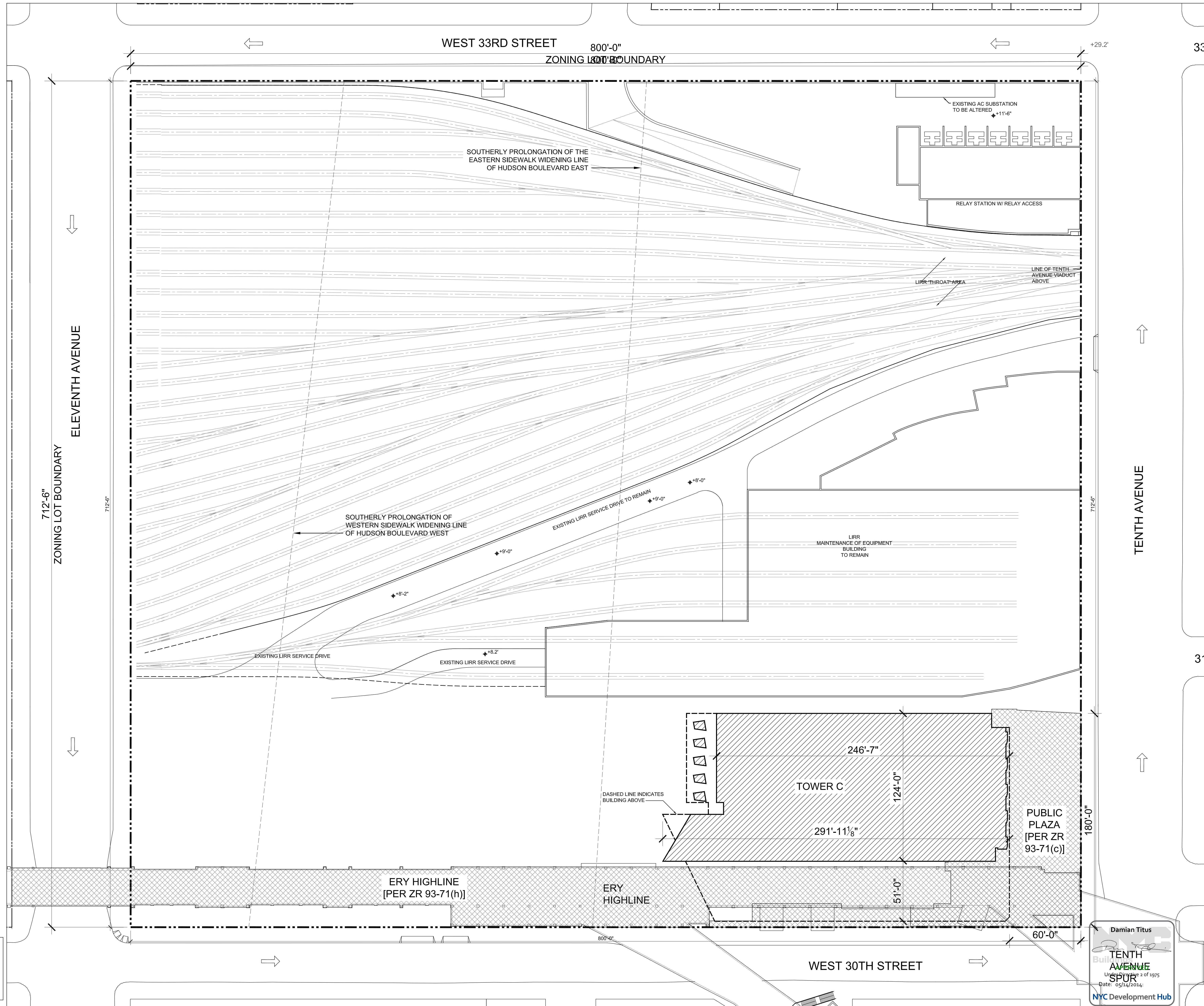
TOTAL ZONING LOT AREA:
570,000 SF

KEY

-  ZONING LOT BOUNDARY AND PROPERTY LINE
-  PUBLIC ACCESS AREAS NEW THIS PHASE
-  NEW BUILDING THIS PHASE
-  PUBLIC ACCESS AREAS EXISTING PER PREVIOUS PHASE
-  EXISTING BUILDING PER PREVIOUS PHASE

| Phase | Tower | Anticipated Cumulative Floor Area Provided* | Public Access Area New This Phase | Cumulative Public Access Area Provided | Percentage of Total Access Area provided |
|---------|---------|---|-----------------------------------|--|--|
| Phase 1 | Tower C | 1,414,964 | 52,243 | 52,243 | 17% |

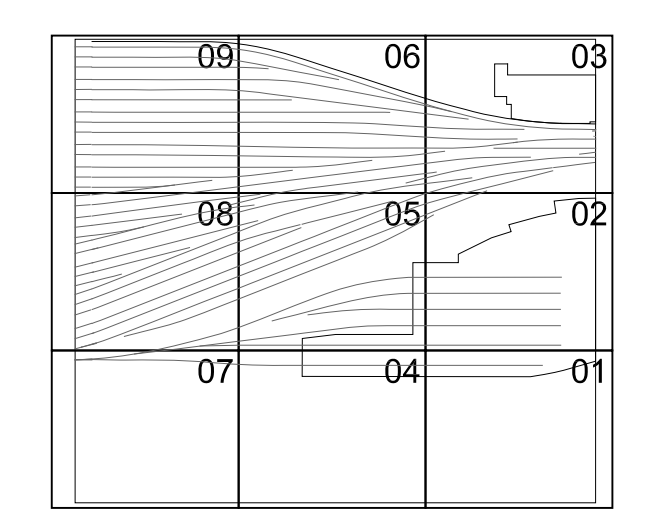
*FLOOR AREA PER BUILDING SUBJECT TO CHANGE (2) PUBLIC ACCESS AREAS BY PHASE



*CONSTRUCTION FENCE WILL BE IN PLACE FOR PROTECTION AT LIMITS OF BUILDING AND PUBLIC ACCESS AREAS TO BE PROVIDED IN THIS PHASE

- Client*
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048
- Oxford Properties Group*
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
- Construction Manager*
Tishman Construction Corporation
100 Park Avenue, 5th Floor
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Tel: 212.708.3600
- Architect*
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New York, NY 10036
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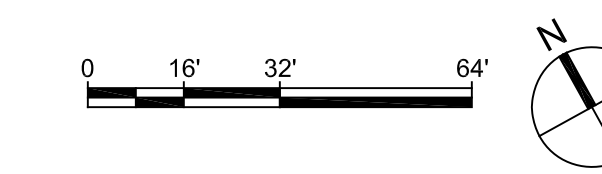
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| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |



Date: 2/15/2013
Project No: 2198
Sheet Number: HYE-PL-Z-022
Drawing Title: ZONING PUBLIC ACCESS AREAS PHASING PHASE 01

Drawing Number: 8-SC4V Drawing Number
Z-022.00
SHEET 004 OF 009

1 PHASE 1 - TOWER C
SCALE: 1/32"=1'-0"


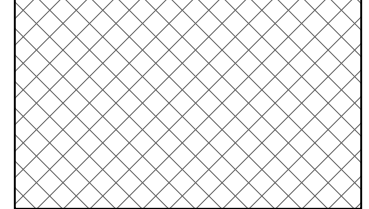
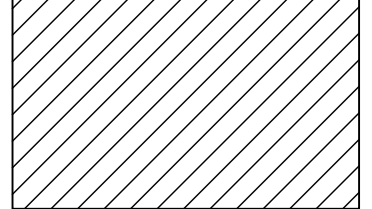

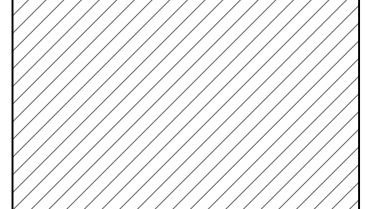


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ARCUM
605 Third Avenue
New York, NY 10158
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-NOTE: WILL COMPLY WITH ALL OTHER REQUIREMENTS OF SECTION 93-70 INCLUSIVE

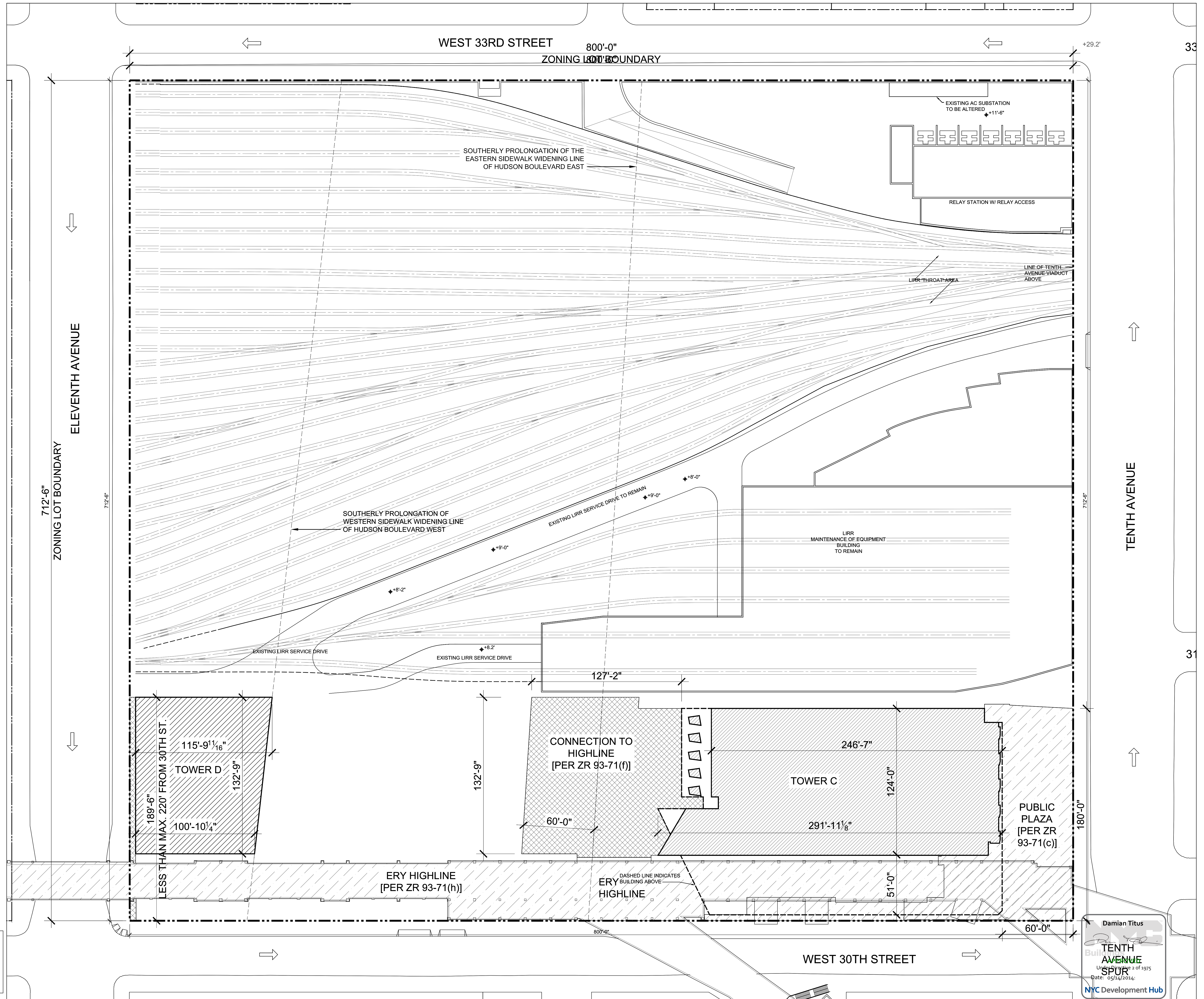
TOTAL ZONING LOT AREA:
570,000 SF

KEY

-  ZONING LOT BOUNDARY AND PROPERTY LINE
-  PUBLIC ACCESS AREAS NEW THIS PHASE
-  NEW BUILDING THIS PHASE
-  PUBLIC ACCESS AREAS EXISTING PER PREVIOUS PHASE
-  EXISTING BUILDING PER PREVIOUS PHASE

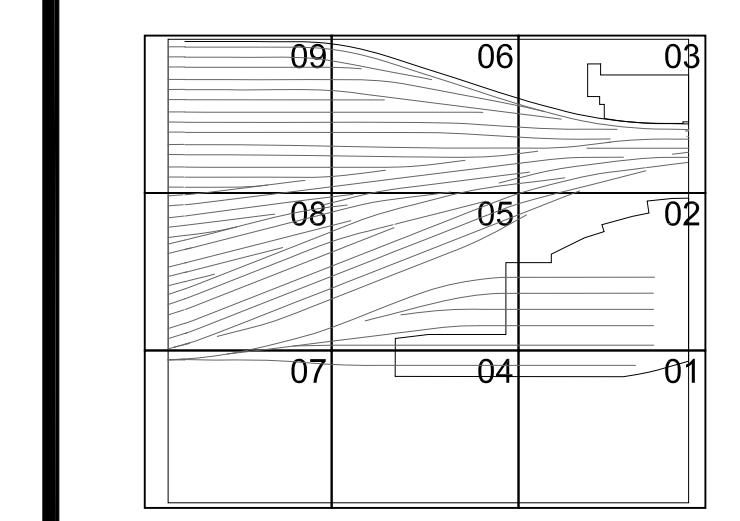
| | | Anticipated Cumulative Floor Area Provided* | Public Access Area New This Phase | Cumulative Public Access Area Provided | Percentage of Total Access Area provided |
|---------|---------|---|-----------------------------------|--|--|
| Phase 1 | Tower C | 1,414,964 | 52,243 | 52,243 | 17% |
| Phase 2 | Tower D | 2,169,964 | 17,877 | 70,120 | 22% |

*FLOOR AREA PER BUILDING SUBJECT TO CHANGE (2) PUBLIC ACCESS AREAS BY PHASE



*CONSTRUCTION FENCE WILL BE IN PLACE FOR PROTECTION AT LIMITS OF BUILDING AND PUBLIC ACCESS AREAS TO BE PROVIDED IN THIS PHASE

| | | |
|---|-------------------|------------|
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |



Date: 2/15/2013
Project No: 2198
Sheet Number: HYE-PL-Z-025
Drawing Title: ZONING PUBLIC ACCESS AREAS PHASING PHASE 02

Drawing Number: 8-SC4V Drawing Number
Z-025.00

-NOTE: WILL COMPLY WITH ALL OTHER APPLICABLE REQUIREMENTS OF SECTION 93-70 INCLUSIVE

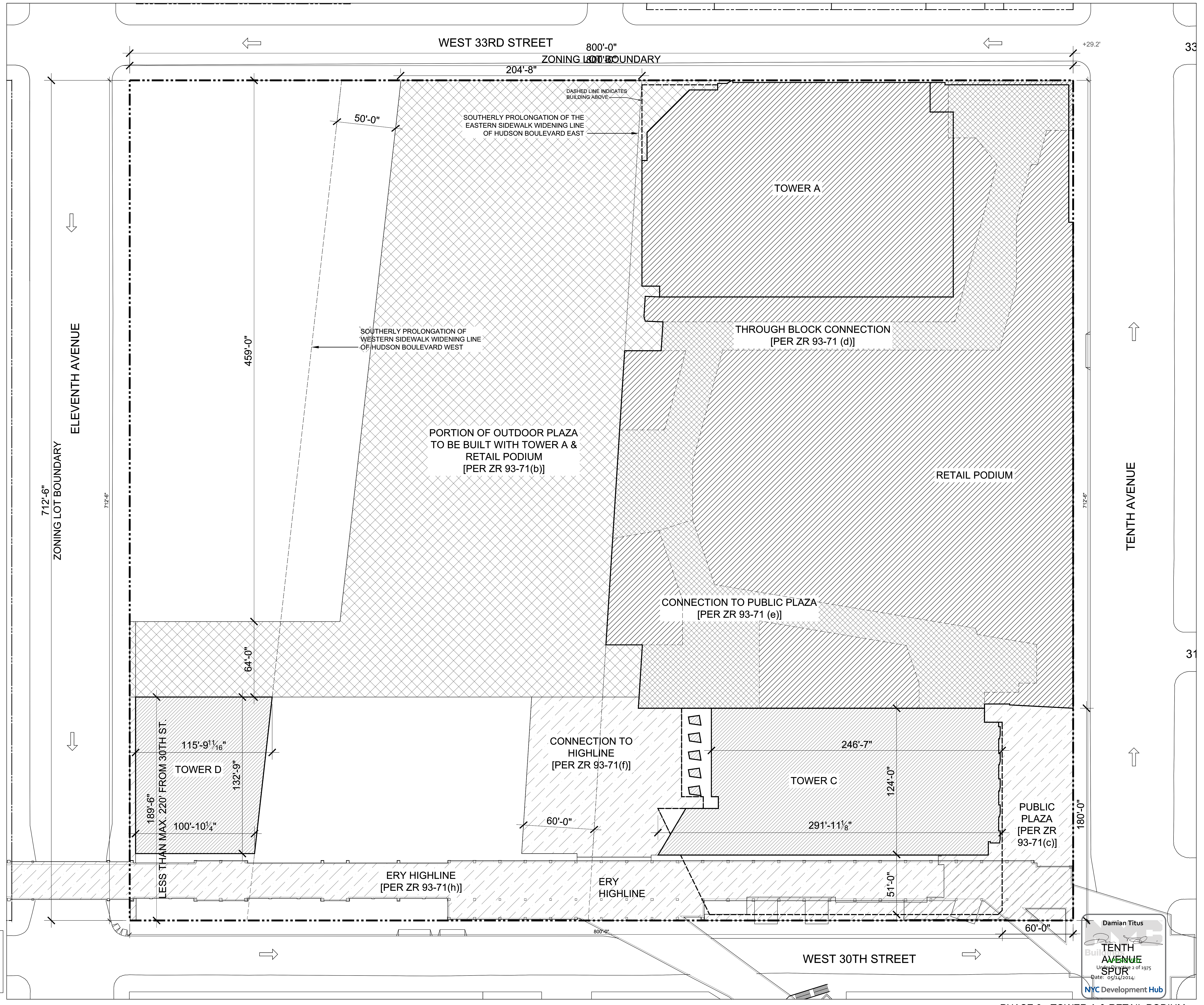
HUDSON YARDS PLATFORM
 Address
 530 WEST 33RD STREET
 NEW YORK, NY

| | | Anticipated Cumulative Floor Area Provided* | Public Access Area New This Phase | Cumulative Public Access Area Provided | Percentage of Total Access Area provided |
|---------|-------------------------|---|-----------------------------------|--|--|
| Phase 1 | Tower C | 1,414,964 | 52,243 | 52,243 | 17% |
| Phase 2 | Tower D | 2,169,964 | 17,877 | 70,120 | 22% |
| Phase 3 | Tower A & Retail Podium | 5,070,000 | 176,332 | 246,452 | 79% |

TOTAL ZONING LOT AREA:
570,000 SF

- KEY**
- ZONING LOT BOUNDARY AND PROPERTY LINE
 - [Hatched Box] PUBLIC ACCESS AREAS NEW THIS PHASE
 - [Hatched Box] NEW BUILDING THIS PHASE
 - [Hatched Box] PUBLIC ACCESS AREAS EXISTING PER PREVIOUS PHASE
 - [Hatched Box] EXISTING BUILDING PER PREVIOUS PHASE

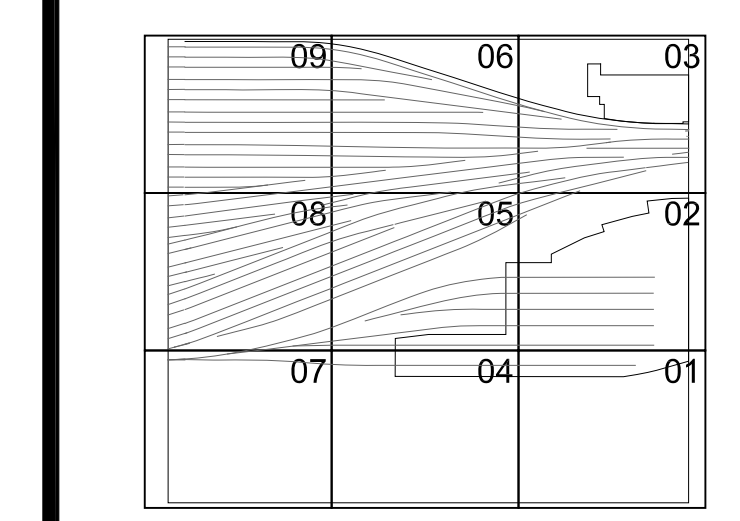
*FLOOR AREA PER BUILDING SUBJECT TO CHANGE (2) PUBLIC ACCESS AREAS BY PHASE



*CONSTRUCTION FENCE WILL BE IN PLACE FOR PROTECTION AT LIMITS OF BUILDING AND PUBLIC ACCESS AREAS TO BE PROVIDED IN THIS PHASE

- Client*
 Related Companies
 60 Columbus Circle
 New York, NY 10023
 Tel: 212.801.1000 Fax: 212.801.1048
- Oxford Properties Group*
 320 Park Avenue, 17th Floor
 New York, NY 10022
 Tel: 212.986.7514 Fax: 212.986.7510
- Construction Manager*
 Tishman Construction Corporation
 100 Park Avenue, 5th Floor
 New York, NY 10017
 Tel: 212.708.3600
- Architect*
 Kohn Pedersen Fox Associates PC
 Architects & Planning Consultants
 11 West 42nd Street
 New York, NY 10036
 Tel: 212.977.6500 Fax: 212.956.2526
- Structural Engineer*
 Thornton Tomasetti, Inc.
 51 Madison Avenue
 New York, NY 10010
 Tel: 917.661.7800 Fax: 917.661.7801
- Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security*
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
 Tel: 212.266.8300 Fax: 212.571.6825
- LIRR Ventilation*
 Ove Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 Tel: 212.896.3000
- LIRR Substation*
 AECOM
 645 Third Avenue
 New York, NY 10158
 Tel: 212.973.9200 Fax: 212.682.6172

| | | |
|---|-------------------|------------|
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |
| 0 | DATE | DATE |



Date: 2/15/2013
 Project No: 2198
 Sheet No: 03
 Drawing Title: HYE-PL-Z-026

ZONING PUBLIC ACCESS AREAS PHASING PHASE 03

Drawing Number: B-SC4V Drawing Number
Z-026.00
 SHEET 006 OF 009

File name: Q:\Projects\2198_HudsonYards\Drawings\CAD\Sheet\PL_Zoning\HYE-PL-Z-026.dwg Plotted by: Ritzwerk-Green, Robin Plot Time: 10/26/2013 2:58 PM

- Client*
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048
- Oxford Properties Group*
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
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100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600
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Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526
- Structural Engineer*
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51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 917.661.7801
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77 Water Street
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ARCUM
645 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

-NOTE: WILL COMPLY WITH ALL OTHER APPLICABLE REQUIREMENTS OF SECTION 93-70 INCLUSIVE

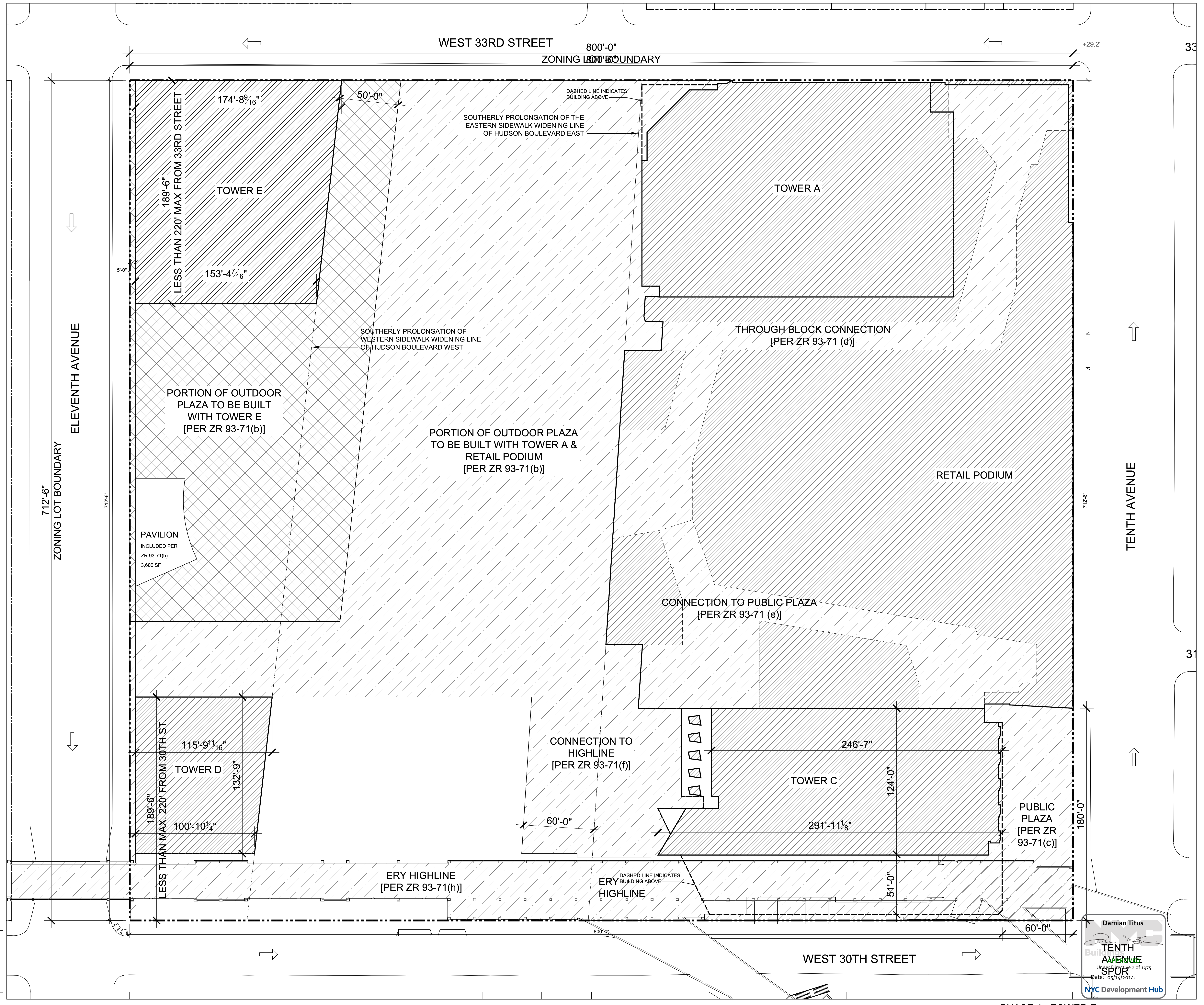
TOTAL ZONING LOT AREA:
570,000 SF

KEY

- ZONING LOT BOUNDARY AND PROPERTY LINE
- PUBLIC ACCESS AREAS NEW THIS PHASE
- NEW BUILDING THIS PHASE
- PUBLIC ACCESS AREAS EXISTING PER PREVIOUS PHASE
- EXISTING BUILDING PER PREVIOUS PHASE

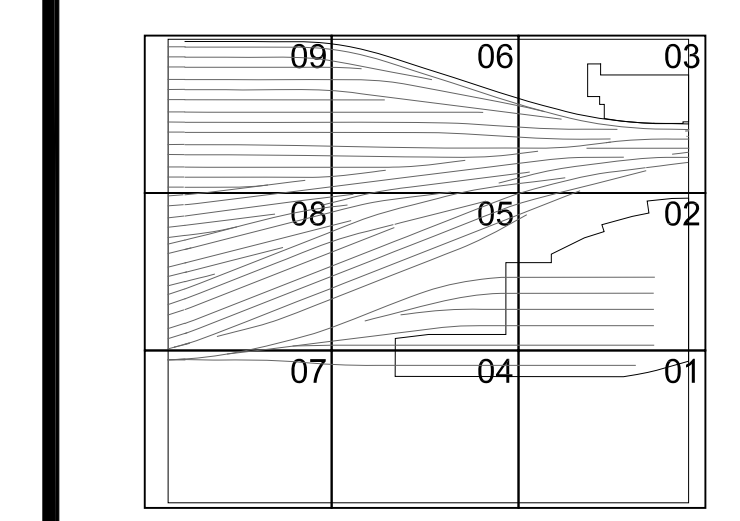
| | | Anticipated Cumulative Floor Area Provided* | Public Access Area New This Phase | Cumulative Public Access Area Provided | Percentage of Total Access Area provided |
|---------|-------------------------|---|-----------------------------------|--|--|
| Phase 1 | Tower C | 1,414,964 | 52,243 | 52,243 | 17% |
| Phase 2 | Tower D | 2,169,964 | 17,877 | 70,120 | 22% |
| Phase 3 | Tower A & Retail Podium | 5,070,000 | 176,332 | 246,452 | 79% |
| Phase 4 | Tower E | 6,070,000 | 59,033 | 305,485 | 97% |

*FLOOR AREA PER BUILDING SUBJECT TO CHANGE (2) PUBLIC ACCESS AREAS BY PHASE



*CONSTRUCTION FENCE WILL BE IN PLACE FOR PROTECTION AT LIMITS OF BUILDING AND PUBLIC ACCESS AREAS TO BE PROVIDED IN THIS PHASE

| | | |
|---|-------------------|------------|
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |



Date: 2/15/2013
Project No: 2198
Sheet Number: HYE-PL-Z-027

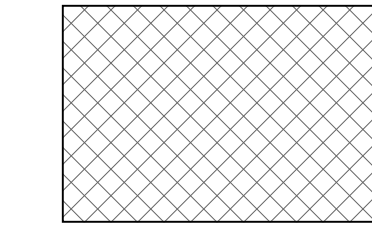
ZONING PUBLIC ACCESS AREAS PHASING PHASE 04

Drawing Number: 8-SC4V Drawing Number
Z-027.00

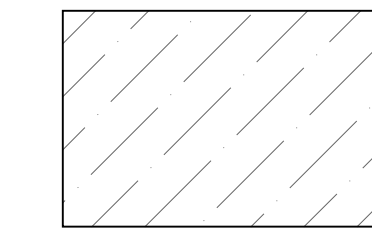
| | | Anticipated Cumulative Floor Area Provided* | Public Access Area New This Phase | Cumulative Public Access Area Provided | Percentage of Total Access Area provided |
|---------|-------------------------|---|-----------------------------------|--|--|
| Phase 1 | Tower C | 1,414,964 | 52,243 | 52,243 | 17% |
| Phase 2 | Tower D | 2,169,964 | 17,877 | 70,120 | 22% |
| Phase 3 | Tower A & Retail Podium | 5,070,000 | 176,332 | 246,452 | 79% |
| Phase 4 | Tower E | 6,070,000 | 59,033 | 305,485 | 97% |
| Phase 5 | Cultural Facility | 6,170,000 | 8,015 | 313,500 | 100% |

TOTAL ZONING LOT AREA:
570,000 SF

KEY



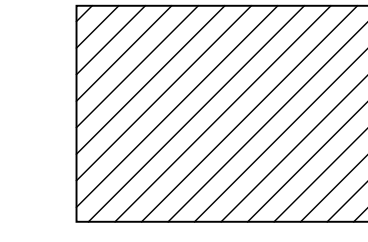
PUBLIC ACCESS AREAS NEW THIS PHASE



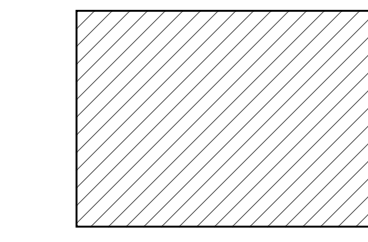
PUBLIC ACCESS AREAS EXISTING PER PREVIOUS PHASE



ZONING LOT BOUNDARY AND PROPERTY LINE



NEW BUILDING THIS PHASE



EXISTING BUILDING PER PREVIOUS PHASE

-NOTE: WILL COMPLY WITH ALL OTHER APPLICABLE REQUIREMENTS OF SECTION 93-70 INCLUSIVE

HUDSON YARDS PLATFORM

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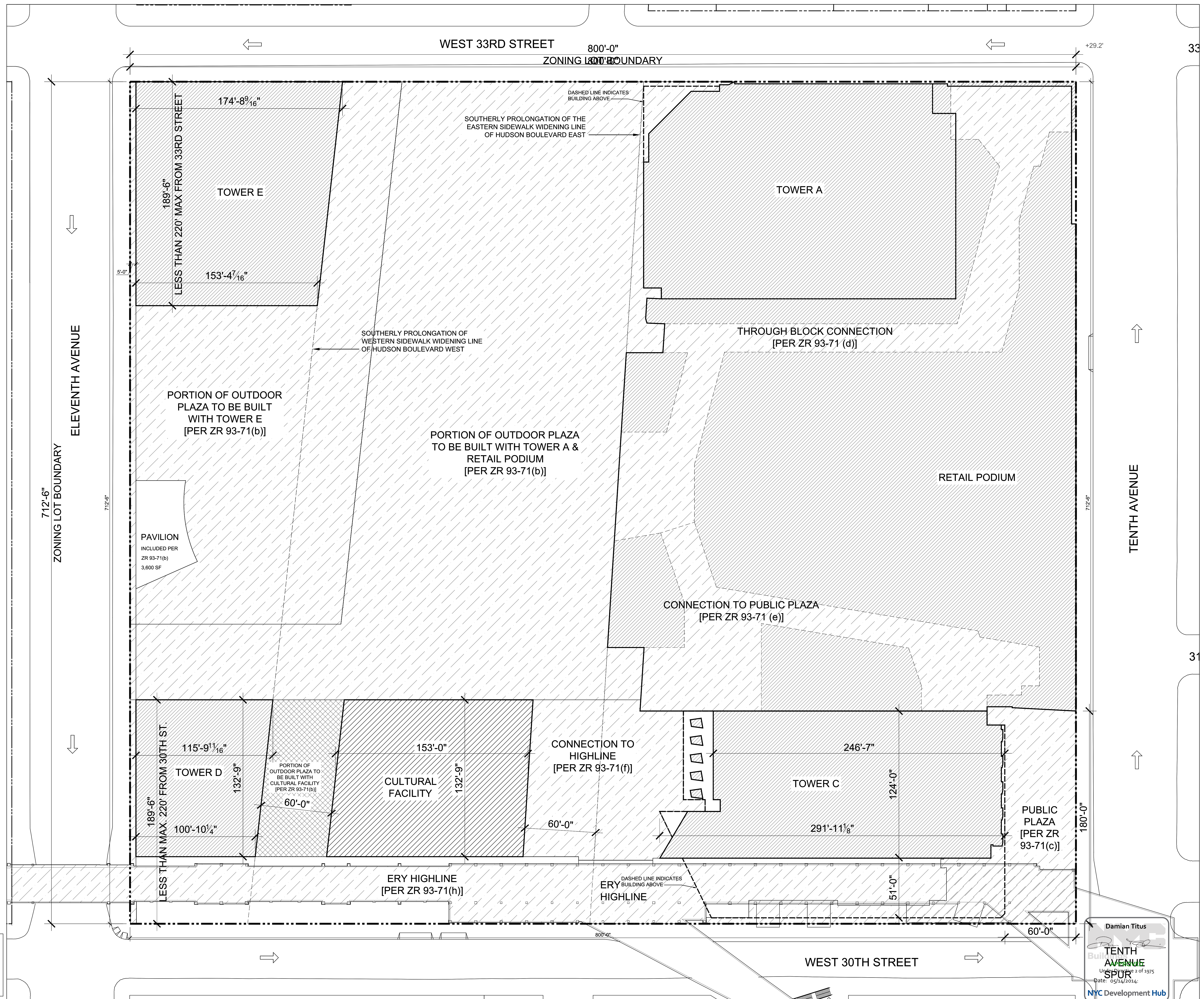
Structural Engineer
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Civil, Mechanical, Electrical, Plumbing
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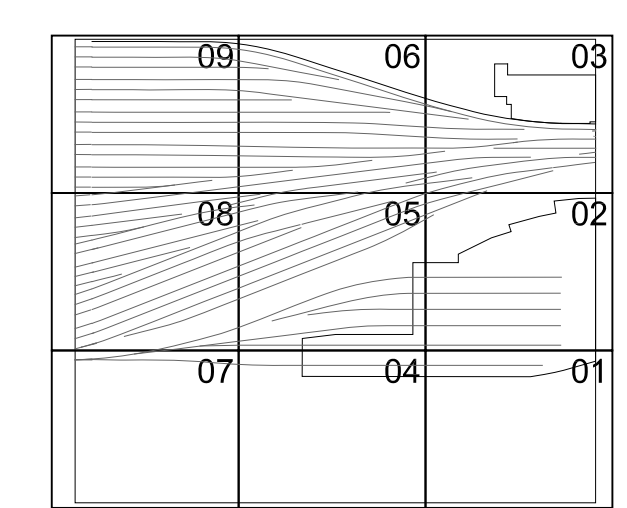
*FLOOR AREA PER BUILDING SUBJECT TO CHANGE (2) PUBLIC ACCESS AREAS BY PHASE



*CONSTRUCTION FENCE WILL BE IN PLACE FOR PROTECTION AT LIMITS OF BUILDING AND PUBLIC ACCESS AREAS TO BE PROVIDED IN THIS PHASE

| | | |
|---|-------------------|------------|
| 2 | D.O.B SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |
| | DATE | DATE |

Key Plan



Date: 2/15/2013
Project No: 2198
Sheet No: 05 of 05
Drawing Title: HYE-PL-Z-028

ZONING PUBLIC ACCESS AREAS PHASING PHASE 05

Z-028.00

SHEET 008 OF 009

HUDSON YARDS - PLATFORM

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 530 WEST 33RD STREET
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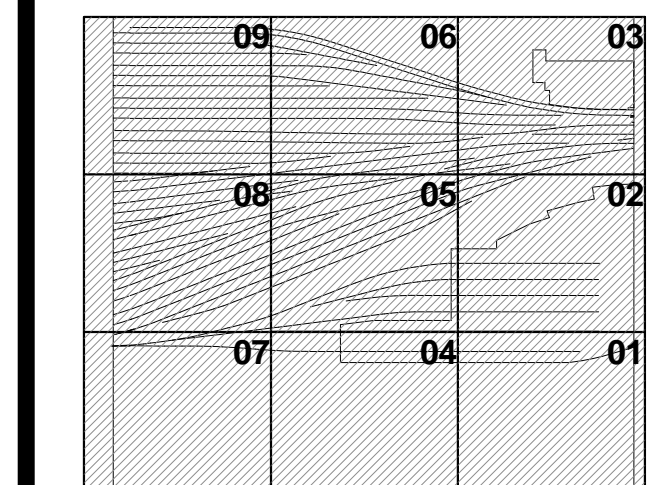
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 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9300 FAX: 212.682.6172

| | | |
|-----|---------------------------|------------|
| 7. | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8. | Issue to FDNY | 12/12/2013 |
| 9. | L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 10. | MOE PLATFORM SUBMISSION | |
| 11. | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 12. | NYC DOB Filing | 6/17/2013 |
| 13. | L.I.R.R. - 50% SUBMISSION | 5/20/2013 |
| 14. | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 15. | Description | Date |

Rev. Plan



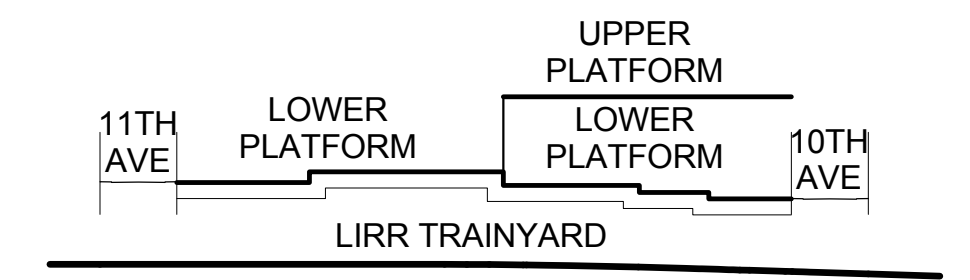
Date: 02/15/13
 Project No: 2188
 Drawn By: [Signature]
 Sheet Number: [Signature]

HYE-PL-EG-102.00

LIFE SAFETY TRACK LEVEL OVERALL PLAN

Drawing Title
EG-102.00

- GENERAL NOTES**
- HATCHED AREA [Symbol] DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER A & RETAIL PODIUM SERVICE P.O.E.s - FOR NYC DOB REVIEW
 - HATCHED AREA [Symbol] DENOTES MOE/AC SUBSTATION/CONTROL TOWER LAYOUT SHOWN ON EG-810
 - SYMBOL [Symbol] DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE/NON-LIRR SPACES
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

5. NOTE
 FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL

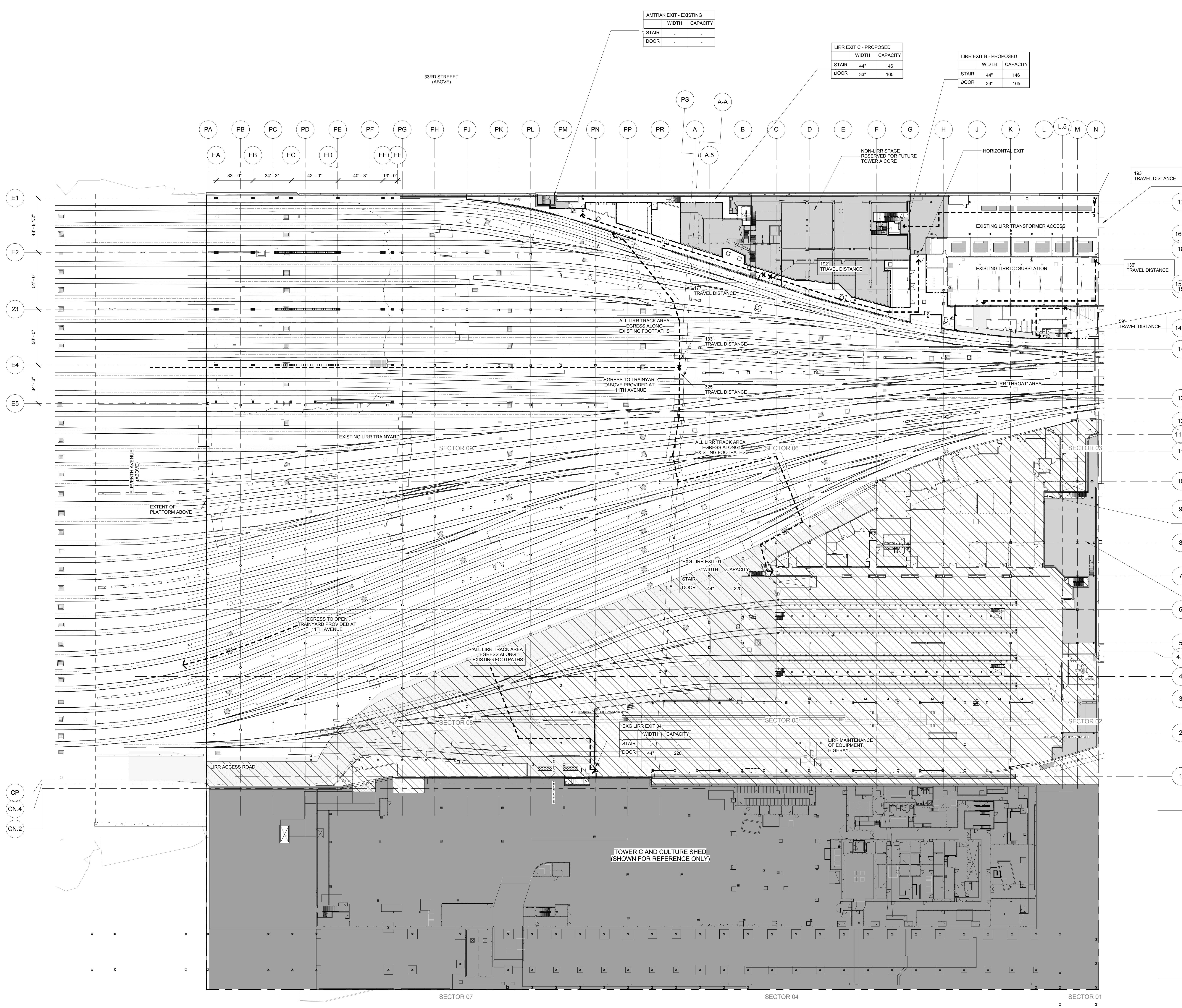
SYMBOL KEY

| | |
|----------|-------------------|
| [Symbol] | 1-HOUR RATED WALL |
| [Symbol] | 2-HOUR RATED WALL |
| [Symbol] | 3-HOUR RATED WALL |
| [Symbol] | TRAVEL DISTANCE |

| OCCUPANCY | OCCUPANCY LOAD FACTOR (F1*PER) |
|-------------------------|--------------------------------|
| AREA (FT ²) | OCCUPANCY LOAD (PERSONS) |

LIRR STAIR NO. 2 - EXISTING

| WIDTH | CAPACITY |
|-----------|----------|
| STAIR 39' | 130 |
| DOOR 33' | 220 |



AMTRAK EXIT - EXISTING

| WIDTH | CAPACITY |
|---------|----------|
| STAIR - | - |
| DOOR - | - |

LIRR EXIT C - PROPOSED

| WIDTH | CAPACITY |
|-----------|----------|
| STAIR 44' | 146 |
| DOOR 33' | 165 |

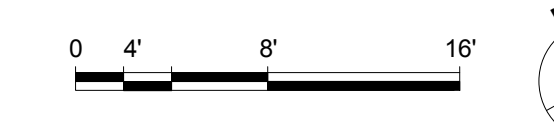
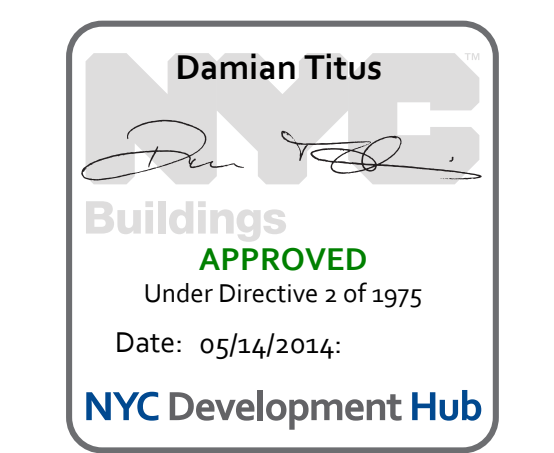
LIRR EXIT B - PROPOSED

| WIDTH | CAPACITY |
|-----------|----------|
| STAIR 44' | 146 |
| DOOR 33' | 165 |

PROPOSED FDNY ACCESS TO LIRR TRACK LEVEL

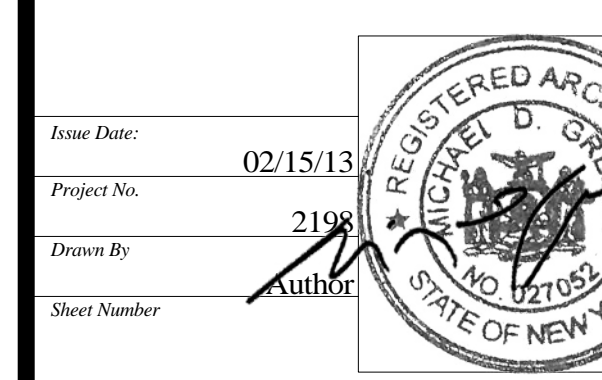
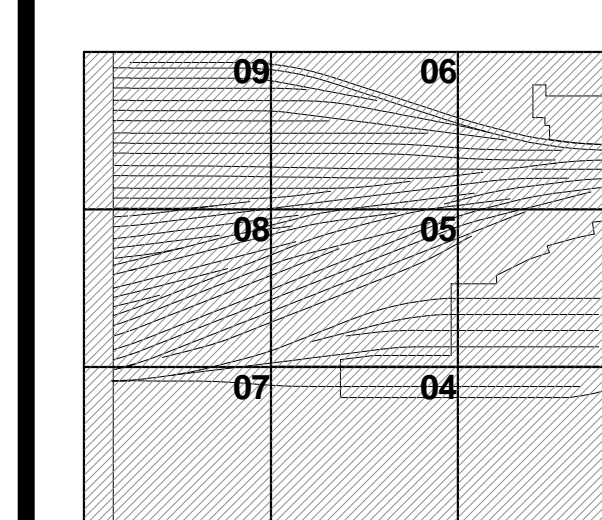
| WIDTH | CAPACITY |
|-----------|----------|
| STAIR 39' | 130 |
| DOOR 33' | 220 |

1 TRACK LEVEL OVERALL PLAN
 SCALE: 1/32" = 1'-0"



| | | |
|-----|---------------------------|------------|
| 7. | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8. | Issue to FDNY | 12/12/2013 |
| 9. | L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 10. | MOE PLATFORM SUBMISSION | |
| 11. | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 12. | NYC DOB Filing | 6/17/2013 |
| 13. | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 14. | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 15. | Description | Date |

Rev. Plot



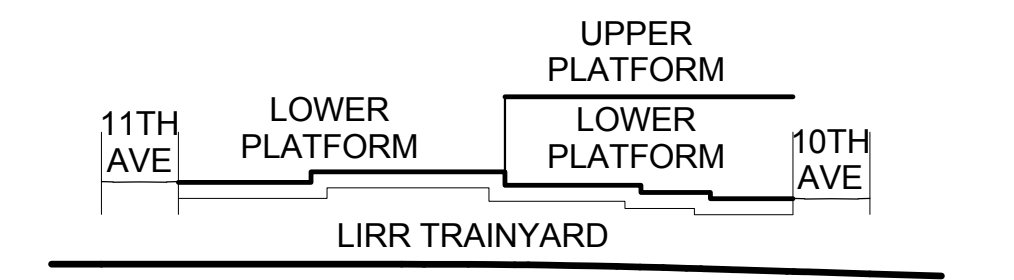
HYE-PL-EG-103.00

LIFE SAFETY LOWER PLATFORM LEVEL OVERALL PLAN

Drawing Number
EG-103.00

GENERAL NOTES

- HATCHED AREA [Symbol] DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER A & RETAIL PODIUM SERVICE P.O.E.s - FOR NYC DOB REVIEW
- HATCHED AREA [Symbol] DENOTES MOE/AC SUBSTATION CONTROL TOWER LAYOUT SHOWN ON EG-810
- SYMBOL [Symbol] DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE NON-LIRR SPACES
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:



SEE A-020 FOR DIAGMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

- NOTE
FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL

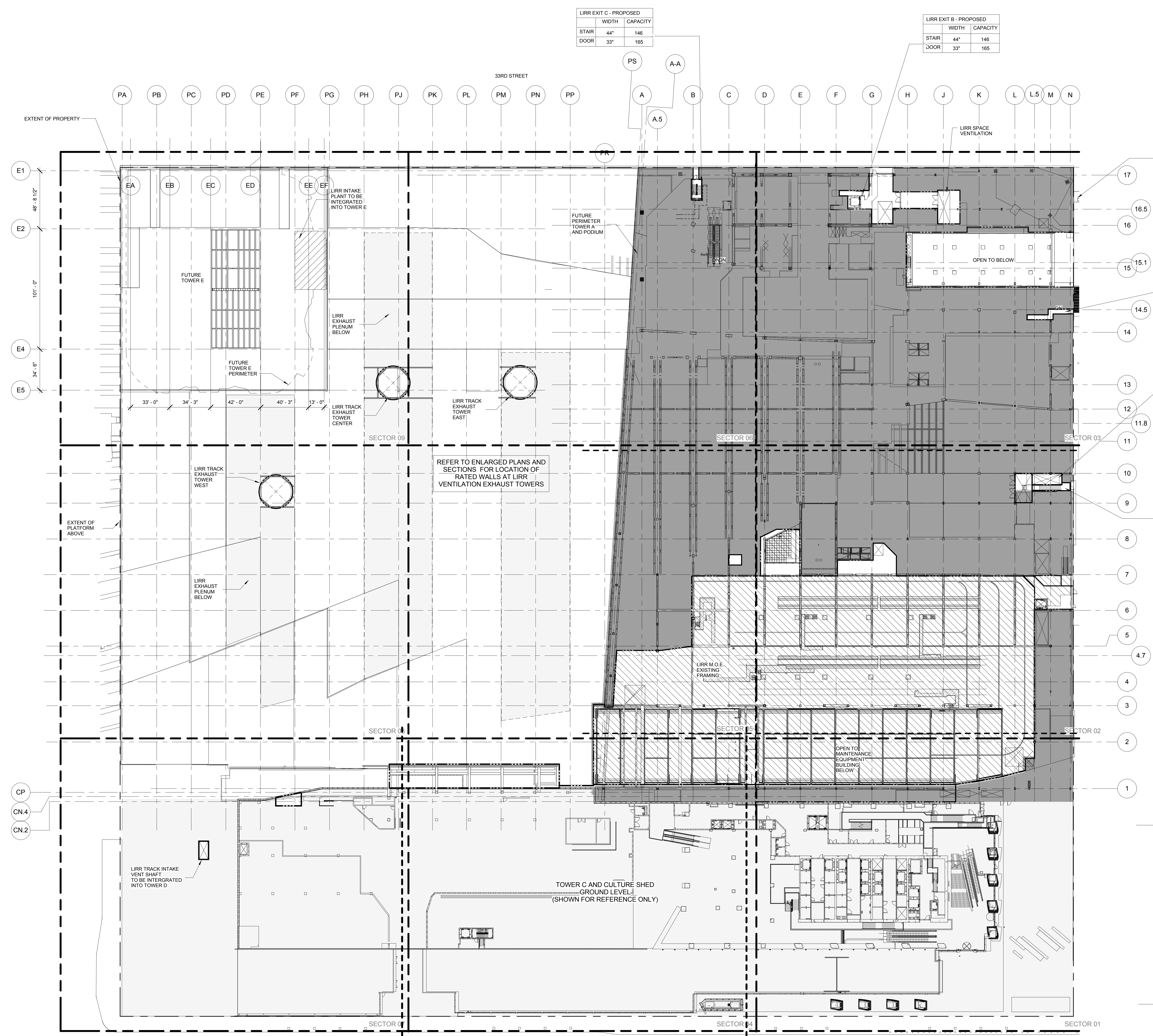
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|------------|---|
| [Symbol] | 1-HOUR RATED WALL |
| [Symbol] | 2-HOUR RATED WALL |
| [Symbol] | 3-HOUR RATED WALL |
| [Symbol] | TRAVEL DISTANCE |
| OCCUPANCY | |
| [Symbol] | OCCUPANCY LOAD FACTOR (F ¹ /PER) |
| [Symbol] | OCCUPANCY LOAD (PERSONS) |

| LIRR STAIR NO. 2 - EXISTING | |
|-----------------------------|---------|
| STAIR | 39" 130 |
| DOOR | 33" 220 |

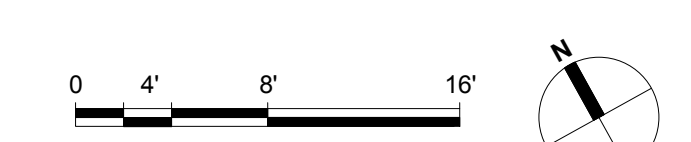
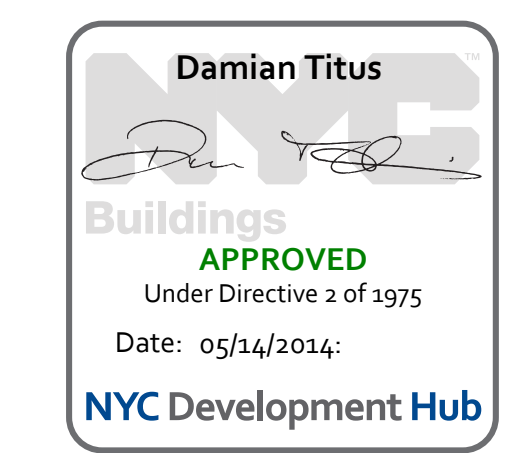
| LIRR EXIT A - PROPOSED | |
|------------------------|---------|
| STAIR | 44" 146 |
| DOOR | 33" 165 |

| LIRR EXIT C - PROPOSED | |
|------------------------|---------|
| STAIR | 44" 146 |
| DOOR | 33" 165 |

| LIRR EXIT B - PROPOSED | |
|------------------------|---------|
| STAIR | 44" 146 |
| DOOR | 33" 165 |



1 LOWER PLATFORM LEVEL OVERALL PLAN
SCALE: 1/32" = 1'-0"



HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 50th Floor
New York, NY 10017
TEL: 212.708.3600

Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
New York, NY 10010
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

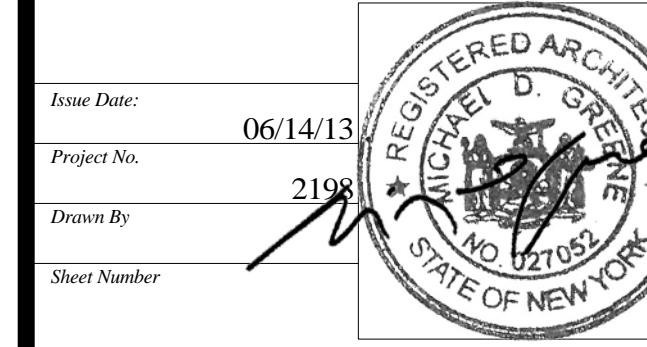
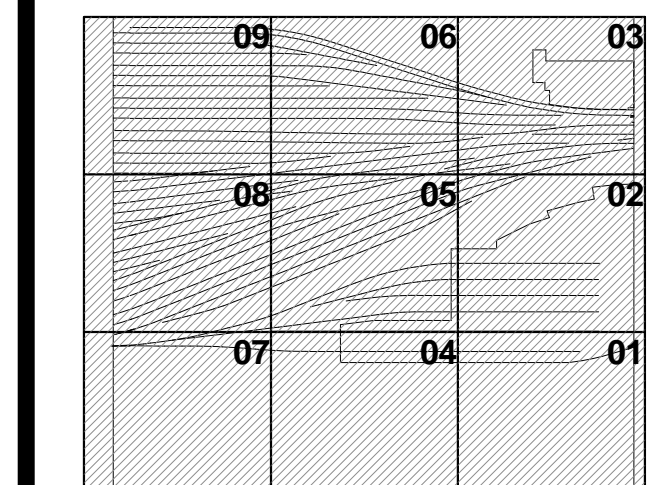
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.975.9300 FAX: 212.682.6172

| | |
|-----------------------------------|------------|
| 7. DOB SUBMISSION UPDATE | 3/17/2014 |
| 8. Issue to FDNY | 12/12/2013 |
| 9. L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 10. L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 11. L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 12. NYC DOB File | 6/17/2013 |
| 13. L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 14. Occupancy | File |

Rev. Plot



Project No: 2119

Sheet Number

Drawing Title

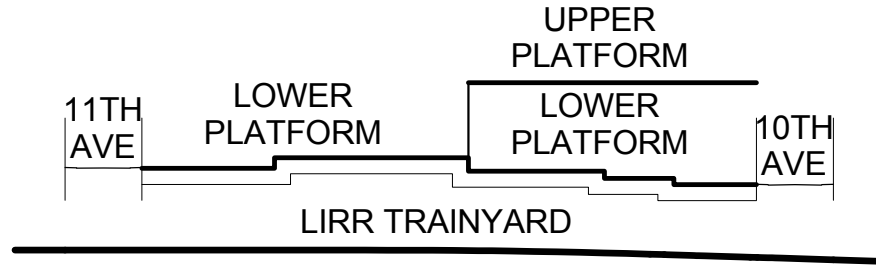
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M&E/CT/AC SUBSTATION
TRACK LEVEL LIFE
SAFETY PLAN

Project Number
EG-800.00

GENERAL NOTES

- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER A & RETAIL PODIUM SERVICE P.O.E.s - FOR NYC DOB REVIEW
- HATCHED AREA DENOTES LIRR PLATFORM SCOPE NOT INCLUDED IN THE SCOPE OF MOE/AC/ SUBSTATION/CONTROL TOWER SUBMISSION
- SYMBOL \times DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE/NON-LIRR SPACES
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.

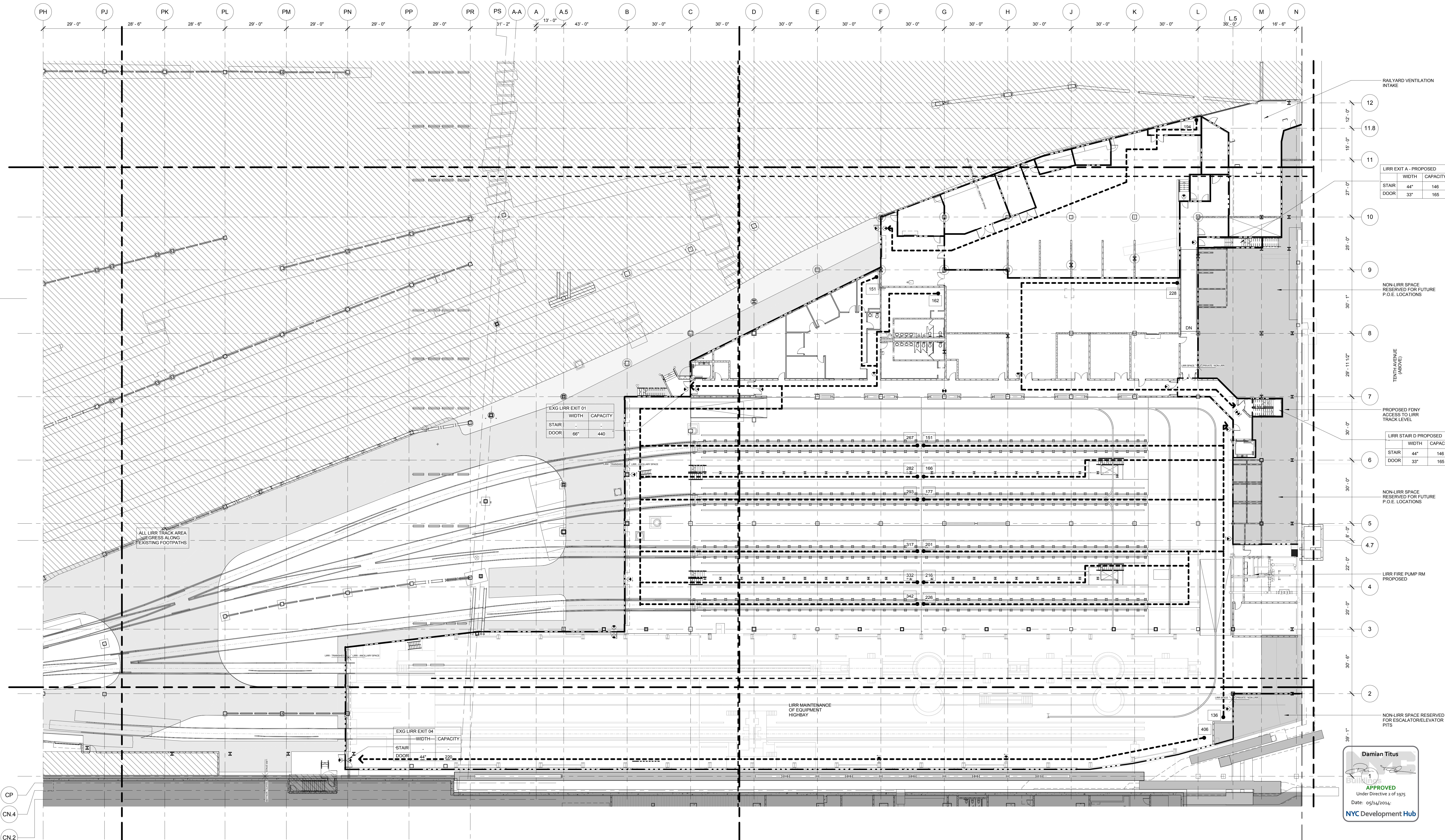


SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

- NOTE
FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL

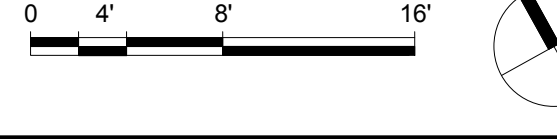
| SYMBOL KEY | |
|------------|-------------------|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |
| | TRAVEL DISTANCE |

| OCCUPANCY | OCCUPANCY LOAD FACTOR (FT ² /PER) |
|-------------------------|--|
| AREA (FT ²) | OCCUPANCY LOAD (PERSONS) |



1 TRACK LEVEL OVERALL PLAN

SCALE: 1/16" = 1'-0"



EG-800.00
12/12/2013 3:52:14 PM
C:\P\Rev\2013\11\EG-PL_PL-EG-800.00.dwg

HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
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New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
TEL: 212.708.3600

Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
TEL: 212.977.6500 FAX: 212.956.2526

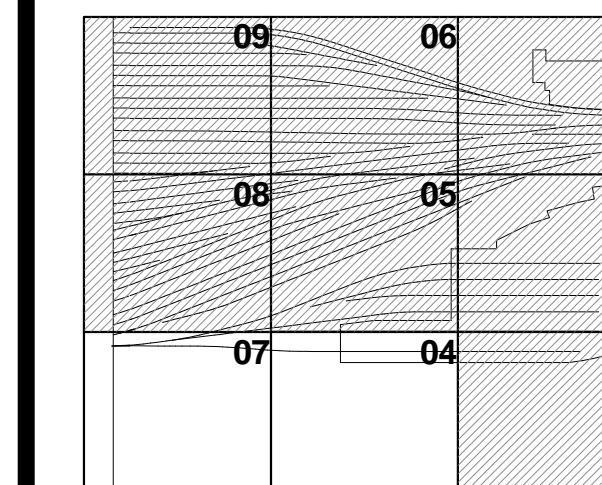
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9200 FAX: 212.682.6172

| | |
|-----------------------------------|------------|
| 7. DOB SUBMISSION UPDATE | 3/17/2014 |
| 8. Issue to FDNY | 12/12/2013 |
| 9. L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 10. M&E PLATFORM SUBMISSION | |
| 11. L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 12. L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 13. NYC DOB File | 6/17/2013 |
| 14. L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 15. Description | Date |



Date: 06/14/13
Project No: 219
Owner: NYCT
Sheet Number: 19
Drawing Title: HYE-PL-EG-810.00

REGISTERED ARCHITECT
DAMIAN TITUS
STATE OF NEW YORK

HYE-PL-EG-810.00

**M&E/CT/AC SUBSTATION
CNTRL. TOWER LEVEL
LIFE SAFETY PLAN**

Drawing Number
EG-810.00

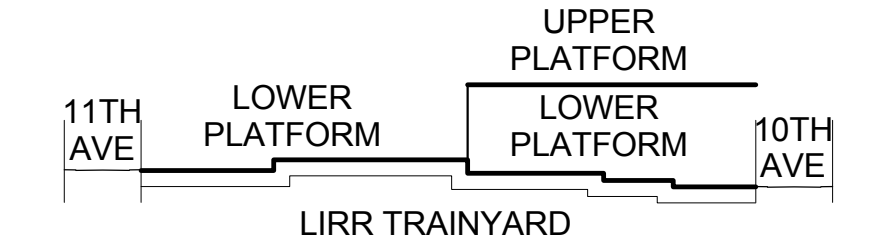
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GENERAL NOTES

- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER A & RETAIL PODIUM SERVICE P.O.E.s - FOR NYC DOB REVIEW
- HATCHED AREA DENOTES LIRR PLATFORM SCOPE NOT INCLUDED IN THE SCOPE OF M&E/AC/ SUBSTATION/CONTROL TOWER SUBMISSION
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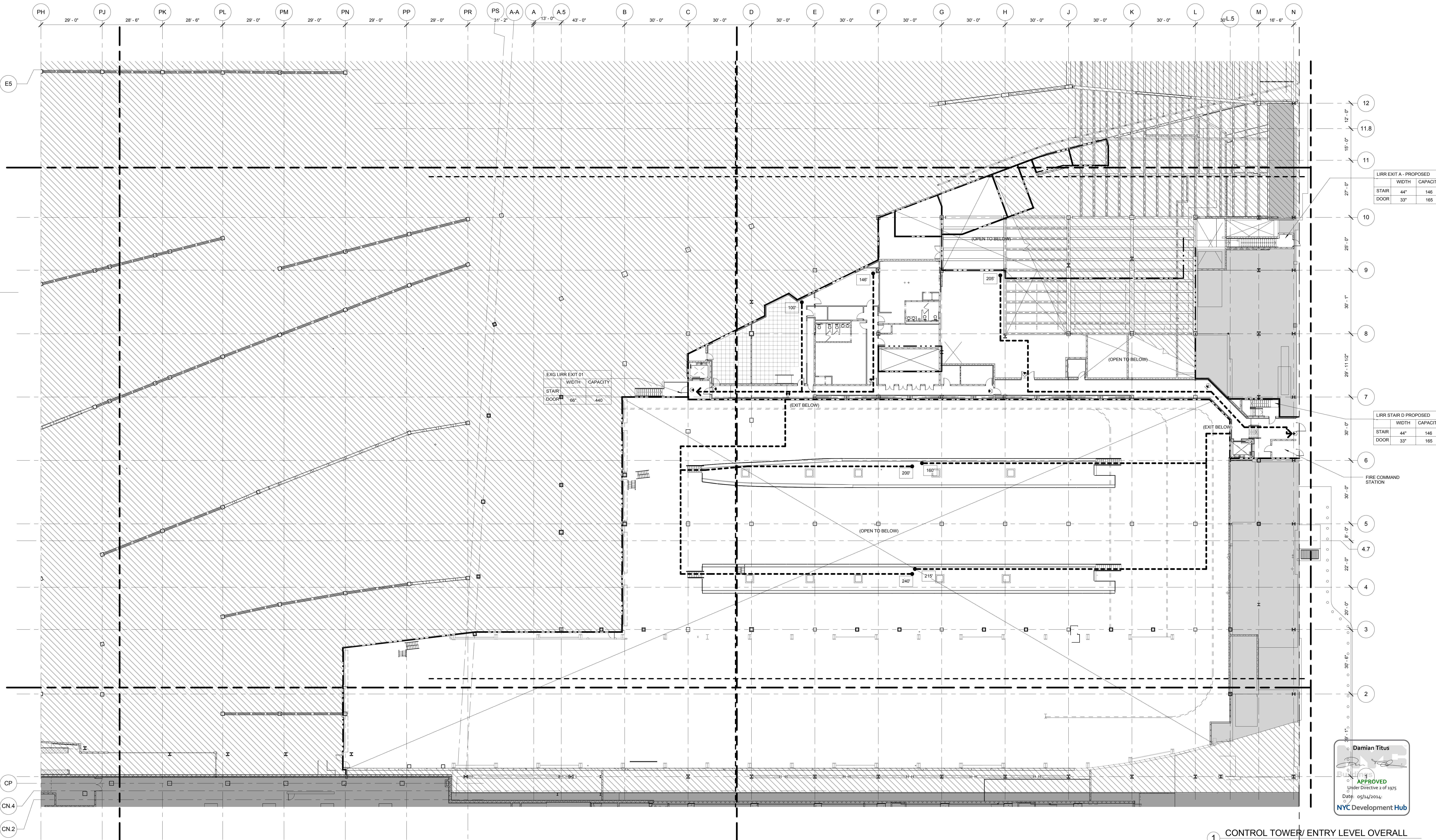
| SYMBOL KEY | |
|------------|-------------------|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |
| | TRAVEL DISTANCE |

| OCCUPANCY | OCCUPANCY LOAD FACTOR (F _T /P _{ER}) |
|-------------------------|--|
| AREA (FT ²) | OCCUPANCY LOAD (PERSONS) |



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

- NOTE
FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL

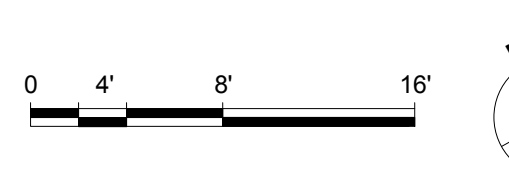


| LIRR EXIT A - PROPOSED | WIDTH | CAPACITY |
|------------------------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

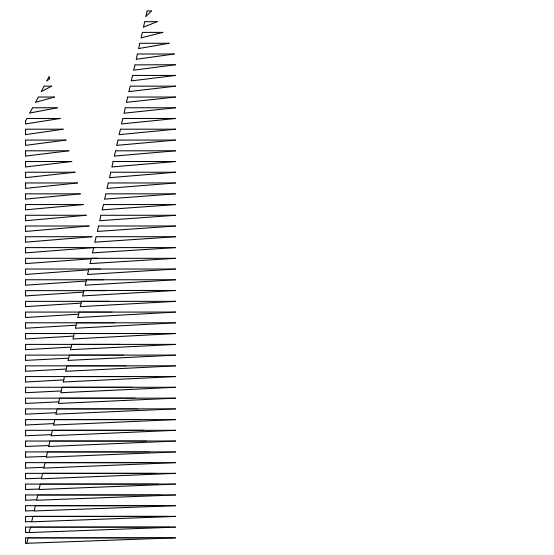
| LIRR STAIR D - PROPOSED | WIDTH | CAPACITY |
|-------------------------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

| EXISTING LIRR EXIT 01 | WIDTH | CAPACITY |
|-----------------------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 66" | 440 |

1 CONTROL TOWER/ ENTRY LEVEL OVERALL
SCALE: 1/16" = 1'-0"



Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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Structural Engineer
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51 Madison Avenue
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TEL: 917.661.7800 FAX: 917.661.7801

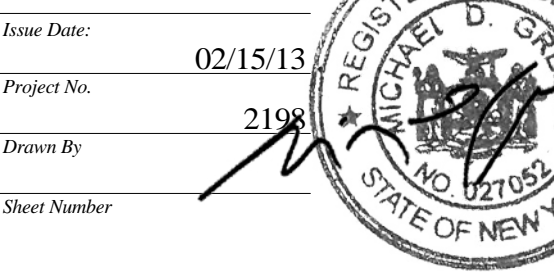
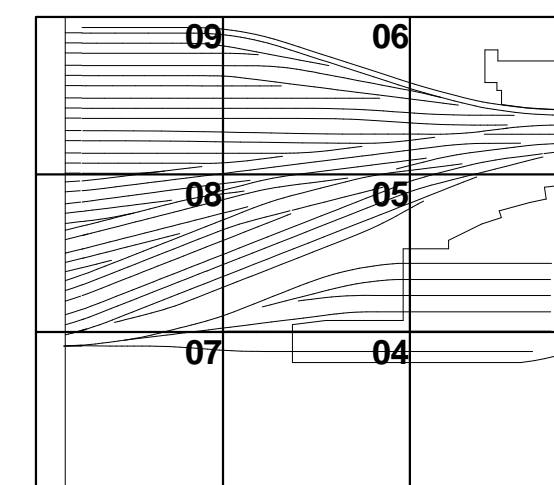
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

ILRR Ventilation
Dye Arup & Partners P.C.
77 West Street
New York, NY 10005
TEL: 212.896.3000

ILRR Substation
ALECON
605 Third Avenue
New York, NY 10158
TEL: 212.975.9300 FAX: 212.682.6172

| | | |
|-----|-------------------------------|------------|
| 3. | DOB SUBMISSION | 10/18/2013 |
| 4. | L.I.R.R. - 10% M&E PLATFORM | 11/22/2013 |
| 5. | L.I.R.R. - 90% M&E PLATFORM | 10/04/2013 |
| 6. | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 7. | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 8. | L.I.R.R. - 60% M&E SUBMISSION | 6/17/2013 |
| 9. | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 10. | L.I.R.R. - 30% SUBMISSION | 5/20/2013 |
| 11. | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 12. | Revision | Final |

Rev. Plan

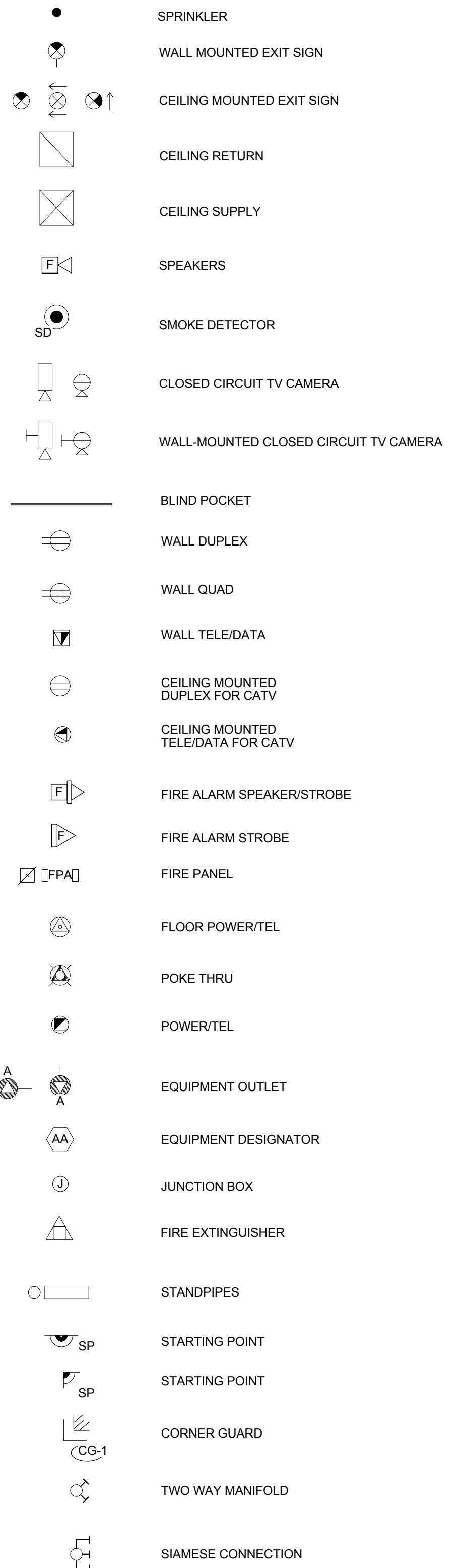


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Project No: 219
Drawing No: HYE-PL-A-001.00
Drawing Title

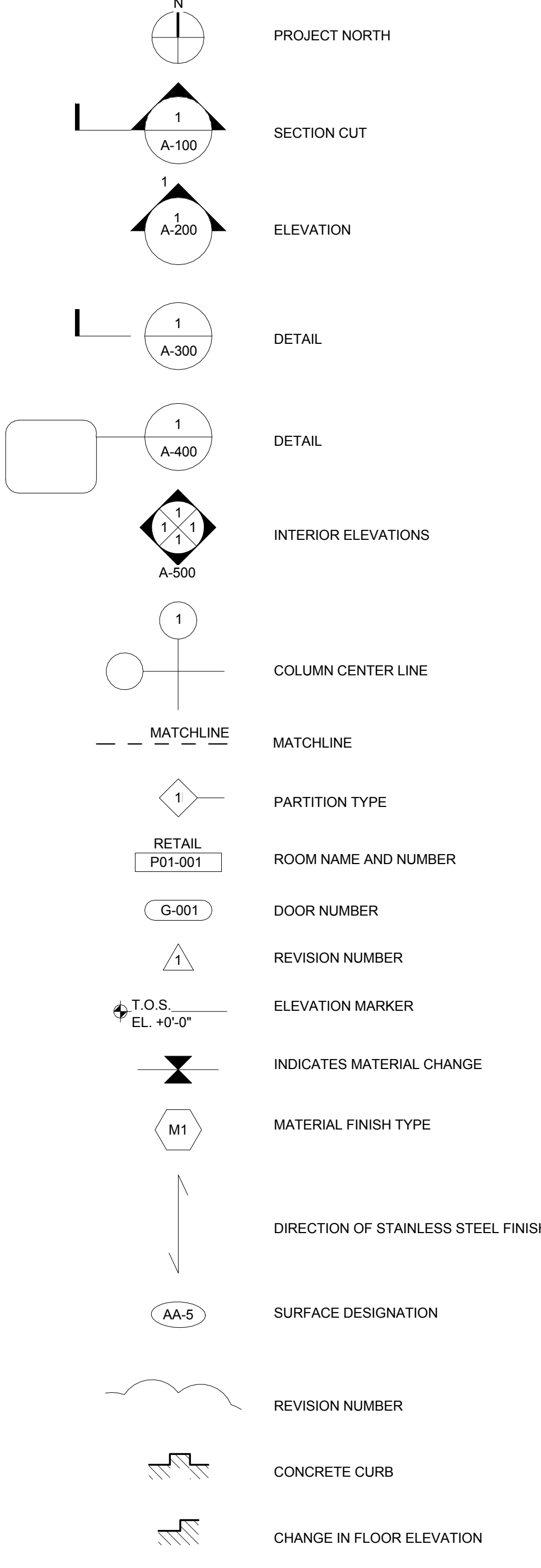
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Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

General Notes, Abbreviations, & Symbols
Drawing Number
A-001.00

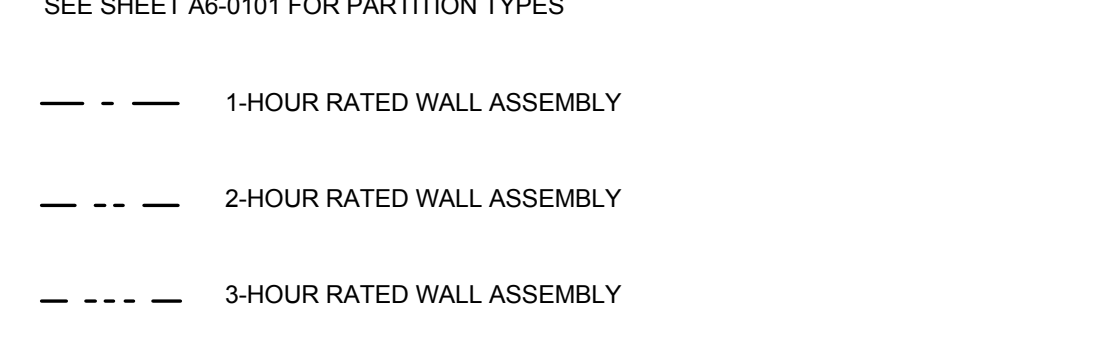
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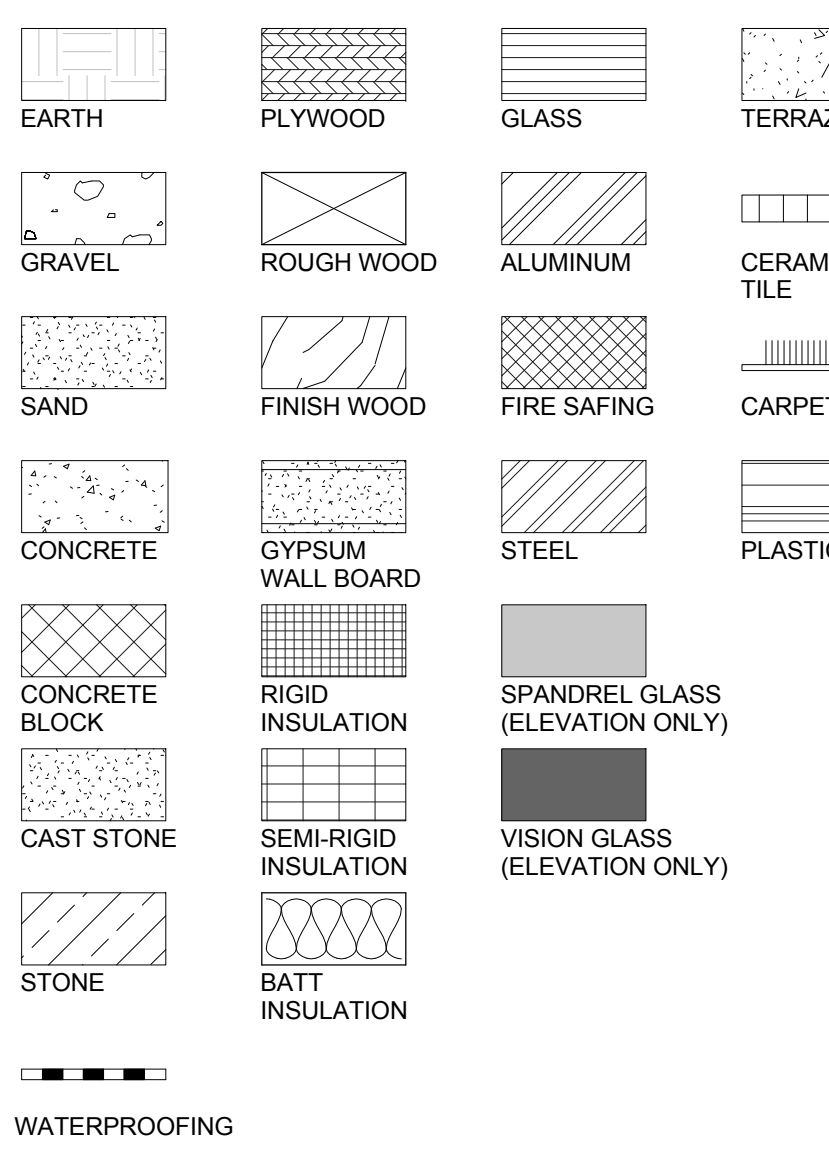
ARCHITECTURAL GRAPHIC SYMBOLS



FIRE RATED WALL INDICATIONS



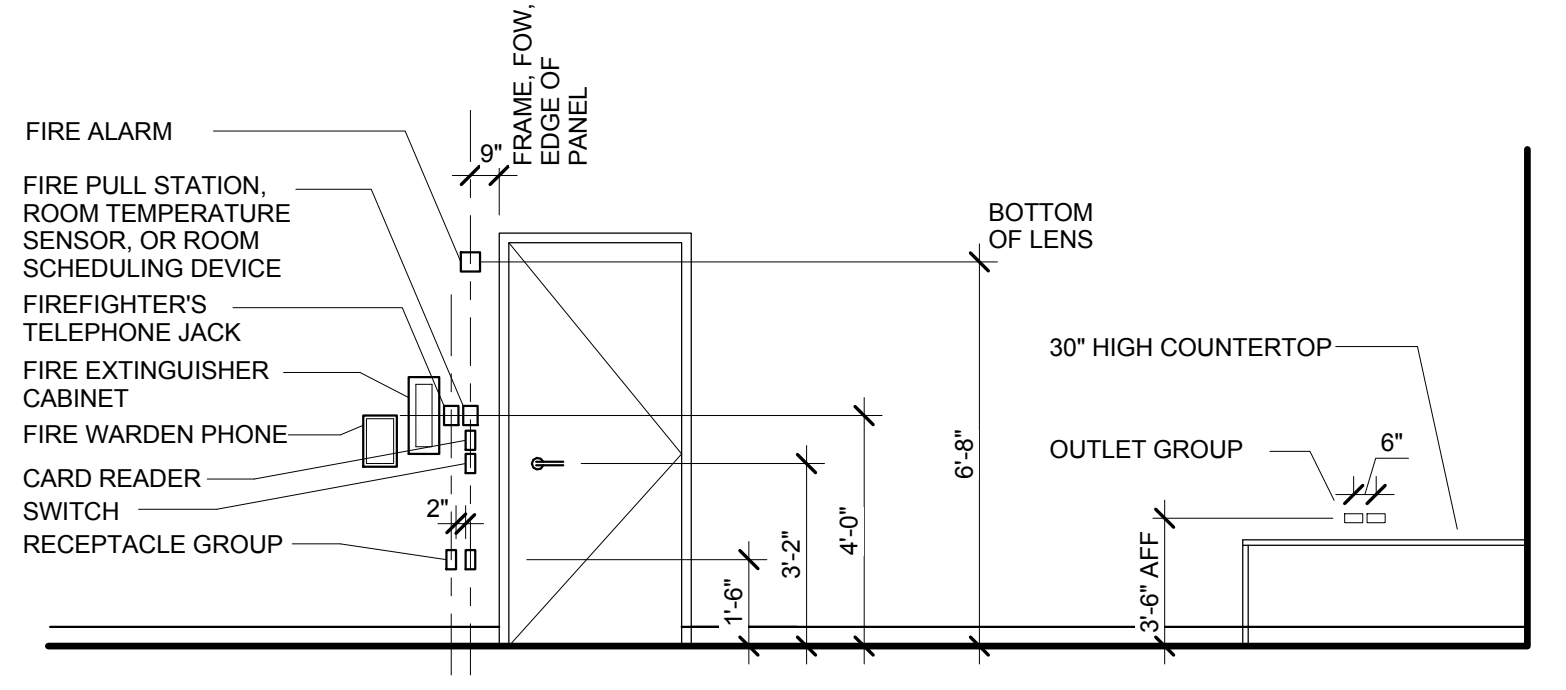
MATERIAL KEY



INTERIOR FINISH KEY (ELEVATION ONLY)



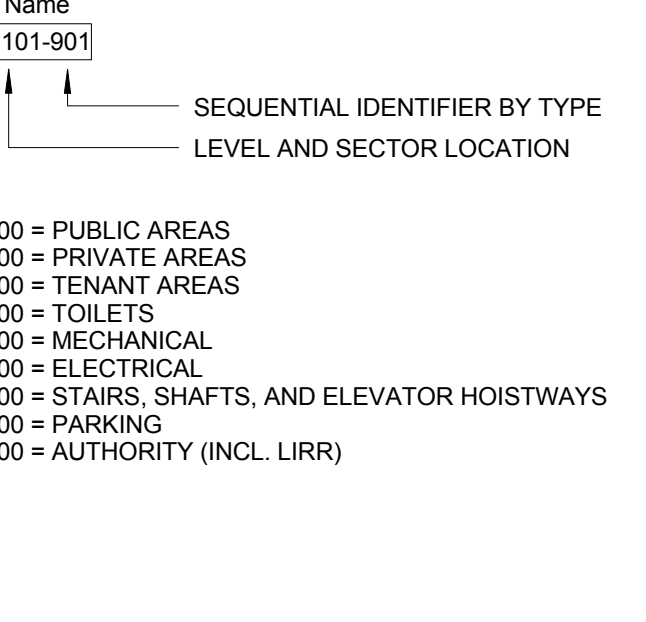
PTE LEGEND:



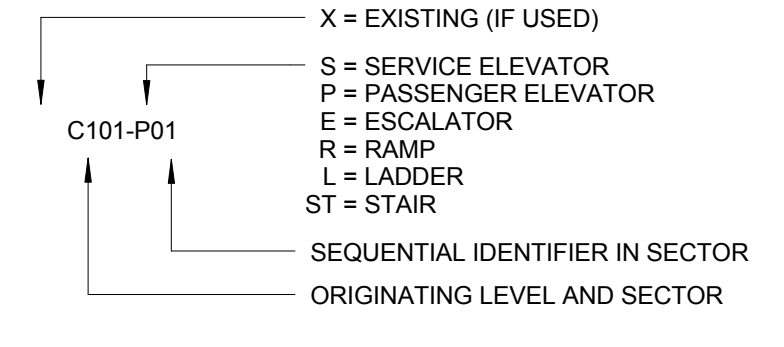
STANDARD MOUNTING HEIGHTS (UNLESS OTHERWISE NOTED ON THE INTERIOR AND EXTERIOR ELEVATIONS)
(Not to Scale)

- NOTES: 1. ALWAYS ALIGN VERTICALLY WHEN IN PROXIMITY
2. SEE ARCHITECTS DRAWINGS FOR PLAN LOCATIONS
3. SEE A-000 FOR ADA PUSH PLATES AND CARD READERS AT EXTERIOR COLUMNS
4. ADA PUSHPLATES TO BE MOUNTED 3'-1" A.F.F. TYP. U.N.O.

ROOM OR AREA NAME AND NUMBERING LEGEND



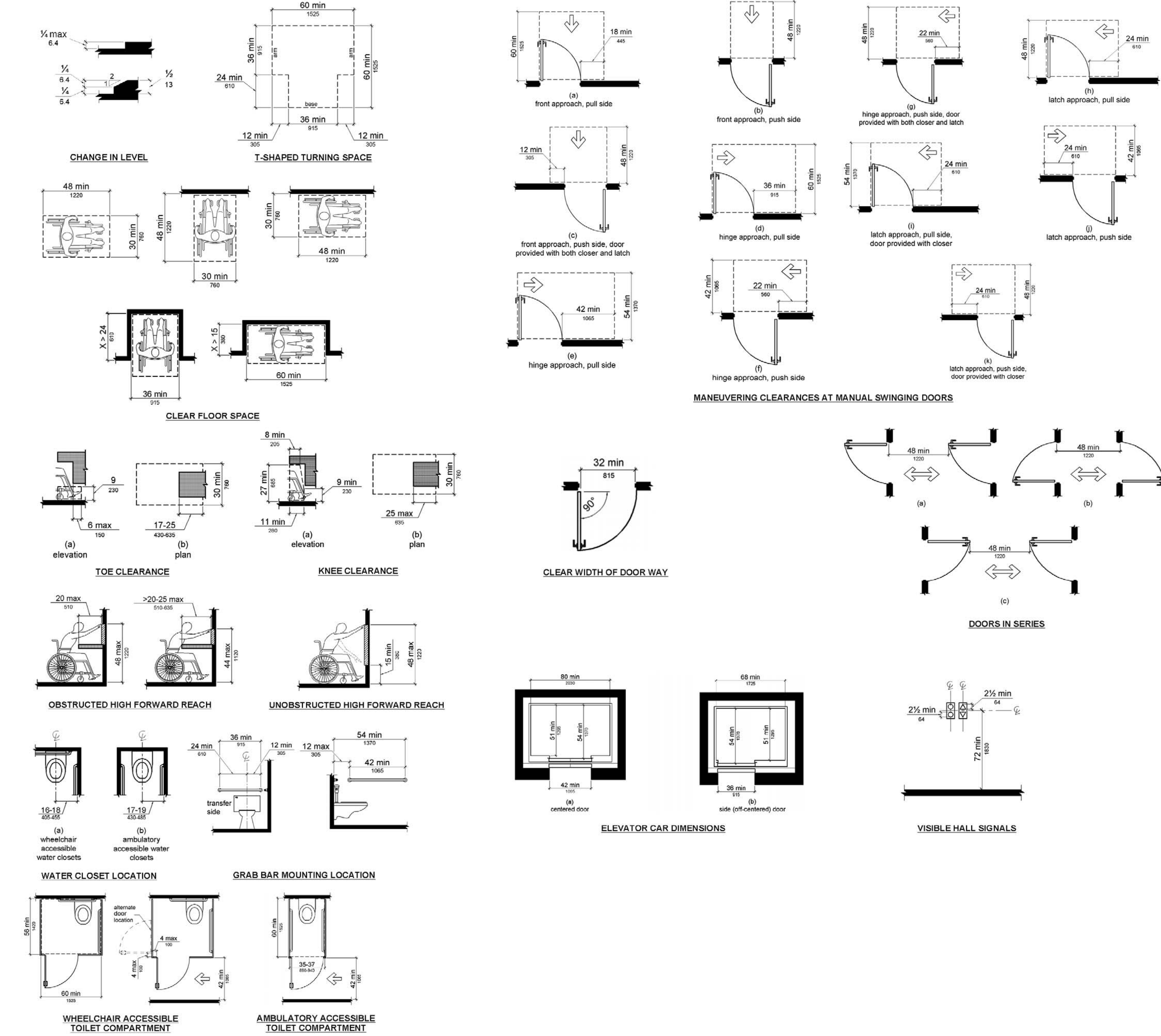
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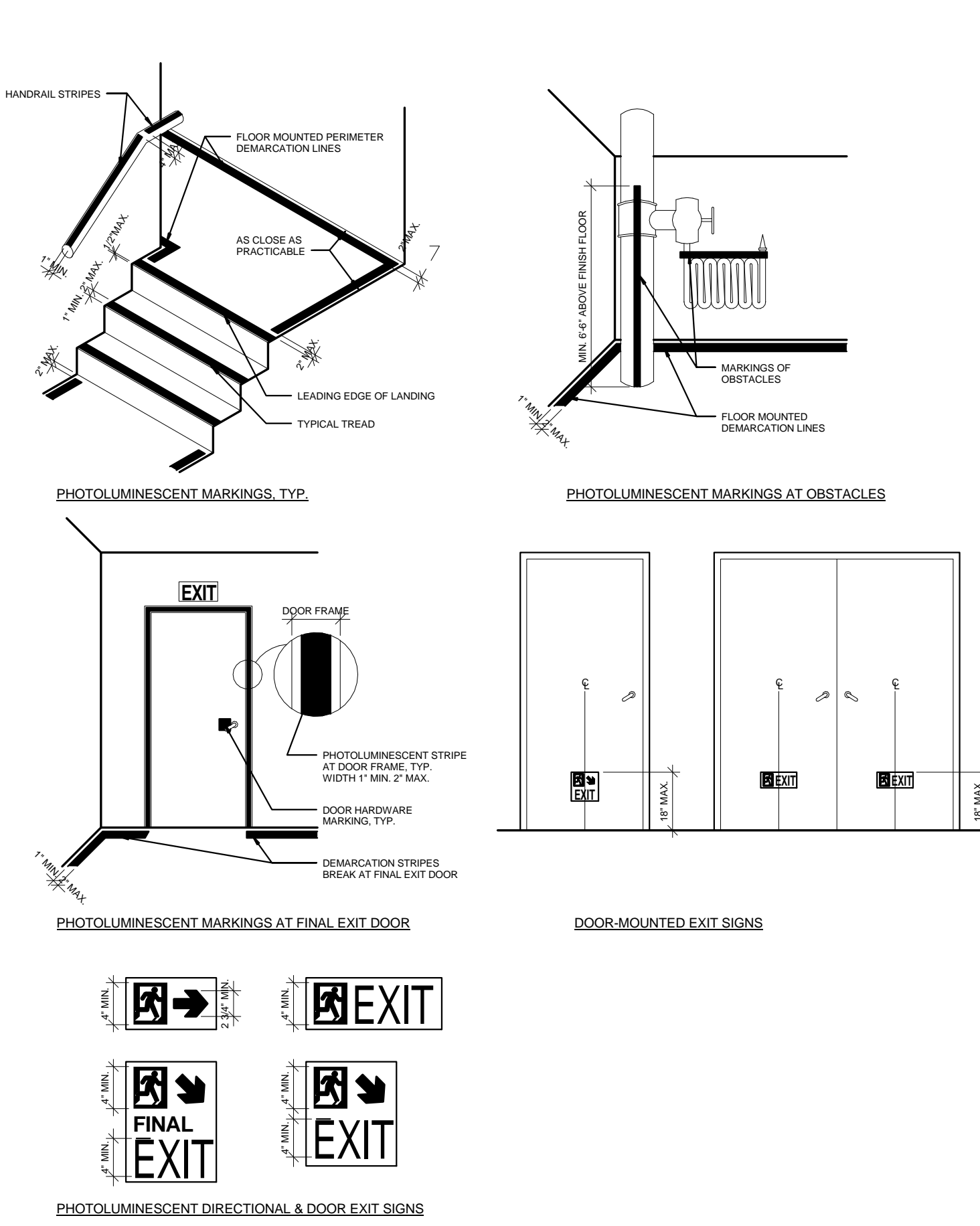
- 100 = PUBLIC AREAS
200 = PRIVATE AREAS
300 = TENANT AREAS
400 = TOILETS
500 = MECHANICAL
600 = ELECTRICAL
700 = STAIRS, SHAFTS, AND ELEVATOR HOISTWAYS
800 = SQUARE FEET
900 = AUTHORITY (INCL. ILRR)

| ABBREVIATIONS | |
|---------------|--|
| A | A.C.T. ACOUSTICAL CEILING TILE |
| A | ABV. ABOVE |
| A | ADOL. ADDITIONAL |
| A | ADJ. ADJUSTABLE |
| A | AFF. ABOVE FINISHED FLOOR |
| A | AHU AIR HANDLING UNIT |
| A | ALT. ALTERNATE |
| A | ARCH. ARCHITECTURAL |
| A | AVG. AVERAGE |
| A | AXON. AXONOMETRIC |
| B | B.O. BOTTOM OF |
| B | BO. BOUNDARY |
| B | BLDG. BUILDING |
| B | BLDG. BLOCKING |
| B | BPP. BUILDERS PAVEMENT PLAN |
| B | BTM. BOTTOM |
| C | CJ. CONTROL JOINT |
| C | CL. CENTER LINE |
| C | CLG. CEILING |
| C | CLG. HT. CEILING HEIGHT |
| C | CLS. CLOSET |
| C | CLR. CLEAR |
| C | CMU. CONCRETE MASONRY UNIT |
| C | COL. COLUMN |
| C | COL. L. COLUMN LINE |
| C | CONG. CONCRETE |
| C | CONT. CONTIGUOUS |
| C | CW. CURTAINWALL |
| D | DEG. DEGREE |
| D | DEP. DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| D | DEPT. DEPARTMENT |
| D | DETL. DETAIL |
| D | DMG. DIAGONAL |
| D | DEF. DEFENDER |
| D | DIV. DIVISION |
| D | DN. DOWN |
| D | DOB. DEPARTMENT OF BUILDINGS |
| D | DMG. DRAWING |
| E | E.D.S. EDGE OF SLAB |
| E | EA. EACH |
| E | EC. ELECTRICAL CLOSET |
| E | EJ. EXPANSION JOINT |
| E | ELEC. (ELECTRICAL) |
| E | EMER. EMERGENCY |
| E | EMR. ELEVATOR MACHINE ROOM |
| E | ENCL. ENCLOSURE |
| E | ENG. MTL. FAB. ENGINEERED METAL FABRICATION |
| E | EQ. EQUIPMENT |
| E | ES. ESCALATOR |
| E | EVTR. ELEVATOR |
| E | EXG. EXISTING |
| E | EXP. EXPOSED |
| E | EXT. EXTERIOR |
| F | F.F. FINISHED FLOOR |
| F | F.O.B. FACE OF BUILDING |
| F | F.O.G. FACE OF GLASS |
| F | FA. FIRE ALARM |
| F | FD. FLOOR DRAIN |
| F | FE. FIRE EXTINGUISHER |
| F | F.F.C. FIRE EXTINGUISHER CABINET |
| F | FLR. FLOOR |
| F | FNDR. FOUNDATION |
| F | FDH. FIBERS OF THE HIGH LINE |
| F | FPS. FIRE PULL STATION |
| F | FT. FOOT / FEET |
| F | FTG. FOOTING |
| F | FLTR. FILTER |
| F | FW. FIRE WARDEN PHONE |
| G | GA. GAUGE |
| G | GALV. GALVANIZED |
| G | GC. GENERAL CONTRACTOR |
| G | GWB. GYPSUM WALL BOARD |
| G | GX. GENERAL EXHAUST |
| H | H.P. HIGH POINT |
| H | HM. HOLLOW METAL |
| H | HORZ. HORIZONTAL |
| H | HVAC. HEATING, VENTILATING, & AIR CONDITIONING |
| H | HYDC. HUDSON YARDS DEVELOPMENT CORPORATION |
| I | IN. INCH / INCHES |
| I | INCL. INCLUDE |
| I | INSL. INSULATION |
| I | INT. INTERIOR |
| J | J.B. JAMB |
| J | J.C. JANITOR'S CLOSET |
| K | KIT. KITCHEN |
| K | KX. KITCHEN EXHAUST |
| L | L.P. LOW POINT |
| L | LAM. LAMINATED |
| L | LAV. LAVATORY |
| L | LS. LISTS |
| L | LIRR. LONG ISLAND RAIL ROAD |
| L | LVR. LOUVER |
| M | M.O.E. MAINTENANCE OF EQUIPMENT |
| M | MACH. MACHINE |
| M | MAINT. MAINTENANCE |
| M | MANU. MANUFACTURED |
| M | MATL. MATERIAL |
| M | MAK. MAKER |
| M | MECH. MECHANICAL |
| M | MEZZ. MEZZANINE |
| M | MGMT. MANAGEMENT |
| M | MH. MANHOLE |
| M | MM. MINIMUM |
| M | MISC. MISCELLANEOUS |
| M | MTD. MOUNTED |
| M | MTL. METAL |
| M | MULL. MULLION |
| N | NIC. NOT IN CONTRACT |
| N | NO. NUMBER |
| N | NOM. NOMINAL |
| N | NTS. NOT TO SCALE |
| O | O.C. ON CENTER |
| O | O.T.B. OPEN TO BELOW |
| O | OA. OUTSIDE AIR |
| O | OAI. OUTSIDE AIR INTAKE |
| O | OPNG. OPENING |
| O | OPP. OPPOSITE |
| O | OPP. HAND. OPPOSITE HAND |
| O | OVHD. OVERHEAD |
| P | PA. PUBLIC ADDRESS |
| P | PART. PARTIAL |
| P | PASS. PASSENGER |
| P | PERF. PERFORATED |
| P | PL. PROPERTY LINE |
| P | PLMBG. PLUMBING |
| P | PLT. PLATE |
| P | PNL. PANEL |
| P | POL. POLISHED |
| P | PSF. POUNDS PER SQUARE FOOT |
| P | PSI. POUNDS PER SQUARE INCH |
| P | PTD. PARTIALLY |
| P | PTN. PARTITION |
| Q | QTY. QUANTITY |
| R | R.SER. RISER |
| R | RO. ROUGH OPENING |
| R | RA. RETURN AIR |
| R | RAD. RADIOS |
| R | RCP. REFLECTED CEILING PLAN |
| R | REF. REFER TO |
| R | REIN. REINFORCED |
| R | RM. ROOM |
| S | S.S. STAINLESS STEEL |
| S | SA. SUPPLY AIR |
| S | SCHED. SCHEDULE |
| S | SHI. SHEET |
| S | SMB. SIMILAR |
| S | SOE. SUPPORT OF EXCAVATION |
| S | SP. STAIR PRESSURIZATION |
| S | SPEC. SPECIFICATION |
| S | SO. FT. SQUARE FEET |
| S | STC. SOUND TRANSMISSION CLASS |
| S | STR. STANDARD |
| S | STL. STEEL |
| S | STOR. STORAGE |

APPLICABLE ADA DIAGRAMS: PROPOSED WORK TO APPLY WITH APPLICABLE REQUIREMENTS OF ANSIS 117.1.2003 AND THE AMERICANS WITH DISABILITIES ACT (ADA), AS PER DIAGRAMS BELOW.



APPLICABLE ADA DIAGRAMS: PROPOSED WORK TO APPLY WITH APPLICABLE REQUIREMENTS OF ANSIS 117.1.2003 AND THE AMERICANS WITH DISABILITIES ACT (ADA), AS PER DIAGRAMS BELOW.



HISTORIC LANDMARK STRUCTURES: PROPOSED WORK IS NOT WITHIN 90' OF ANY ADJACENT HISTORIC LANDMARK STRUCTURES. TYPN 1086 THEREFORE NOT APPLICABLE. LANDMARK MAP SHOWN BELOW.



NYC DEPARTMENT OF BUILDINGS NOTES

NOTIFICATION OF THE DEPARTMENT: NOTIFICATION TO BE PROVIDED TO DEPARTMENT OF BUILDINGS 24-HOURS PRIOR TO COMMENCEMENT OF EARTHWORK, AS PER BC 3304.3.1.

NOTIFICATION OF ADJACENT BUILDING OWNERS: WRITTEN NOTIFICATION TO BE PROVIDED TO ADJACENT BUILDING OWNERS NOT LESS THAN 10 DAYS PRIOR TO COMMENCEMENT OF EXCAVATION WORK, AS PER BC 3304.3.2.

DUTIES AND POWERS OF COMMISSIONER OF BUILDINGS: AUTHORITY TO RENDER INTERPRETATIONS AND TO ADOPT RULES ESTABLISHING POLICIES AND PROCEDURES HELD BY THE COMMISSIONER OF BUILDINGS, AS PER BC 104.

ROBENT PROOFING: PROPOSED WORK TO BE COMPLIANT WITH ROBERT PROOFING REQUIREMENTS, AS PER BC APPENDIX F 101.

HIGH-RISE BUILDINGS: DESIGN OF ELEVATORS TO BE COMPLIANT WITH ACCESSIBLE MEANS OF EGRESS REQUIREMENTS, AS PER BC 1907.2.1 AND BC 1109.6.

STAIRWAY DOOR OPERATION: STAIRWAY DOOR OPERATION AND STAIRWAY COMMUNICATIONS SYSTEM TO BE PROVIDED, AS PER BC 403.12 AND BC 403.12.1.

SMOKE PROOF EXIT ENCLOSURES: DESIGN OF ALL EXIT STAIRS TO BE COMPLIANT WITH BC 403.13.

IMPACT RESISTANT STAIR ENCLOSURES: MATERIALS, ASSEMBLY, AND INSTALLATION OF ALL EXIT STAIRS TO BE COMPLIANT WITH BC 403.15. SEE PARTITION SCHEDULE FOR FURTHER INFORMATION.

EXIT PATH MARKINGS: PHOTOLUMINESCENT EXIT PATH MARKINGS TO BE PROVIDED AT ALL EXIT DOORS, EXIT PASSAGEWAYS, AND EXIT STAIRS, AS PER BC 403.16 AND BC 1028.11.

STRUCTURAL DESIGN: BUILDING, STRUCTURES, AND PARTS THEREOF ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH STRENGTH DESIGN, LOAD AND RESISTANCE FACTOR DESIGN, ALLOWABLE STRESS DESIGN, EMPIRICAL DESIGN, OR CONVENTIONAL CONSTRUCTION METHODS, AS PER REQUIREMENTS OF 2008 NYC BUILDING CODE, BC 1604. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.

MECHANICAL EQUIPMENT AND BUILDING SYSTEMS: MECHANICAL EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE 2008 NYC MECHANICAL CODE AND 2008 NYC FUEL GAS CODE, AS PER BC 2801.1. REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.

PLUMBING SYSTEMS: PLUMBING SYSTEM AND EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE 2008 NYC BUILDING CODE, AS PER BC 2901.1. REFER TO PLUMBING DRAWINGS FOR FURTHER INFORMATION.

SOILS AND FOUNDATIONS: BUILDING AND FOUNDATION SYSTEM DESIGNED AS PER REQUIREMENTS OF BC 1801.

FOOTINGS AND FOUNDATIONS: FOOTINGS AND FOUNDATIONS DESIGNED AS PER REQUIREMENTS OF BC 1805.

PLUMBING SYSTEMS: PLUMBING SYSTEMS DESIGNED AS PER REQUIREMENTS OF BC 2901 AND BC 401.

SEISMIC DESIGN PROVISIONS: CONCRETE COMPONENTS THAT RESIST SEISMIC FORCES DESIGNED AS PER REQUIREMENTS OF BC 1910 AND LL 1795.

SEPARATION OF USE: PROJECT IS DESIGNED IN ACCORDANCE WITH THE NON-SEPARATED MIX USE REQUIREMENTS OF BC 508.2.3.

TRANSIT AUTHORITY APPROVAL: PROJECT IS WITHIN 200' OF TRANSIT AUTHORITY.

APPROVAL BY THE NEW YORK CITY BUILDING DEPARTMENT SHALL NOT RELIEVE OR EXEMPT THE DESIGN FROM ANY REQUIREMENTS OF THE RELEVANT TRANSIT AUTHORITIES.

| SPECIAL INSPECTIONS | CODE/SECTION | PROGRESS INSPECTIONS | CODE/SECTION |
|--|--------------------------|---|---------------------------|
| FLOOD ZONE COMPLIANCE | BC G105 | FIRE-RESISTANT RATED CONSTRUCTION | BC 109.3.4 |
| SPRAYED FIRE RESISTANT MATERIALS | BC 1704.11 | ENERGY CODE COMPLIANCE INSPECTION | BC 109.3.5 |
| FOREST DRAFTER, FIRELOCK SYSTEMS | BC 1704.25 | INSULATION PLACEMENT AND R-VALUES | RCNY 5000-01 (IA2), (IA1) |
| STRUCTURAL STEEL - WELDING | BC 1704.3.1 | FENESTRATION THERMAL VALUES AND RATINGS | RCNY 5000-01 (IA3), (IA1) |
| STRUCTURAL STEEL - ERECTION AND BOLTING | BC 1704.3.2, BC 1704.3.4 | FENESTRATION RATINGS FOR AIR LEAKAGE | RCNY 5000-01 (IA4), (IA1) |
| CONCRETE CAST IN PLACE (IT SITE INSPECTION OF PLACEMENT) | BC 1704.4 | FENESTRATION AREAS | RCNY 5000-01 (IA5), (IA1) |
| CONCRETE PRECAST MASONRY | BC 1704.5 | AIR SEALING AND INSULATION - VISUAL DAMPERS INTEGRAL TO BUILDING ENVELOPE | RCNY 5000-01 (IE1), (IE2) |
| SOILS - SITE PREPARATION | BC 1704.7.1 | HVAC AND SERVICE WATER HEATING EQUIPMENT | RCNY 5000-01 (IB3), (IB8) |
| SOILS - FILL PLACEMENT AND IN-PLACE DENSITY | BC 1704.7.2 | HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS | RCNY 5000-01 (IB4), (IB4) |
| SOILS - INVESTIGATIONS (BORING/TEST PITS) | BC 1704.7.4, TR-4 | DUCT PLENUM AND PIPING INSULATION AND SEALING | RCNY 5000-01 (IB5), (IB8) |
| SOIL FOUNDATION AND DRILLED PIER INSTALLATION | BC 1704.8, TR-5 | ELECTRICAL METERING | RCNY 5000-01 (IC1), (IC1) |
| EXCAVATION - SHEETING, SHORING, BRACING | BC 1704.19 | INTERIOR LIGHTING POWER | RCNY 5000-01 (IC2), (IC2) |
| CONCRETE TEST CYLINDERS | BC 1805.4T, TR-2 | LIGHTING CONTROLS | RCNY 5000-01 (IC3), (IC1) |
| CONCRETE DESIGN MIX | BC 1805.3, TR-3 | EXIT SIGNS | RCNY 5000-01 (IC3) |
| MECHANICAL SYSTEMS | BC 1704.15 | ELECTRICAL MOTORS | RCNY 5000-01 (IC3) |
| SITE STORM DRAINAGE DISPOSAL & DETENTION SYSTEM | BC 1704.20 | MAINTENANCE INFORMATION | RCNY 5000-01 (ID1), (ID2) |
| POST-INSTALLED ANCHORS | | PERMANENT CERTIFICATE | RCNY 5000-01 (ID2) |

ASSOCIATED APPLICATIONS

| DATE FILED | APP # |
|------------|----------|
| 08/26/2013 | 12133011 |

LIFE SAFETY NOTES
CODE SUMMARY

APPLICABLE CODES FOR ALL NON-LIRR SPACES

2008 NEW YORK CITY BUILDING CODE
2008 NEW YORK CITY MECHANICAL CODE
2008 NEW YORK CITY FIRE CODE
2008 NEW YORK CITY PLUMBING CODE
2011 NEW YORK ELECTRICAL CODE (BASED ON 2005 NEC)
AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES (ADAAG)
2003 ICC/ANSI 117.1

OCCUPANCY GROUPS
U - MISCELLANEOUS

THE BUILDING WILL BE CONSTRUCTED USING THE NONSEPARATED MIXED USE PROVISIONS OUTLINED IN SECTIONS 508.2.2 OF THE BUILDING CODE.

| CONSTRUCTION TYPE: | TYPE IA |
|-----------------------|---------|
| AUTOMATIC SPRINKLERS: | YES |

IN ACCORDANCE WITH NONSEPARATED MIXED USE PROVISIONS OF THE BUILDING CODE, THE HEIGHT AND AREA OF THE BUILDING MUST COMPLY WITH THE MOST RESTRICTIVE HEIGHT AND AREA REQUIREMENTS FOR THE OCCUPANCY CLASSIFICATIONS OF THE BUILDING AND THE CONSTRUCTION TYPE.

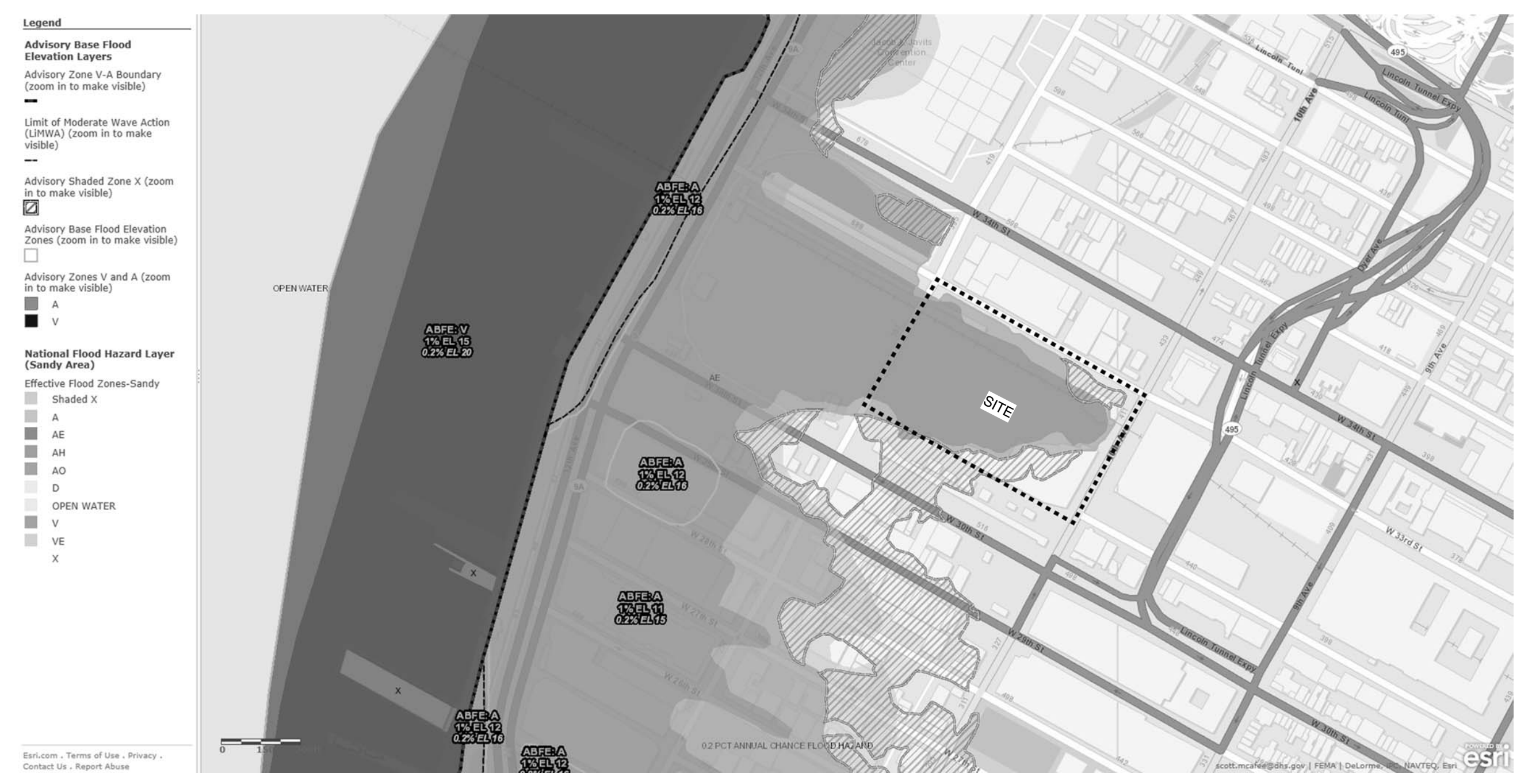
| ALLOWABLE BUILDING AREA: | UNLIMITED |
|----------------------------|-----------|
| ALLOWABLE BUILDING HEIGHT: | UNLIMITED |

SPECIAL FLOOD HAZARD AREAS: AS PER LL 5813. PROPOSED WORK IS OUTSIDE OF SPECIAL FLOOD AREAS. TYPN 104 THEREFORE NOT APPLICABLE. FEMA MAP SHOWN BELOW.



FLOOD MAPS

NTS



NON-LIRR SPACES DESIGNED TO FLOOD ELEVATION OF 13'-4" (B.P.M.D.)
LIRR SPACES DESIGNED IN ACCORDANCE WITH REQUIREMENTS OF LIRR

CONSTRUCTION REQUIREMENTS
FIRE RESISTANCE OF STRUCTURAL ELEMENTS MUST BE IN ACCORDANCE WITH THE FOLLOWING:

| STRUCTURAL ELEMENT | FIRE RESISTANCE RATING (IN HOURS), TYPE IA | |
|--|--|-------------|
| | TABLE 601 & 602 | TABLE 704.8 |
| EXTERIOR BEARING WALLS | 3 | |
| - SUPPORTING MORE THAN ONE LEVEL | | |
| EXTERIOR NON-LOAD - BEARING WALLS* | - | |
| - FIRE SEPARATION 0 TO 5 FEET | 2 | |
| - FIRE SEPARATION 5 TO 30 FEET | 1 | |
| - FIRE SEPARATION >30 FEET | 0 | |
| INTERIOR BEARING WALLS, COLUMNS, AND STRUCTURAL FRAME | - | |
| - SUPPORTING ONE FLOOR OR MORE | 3 | |
| - SUPPORTING A ROOF ONLY | 2 | |
| ENCLOSURE OF EXIT PASSAGEWAYS, STAIRS, AND OTHER VERTICAL SHAFTS | 2 | |
| FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS | 2 | |
| ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS* | 1.5 | |
| INTERIOR CORRIDORS | 0 | |
| PUBLIC/MULTI-TENANT CORRIDORS | 0 | |
| - A.M.S. | 1 | |
| - B | 1* | |

1. EXTERIOR FIRE SEPARATIONS ARE MEASURED PERPENDICULARLY FROM THE BUILDING FACE TO THE CLOSEST INTERIOR LOT LINE, TO THE CENTERLINE OF A STREET OR PUBLIC WAY, OR TO AN IMAGINARY LINE BETWEEN TWO BUILDINGS ON THE SAME PROPERTY.
2. EXCEPT IN M AND S1 OCCUPANCIES, FIRE PROTECTION OF STRUCTURAL MEMBERS ARE NOT REQUIRED, INCLUDING ROOF FRAMING AND DECKING WHERE EVERY PART OF THE ROOF CONSTRUCTION IS 20 FEET OR MORE ABOVE THE FLOOR IMMEDIATELY BELOW (TABLE 601).
3. AN INTERIOR CORRIDOR IS DEFINED AS A CORRIDOR THAT SERVES ONLY ONE TENANT.
4. NOT REQUIRED IN FULLY SPRINKLERED HIGH-RISE BUILDINGS IN GROUP B OCCUPANCIES WHERE THE BUILDING IS EQUIPPED WITH SMOKEPROOF ENCLOSURES.

| CLASSIFICATION OF OPENING | FIRE SEPARATION DISTANCE (FEET)* (TABLE 704.8) | | | | |
|---------------------------|--|---------------------|----------------------|-----------------------|-----------------------|
| | 0-3 | GREATER THAN 3 TO 5 | GREATER THAN 5 TO 10 | GREATER THAN 10 TO 15 | GREATER THAN 15 TO 20 |
| PROTECTED* | 15% | 25% | 45% | 75% | NO LIMIT |
| NOT PERMITTED | | | | | |

1. THE MAXIMUM ALLOWABLE OPENING AREA OF UNPROTECTED OPENINGS IS EQUAL TO THAT PERMITTED FOR PROTECTED OPENINGS IN FULLY SPRINKLERED BUILDINGS.
2. UNLIMITED UNPROTECTED OPENINGS ARE PERMITTED WHERE EXTERIOR BEARING WALLS, EXTERIOR NON BEARING WALLS, AND EXTERIOR STRUCTURAL FRAME ARE NOT REQUIRED TO HAVE A FIRE RESISTANCE RATING.

INTERIOR FINISH
ALL WALL AND CEILING INTERIOR FINISH MATERIALS MUST BE CLASSIFIED IN ACCORDANCE WITH ASTM-E84 TEST FOR SURFACE BURNING CHARACTERISTICS OF CONSTRUCTION MATERIALS AS FOLLOWS (803.1):

| CLASS | SMOKE DEVELOPMENT | FLAME SPREAD |
|---------|-------------------|--------------|
| CLASS A | 0-25 | 0-75 |
| CLASS B | 0-25 | 76-200 |
| CLASS C | 0-25 | 201-750 |

THE MAXIMUM CLASS INTERIOR FINISH MATERIAL PERMITTED FOR USE ON WALLS AND CEILINGS IN THE FULLY SPRINKLERED BUILDING MUST BE LIMITED AS FOLLOWS:

| USE | EXITS | EXIT ACCESS | ROOMS AND SPACES |
|-----------|-------|-------------|------------------|
| S | B | C | C |
| A-2, A-3* | B | B | C' |
| B, M | B | B | B |

* LOBBY AREAS IN A-2, A-3 OCCUPANCIES MUST NOT BE LESS THAN CLASS B

MEANS OF EGRESS

| USE | OCCUPANT LOAD FACTOR |
|--|----------------------|
| OFFICES | 100 GROSS |
| ASSEMBLY | 5 NET |
| - UNCONCENTRATED (TABLES & CHAIRS), DINING | |
| - CONCENTRATED (NON-FIXED CHAIRS) | |
| - STANDING ROOM | |
| RETAIL | - |
| - BASEMENT AND GRADE | 30 GROSS |
| - ALL OTHER FLOORS | 60 GROSS |
| PARKING | 200 GROSS |
| KITCHEN | 200 GROSS |
| STORAGE AND MECHANICAL EQUIPMENT ROOMS | 300 GROSS |

EXIT CAPACITY (TABLE 1005.1)

| EXIT CAPACITIES | VERTICAL INCHES/OCC | VERTICAL INCHES/O CC |
|-----------------|---------------------|----------------------|
| HORIZONTAL | 0.2 | 0.3 |
| INCHES/OCC | | |

EXIT DOORS
ALL EXIT DOORS MUST SWING IN THE DIRECTION OF TRAVEL WHERE SERVING AN OCCUPANT
LOAD OF 50 OR MORE

Damian Titus
Buildings APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY

Client
Related Companies
320 Columbus Circle
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TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
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PC Architects & Planning Consultants
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New York, NY 10010
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Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
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TEL: 212.266.8300 FAX: 212.571.6825

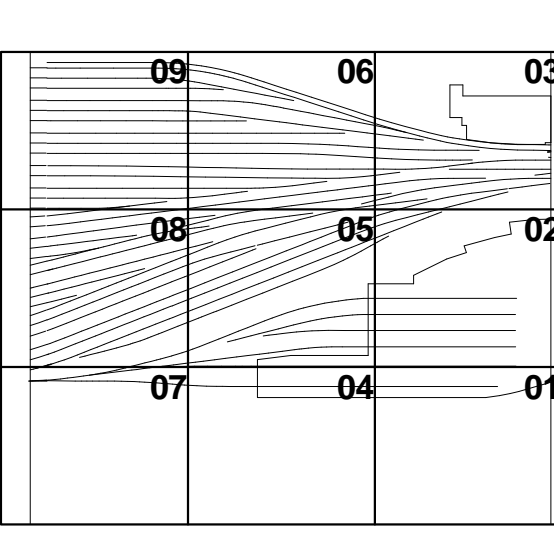
LIRR Ventilation
Ove Arup & Partners P.C.
77 West Street
New York, NY 10005
212.896.3000

LIRR Substation
ARCUM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9500 FAX: 212.682.6172

| NO. | DESCRIPTION | DATE |
|-----|---------------------------|------------|
| 1 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 2 | DOB SUBMISSION UPDATE | 1/6/2014 |
| 3 | L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 4 | ME-FINAL SUBMISSION | 10/18/2013 |
| 5 | DOB SUBMISSION | 8/09/2013 |
| 6 | NYC DOB Final | 6/17/2013 |
| 7 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 8 | Design | 5/29/2013 |

| CLASSIFICATION OF OPENING | GREATER THAN 3 TO 5 | GREATER THAN 5 TO 10 | GREATER THAN 10 TO 15 | GREATER THAN 15 TO 20 | GREATER THAN 20 |
|---------------------------|---------------------|----------------------|-----------------------|-----------------------|-----------------|
| PROTECTED* | 15% | 25% | 45% | 75% | NO LIMIT |
| NOT PERMITTED | | | | | |

| CLASS | SMOKE DEVELOPMENT | FLAME SPREAD |
|---------|-------------------|--------------|
| CLASS A | 0-25 | 0-75 |
| CLASS B | 0-25 | 76-200 |
| CLASS C | 0-25 | 201-750 |



DATE: 2/15/2013
PROJECT NO: 210
DRAWING NO: 210
DRAWING TITLE: HYE-PL-A-002.00

REGISTERED ARCHITECT
STATE OF NEW YORK
HYE-PL-A-002.00
BUILDING DEPARTMENT NOTES & FEMMA MAP

Drawn By: A-002.00

Address:
530 WEST 33RD STREET
NEW YORK, NY

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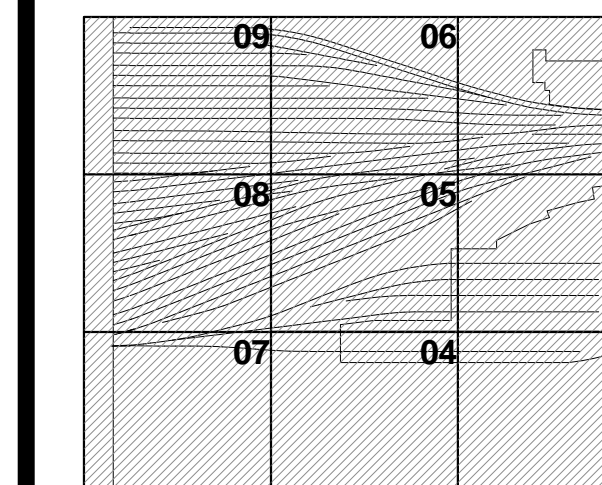
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LIRR Substation
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New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

| | |
|--------------------------|------------|
| 1. DOB SUBMISSION UPDATE | 3/17/2014 |
| 2. DOB SUBMISSION UPDATE | 2/12/2014 |
| 3. DOB SUBMISSION | 10/18/2013 |
| 4. NYC DOB Filing | 6/12/2013 |
| 5. Description | File |

Rev. Plan



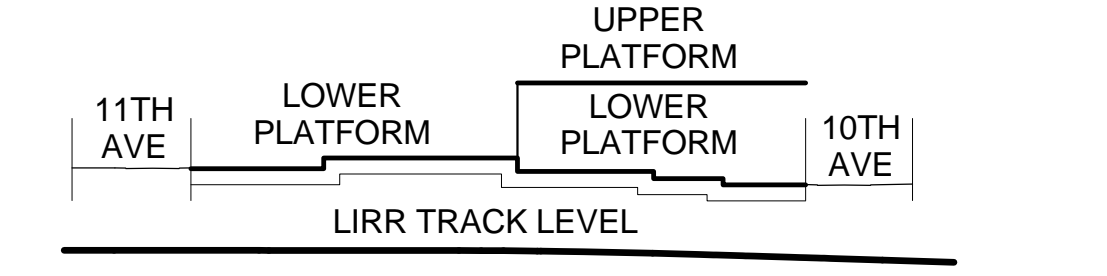
Issue Date: 06/10/13
Project No: 2198
Drawing No: 032.00
Sheet Number: 032.00

HYE -PL -A-032.00

TRACK LEVEL OVERALL PLAN

Drawing Title
A-032.00

- GENERAL NOTES**
- HATCHED AREA [diagonal lines] DENOTES PROPOSED LIRR AREA RESERVED FOR TRAIN YARD AND SUPPORTING FACILITIES INCLUDING MAINTENANCE OF EQUIPMENT, CONTROL TOWER, AND A/C & D/C SUBSTATION.
 - HATCHED AREA [cross-hatch] DENOTES INACCESSIBLE SPACE
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA - AN UNCONDITIONED SPACE. PLATFORM UPPER LEVEL IS FOR LIRR MAINTENANCE ACCESS ONLY
 - ALL AREAS SHOWN AS NON-LIRR AT THIS LEVEL TO BE "DRY FLOOD-PROOFED" PER BC G106.4. ALL NON-LIRR AREAS FLOORS & ENCLOSING WALL TO BE DESIGNED TO WITHSTAND WATER PRESSURE FROM HYDROSTATIC & HYDRODYNAMIC WATER LOADS IMPOSED ASSUMING WATER HEIGHT TO BASE FLOOD ELEVATION.



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

| | | |
|-----------------------|-----------------------|-----------------------|
| SECTOR 9 SEE A-1_9 | SECTOR 6 SEE A-1_6 | SECTOR 3 SEE A-1_3 |
| SECTOR 8 SEE A-1_8 | SECTOR 5 SEE A-1_5 | SECTOR 2 SEE A-1_2 |
| SECTOR 7 SEE A-1_7 | SECTOR 4 SEE A-1_4 | SECTOR 1 SEE A-1_1 |

SEE SECTOR PLANS FOR ADDITIONAL INFORMATION. THESE PROVIDED FOR REFERENCE ONLY.

- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.

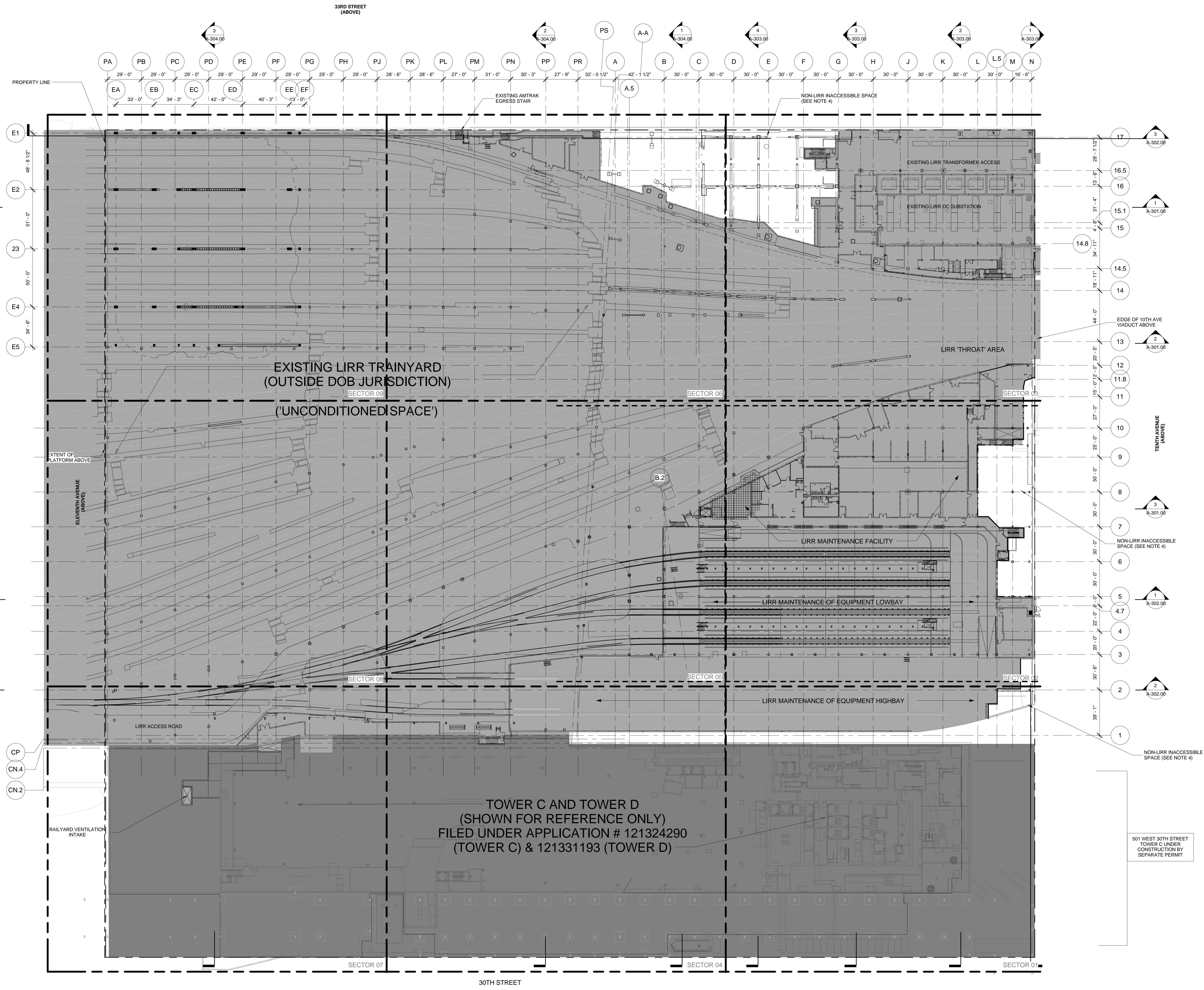
SYMBOL KEY

| | |
|--------------------|-------------------|
| [Solid line] | 1-HOUR RATED WALL |
| [Dashed line] | 2-HOUR RATED WALL |
| [Dotted line] | 3-HOUR RATED WALL |
| [Long dashed line] | TRAVEL DISTANCE |

| | | | |
|---------------|----------------|------------------|--|
| [Solid grey] | OCCUPANCY | [Dotted grey] | OCCUPANCY LOAD FACTOR (SQ. FT./PERSON) |
| [Cross-hatch] | AREA (SQ. FT.) | [Diagonal lines] | OCCUPANT LOAD (PERSONS) |

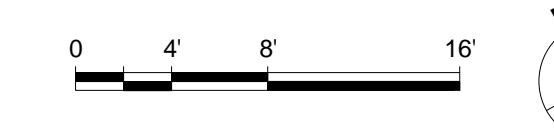
| | |
|------------------|--|
| [Diagonal lines] | LIRR JURISDICTION |
| [Cross-hatch] | FILED WITH DOB UNDER SEPARATE APPLICATION |
| [Dotted grey] | PLATFORM ROOF (MAINTENANCE ACCESS ONLY) |
| [Diagonal lines] | LIRR INTERSTITIAL SPACE (STRUCTURAL MAINTENANCE ACCESS ONLY) |

- NO RESIDENTIAL USES PROPOSED. NO OCCUPIABLE SPACES BENEATH BASE FLOOD ELEVATION DESIGNED AS PER ABFE 11'-4"



1 TRACK LEVEL OVERALL PLAN
SCALE: 1/32" = 1'-0"

Damian Titus
REGISTERED ARCHITECT
BUILDINGS
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY

Client
 Related Companies
 60 Columbus Circle
 New York, NY 10023
 TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
 320 Park Avenue, 17th Floor
 New York, NY 10022
 TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
 Fishman Construction Corporation
 100 Park Avenue, 50th Floor
 New York, NY 10017
 TEL: 212.708.3600

Architect
 Kohn Pedersen Fox Associates
 PC Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
 TEL: 212.977.6500 FAX: 212.956.2526

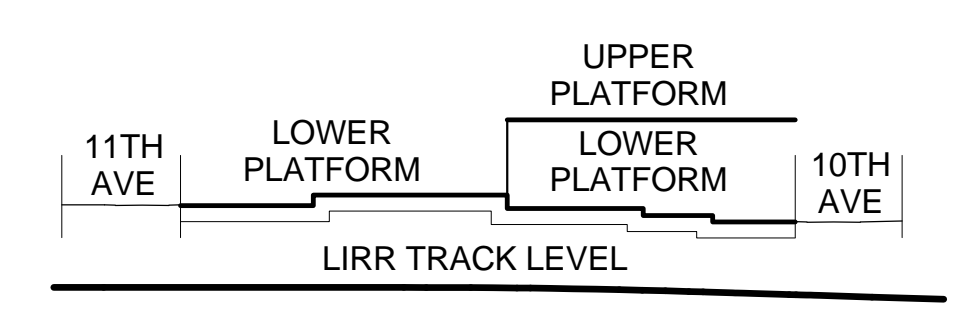
Structural Engineer
 Thornton Tomasetti, Inc.
 51 Madison Avenue
 New York, NY 10010
 TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
 TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
 Ove Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 212.896.3000

LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9500 FAX: 212.682.6172

- GENERAL NOTES**
- HATCHED AREA [Hatched Pattern] DENOTES PROPOSED LIRR AREA RESERVED FOR TRAIN YARD AND SUPPORTING FACILITIES INCLUDING MAINTENANCE OF EQUIPMENT, CONTROL TOWER, AND A/C & D/C SUBSTATION.
 - HATCHED AREA [Diagonal Pattern] DENOTES INACCESSIBLE SPACE
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA - AN UNCONDITIONED SPACE. PLATFORM UPPER LEVEL IS FOR LIRR MAINTENANCE ACCESS ONLY



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

| | | |
|-----------------------|-----------------------|-----------------------|
| SECTOR 9 SEE A-1_9 | SECTOR 6 SEE A-1_6 | SECTOR 3 SEE A-1_3 |
| SECTOR 8 SEE A-1_8 | SECTOR 5 SEE A-1_5 | SECTOR 2 SEE A-1_2 |
| SECTOR 7 SEE A-1_7 | SECTOR 4 SEE A-1_4 | SECTOR 1 SEE A-1_1 |

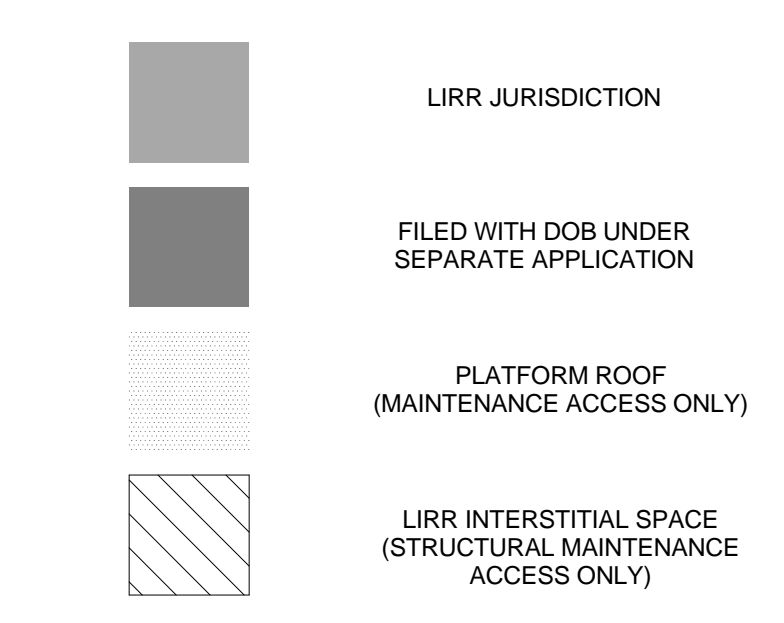
SEE SECTOR PLANS FOR ADDITIONAL INFORMATION. THESE PROVIDED FOR REFERENCE ONLY.

- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.

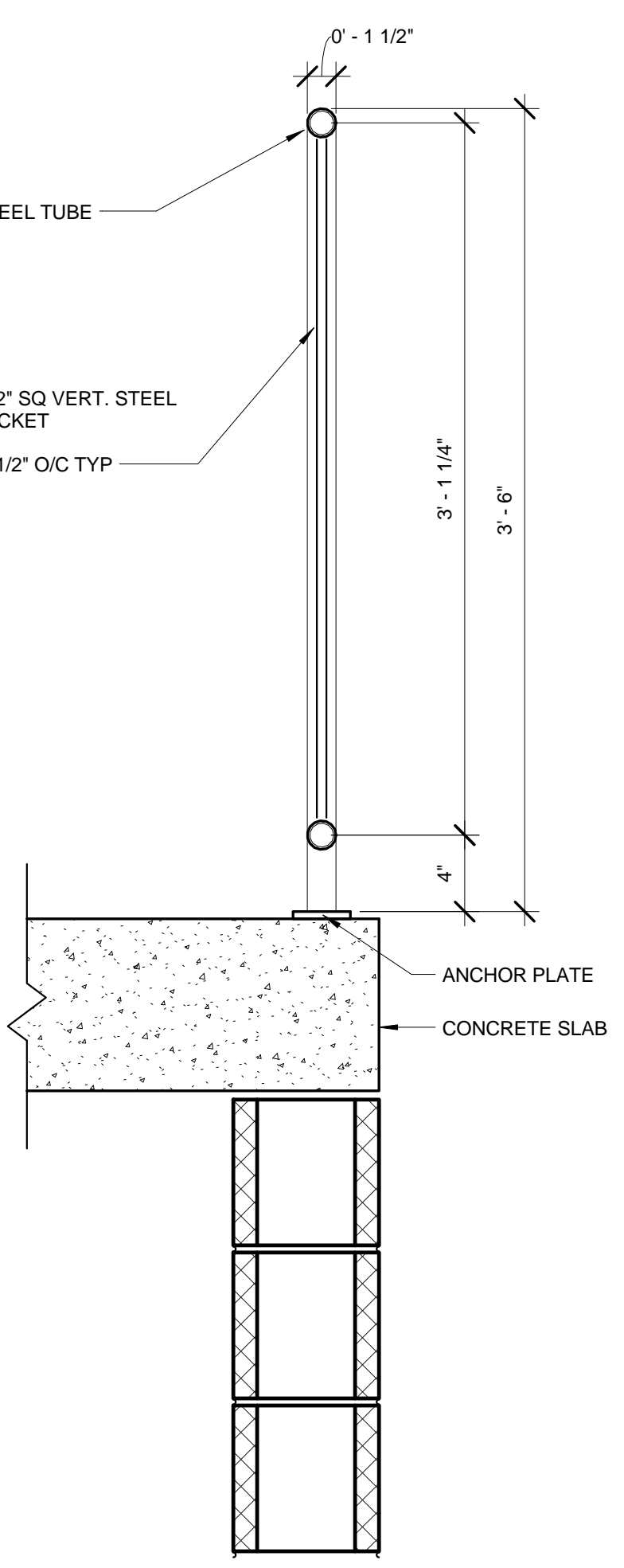
SYMBOL KEY

| | |
|-----------------|-------------------|
| [Solid Line] | 1-HOUR RATED WALL |
| [Dashed Line] | 2-HOUR RATED WALL |
| [Dotted Line] | 3-HOUR RATED WALL |
| [Dash-dot Line] | TRAVEL DISTANCE |

| | | |
|--------------------|----------------|--|
| [Hatched Area] | OCCUPANCY | OCCUPANCY LOAD FACTOR (SQ. FT./PERSON) |
| [Diagonal Pattern] | AREA (SQ. FT.) | OCCUPANT LOAD (PERSONS) |



- NO RESIDENTIAL USES PROPOSED. NO OCCUPIABLE SPACES BENEATH BASE FLOOD ELEVATION DESIGNED AS PER ABFE 11'-4"

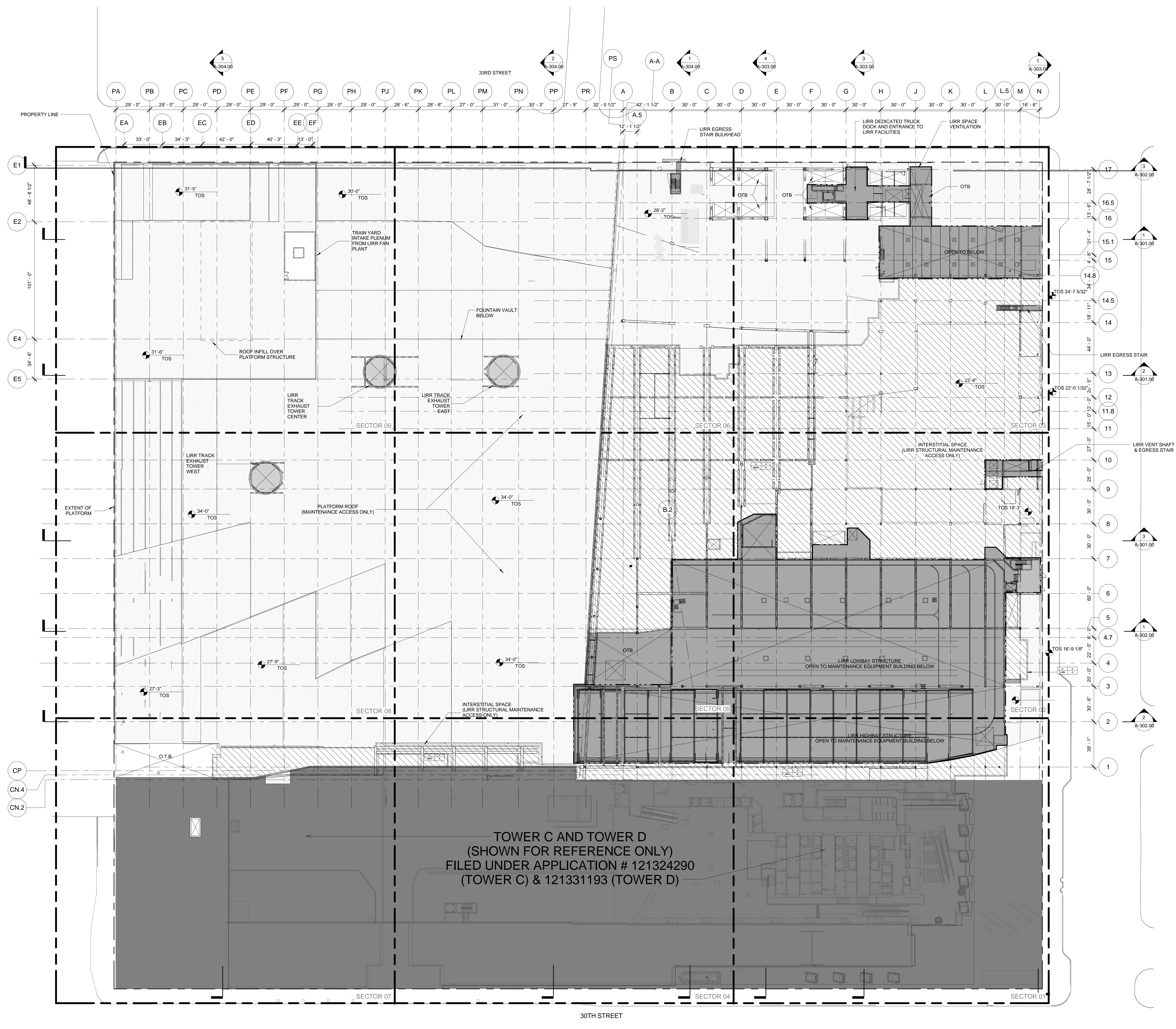


1 LOWER PLATFORM LEVEL OVERALL PLAN
 SCALE: 1/32" = 1'-0"

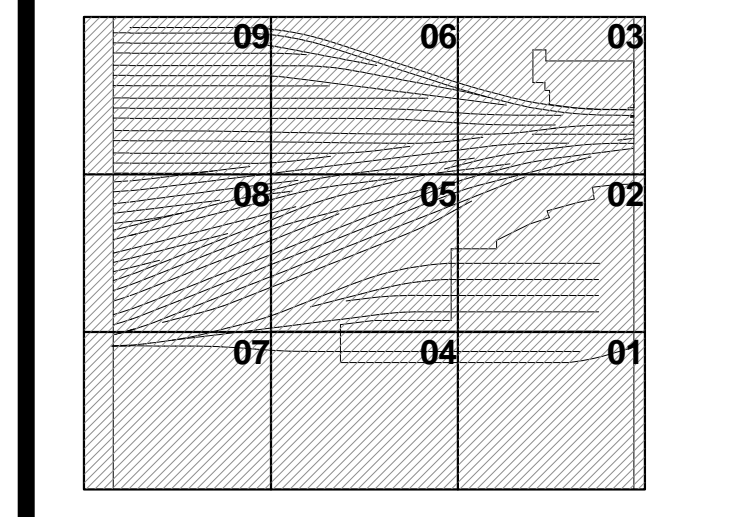
2 TYP. GUARDRAIL DETAIL
 SCALE: 1/16" = 1'-0"

Damian Titus
 REGISTERED ARCHITECT
 STATE OF NEW YORK

Buildings APPROVED
 Under Directive 3 of 1975
 Date: 05/14/2014
 NYC Development Hub



| | |
|--------------------------|------------|
| 4. DOB SUBMISSION UPDATE | 3/17/2014 |
| 3. DOB SUBMISSION UPDATE | 2/12/2014 |
| 2. DOB SUBMISSION | 10/18/2013 |
| 1. NYC DOB Filing | 6/12/2013 |

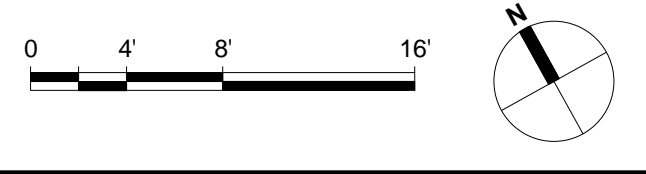


Date: 06/10/13
 Project No: 2138
 Drawing No: 0301
 Sheet Number: 03 of 03

HYE -PL -A-033.00

LOWER PLATFORM LEVEL OVERALL PLAN

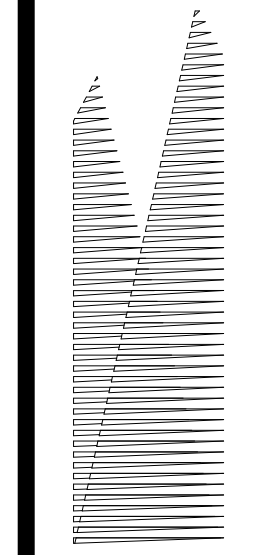
Drawing Title
A-033.00



- GENERAL NOTES**
- HATCHED AREA [Hatched] DENOTES PROPOSED LIRR AREA RESERVED FOR TRAIN YARD AND SUPPORTING FACILITIES INCLUDING MAINTENANCE OF EQUIPMENT, CONTROL TOWER, AND AC&S SUBSTATION.
 - HATCHED AREA [Diagonal Lines] DENOTES INACCESSIBLE SPACE
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA - AN UNCONDITIONED SPACE. PLATFORM UPPER LEVEL IS FOR LIRR MAINTENANCE ACCESS ONLY.

HUDSON YARDS - PLATFORM

Address:
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Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
TEL: 212.708.3600

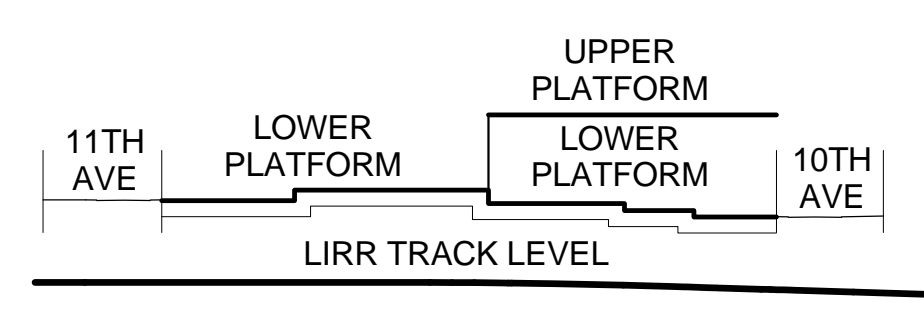
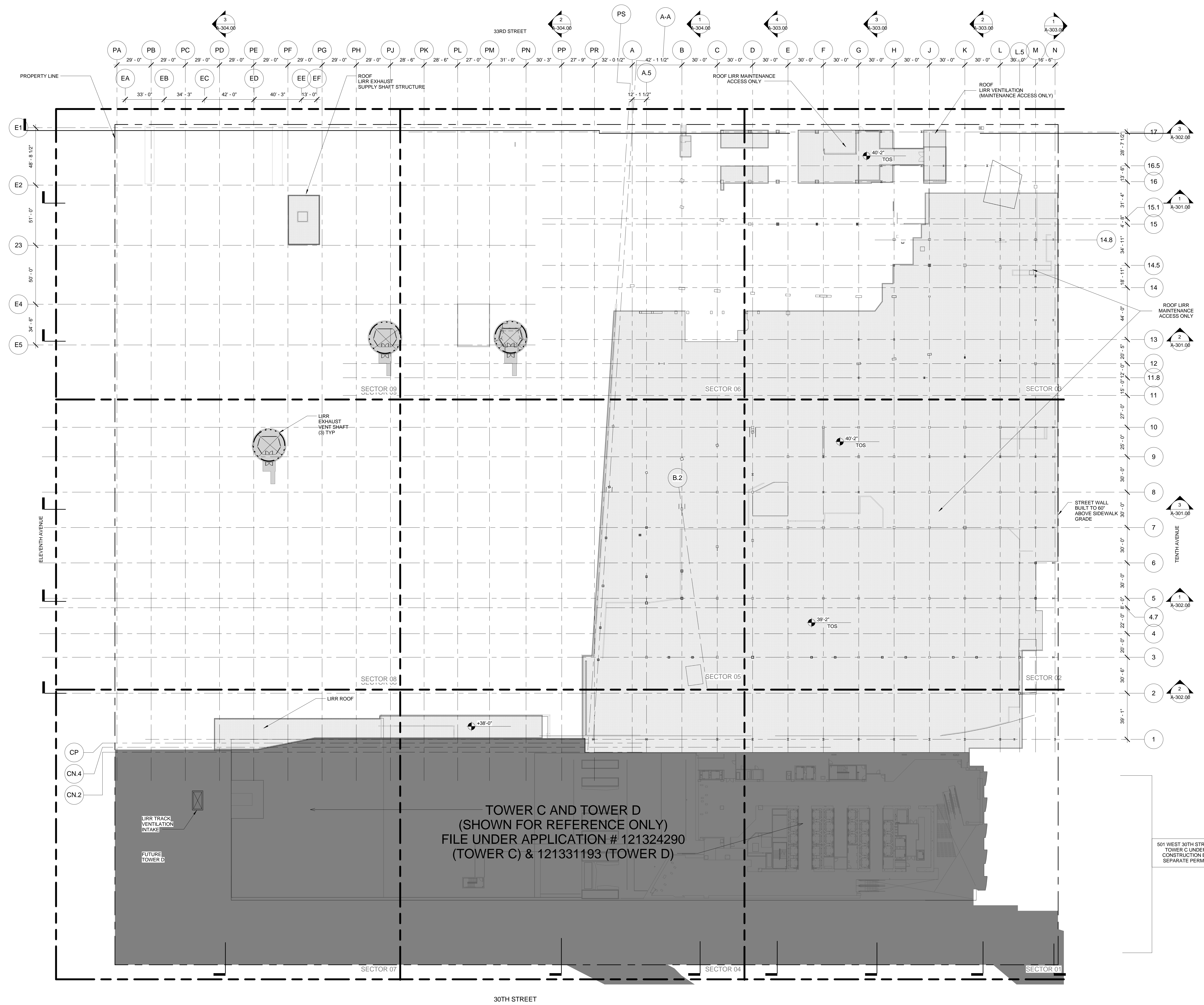
Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
New York, NY 10010
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LIRR Ventilation
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New York, NY 10005
212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9500 FAX: 212.682.6172



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

| | | |
|-----------------------|-----------------------|-----------------------|
| SECTOR 9 SEE A-1_9 | SECTOR 6 SEE A-1_6 | SECTOR 3 SEE A-1_3 |
| SECTOR 8 SEE A-1_8 | SECTOR 5 SEE A-1_5 | SECTOR 2 SEE A-1_2 |
| SECTOR 7 SEE A-1_7 | SECTOR 4 SEE A-1_4 | SECTOR 1 SEE A-1_1 |

SEE SECTOR PLANS FOR ADDITIONAL INFORMATION. THESE PROVIDED FOR REFERENCE ONLY.

- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.

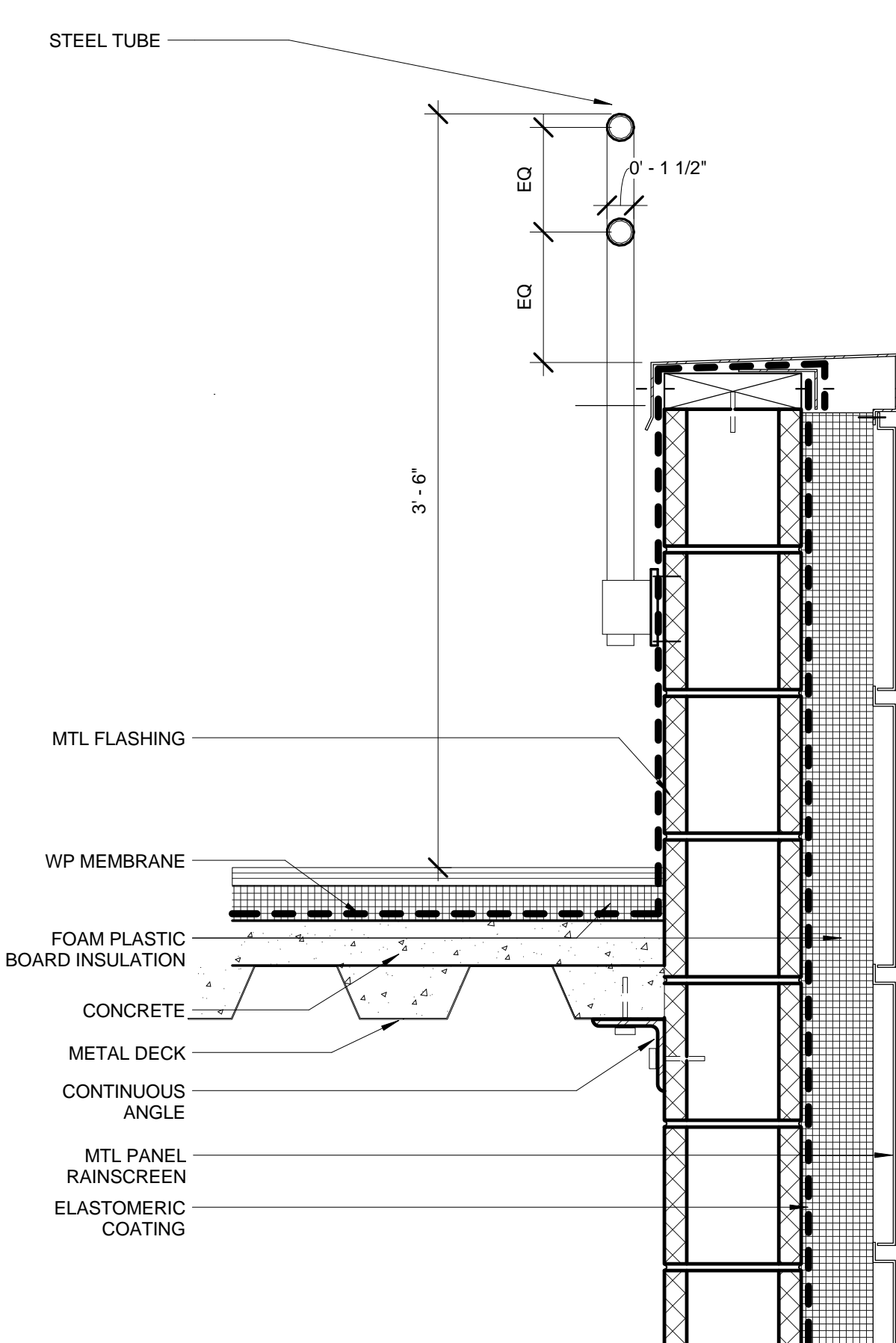
SYMBOL KEY

| | |
|-----------------|-------------------|
| [Solid Line] | 1-HOUR RATED WALL |
| [Dashed Line] | 2-HOUR RATED WALL |
| [Dotted Line] | 3-HOUR RATED WALL |
| [Dash-dot Line] | TRAVEL DISTANCE |

| OCCUPANCY | OCCUPANCY LOAD FACTOR (SQ. FT./PERSON) |
|----------------|--|
| AREA (SQ. FT.) | OCCUPANT LOAD (PERSONS) |

| | |
|------------------|--|
| [Hatched] | LIRR JURISDICTION |
| [Diagonal Lines] | FILED WITH DOB UNDER SEPARATE APPLICATION |
| [Stippled] | PLATFORM ROOF (MAINTENANCE ACCESS ONLY) |
| [Cross-hatched] | LIRR INTERSTITIAL SPACE (STRUCTURAL MAINTENANCE ACCESS ONLY) |

- NO RESIDENTIAL USES PROPOSED. NO OCCUPIABLE SPACES BENEATH BASE FLOOD ELEVATION DESIGNED AS PER ABFE 11-4"

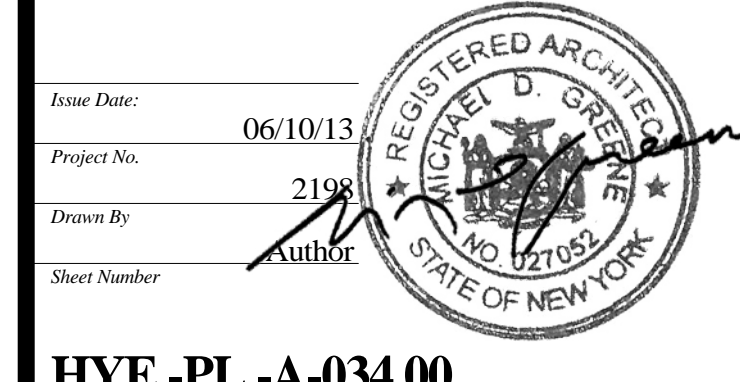
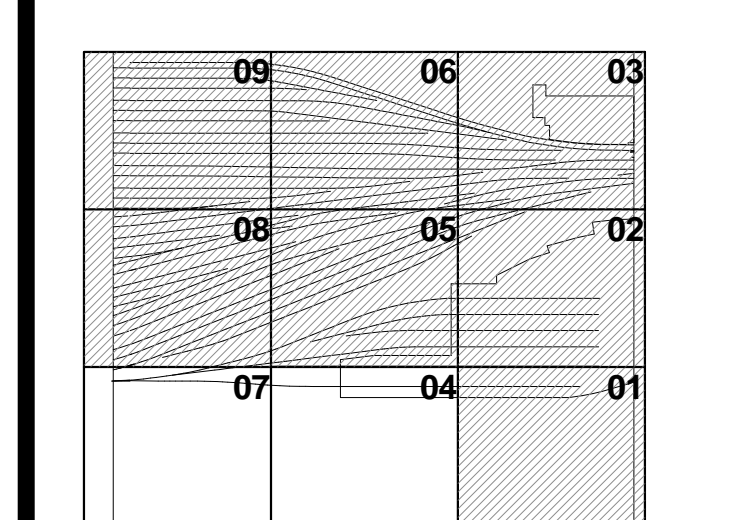


1 UPPER PLATFORM (ROOF) LEVEL OVERALL PLAN
SCALE: 1/32" = 1'-0"

2 TYP. ROOF PARAPET/GUARDRAIL DETAIL
SCALE: 1/12" = 1'-0"



| | | |
|-----|-----------------------|------------|
| 4 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 3 | DOB SUBMISSION UPDATE | 2/12/2014 |
| 2 | DOB SUBMISSION | 10/18/2013 |
| 1 | NYC DOB FILING | 6/17/2013 |
| No. | Description | Date |



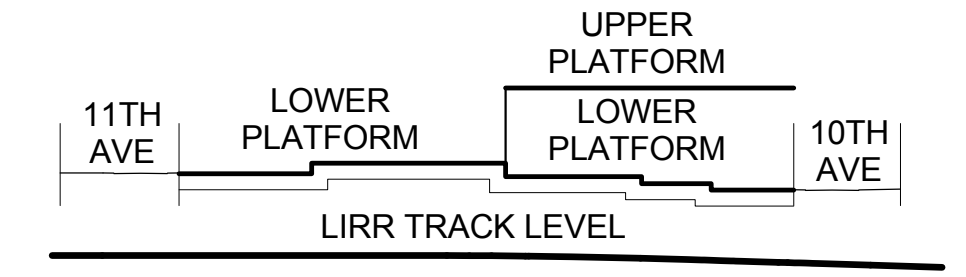
HYE -PL -A-034.00

UPPER PLATFORM LEVEL OVERALL PLAN (ROOF)

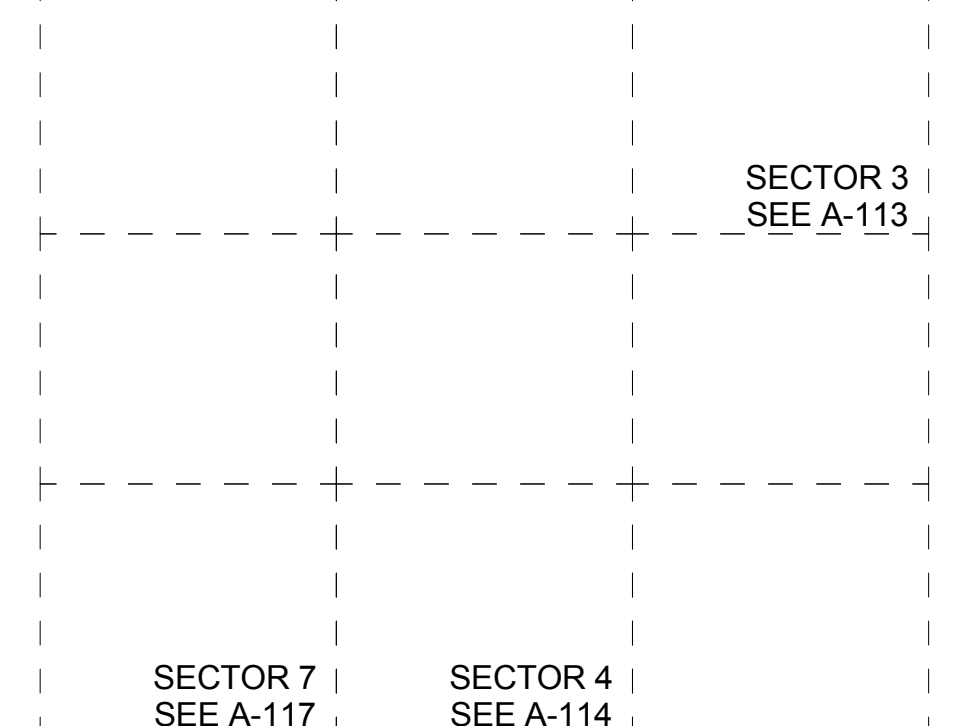
Drawing Title
A-034.00



- GENERAL NOTES**
- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA
 - HATCHED AREA DENOTES MOE/AC SUBSTATION CONTROL TOWER LAYOUT PER LIRR WORKING GROUP MEETINGS SEE A-800 SERIES FOR DOCUMENTATION
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE



SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

- LIRR EXISTING UTILITIES SHOWN FOR INFORMATION. EXISTING UTILITIES BASED ON AS-BUILT DRAWINGS DATED 1982. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.

SYMBOL KEY

| | |
|--|-------------------|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |

Client
Related Companies
60 Columbus Circle
New York, NY 10022
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
TEL: 212.708.3600

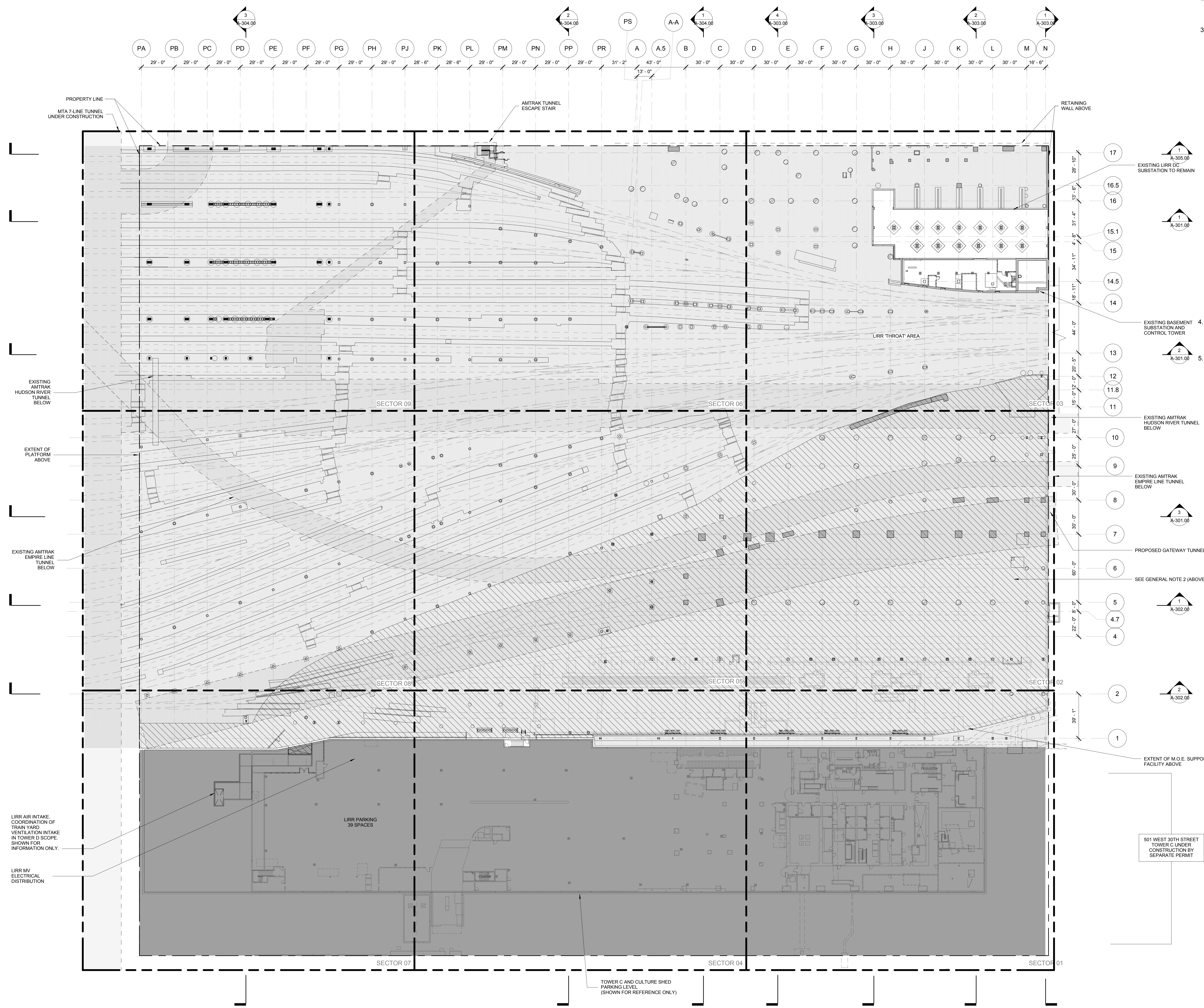
Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

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Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

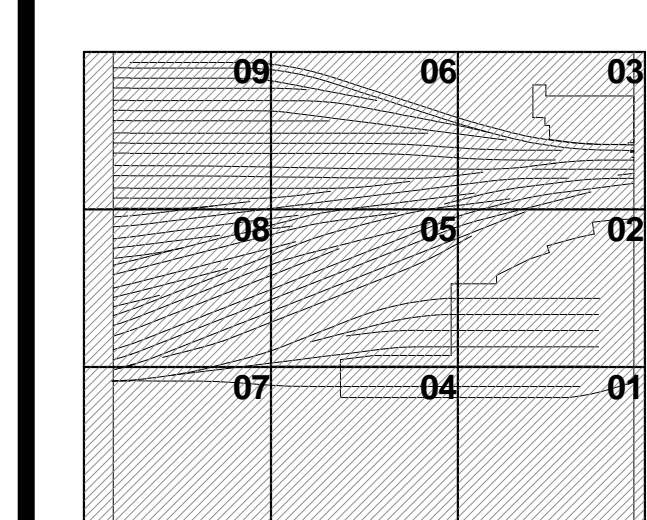
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation
ALECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172



1 UTILITY LEVEL OVERALL PLAN EL. ± 1'-0"
SCALE: 1/32" = 1'-0"

| | | |
|---|---|------------|
| 9 | DOB SUBMISSION | 10/18/2013 |
| 8 | L.I.R.R. - 100% MOE-PLATFORM SUBMISSION | 11/22/2013 |
| 7 | L.I.R.R. - 90% MOE SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% MOE SUBMISSION | 7/12/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% MOE SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0 | Description | Date |

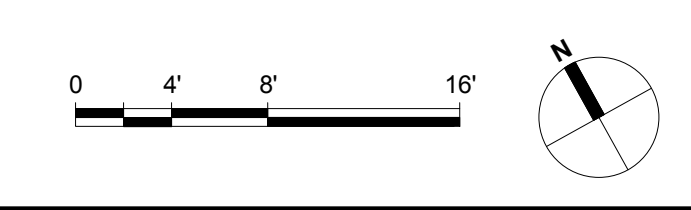


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Project No: 219
Drawing No: 1
Sheet Number: 1
Drawing Title: **HYE-PL-A-101.00**

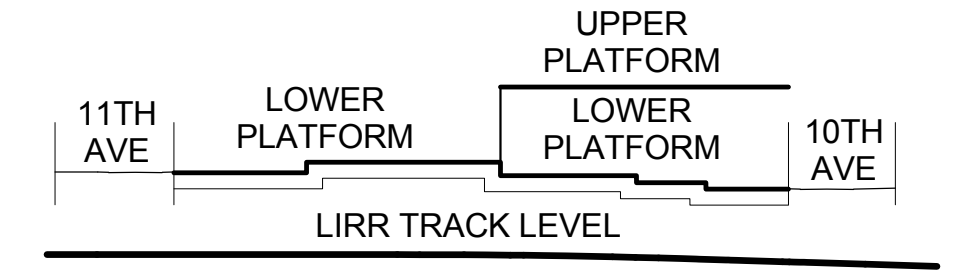
UTILITY LEVEL OVERALL PLAN

Sheet Number: **A-101.00**

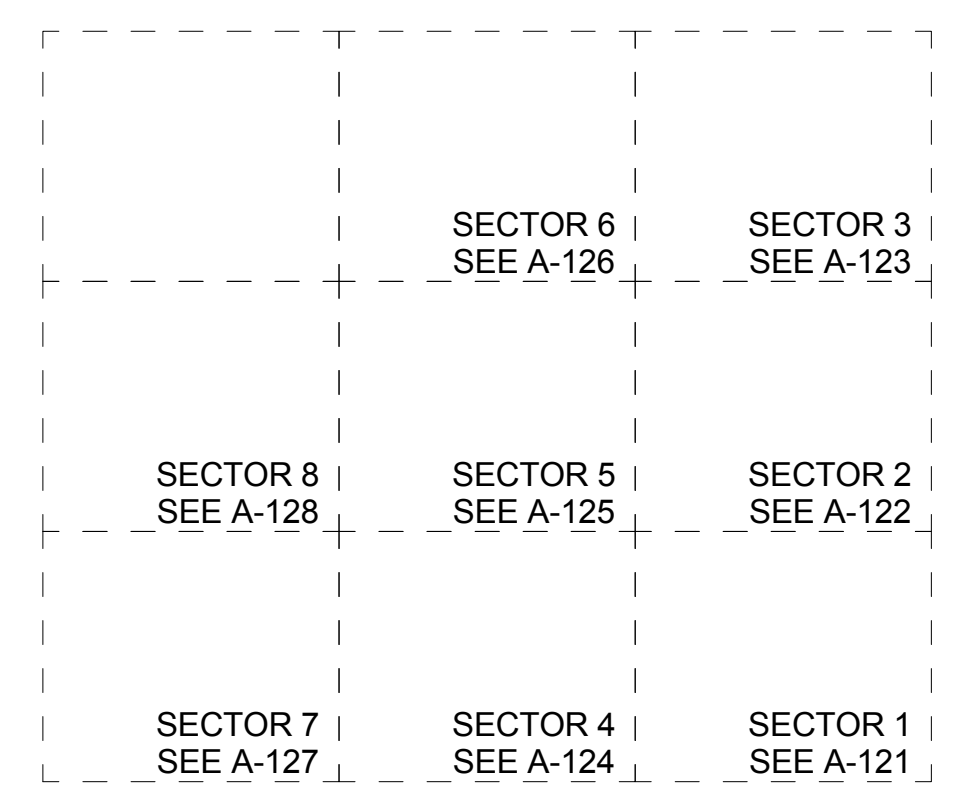
Damian Titus
REGISTERED ARCHITECT
STATE OF NEW YORK
Approved Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



- GENERAL NOTES**
- HATCHED AREA [Hatched Pattern] DENOTES PROPOSED NON-LIRR AREA
 - HATCHED AREA [Diagonal Pattern] DENOTES MOE/AC SUBSTATION CONTROL TOWER LAYOUT PER LIRR WORKING GROUP MEETINGS (THIS IS SHOWN IN ARCH. SERIES ONLY) SEE A-800 SERIES FOR DOCUMENTATION
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE



SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

Client
Related Companies
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Construction Manager
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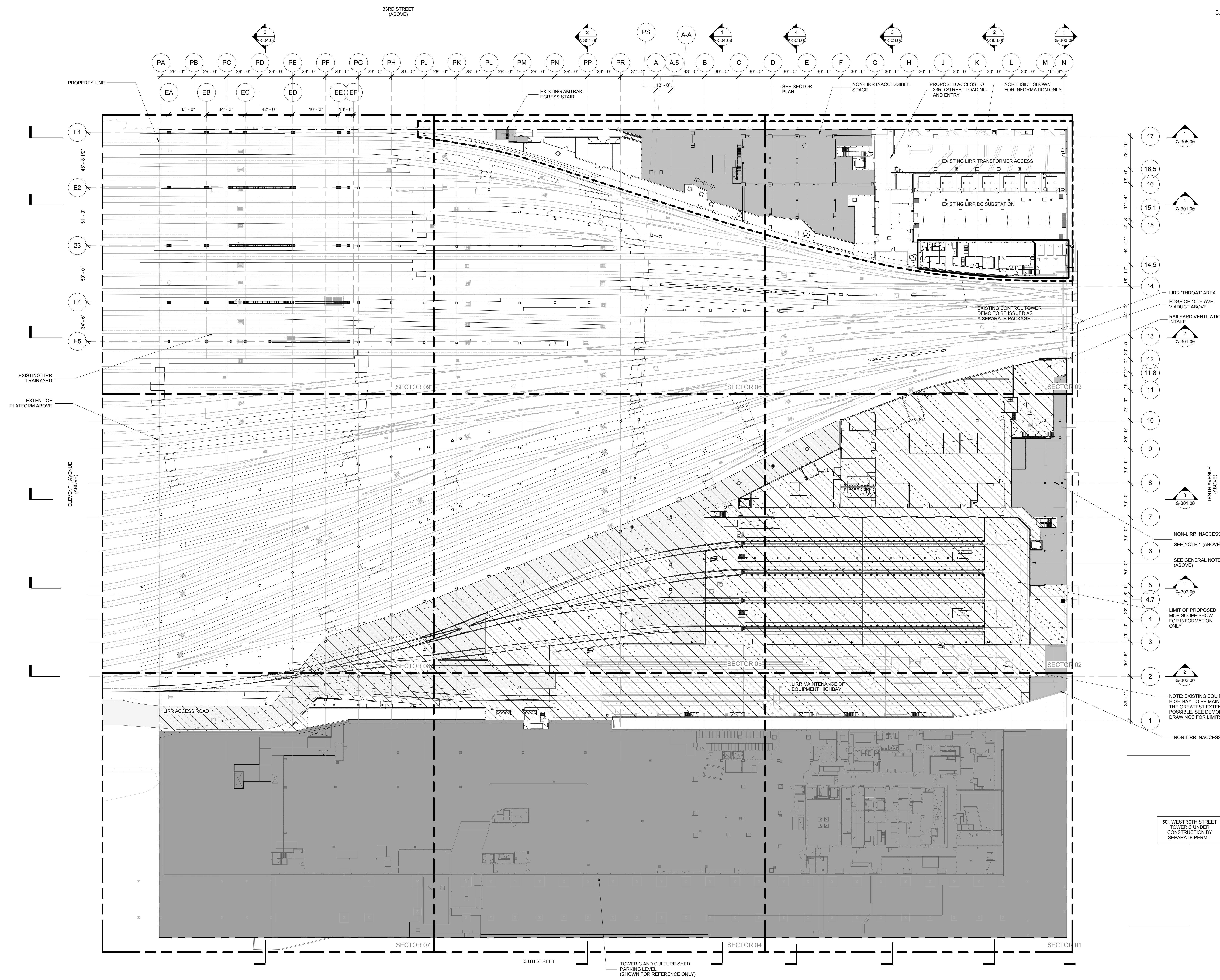
Architect
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PC Architects & Planning Consultants
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New York, NY 10005
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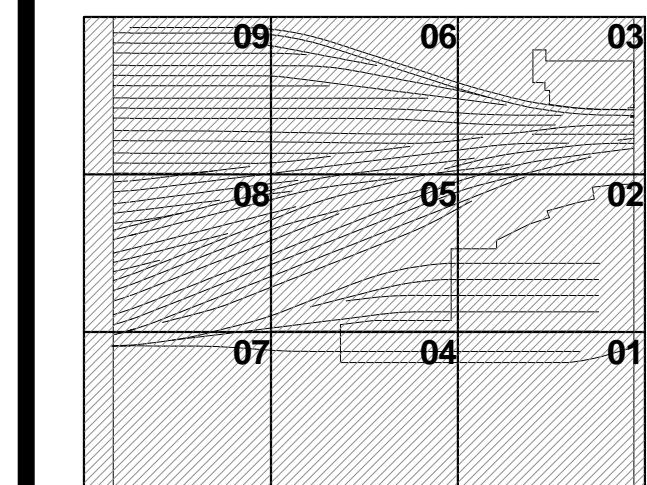
LIRR Ventilation
Ove Arup & Partners P.C.
77 West Street
New York, NY 10005
212.896.3000

LIRR Substation
ARCION
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New York, NY 10158
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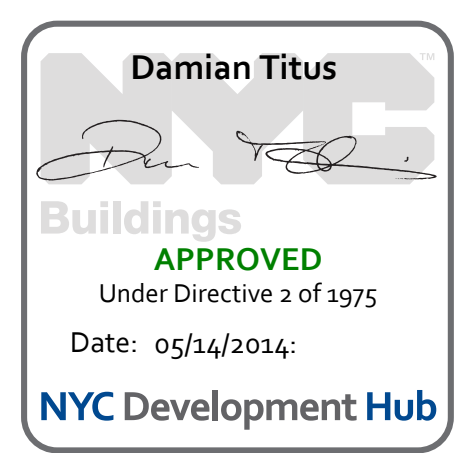


- 17 A-305.00
- 16.5 A-305.00
- 16 A-301.00
- 15.1 A-301.00
- 15 A-301.00
- 14.5 A-301.00
- 14 LIRR THROAT AREA EDGE OF 10TH AVE VIADUCT ABOVE
- 13 RAILYARD VENTILATION INTAKE
- 12 A-301.00
- 11.8 A-301.00
- 11 A-301.00
- 10 A-301.00
- 9 A-301.00
- 8 A-301.00
- 7 A-301.00
- 6 NON-LIRR INACCESSIBLE SPACE SEE NOTE 1 (ABOVE)
- 5 SEE GENERAL NOTE 2 (ABOVE)
- 4.7 A-302.00
- 4 LIMIT OF PROPOSED MOE SCOPE SHOW FOR INFORMATION ONLY
- 3 A-302.00
- 2 A-302.00
- 1 NOTE: EXISTING EQUIPMENT IN HIGHWAY TO BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE. SEE DEMOLITION DRAWINGS FOR LIMITS OF WORK.
- NON-LIRR INACCESSIBLE SPACE

| No. | Description | Date |
|-----|-------------------------------|------------|
| 3 | DOB SUBMISSION | 10/18/2013 |
| 4 | L.I.R.R. - 100% M&E-PLATFORM | 11/22/2013 |
| 5 | L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 7 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 8 | L.I.R.R. - 60% M&E SUBMISSION | 6/17/2013 |
| 9 | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 10 | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 11 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 12 | Description | Date |



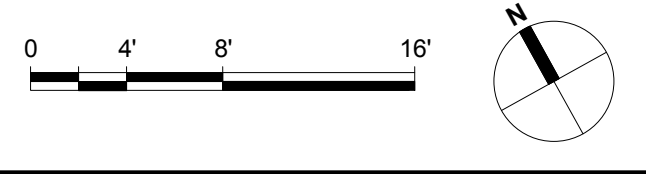
1 TRACK LEVEL OVERALL PLAN EL. ± 10'-0"
SCALE: 1/32" = 1'-0"



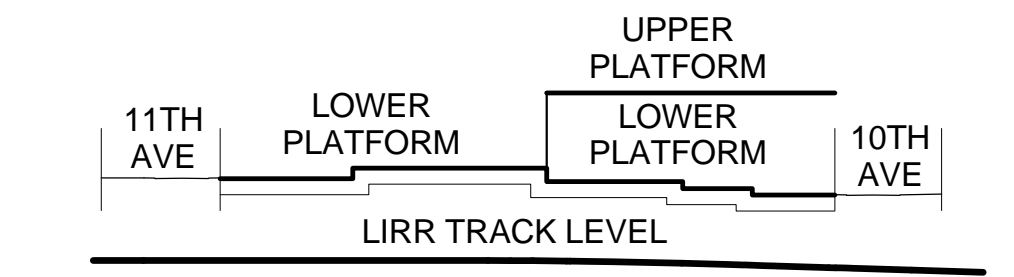
Date: 02/15/13
Project No: 2119
Sheet Number:
Drawing Title:
HYE-PL-A-102.00

TRACK LEVEL OVERALL PLAN

Sheet Number:
A-102.00



- GENERAL NOTES**
- HATCHED AREA [Hatched Pattern] DENOTES PROPOSED NON-LIRR AREA
 - HATCHED AREA [Hatched Pattern] DENOTES MOE/AC SUBSTATION CONTROL TOWER LAYOUT PER LIRR WORKING GROUP MEETINGS (THIS IS SHOWN IN ARCH. SERIES ONLY) SEE A-800 SERIES FOR DOCUMENTATION
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SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

| | | |
|-----------------------|-----------------------|-----------------------|
| SECTOR 9 SEE A-139 | SECTOR 6 SEE A-136 | SECTOR 3 SEE A-133 |
| SECTOR 8 SEE A-138 | SECTOR 5 SEE A-135 | SECTOR 2 SEE A-132 |
| SECTOR 7 SEE A-137 | SECTOR 4 SEE A-134 | SECTOR 1 SEE A-131 |

SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 50th Floor
New York, NY 10017
TEL: 212.708.3600

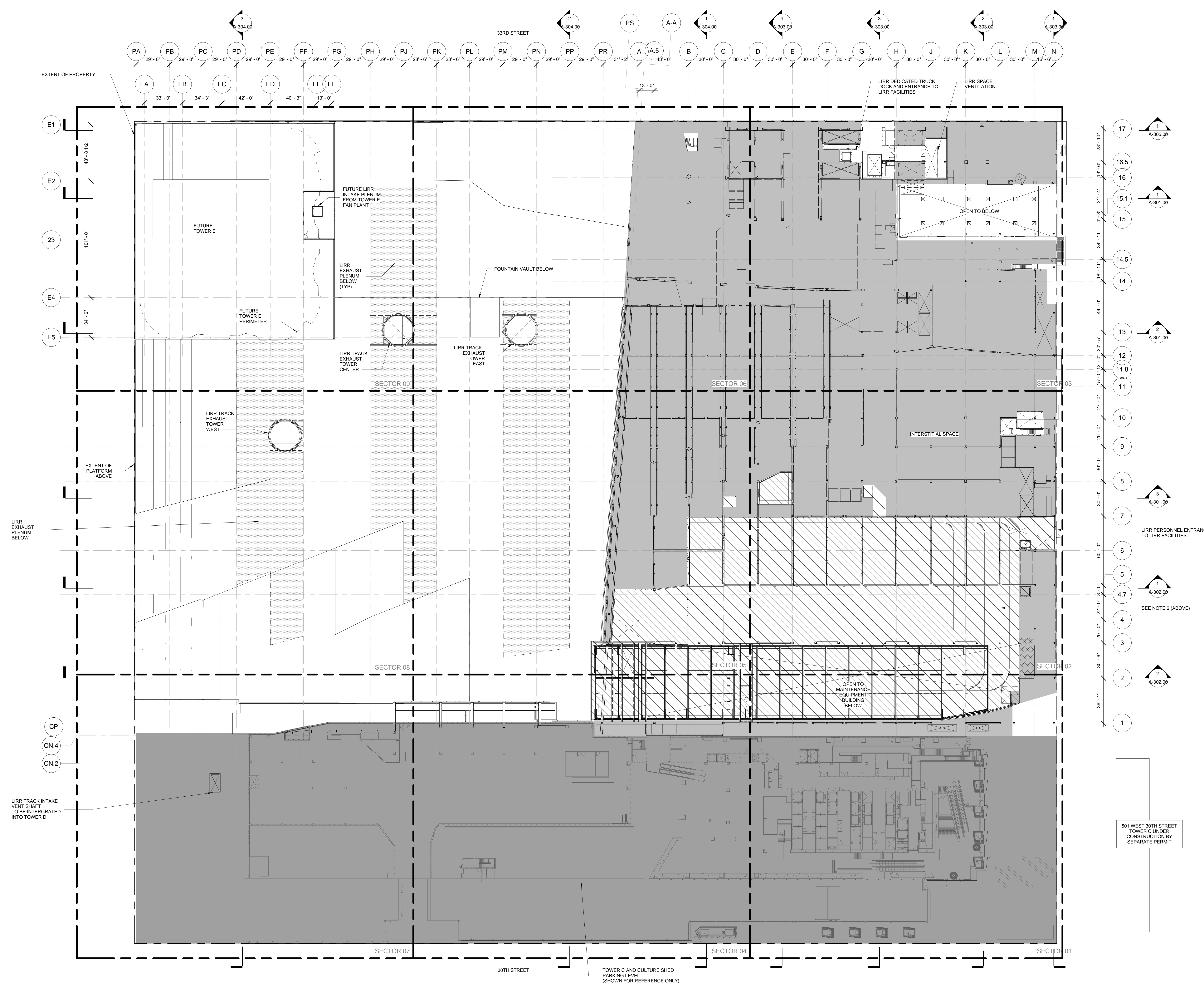
Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

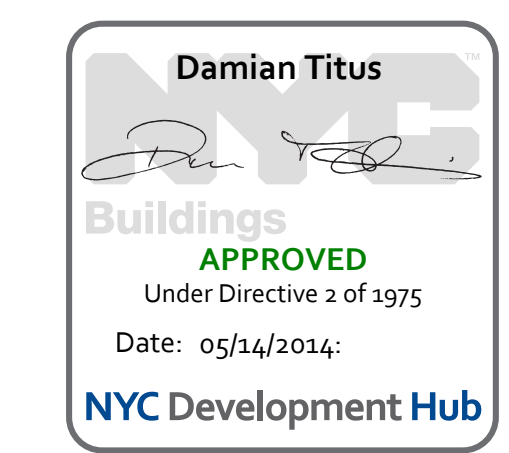
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 West Street
New York, NY 10005
212.896.3000

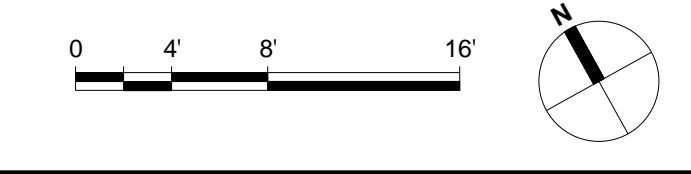
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172



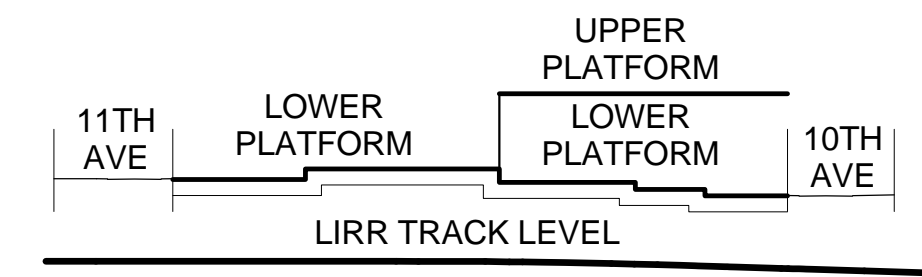
1 LOWER PLATFORM LEVEL OVERALL PLAN EL. ± 35'-0"
SCALE: 1/32" = 1'-0"



Date: 02/15/13
Project No: 219
Drawing No: 103.00
Sheet Number: 103.00
Drawing Title: HYE - PL - A-103.00
LOWER PLATFORM LEVEL OVERALL PLAN
Drawing Number: A-103.00



- GENERAL NOTES**
- HATCHED AREA [Hatched Box] DENOTES PROPOSED NON-LIRR AREA
 - HATCHED AREA [Hatched Box] DENOTES MOE/AC SUBSTATION CONTROL TOWER LAYOUT PER LIRR WORKING GROUP MEETINGS (THIS IS SHOWN IN ARCH. SERIES ONLY) SEE A-800 SERIES FOR DOCUMENTATION
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED UPPER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:

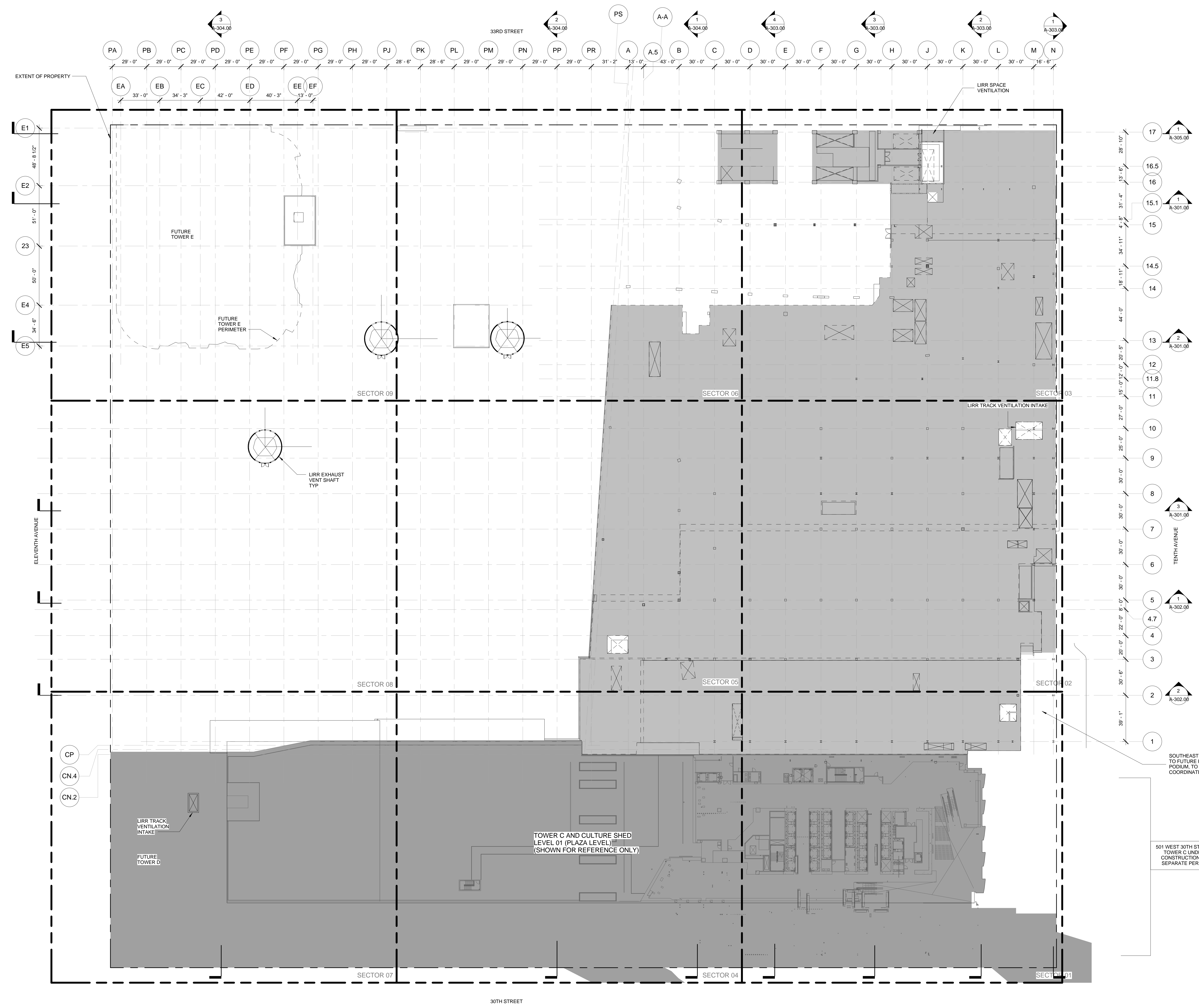


SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

| | | |
|-----------------------|-----------------------|-----------------------|
| SECTOR 9 SEE A-149 | SECTOR 6 SEE A-146 | SECTOR 3 SEE A-143 |
| SECTOR 8 SEE A-148 | SECTOR 5 SEE A-145 | SECTOR 2 SEE A-142 |
| SECTOR 7 SEE A-147 | SECTOR 4 SEE A-144 | SECTOR 1 SEE A-131 |

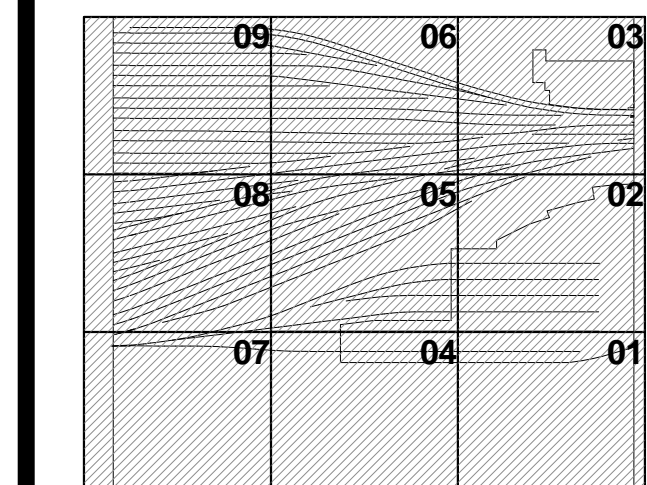
SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

- Client*
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048
- Client*
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510
- Construction Manager*
Tishman Construction Corporation
100 Park Avenue, 50th Floor
New York, NY 10017
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- Architect*
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212.896.3000
- LIRR Substation*
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

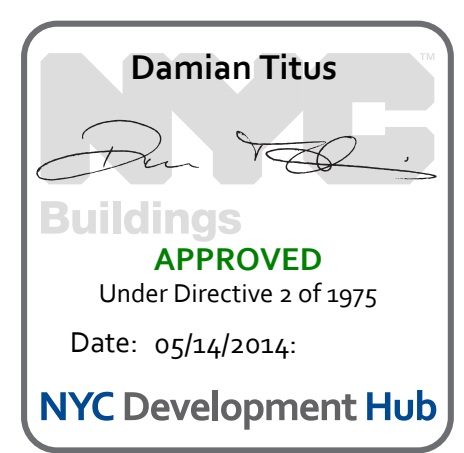


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| 6. | DOB SUBMISSION | 10/18/2013 |
| 5. | L.I.R.R. - 100% M&P PLATFORM | 11/22/2013 |
| 4. | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 3. | NYC DOB Filing | 6/17/2013 |
| 2. | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 1. | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0. | Description | Date |

See Plan



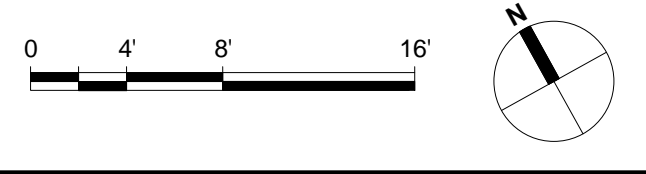
1 UPPER PLATFORM LEVEL OVERALL PLANS
SCALE: 1/32" = 1'-0"



Date: 02/15/13
Project No: 219
Drawing No: 104.00
Sheet Number: 104.00

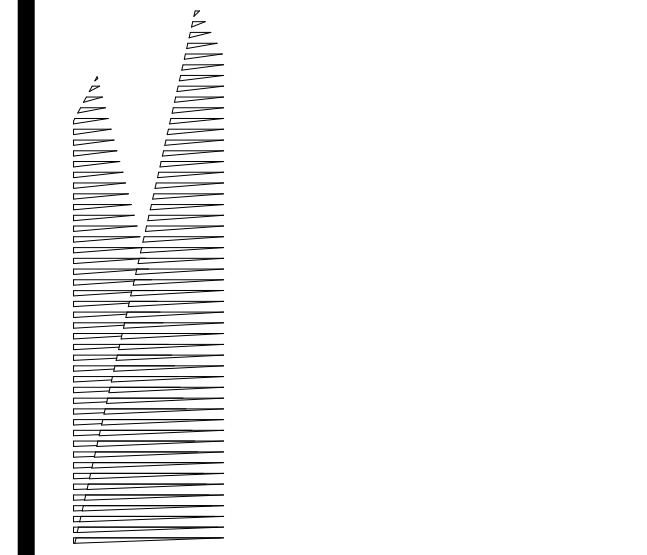
HYE -PL -A-104.00
UPPER PLATFORM LEVEL OVERALL PLAN

Drawing Title
A-104.00



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY



Client
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 60 Columbus Circle
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 TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
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Construction Manager
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 New York, NY 10017
 TEL: 212.708.3600

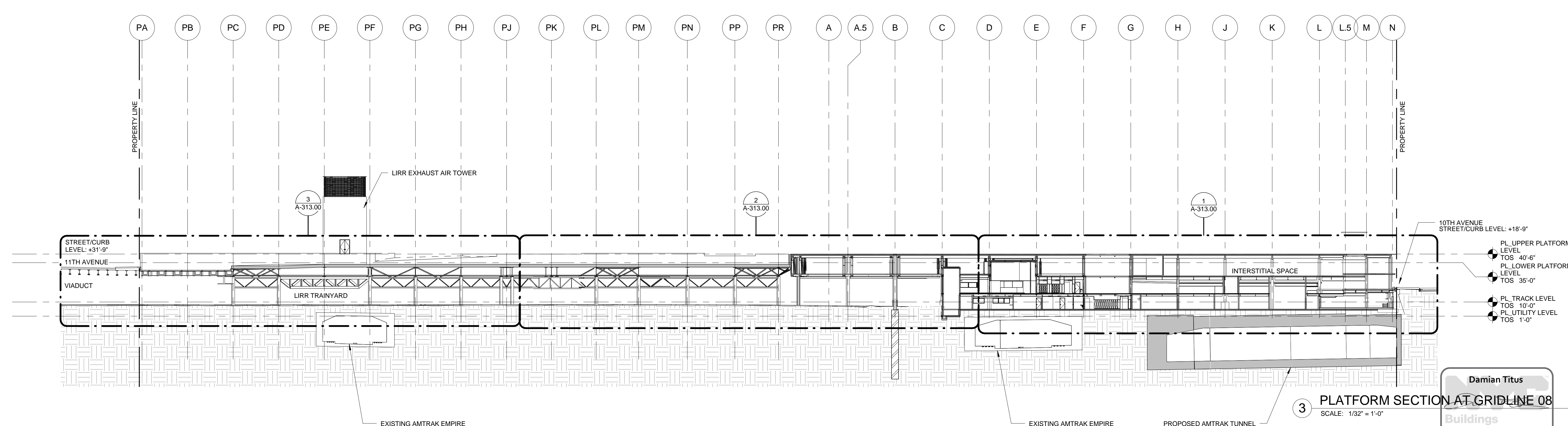
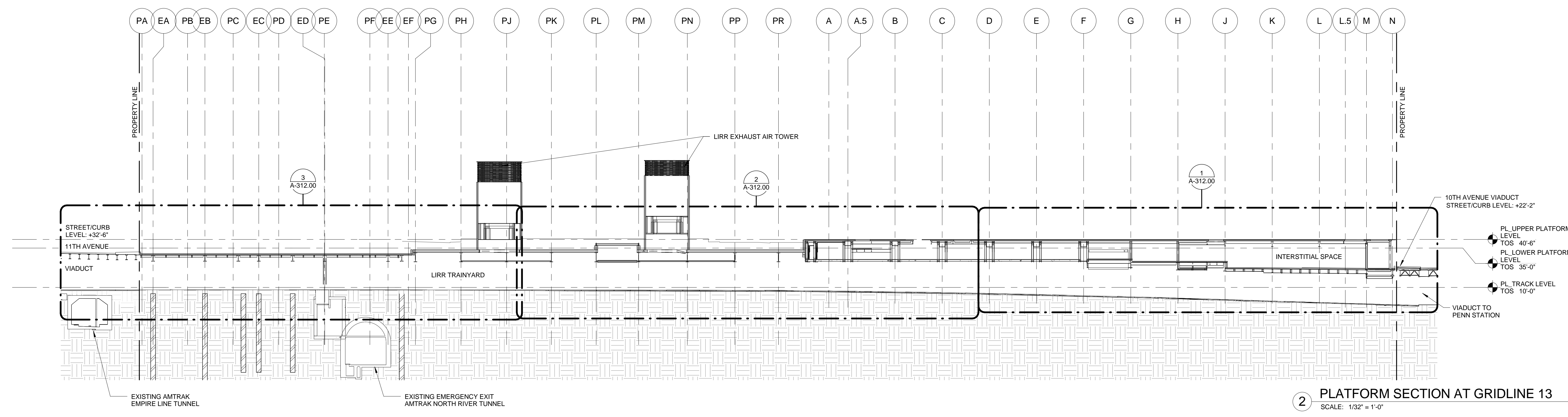
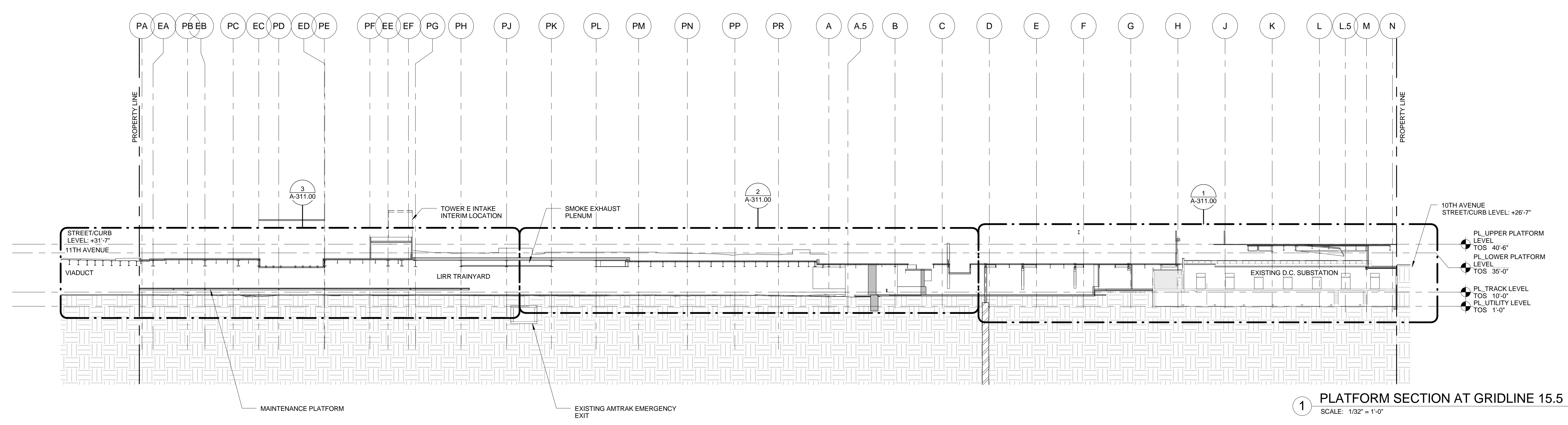
Architect
 Kohn Pedersen Fox Associates
 PC Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
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Structural Engineer
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 51 Madison Avenue
 New York, NY 10010
 TEL: 917.661.7800 FAX: 917.661.7801

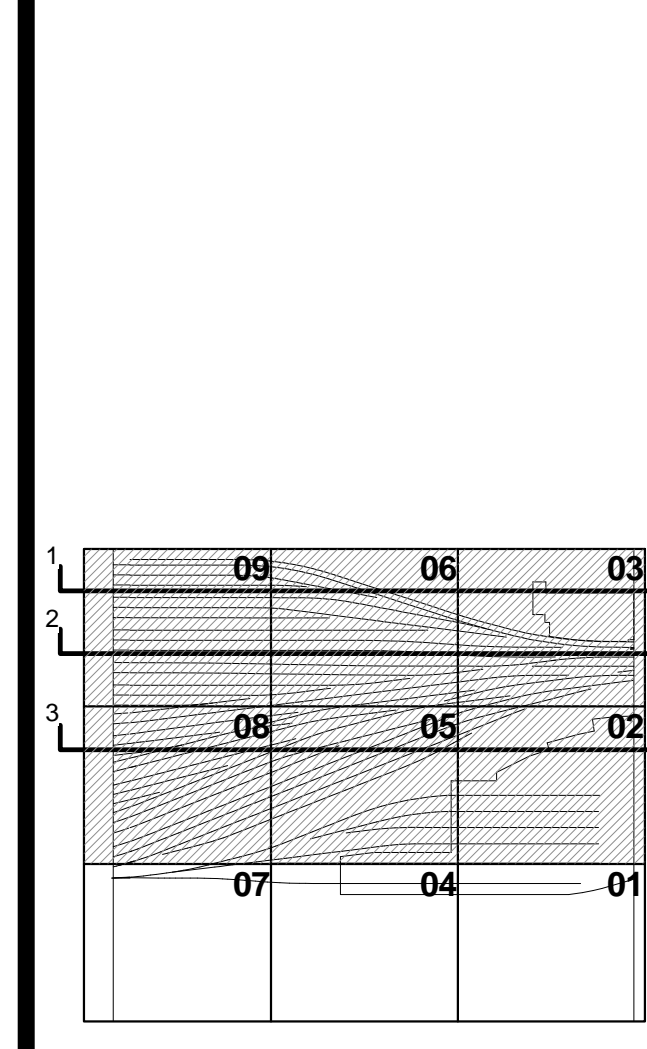
Mechanical, Electrical, Plumbing, Fire Protection
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
 TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
 Ove Arup & Partners P.C.
 77 West Street
 New York, NY 10005
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LIRR Substation
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| | | |
|----|-------------------------------|------------|
| 11 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 10 | DOB SUBMISSION UPDATE | 2/12/2014 |
| 9 | L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 8 | DOB SUBMISSION | 10/18/2013 |
| 7 | L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0 | Description | Date |

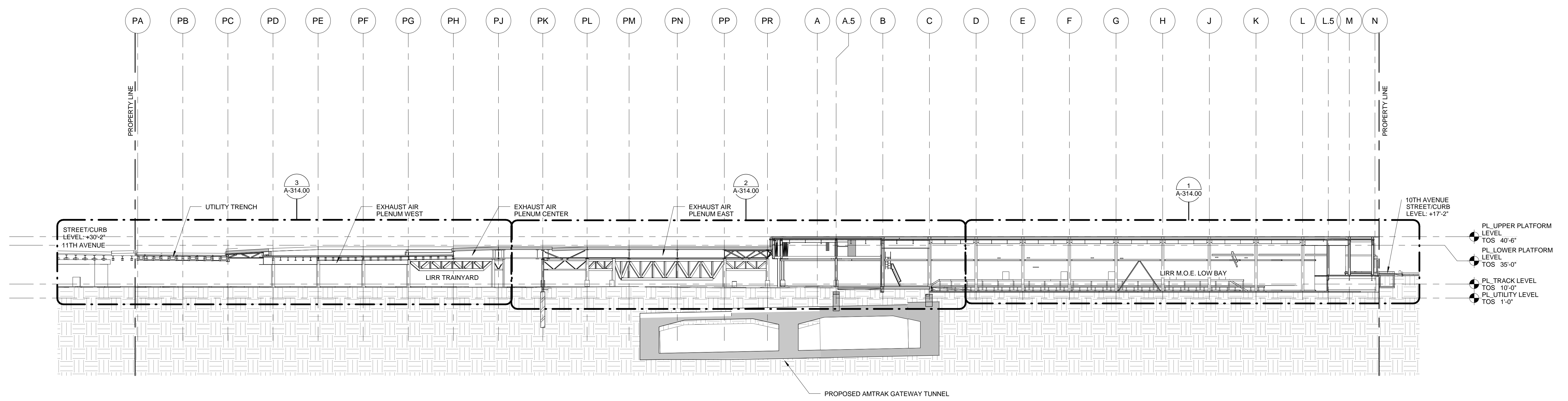


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 Sheet Number: [Signature]

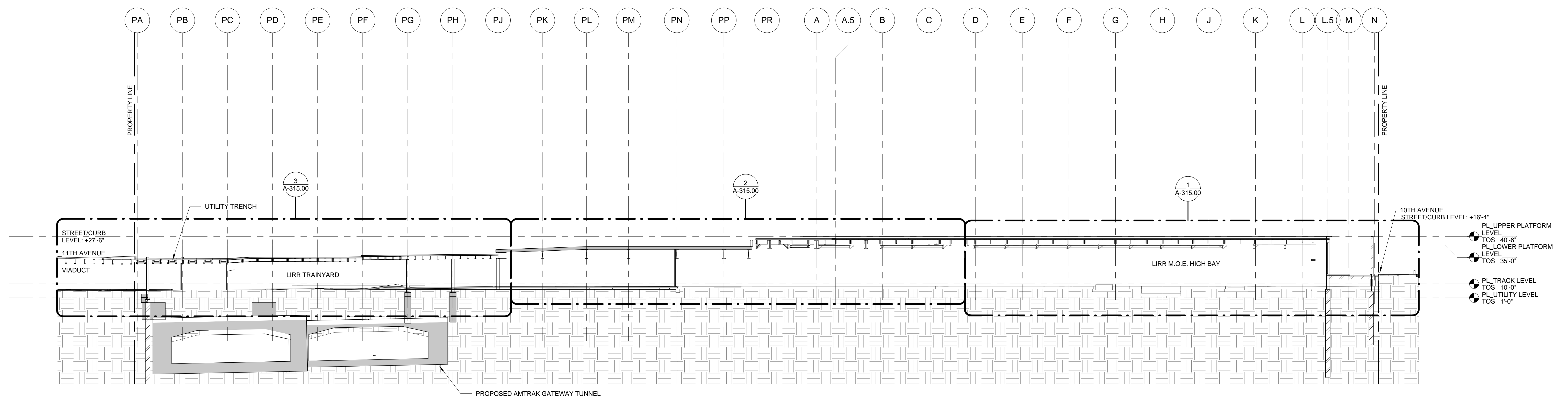
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 Under Directive 3 of 1975
 Date: 05/14/2014
 NYC Development Hub

Overall E/W Sections
A-301.00

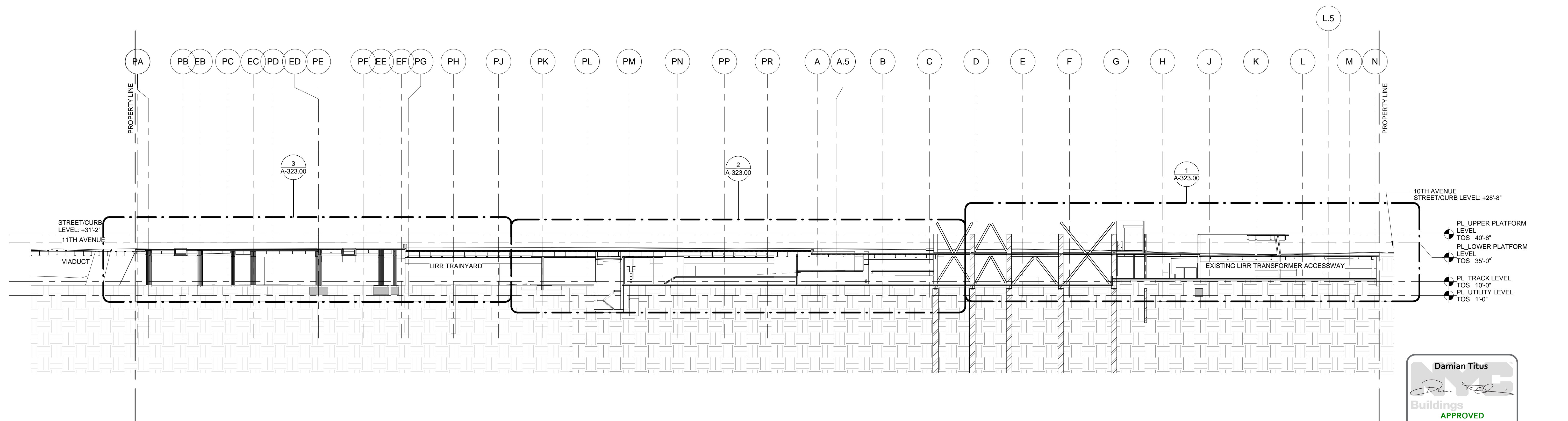




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SCALE: 1/32" = 1'-0"



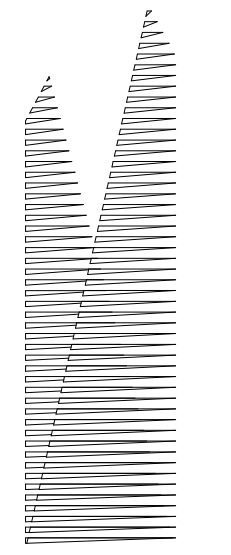
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SCALE: 1/32" = 1'-0"



3 PLATFORM SECTION AT GRIDLINE 04
SCALE: 1/32" = 1'-0"

HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
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Construction Manager
Fishman Construction Corporation
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Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

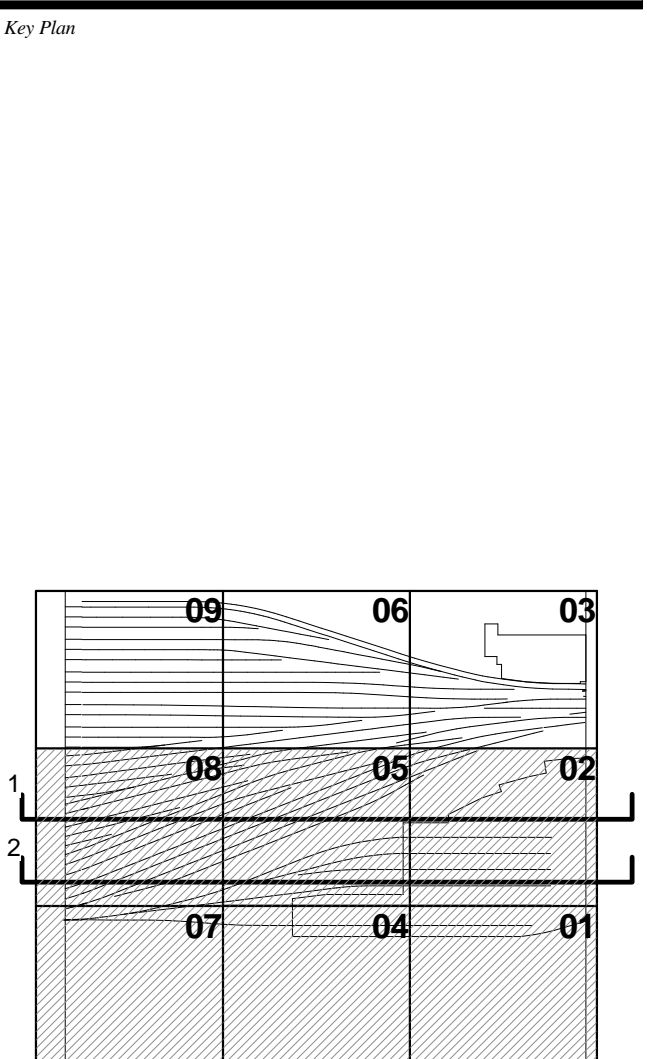
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
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New York, NY 10005
212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9200 FAX: 212.682.6172

| | | |
|----|-------------------------------|------------|
| 11 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 10 | DOB SUBMISSION UPDATE | 2/12/2014 |
| 9 | L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 8 | DOB SUBMISSION | 10/18/2013 |
| 7 | L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0 | Description | Date |

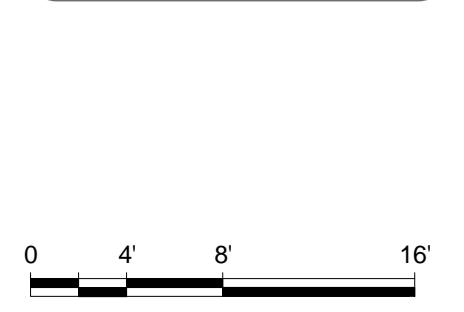
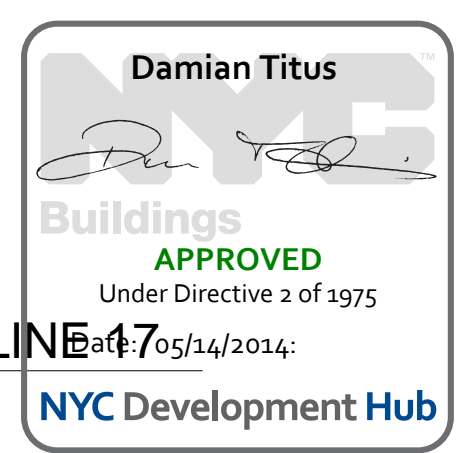


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Sheet Number: 1

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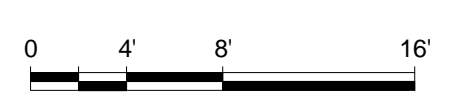
OVERALL E/W SECTIONS

Drawing Title
A-302.00

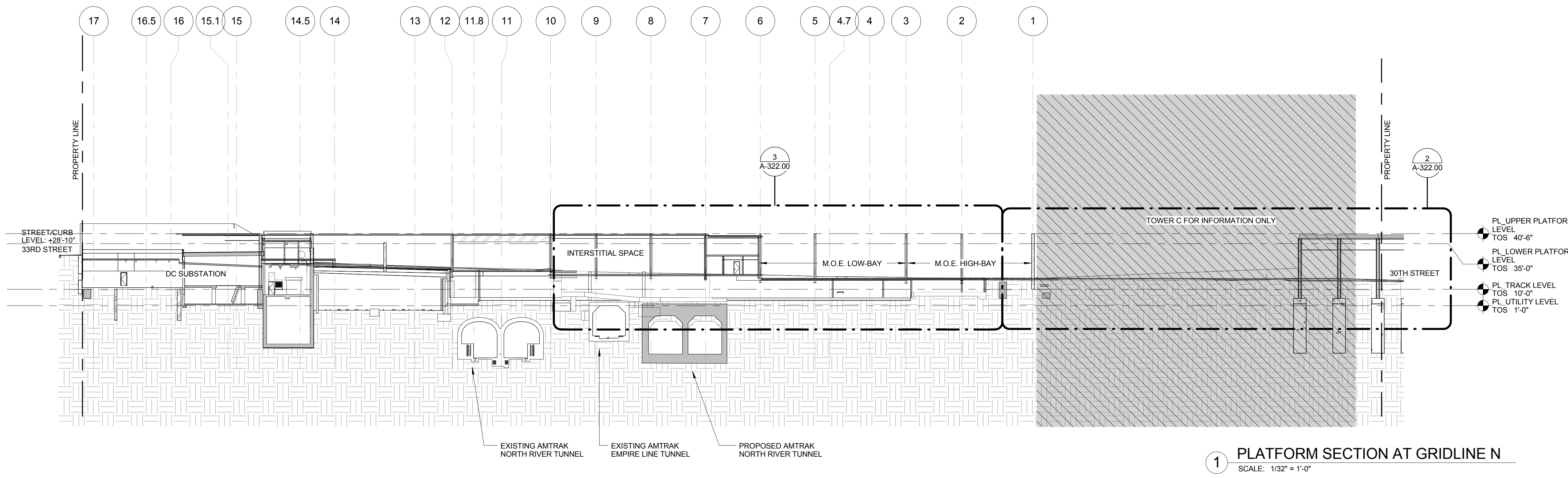


APPROVED Under Directive 3 of 1975 7/05/14/2014

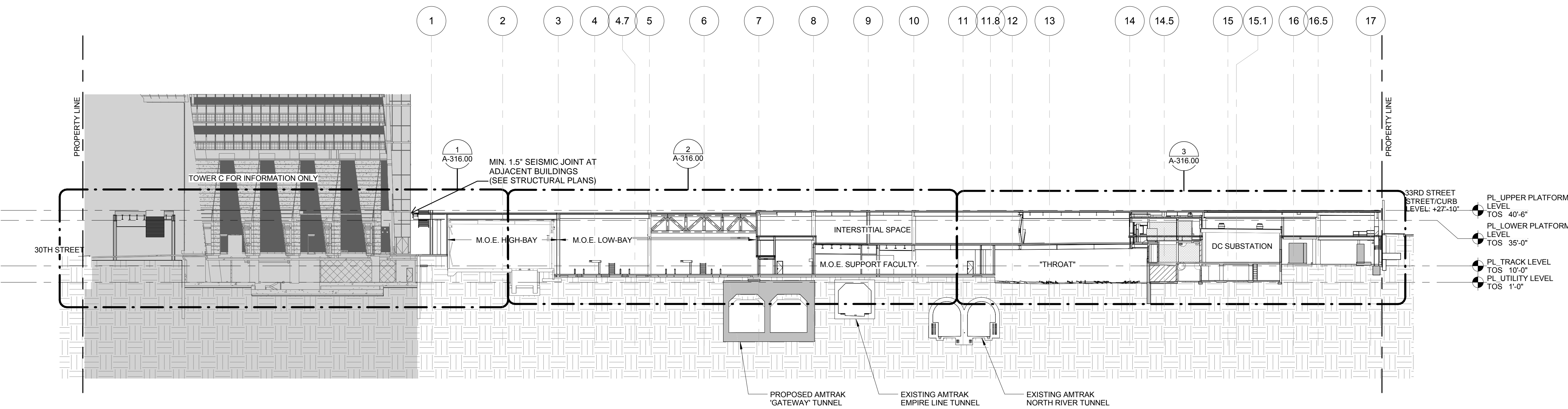
NYC Development Hub



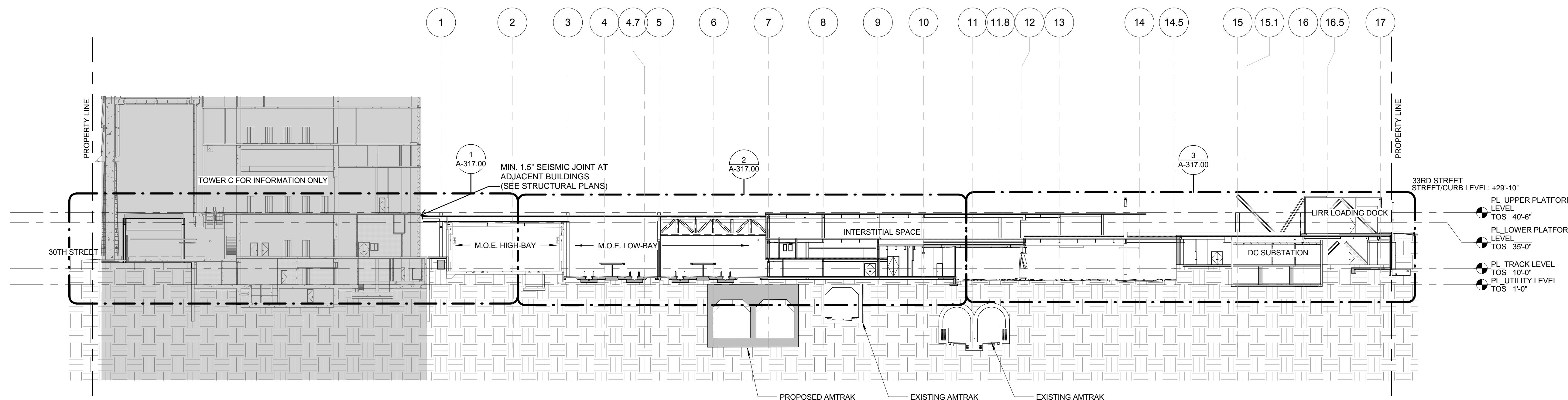
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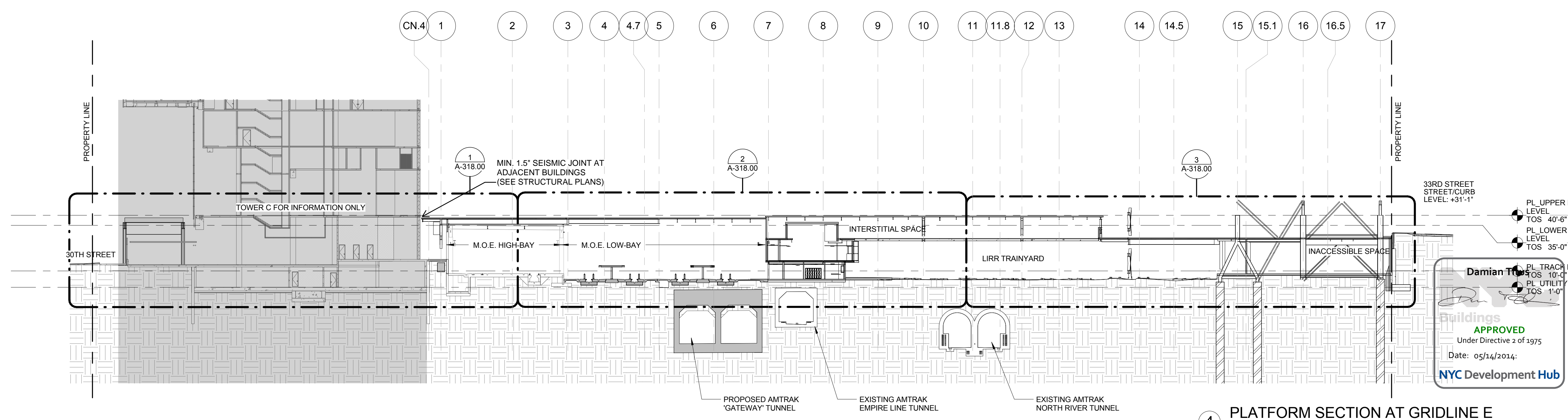
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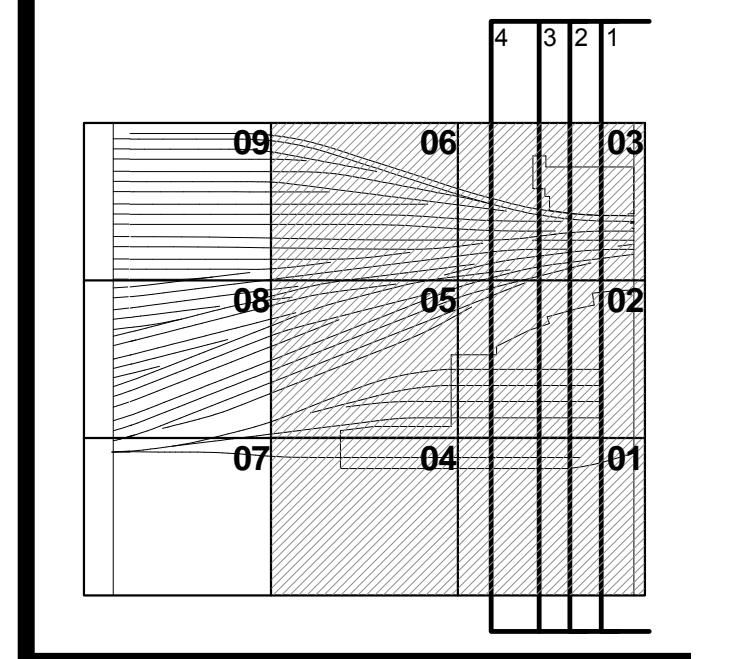


3 PLATFORM SECTION AT GRIDLINE G50
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4 PLATFORM SECTION AT GRIDLINE E
SCALE: 1/32" = 1'-0"

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|----|-------------------------------|------------|
| 9. | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8. | DOB SUBMISSION | 10/18/2013 |
| 7. | L.I.R.R. - 100% MoE PLATFORM | 11/22/2013 |
| 6. | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5. | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 4. | NYC DOB Filing | 6/17/2013 |
| 3. | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| 2. | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 1. | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0. | Description | Date |

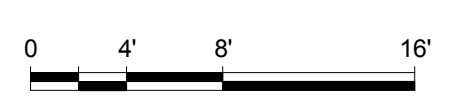


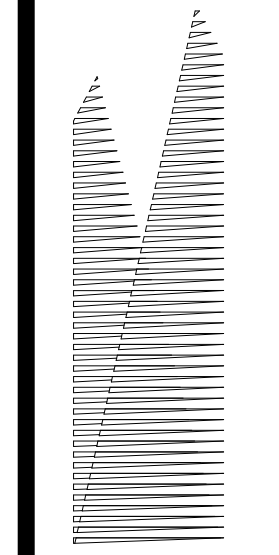
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Project No: 2118
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HYE - PL - A-303.00

OVERALL NS SECTIONS

Drawing Title
A-303.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
TEL: 212.708.3600

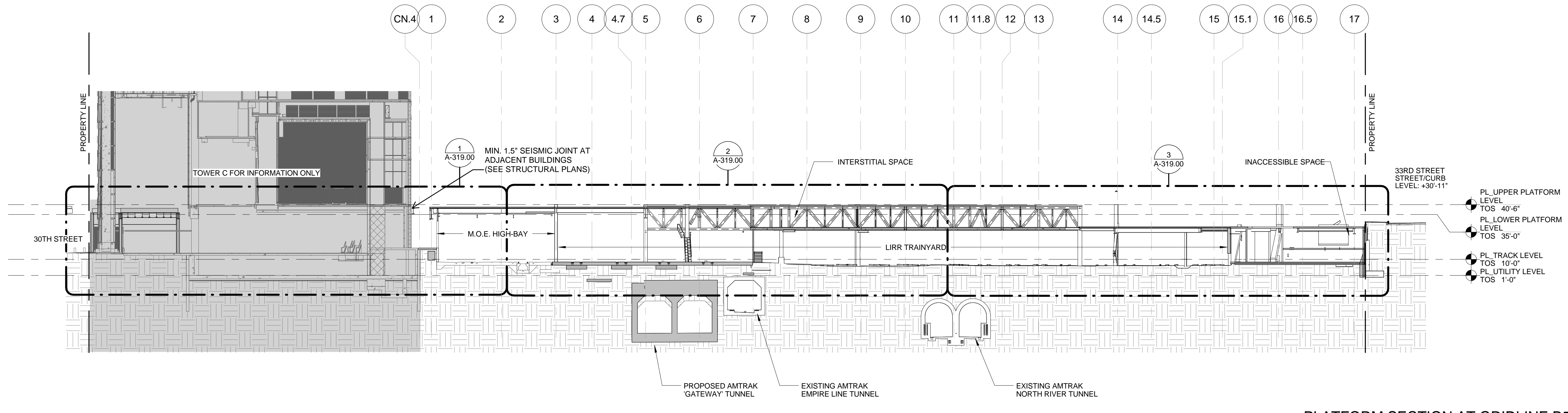
Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

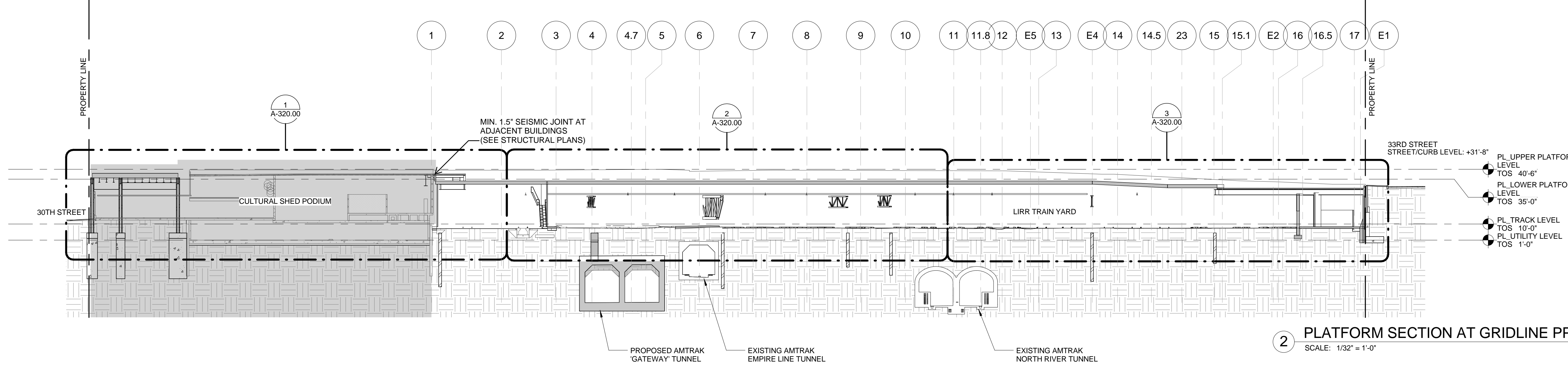
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

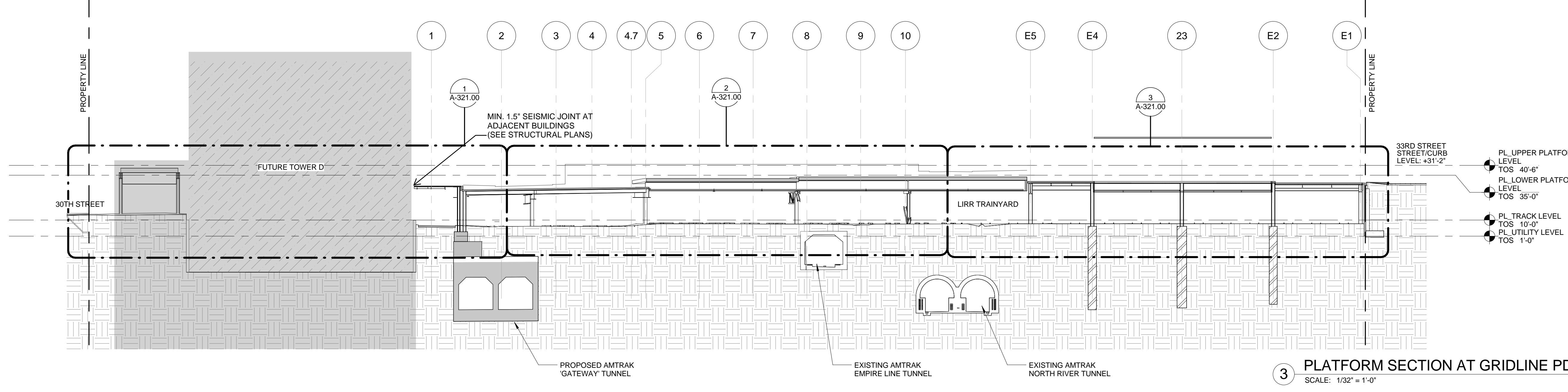
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9200 FAX: 212.682.6172



1 PLATFORM SECTION AT GRIDLINE B50
SCALE: 1/32" = 1'-0"

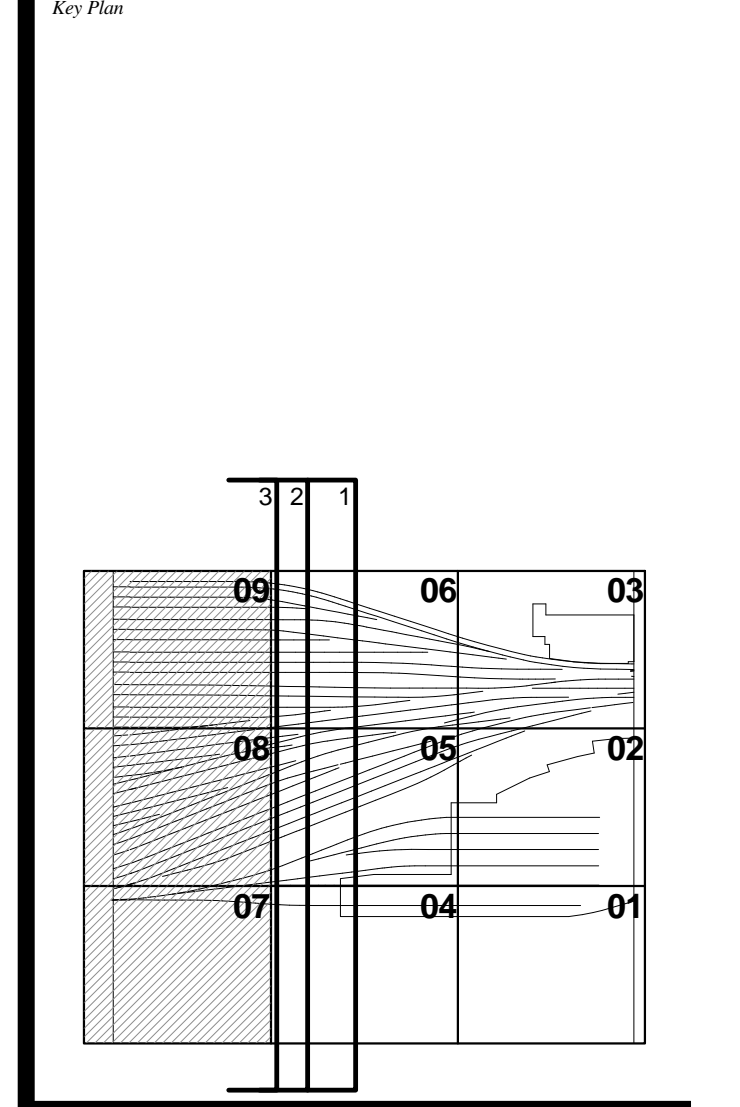


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3 PLATFORM SECTION AT GRIDLINE PD
SCALE: 1/32" = 1'-0"

| | | |
|----|-------------------------------|------------|
| 10 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 9 | DOB SUBMISSION | 10/18/2013 |
| 8 | L.I.R.R. - 10% M&E PLATFORM | 11/22/2013 |
| 7 | L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| 0 | Description | Date |

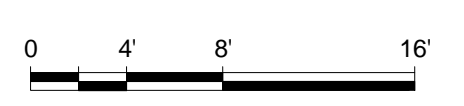


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Project No: 219
Drawing No: 1
Sheet Number: 1
Drawing Title: **HYE -PL -A-304.00**

OVERALL NS SECTIONS

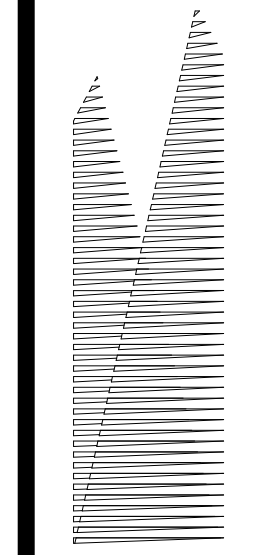
Sheet Number: **A-304.00**

Damian Titus
REGISTERED ARCHITECT
STATE OF NEW YORK
No. 12528
Date: 05/14/2014
NYC Development Hub



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY



Client
 Related Companies
 60 Columbus Circle
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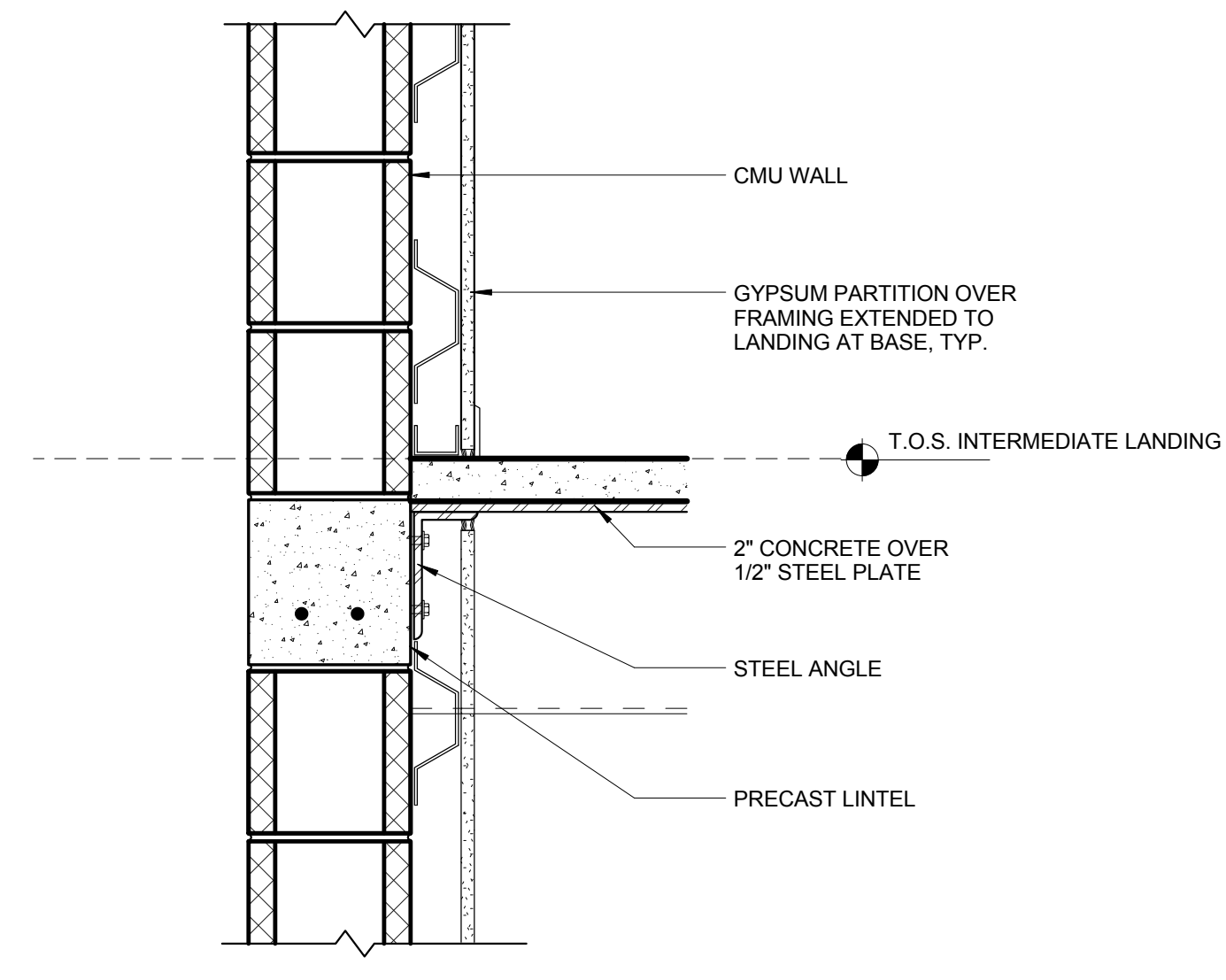
Architect
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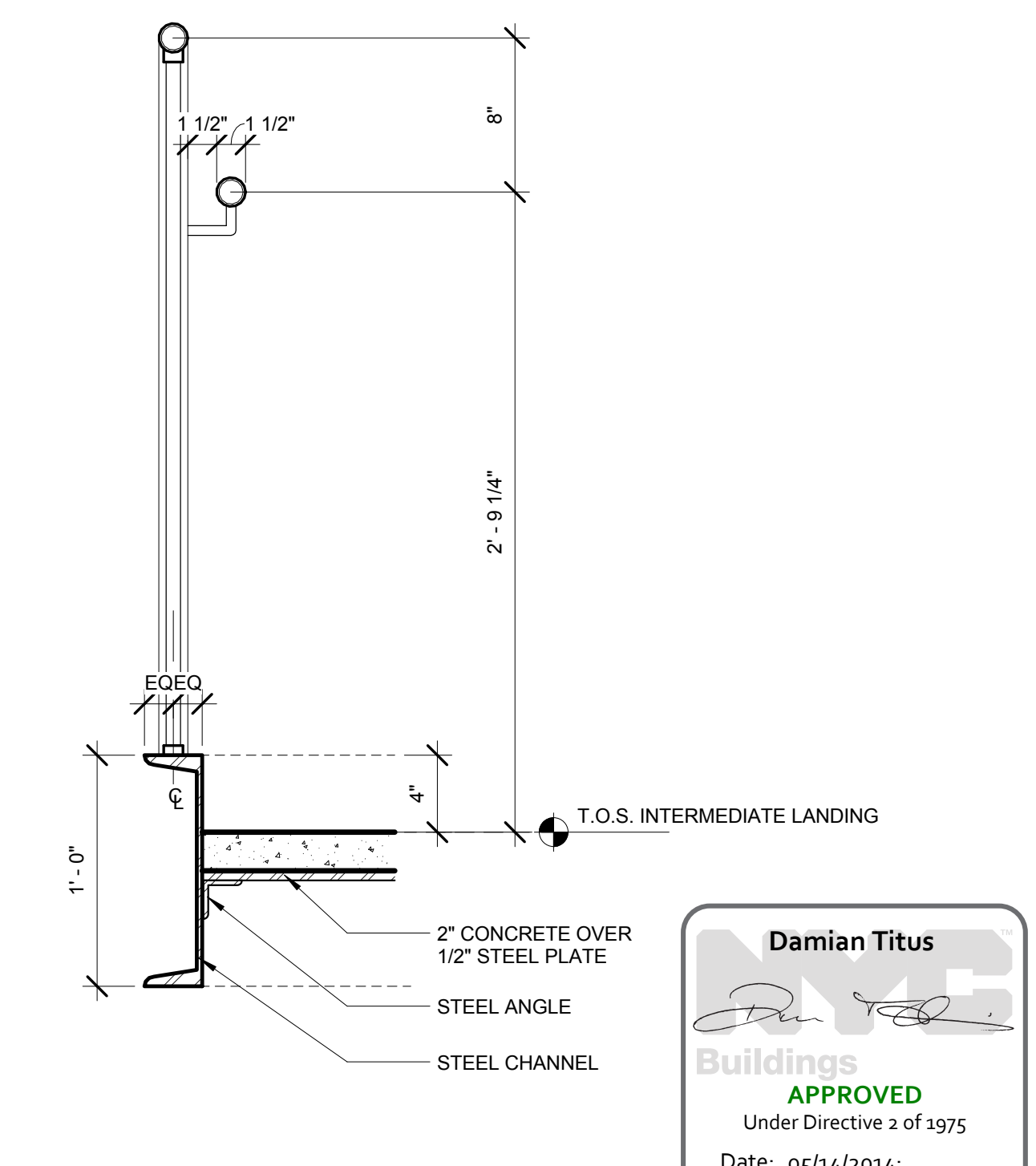
Mechanical, Electrical, Plumbing, Fire Protection
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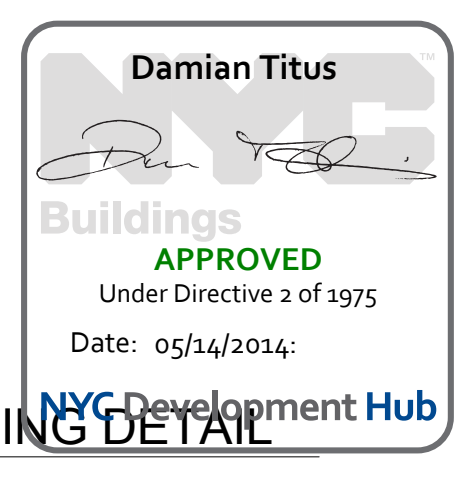
LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9200 FAX: 212.682.6172



② INTERMEDIATE STAIR LANDING DETAIL (CMU)
 SCALE: 1/16" = 1'-0"



① INTERMEDIATE STAIR LANDING DETAIL
 SCALE: 1/16" = 1'-0"



| No. | Description | Date |
|-----|----------------------------|------------|
| 3 | DOB SUBMISSION | 10/18/2013 |
| 4 | L.R.R. - 100% MoE PLATFORM | 11/22/2013 |
| 3 | L.R.R. - 90% SUBMISSION | 8/09/2013 |
| 2 | NYC DOB FILE | 6/17/2013 |
| 1 | L.R.R. - 60% SUBMISSION | 5/29/2013 |

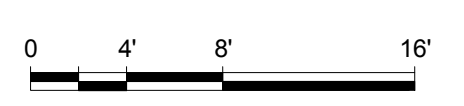
Rev Plot

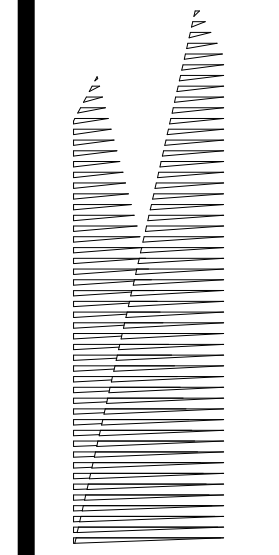
Issue Date: 03/08/13
 Project No: 2138
 Drawing No:
 Sheet Number:
 Drawing Title:

HYE -PL -A-420.00

STAIR ANCHORING DETAILS

Sheet Number:
A-420.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
TEL: 212.708.3600

Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
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New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
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Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
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New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 West Street
New York, NY 10005
212.896.3000

LIRR Substation
ARCOS
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

| No. | Description | Date |
|-----|------------------------------|------------|
| 1 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.I.R.R. - 100% MoE PLATFORM | 11/22/2013 |
| 3 | L.I.R.R. - 90% SUBMISSION | 8/19/2013 |
| 4 | NYC DOB FILE | 6/17/2013 |
| 5 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |

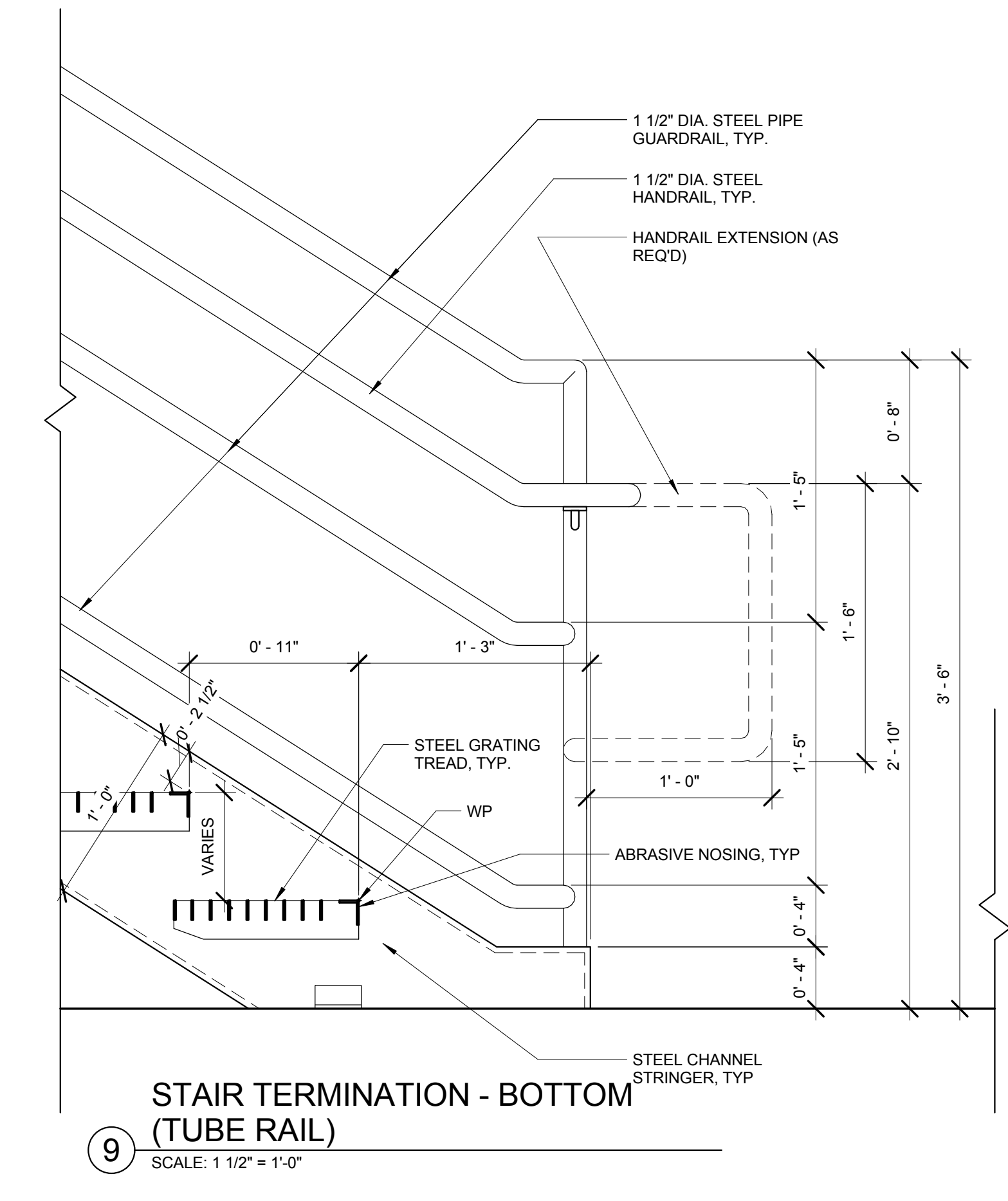
Rev. Plan

Date: 12/14/2012
Project No: 2119
Drawing No:
Sheet Number:
Drawing Title:

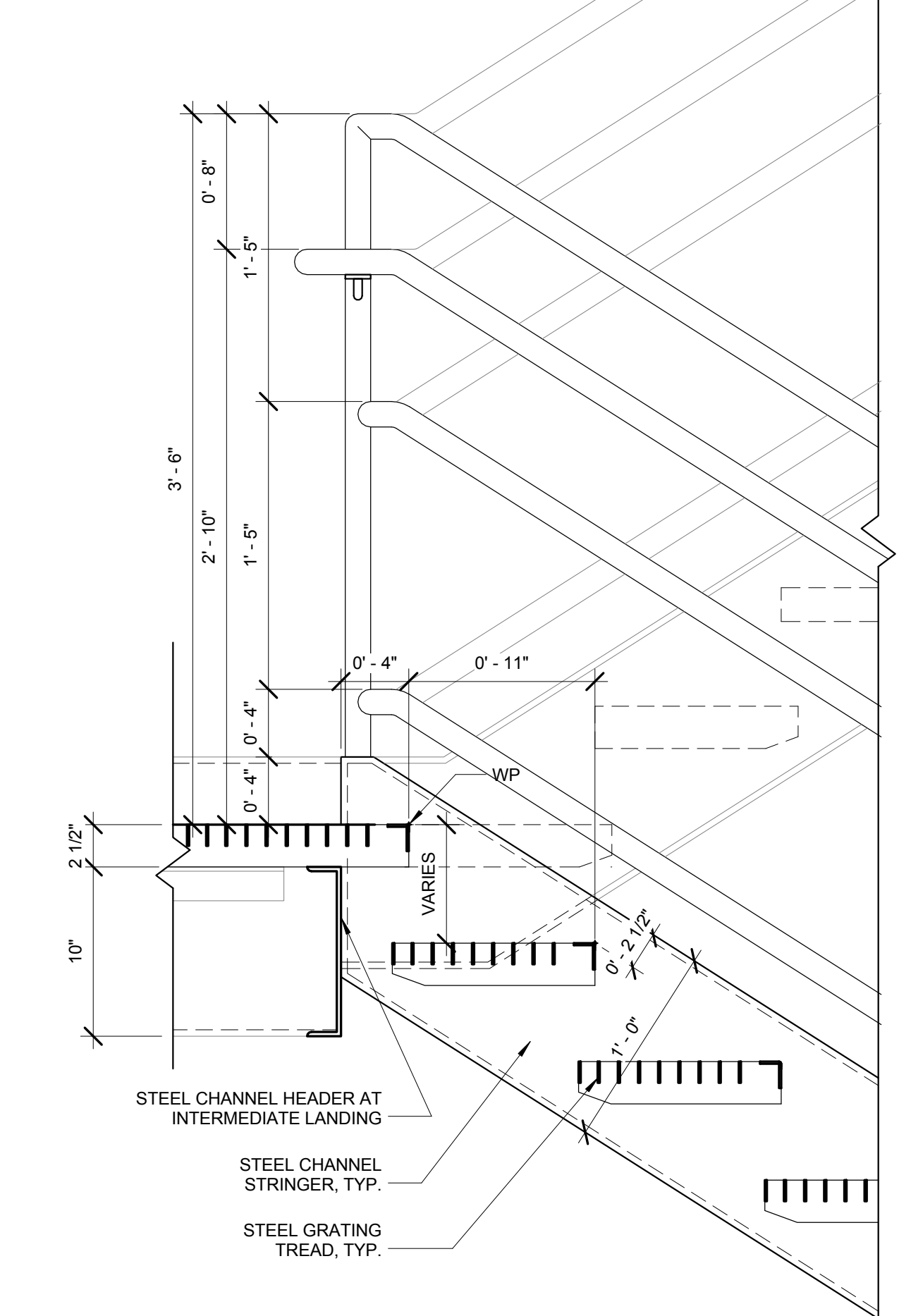
HYE-PL-A-520.00

TYPICAL STAIR DETAILS

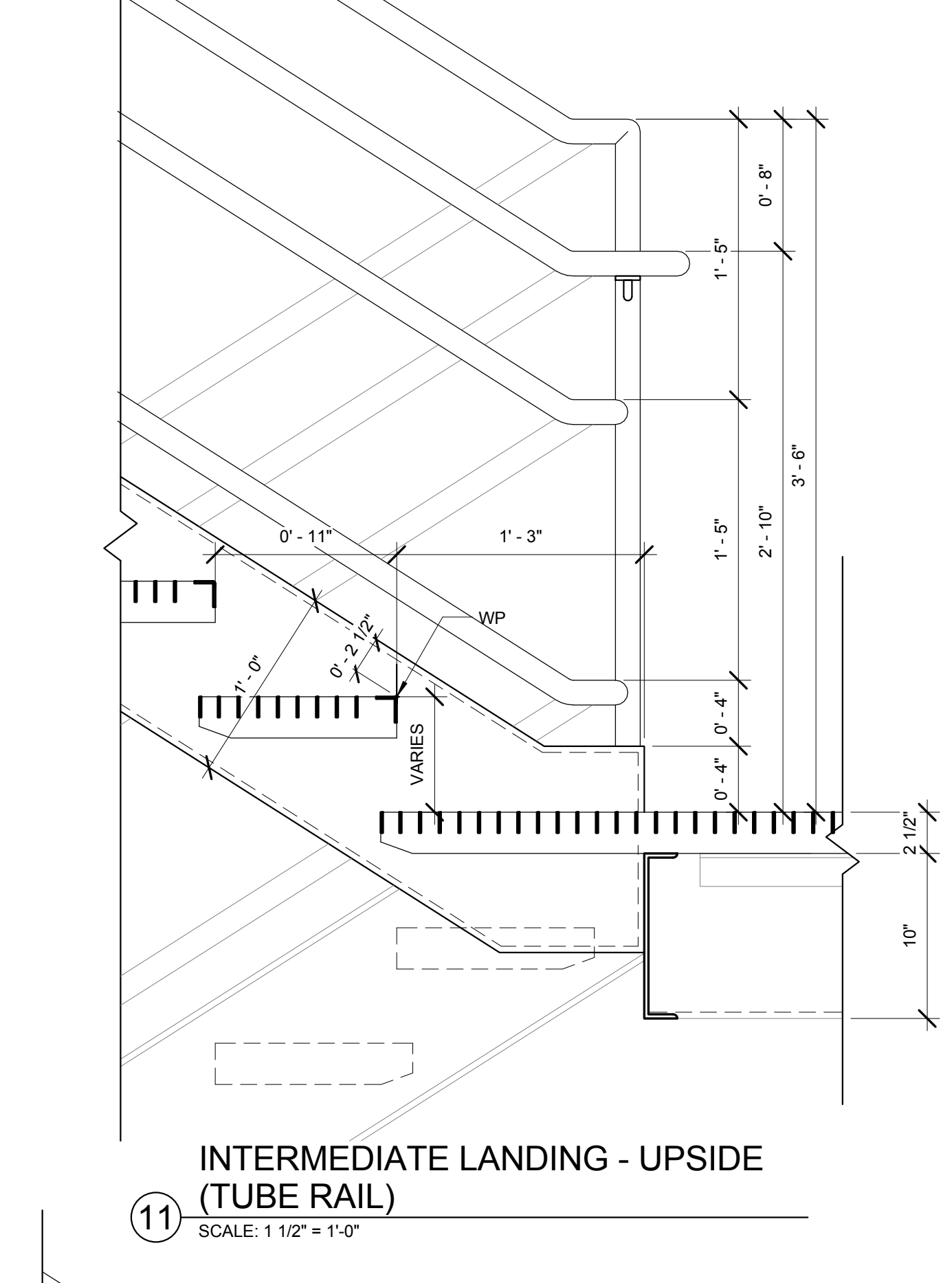
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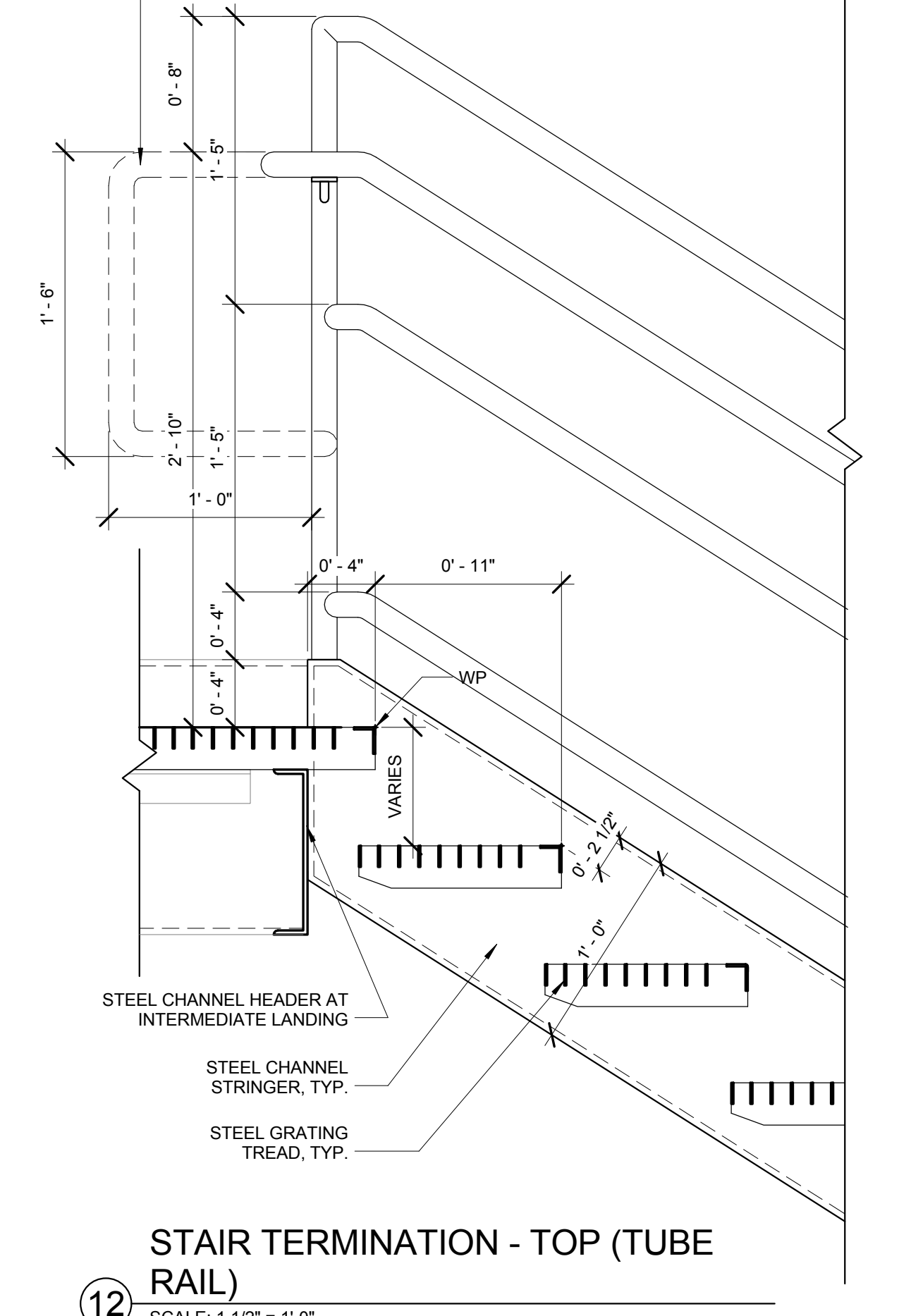
9
STAIR TERMINATION - BOTTOM
(TUBE RAIL)
SCALE: 1 1/2" = 1'-0"



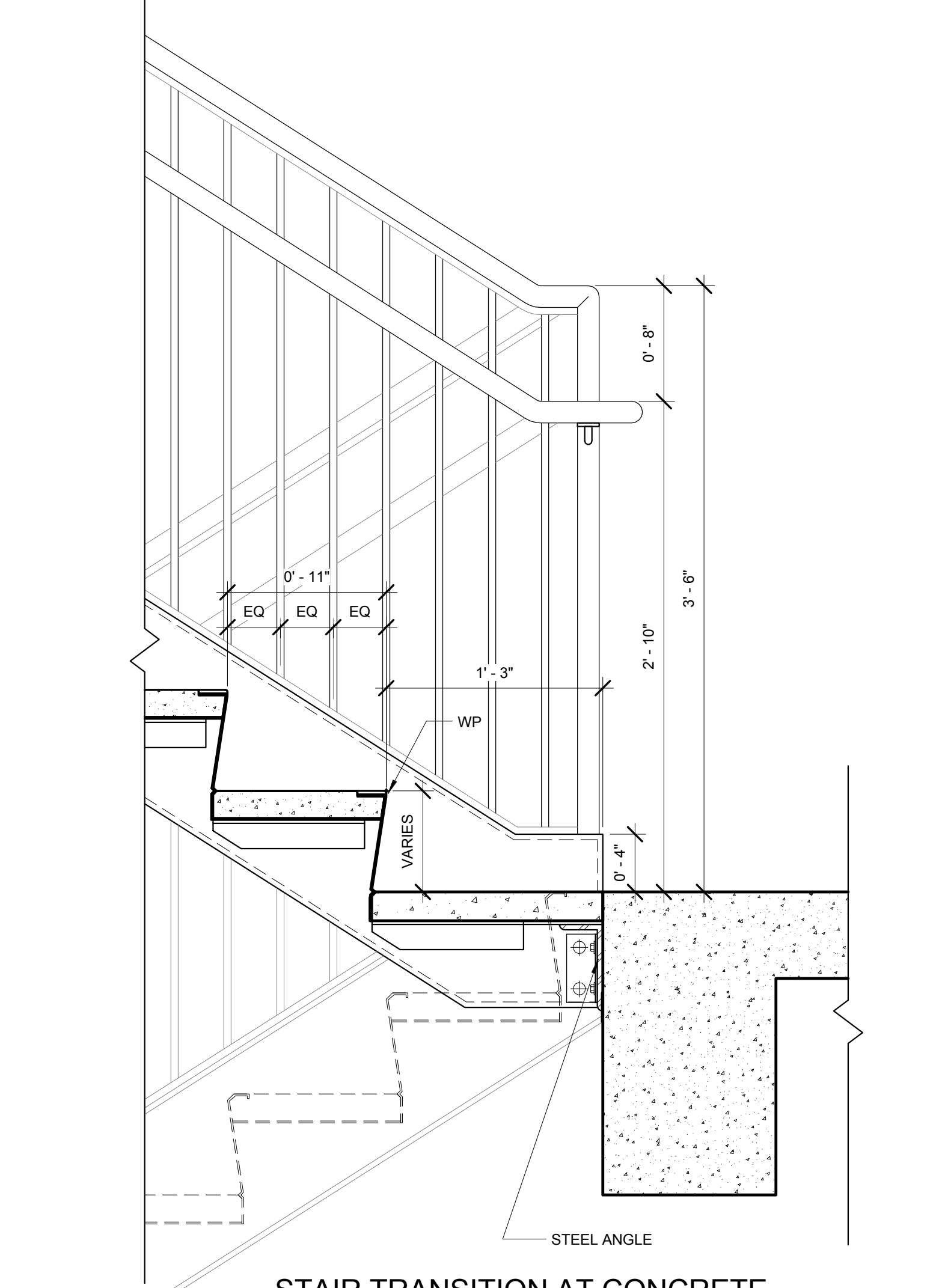
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INTERMEDIATE LANDING - DOWNSIDE
(TUBE RAIL)
SCALE: 1 1/2" = 1'-0"



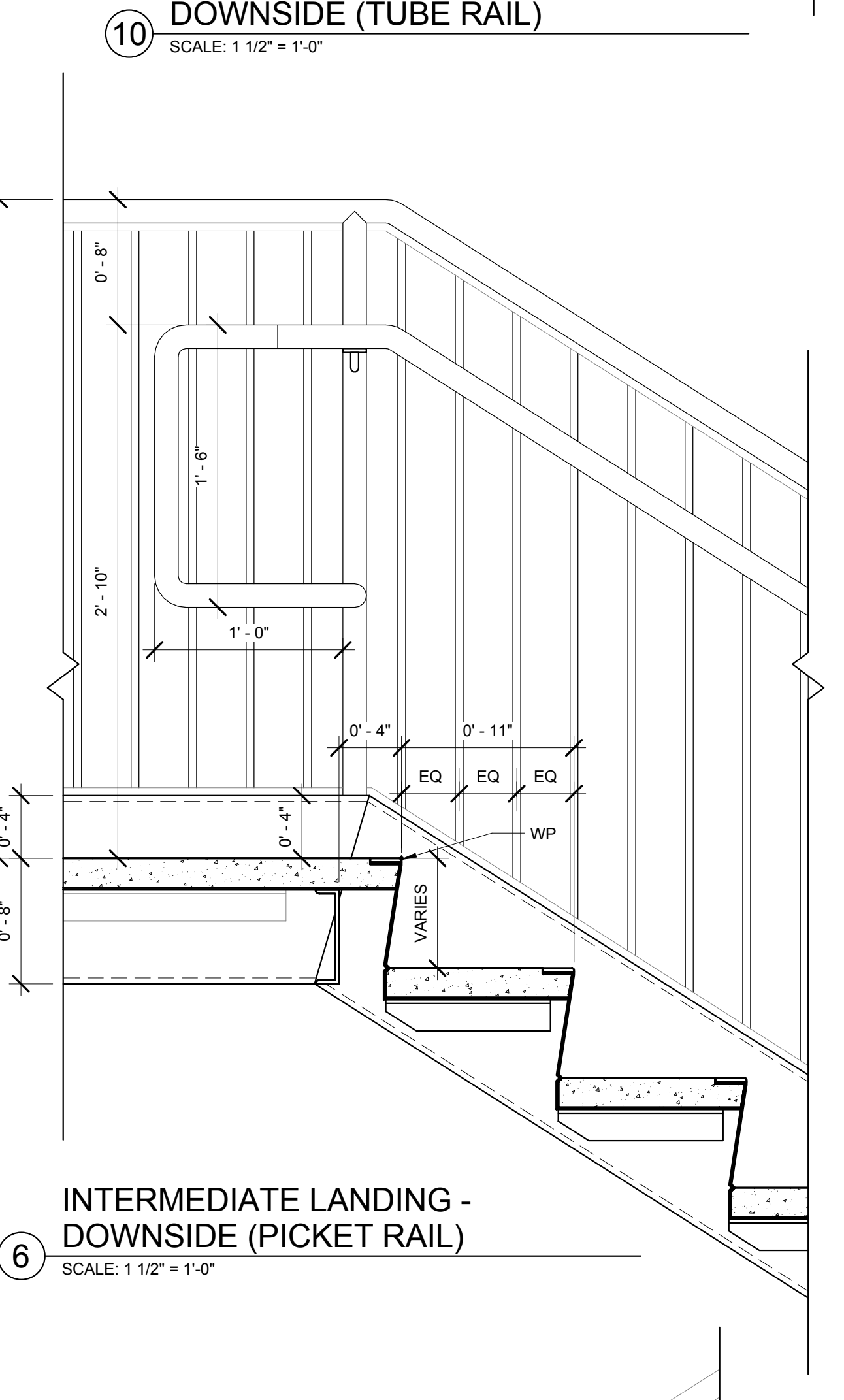
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INTERMEDIATE LANDING - UPSIDE
(TUBE RAIL)
SCALE: 1 1/2" = 1'-0"



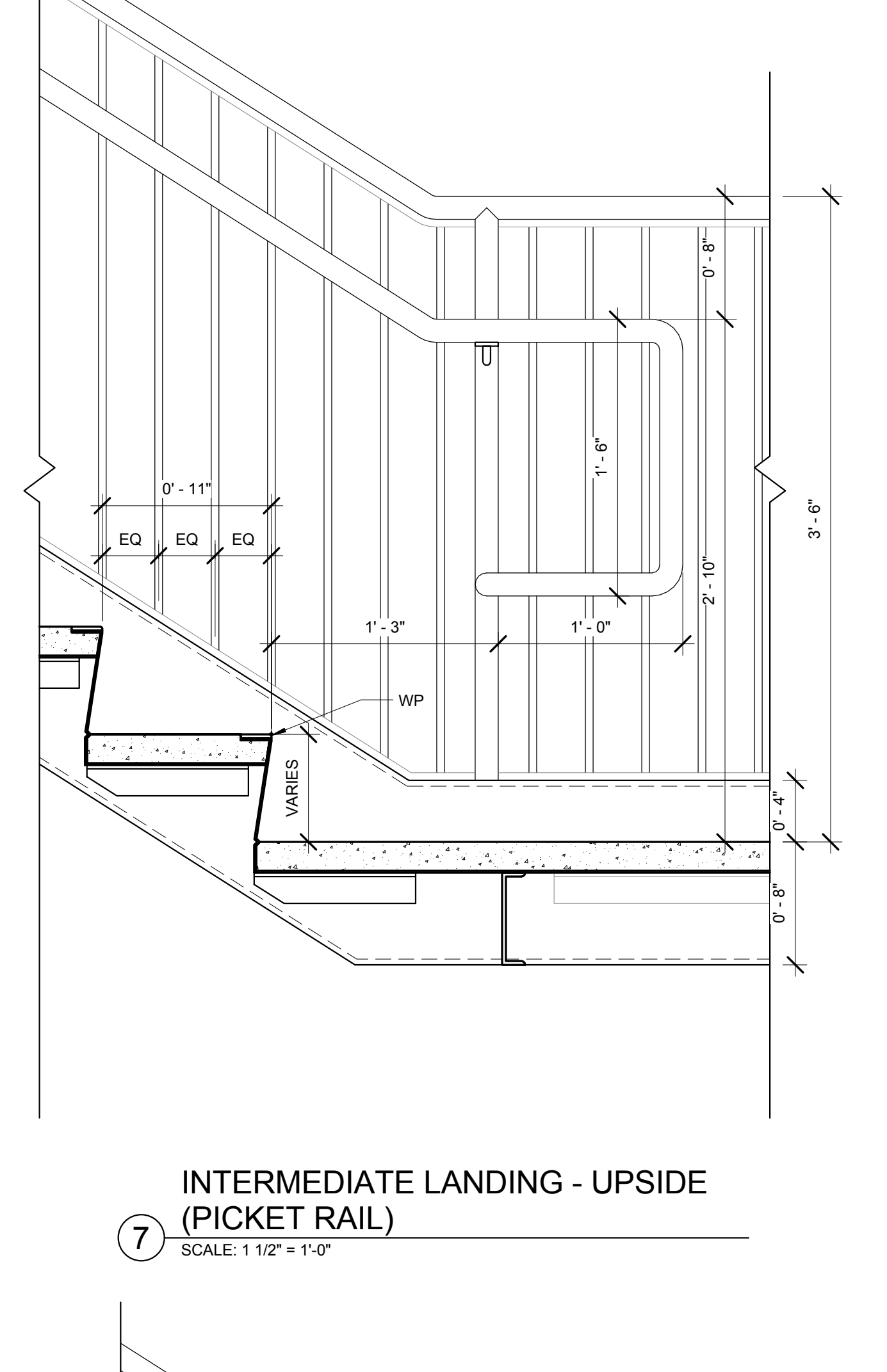
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STAIR TERMINATION - TOP
(TUBE RAIL)
SCALE: 1 1/2" = 1'-0"



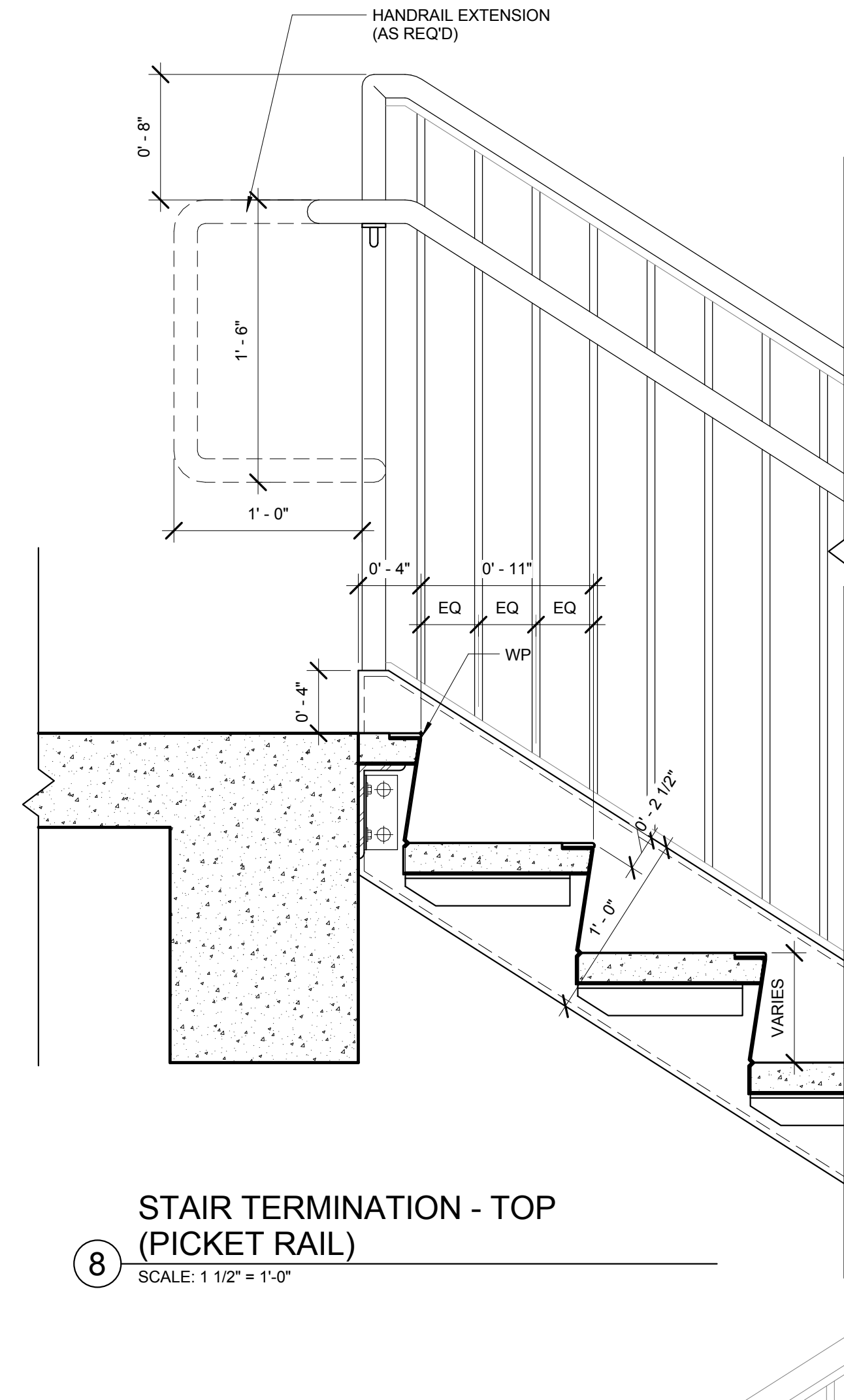
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STAIR TRANSITION AT CONCRETE
SLAB - UPSIDE (PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



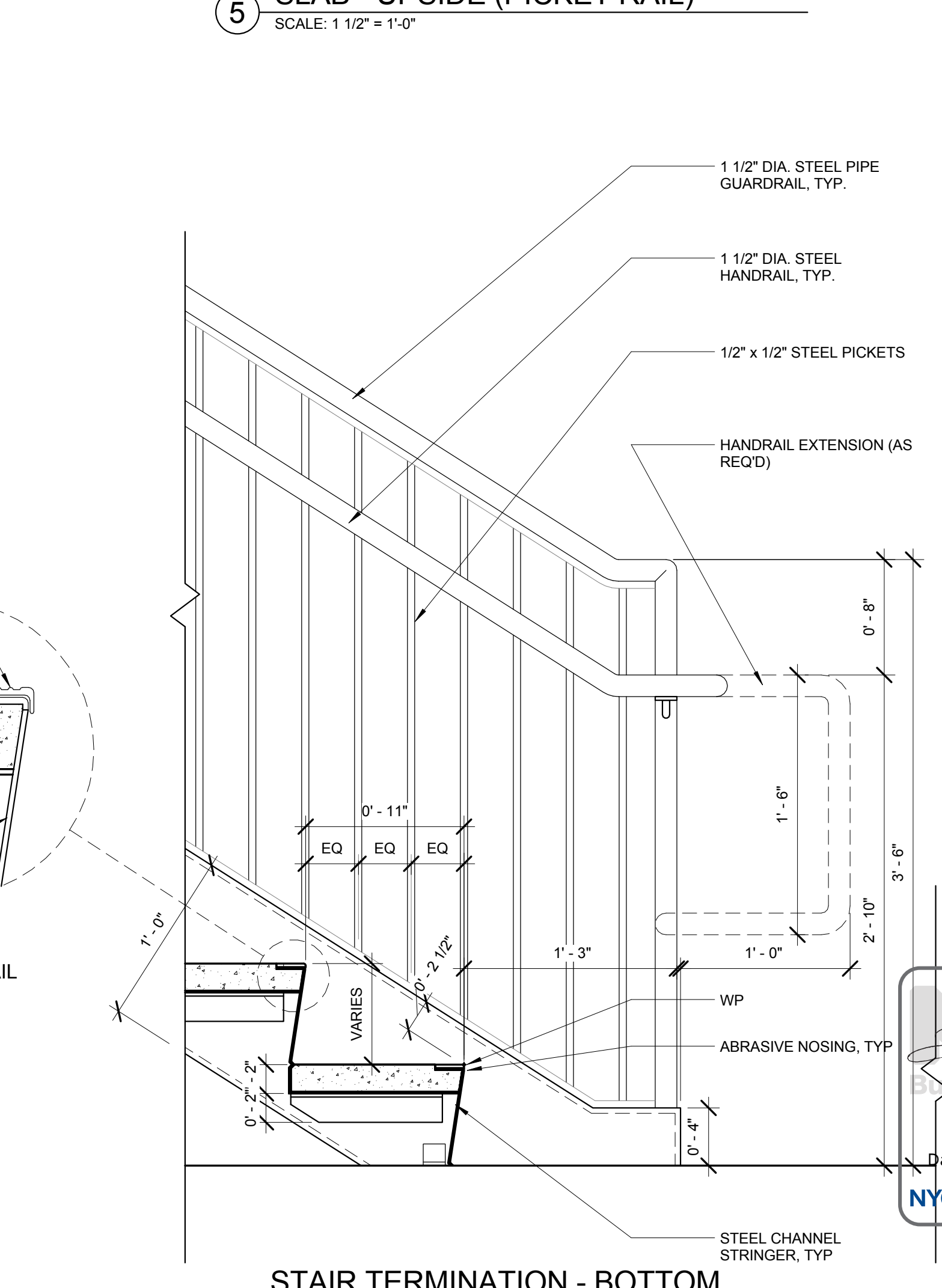
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INTERMEDIATE LANDING - DOWNSIDE
(PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



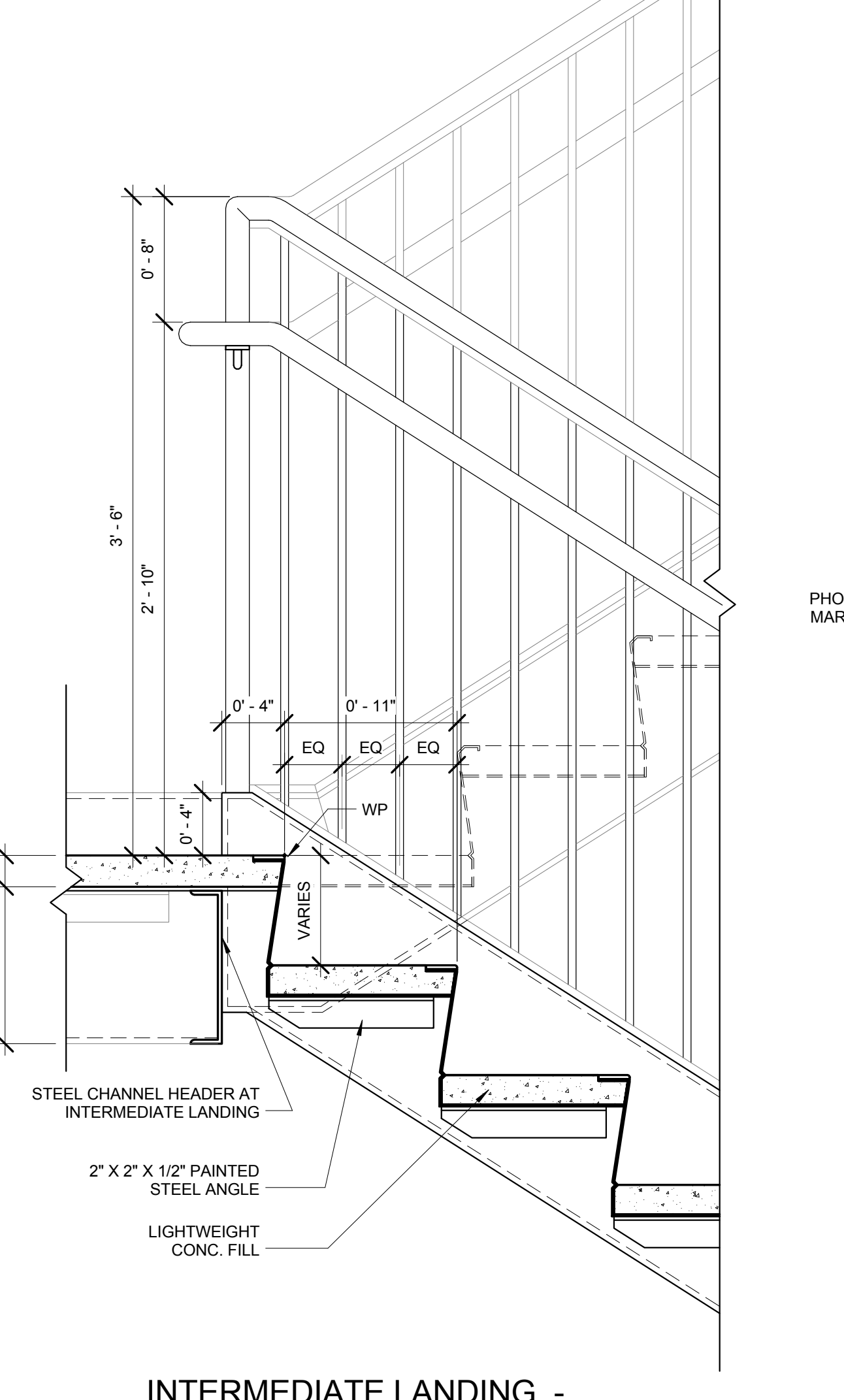
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INTERMEDIATE LANDING - UPSIDE
(PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



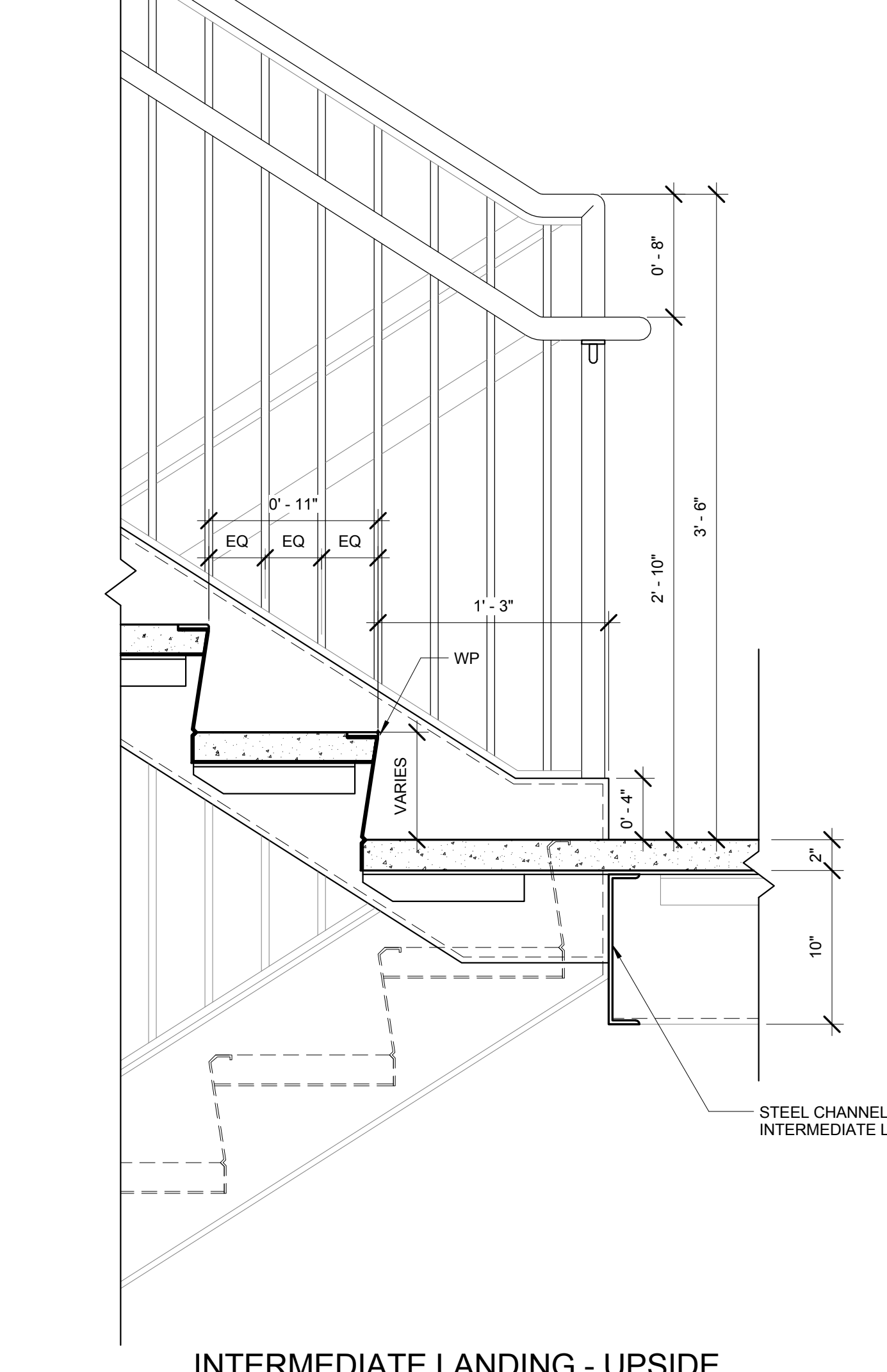
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STAIR TERMINATION - TOP
(PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



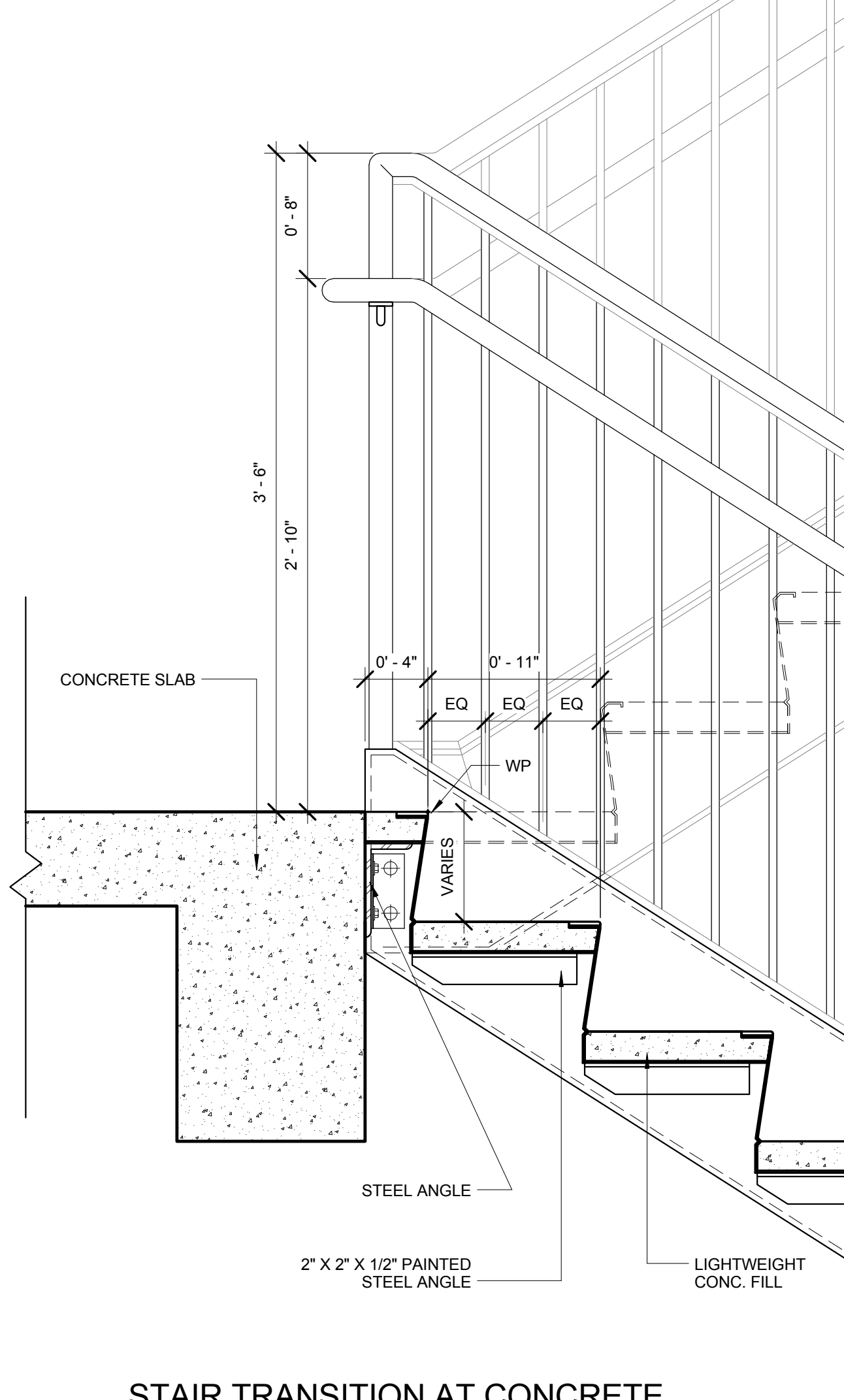
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STAIR TERMINATION - BOTTOM
(PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



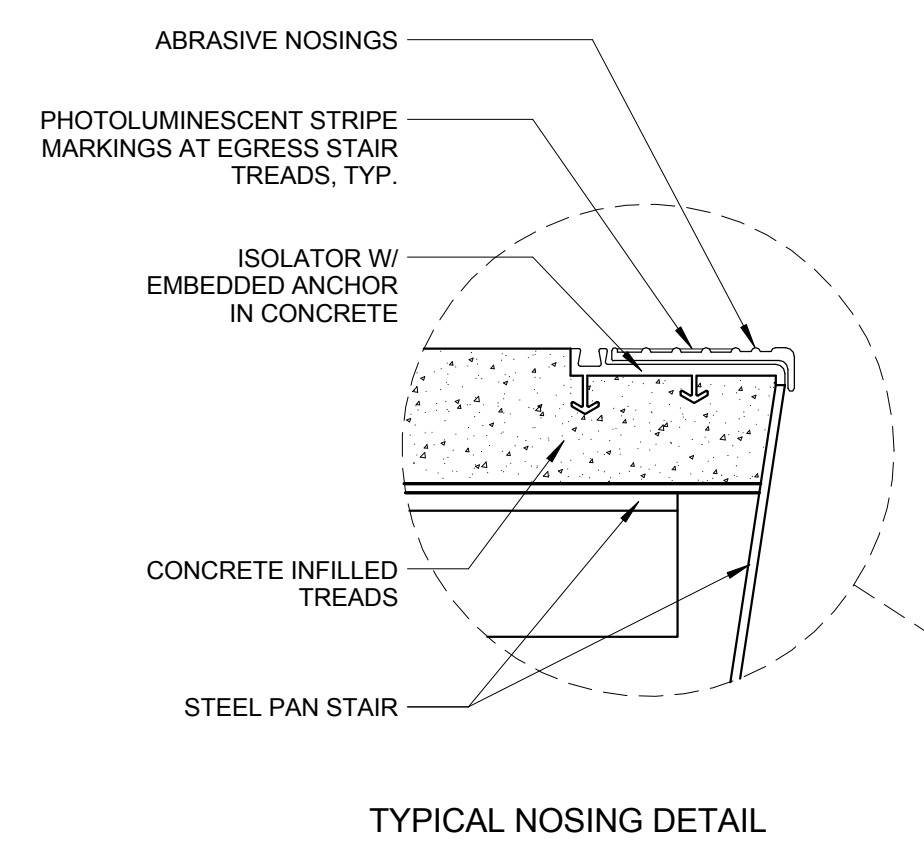
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INTERMEDIATE LANDING - DOWNSIDE
(PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



3
INTERMEDIATE LANDING - UPSIDE
(PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



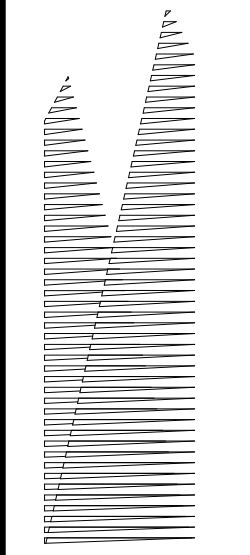
4
STAIR TRANSITION AT CONCRETE
SLAB - DOWNSIDE (PICKET RAIL)
SCALE: 1 1/2" = 1'-0"



TYPICAL NOSING DETAIL

Damian Titus
REGISTERED ARCHITECT
STATE OF NEW YORK
12/14/2012
Date: 05/14/2014
APPROVED
Under Directive 3 of 1975
NYC Development Hub





Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 50th Floor
New York, NY 10017
TEL: 212.708.3600

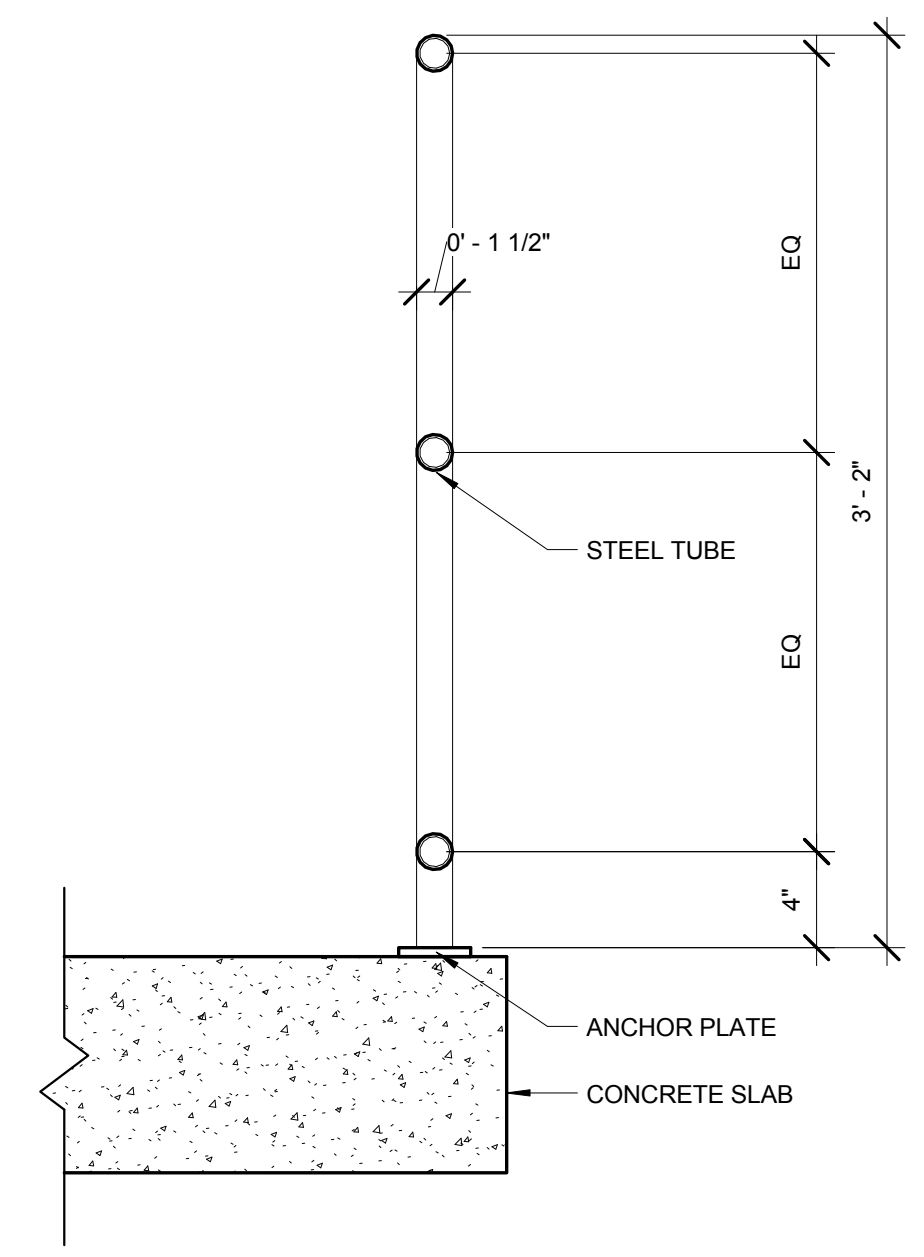
Architect
Kohn Pedersen Fox Associates
PC Architects & Planning Consultants
11 West 42nd Street
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TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
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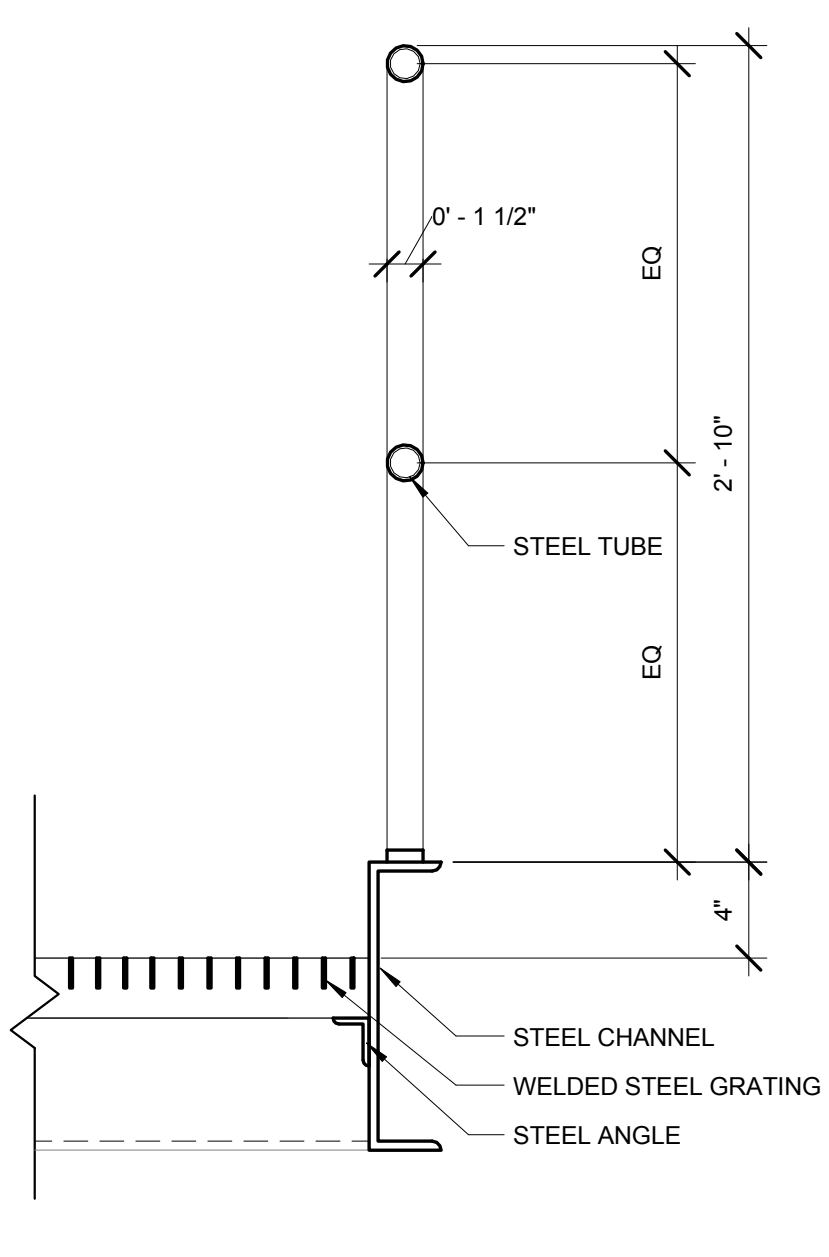
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

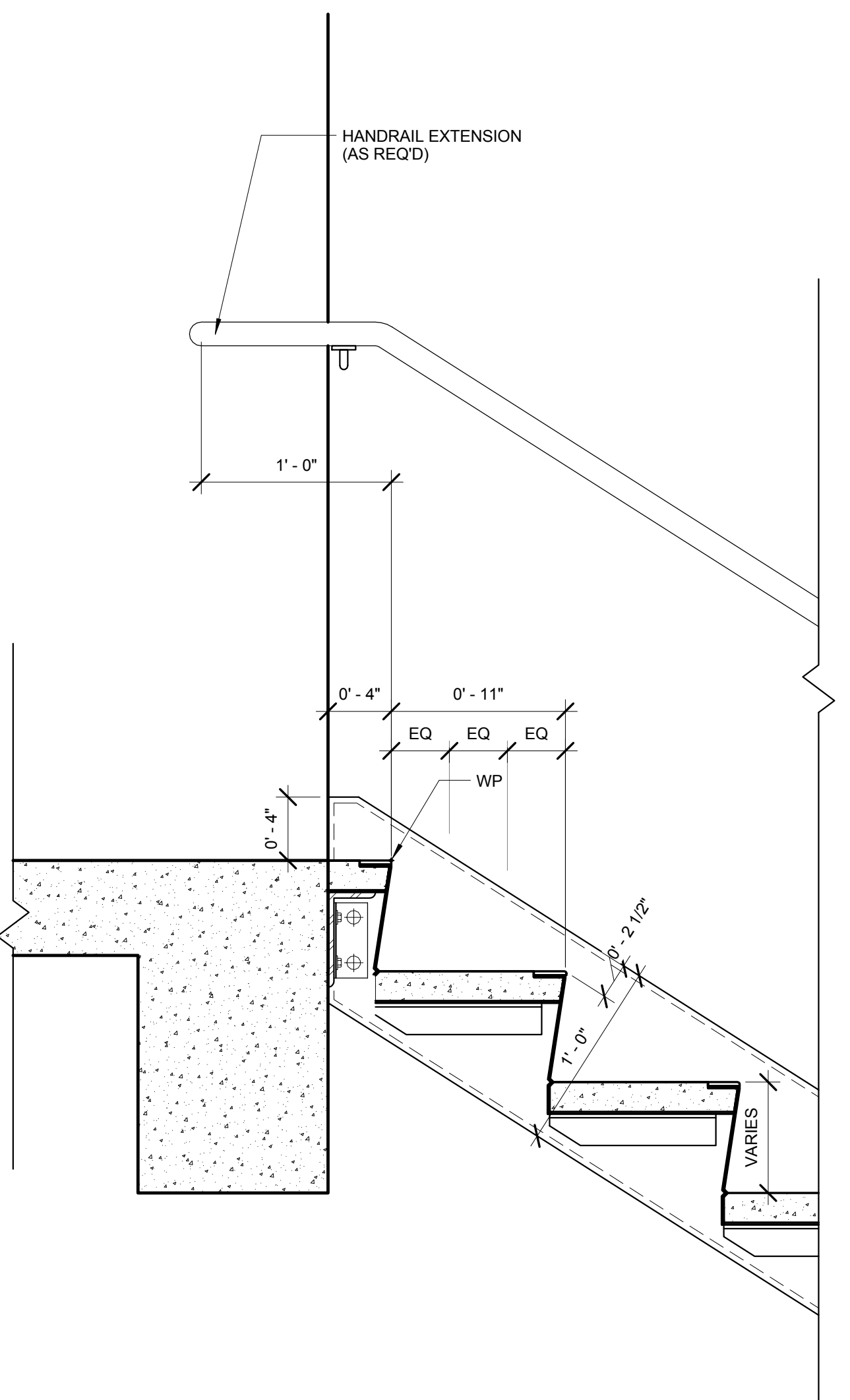
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9500 FAX: 212.682.6172



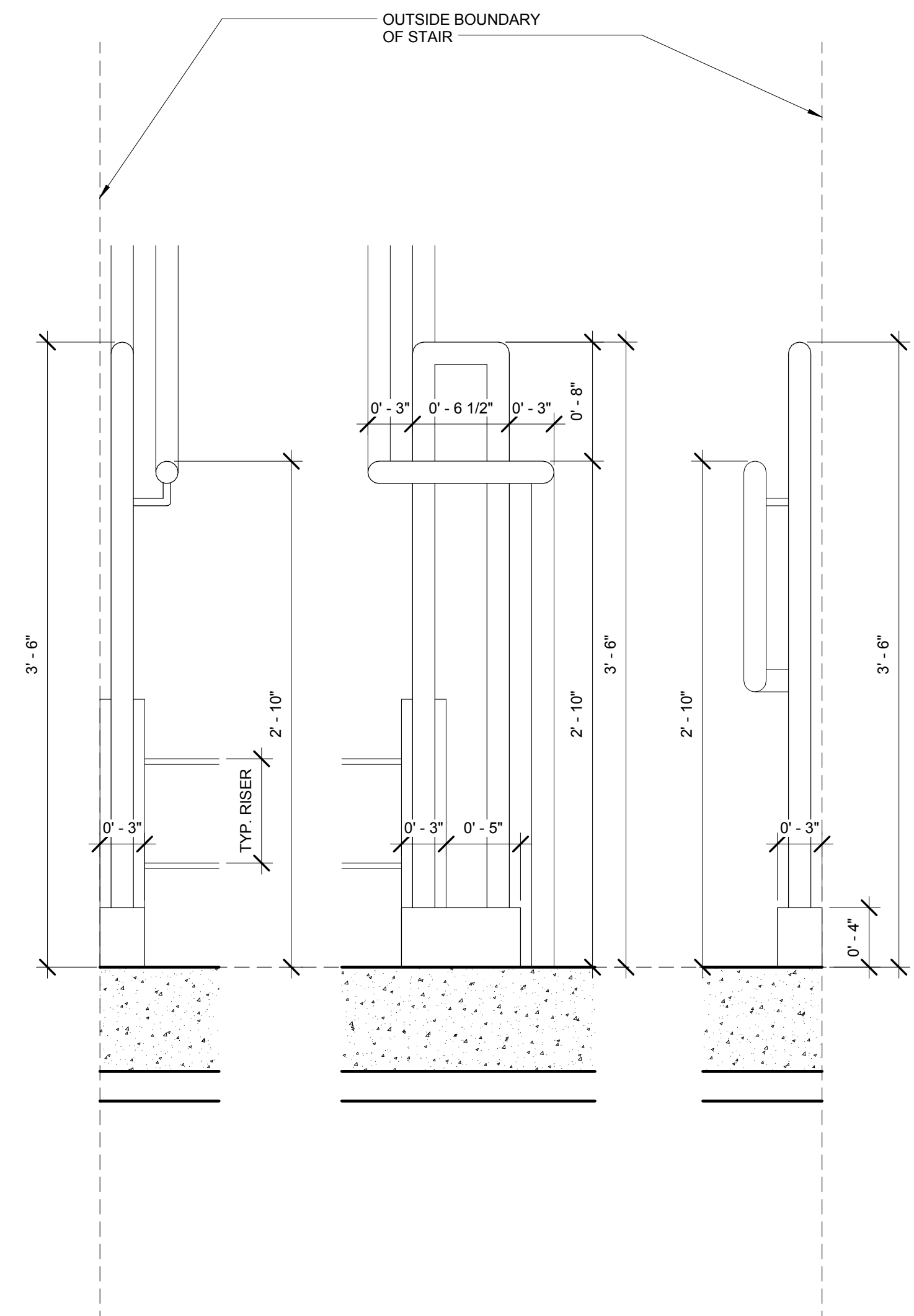
9 TYP. MECHANICAL GUARDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



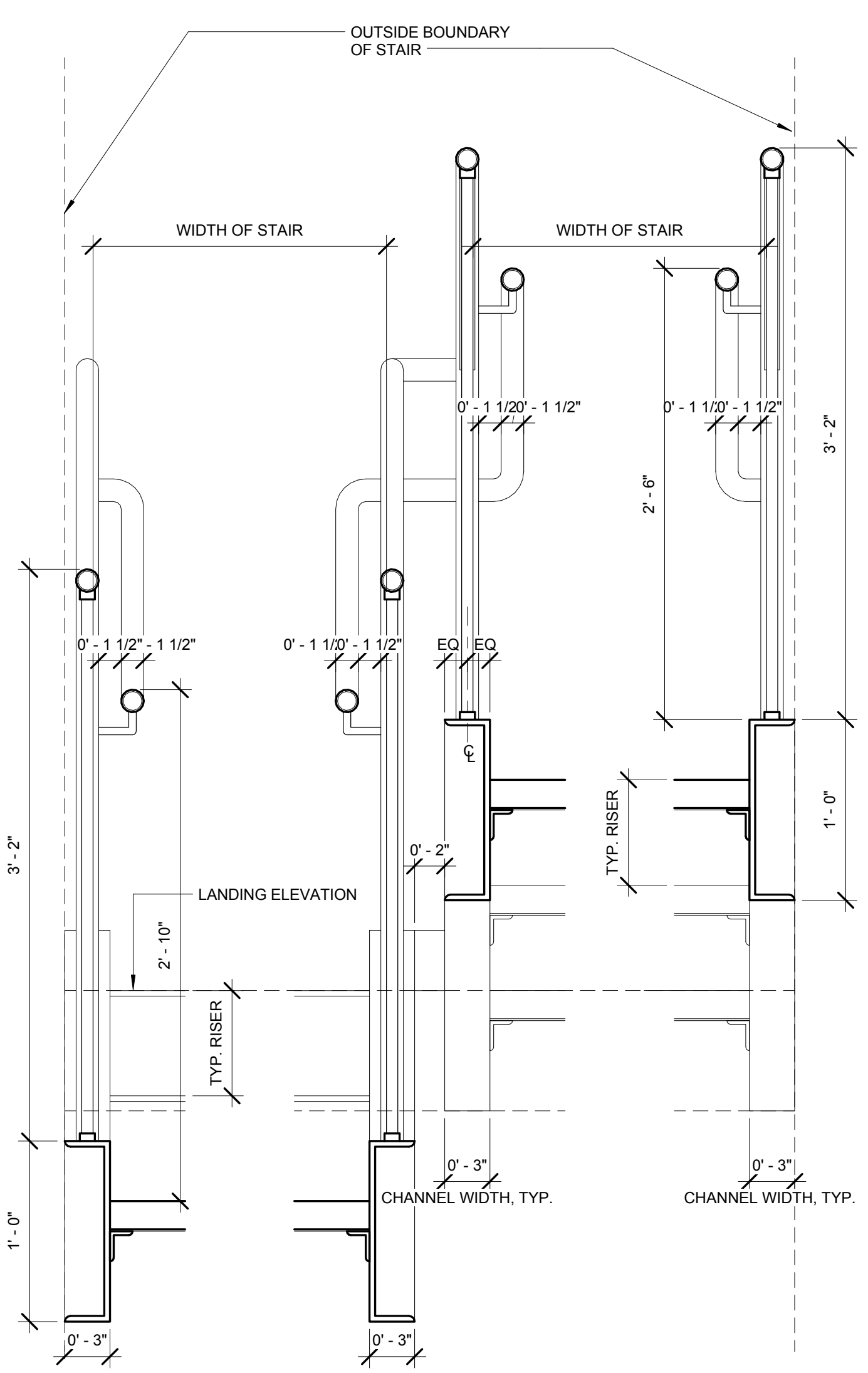
8 GUARDRAIL DETAIL @ WELDED STEEL GRATING LANDING/CATWALK
SCALE: 1 1/2" = 1'-0"



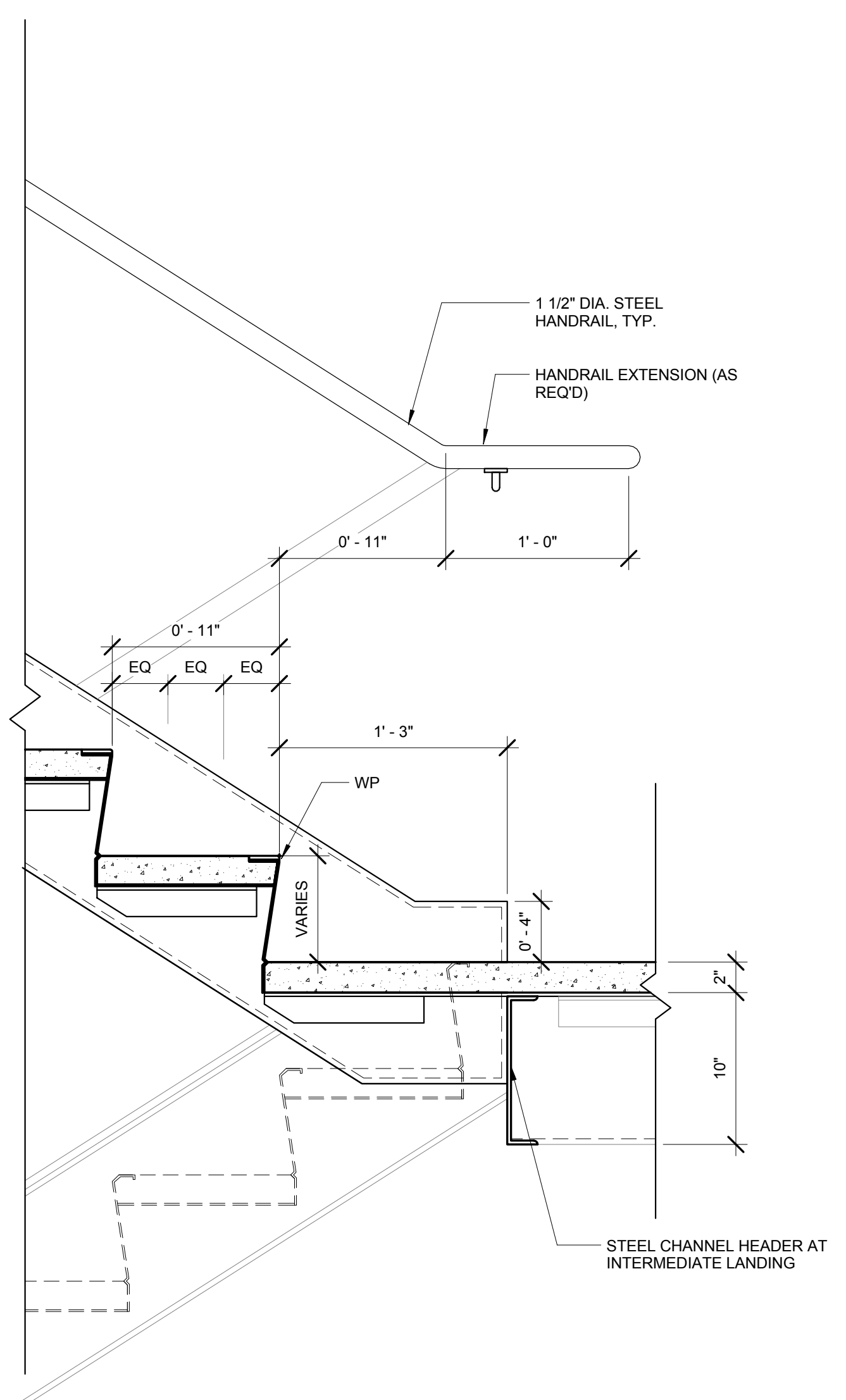
6 STAIR TERMINATION - TOP (WALL MOUNTED)
SCALE: 1 1/2" = 1'-0"



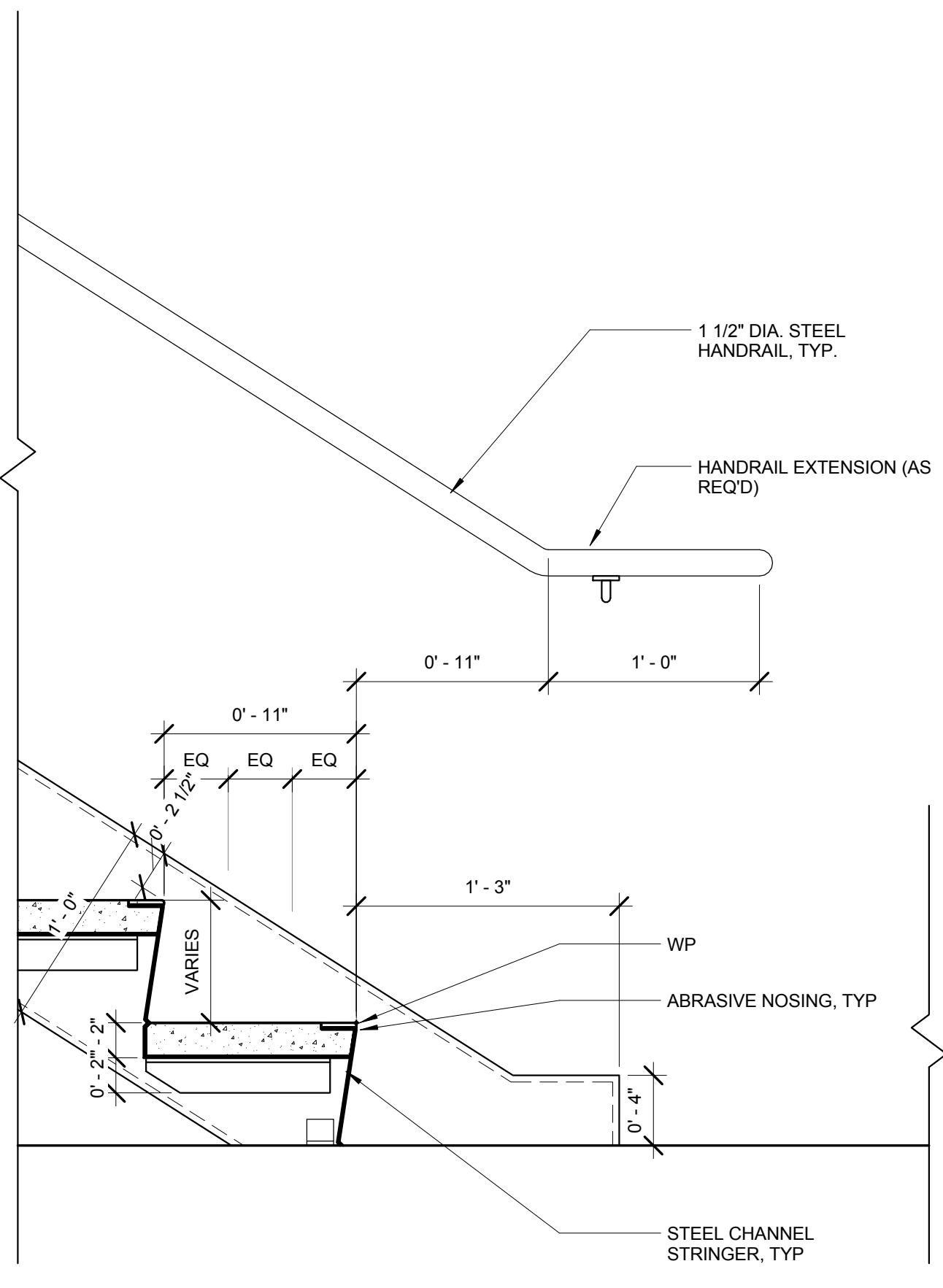
4 HANDRAIL & GUARDRAIL CONTINUATION AT LANDING (NO WALL ENCLOSURE)
SCALE: 1 1/2" = 1'-0"



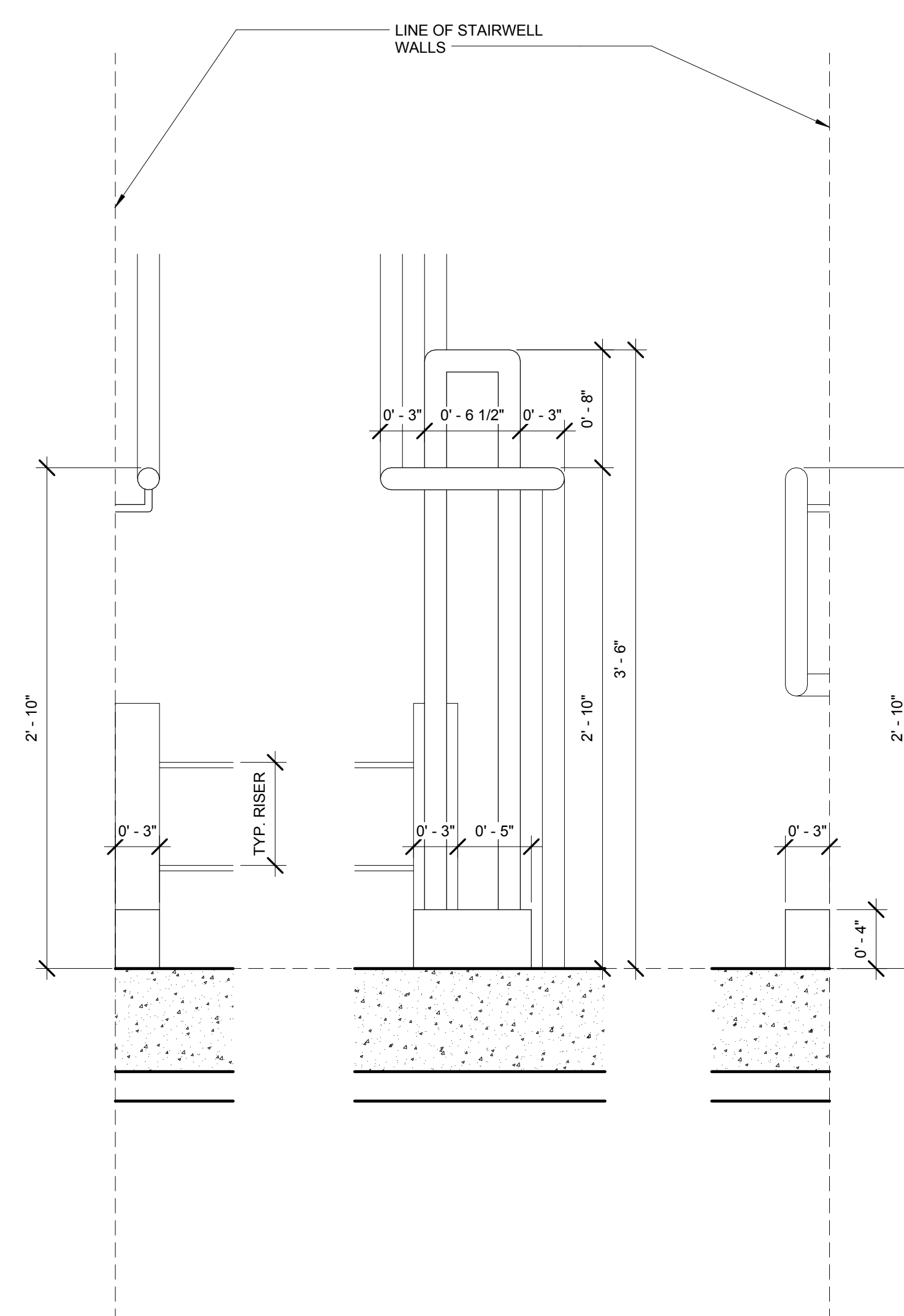
2 TYP. CROSS-SECTION THROUGH STAIR (NO WALL ENCLOSURE)
SCALE: 1 1/2" = 1'-0"



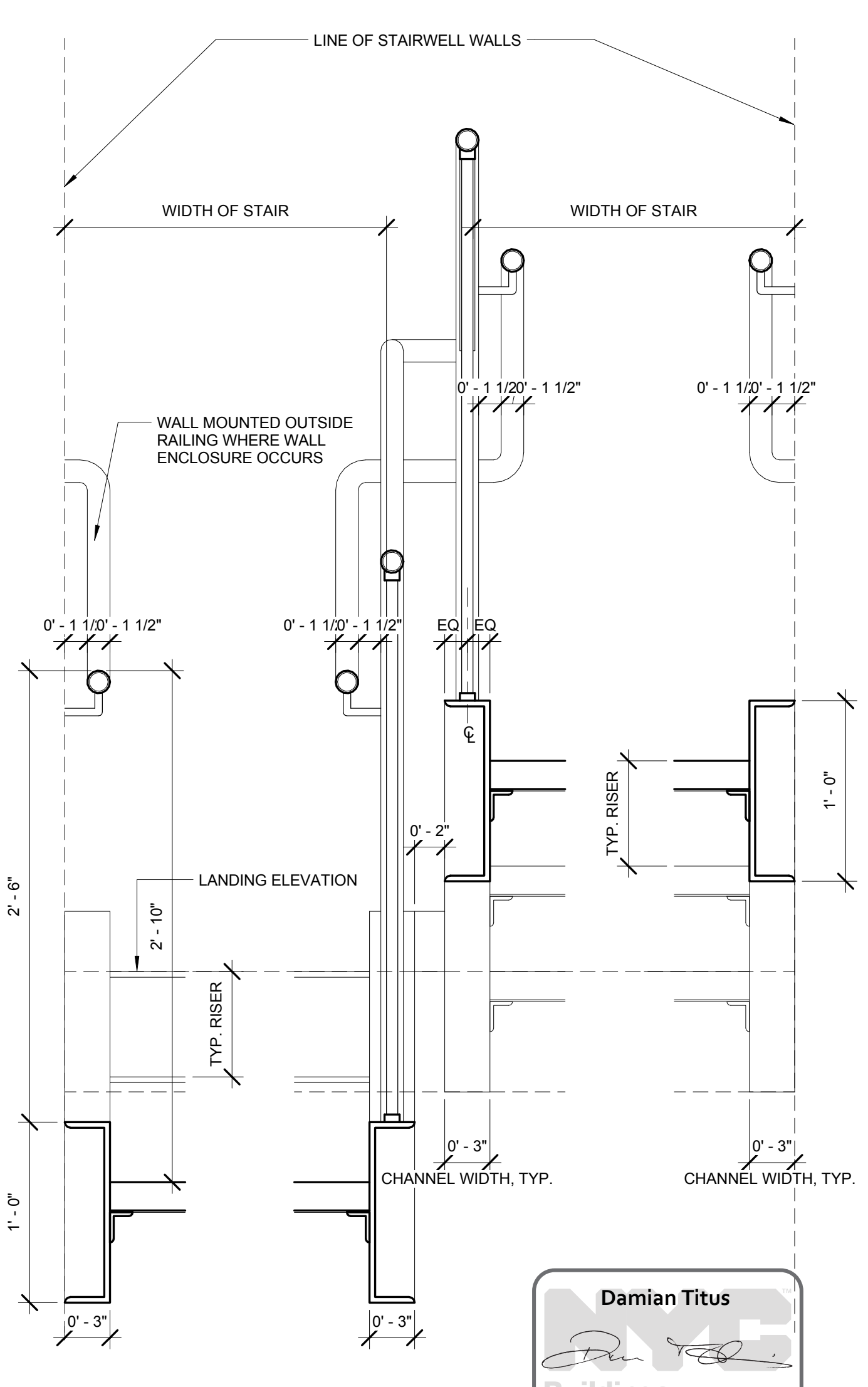
15 INTERMEDIATE LANDING - UPSIDE (WALL MOUNTED)
SCALE: 1 1/2" = 1'-0"



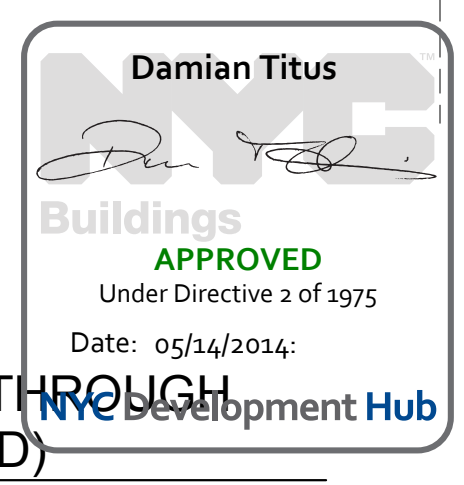
5 STAIR TERMINATION - BOTTOM (WALL MOUNTED)
SCALE: 1 1/2" = 1'-0"



3 HANDRAIL & GUARDRAIL CONTINUATION AT LANDING (WALL ENCLOSED)
SCALE: 1 1/2" = 1'-0"



1 TYP. CROSS-SECTION THROUGH STAIR (WALL ENCLOSED)
SCALE: 1 1/2" = 1'-0"



| No. | Description | Date |
|-----|----------------------------|------------|
| 1 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.R.R. - 100% MoE-PLATFORM | 11/22/2013 |
| 3 | L.R.R. - 90% SUBMISSION | 8/09/2013 |
| 4 | NYCDOB FILE | 6/12/2013 |
| 5 | L.R.R. - 60% SUBMISSION | 5/29/2013 |

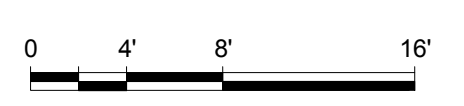
Rev. Plan

Title Date: 12/14/2012
Project No: 2119
Drawing No:
Sheet Number:
Drawing Title:

HYE-PL-A-521.00

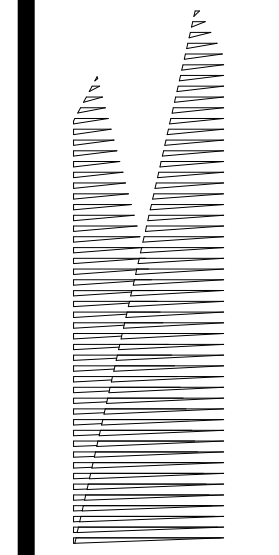
TYPICAL STAIR DETAILS

Sheet Number
A-521.00



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
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Client
 Related Companies
 60 Columbus Circle
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Construction Manager
 Tishman Construction Corporation
 100 Park Avenue, 50th Floor
 New York, NY 10017
 TEL: 212.708.3600

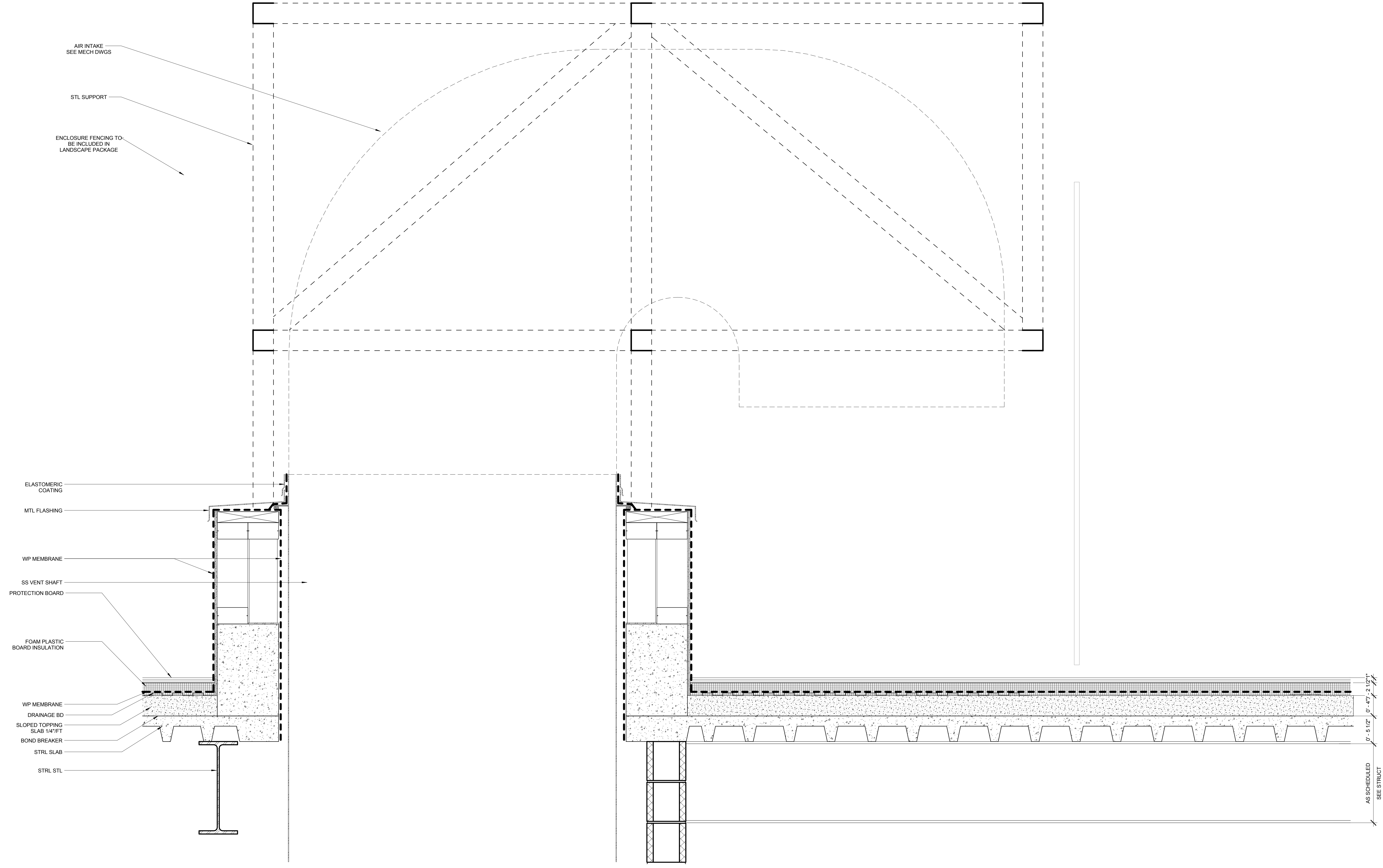
Architect
 Kohn Pedersen Fox Associates
 PC Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
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Structural Engineer
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 TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
 Ove Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 212.896.3000

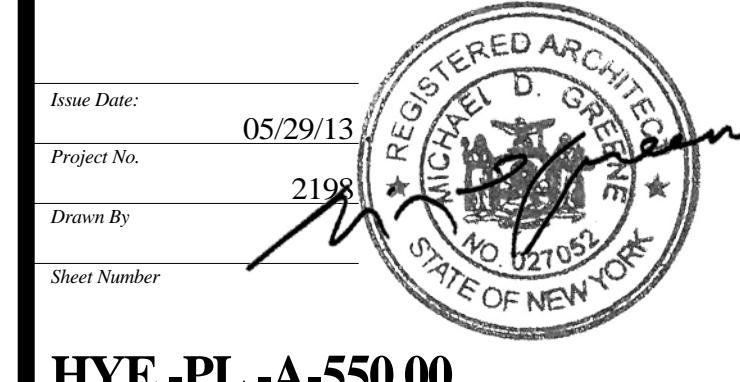
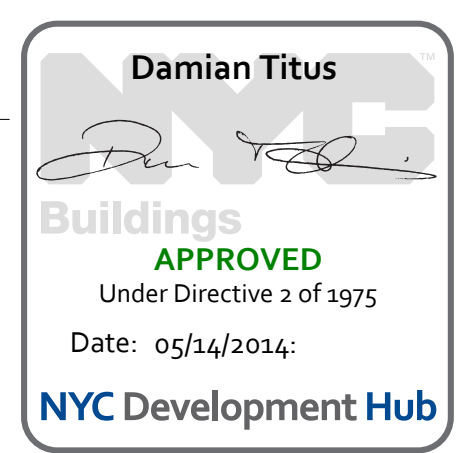
LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9200 FAX: 212.682.6172



| No. | Description | Date |
|-----|------------------------------|------------|
| 1 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.I.R.R. - 100% M&E-PLATFORM | 11/22/2013 |
| 3 | NYC DOB File | 6/12/2013 |
| 4 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |

Rev Plot

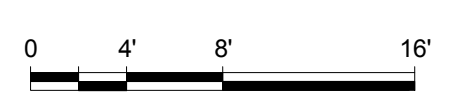
1 VENT SHAFT
 SCALE: 1/16" = 1'-0"



HYE -PL -A-550.00

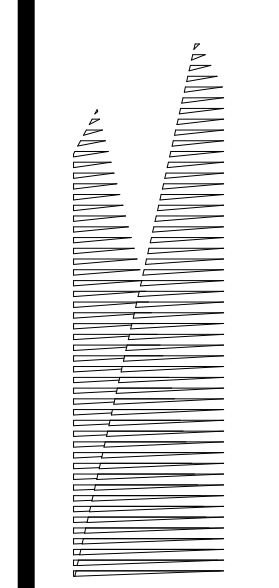
TEMPORARY VENT SHAFT (TYPICAL)

Sheet Number
A-550.00



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY



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 60 Columbus Circle
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 TEL: 212.801.1000 FAX: 212.801.1048

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Construction Manager
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 100 Park Avenue, 5th Floor
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 TEL: 212.708.3600

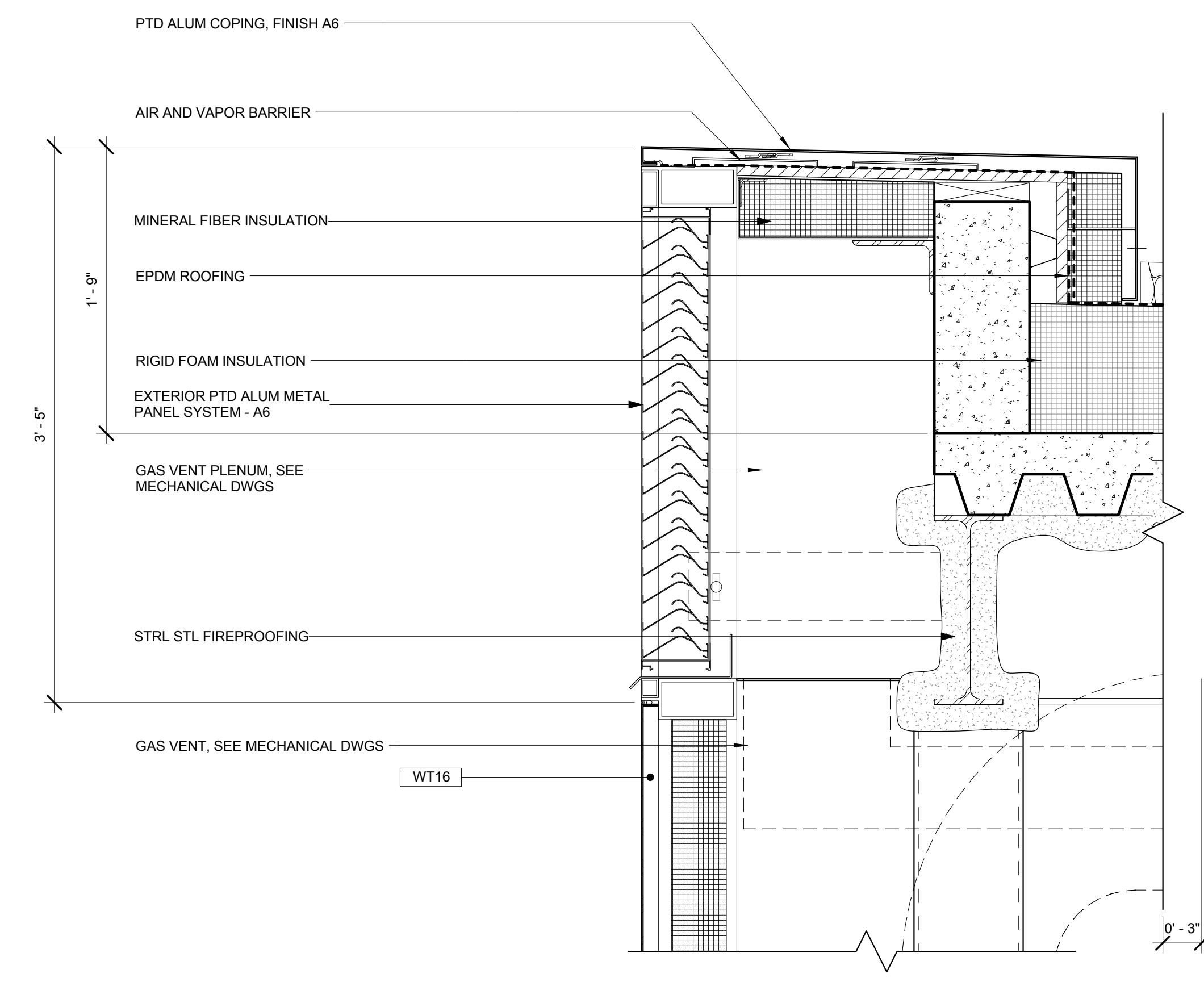
Architect
 Kohn Pedersen Fox Associates
 PC Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
 TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
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Mechanical, Electrical, Plumbing, Fire Protection
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
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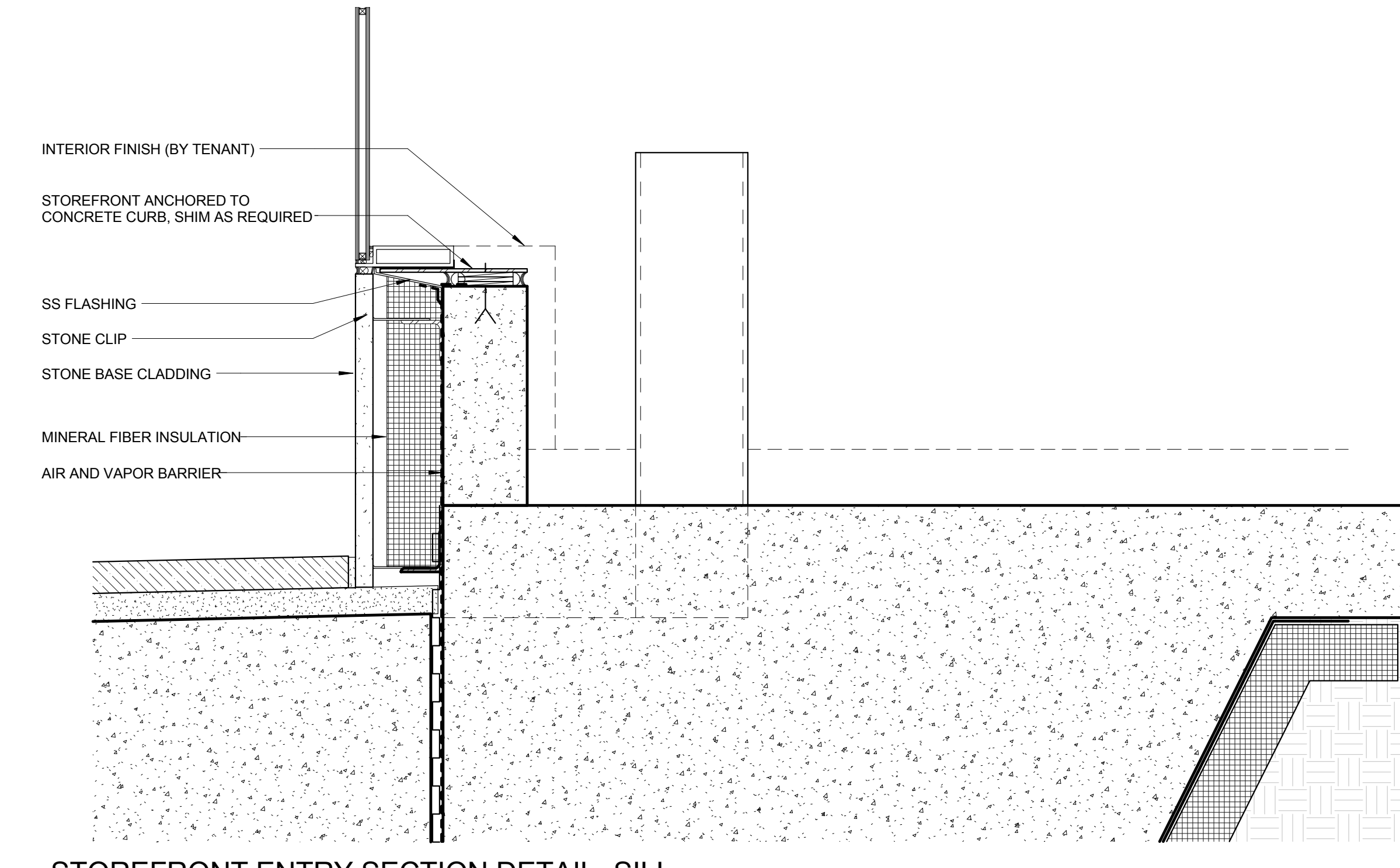
LIRR Ventilation
 Ove Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 212.896.3000

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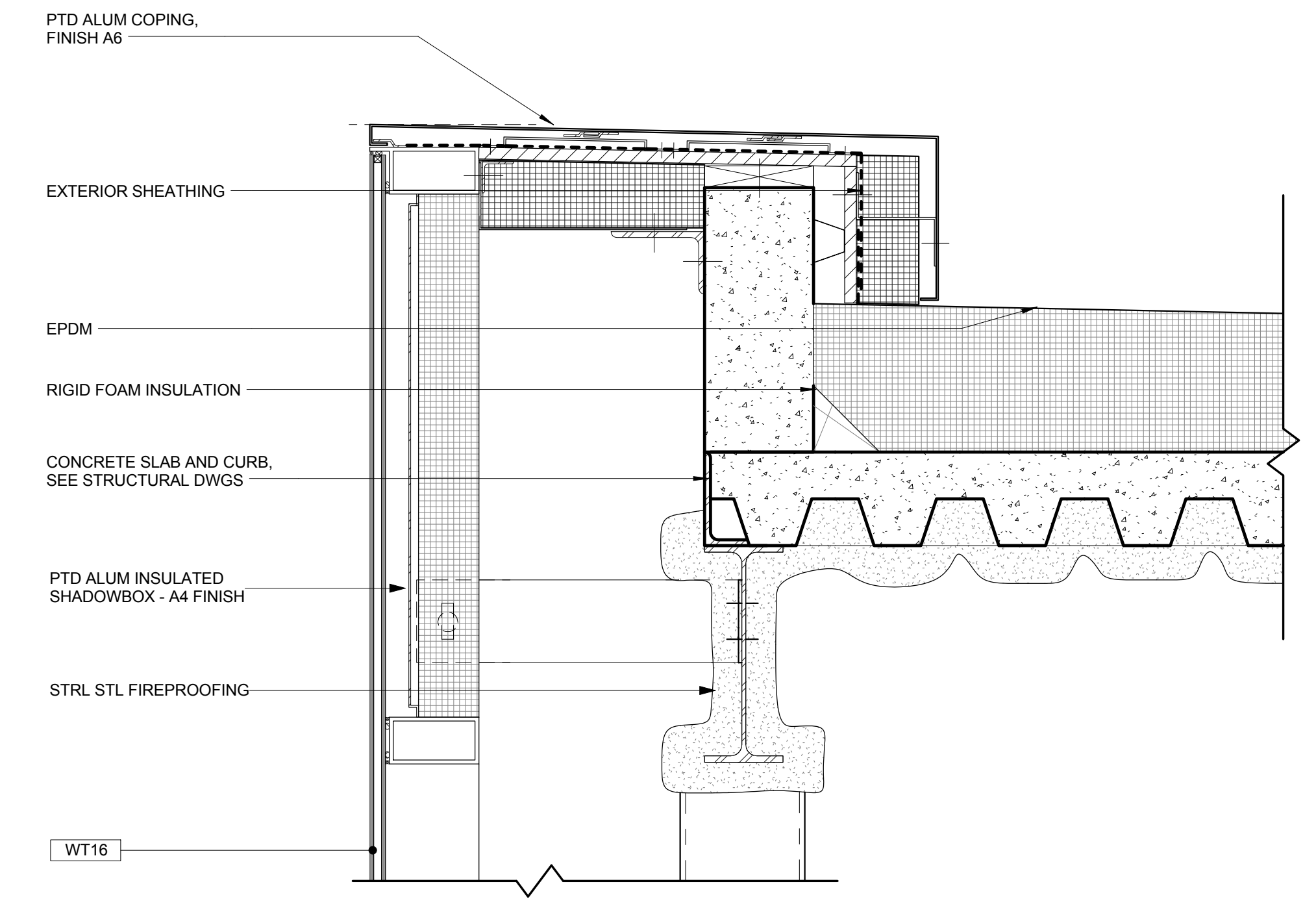
SECTION DETAIL AT STOREFRONT LOUVER PANEL

SCALE: 1 1/2" = 1'-0"



STOREFRONT ENTRY SECTION DETAIL - SILL

SCALE: 1 1/2" = 1'-0"

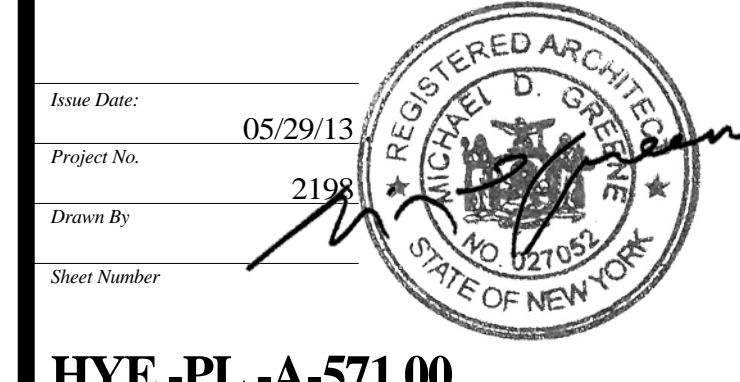
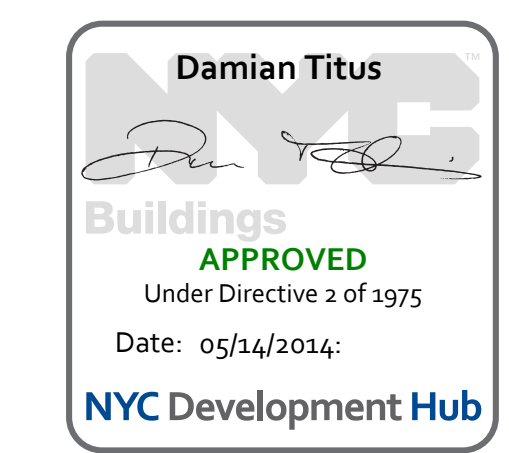


STOREFRONT ENTRY SECTION DETAIL - GLASS SPANDREL

SCALE: 1 1/2" = 1'-0"

| No. | Description | Date |
|-----|------------------------------|------------|
| 1 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.I.R.R. - 100% MoE PLATFORM | 11/22/2013 |
| 3 | L.I.R.R. - 90% SUBMISSION | 8/19/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 5 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |

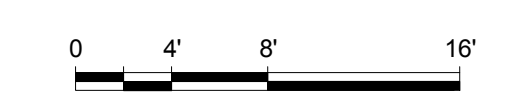
Rev Plot



HYE -PL -A-571.00

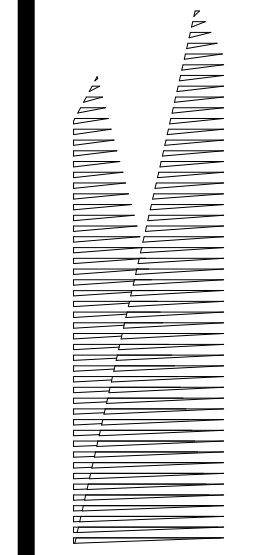
EXTERIOR ENCLOSURE DETAILS

Drawing Title
A-571.00



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY



Client
 Related Companies
 60 Columbus Circle
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 New York, NY 10022
 TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
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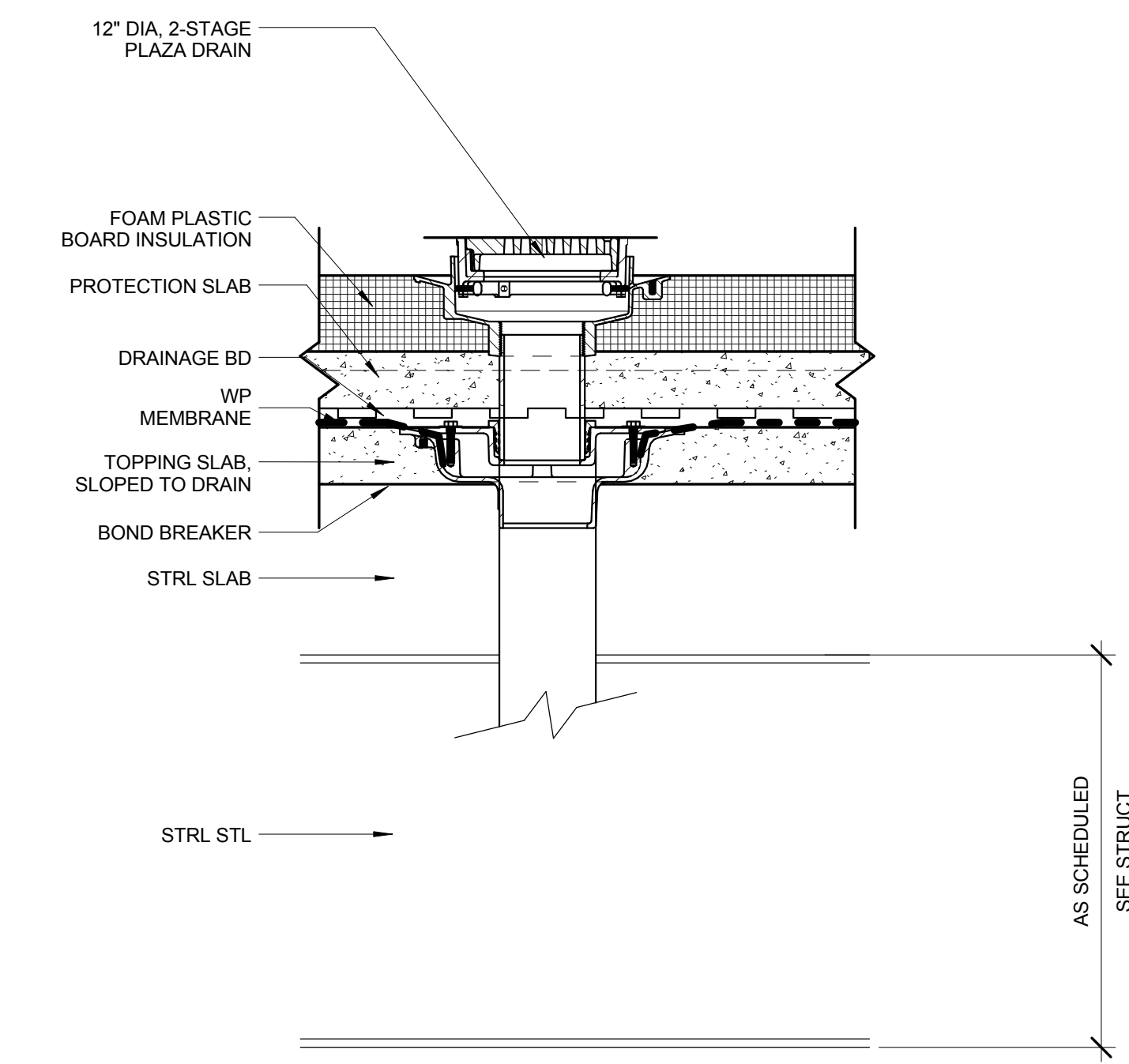
Architect
 Kohn Pedersen Fox Associates
 PC Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
 TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
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 51 Madison Avenue
 New York, NY 10010
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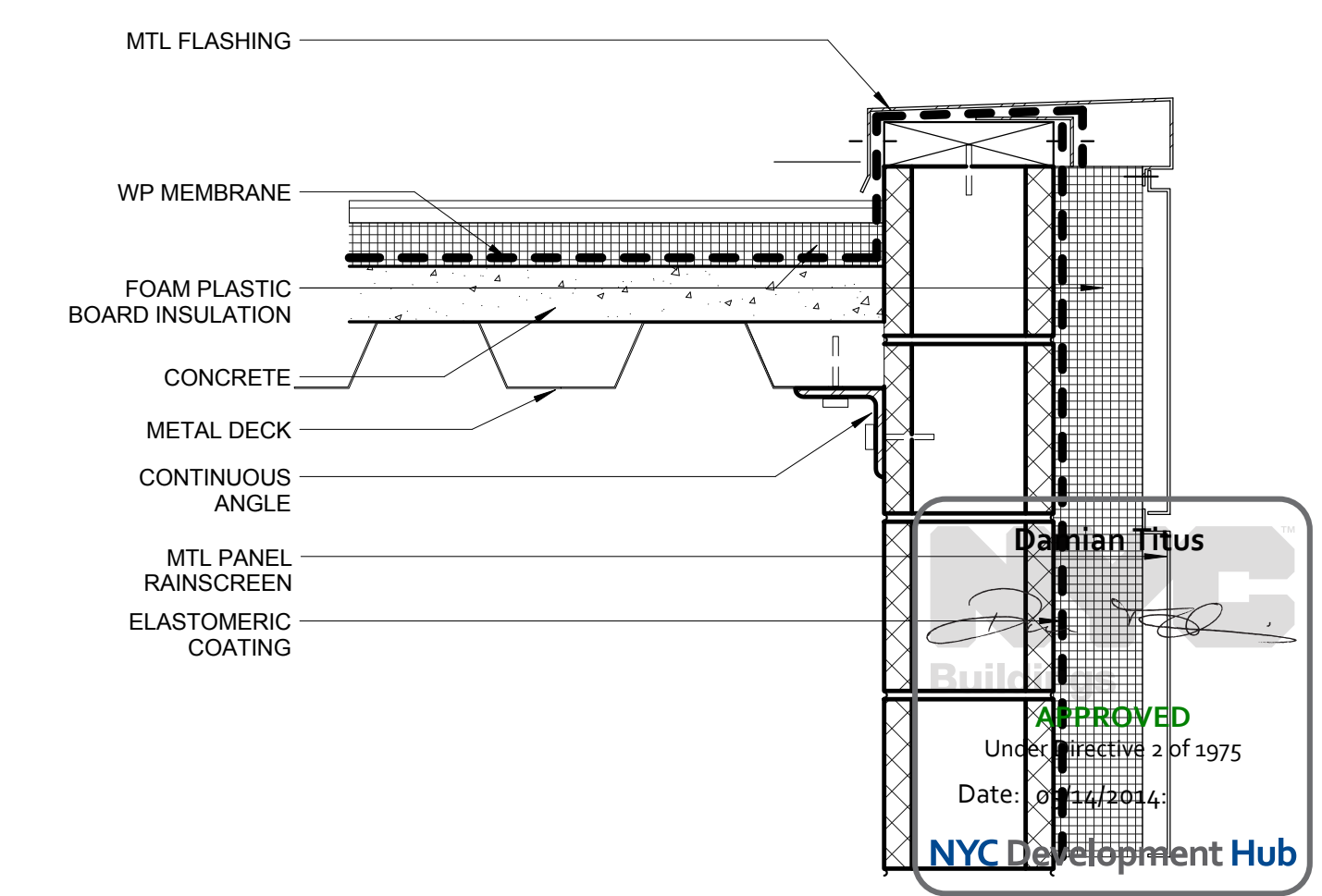
Mechanical, Electrical, Plumbing, Fire Protection
 Parsons Transportation Group
 100 Broadway
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 New York, NY 10158
 TEL: 212.973.9200 FAX: 212.682.6172



2 TERRA FIRMA EXTERIOR DETAILS
 SCALE: 1/12" = 1'-0"

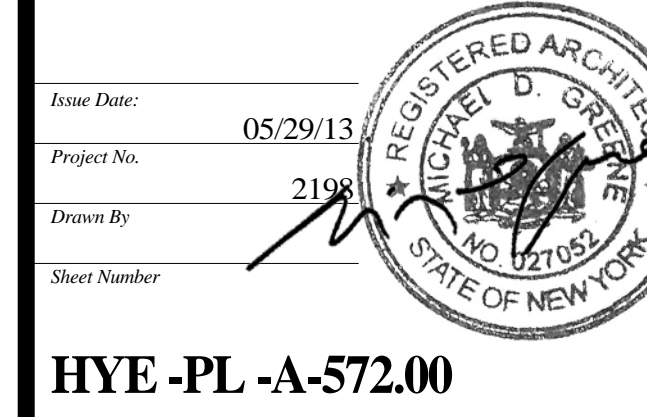


1 PLAZA STAIR BULKHEAD TOP
 SCALE: 1/12" = 1'-0"



| No. | Description | Date |
|-----|------------------------------|------------|
| 3 | DOB SUBMISSION | 10/18/2013 |
| 4 | L.I.R.R. - 100% M&E-PLATFORM | 11/22/2013 |
| 3 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 2 | NYC DOB File | 6/17/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | Revision | 5/29/2013 |

Rev Plot

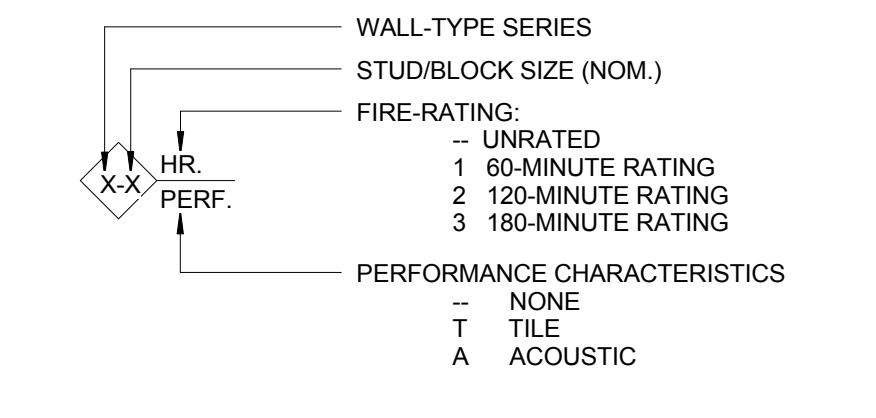


HYE -PL -A-572.00

EXTERIOR ENCLOSURE DETAILS

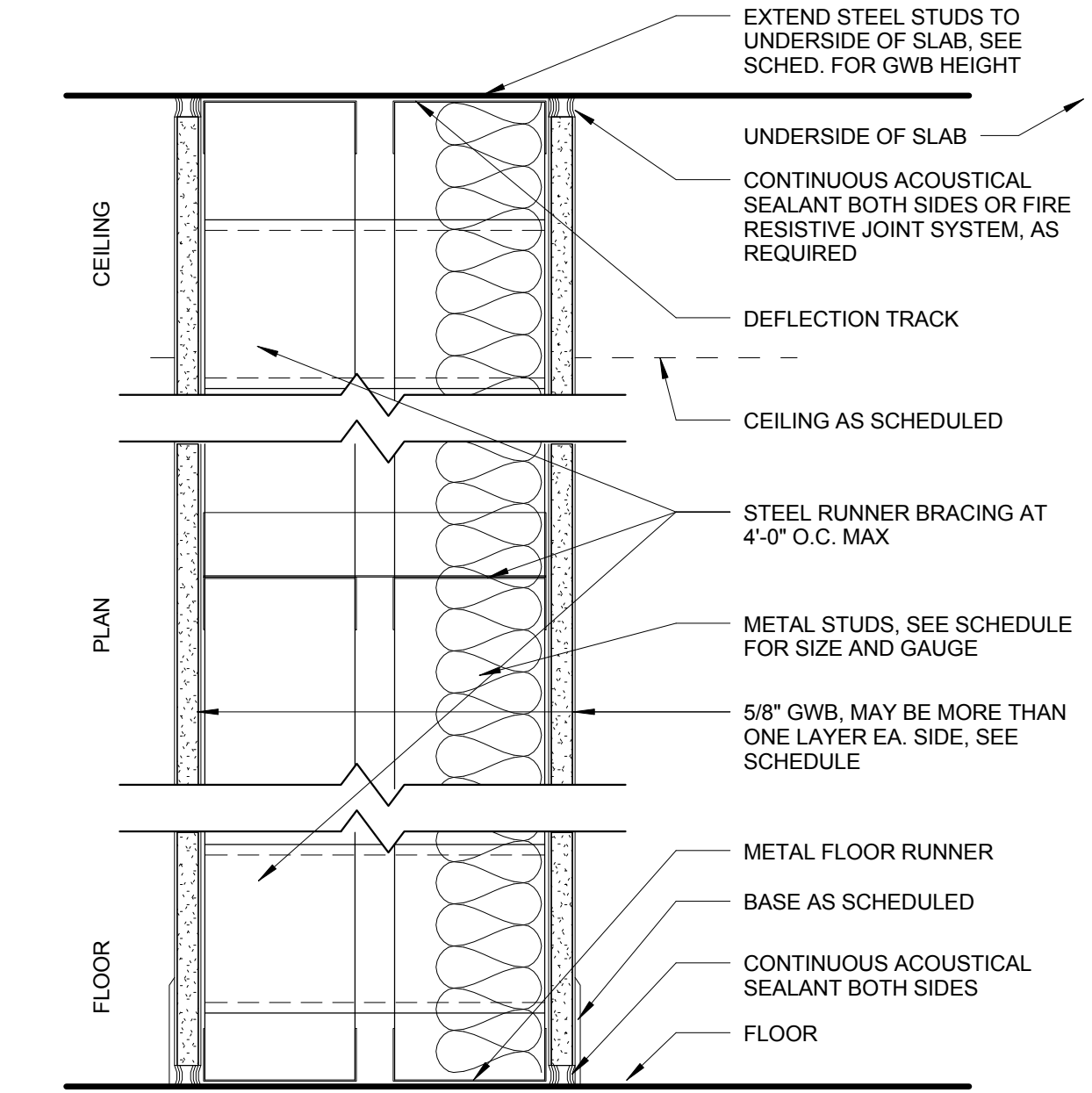
Drawing Title
A-572.00

| Wall Schedule | | | | | | | | | | Fire Rating | | Sound Transmission | | Remarks |
|---------------|--------------------------------------|------------------|----------------|------------|-----------|-----------------------|---------------|-----------------------|------------------------|---------------|-----------|--------------------|---|---------|
| Type | Description | Width | No. GWB Layers | GWB. Thick | Stud Size | USG Stud No. 20 Gauge | Stud Spacing | Max Height L/240 def. | Fire Rating () = Hour | U.L. Wall No. | Fire Res. | STC Rating | S.A.F.B. Thick. (in.) | |
| | 7 5/8" CMU carpet | 7 1/2" | | | | | | | | | | | | |
| | Coping 1 | | | | | | | | | | | | | |
| | Exterior - 5" Concrete | 5" | | | | | | | | | | | | |
| | Exterior - 9" Concrete | 9" | | | | | | | | | | | | |
| | Exterior - 10" Concrete | 10" | | | | | | | | | | | | |
| | Exterior - 13" Concrete | 1'-1" | | | | | | | | | | | | |
| | Exterior - 15" Concrete | 1'-3" | | | | | | | | | | | | |
| | Exterior - Metal Panel on Insul - 2" | 2" | | | | | | | | | | | | |
| | Sheet | 1/2" | | | | | | | | | | | | |
| | SILVER ROOM WALL 19" | 1'-7" | | | | | | | | | | | | |
| 1-Series | Wall Partition 1-3 | 1-Series 1-3 | 4 1/2" | 1 | 5/8" | 3 5/8" | 212ST20 | 16" | 17'-3" | | | | | |
| | Wall Partition 1-3-A | 1-Series 1-3-A | 5" | 2 | 5/8" | 3 5/8" | 212ST20 | 16" | 17'-3" | | | 49 | | |
| | Wall Partition 1-3-T | 1-Series 1-3-T | 4 1/2" | 1 | 5/8" | 3 5/8" | 212ST20 | 16" | 17'-3" | | | | | |
| 2-Series | Wall Partition 2-3 | 2-Series 2-3 | 5" | 2 | 5/8" | 3 5/8" | 358ST20 | 16" | 17'-11" | U465 | HW-D-0016 | 49 | | |
| | Wall Partition 2-3-T | 2-Series 2-3-T | 5" | 2 | 5/8" | 3 5/8" | 358ST20 | 16" | 17'-11" | U465 | HW-D-0016 | 49 | Include Tile | |
| 3-Series | Wall Partition 3-3-A | 3-Series 3-3-A | 5" | 3 | 5/8" | 3 5/8" | 358ST20 | 16" | 17'-11" | | | 49 | | |
| | Wall Partition 4-3 | 3-Series 4-3 | 6" | 3 | 5/8" | 3 5/8" | 358ST20 | 16" | 17'-11" | | | 49 | Include 3" Acoustic Blanket Double-Layer on Control Room Side | |
| C-Series | Wall Partition C-4 | C-Series C-4 | 4" | | | | | | | | | | | |
| | Wall Partition C-6 | C-Series C-6 | 6" | | | | | | | | | | | |
| | Wall Partition C-8 | C-Series C-8 | 8" | | | | | | | | | | | |
| | Wall Partition C-8-3 | C-Series C-8-3 | 8" | | | | | | 3 | | | | | |
| | Wall Partition C-10 | C-Series C-10 | 10" | | | | | | | | | | | |
| | Wall Partition C-12 | C-Series C-12 | 1'-0" | | | | | | | | | | | |
| M-Series | Wall Partition M-4 | M-Series M-4 | 3 1/2" | | | | | | | | | | | |
| | Wall Partition M-6 | M-Series M-6 | 6" | | | | | | | | | 49 | | |
| | Wall Partition M-7 | M-Series M-7 | 7" | | | | | | | | | 49 | | |
| | Wall Partition M-8 | M-Series M-8 | 8" | | | | | | | | | 49 | | |
| | Wall Partition M-8-1 | M-Series M-8-1 | 8" | | | | | | 1 | U905 | | 49 | | |
| | Wall Partition M-8-2 | M-Series M-8-2 | 7 1/2" | | | | | | 2 | U905 | | 49 | | |
| | Wall Partition M-9-3 | M-Series M-9-3 | 7 1/2" | | | | | | 3 | | | 49 | | |
| | Wall Partition M-9 | M-Series M-9 | 9" | | | | | | | | | 49 | | |
| | Wall Partition M-12 | M-Series M-12 | 1'-0" | | | | | | | | | 49 | | |
| | Wall Partition M-12-2 | M-Series M-12-2 | 1'-0" | | | | | | 2 | | | 49 | Solid Masonry w/ Fire Resistive Sealant | |
| ST-Series | Galvanized Wire Fabric Partition | ST-Series ST-4 | 2" | | | | | | | U465 | HW-D-0016 | | See Section 102213 | |
| | Wall Partition ST-1-2 (T) | ST-Series ST-1-2 | 7 1/2" | 2 | 5/8" | 4" | 400CH20/JSTUD | 24" | 14'-5" | 2 | HW-D-0016 | | | |

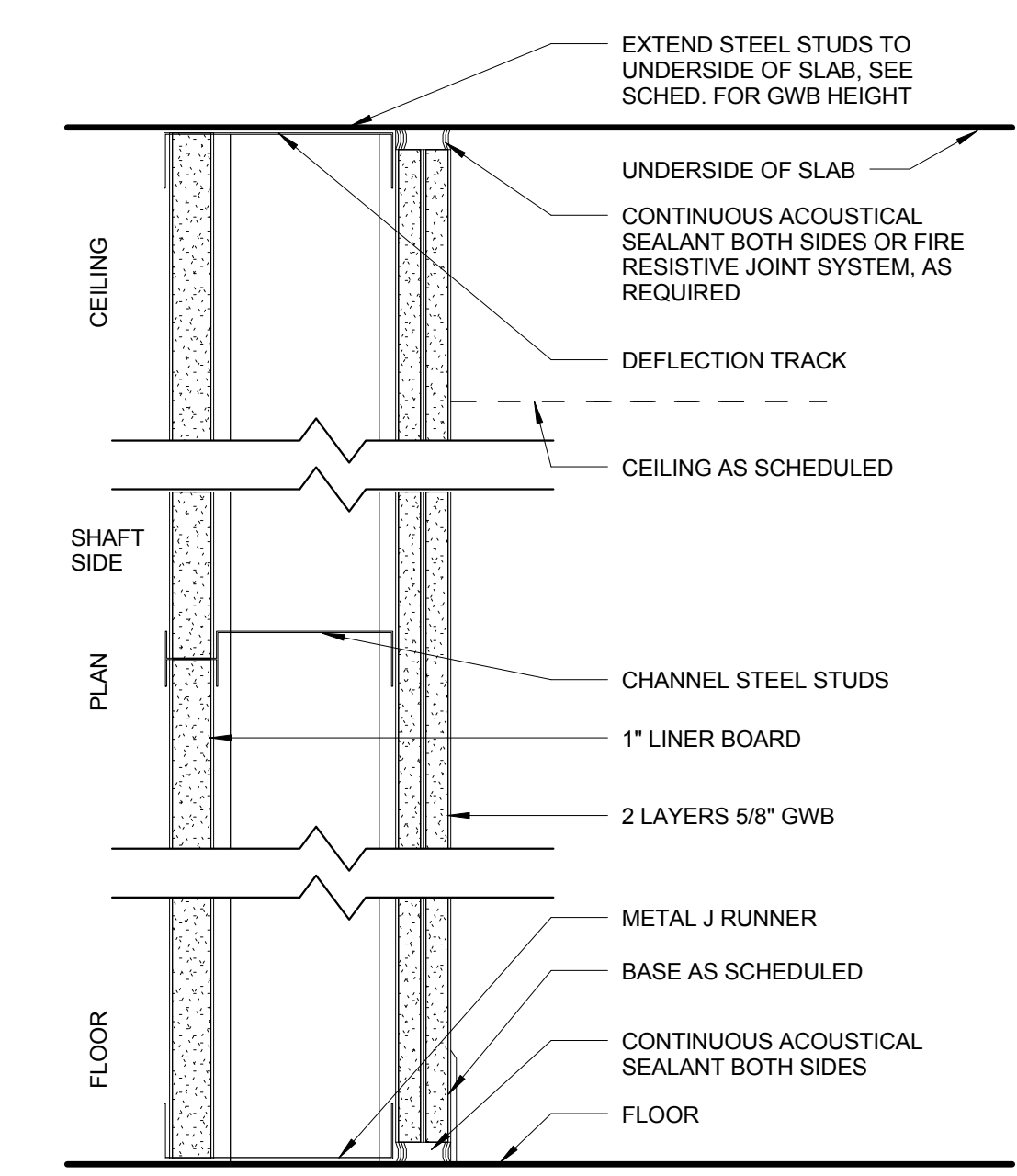


GENERAL NOTES:
 1. INSULATION TYPES IDENTIFY MATERIALS IN SPECIAL PARTITION TYPES AND MAY BE USED AS A PERFORMANCE CHARACTERISTIC OF A STANDARD PARTITION TYPE. SEE SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.
 2. DOUBLE 18-GAUGE STUDS SHALL BE INSTALLED ON EACH SIDE OF ALL DOOR OPENINGS AND AREAS THAT WILL SUPPORT SIGNS, CABINETS OR SHELVING.

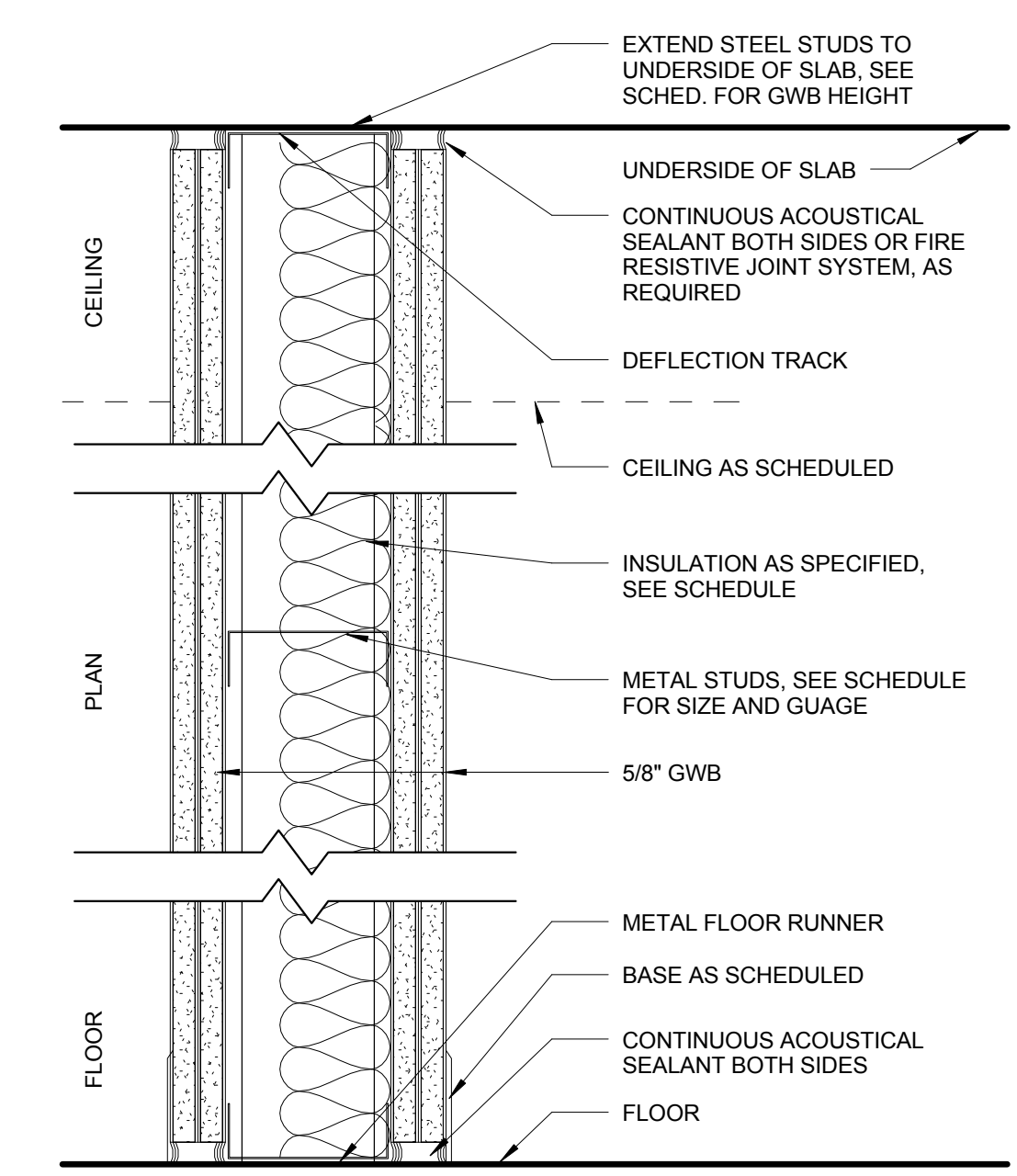
| SPACE USE/ RECOMMENDED NC | |
|---------------------------|------------------------------|
| SPACE TYPE/ USE | RECOMMENDED BACKGROUND NOISE |
| CONTROL ROOM & PSCC | NC-35 |
| CONFERENCE ROOMS | NC-35 |
| PRIVATE OFFICES | NC-35 |
| OPEN PLAN OFFICES | NC-40 |
| LUNCH ROOM | NC-40 |
| CORRIDORS | NC-45 |
| LOCKER ROOMS | NC-45 |



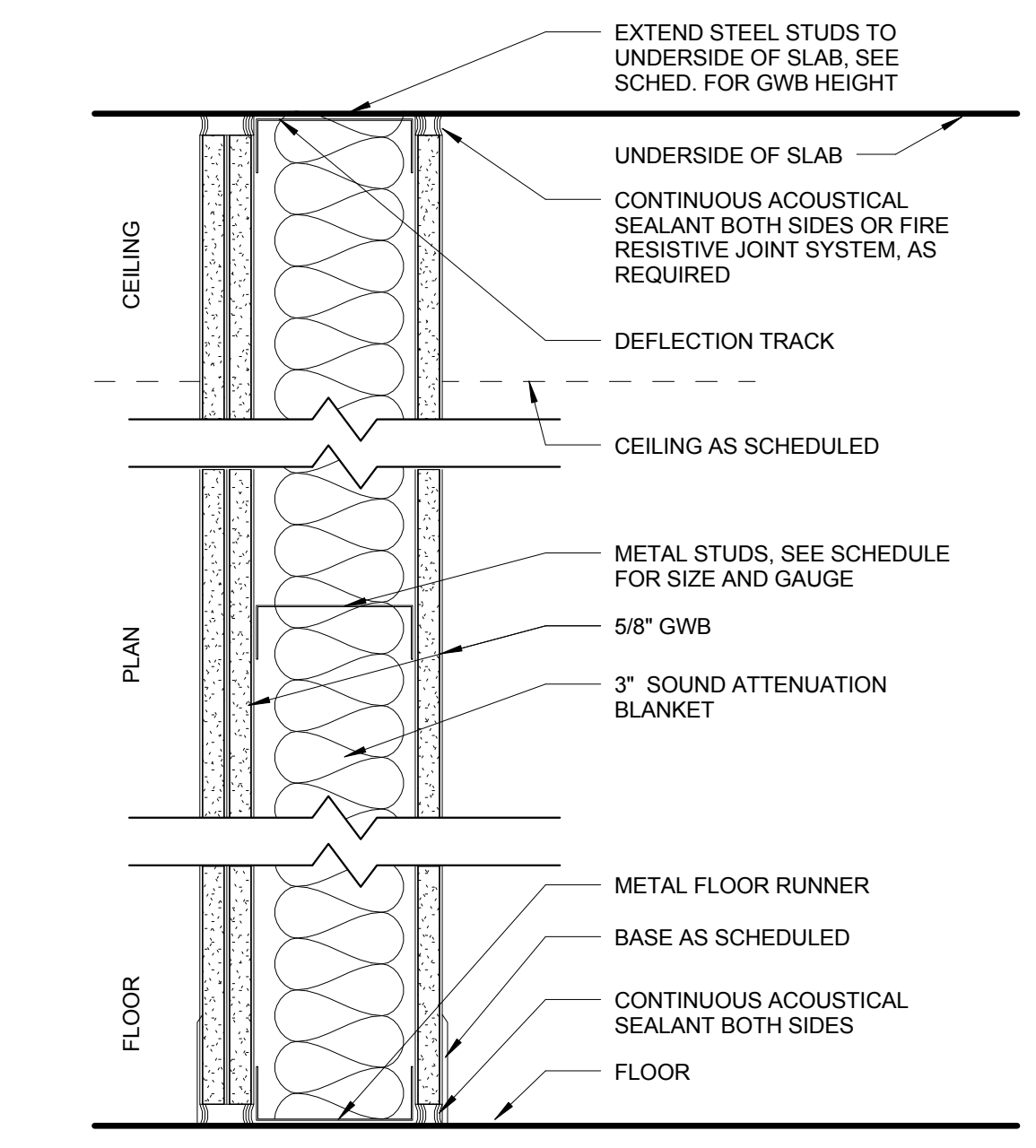
1-SERIES PARTITION - 2 LAYER GWB
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



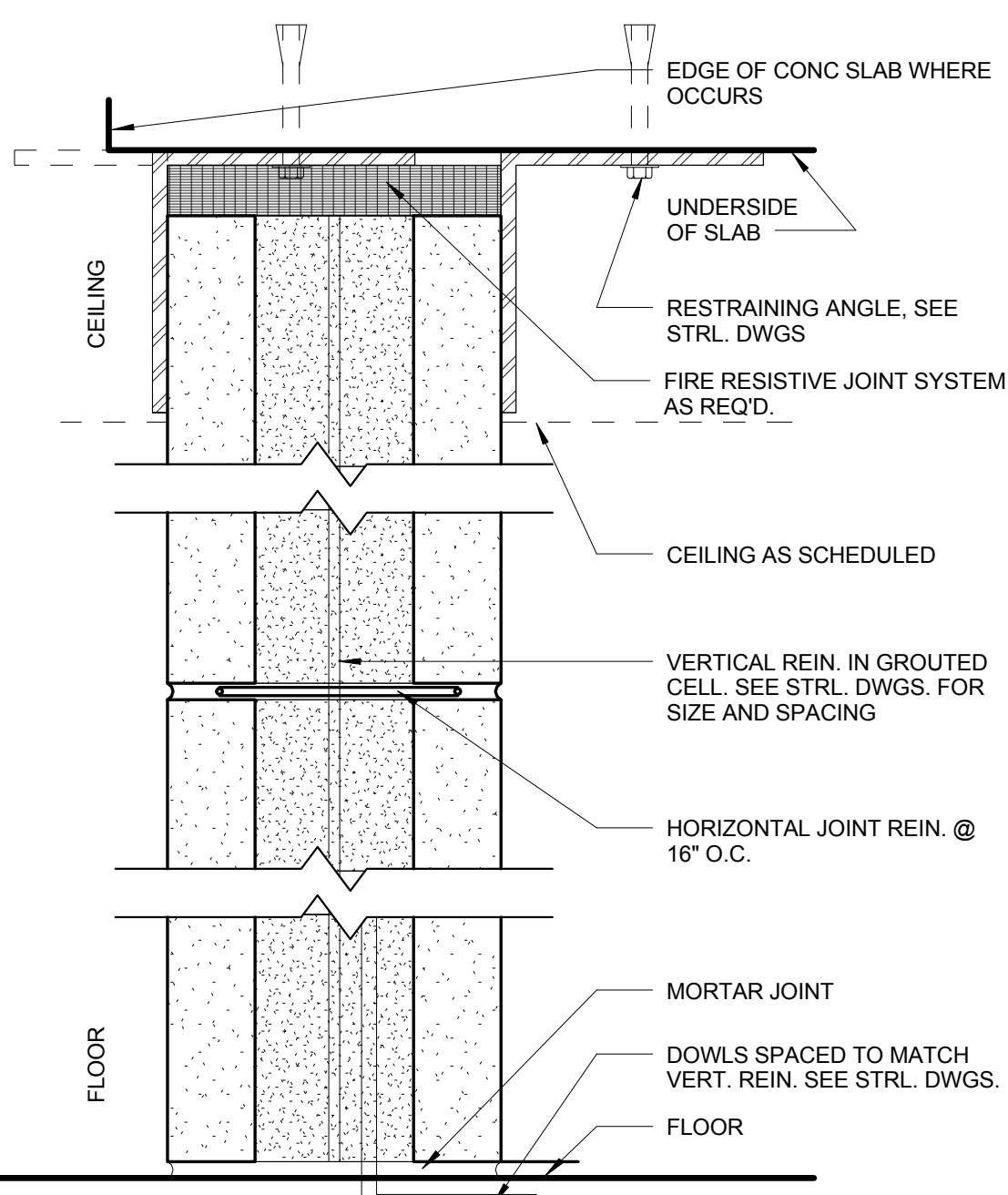
CH-SERIES PARTITION
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



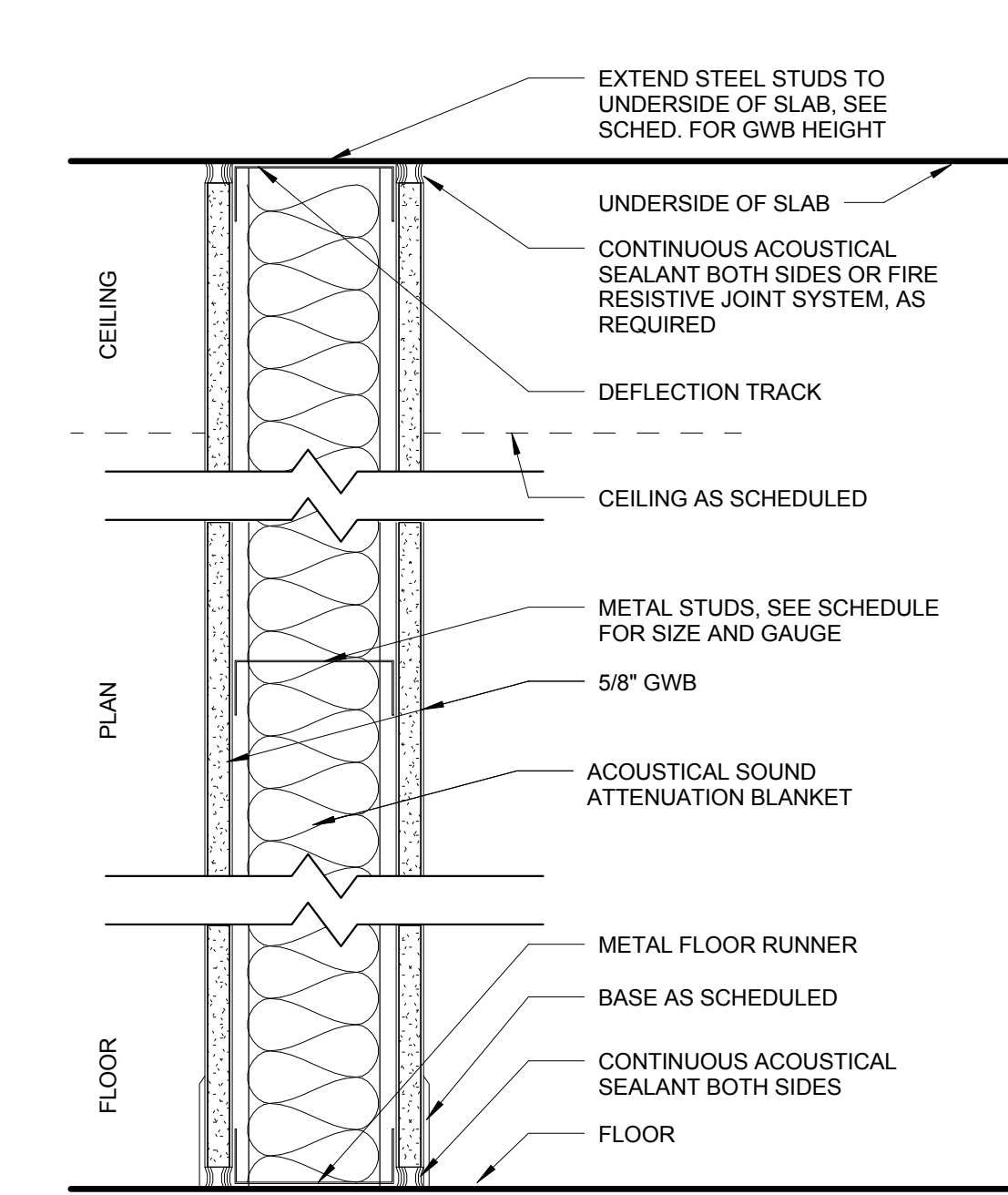
4-SERIES PARTITION - 4 LAYER GWB
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



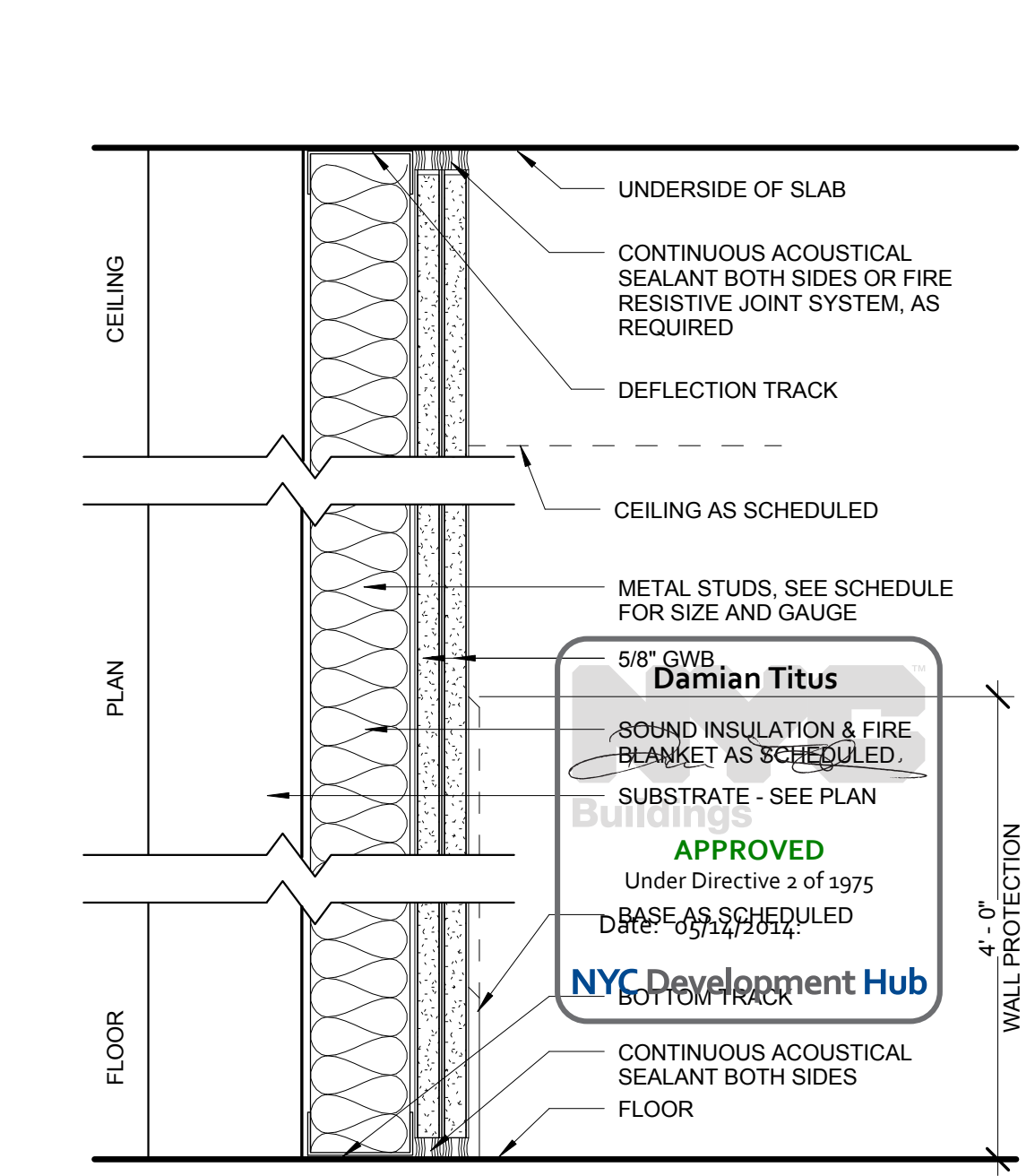
3-SERIES PARTITION - 3 LAYER GWB
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



M-SERIES CMU WALL
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



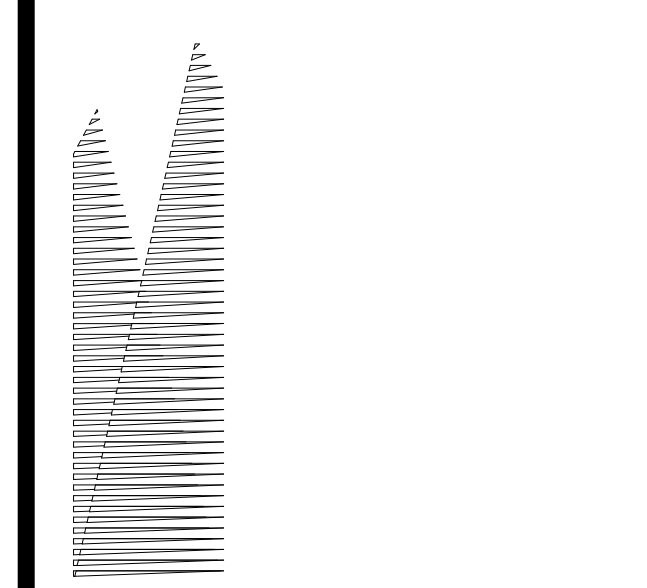
2-SERIES PARTITION - 2 LAYER GWB
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



1-SERIES PARTITION - 1 LAYER GWB
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION

HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY



Client
 Related Companies
 60 Columbus Circle
 New York, NY 10023
 TEL: 212.801.1000 FAX: 212.801.1048

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 New York, NY 10022
 TEL: 212.986.7514 FAX: 212.986.7510

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 TEL: 212.708.3600

Architect
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 PC Architects & Planning Consultants
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LRR Ventilation
 Ove Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 212.896.3000

LRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9300 FAX: 212.682.6172

| No. | Description | Date |
|-----|-----------------------------|------------|
| 1 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.R.R. - 100% MoE PLATFORM | 11/22/2013 |
| 3 | L.R.R. - 90% MoE SUBMISSION | 10/04/2013 |
| 4 | L.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 6 | NYC DOB Filing | 6/17/2013 |
| 7 | L.R.R. - 60% SUBMISSION | 5/20/2013 |
| 8 | L.R.R. - 50% SUBMISSION | 2/15/2013 |

Rev. Plan

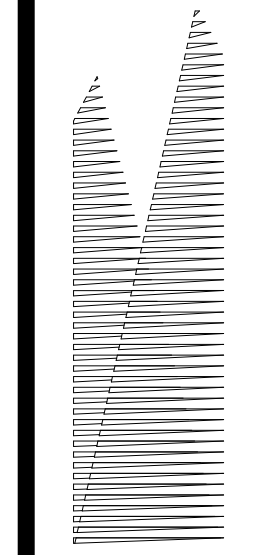
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 Project No: 2108
 Drawn By: [Signature]
 Check By: [Signature]
 Title: [Signature]

HYE-PL-A-601.00
 Drawing File

Approved
 Under Directive 3 of 1975
 NYC Development Hub
 A-601.00
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION

HUDSON YARDS - PLATFORM

Address:
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 NEW YORK, NY



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 New York, NY 10022
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LIRR Ventilation
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 New York, NY 10005
 212.896.3000

LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9200 FAX: 212.682.6172

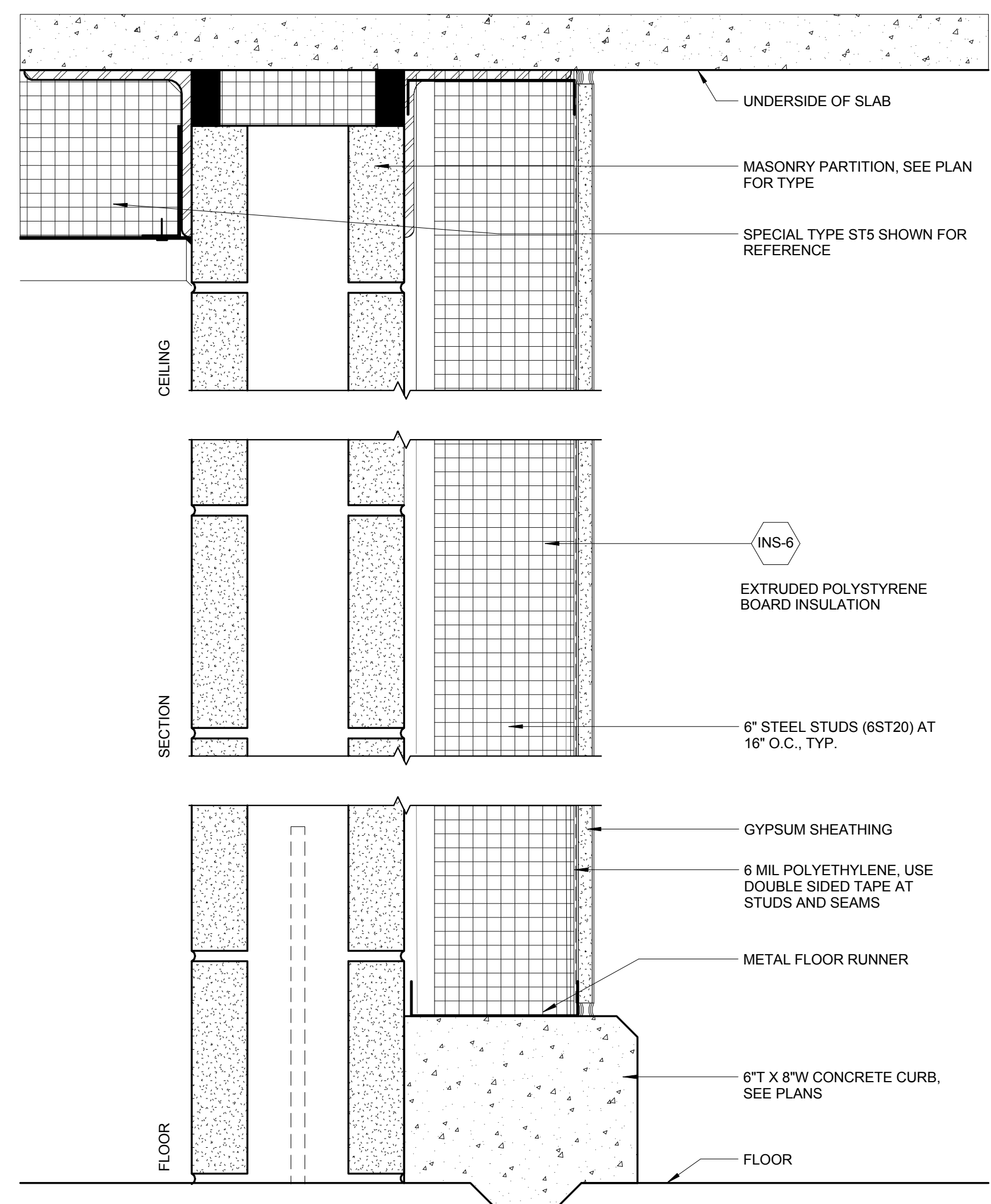
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| 1 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.I.R.R. - 100% M&E PLATFORM | 11/22/2013 |
| 3 | L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 4 | L.I.R.R. - 80% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 6 | NYC DOB Filing | 6/17/2013 |
| 7 | L.I.R.R. - 60% SUBMISSION | 5/20/2013 |
| 8 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

Rev. Plan

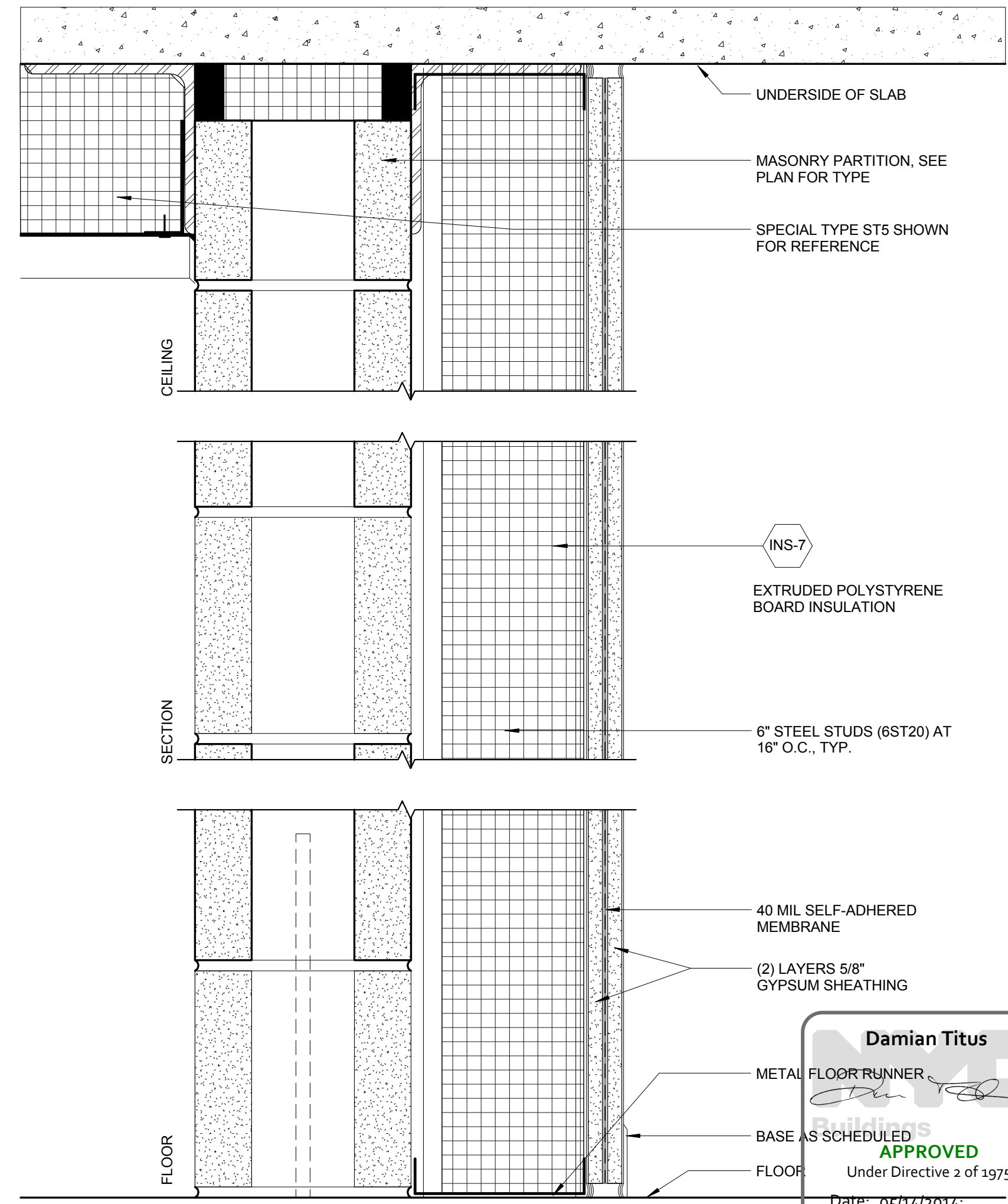
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 Project No: 219
 Drawn By: [Signature]
 Sheet Number: [Signature]
 Drawing Title: HYE -PL -A-602.00

HYE -PL -A-602.00

SPECIALTY PARTITION TYPES
 Drawing Title: A-602.00

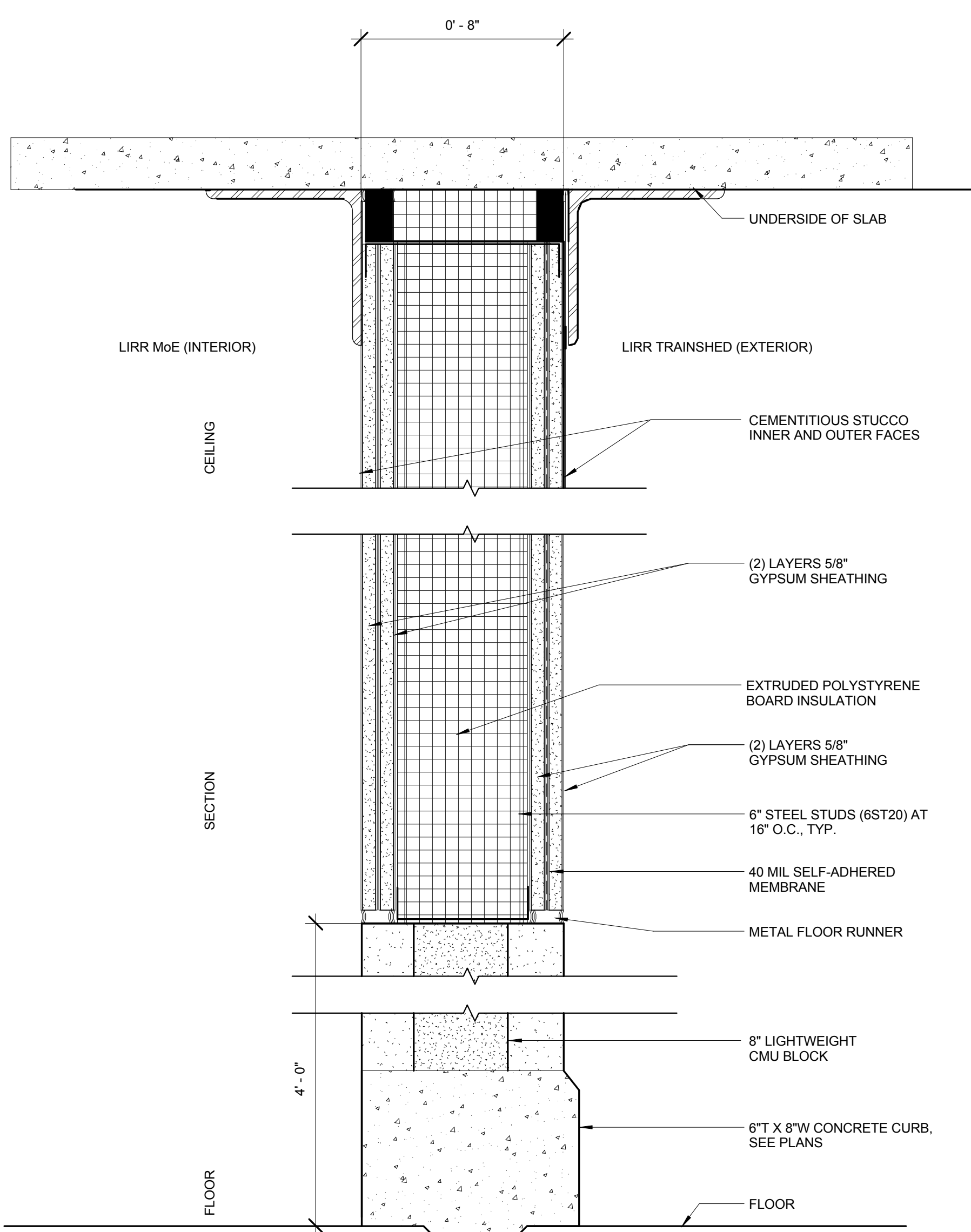


ST2-SERIES PARTITION
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



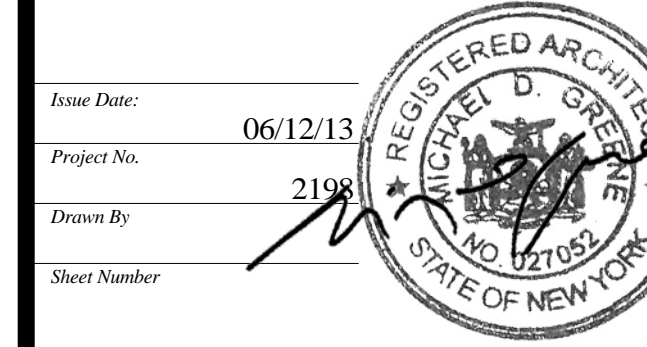
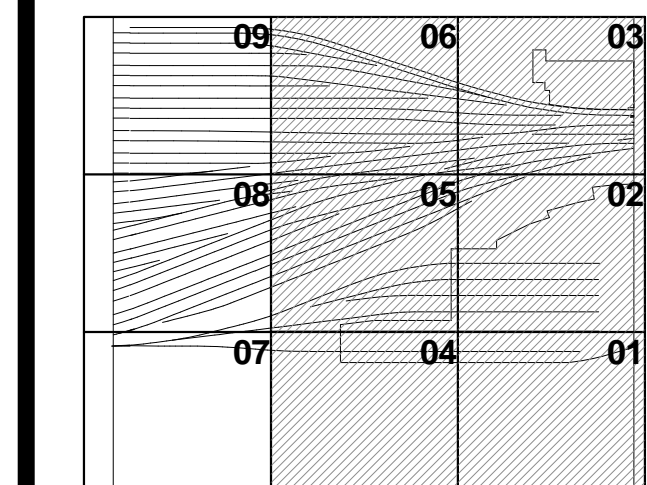
ST1-SERIES PARTITION
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION

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 Under Directive 3 of 1975
 Date: 05/14/2014
 NYC Development Hub



ST3-SERIES PARTITION
 N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION

| | |
|----------------------------------|------------|
| 7. DOB SUBMISSION | 10/18/2013 |
| 6. L.I.R.R. - 100% MoE-PLATFORM | 11/22/2013 |
| 5. L.I.R.R. - 60% MoE SUBMISSION | 10/04/2013 |
| 4. L.I.R.R. - 60% MoE SUPPLEMENT | 8/02/2013 |
| 3. L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 2. NYC DOB FILE | 6/17/2013 |
| 1. L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| Description | Date |



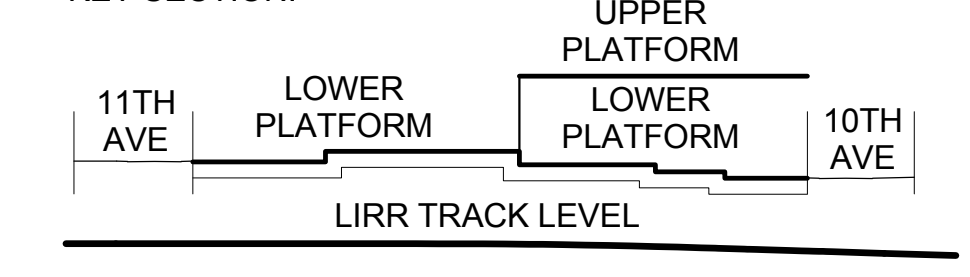
HYE-PL-A-800.00

FLOOR PLAN MoE TRACK LEVEL OVERALL PLAN

Drawn by: **A-800.00**

GENERAL NOTES

1. HATCHED AREA DENOTES PROPOSED NON-LIRR AREA
2. HATCHED AREA DENOTES LIRR PLATFORM SCOPE NOT INCLUDED IN THE SCOPE OF MOE/ACI SUBSTATION/CONTROL TOWER SUBMISSION
3. PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:



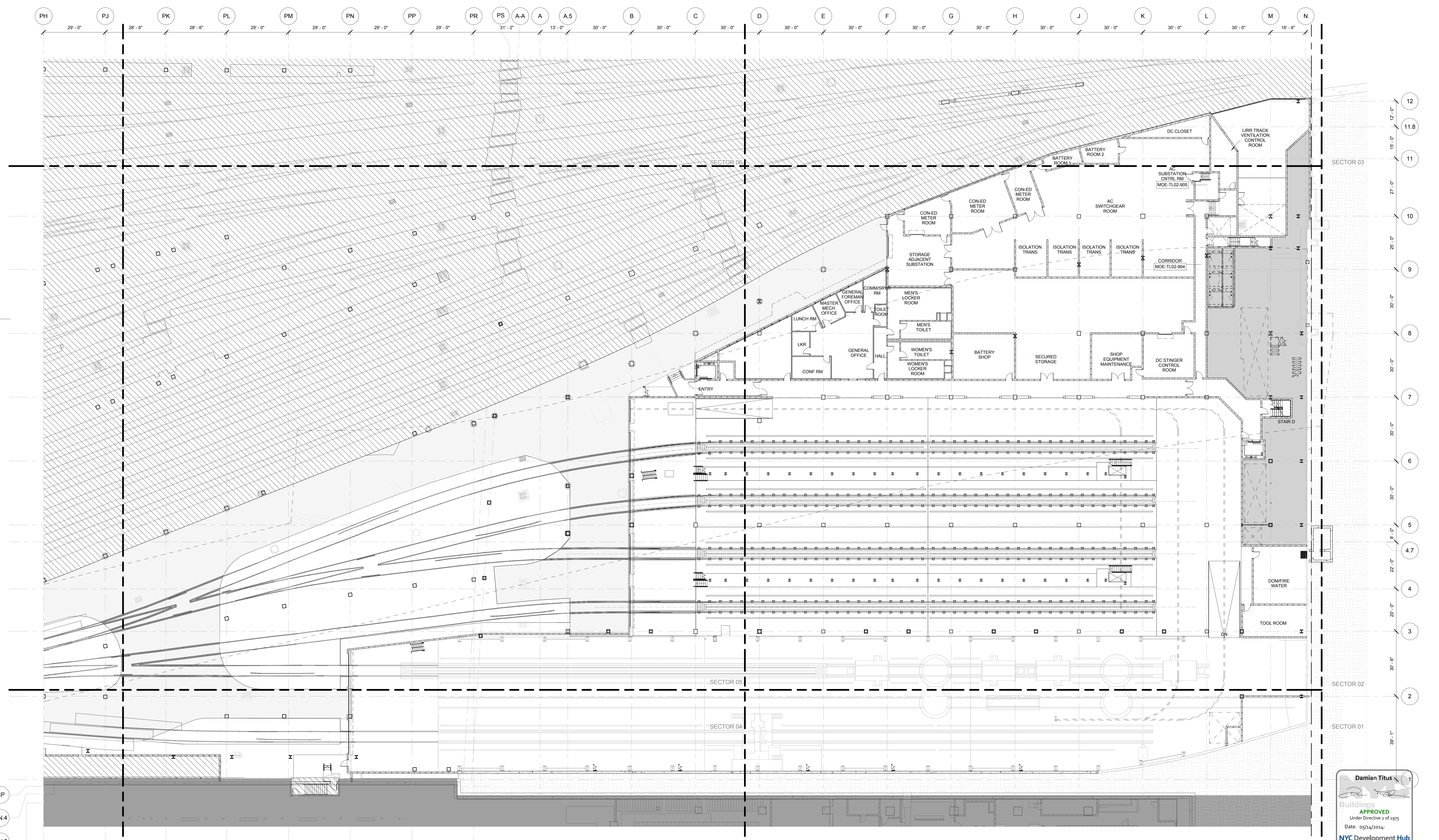
SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

SYMBOL KEY

| | |
|--|-------------------|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |

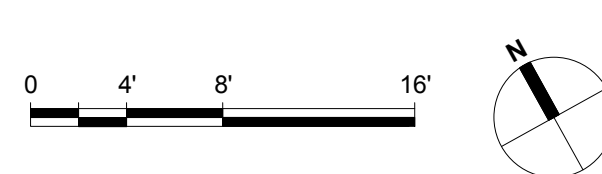
SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

4. LIRR EXISTING UTILITIES SHOWN FOR INFORMATION EXISTING UTILITIES BASED ON AS-BUILT DRAWINGS DATED 1982. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
5. LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.
6. WATERPROOFING TO BE INSTALLED FOR ALL NEW SLABS ON GRADE. SEE STRUCTURAL DRAWINGS FOR EXTENT.



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Date: 05/14/2014
NYC Development Hub

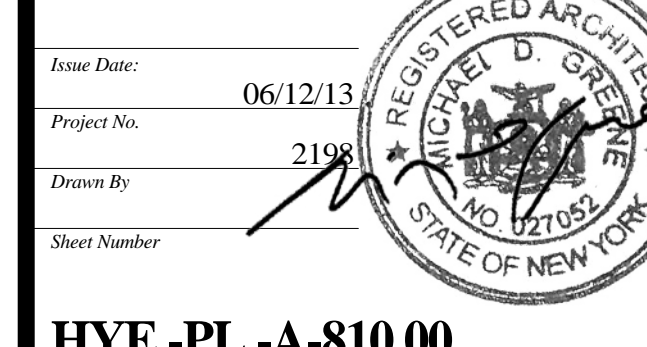
1 MoE TRACK LEVEL OVERALL PLAN
SCALE: 1/16" = 1'-0"



A-800.00
10/29/2013 1:47:43 PM
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| | |
|----------------------------------|------------|
| 7. DOB SUBMISSION | 10/18/2013 |
| 6. L.I.R.R. - 100% MoE-PLATFORM | 11/22/2013 |
| 5. L.I.R.R. - 60% MoE SUBMISSION | 10/04/2013 |
| 4. L.I.R.R. - 60% MoE SUPPLEMENT | 8/02/2013 |
| 3. L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 2. NYC DOB FILE | 6/17/2013 |
| 1. L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| Prep | File |

Rev. No. Description Date



HYE-PL-A-810.00

FLOOR PLAN MoE CONTROL TOWER/ ENTRY LEVEL OVERALL

Drawn by: **A-810.00**

GENERAL NOTES

- HATCHED AREA [diagonal lines] DENOTES PROPOSED NON-LIRR AREA
- HATCHED AREA [cross-hatch] DENOTES LIRR PLATFORM SCOPE NOT INCLUDED IN THE SCOPE OF MOE/ACI SUBSTATION/CONTROL TOWER SUBMISSION
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA - PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM
KEY SECTION:
[Diagram showing Upper Platform, Lower Platform, and LIRR Track Level between 11th Ave and 10th Ave]

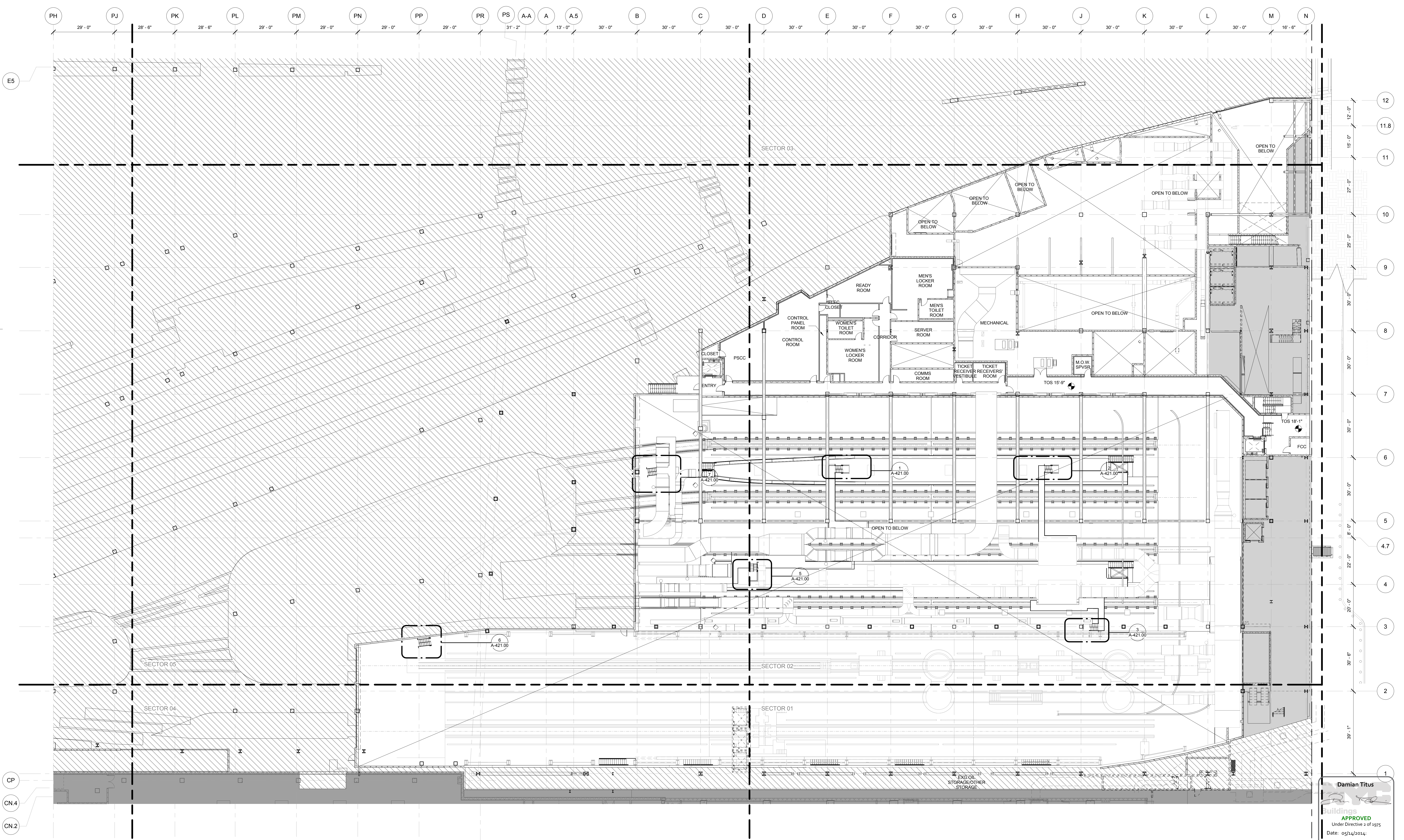
SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

SYMBOL KEY

| | |
|---------------|-------------------|
| [Dashed line] | 1-HOUR RATED WALL |
| [Dotted line] | 2-HOUR RATED WALL |
| [Solid line] | 3-HOUR RATED WALL |

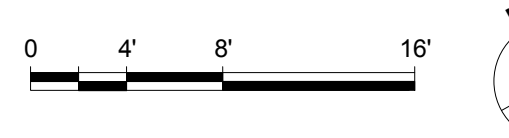
SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

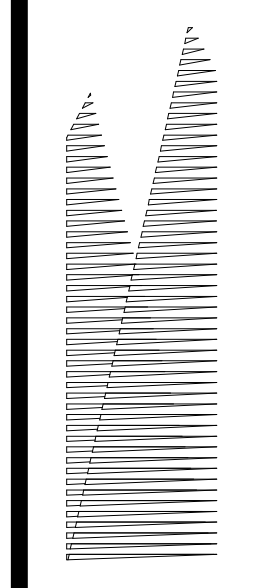
- LIRR EXISTING UTILITIES SHOWN FOR INFORMATION. EXISTING UTILITIES BASED ON AS-BUILT DRAWINGS DATED 1982. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.



Damian Titus
REGISTERED ARCHITECT
No. 12021
Exp. 12/31/2015
NYC Development Hub
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014

1 CONTROL TOWER/ ENTRY LEVEL OVERALL
SCALE: 1/16" = 1'-0"





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overlaid Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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New York, NY 10017
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Architect
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PC Architects & Planning Consultants
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Structural Engineer
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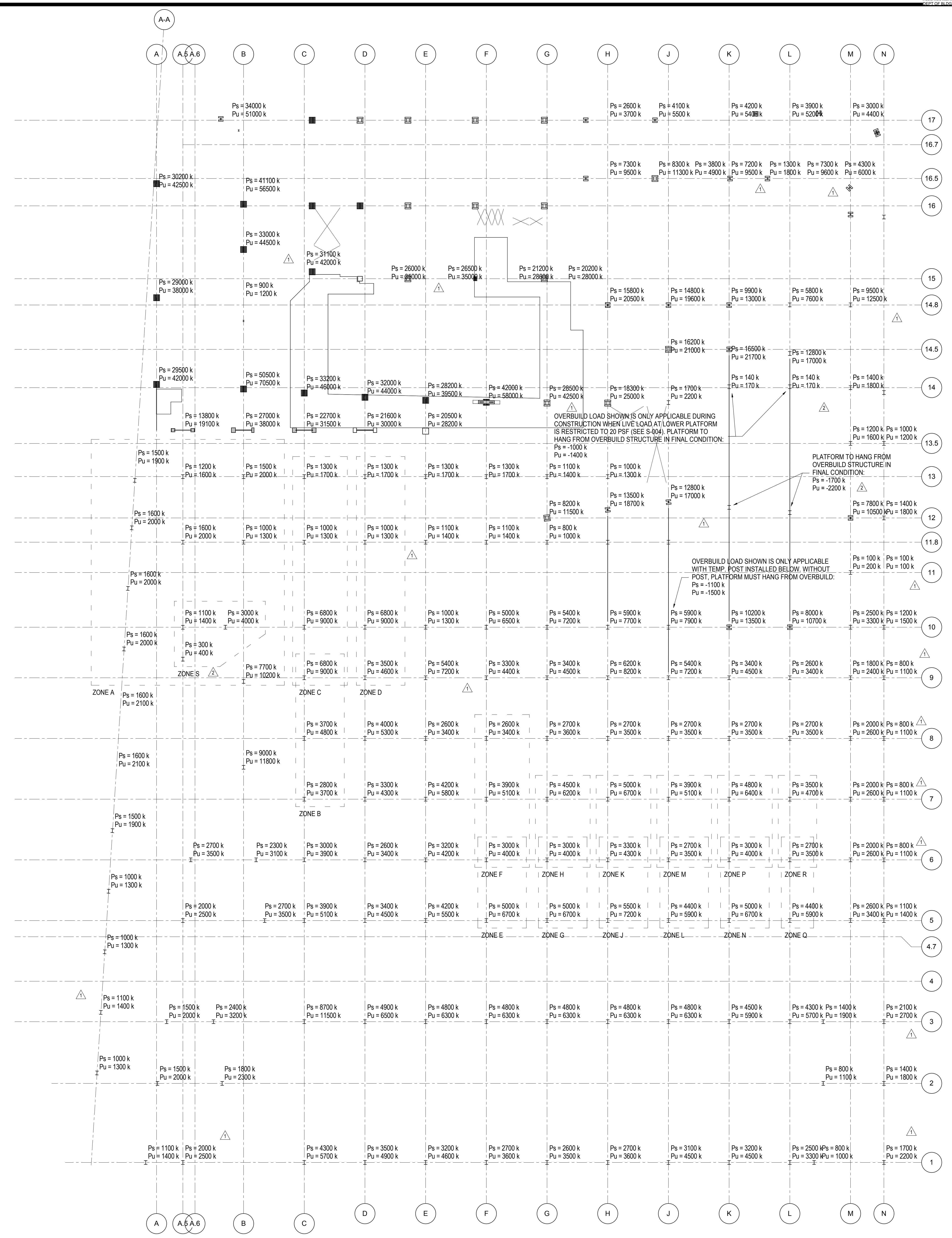
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U PLATFORM SUBMISSION | |
| Δ D1-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D1-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| Rev Description | Date |

Rev Plot



SHEET NOTES:

- LOADS INDICATE PEAK DESIGN CAPACITIES OF PLATFORM STRUCTURE AT GIVEN LOCATIONS FOR FUTURE COLUMN LOADS ABOVE
- NOTATIONS:
Ps INDICATES SERVICE AXIAL FORCE IN KIPS
Pu INDICATES ULTIMATE AXIAL FORCE IN KIPS
- FOR COLUMNS WITHIN ZONES INDICATED ON PLAN, SUM OF COLUMN LOADS IS NOT TO EXCEED THE FOLLOWING:

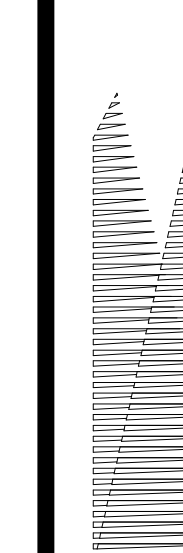
| ZONE | Ps (k) | Pu (k) |
|--------|--------|--------|
| ZONE A | 1500 | 1970 |
| ZONE B | 1190 | 1570 |
| ZONE C | 890 | 1170 |
| ZONE D | 910 | 1200 |
| ZONE E | 700 | 930 |
| ZONE F | 840 | 1100 |
| ZONE G | 700 | 930 |
| ZONE H | 660 | 900 |
| ZONE J | 750 | 1000 |
| ZONE K | 630 | 830 |
| ZONE L | 620 | 820 |
| ZONE M | 530 | 700 |
| ZONE N | 700 | 930 |
| ZONE P | 590 | 780 |
| ZONE Q | 620 | 820 |
| ZONE R | 530 | 700 |
| ZONE S | 400 | 520 |

1 OVERBUILD CAPACITIES
1" = 20'-0"

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

Date: 02/15/2013
Project No: N11330.00
Author: [Signature]
Mixer Number: [Signature]

HYE - PL - S-005.00
LOADING DIAGRAMS - EAST PLATFORM OVERBUILD LOADS



Client
Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

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Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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New York, NY 10017
Tel: 212.708.3600

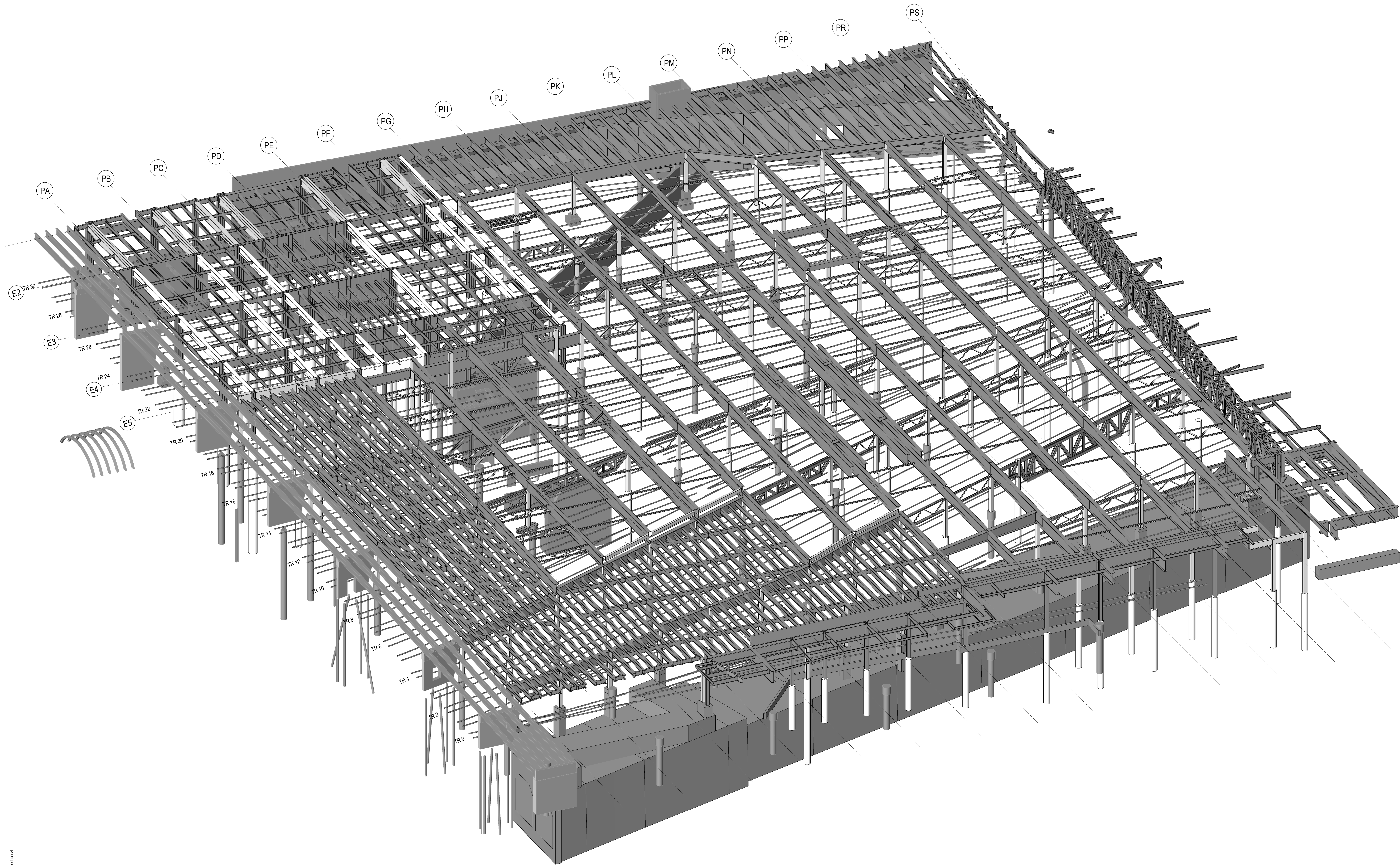
Architect
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PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
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*Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group*
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New York, NY 10005
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LIRR Ventilation
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77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172

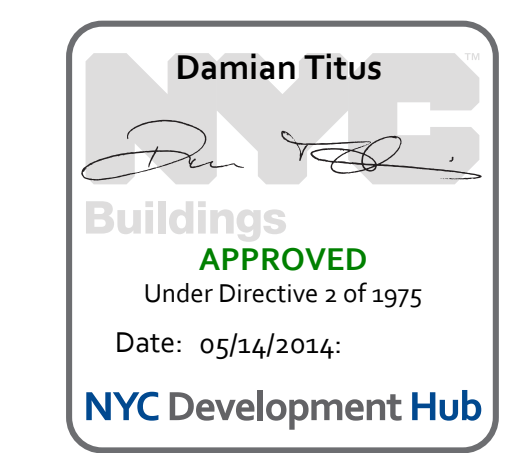


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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M.E. - PLATFORM SUBMISSION | |
| 2. DI-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2015 |
| NYC DOB FILING | 10/4/2015 |
| 3. DI-04 PHASE 1 STRUCTURE UPDATE | 9/29/2015 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2015 |
| NYC DOB FILING | 6/17/2015 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2015 |
| L.I.R.R. - 60% - PHASE 1 FDS | 3/29/2015 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2015 |
| NYC DOB FILING | 2/15/2015 |

See Note

5/10/00 WEST PLATFORM ISOMETRIC VIEW
1/25/2013 2:28:34 PM C:\cambant\103030 - East Platform - Canal - sheet 4

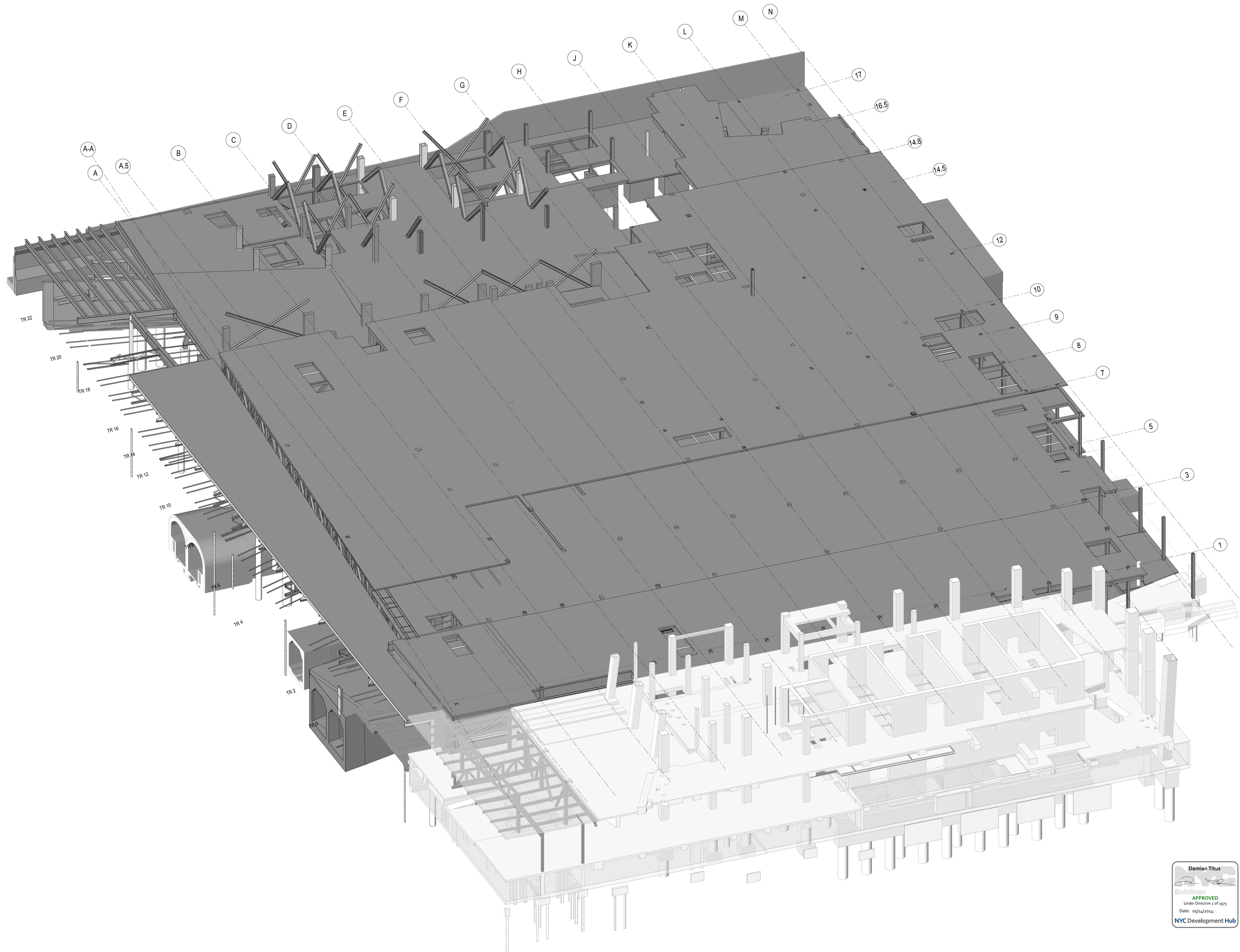
NOTES:
1. ISOMETRIC IS INDICATIVE ONLY. PLEASE REFER TO SECTIONS & DETAILS.
2. COLUMNS TYPICALLY TERMINATE BELOW NORTH-SOUTH PLATE GIRDERS
3. DECK SLAB OMITTED FOR CLARITY OVER PART OF PLATFORM



Draw: 2/15/2013
Project No: N11330.00
Author: Damian Titus

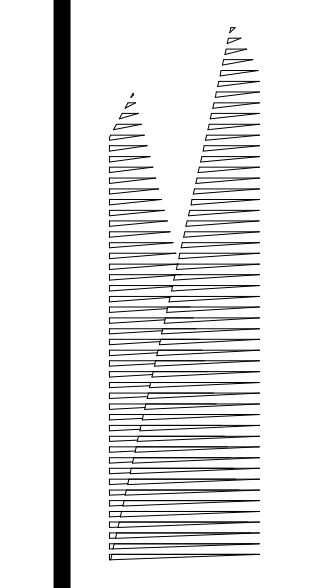
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Drawing Title
**WEST PLATFORM
ISOMETRIC VIEW**

Drawing Number / A-S-C-N Drawing Number
S-010.00
SHEET 7 OF 201



**HUDSON YARDS
PLATFORM**

Address
530 WEST 33RD STREET
NEW YORK, NY



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Related Companies
60 Columbus Circle
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Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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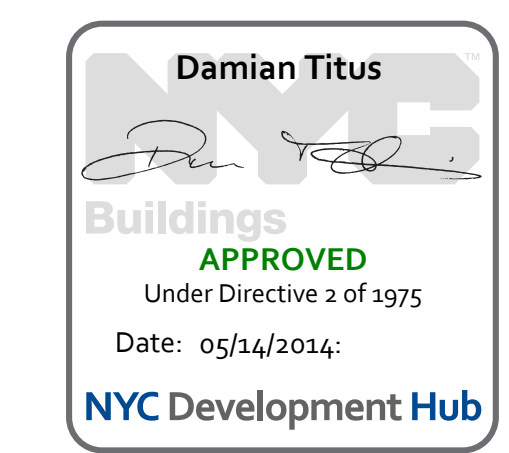
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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LIRR Substation
AECOM
605 Third Avenue
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Tel: 212.973.9200 Fax: 212.682.6172

| File Name | Description | Date |
|-----------------------------------|-------------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL | | 11/22/2013 |
| Mod - PLATFORM SUBMISSION | | |
| Δ DL-02 PHASE I STRUCTURAL UPDATE | | 11/1/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ DL-01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| LIRR - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| LIRR - 60% SUBMISSION | | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | | 3/29/2013 |
| LIRR - 30% SUBMISSION | | 2/15/2013 |
| NYC DOB FILING | | 08/20/2012 |



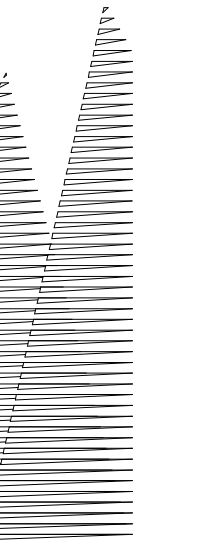
Date: 02/15/2013
Project No: N11330.00
Title: Author
Sheet Number: Author

HYE - PL - S-011.00
Drawing File
**EAST PLATFORM
ISOMETRIC VIEW
(WITH SLABS)**

Drawing Number / Revision Drawing Number
S-011.00

**HUDSON YARDS
PLATFORM**

Address
530 WEST 33RD STREET
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Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
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Tel: 212.708.3600

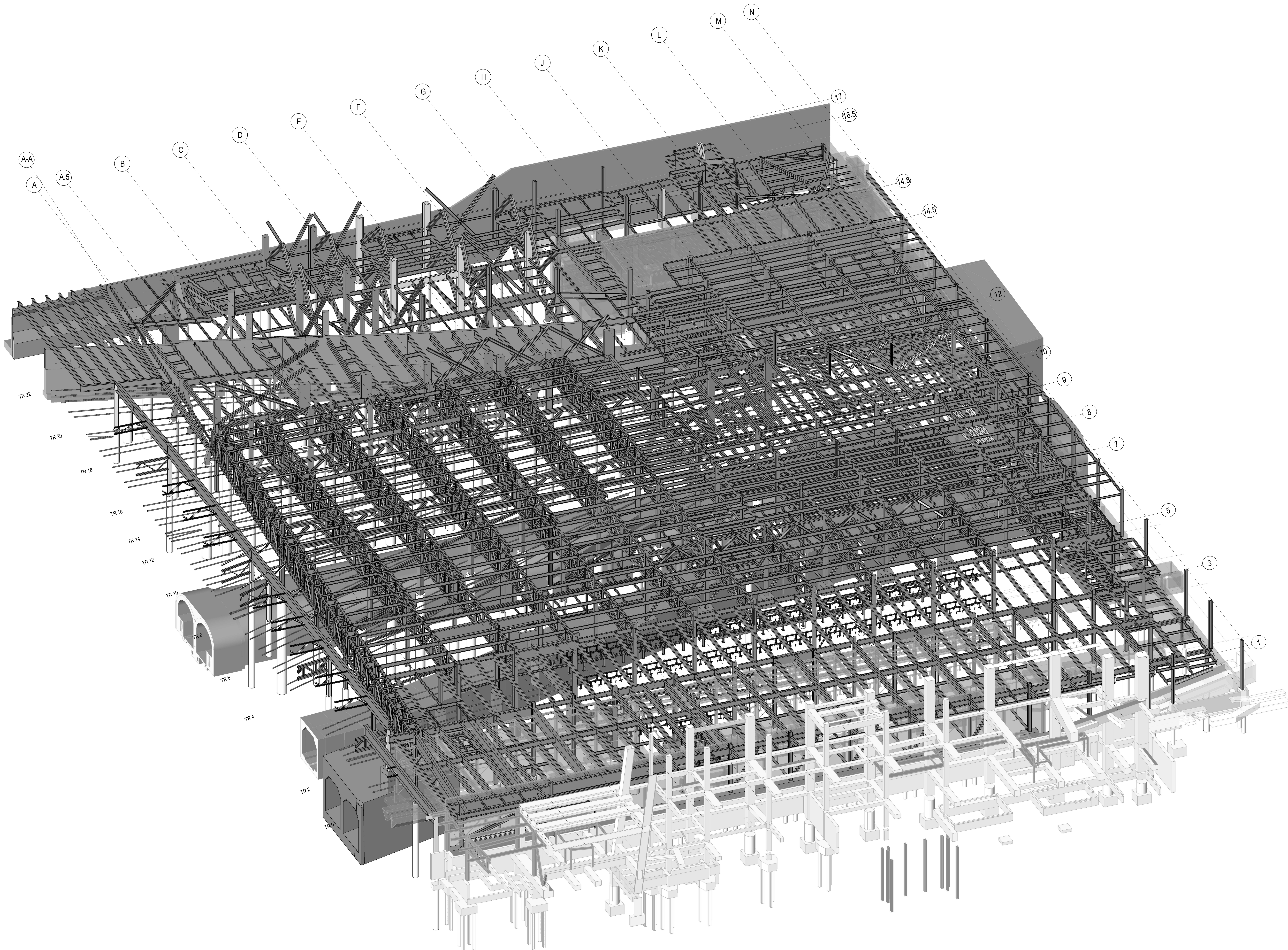
Architect
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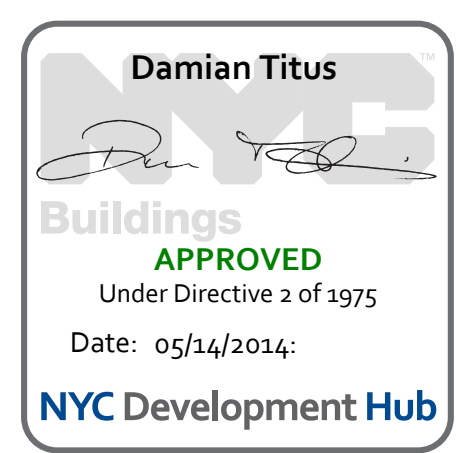
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod - PLATFORM SUBMISSION | |
| A - 01-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A - 01-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| By Description | Date |

For Plot

Date: 02/15/2013
Project No: N11330.00
Author: Author

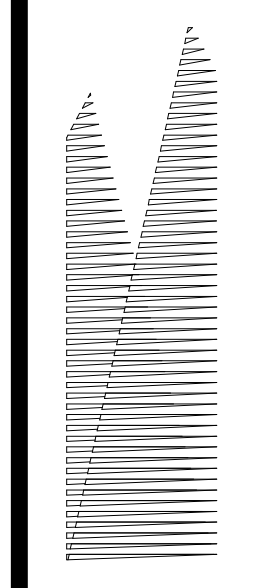
HYE -PL -S-012.00
Drawing Title
**EAST PLATFORM
ISOMETRIC VIEW
(WITHOUT SLABS)**

Drawing Number / Revision Drawing Number
S-012.00
SHEET 9 OF 201



HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
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Tel: 212.973.9200 Fax: 212.682.6172

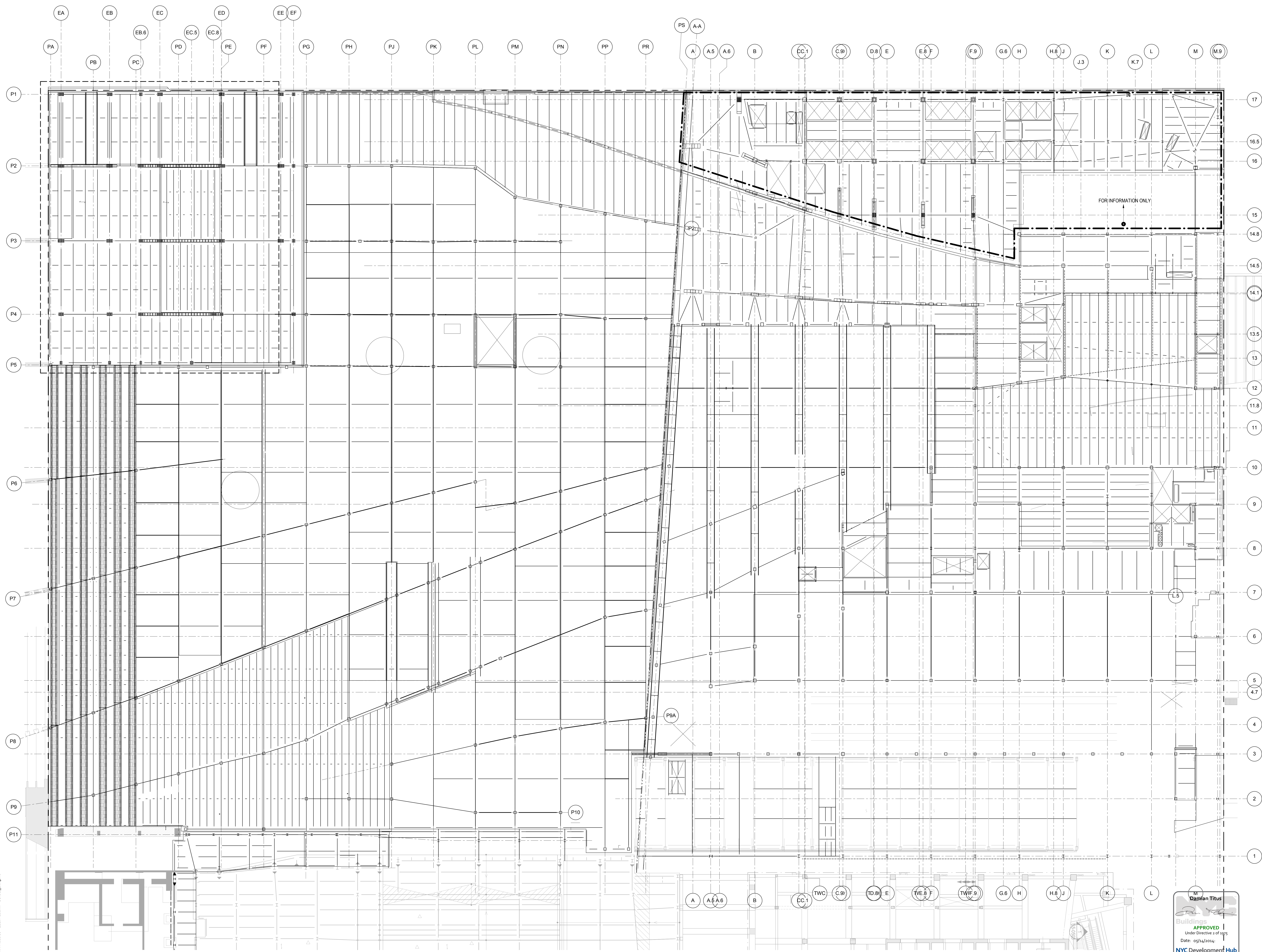
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| NYC DOB FILING | 11/22/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| Δ - DI-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DI-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
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| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| Rev. Description | Date |

| | |
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| Rev. Description | Date |
| 01 | |
| 02 | |
| 03 | |
| 04 | |
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| 09 | |

Date: 12/14/2012
Project No: N11330.00
Drawing Title: Author
NYC Development Hub

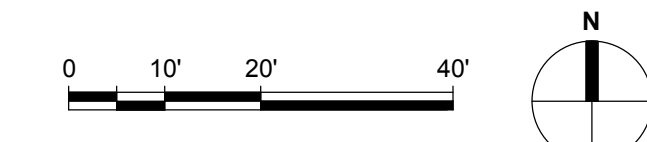
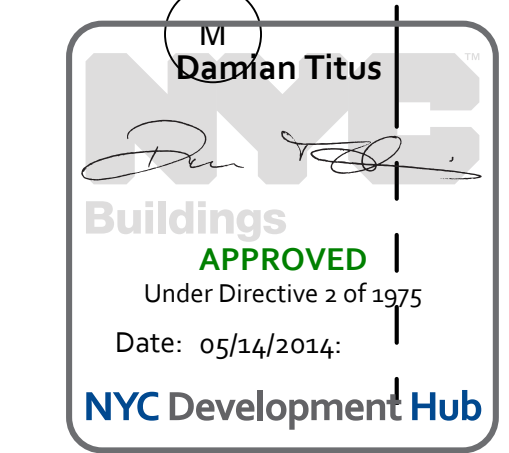
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COMPOSITE PLAN, PLATFORM LOWER LEVEL

Drawing Number: /B/S/C/S Drawing Number
S-103.00

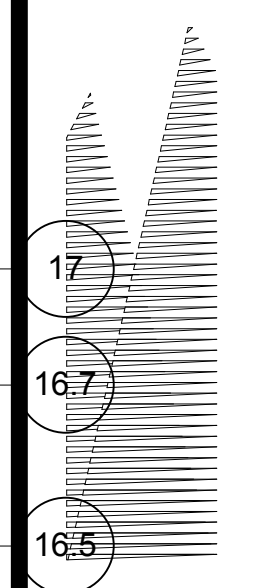


S-103.00
3/20/2014 6:02:47 PM
COMPOSITE PLAN, PLATFORM LOWER LEVEL
C:\swork\N11330.00 - East Platform - Central.dwg, ntc

NOTE:
1. STRUCTURAL SEPARATION TO ADJACENT STRUCTURES SHALL BE IN ACCORDANCE WITH NYCBC SECTION 1617.3.2 WITH A MINIMUM STRUCTURAL SEPARATION OF 1" FOR EVERY 50 FEET IN HEIGHT. GAP AT TOP OF PLATFORM SHALL MEET OR EXCEED 0.64" PER CODE. SEE ARCHITECTURAL DRAWINGS FOR SEPARATION WHICH EXCEEDS THIS VALUE.



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LIRR Substation
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NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 11/22/2013
Met - PLATFORM SUBMISSION

DI-02 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Met - PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013

LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 11/22/2013
Met - PLATFORM SUBMISSION

DI-02 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Met - PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013

LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 11/22/2013
Met - PLATFORM SUBMISSION

DI-02 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Met - PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013

LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 11/22/2013
Met - PLATFORM SUBMISSION

DI-02 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Met - PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013

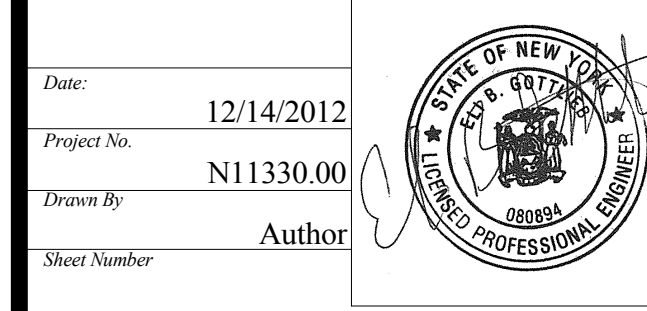
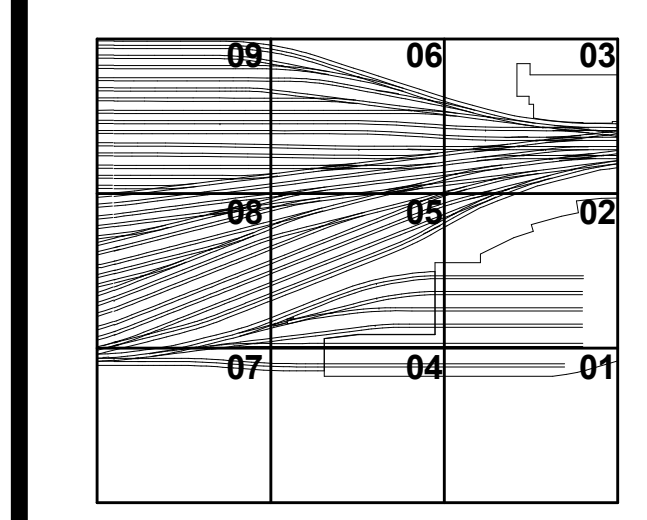
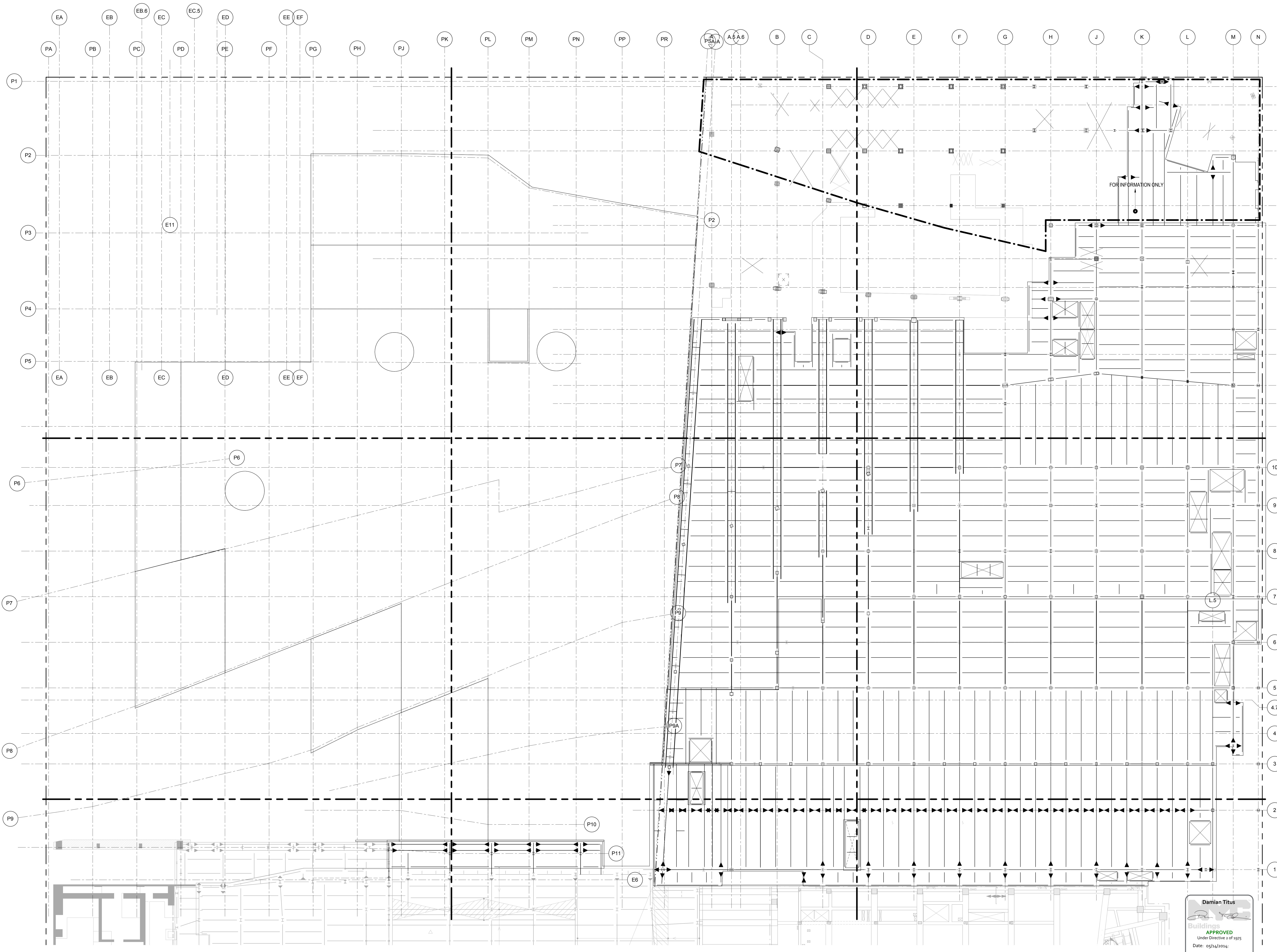
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LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 11/22/2013
Met - PLATFORM SUBMISSION

DI-02 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Met - PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013

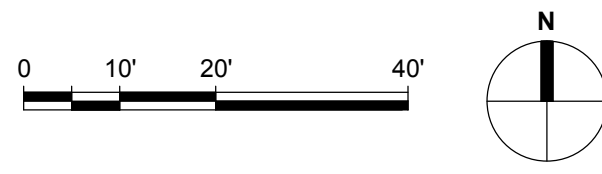
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LIRR - 30% SUBMISSION 2/15/2013

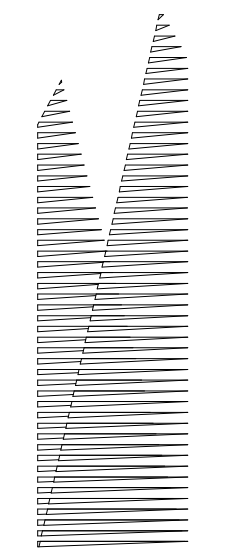


HYE-PL-S-104.00
COMPOSITE PLAN, PLATFORM UPPER LEVEL

Drawing Number / BSC/AS Drawing Number
S-104.00
SHEET 12 OF 201

Damian Titus
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub





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Tel: 212.801.1000 Fax: 212.801.1048

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Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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New York, NY 10017
Tel: 212.708.3600

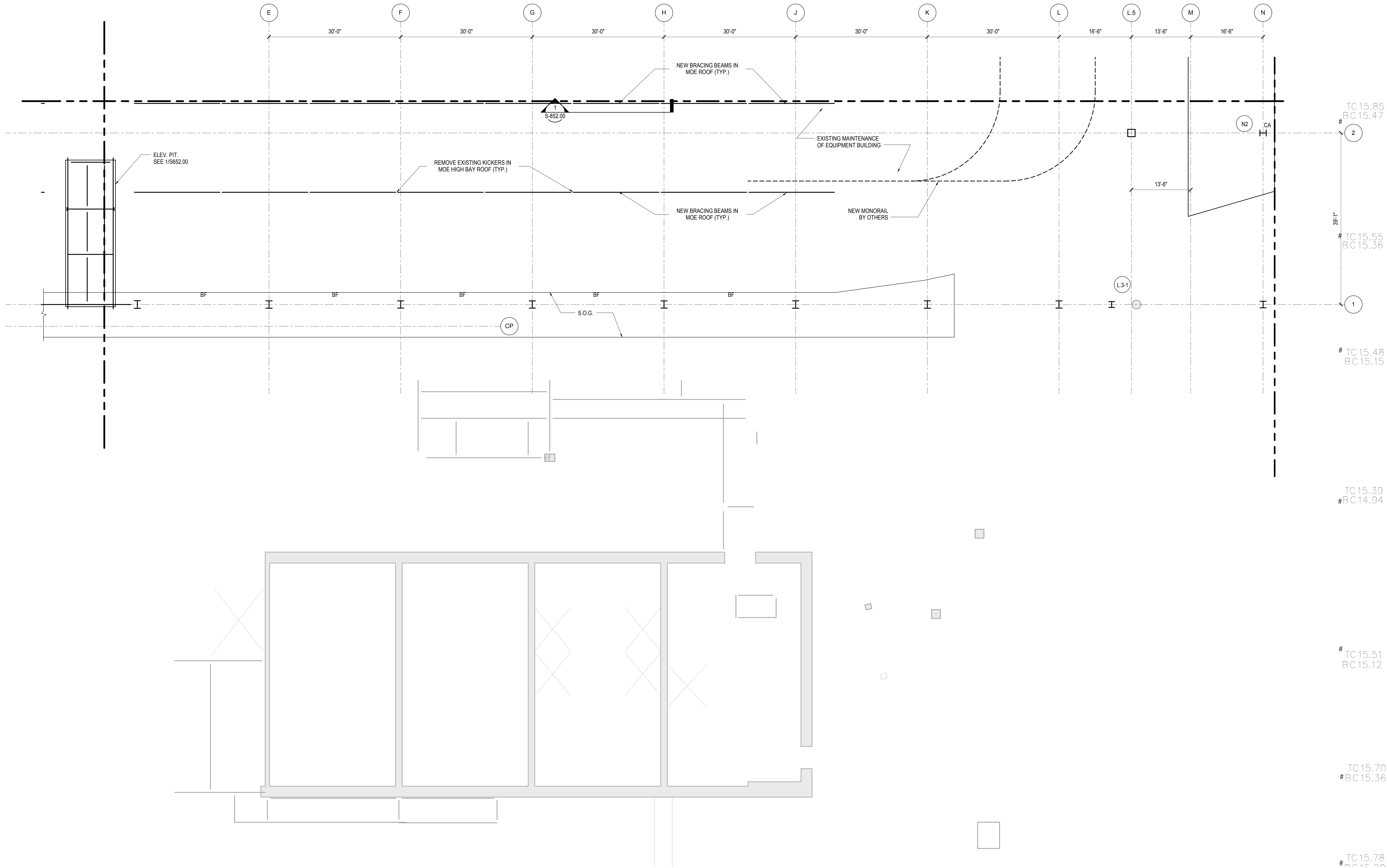
Architect
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PC Architects & Planning Consultants
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Fire Alarm, Fire Protection, Security
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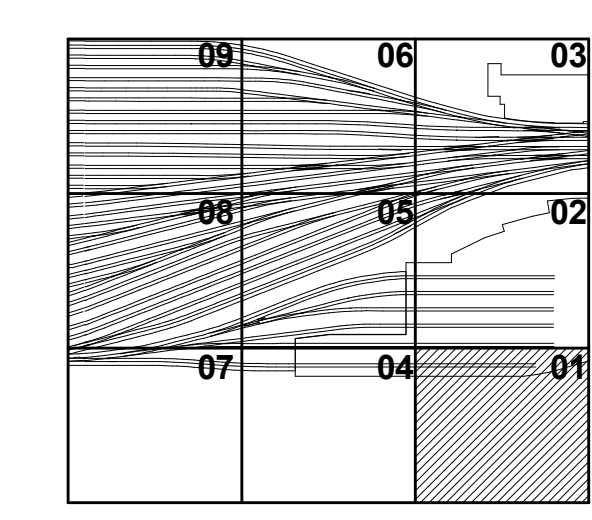
LIRR Ventilation
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| | |
|-------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DI-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DI-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev Plot



Date: 12/14/12
Project No: N11330.00
Author: [Signature]
Title: [Signature]

HYE-PL-S-131.00
Drawing Title
PLATFORM LOWER LEVEL PLAN SECTOR 01

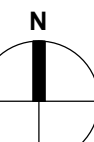
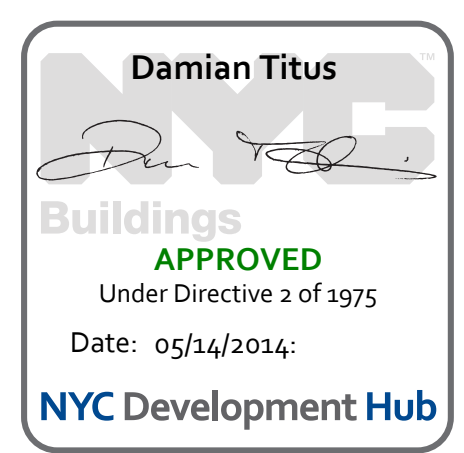
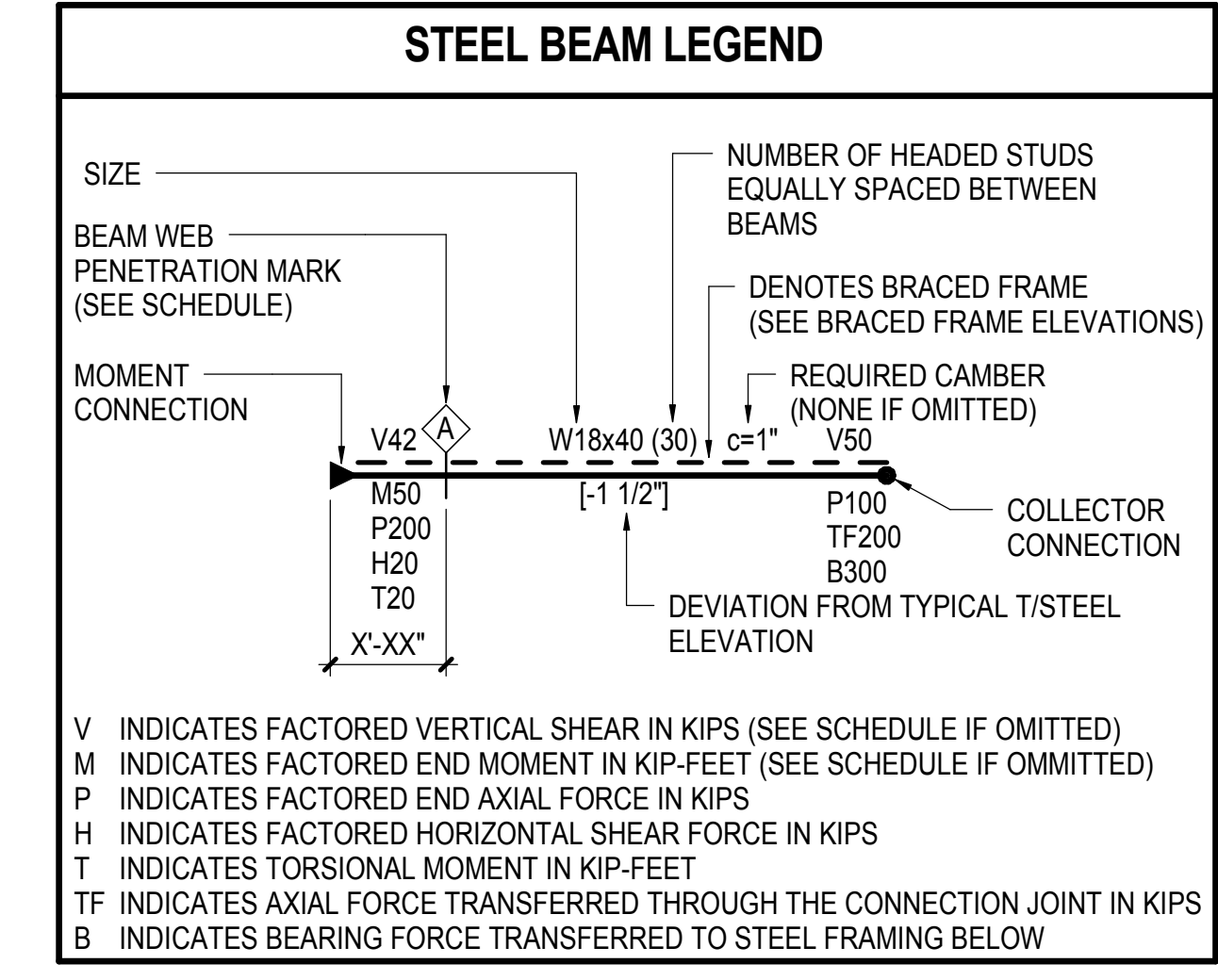
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S-131.00
SHEET 22 OF 201

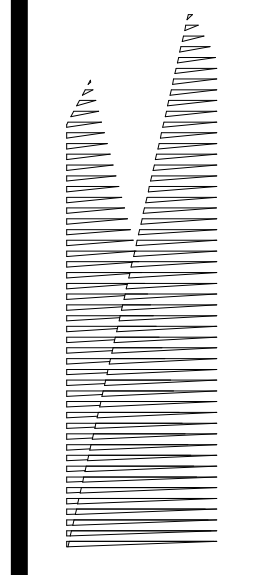
- SHEET NOTES:**
1. T/STRUCTURAL SLAB EL+ UON THIS: X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION.
 2. T/STEEL EL UON
 3. ← INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S-003.00
 4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:
DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS S0 SERIES DRAWINGS
TYPICAL FOUNDATION DETAILS S3 SERIES DRAWINGS
STEEL COLUMN SCHEDULES S4 SERIES DRAWINGS
STEEL TYPICAL DETAILS S7 SERIES DRAWINGS

- 5. SYMBOLS:**
- INDICATES MOMENT CONNECTION
 - INDICATES LATERAL BRACING.
 - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
 - INDICATES SLOPE IN TOP OF SLAB
 - INDICATES SPLICE LOCATIONS. SEE S-512.00 FOR DETAILS
 - INDICATES LOCATION OF SLAB TRENCHES. SEE S-341.00 FOR DETAILS
 - INDICATES SLAB OPENING FOR DRAINAGE. TYPICALLY 2'-0". FINAL POSITION BETWEEN BEAMS TO BE COORDINATED WITH ARCHITECT.

- 6. NOTATIONS:**
- CA/CB INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
 - PA/PB INDICATES POST ABOVE / BELOW
 - DB INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
 - HA/HB INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
 - MF INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
 - PG INDICATES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
 - TC INDICATES TORSIONAL CONNECTION FOR STAIR
 - TR INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
 - BF INDICATES BRACED FRAME. SEE ELEVATIONS
 - FCA INDICATES FUTURE COLUMN ABOVE
 - FHA INDICATES FUTURE HANGER ABOVE

- NOTES:**
1. IN PLENUM ZONE'S BRIDGING TO BE INSTALLED BETWEEN PRECAST PLANKS AT 90 DEGREES TO THE PLATE GIRDERS. FINAL POSITION TO BE COORDINATED BY THE CONTRACTOR TO SUIT PLANK DISTRIBUTION.
 2. SEE S-513.00 FOR BRIDGING DETAILS





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NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL 100% 11/22/2013
M&E - PLATFORM SUBMISSION
D1-02 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
D1-01 PHASE I STRUCTURAL UPDATE 9/20/2013
L.I.R.R. - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
L.I.R.R. - 60% SUBMISSION 5/29/2013
L.I.R.R. - 60% - PHASE I FINIS 3/29/2013
L.I.R.R. - 30% SUBMISSION 2/15/2013
NYC DOB FILING 1/16/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL 100% 11/22/2013
M&E - PLATFORM SUBMISSION
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NYC DOB FILING 10/4/2013
D1-01 PHASE I STRUCTURAL UPDATE 9/20/2013
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NYC DOB FILING 6/17/2013
L.I.R.R. - 60% SUBMISSION 5/29/2013
L.I.R.R. - 60% - PHASE I FINIS 3/29/2013
L.I.R.R. - 30% SUBMISSION 2/15/2013
NYC DOB FILING 1/16/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL 100% 11/22/2013
M&E - PLATFORM SUBMISSION
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L.I.R.R. - 60% SUBMISSION 5/29/2013
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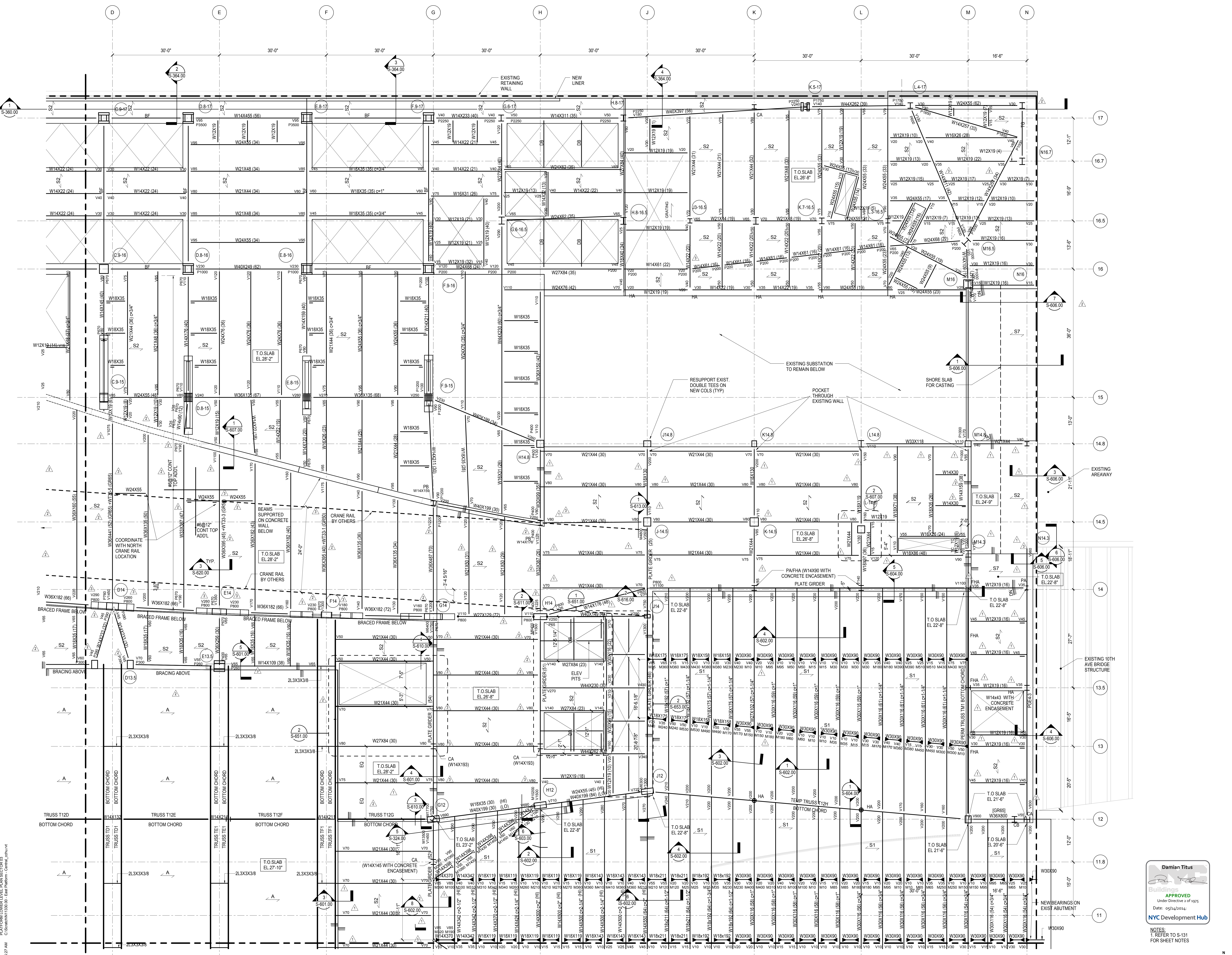
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NYC DOB FILING 1/16/2013

NYC DOB FILING 12/4/2013
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L.I.R.R. - 60% - PHASE I FINIS 3/29/2013
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L.I.R.R. - 30% SUBMISSION 2/15/2013
NYC DOB FILING 1/16/2013

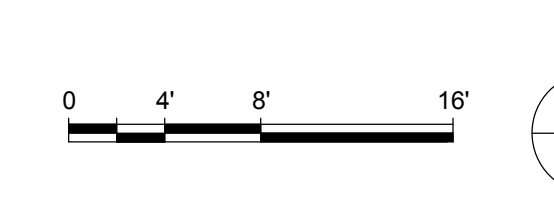
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L.I.R.R. - 30% SUBMISSION 2/15/2013
NYC DOB FILING 1/16/2013



NOTES
1. REFER TO S-131.00 FOR SHEET NOTES

Damian Titus
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

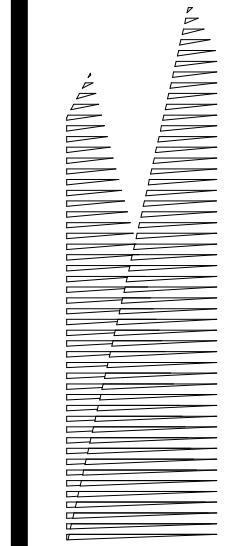
NOTES
1. REFER TO S-131.00 FOR SHEET NOTES



HYE-PL-S-133.00

PLATFORM LOWER
LEVEL PLAN SECTOR
03

Project No: 12/14/12
Drawing No: N1330.00
Author: [Signature]



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

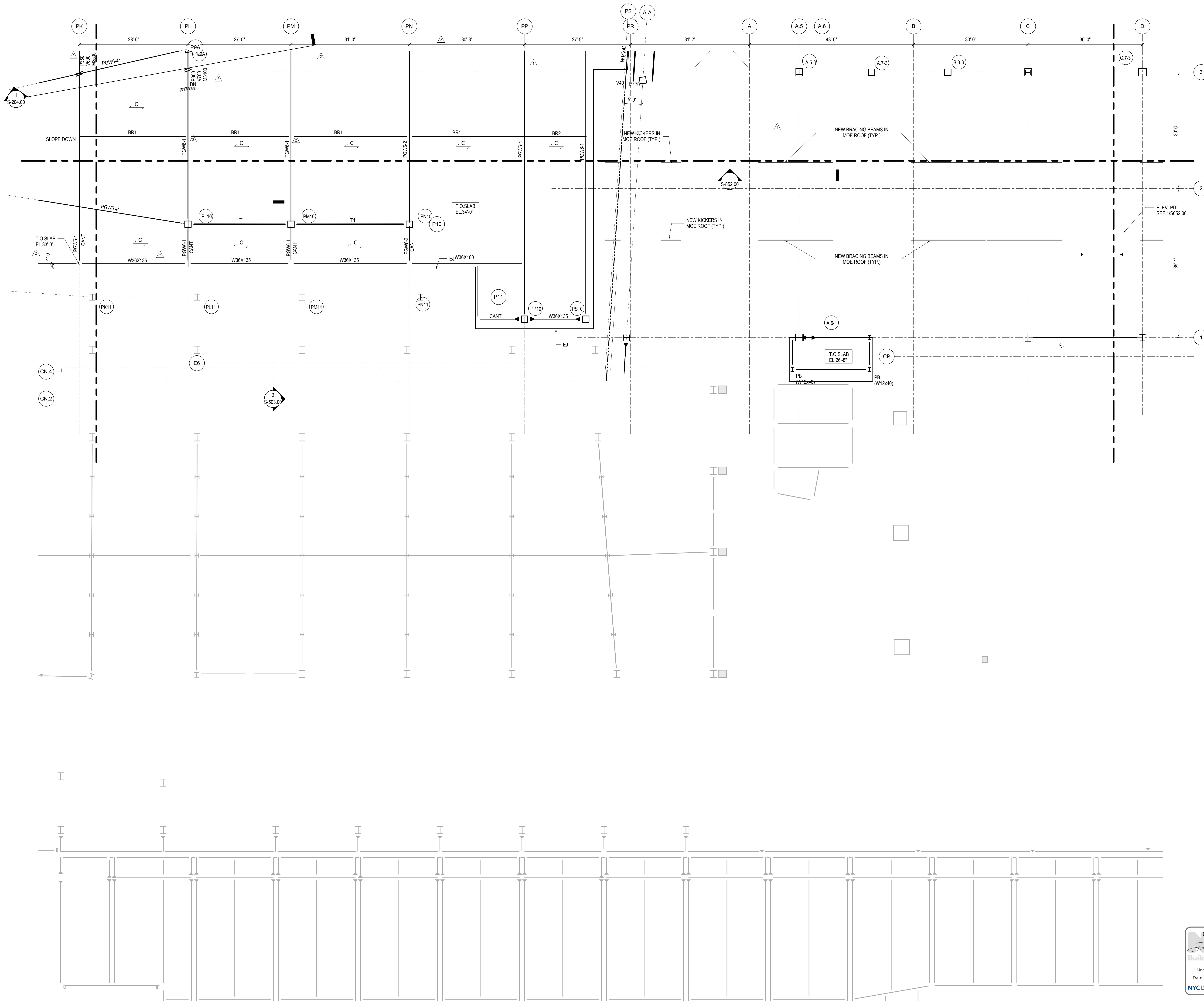
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

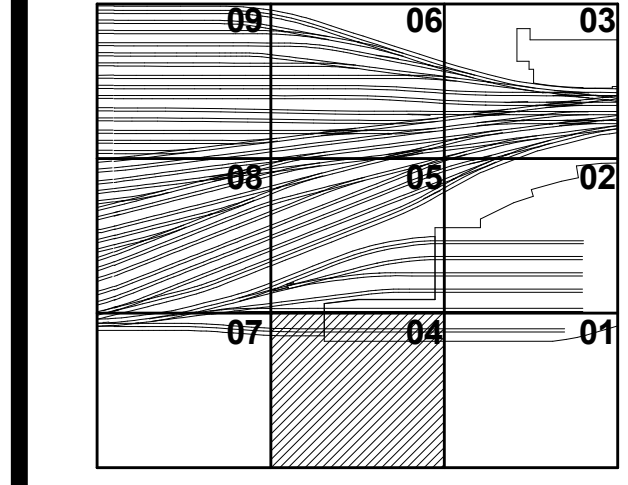
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

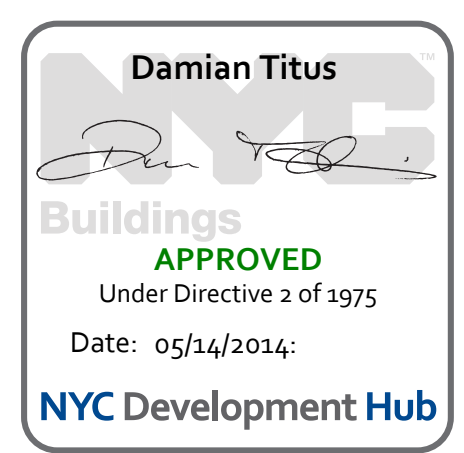


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| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Fig. Plus



NOTES:
1. REFER TO S-131.00 FOR SHEET NOTES



Date: 12/14/12
Project No: N11330.00
Author: Author

HYE - PL - S-134.00
Drawing Title
**PLATFORM LOWER
LEVEL PLAN SECTOR
04**

Drawing Number / B/S/C/S Drawing Number
S-134.00

Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Contractor
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
11 Architects & Planning Consultants
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

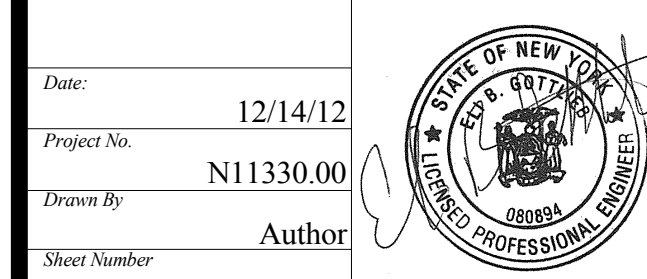
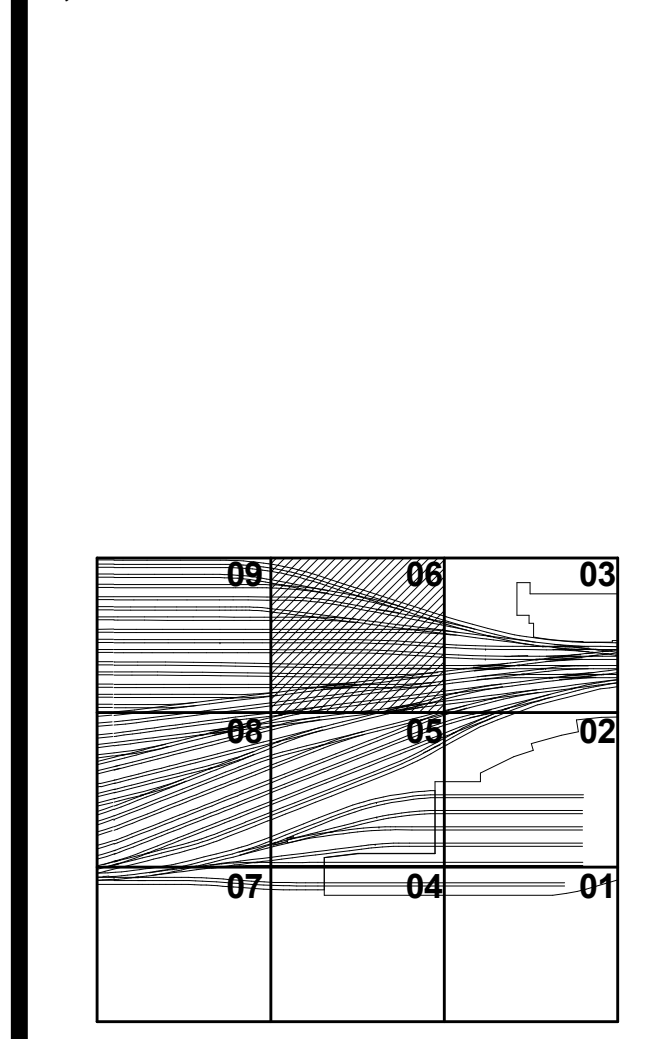
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Fishman Construction Corporation
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

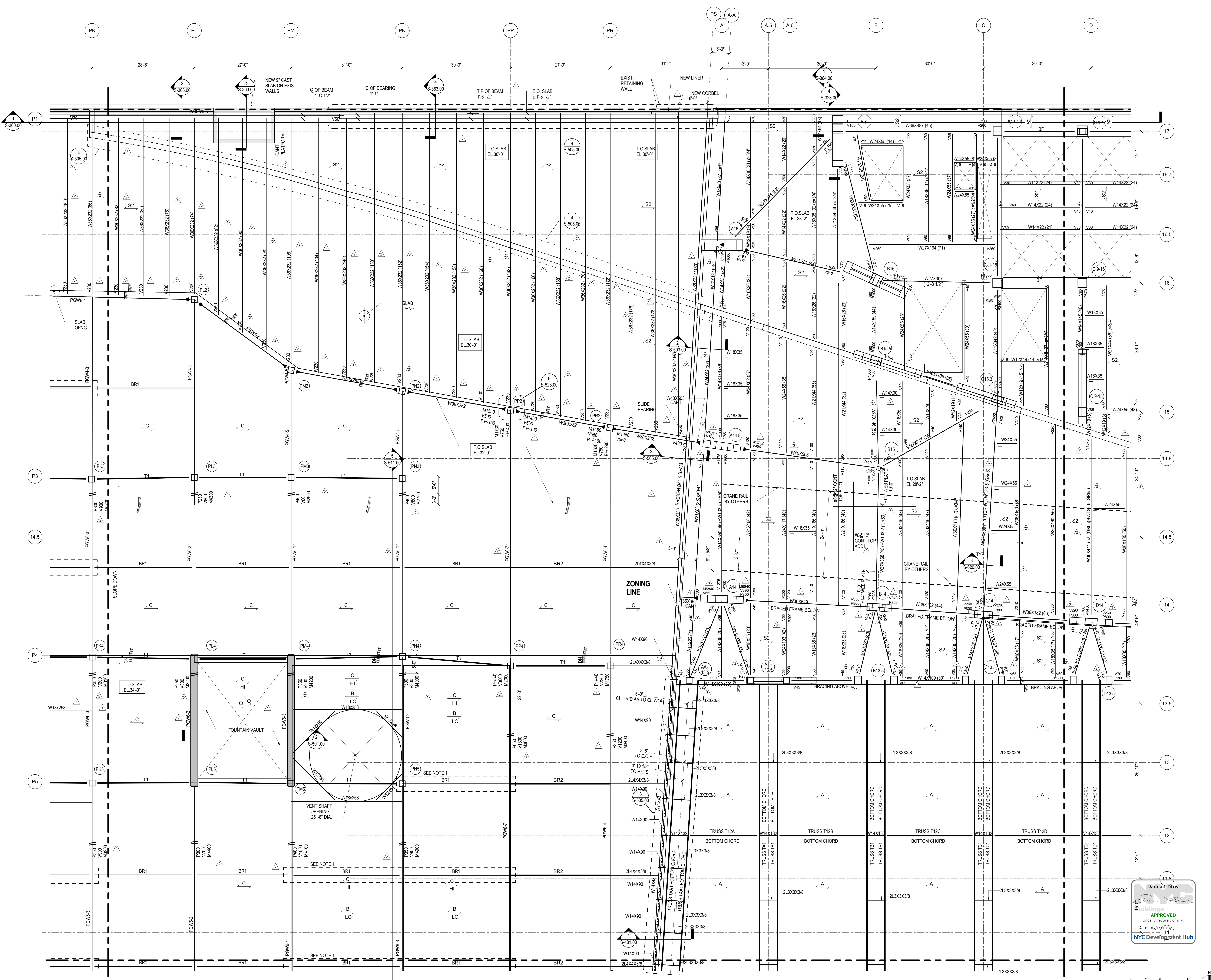
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

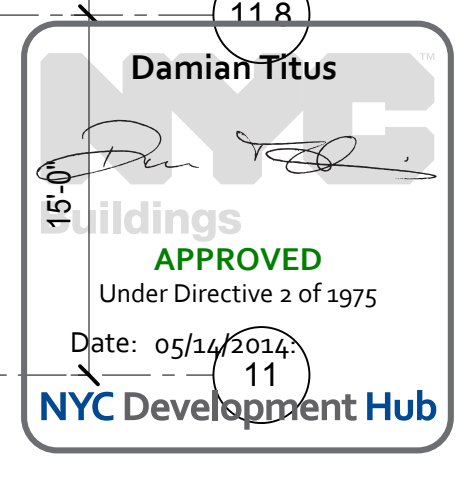
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| DI-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
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| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 1/11/2013 |



Date: 12/14/12
Project No: N11330.00
Drawing Title: HYE-PL-S-136.00
Platform Lower Level Plan Sector 06
Date: 05/12/2012
NYC Development Hub



NOTES:
1. REFER TO S-131.00 FOR SHEET NOTES



Date: 12/14/12
Project No: N11330.00
Drawing Title: HYE-PL-S-136.00
Platform Lower Level Plan Sector 06
Date: 05/12/2012
NYC Development Hub

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

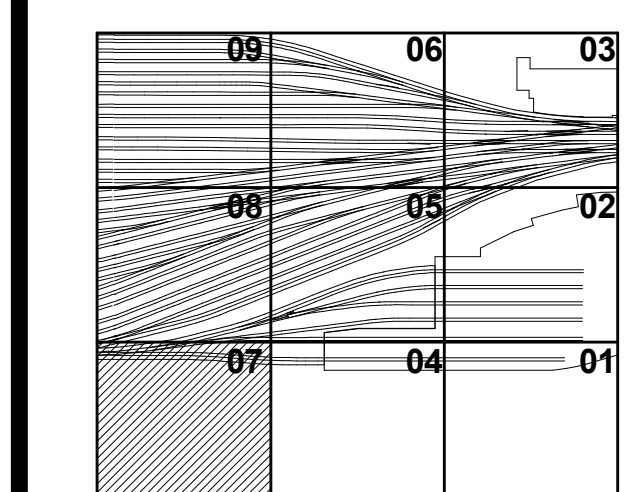
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security,
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

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| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ DI-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
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| Rev | Description |

Rev. No.



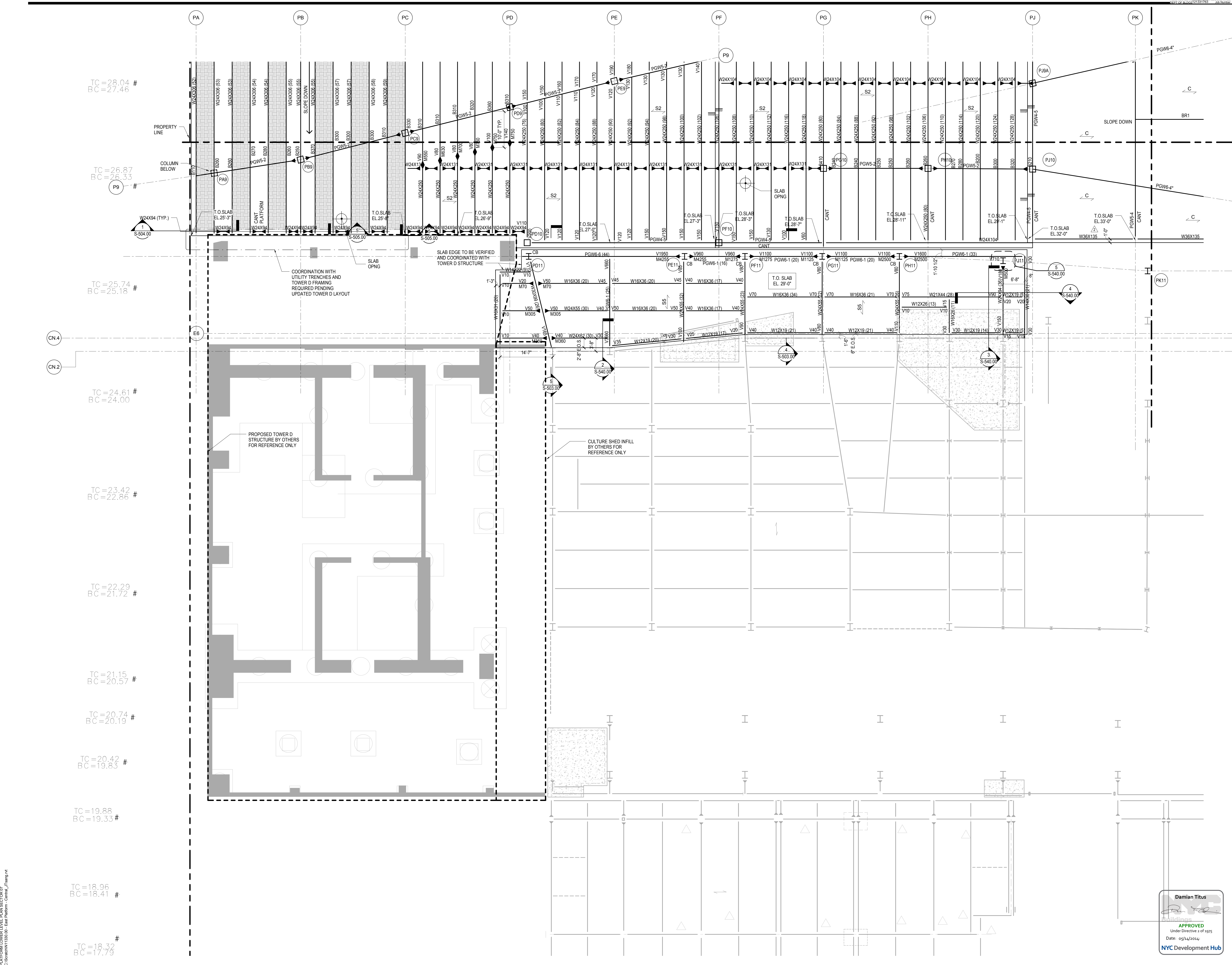
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Title: Author
Issue Number

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Drawing Title
PLATFORM LOWER LEVEL PLAN SECTOR 07

Drawing Number / B/S/C/D Drawing Number
S-137.00

SHEET 28 OF 201

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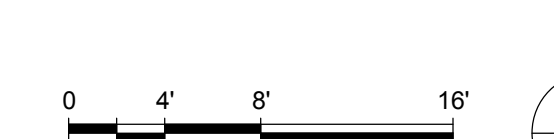
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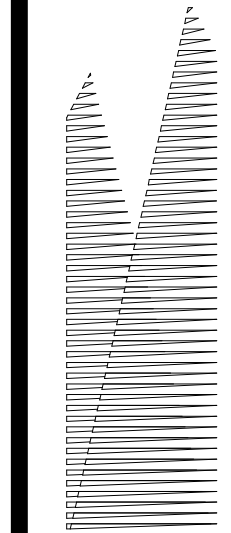
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NOTES:
1. REFER TO S-131.00 FOR SHEET NOTES

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
520 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
645 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
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| NYC DOB FILING | 12/4/2013 |
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| M&T PLATFORM SUBMISSION | |
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| Δ D1-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
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| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| NYC DOB FILING | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

NYC DOB FILING

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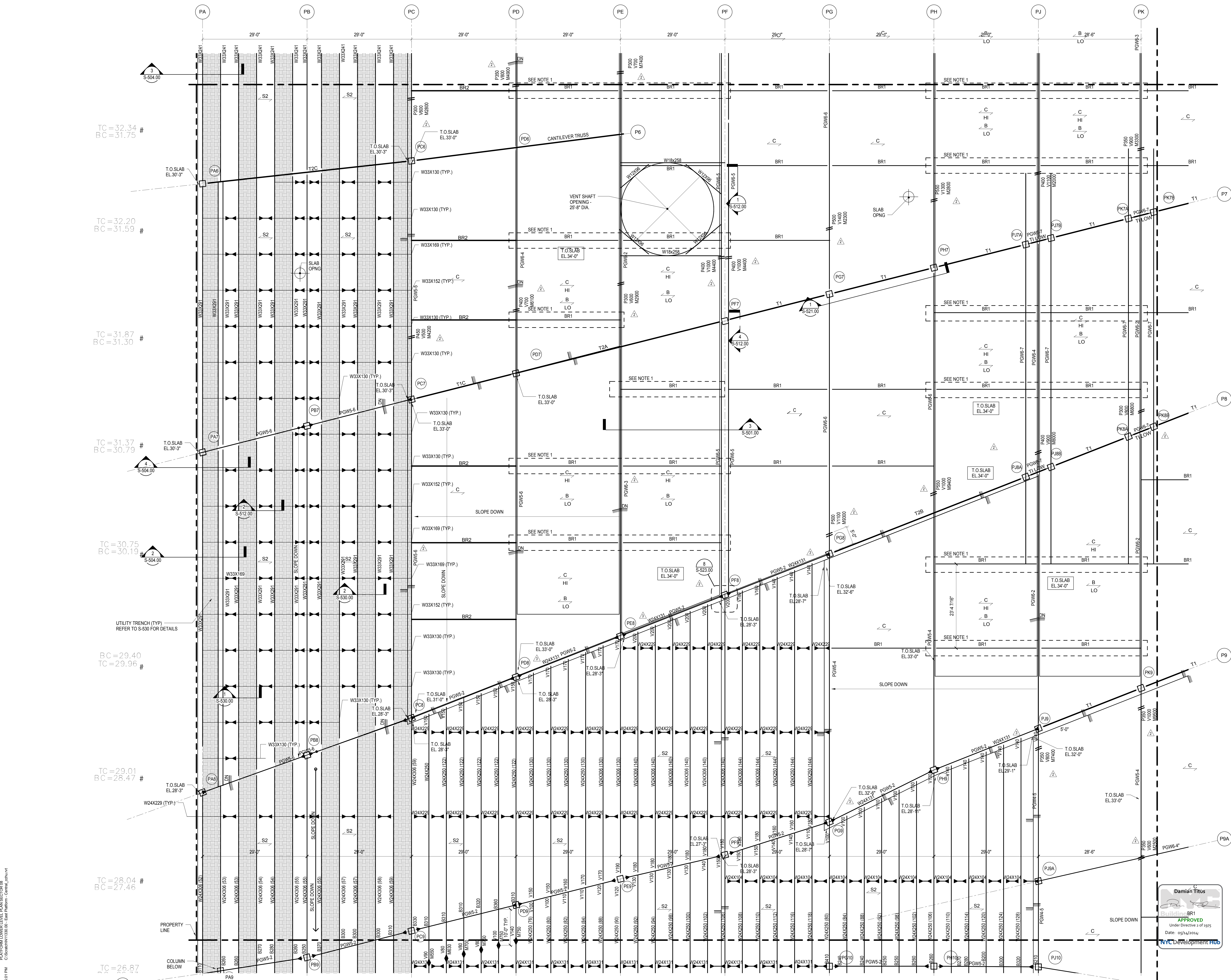
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UTILITY TRENCH (TYP)
REFER TO S-530 FOR DETAILS

PROPERTY LINE

COLUMN BELOW

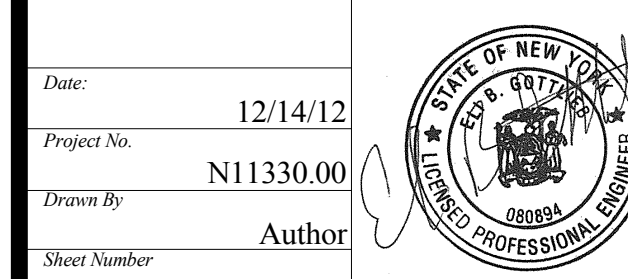
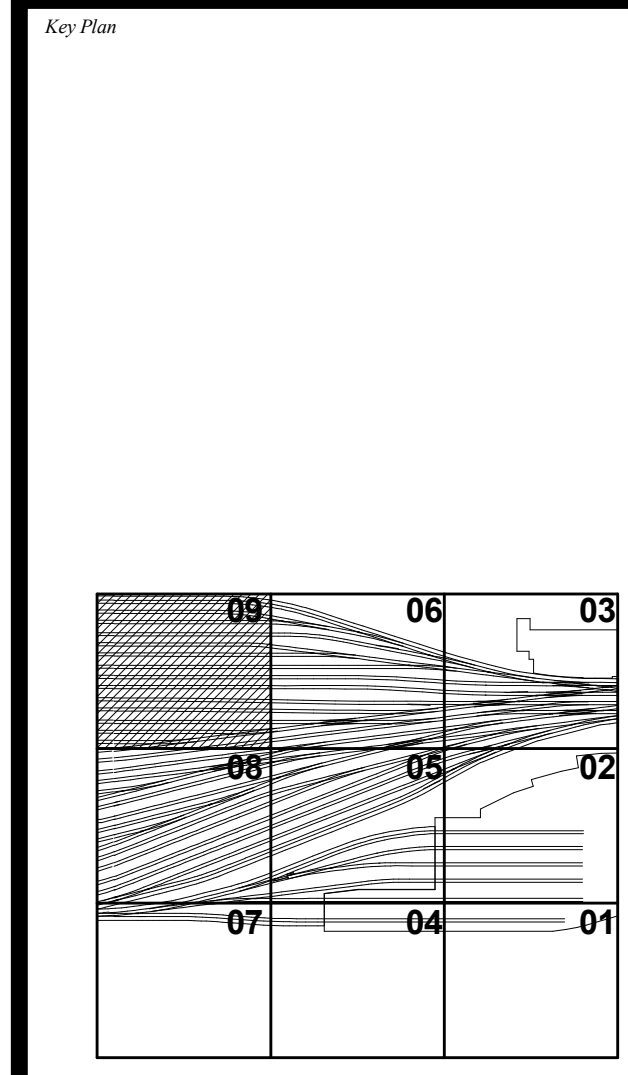
NOTES
1. REFER TO S-131.00 FOR SHEET NOTES

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

Date: 12/14/12
Project No: N11330.00
Drawing Title: HYE - PL - S-138.00
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SHEET 29 OF 201

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| M&T PLATFORM SUBMISSION | |
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| PHASE I PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/9/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| PH Description | Site |



Date: 12/14/12
Project No: N11330.00
Drawing Title: HYE-PL-S-139.00
Author: [Signature]
Date: 05/14/2014
NYC Development Hub

Platform Lower Level Plan Sector 09
S-139.00
SHEET 30 OF 201

ALLOW FOR 6" UTILITY TRENCHES ALIGNED WITH 33RD STREET P.O.E., TO BE COORDINATED WITH TOWER E FRAMING + LAYOUT. REFER TO ARCHITECTURAL + ELECTRICAL DRAWINGS FOR MORE DETAILS.

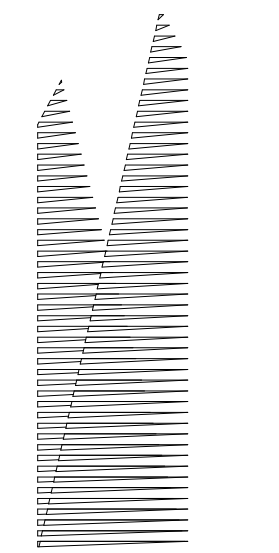
TOWER E FRAMING PROVISIONAL INCLUDED FOR REFERENCE ONLY

FUTURE TOWER COLUMN BEARING POINTS CENTERED ON GRID LINE INTERSECTIONS, TYP. U.O.N.

NOTES:
1. REFER TO S-131.00 FOR SHEET NOTES

Damian Titus
REGISTERED PROFESSIONAL ENGINEER
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

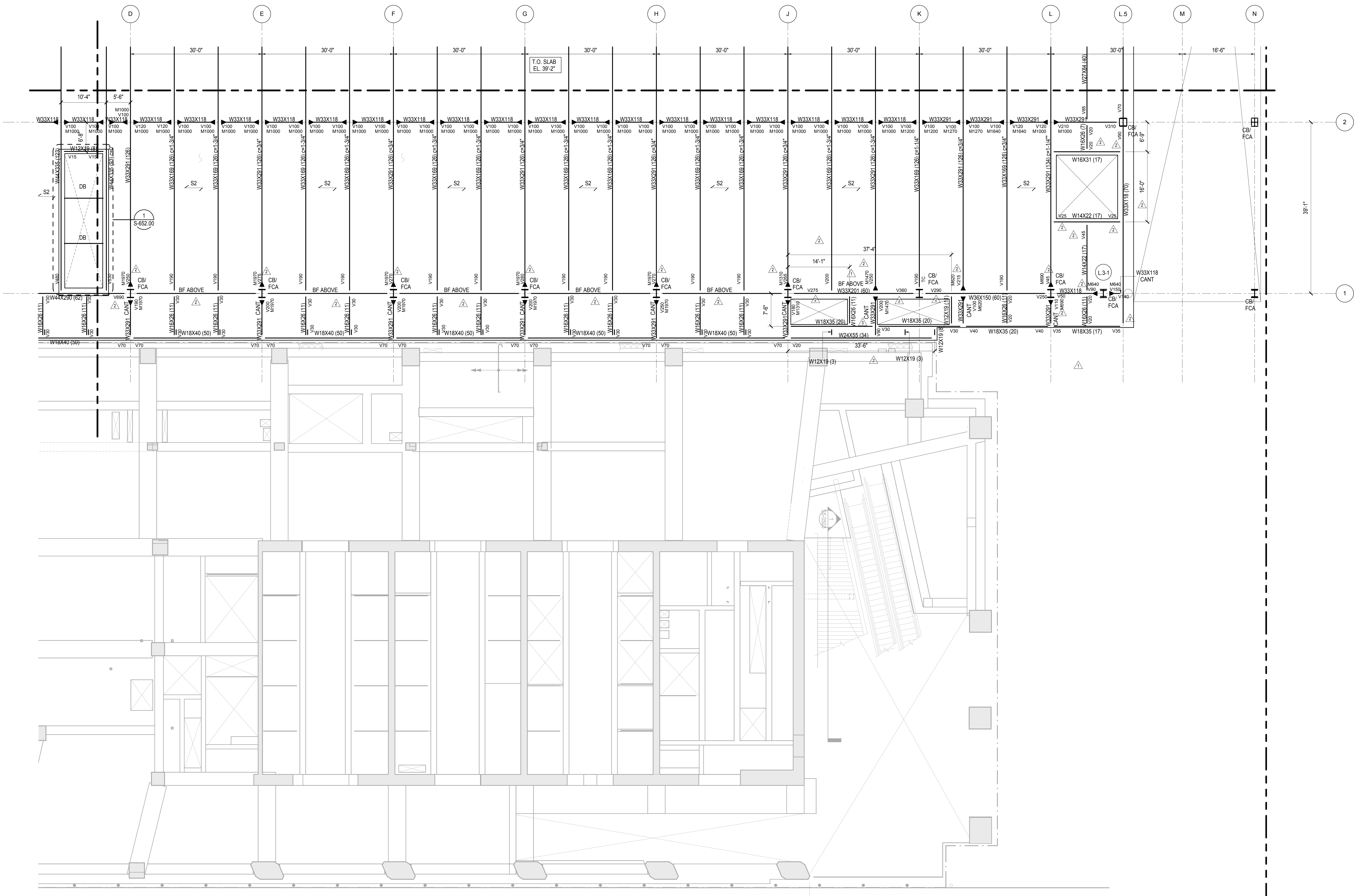
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

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Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

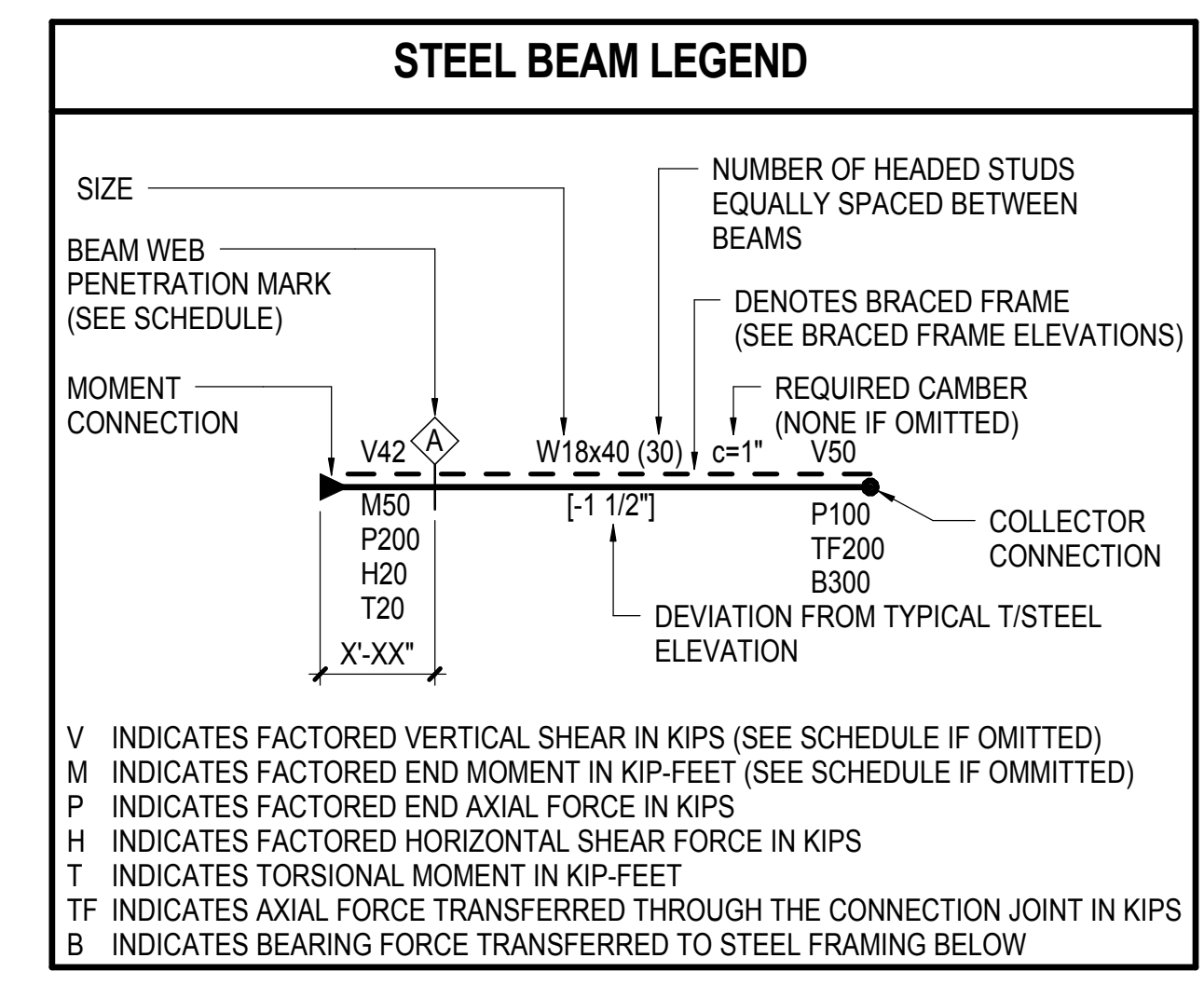
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AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



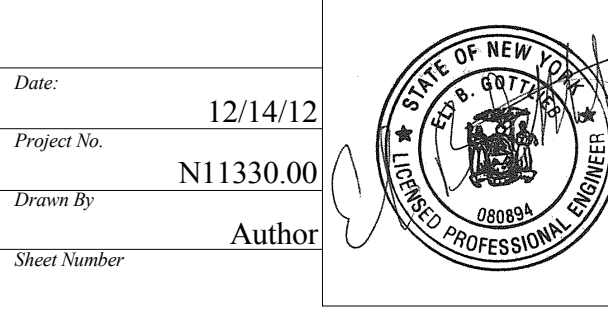
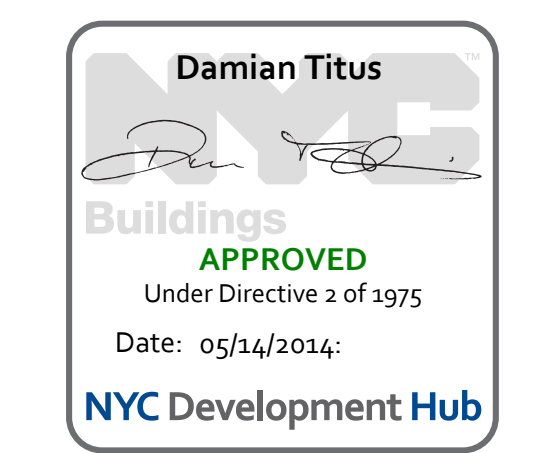
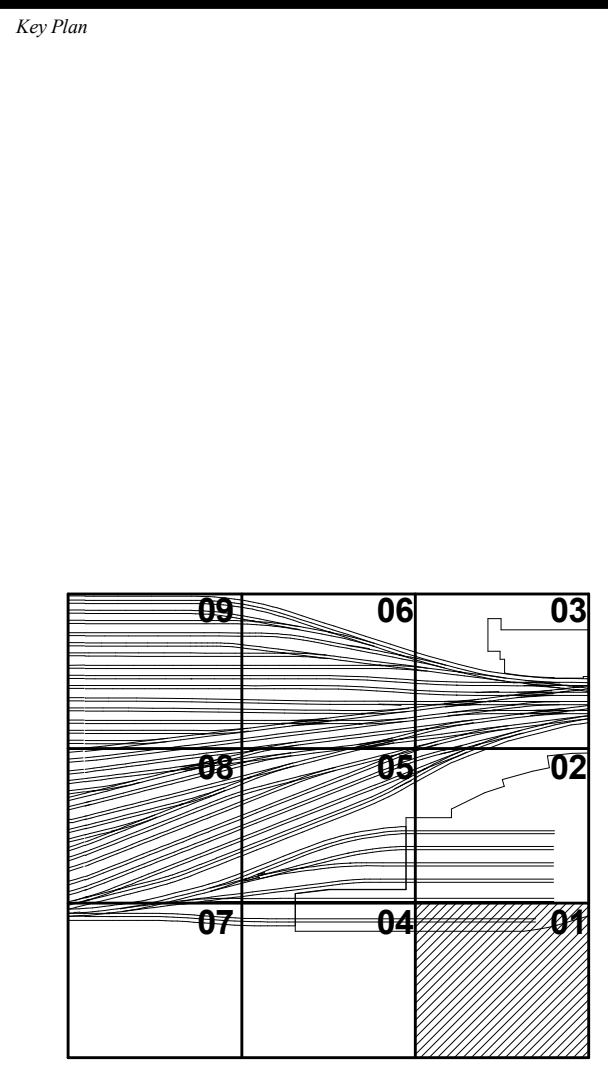
- SHEET NOTES:**
- T/STRUCTURAL SLAB EL+ UON THIS:
X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION.
 - T/STEEL EL UON
 - ← INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S-003.00
 - FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:
DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS S0 SERIES DRAWINGS
TYPICAL FOUNDATION DETAILS S3 SERIES DRAWINGS
STEEL COLUMN SCHEDULES S4 SERIES DRAWINGS
STEEL TYPICAL DETAILS S7 SERIES DRAWINGS

- 5. SYMBOLS:**
- INDICATES MOMENT CONNECTION
 - INDICATES LATERAL BRACING.
 - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
 - INDICATES SLOPE IN TOP OF SLAB
 - INDICATES SPLICE LOCATIONS. SEE S-512.00 FOR DETAILS
 - INDICATES LOCATION OF SLAB TRENCHES. SEE S-341.00 FOR DETAILS
 - INDICATES SLAB OPENING FOR DRAINAGE. TYPICALLY 2'-0". FINAL POSITION BETWEEN BEAMS TO BE COORDINATED WITH ARCHITECT.

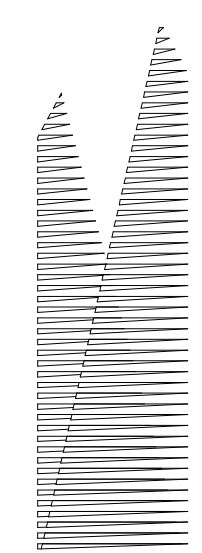
- 6. NOTATIONS:**
- CA/CB INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
 - PA/PB INDICATES POST ABOVE / BELOW
 - DB INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
 - HA/HB INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
 - MF INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
 - PG INDICATES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
 - TC INDICATES TORSIONAL CONNECTION FOR STAIR
 - TR INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
 - BF INDICATES BRACED FRAME. SEE ELEVATIONS
 - FCA INDICATES FUTURE COLUMN ABOVE
 - FHA INDICATES FUTURE HANGER ABOVE



| | |
|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ DL-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DL-01 PHASE I STRUCTURE UPDATE | 9/29/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |



HYE-PL-S-141.00
Drawing Title
LEVEL PLAN UPPER
LEVEL PLAN SECTOR
01



Client Related Companies 60 Columbus Circle New York, NY 10023 Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group 120 Park Avenue, 17th Floor New York, NY 10022 Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager Fishman Construction Corporation 100 Park Avenue, 5th Floor New York, NY 10017 Tel: 212.708.3600

Architect Kohli Pedersen Fox Associates PC PC Architects & Planning Consultants 11 West 42nd Street New York, New York 10036 Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer Thornton Tomasetti, Inc. 51 Madison Avenue New York, NY 10017 Tel: 917.661.7800 Fax: 718.661.7801

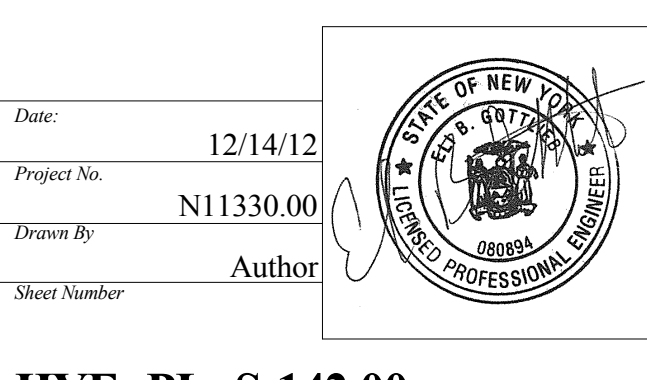
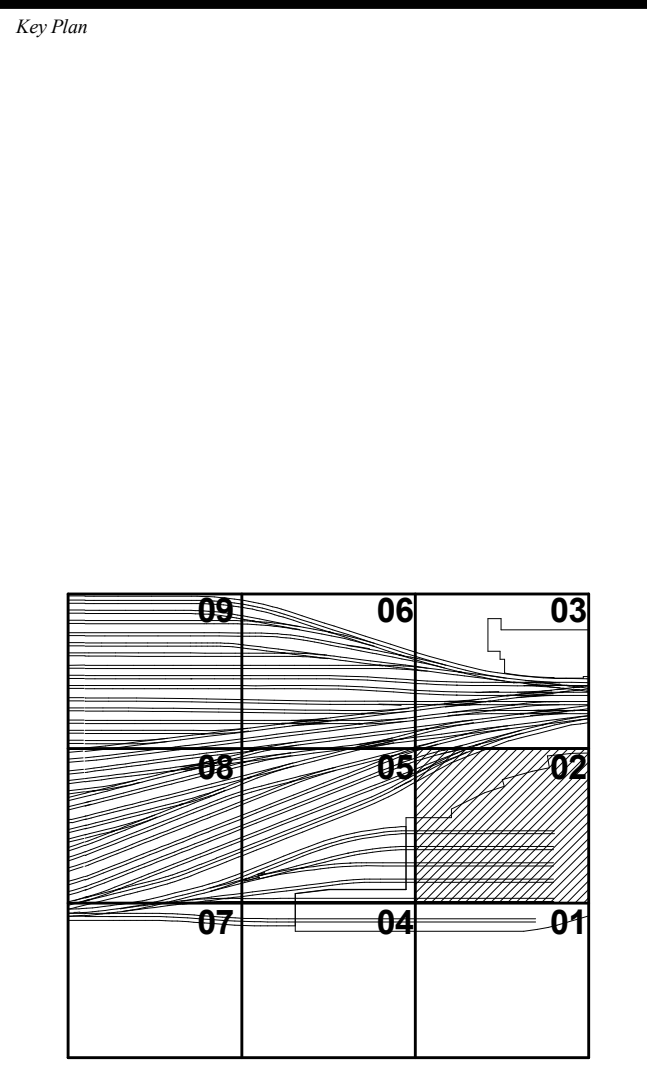
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security, Elevators Transportation Group 100 Broadway New York, NY 10005 Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation Ove Arup & Partners P.C. 77 Water Street New York, NY 10005 Tel: 212.896.3000

LIRR Substation AECOM 645 Third Avenue New York, NY 10158 Tel: 212.973.9200 Fax: 212.682.6172

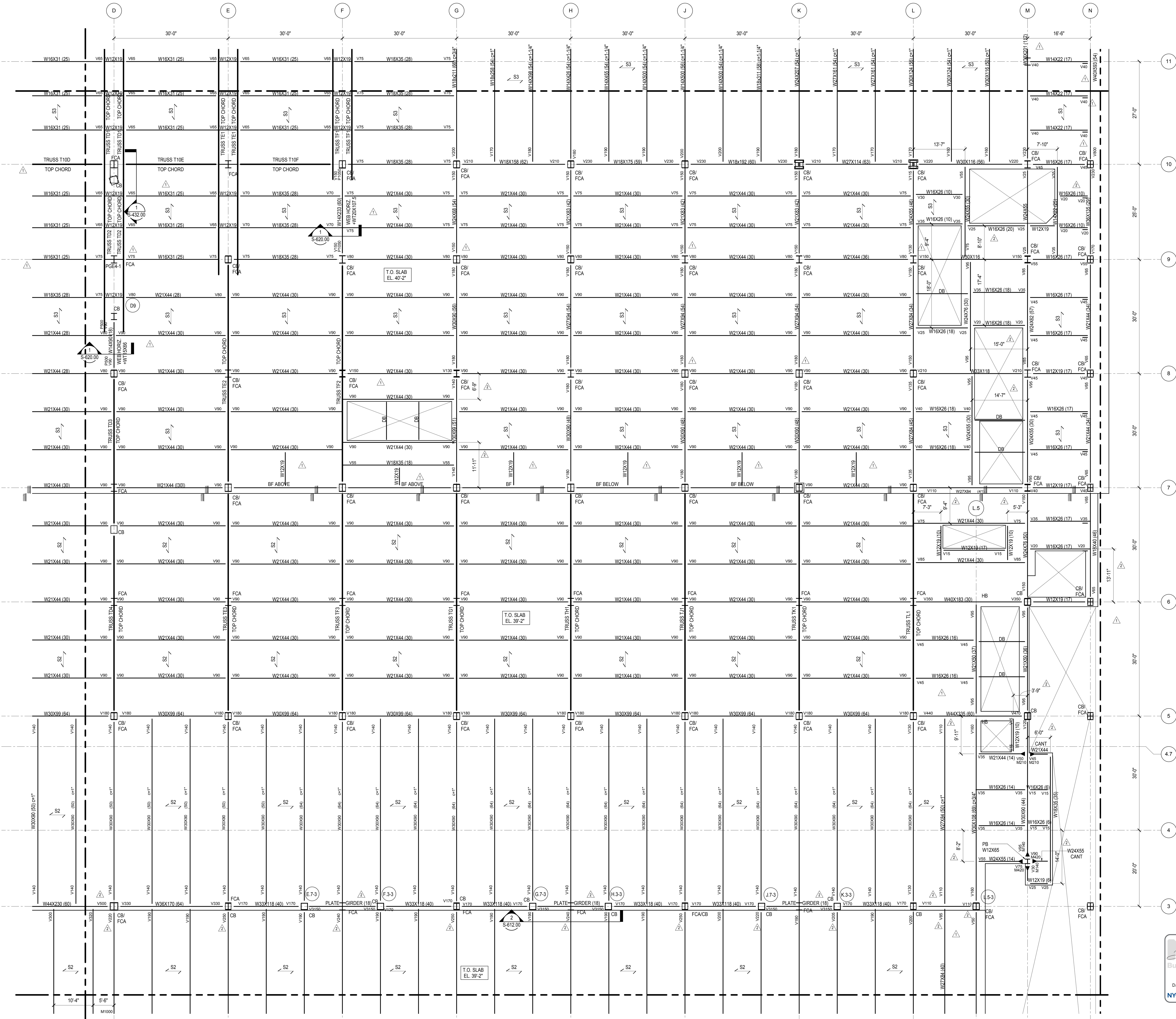
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Table with columns for drawing title, date, and description. Includes entries for NYC DOB FILING, LIRR - 60% SUBMISSION, and LIRR - 30% SUBMISSION.

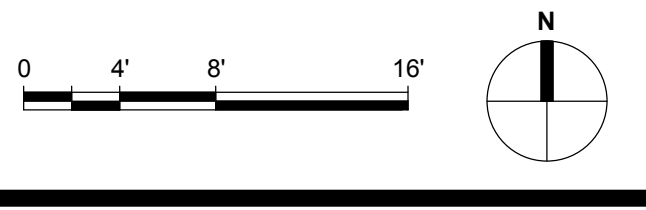


HYE - PL - S-142.00 DRAWING TITLE LEVEL PLAN UPPER PLATFORM SECTOR 02

Sheet number and title: SHEETS 32 OF 201, S-142.00

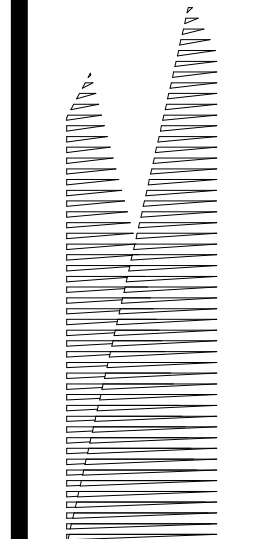


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NOTES: 1. REFER TO S-141.00 FOR SHEET NOTES

PLATE UPPER LEVEL PLAN SECTOR 02, S-142.00, 11/22/2013 8:00:38 PM, C:\Users\m13300... - East Platform - Central - IT.rvt



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
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Architect
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PC Architects & Planning Consultants
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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Tel: 917.661.7800 Fax: 718.661.7801

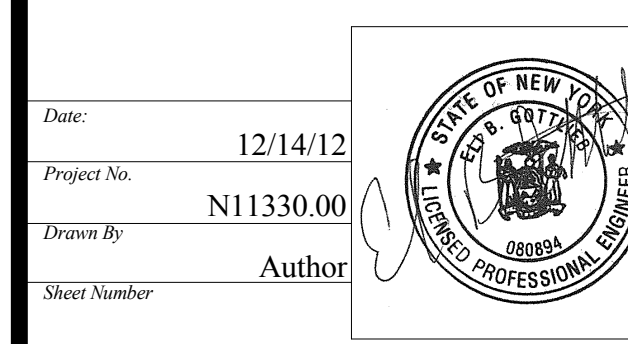
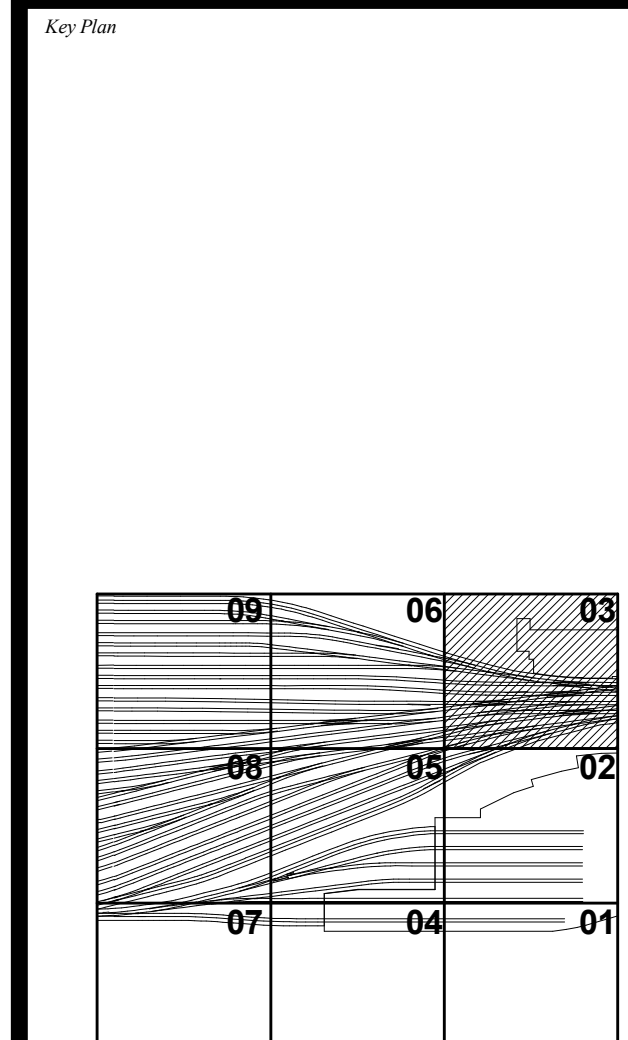
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Persons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

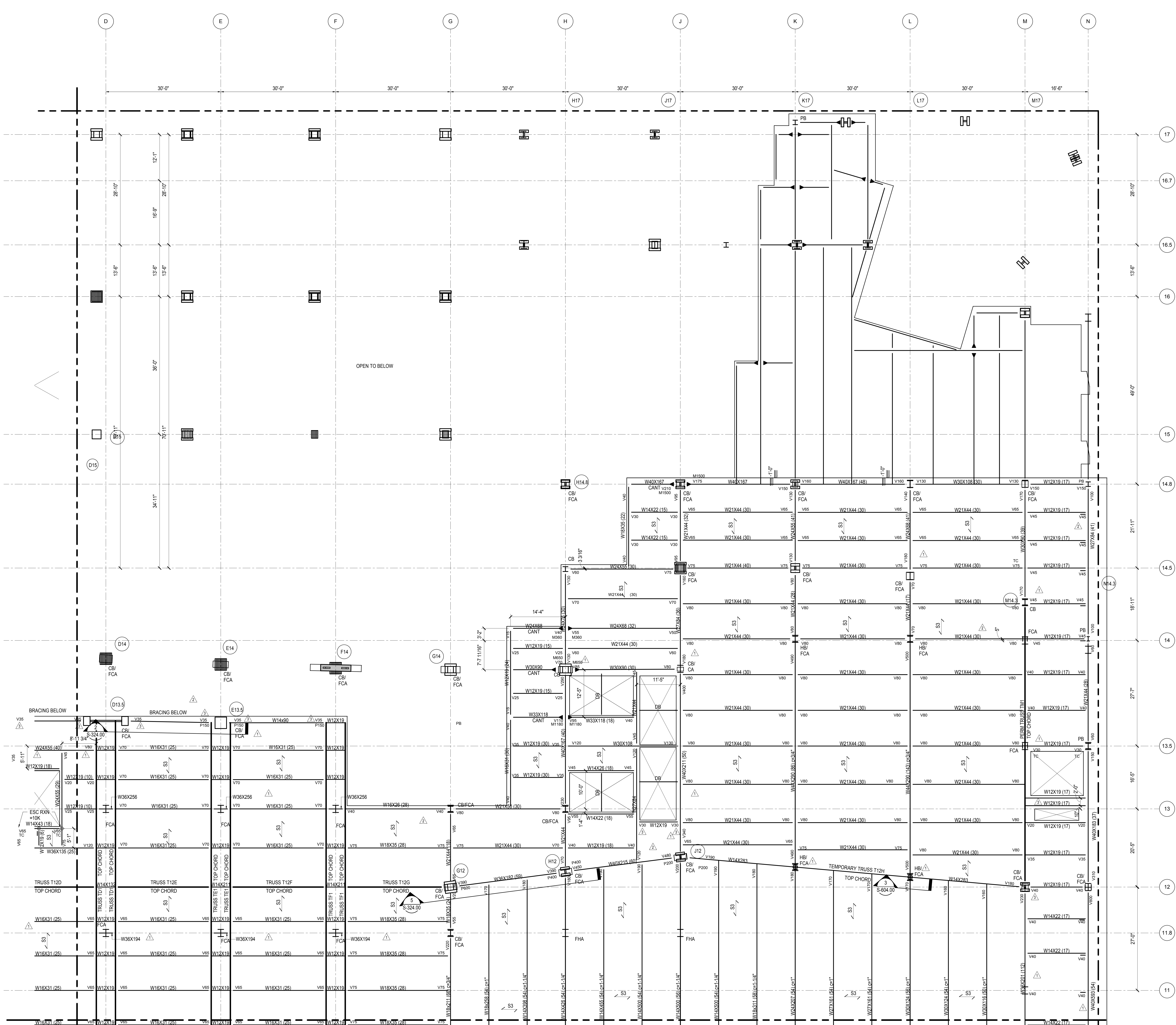
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| NYC DOB FILING | | 10/4/2013 |
| DI-01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
| L.I.R.R. - 60% PHASE I FDNS | | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | | 2/15/2013 |

| NYC DOB FILING | Description | Date |
|---------------------------------|-------------|------------|
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| M&U PLATFORM SUBMISSION | | 11/1/2013 |
| DI-02 PHASE I STRUCTURAL UPDATE | | 11/1/2013 |
| NYC DOB FILING | | 10/4/2013 |
| DI-01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
| L.I.R.R. - 60% PHASE I FDNS | | 3/29/2013 |
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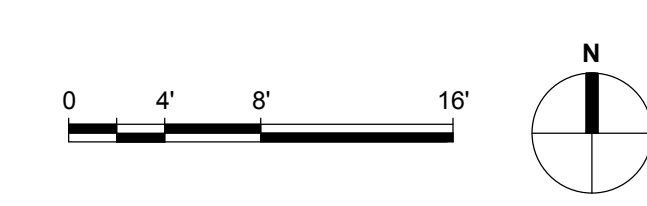


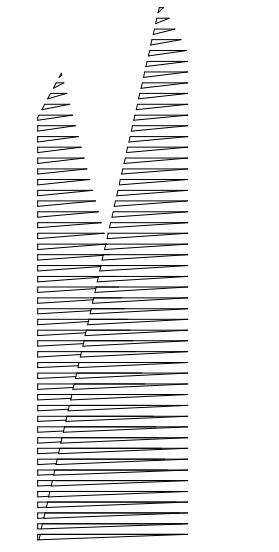
Damian Titus
Building APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

HYE - PL - S-143.00
PLATFORM UPPER LEVEL PLAN SECTOR 03



NOTES:
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60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

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PC Architects & Planning Consultants
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Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

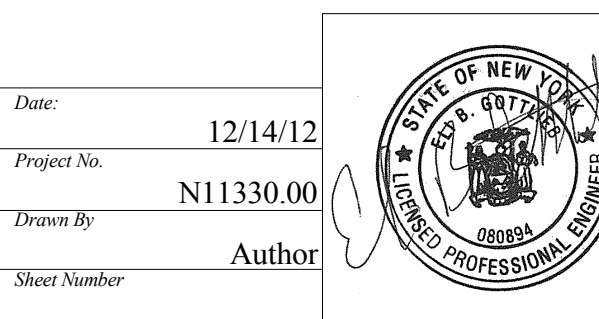
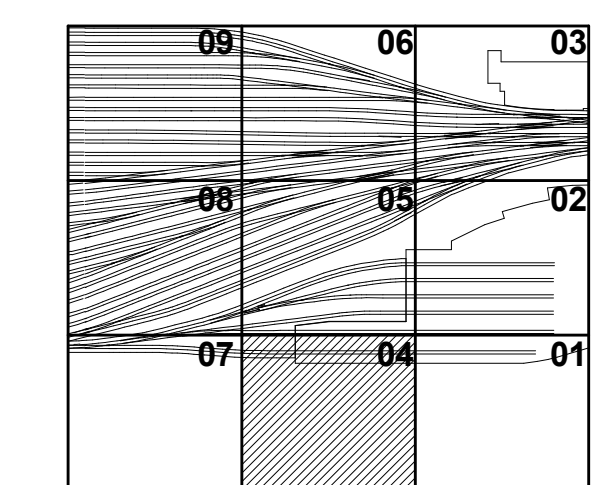
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

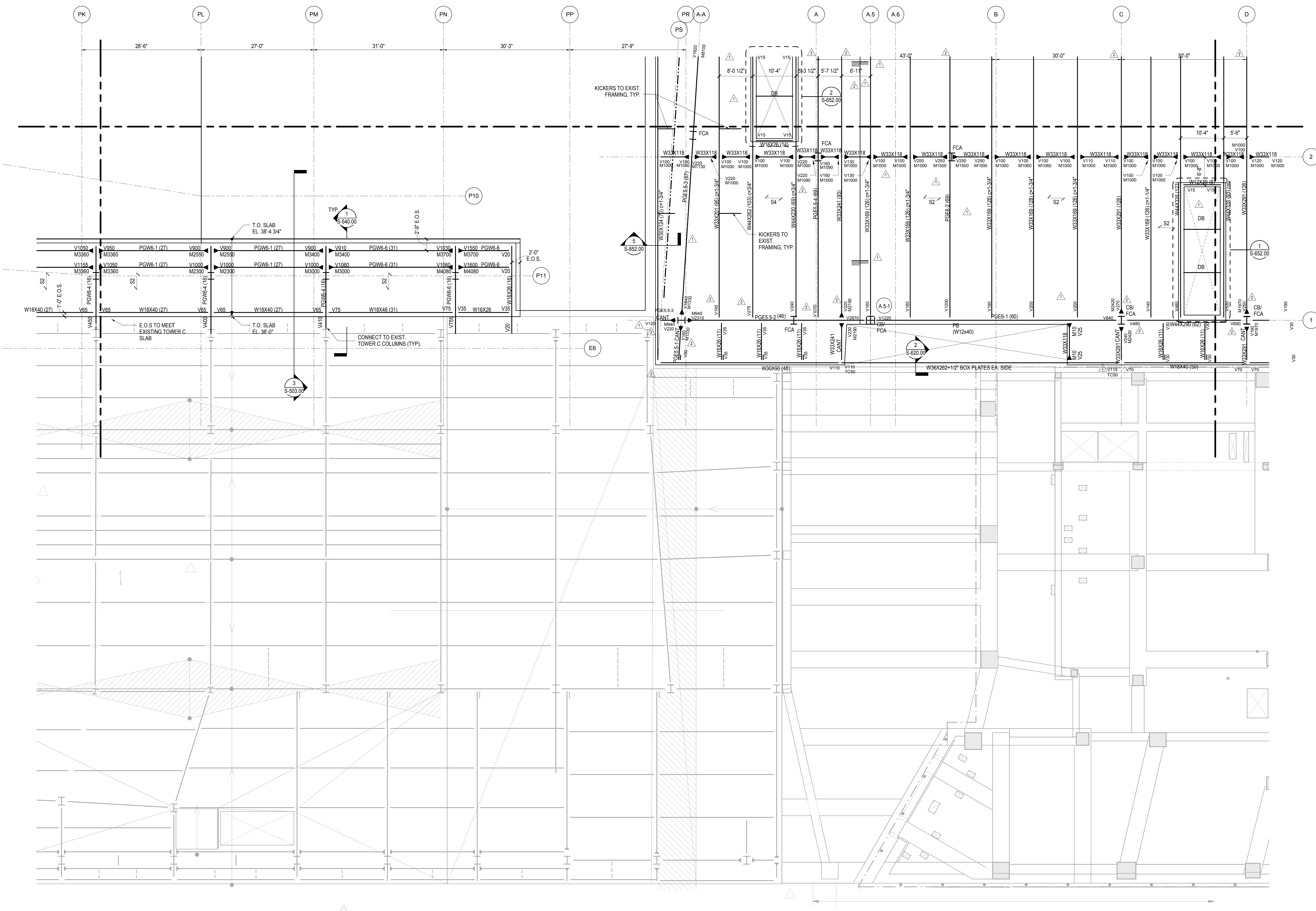
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| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
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| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev Plot

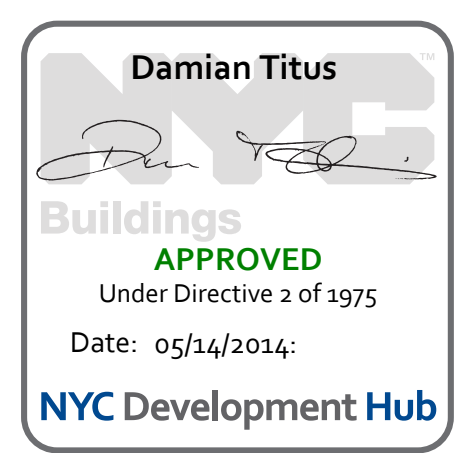


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Project No: N11330.00
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Platform Upper Level Plan Sector 04

Drawing Number: /B/SC/15 Drawing Number: S-144.00
SHEET 34 OF 201



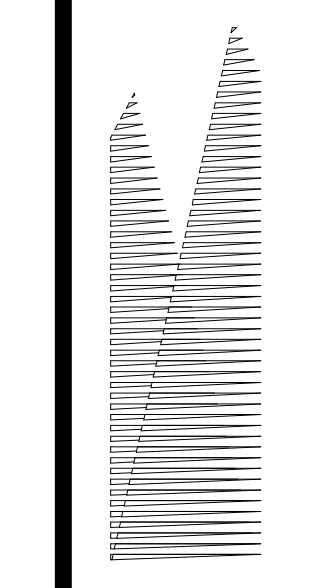
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Address
530 WEST 33RD STREET
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
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New York, NY 10022
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Construction Manager
Fishman Construction Corporation
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Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

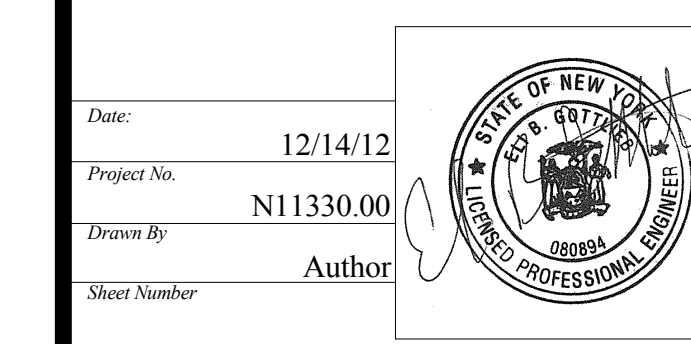
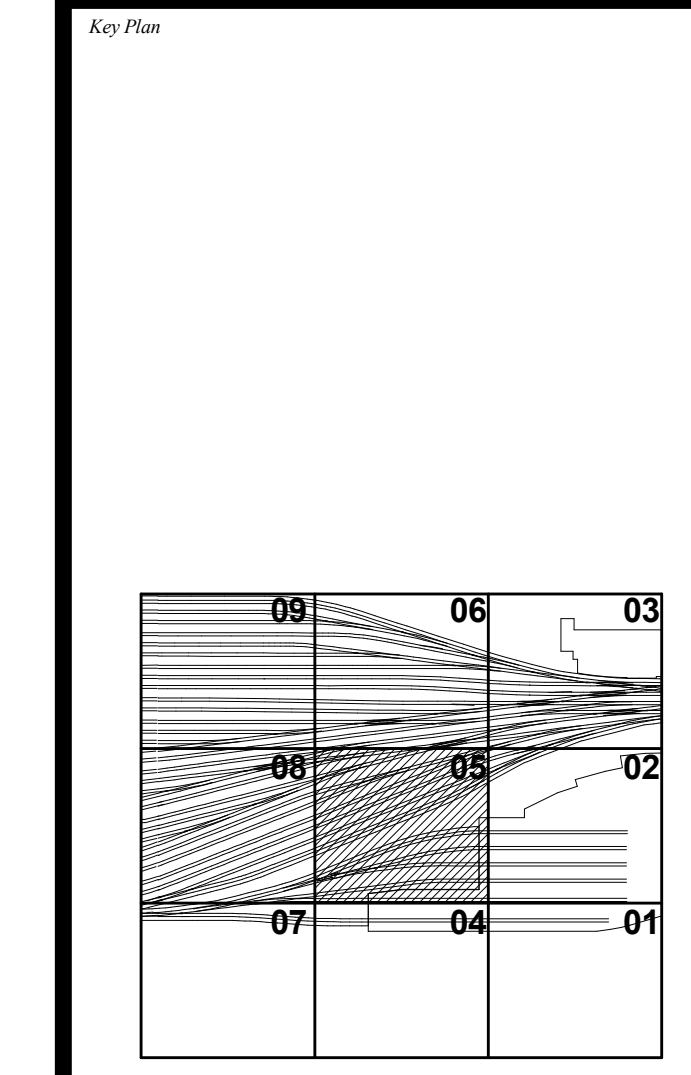
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

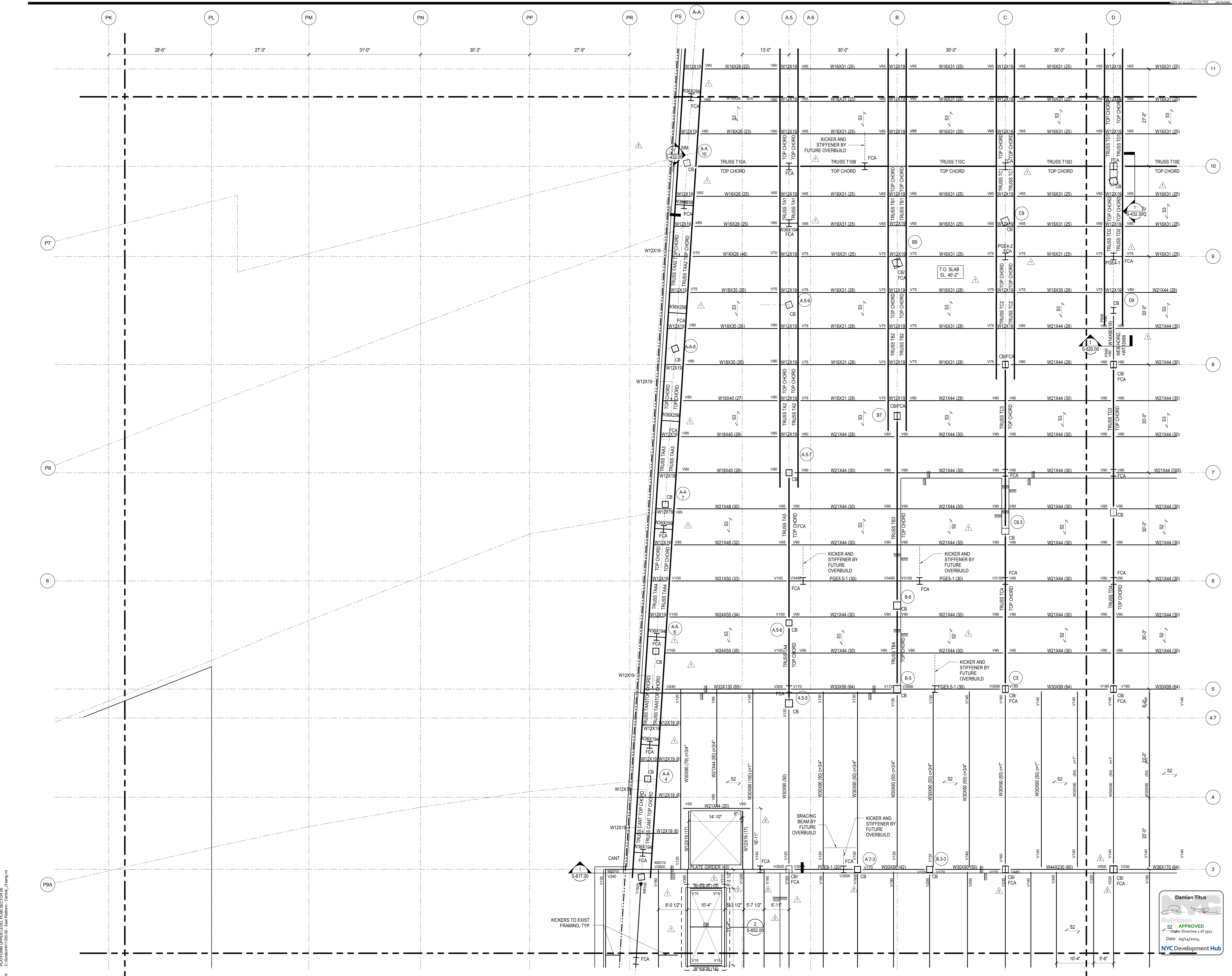
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

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| LIRR - 60% SUBMISSION | 5/29/2013 |
| NYC DOB FILING | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev Description | Date |



Date: 12/14/12
Project No: N11330.00
Drawing Title: **HYE - PL - S-145.00**
PLATFORM UPPER LEVEL PLAN SECTOR 05

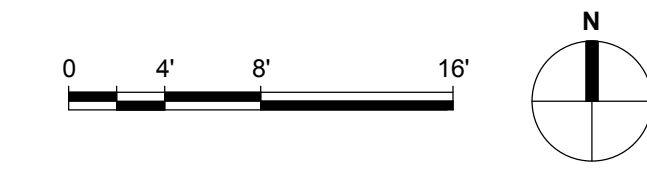
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SHEET 35 OF 201



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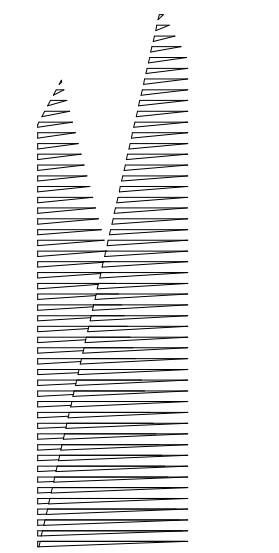
NOTES:
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Damian Titus
Professional Engineer
No. 13150
Exp. 12/31/15
NYC DOB FILING
S2 APPROVED
Author
Date: 05/14/2014
NYC Development Hub



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Address
530 WEST 33RD STREET
NEW YORK, NY



Client
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New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
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New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

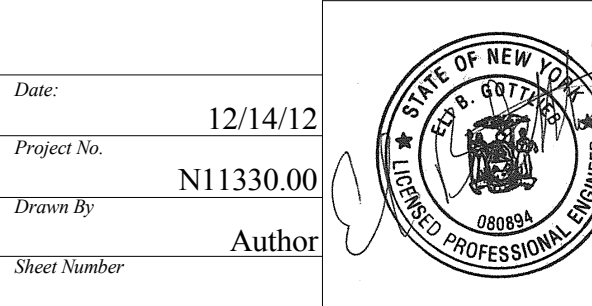
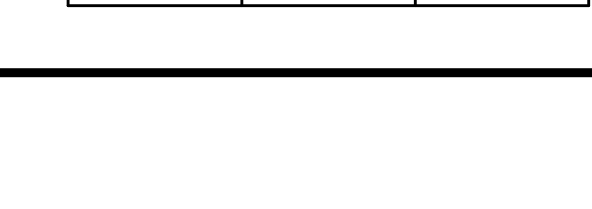
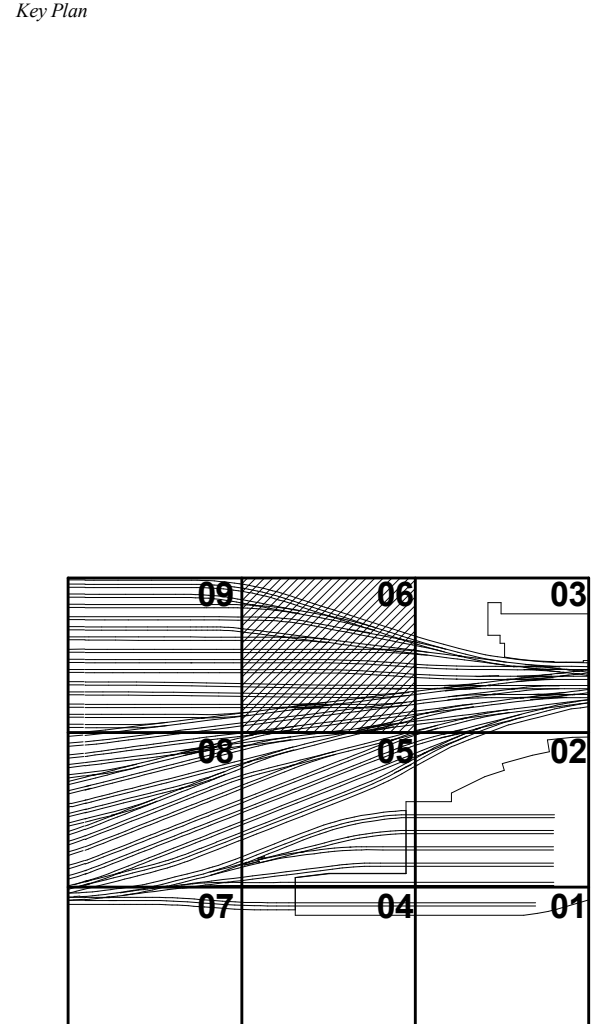
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

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| L.I.R.R. - PRE-FINAL | 100% SUBMISSION | 11/22/2013 |
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| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
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| L.I.R.R. - 30% SUBMISSION | | 2/15/2013 |

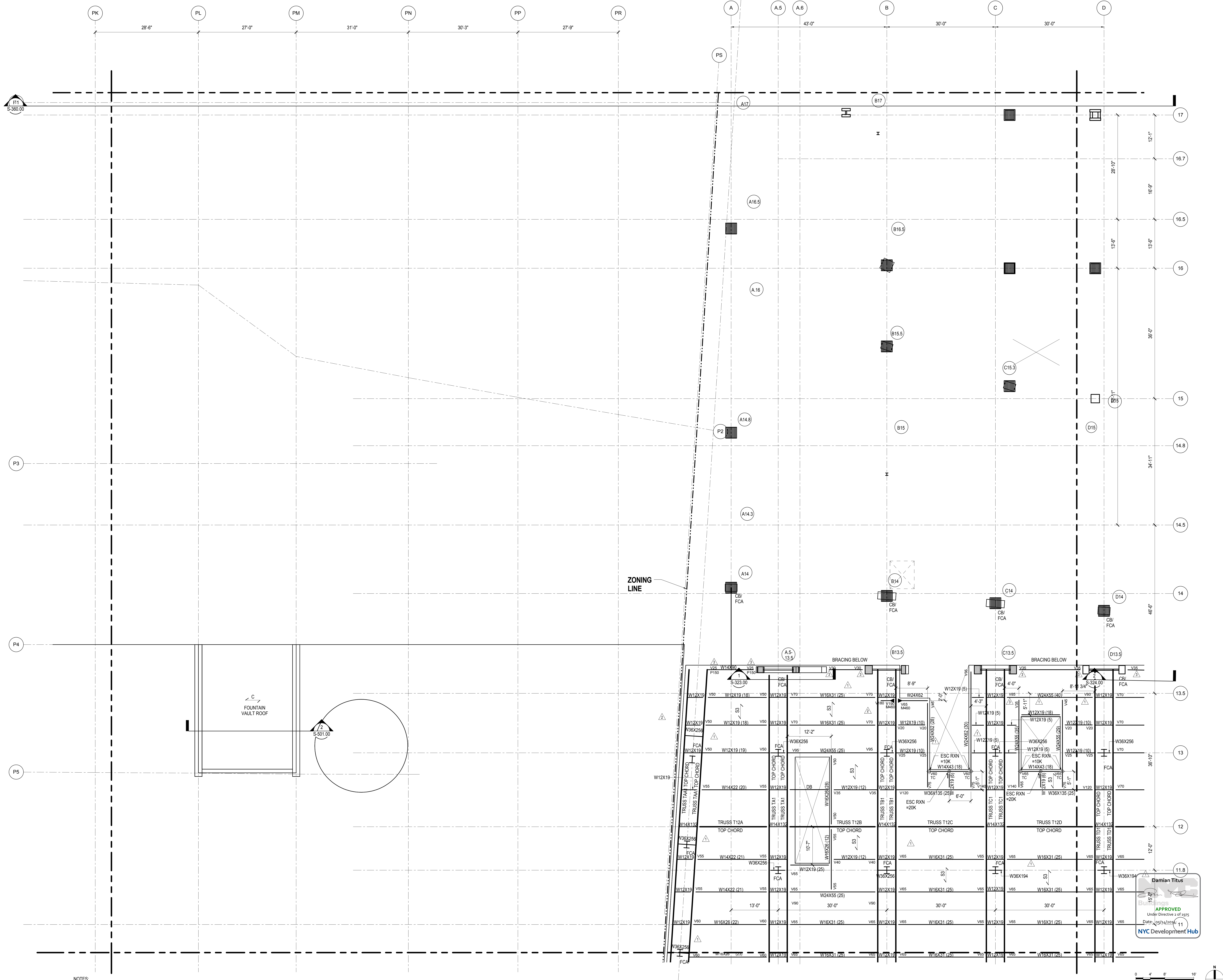
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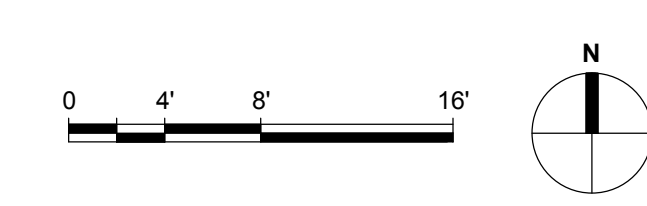


Date: 12/14/12
Project No: N11330.00
Author: Damian Titus
Title: Author
HYE - PL - S-146.00
Drawing Title: **PLATFORM UPPER LEVEL PLAN SECTOR 06**

Drawing Number: /B/SC/10 Drawing Number
S-146.00
SHEET 36 OF 201



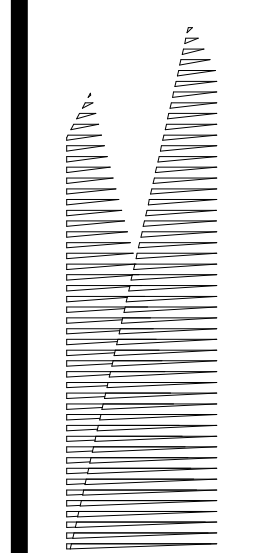
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1. REFER TO S-141.00 FOR SHEET NOTES



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**HUDSON YARDS
PLATFORM**

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
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New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

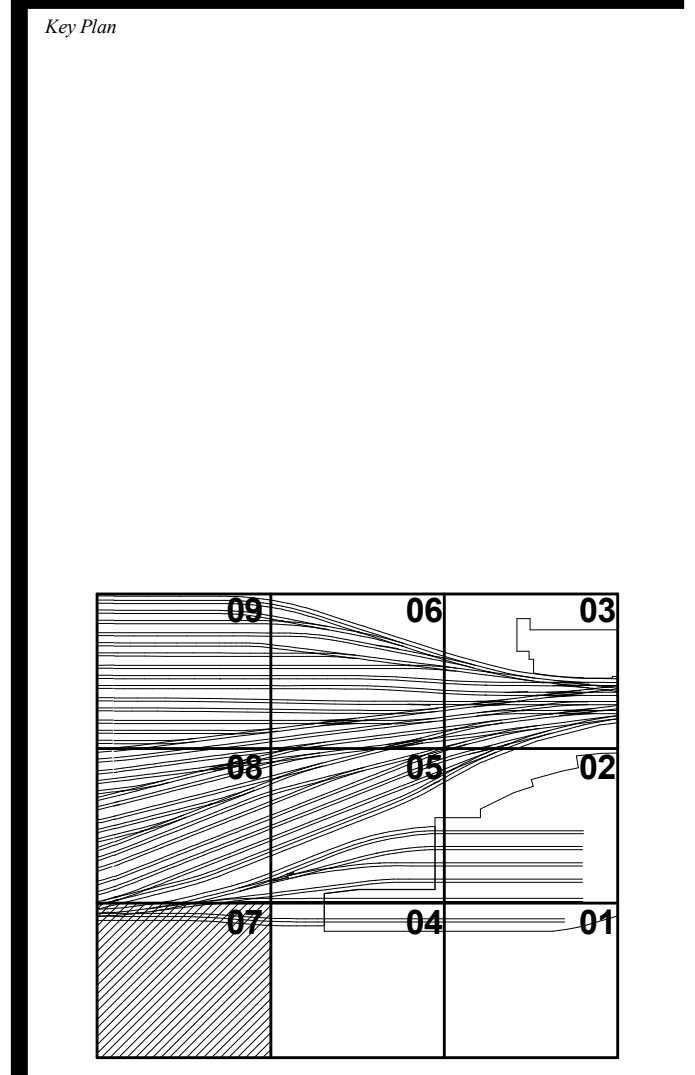
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

*Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group*
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

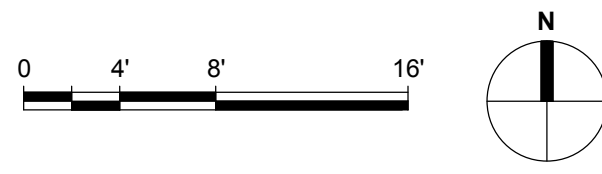
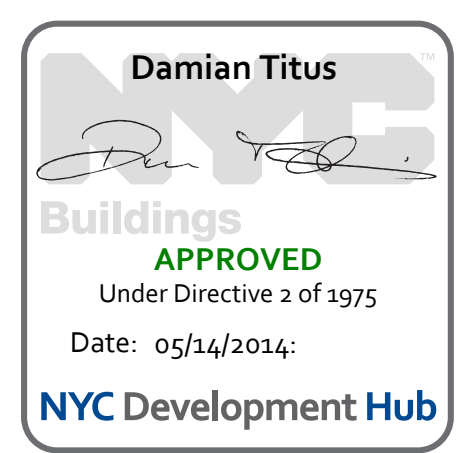
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DI-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DI-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |



Date: 12/14/12
Project No: N11330.00
Drawn By: Author
Issue Number: Author

HYE - PL - S-147.00
Drawing Title:
**PLATFORM UPPER
LEVEL PLAN SECTOR
07**

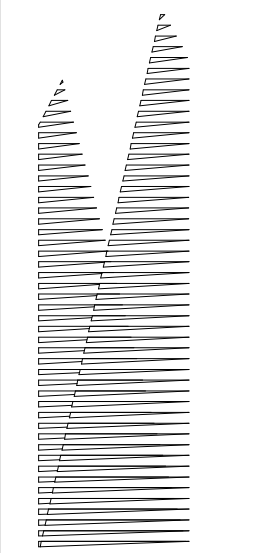
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S-147.00
SHEET 37 OF 201



NOTES:
1. REFER TO S-141.00 FOR SHEET NOTES

S-147.00
11/22/2013 8:52:40 PM
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Client
United Companies
90 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

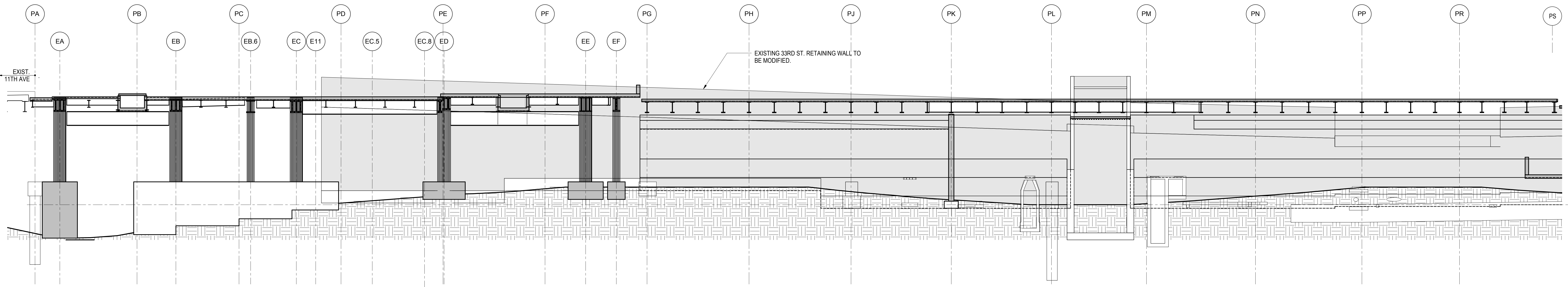
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

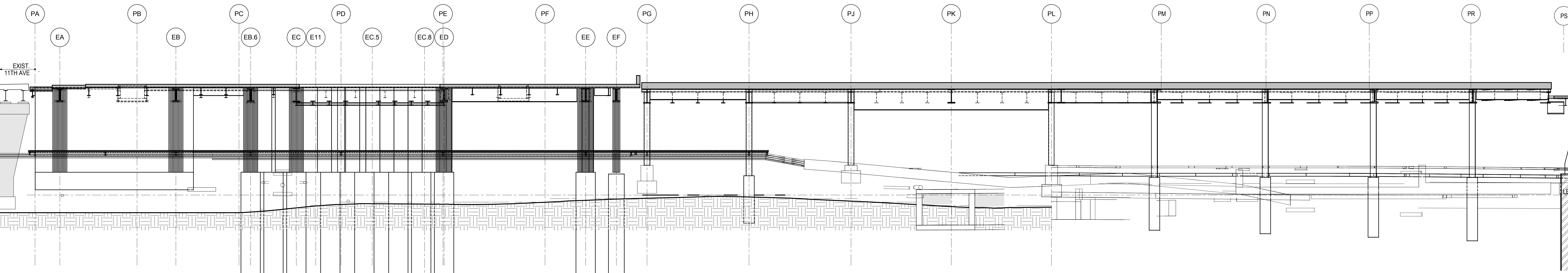
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

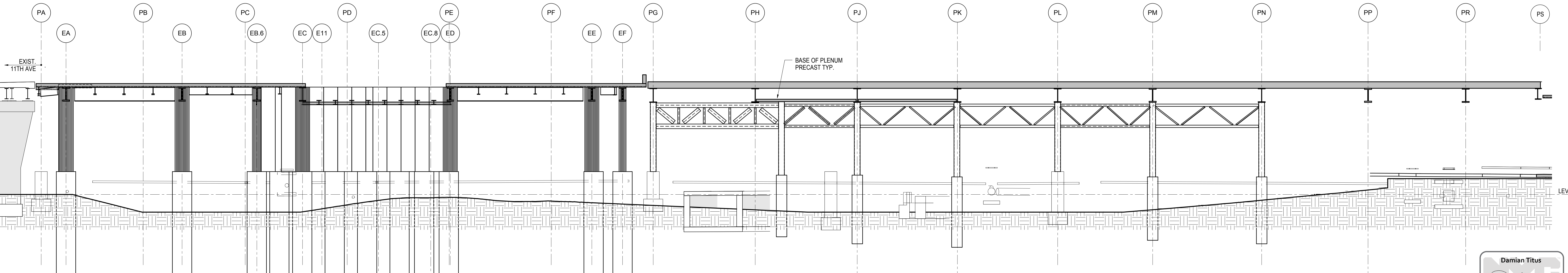
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION GRID LINE P1
3/32" = 1'-0"



2 ELEVATION GRID LINE P2
3/32" = 1'-0"



3 ELEVATION GRID LINE P3
3/32" = 1'-0"

| | |
|----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| Δ DLO2 PHASE 1 STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLO1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

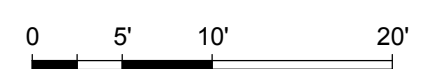
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Date: 12/14/2012
Project No: N11330.00
Title: Author
Sheet Number

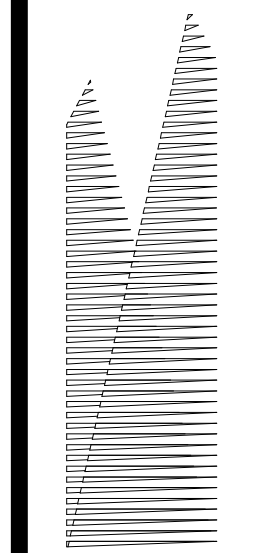
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ELEVATIONS GRIDS P1, P2, P3

Drawing Number / B/S/C/S Drawing Number
S-201.00

SHEET 38 OF 201



S-201.00
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
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Parsons Transportation Group
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LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

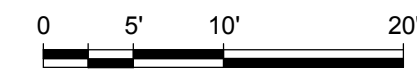
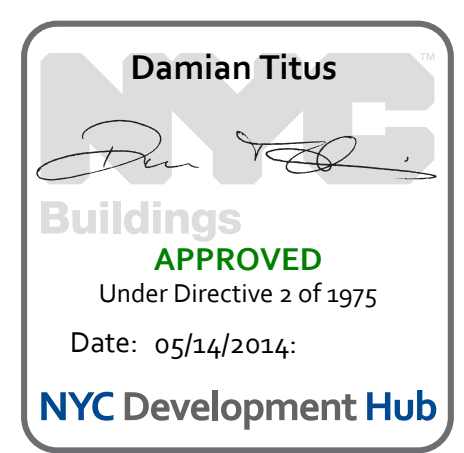
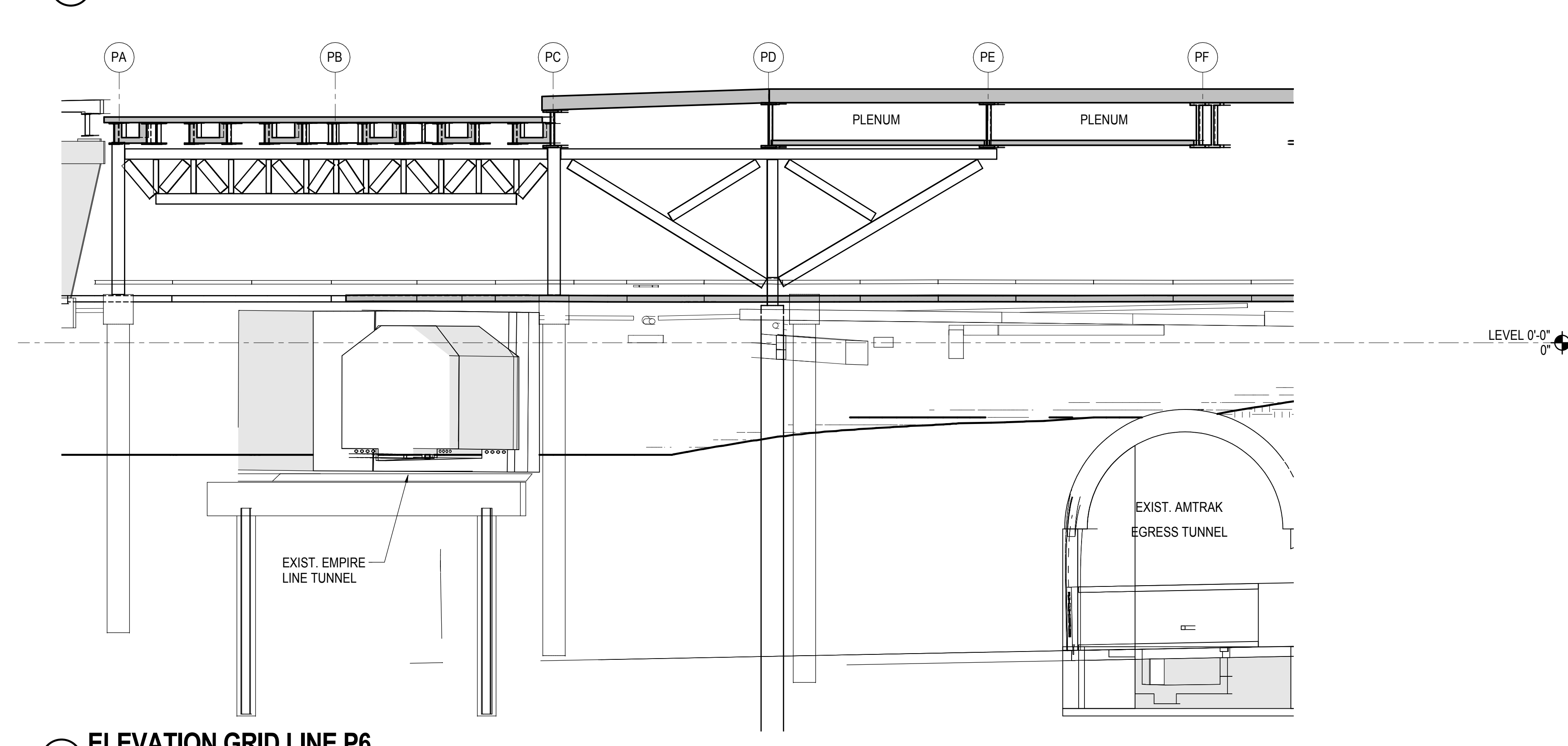
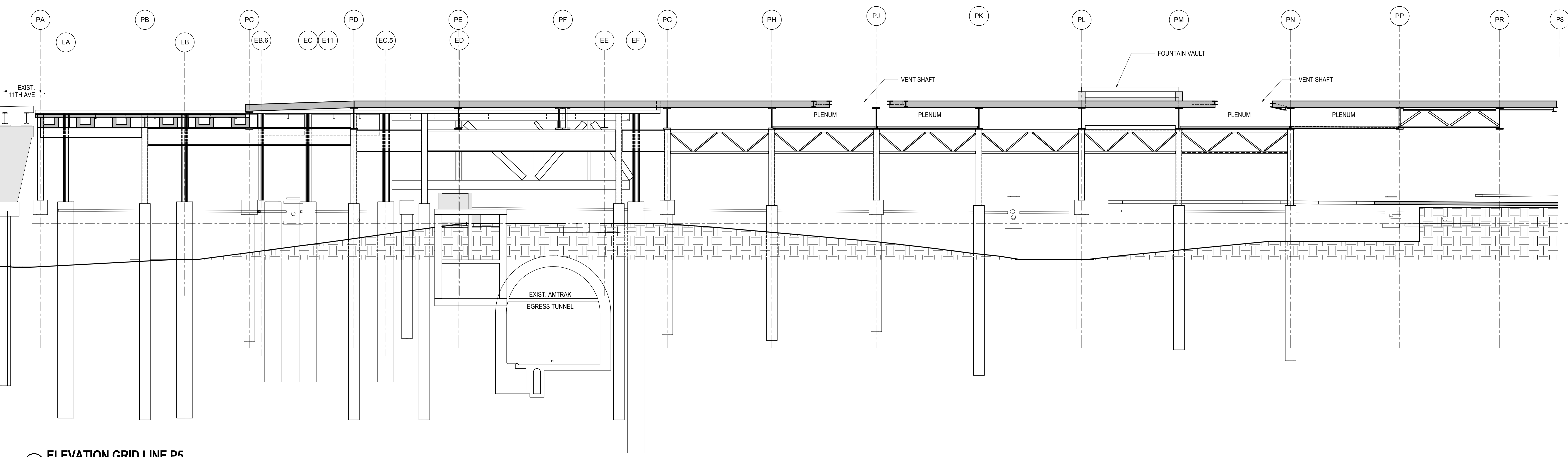
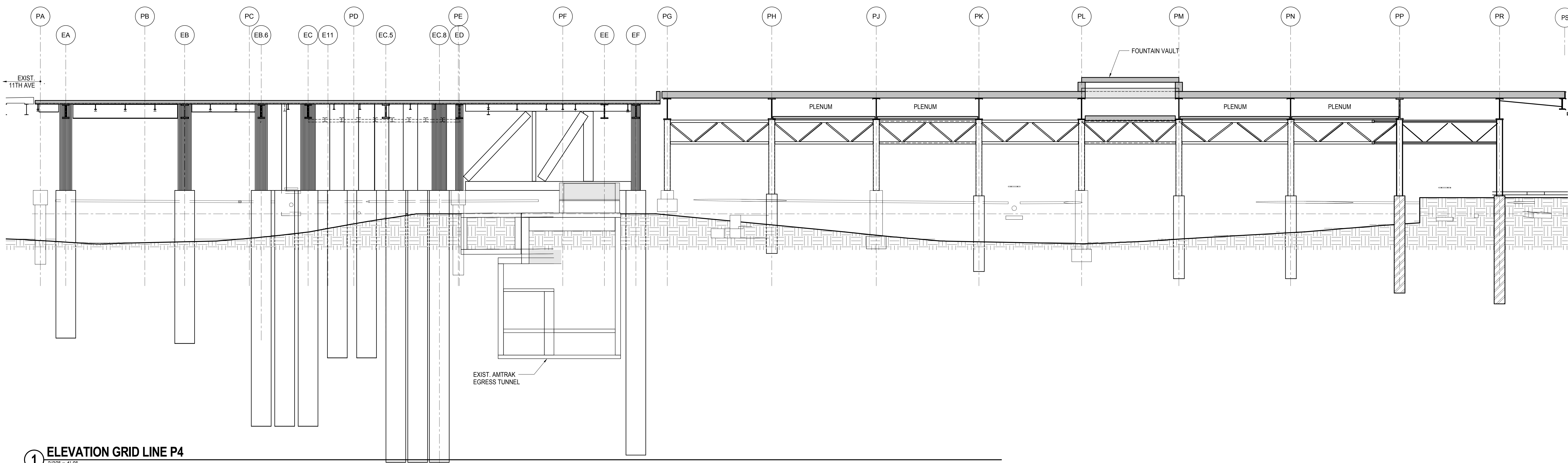
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL42 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL42 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

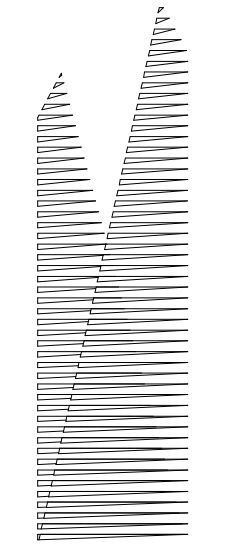
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Project No: N11330.00
Author: [Signature]

HYE - PL - S-202.00
ELEVATIONS GRIDS P4, P5, P6

Drawing Number / B/S/C/A/S Drawing Number
S-202.00



S-202.00
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

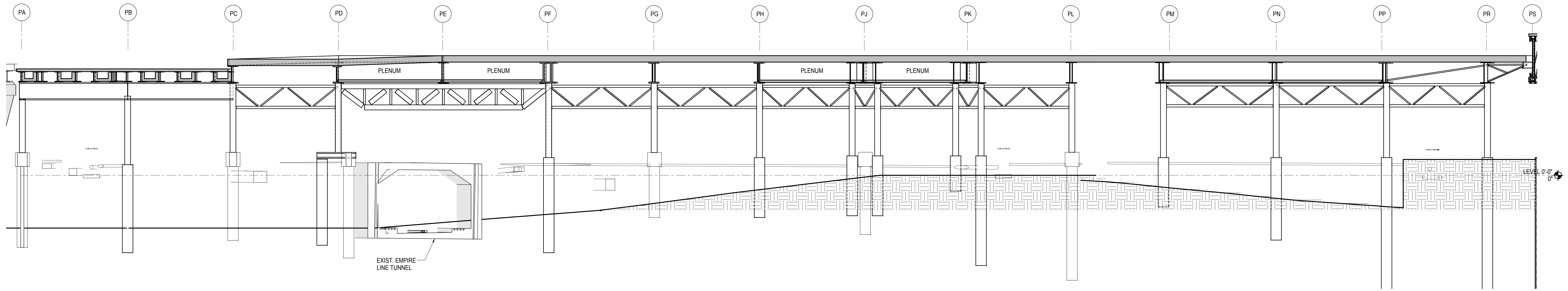
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

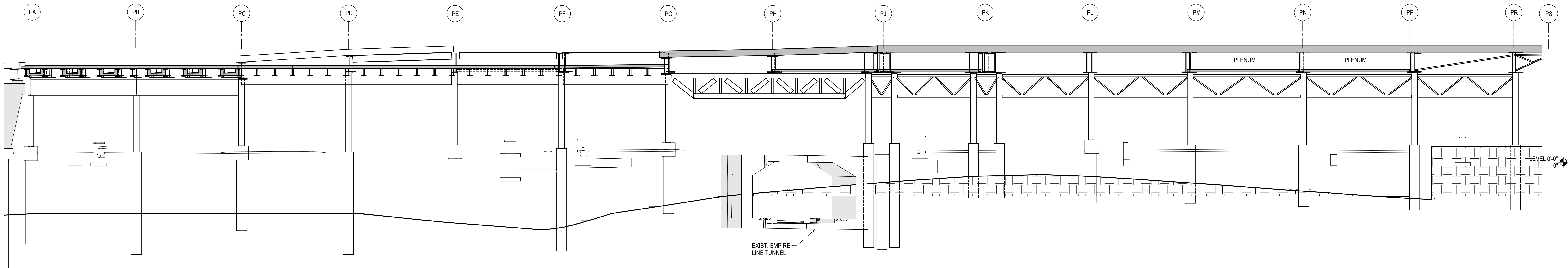
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

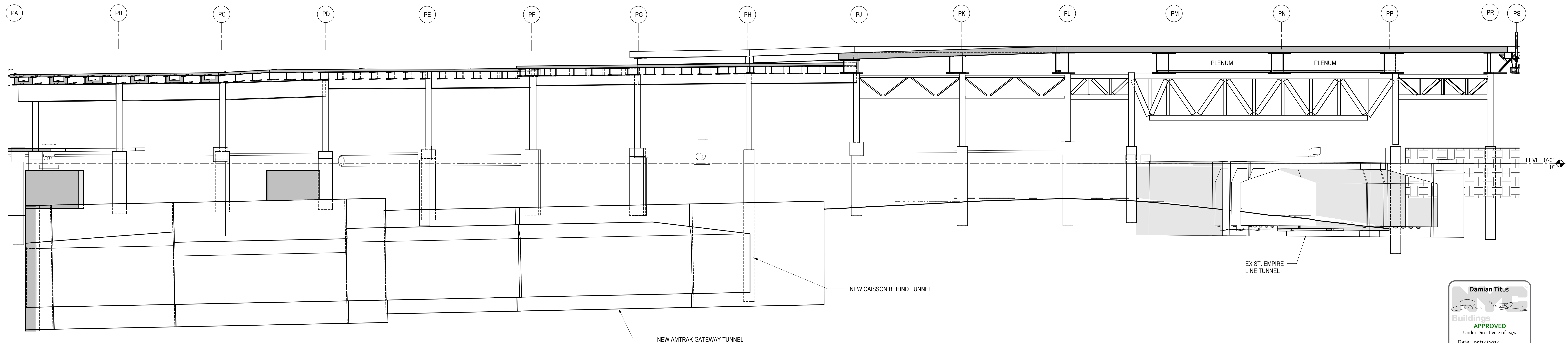
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION GRID LINE P7
3/32" = 1'-0"



2 ELEVATION GRID LINE P8
3/32" = 1'-0"



3 ELEVATION GRID LINE P9
3/32" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DLQ2 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DLQ1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev

Date: 12/14/2012

Project No: N11330.00

Author

Minor Number

HYE - PL - S-203.00

Drawing Title

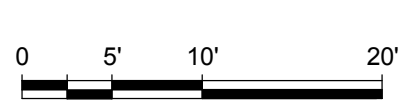
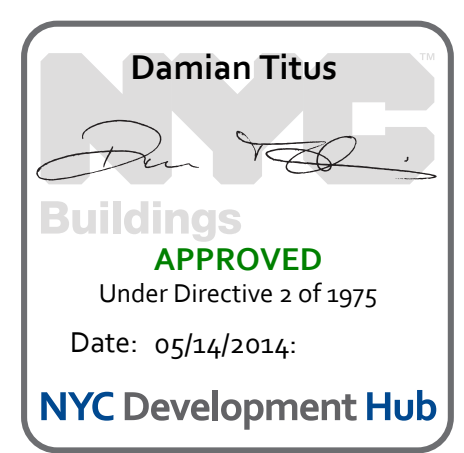
ELEVATIONS GRIDS P7, P8, P9

Drawing Number / BSC/AS Drawing Number

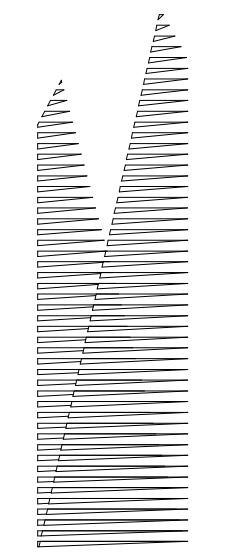
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SHEET 40 OF 201

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ELEVATIONS GRIDS P7, P8, P9
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

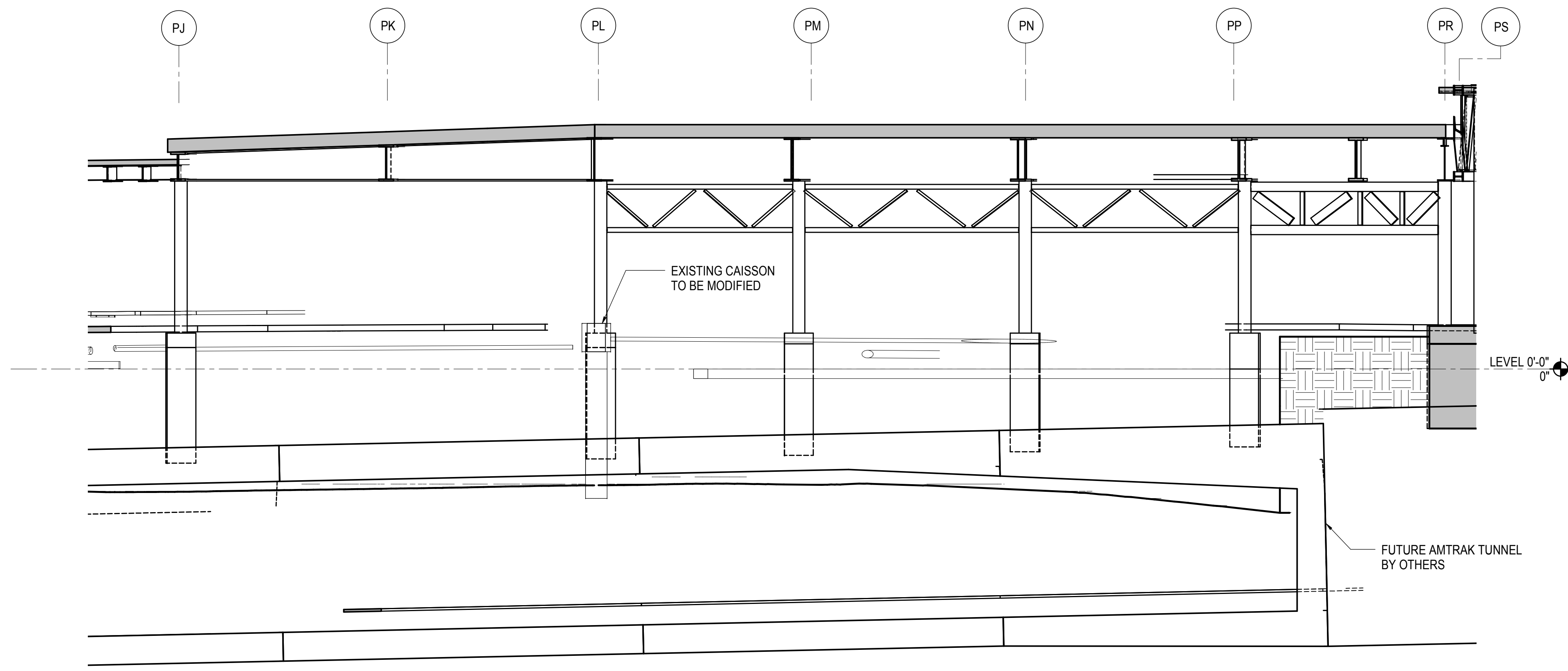
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

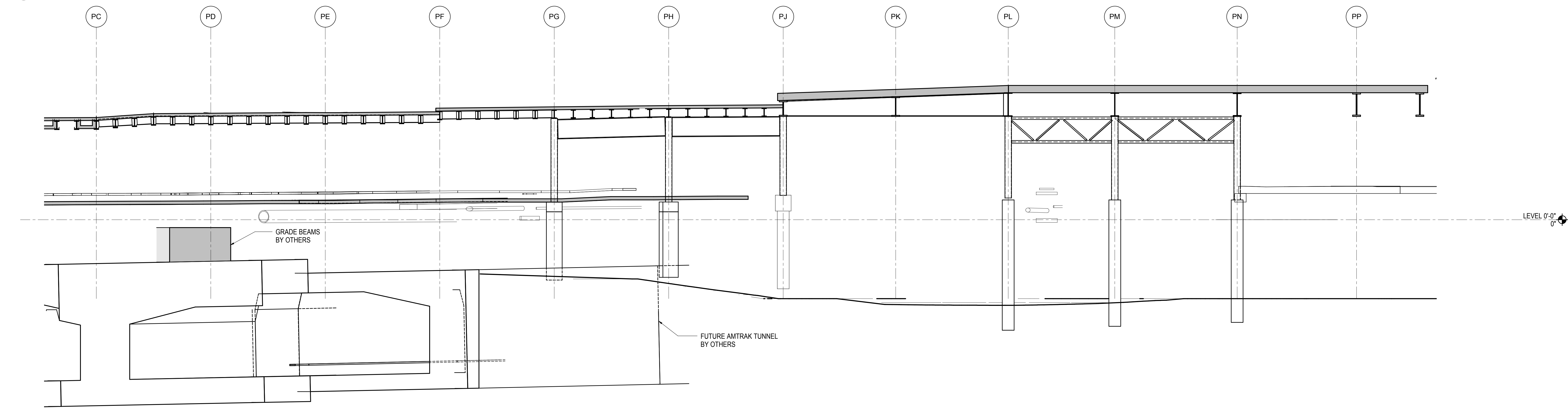
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

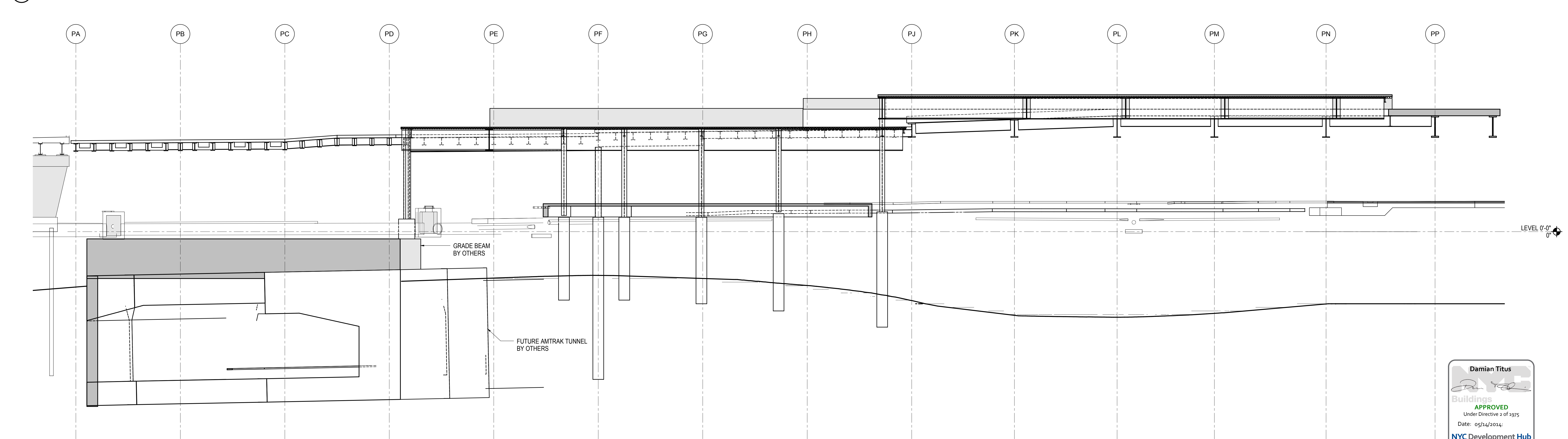
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION GRID LINE P9A
3/32" = 1'-0"



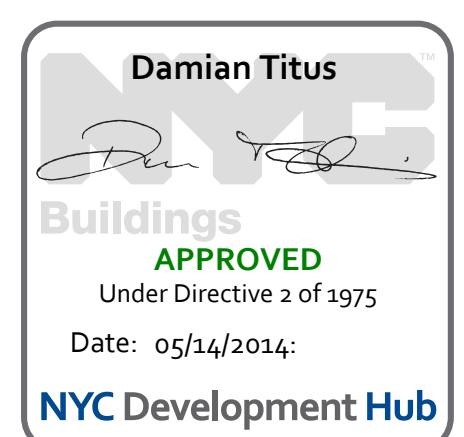
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3/32" = 1'-0"



3 ELEVATION GRID LINE P11
3/32" = 1'-0"

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| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

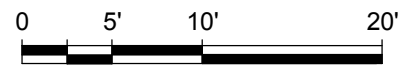
Rev. Plan



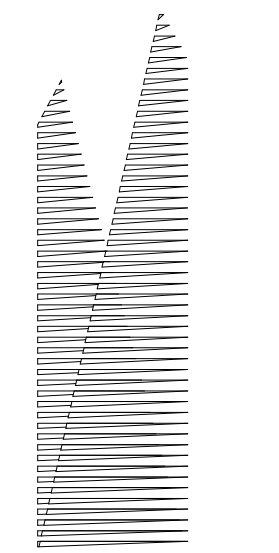
Date: 12/14/2012
Project No: N11330.00
Drawn By: Author
Issue Number:

HYE - PL - S-204.00
Drawing Title
ELEVATION GRIDS
P9A, P10, P11

Drawing Number / B/S/C/A/S Drawing Number
S-204.00



S-204.00
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
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New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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Tel: 212.708.3600

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PC Architects & Planning Consultants
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Structural Engineer
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New York, NY 10005
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LIRR Substation
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| NYC DOB FILING | Date |
|------------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&T - PLATFORM SUBMISSION | 11/22/2013 |
| Δ - DL42 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL40 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 1/15/2013 |

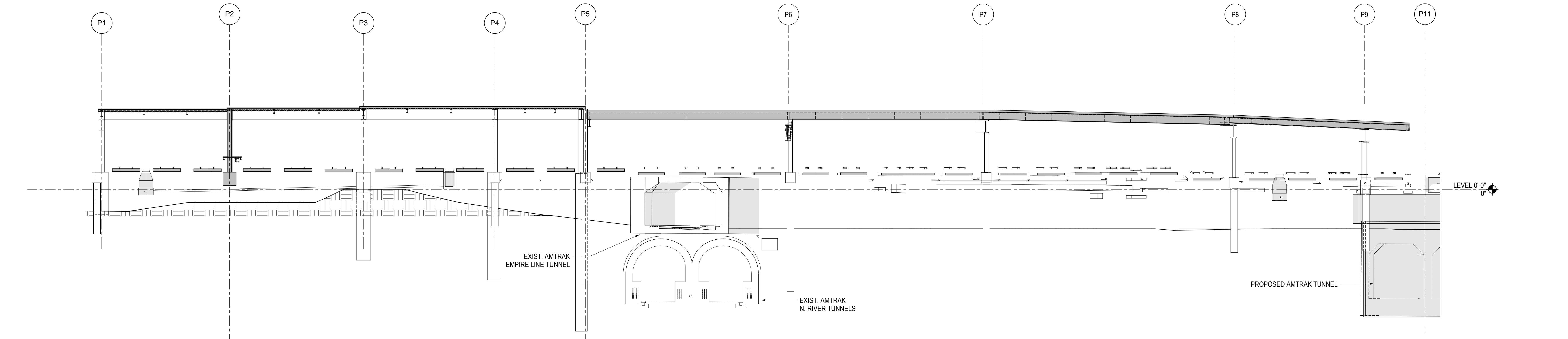
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Date: 12/14/2012
Project No: N11330.00
Author: Author

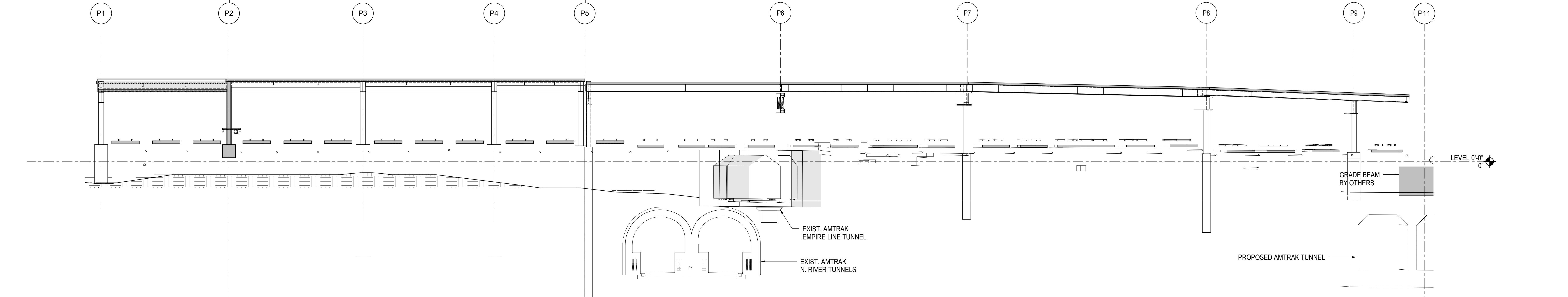
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Drawing Title: **ELEVATIONS GRIDS PA TO PD**

Drawing Number / B.S.C.A.S. Drawing Number
S-205.00

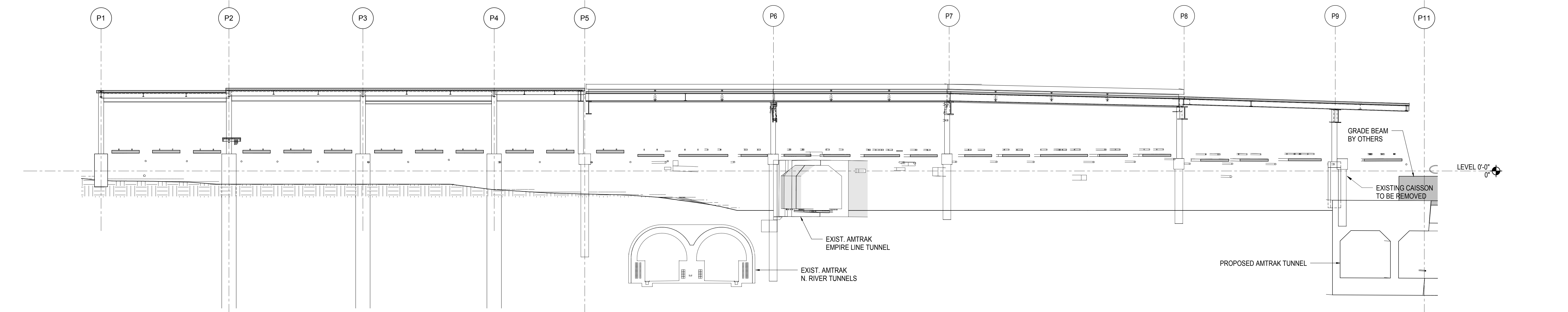
SHEET 42 OF 201



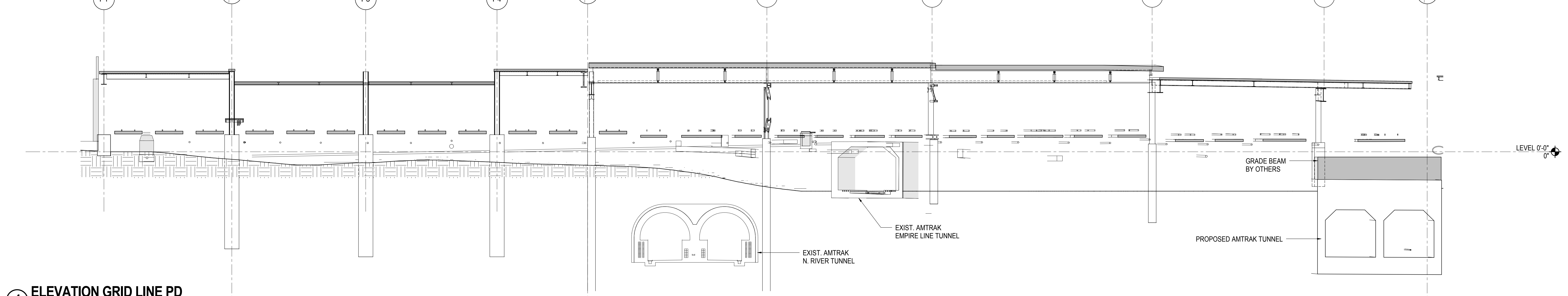
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2 ELEVATION GRID LINE PB
1/16" = 1'-0"

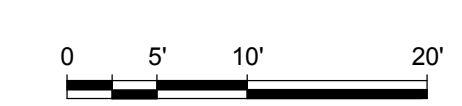
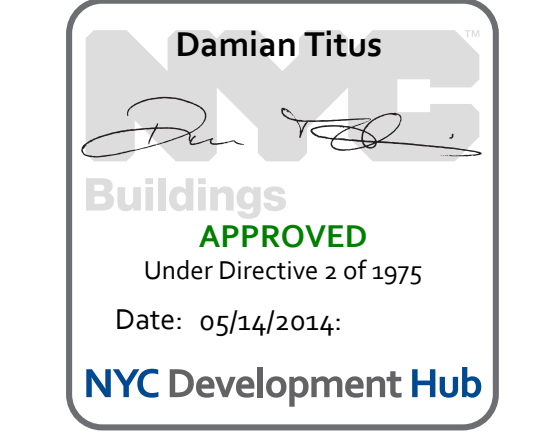


3 ELEVATION GRID LINE PC
1/16" = 1'-0"

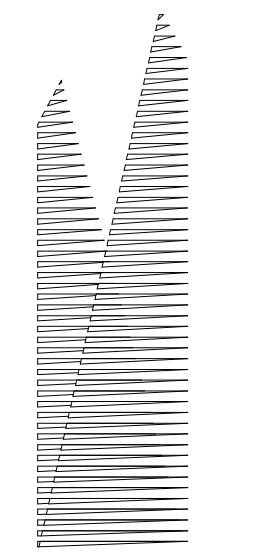


4 ELEVATION GRID LINE PD
1/16" = 1'-0"

NOTES: OPENINGS IN PLATE GIRDERS ARE OMITTED FOR CLARITY. REFER TO S5-11.00 FOR DETAILS



S-205.00
11/22/2013 8:17:12 PM
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

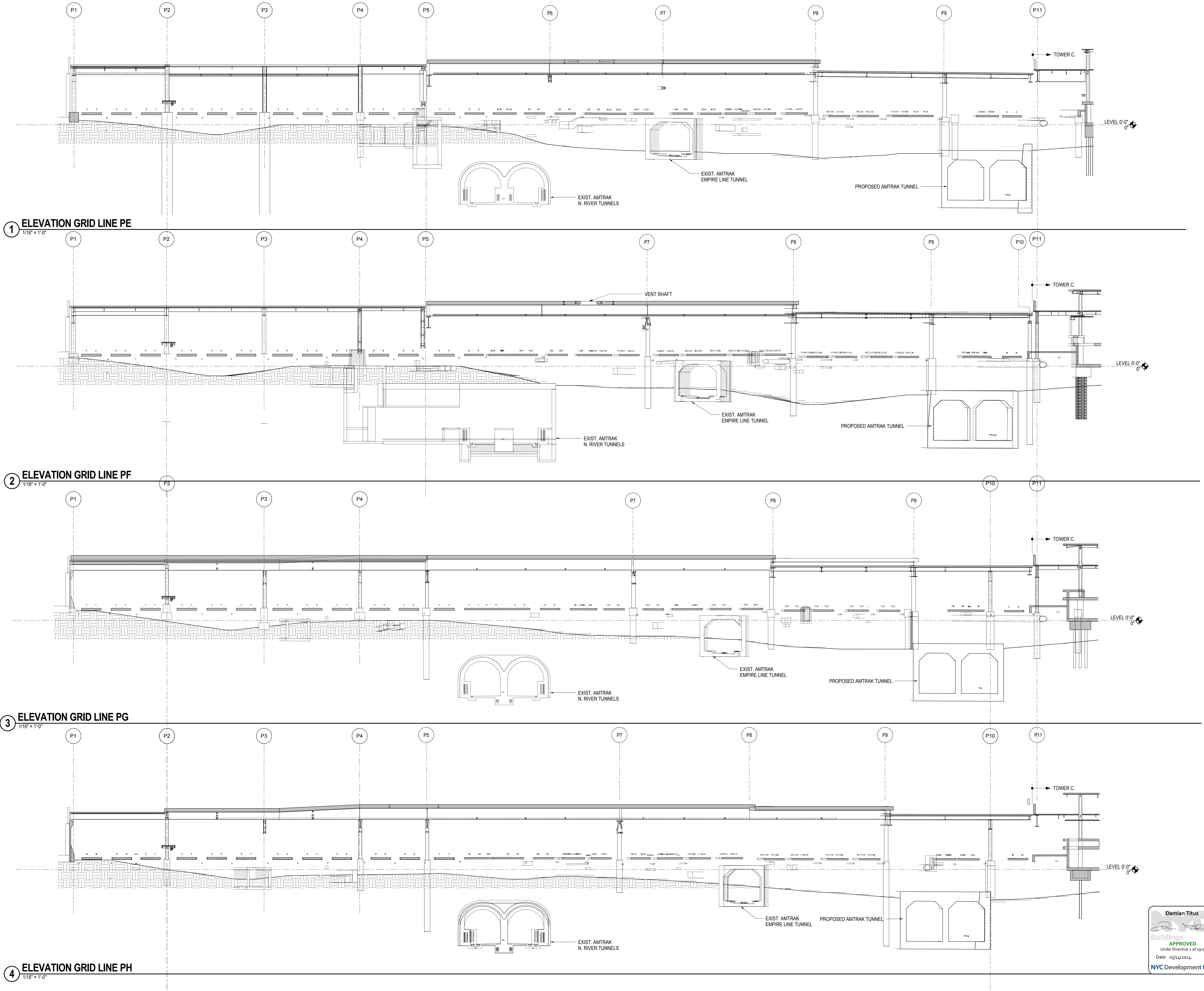
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
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Tel: 212.977.6500 Fax: 212.956.2526

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Fire Alarm, Fire Protection, Security
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LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



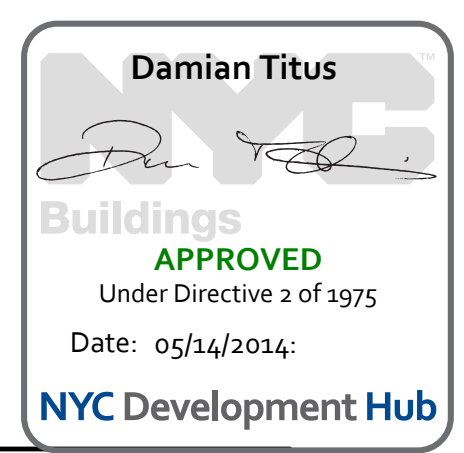
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1/16" = 1'-0"

2 ELEVATION GRID LINE PF
1/16" = 1'-0"

3 ELEVATION GRID LINE PG
1/16" = 1'-0"

4 ELEVATION GRID LINE PH
1/16" = 1'-0"

NOTES: OPENINGS IN PLATE GIRDERS ARE OMITTED FOR CLARITY. REFER TO S5-11.00 FOR DETAILS

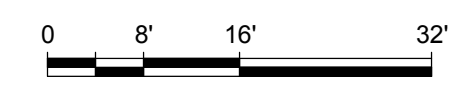


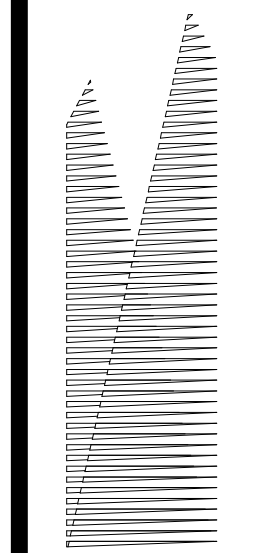
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| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL | 100% | 11/22/2013 |
| M&E PLATFORM SUBMISSION | | |
| Δ DELO PHASE I STRUCTURAL UPDATE | | 1/11/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ DELO PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| LIRR - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| LIRR - 60% SUBMISSION | | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | | 3/29/2013 |
| LIRR - 30% SUBMISSION | | 2/15/2013 |

| | |
|--------------|------------|
| Date | 12/14/2012 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Issue Number | |

HYE - PL - S-206.00
Drawing Title
ELEVATIONS GRIDS PE TO PH

Drawing Number / B/S/C/A/S Drawing Number
S-206.00
SHEET 43 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

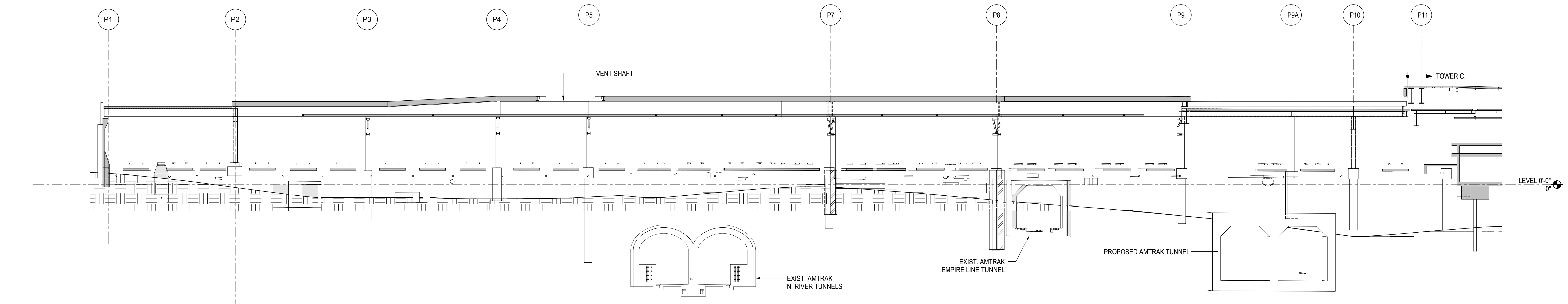
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

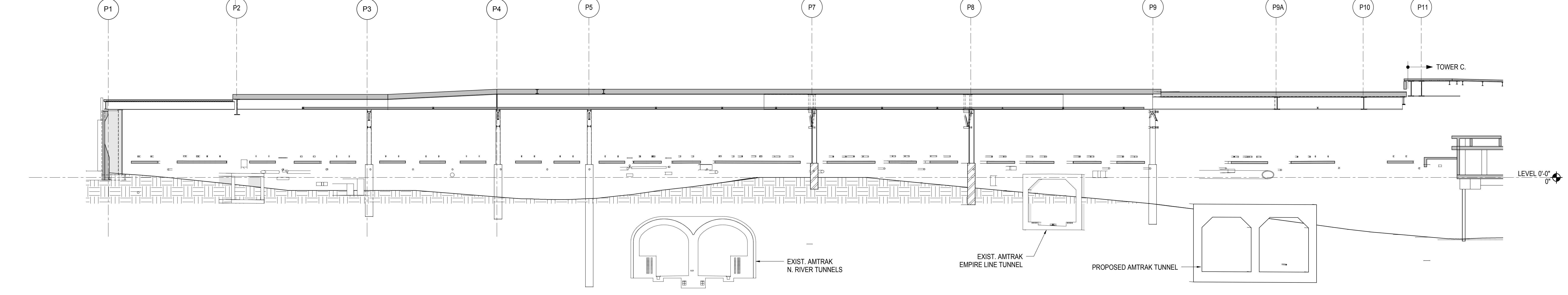
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

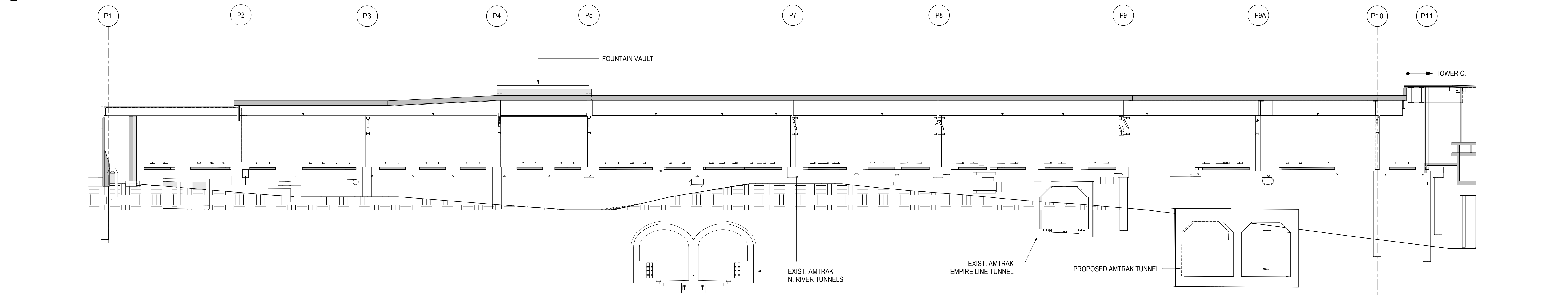
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



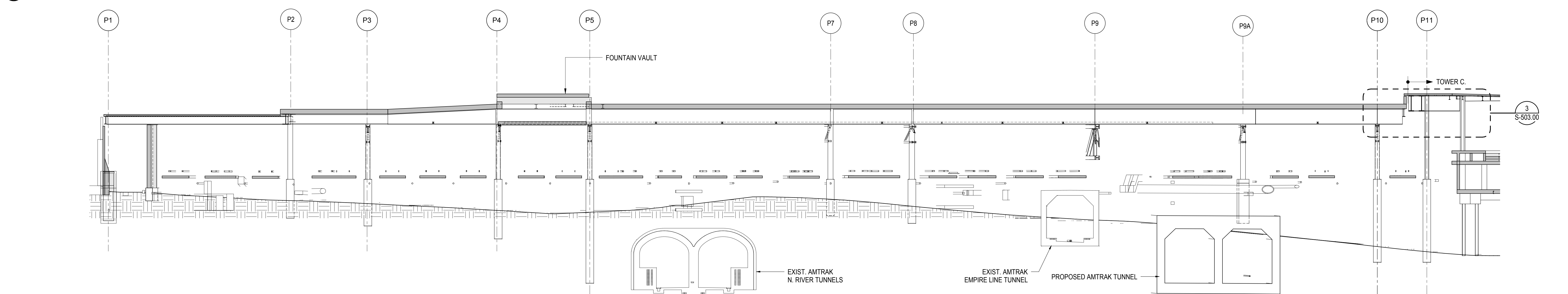
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1/16" = 1'-0"



2 ELEVATION GRID LINE PK
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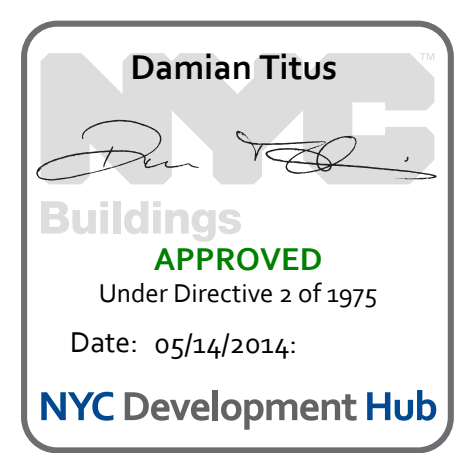


3 ELEVATION GRID LINE PL
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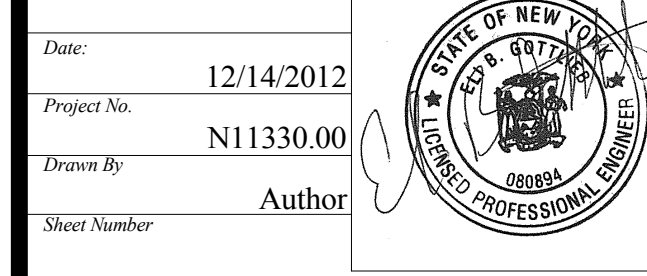


4 ELEVATION GRID LINE PM
1/16" = 1'-0"

NOTES: OPENINGS IN PLATE GIRDERS ARE OMITTED FOR CLARITY. REFER TO S5-11.00 FOR DETAILS



| | |
|------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC Description | Site |

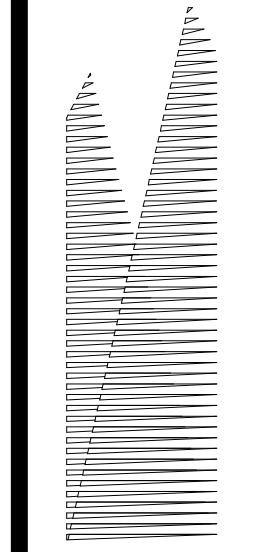


Date: 12/14/2012
Project No: N11330.00
Title: Author
Sheet Number: Author
HYE - PL - S-207.00

ELEVATIONS GRIDS PJ TO PM

Drawing Number / B/S/C/S Drawing Number
S-207.00

S-207.00
 11/22/2013 8:26:51 PM
 C:\Schematic\N11330.00 - East Platform - Central Column
 ELEVATIONS GRIDS PJ TO PM
 © 2012 KOHN PEDERSEN FOX ASSOCIATES PC. All rights reserved.



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

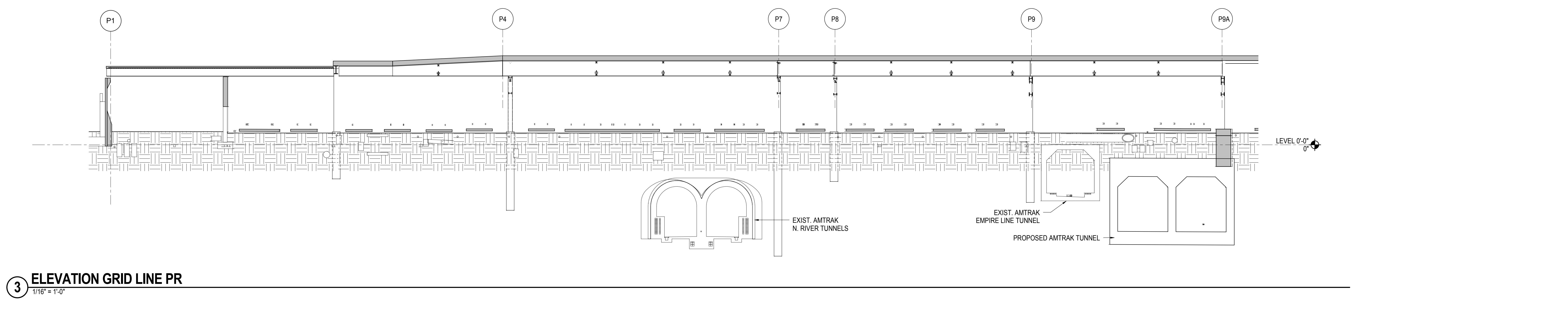
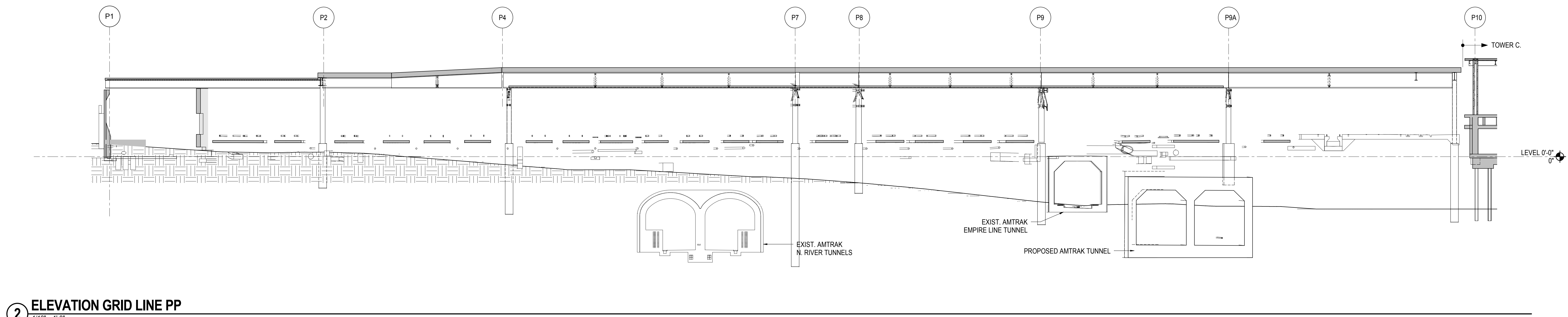
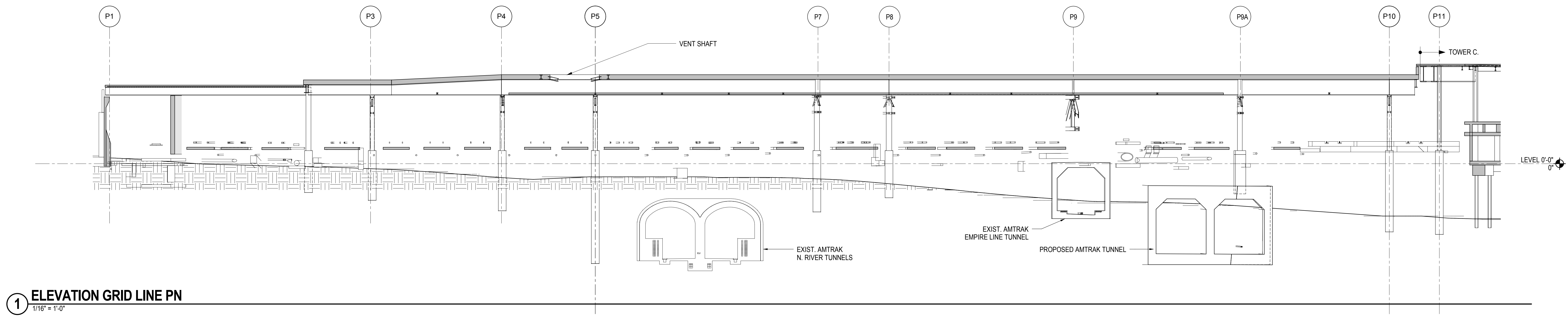
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
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Tel: 212.977.6500 Fax: 212.956.2526

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Fire Alarm, Fire Protection, Security
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LIRR Ventilation
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Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



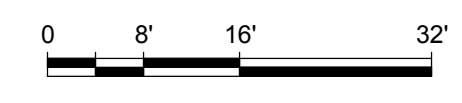
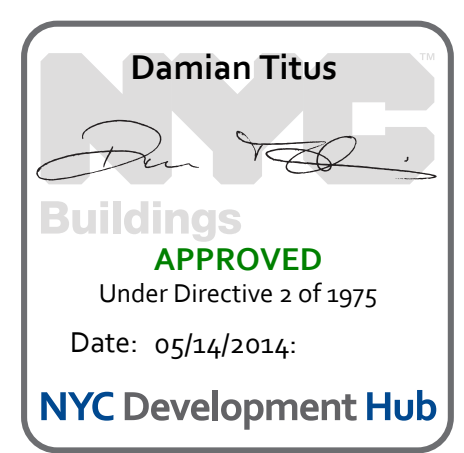
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| NYC DOB FILING | 100% | 12/4/2013 |
| LIRR - PRE-FINAL | 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | | 1/1/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| LIRR - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| LIRR - 60% SUBMISSION | | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | | 3/29/2013 |
| LIRR - 30% SUBMISSION | | 2/15/2013 |

File Name

Date: 12/14/2012
Project No: N11330.00
Drawn By: Author
Sheet Number:

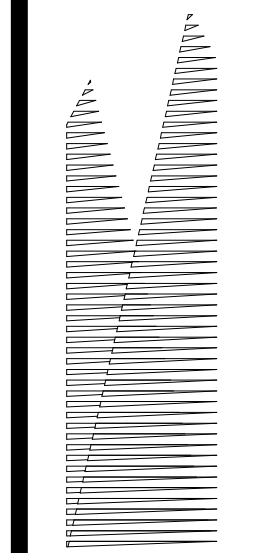
HYE - PL - S-208.00
Drawing Title
ELEVATIONS GRIDS PN TO PR

Drawing Number / BSC/AS Drawing Number
S-208.00
SHEET 45 OF 201



NOTES: OPENINGS IN PLATE GIRDERS ARE OMITTED FOR CLARITY. REFER TO S5-11.00 FOR DETAILS

ELEVATIONS GRIDS PN TO PR
 11/22/2013 8:18:10 PM
 C:\Schemata\N11330.00 - East Platform - Central_Corridor



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
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New York, NY 10017
Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

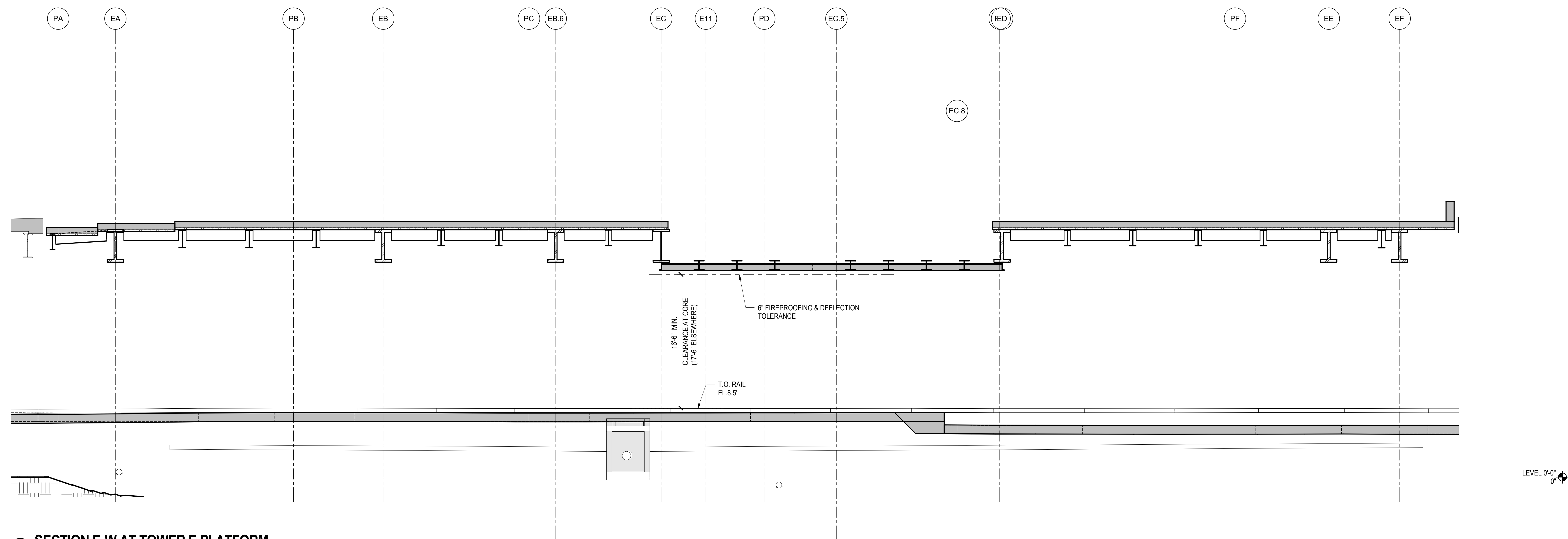
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

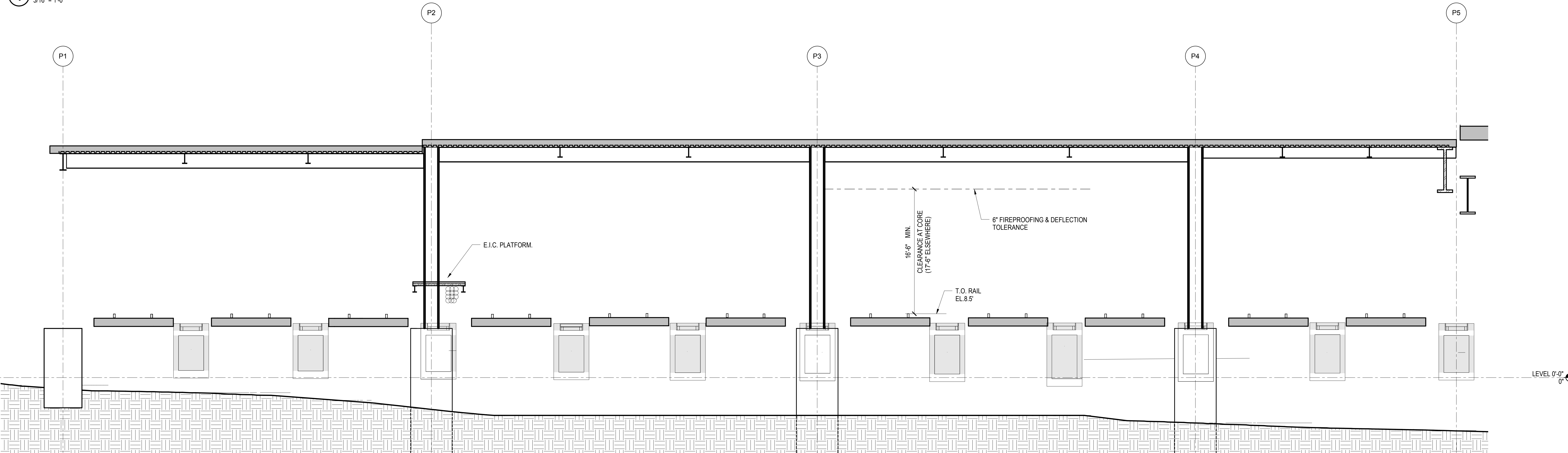
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

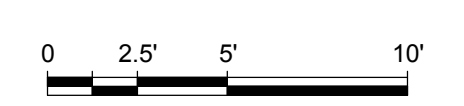
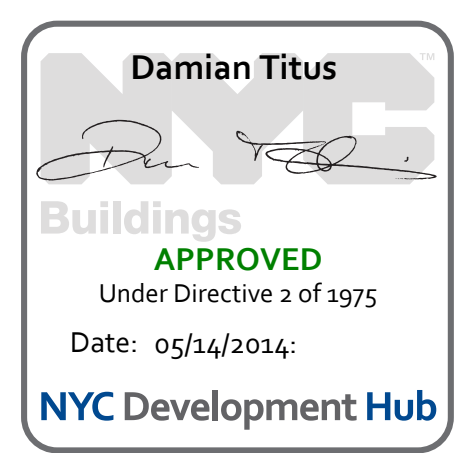
Rev. Plan



1 SECTION E-W AT TOWER E PLATFORM
3/16" = 1'-0"



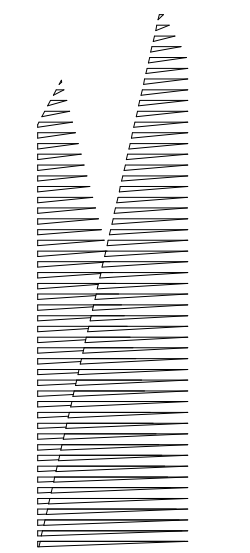
2 SECTION E-W AT TOWER E PLATFORM
3/16" = 1'-0"



Date: 12/14/2012
Project No: N11330.00
Author: Author

HYE - PL - S-240.00
Drawing Title
TOWER E PLATFORM SECTIONS AND ELEVATIONS

Drawing Number / BSC/AS Drawing Number
S-240.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

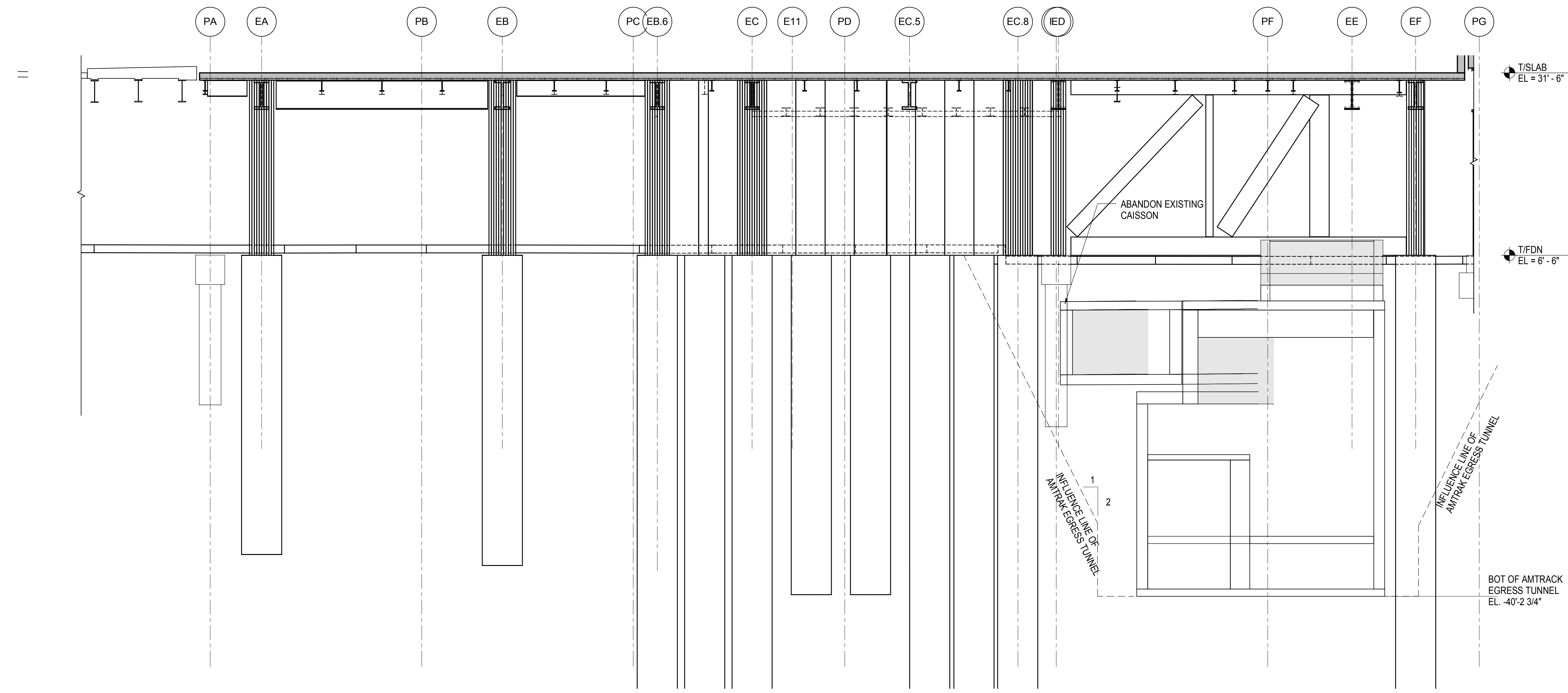
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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Tel: 917.661.7800 Fax: 718.661.7801

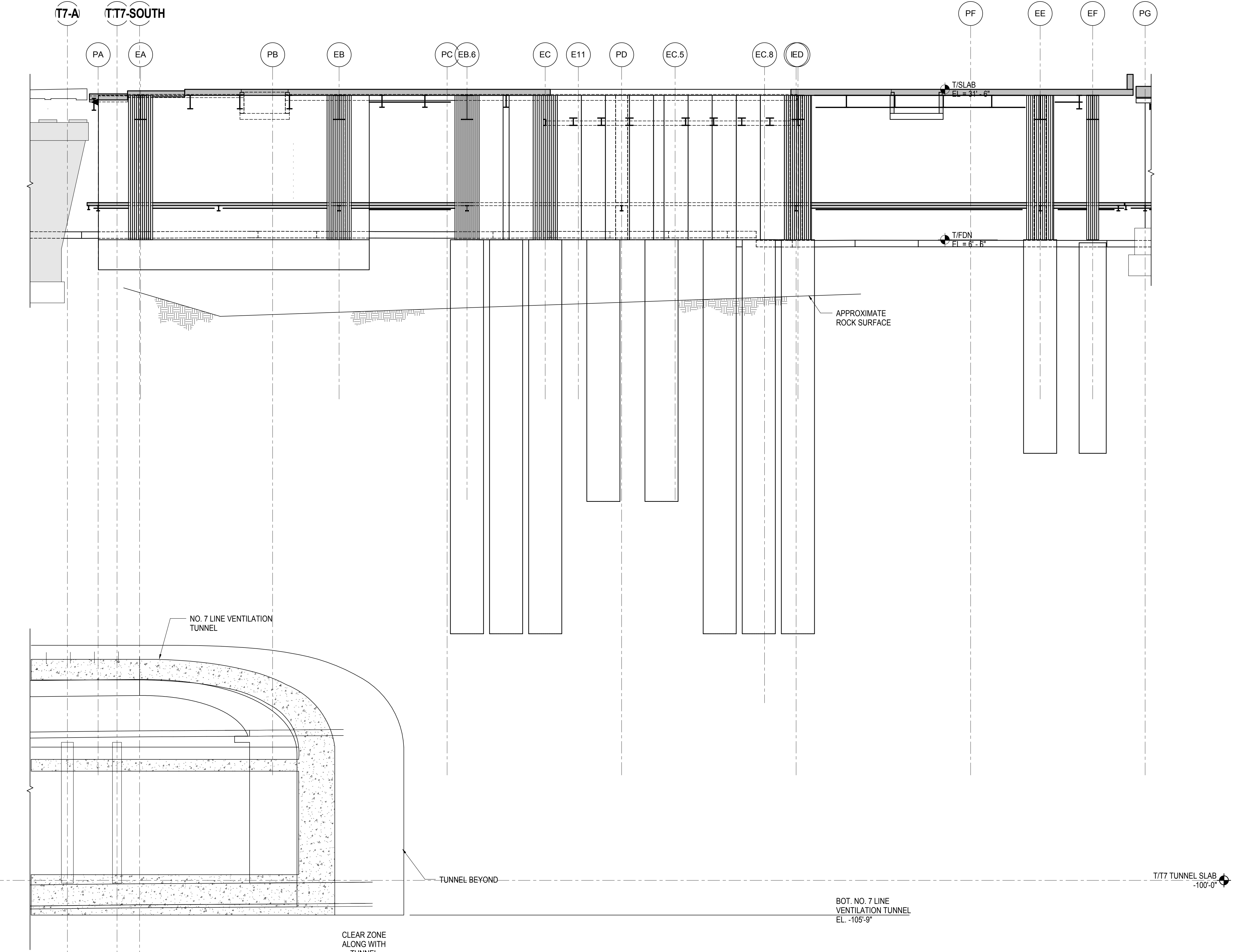
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
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Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
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Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
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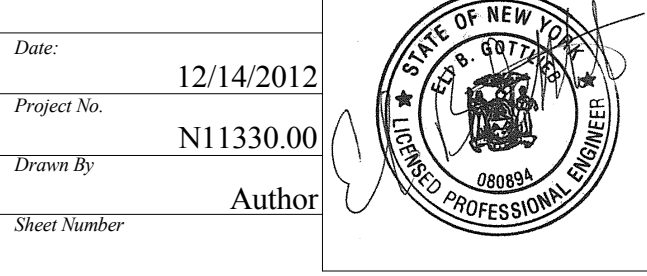
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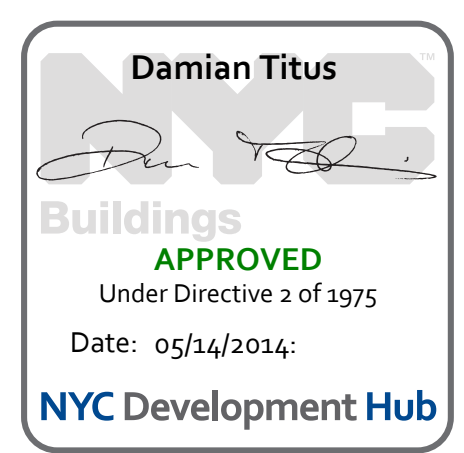
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1/8" = 1'-0"

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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ DLOZ PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLOZ PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

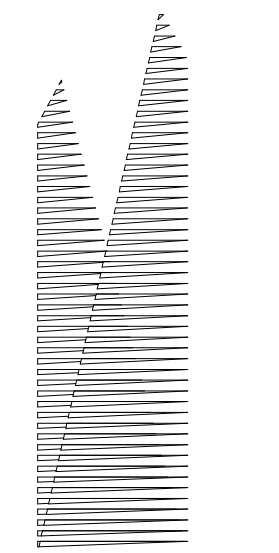


Date: 12/14/2012
Project No: N11330.00
Title: Author
HYE - PL - S-241.00
Drawing Title:
TOWER E FOUNDATION SECTIONS



Drawing Number / B/S/C/S Drawing Number
S-241.00





Client
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60 Columbus Circle
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Architect
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PC Architects & Planning Consultants
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

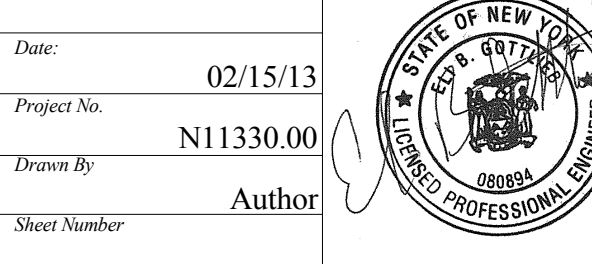
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

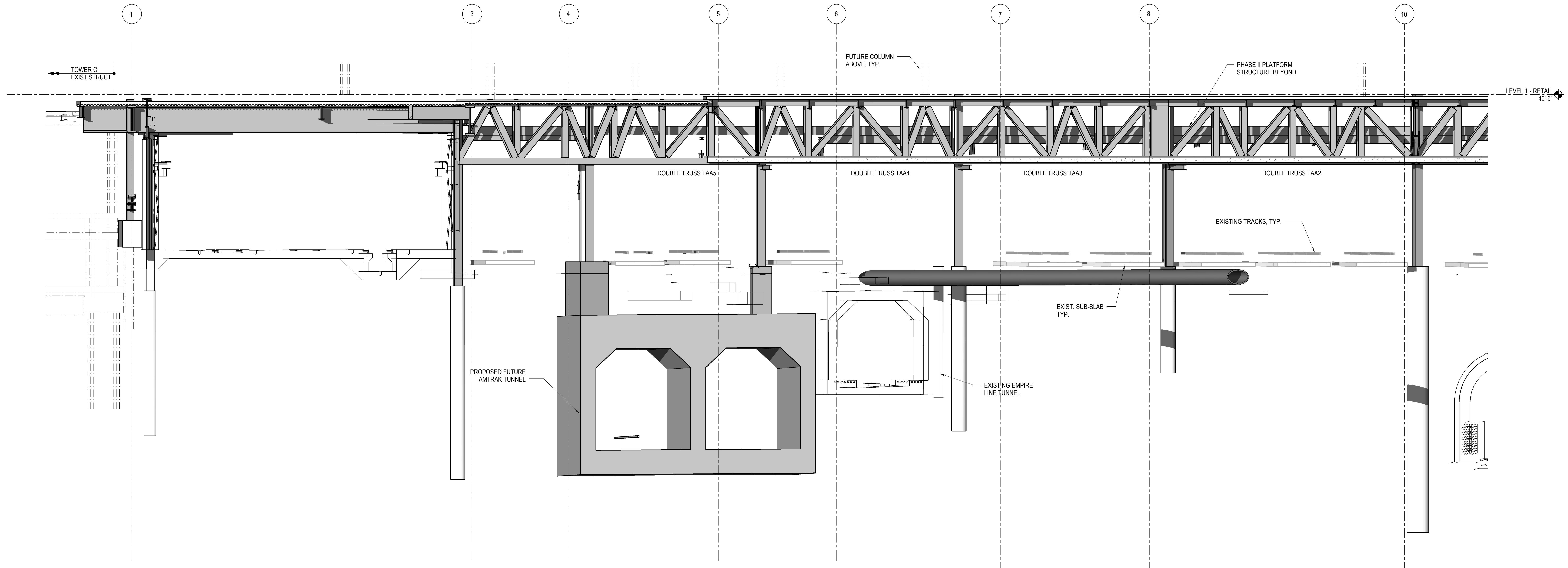
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

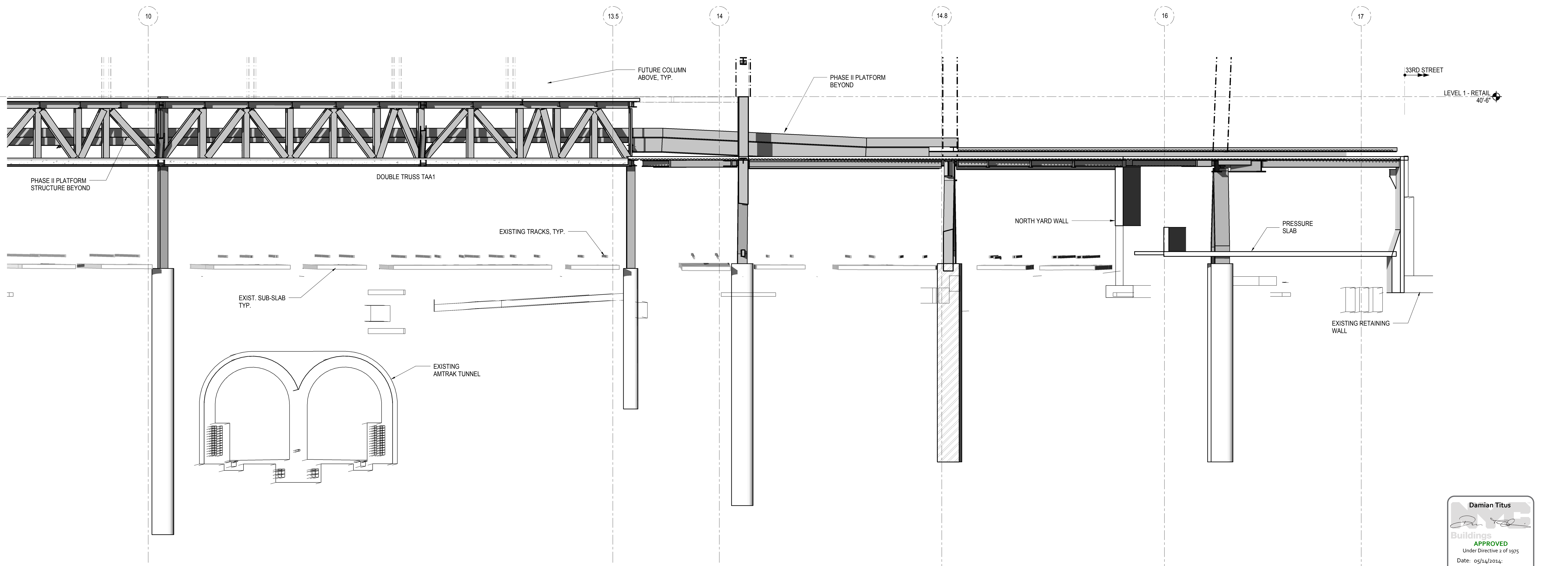


HYE - PL - S-250.00
ELEVATION AT GRID LINE A-A

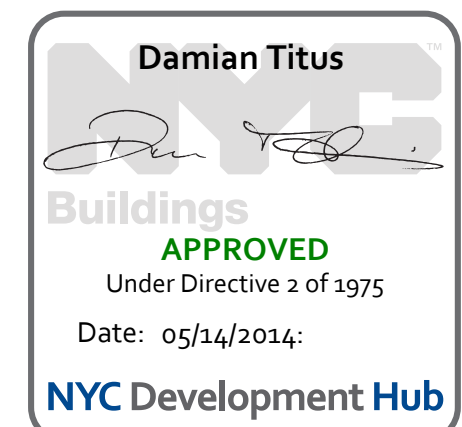
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S-250.00

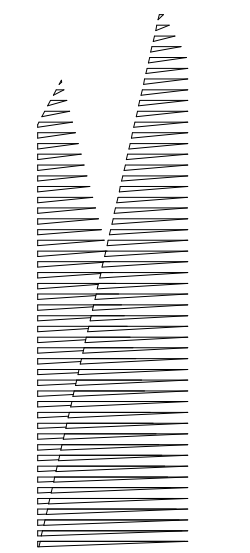


1 ELEVATION AT GRID LINE A-A
1/8" = 1'-0"



2 ELEVATION AT GRID LINE A-A
1/8" = 1'-0"





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

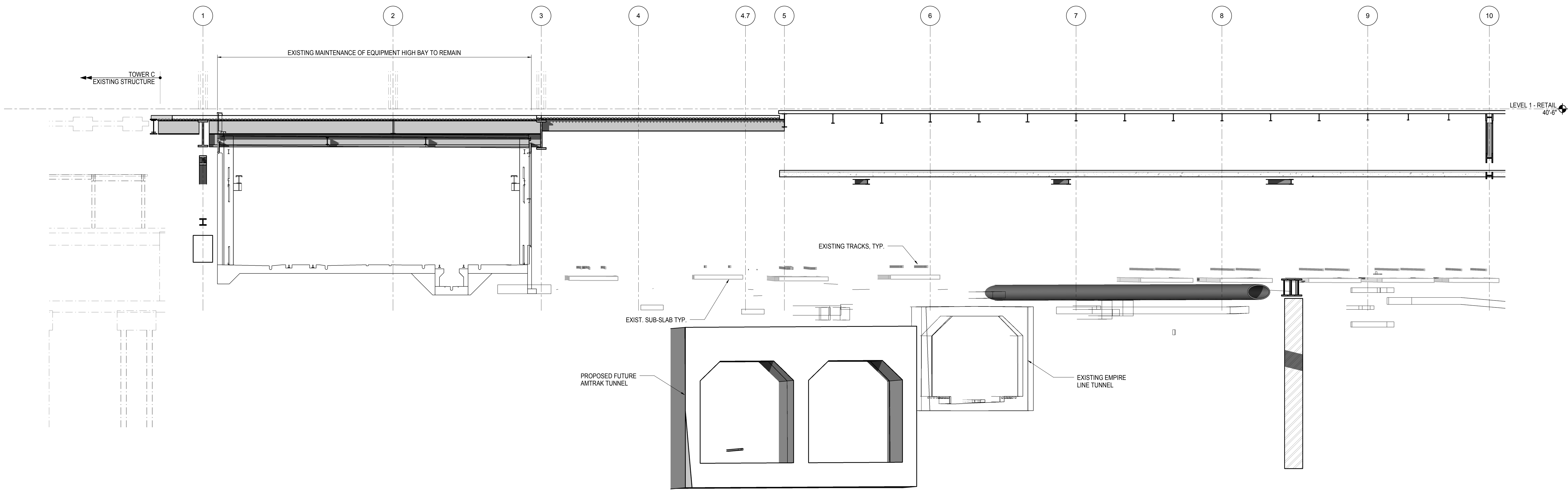
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

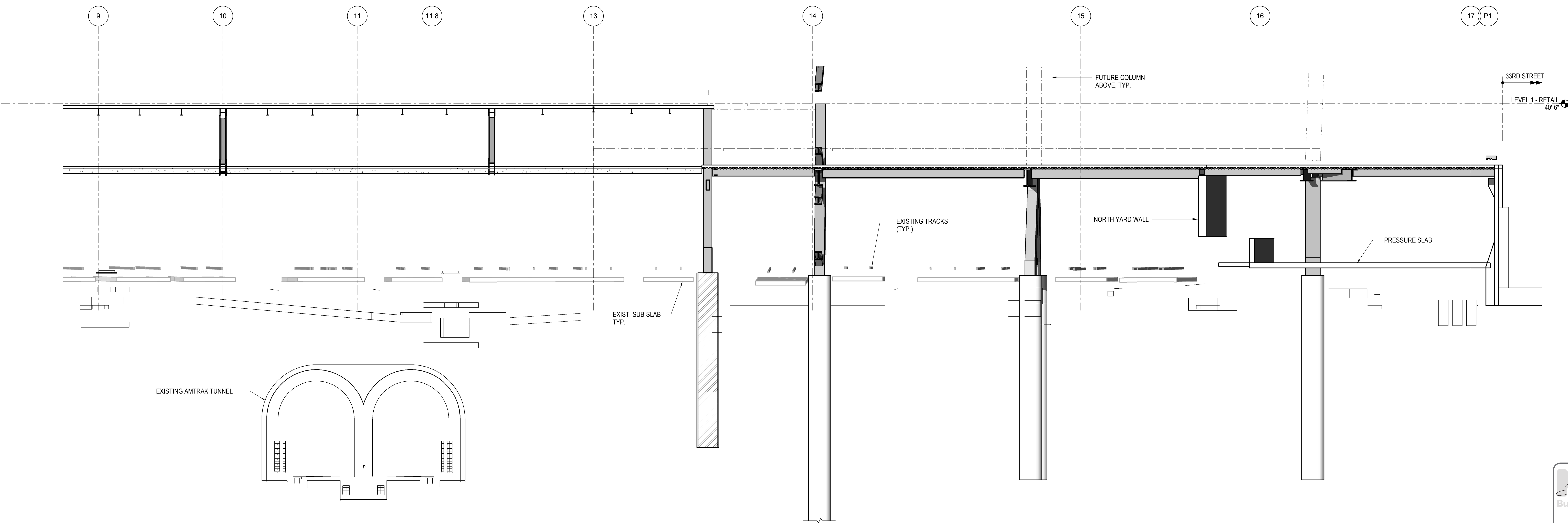
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

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605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



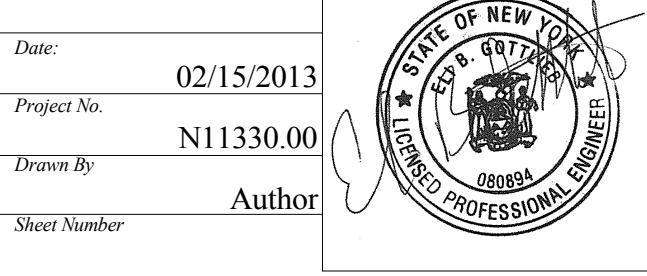
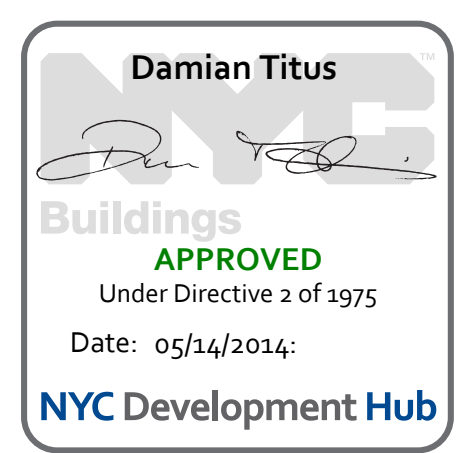
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2 ELEVATION AT GRID LINE A
1/8" = 1'-0"

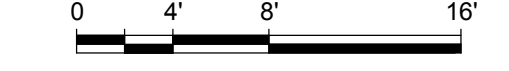
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - D/E/O PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - D/E/O PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

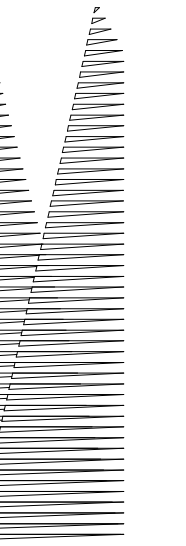
Rev Plot



Date: 02/15/2013
Project No: N11330.00
Title: Author
Sheet Number: Author
HYE - PL - S-251.00
Drawing Title:
ELEVATION AT GRID LINE A

Drawing Number / B/S/C/S Drawing Number
S-251.00
SHEET 49 OF 201





Client
Related Companies
60 Columbus Circle
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New York, NY 10017
Tel: 212.708.3600

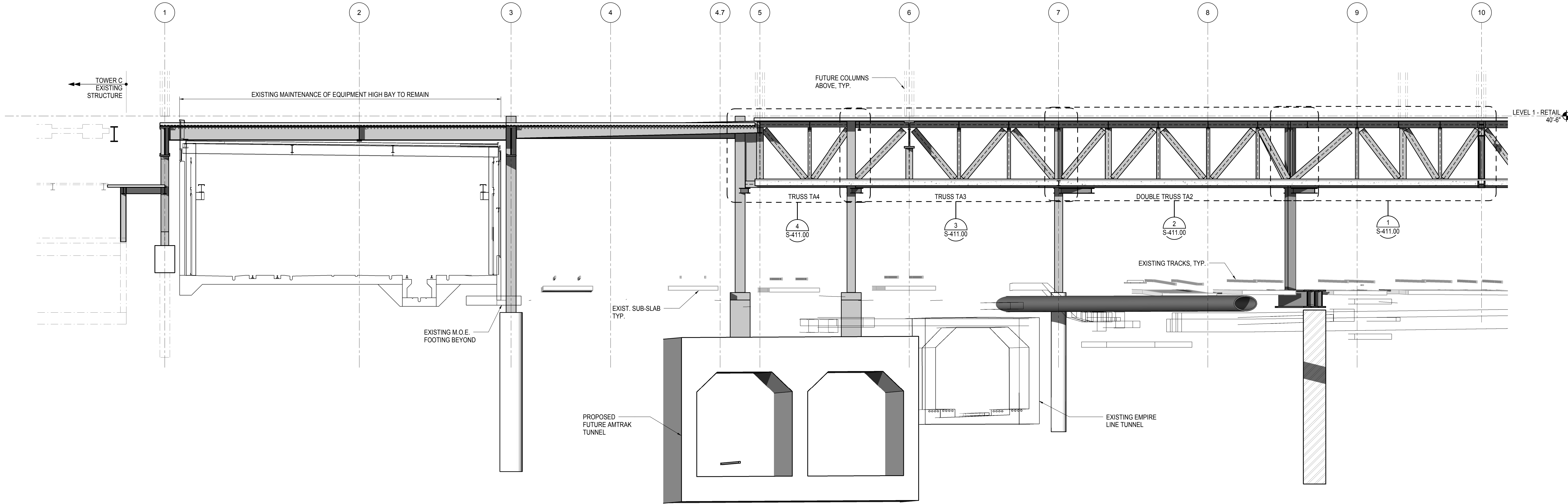
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

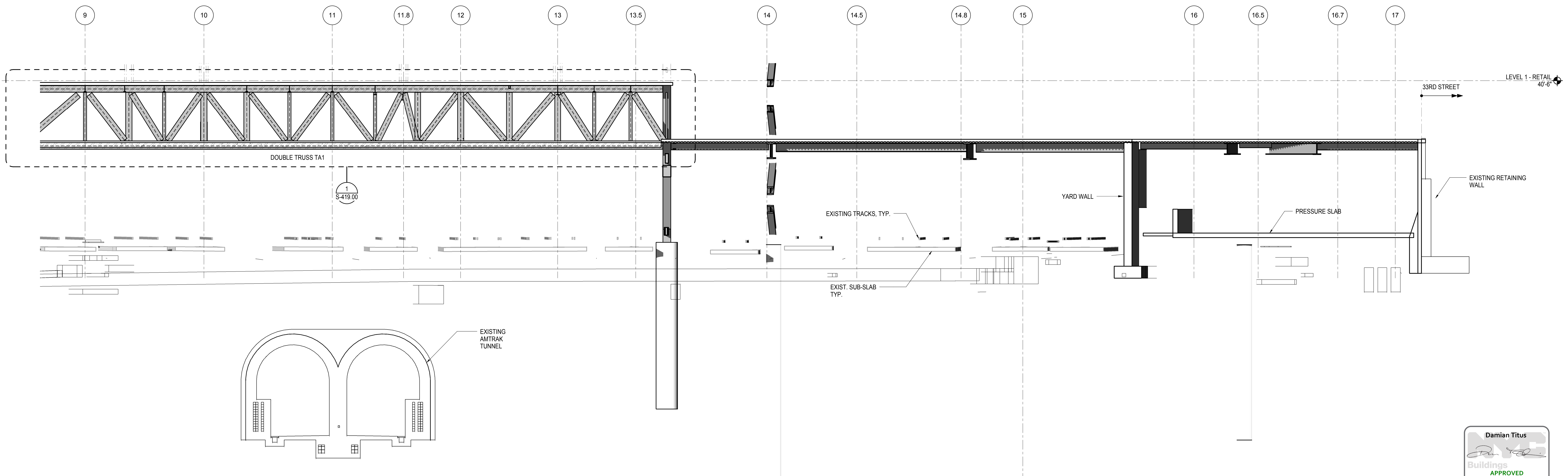
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE A.5
1/8" = 1'-0"



2 ELEVATION AT GRIDLINE A.5
1/8" = 1'-0"

| | |
|----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ DLO2 PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLO1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

Date: 02/15/13

Project No: N11330.00

Author

Issue Number

HYE - PL - S-252.00

ELEVATION AT GRID

LINE A.5

Drawing Title

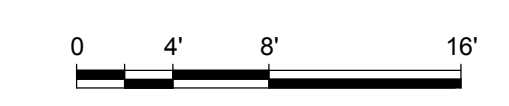
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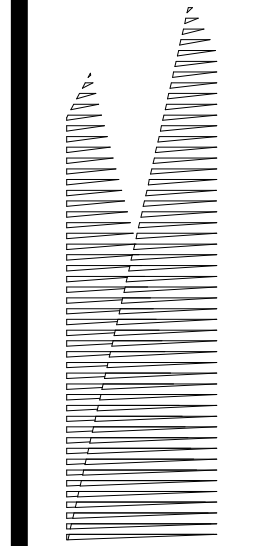
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S-252.00

SHEET 50 OF 201

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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

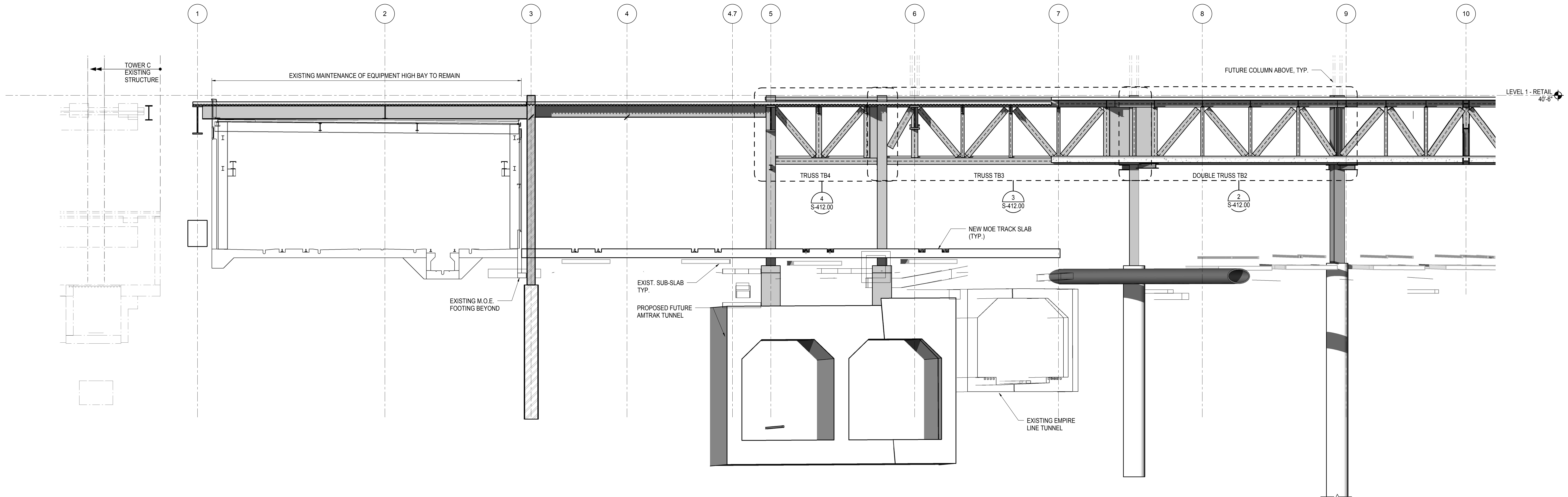
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

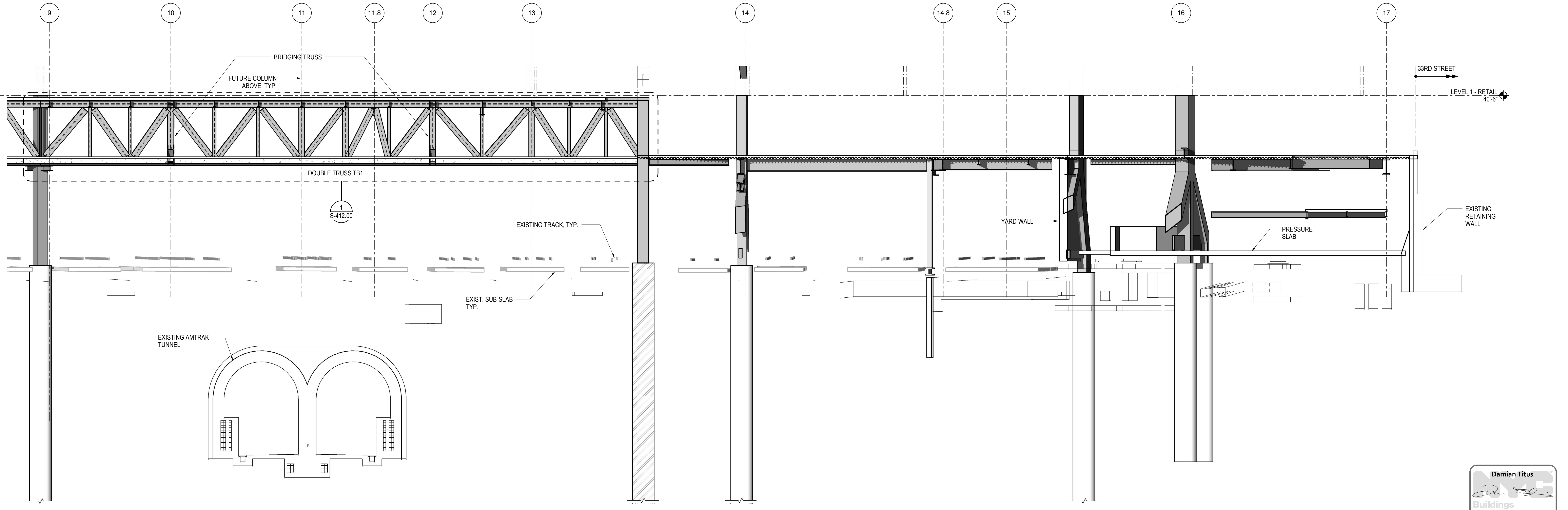
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



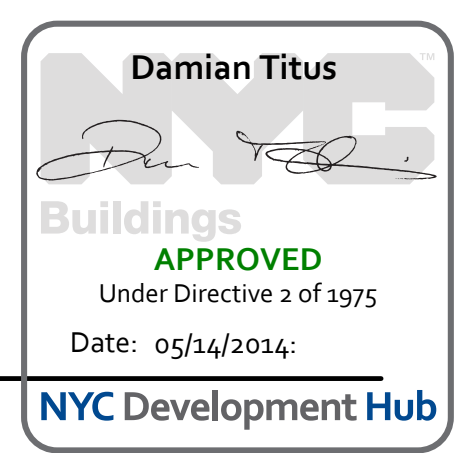
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE B
1/8" = 1'-0"

| | |
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| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
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| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Description

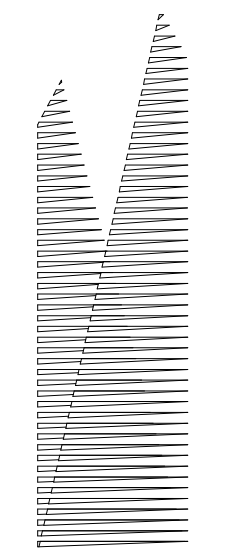


Date: 02/15/13
Project No: N11330.00
Drawn By: Author
Issue Number:

HYE - PL - S-253.00
ELEVATION AT GRID LINE B

Drawing Number / BSC/AS Drawing Number
S-253.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

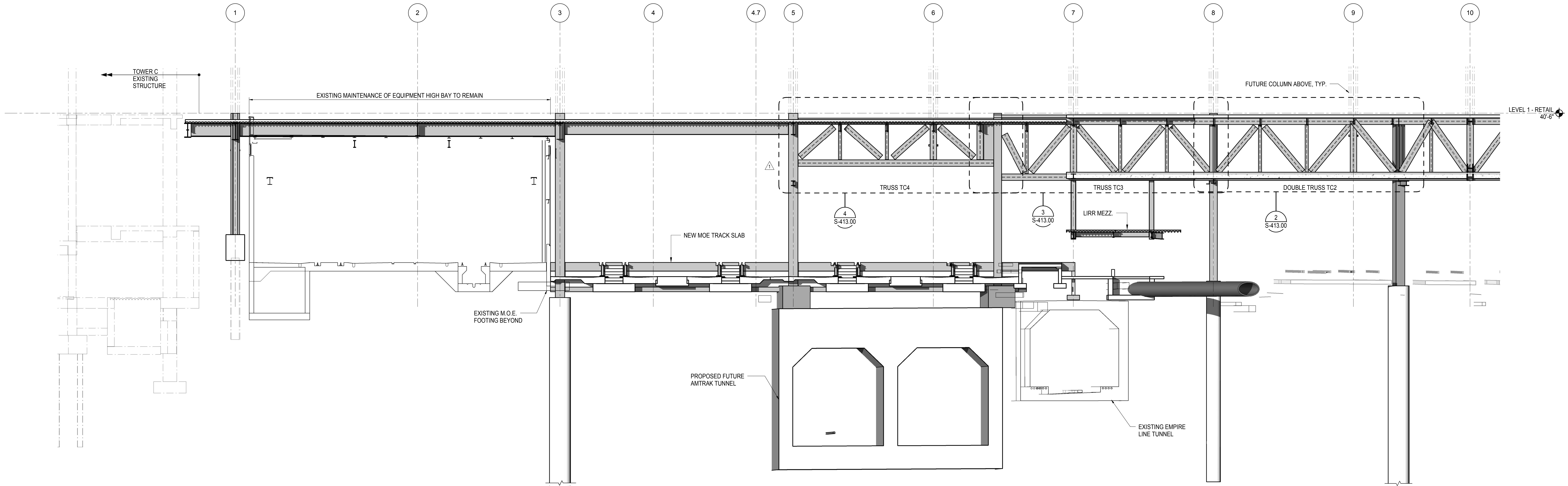
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

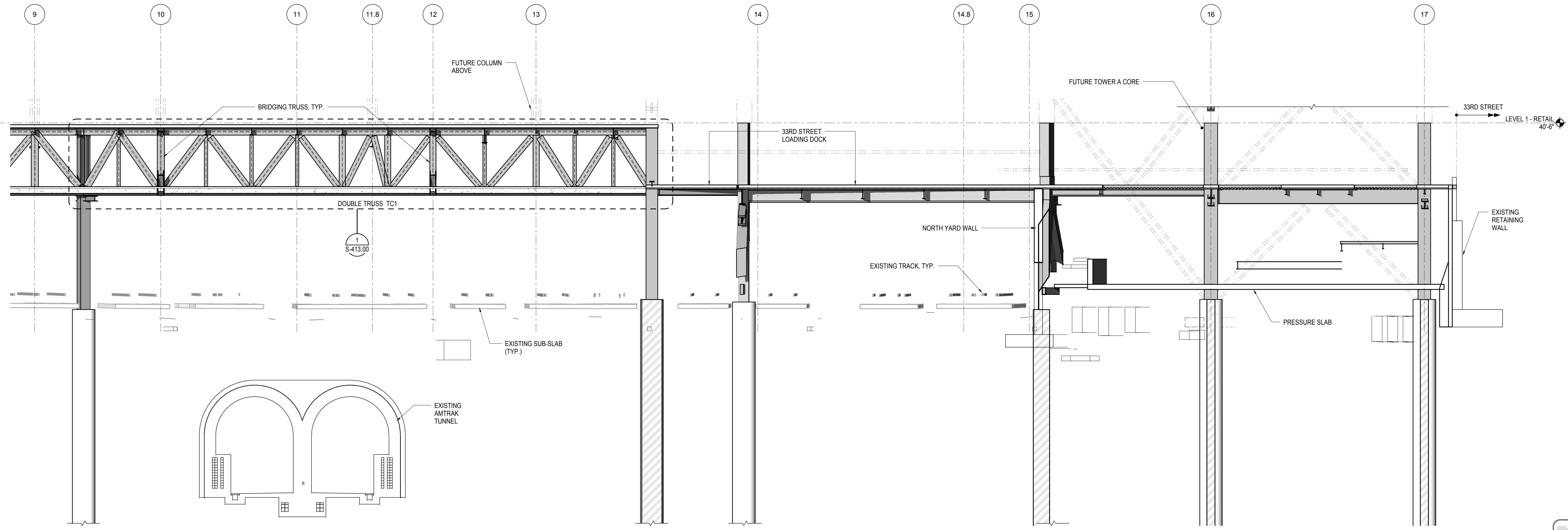
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE C
1/8" = 1'-0"

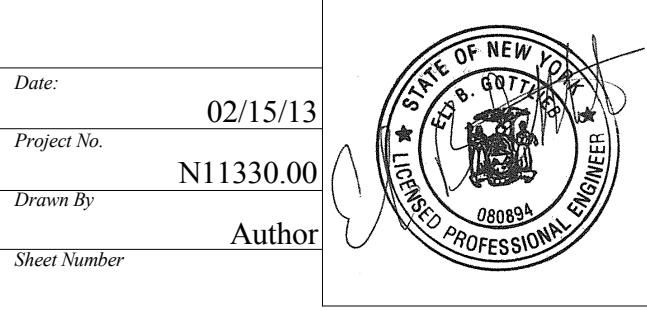


2 ELEVATION AT GRID LINE C
1/8" = 1'-0"

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|------------------------------------|-------------|
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| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DLQ2 PHASE 1 STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DLQ1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

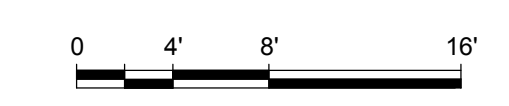


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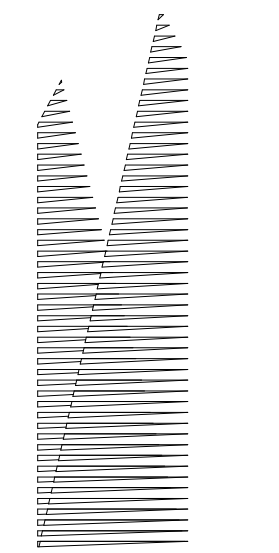
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Drawing Number / B/S/C/S Drawing Number
S-254.00

SHEET 52 OF 201



ELEVATION AT GRID LINE C
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

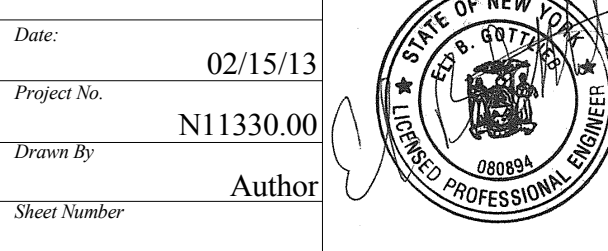
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ DLO2 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLO1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC Description | DOB |

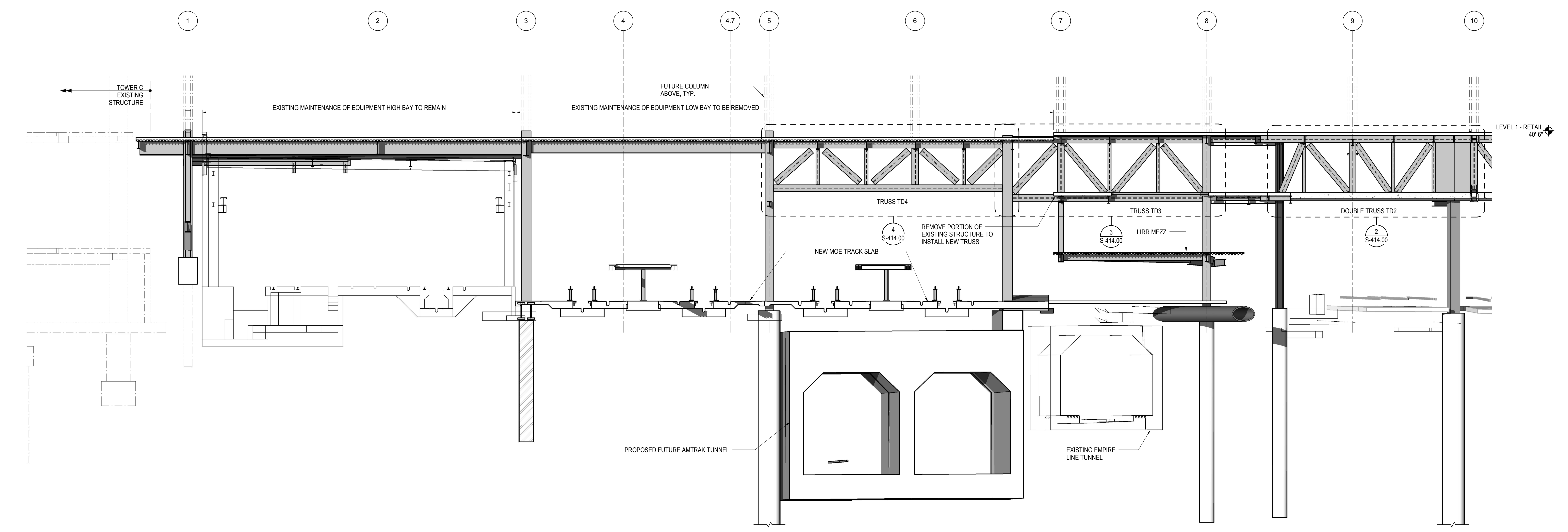
Rev. Plan



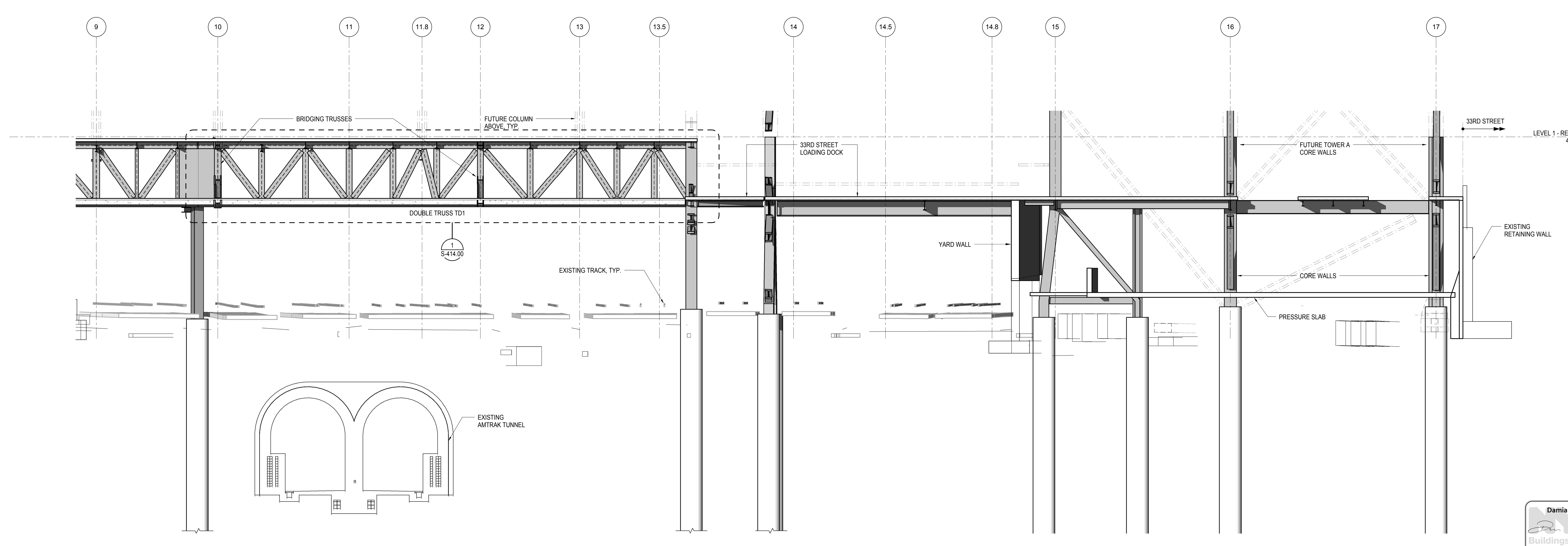
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ELEVATIONS AT GRID LINE D

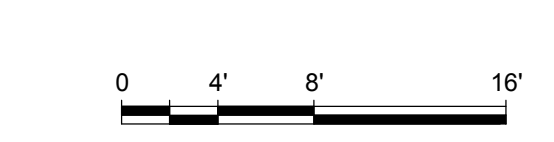
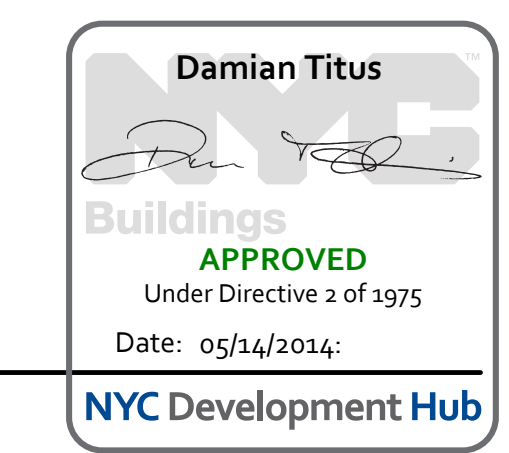
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S-255.00



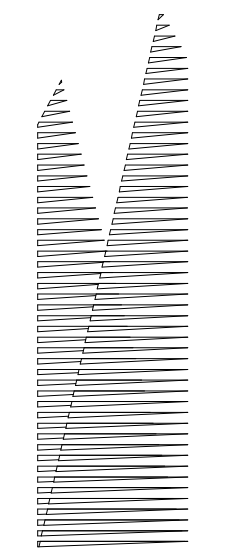
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE D
1/8" = 1'-0"



S-255.00
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

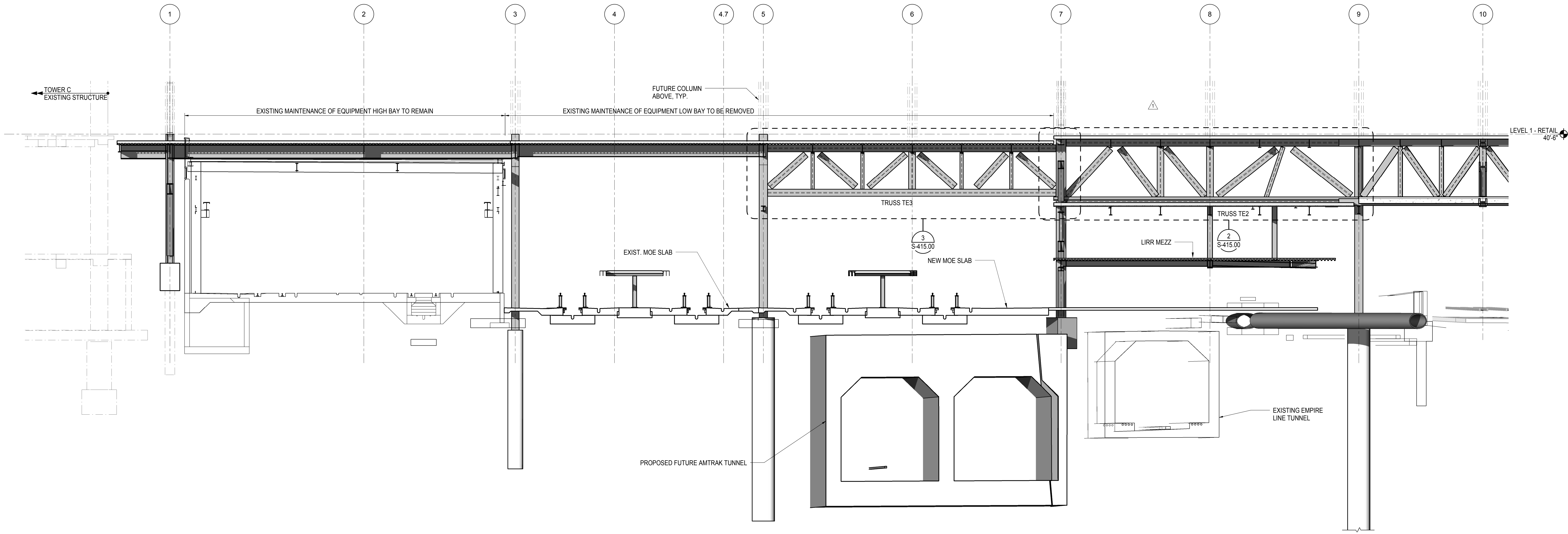
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

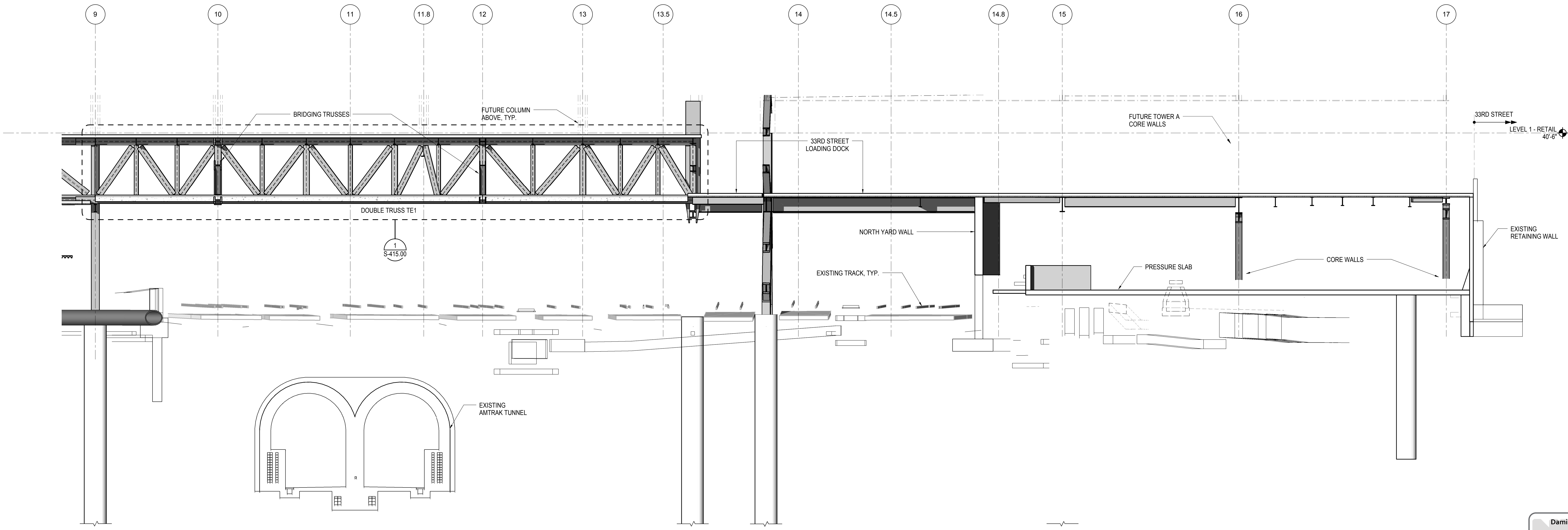
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE E
1/8" = 1'-0"



2 ELEVATION AT GRID LINE E
1/8" = 1'-0"

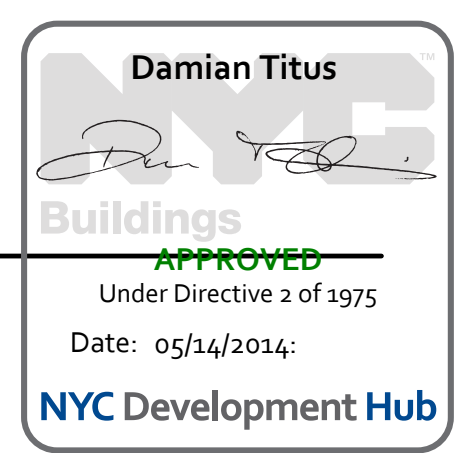
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| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ, DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ, DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

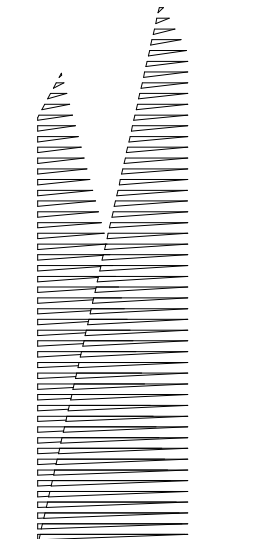
Rev. Description

| | |
|--------------|-----------|
| Date | 02/15/13 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Issue Number | |

HYE - PL - S-256.00
ELEVATION AT GRID LINE E

Drawing Number / B/S/C/S Drawing Number
S-256.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

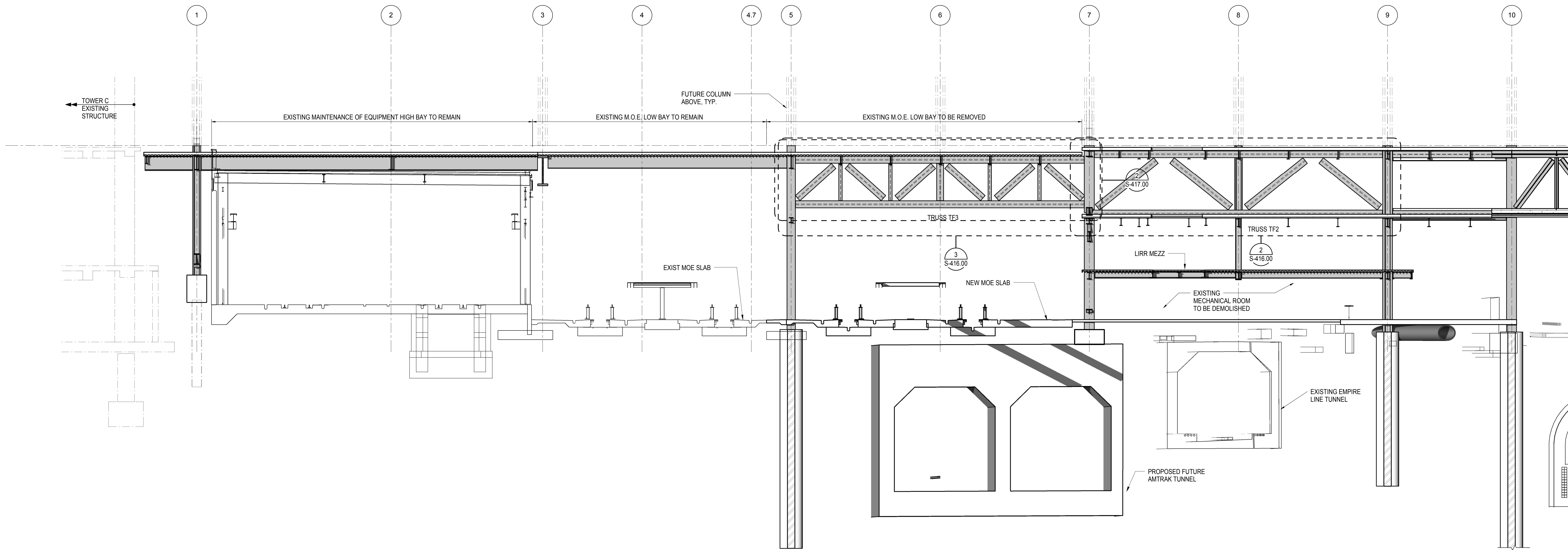
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

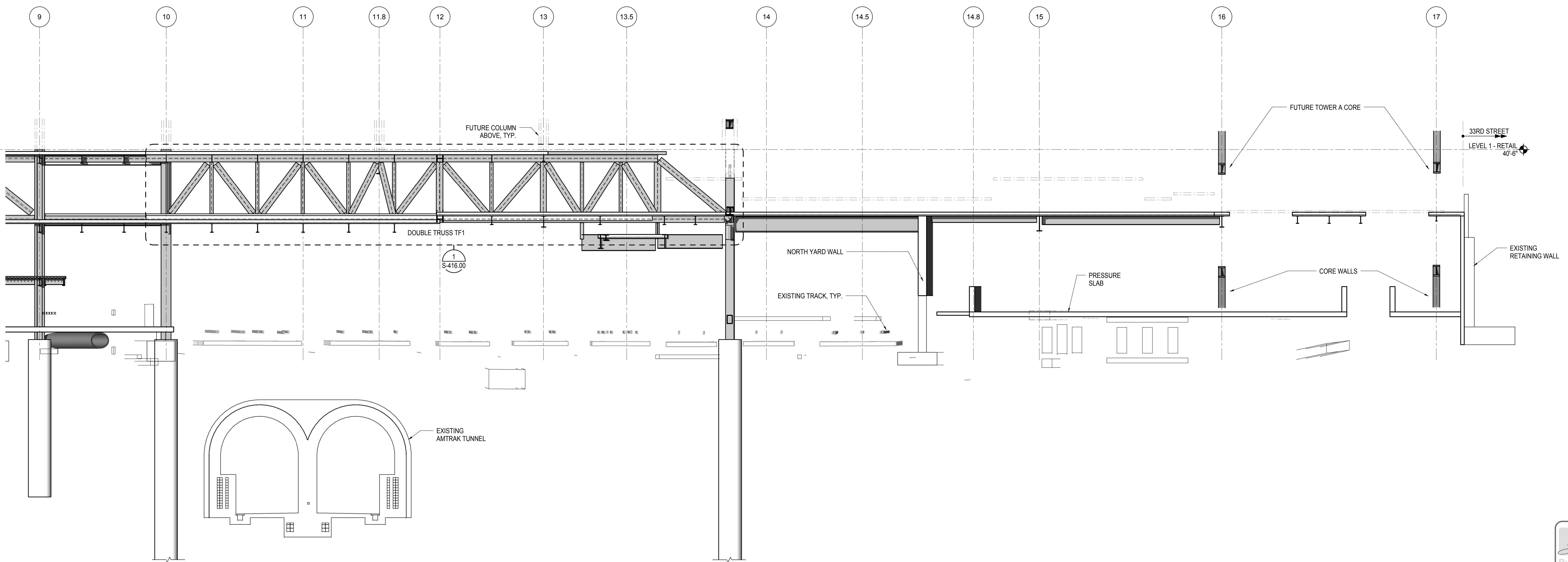
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



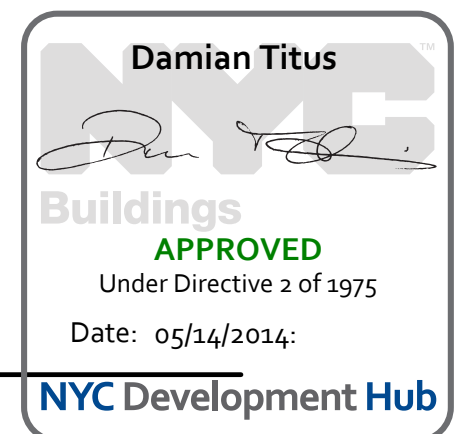
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE F
1/8" = 1'-0"

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| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&E PLATFORM SUBMISSION | |
| Δ DELO PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DELO PHASE I STRUCTURE UPDATE | 9/20/2013 |
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| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
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| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

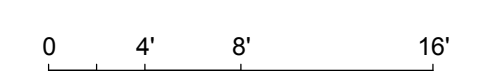
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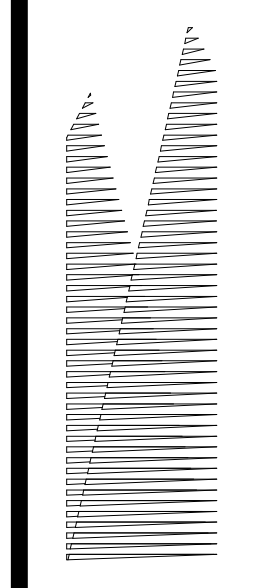


Date: 02/15/13
Project No: N11330.00
Title: Author
Sheet Number: Author

HYE - PL - S-257.00
ELEVATION AT GRID LINE F

Drawing Number / B/S/C/D Drawing Number
S-257.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

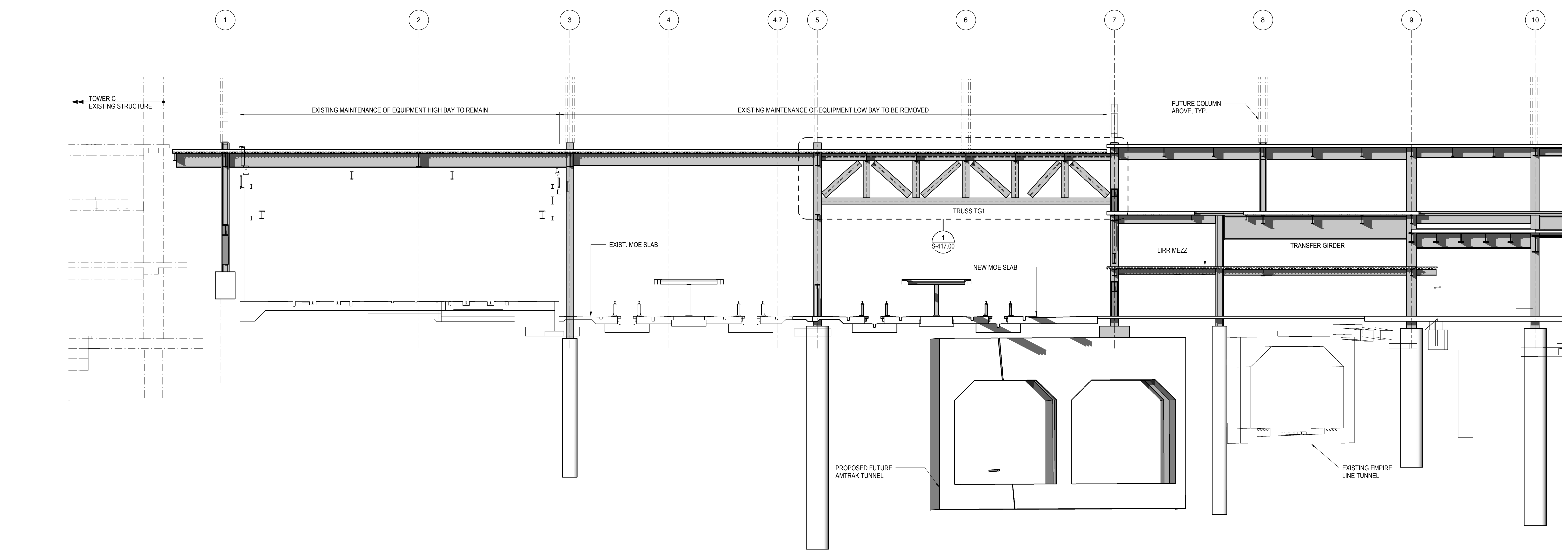
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

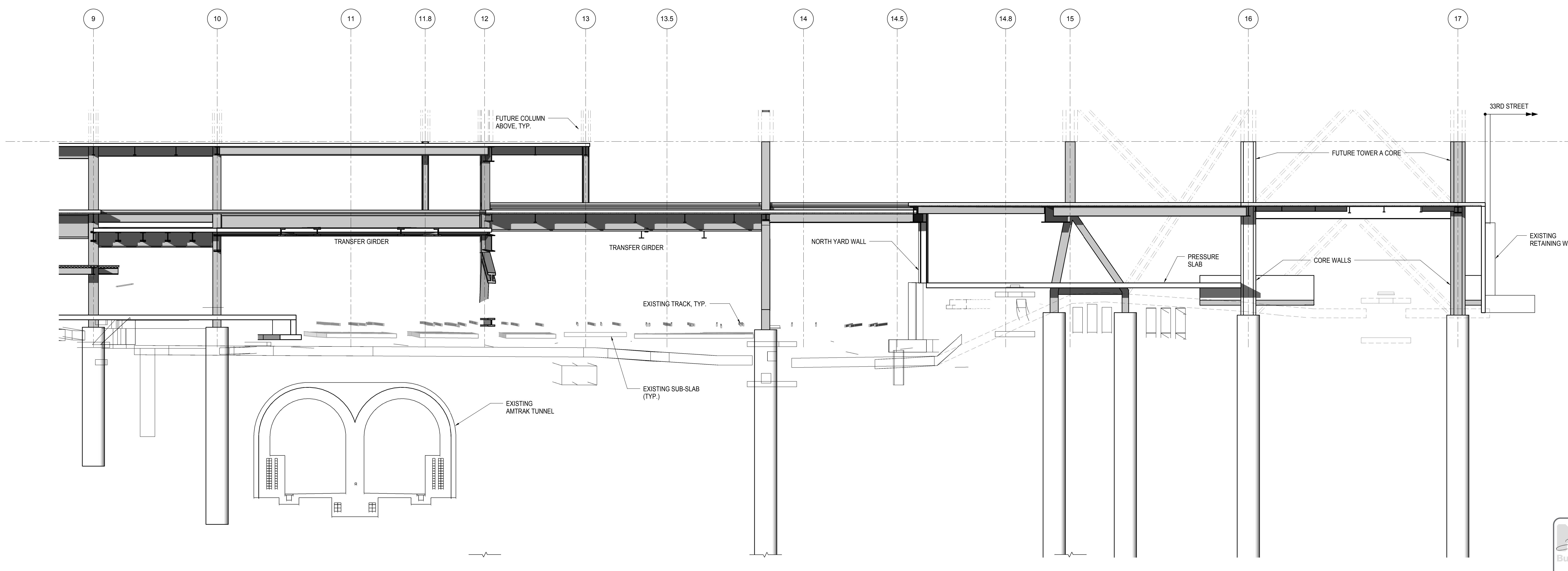
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE G
1/8" = 1'-0"



2 ELEVATION AT GRID LINE G
1/8" = 1'-0"

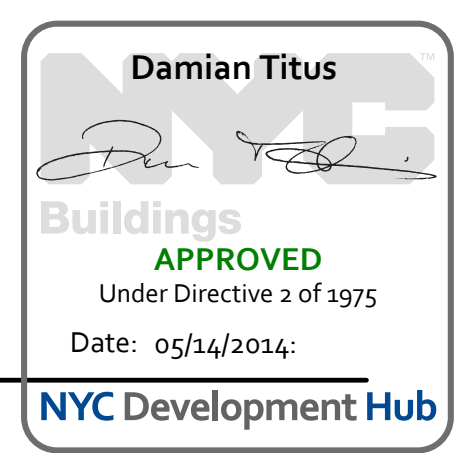
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| M&J - PLATFORM SUBMISSION | | |
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| NYC DOB FILING | | 10/4/2013 |
| Δ D141 PHASE 1 STRUCTURE UPDATE | | 9/20/2013 |
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| NYC DOB FILING | | 6/17/2013 |
| LIRR - 60% SUBMISSION | | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | | 3/29/2013 |
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| NYC DOB FILING | | 2/15/2013 |

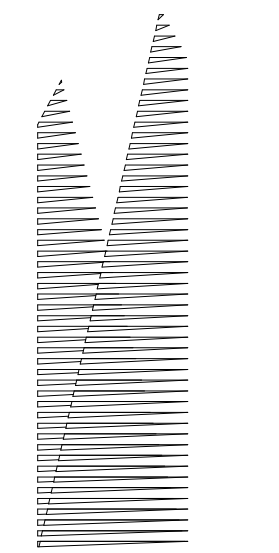
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| M&J - PLATFORM SUBMISSION | | |
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| NYC DOB FILING | | 10/4/2013 |
| Δ D141 PHASE 1 STRUCTURE UPDATE | | 9/20/2013 |
| LIRR - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| LIRR - 60% SUBMISSION | | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | | 3/29/2013 |
| LIRR - 30% SUBMISSION | | 2/15/2013 |
| NYC DOB FILING | | 2/15/2013 |

Date: 02/15/13
Project No: N11330.00
Author: Author

HYE - PL - S-258.00
ELEVATION AT GRID LINE G

Drawing Number / BSC/AS Drawing Number
S-258.00
SHEET 56 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

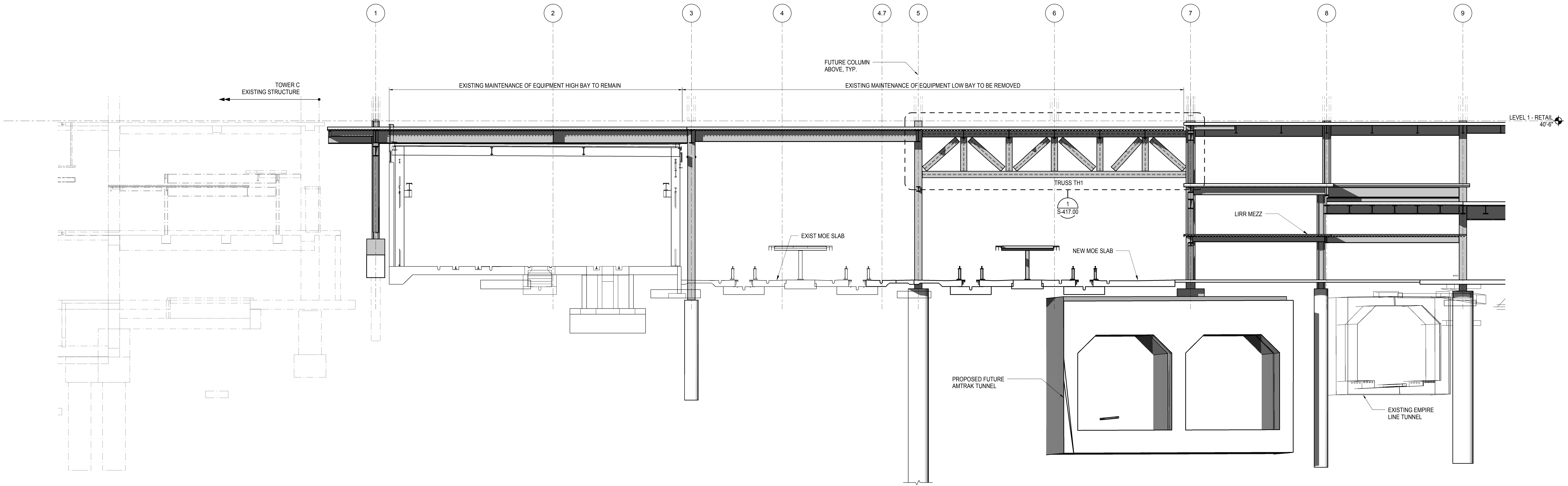
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

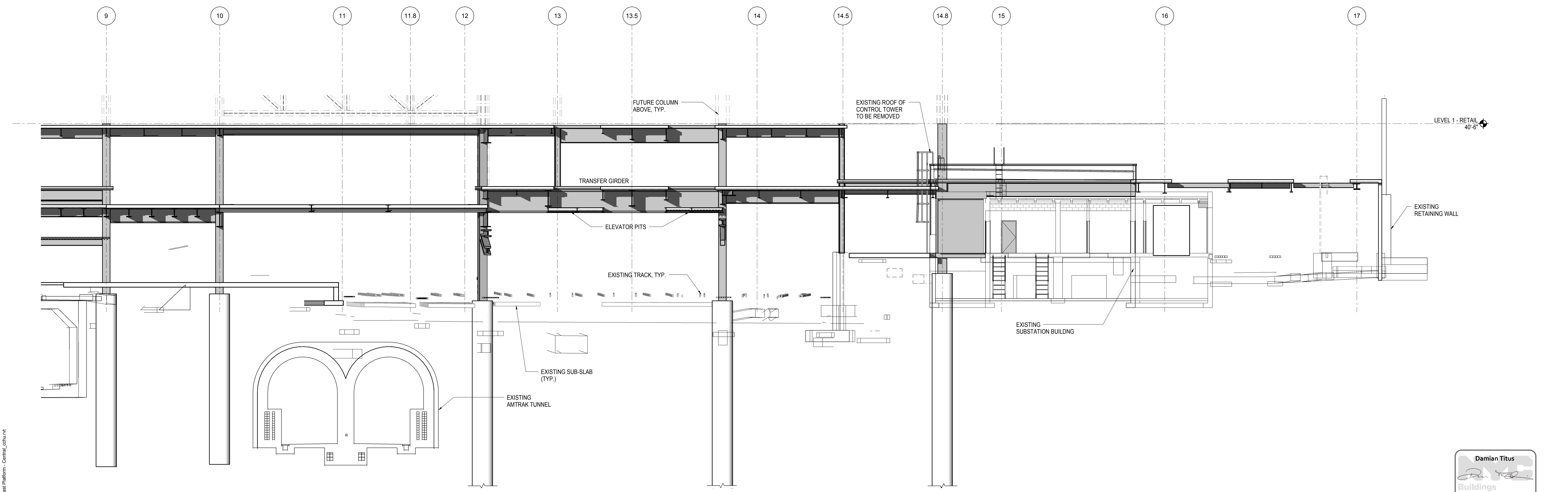
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE H
1/8" = 1'-0"



2 ELEVATION AT GRID LINE H
1/8" = 1'-0"

| | |
|---------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&E PLATFORM SUBMISSION | |
| Δ DEQ PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DEQ PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

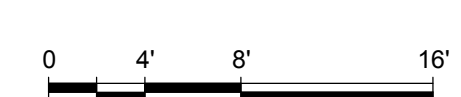
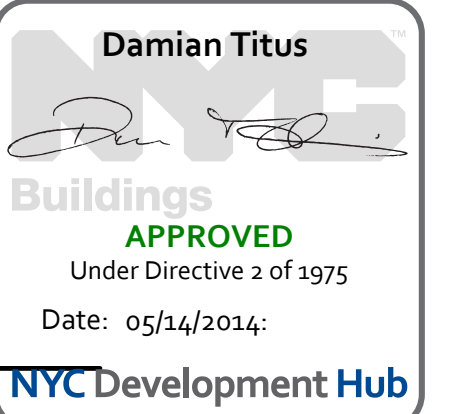
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Project No: N11330.00
Author: [Signature]

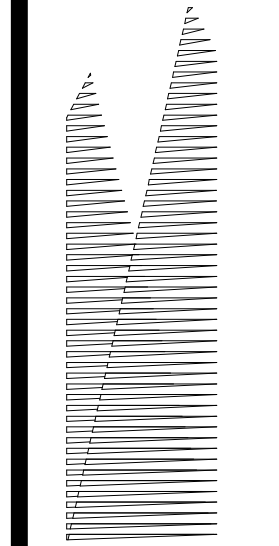
HYE - PL - S-259.00

ELEVATION AT GRID LINE H

Drawing Number / B/S/C/S Drawing Number
S-259.00

SHEET 57 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

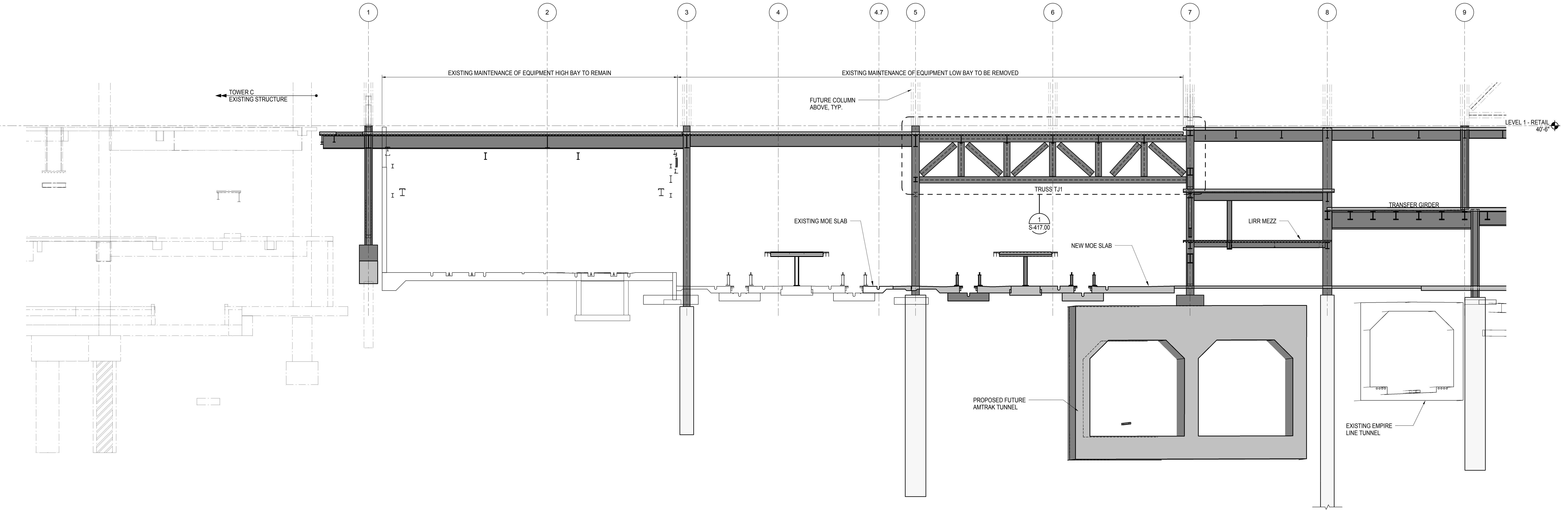
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

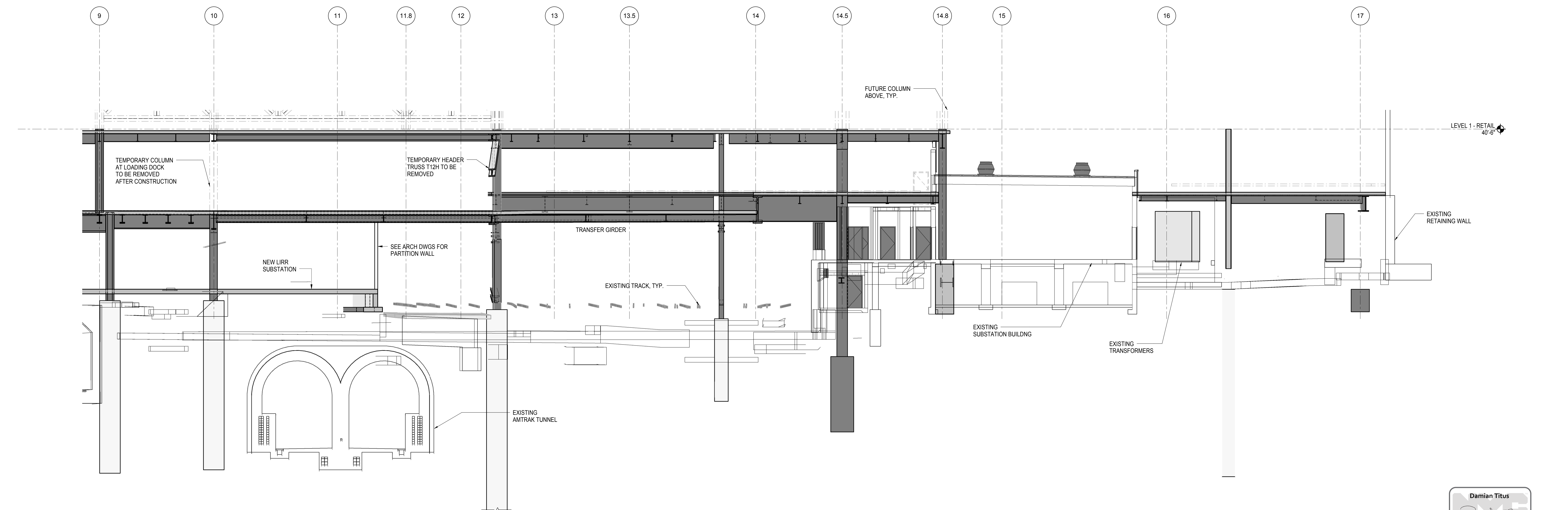
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



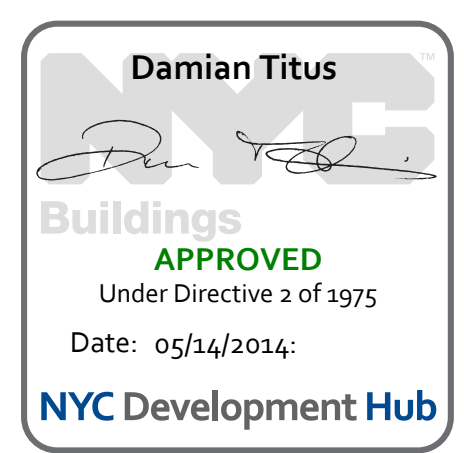
1 ELEVATION AT GRID LINE J
1/8" = 1'-0"



2 ELEVATION AT GRID LINE J
1/8" = 1'-0"

| | |
|----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ D142 PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D140 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Description



Date: 02/15/13
Project No: N11330.00
Author: Author
Issue Number: Author

HYE - PL - S-260.00

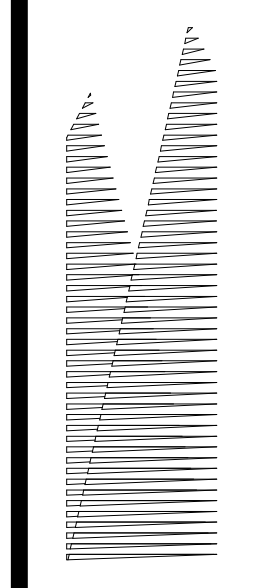
ELEVATION AT GRID LINE J

Drawing Number / B/S/C/S Drawing Number
S-260.00

SHEET 58 OF 201

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S-260.00
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

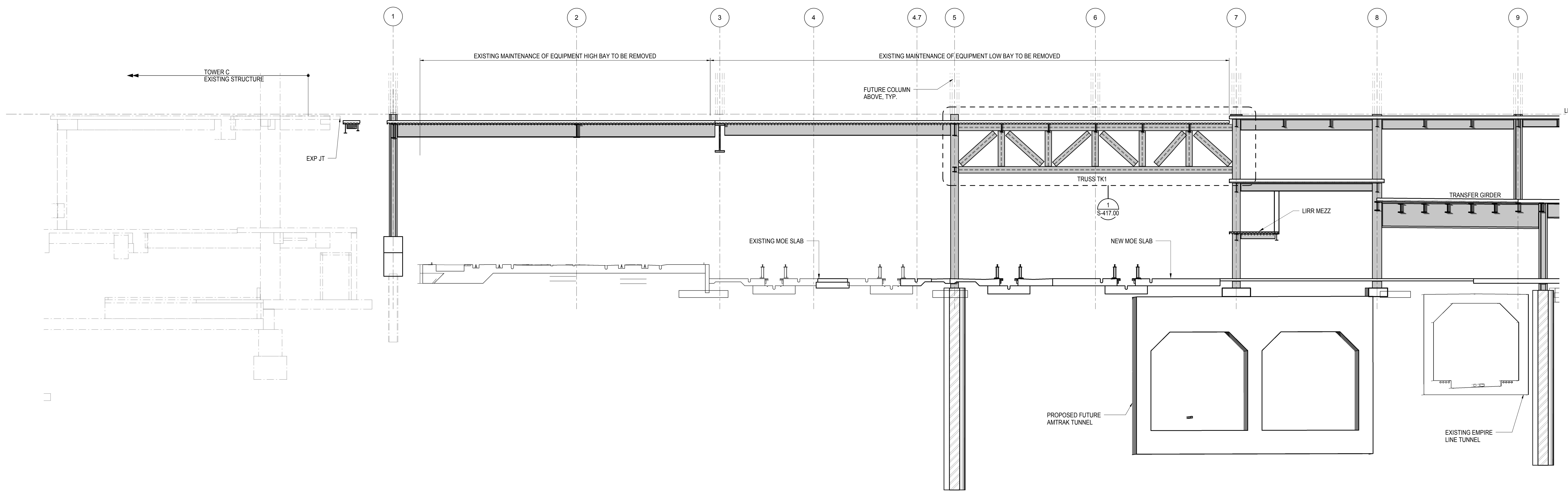
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

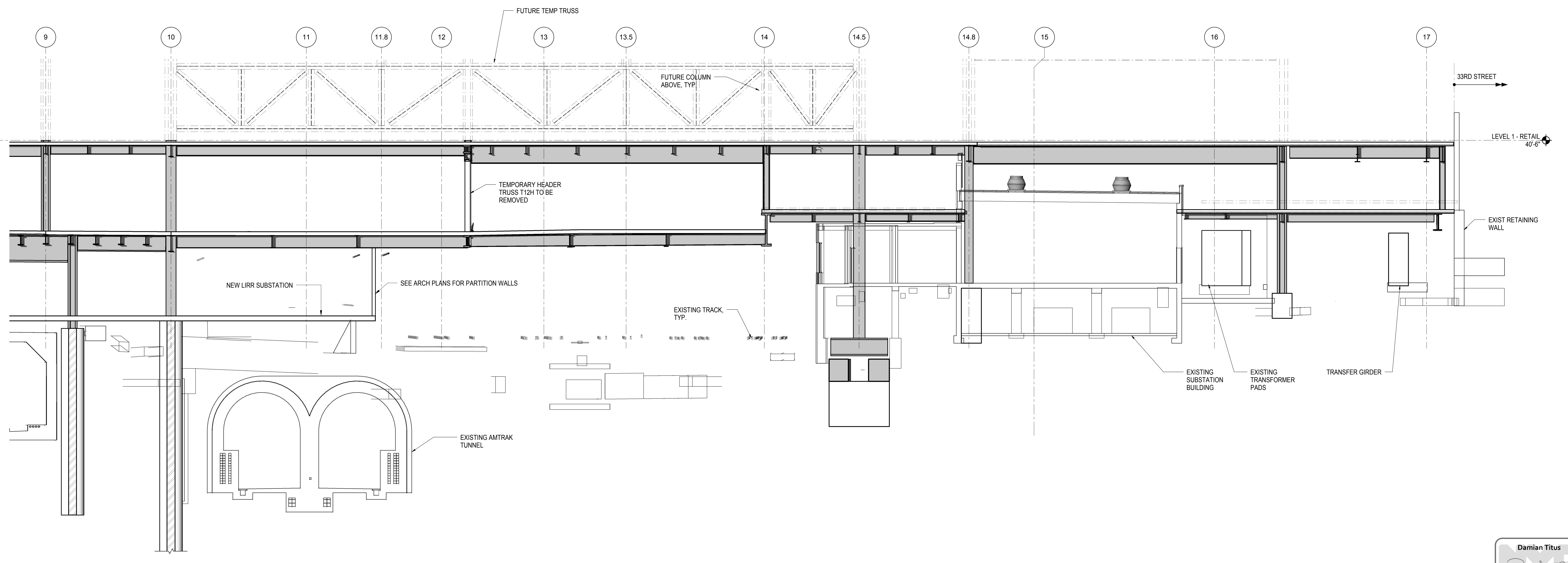
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



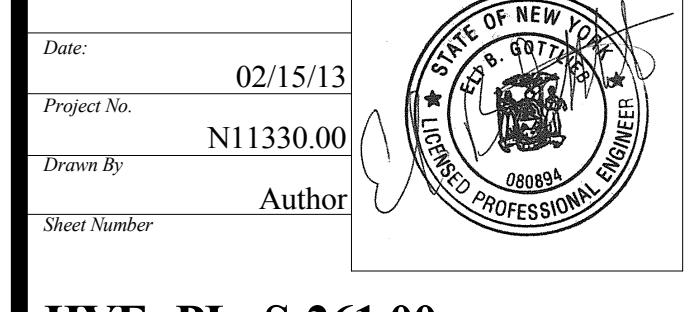
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE K
1/8" = 1'-0"

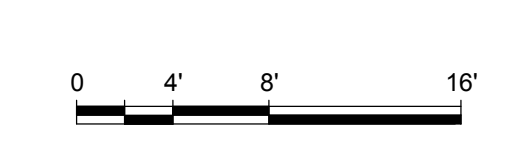
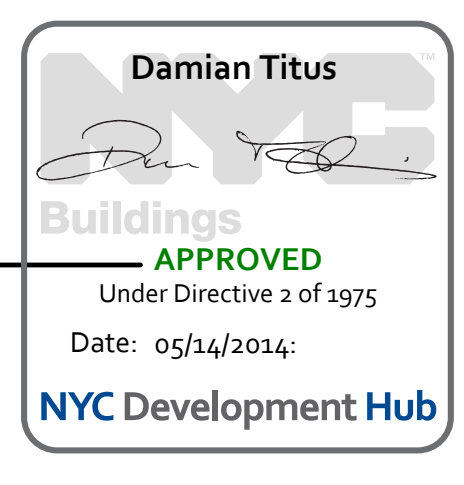
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL42 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL40 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

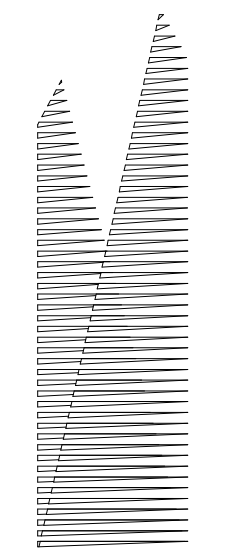
Rev. Plan



Date: 02/15/13
Project No: N11330.00
Drawing Title: **HYE - PL - S-261.00**
Author: **ELEVATION AT GRID LINE K**

Drawing Number / B/S/C/S Drawing Number
S-261.00
SHEET 59 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

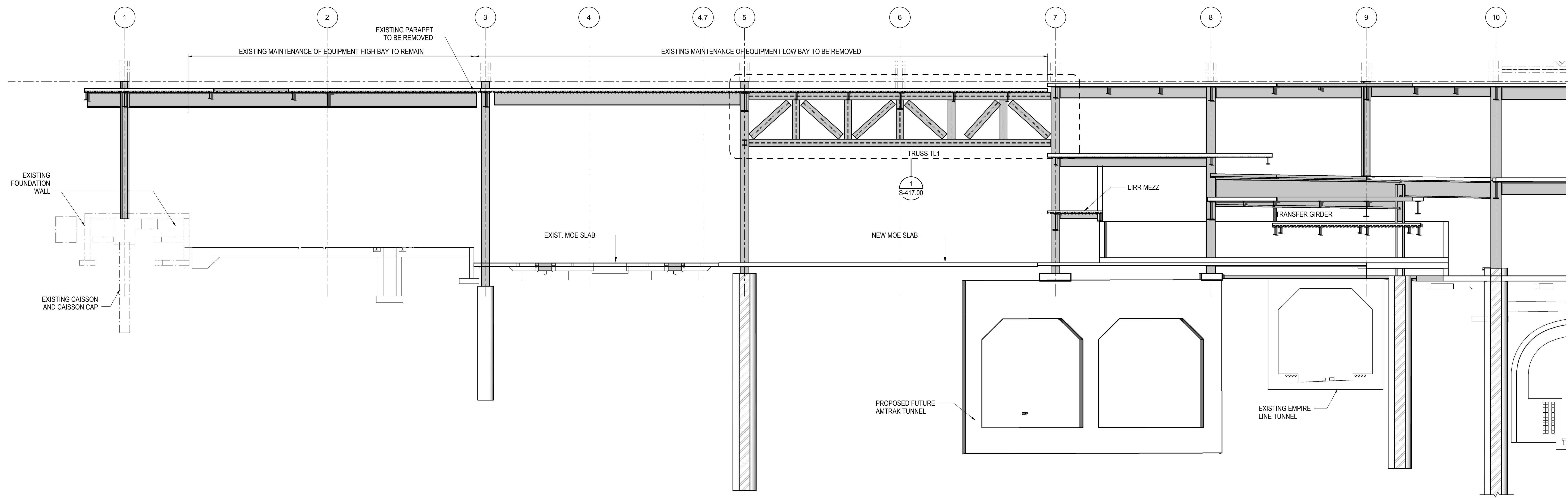
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
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Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
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New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

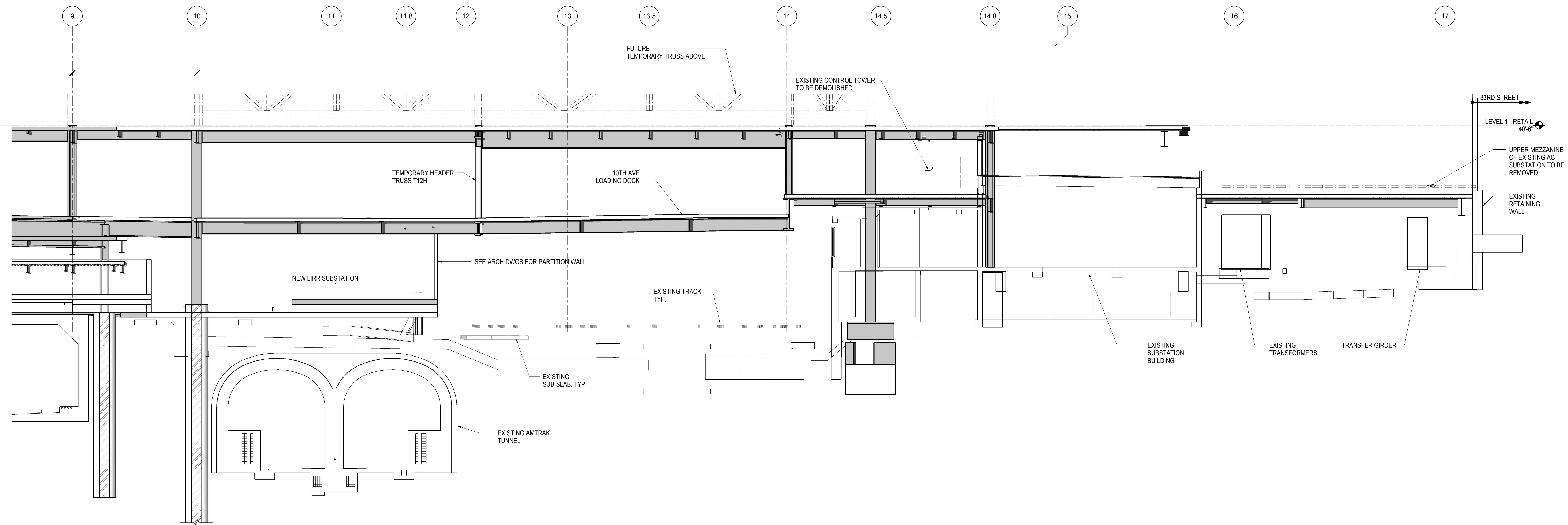
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



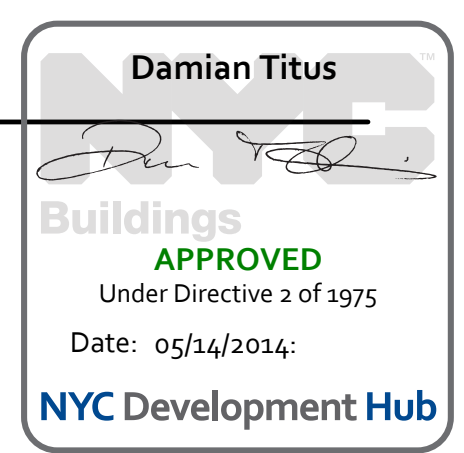
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE L
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
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| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL42 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL42 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

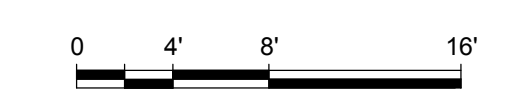
Rev. Plan

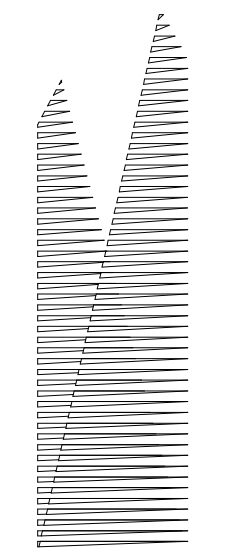


Date: 02/15/13
Project No: N11330.00
Title: Author
Map Number: Author

HYE - PL - S-262.00
ELEVATION AT GRID LINE L

Drawing Number / BSC/AS Drawing Number
S-262.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

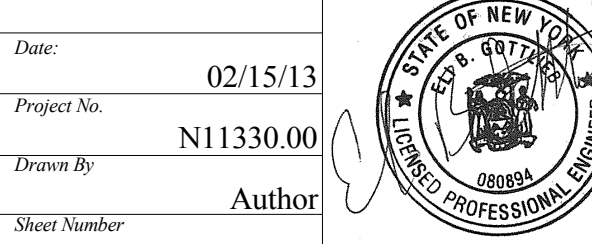
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FEEDS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Description



Date: 02/15/13
Project No: N11330.00
Author: Author
Issue Number: Author

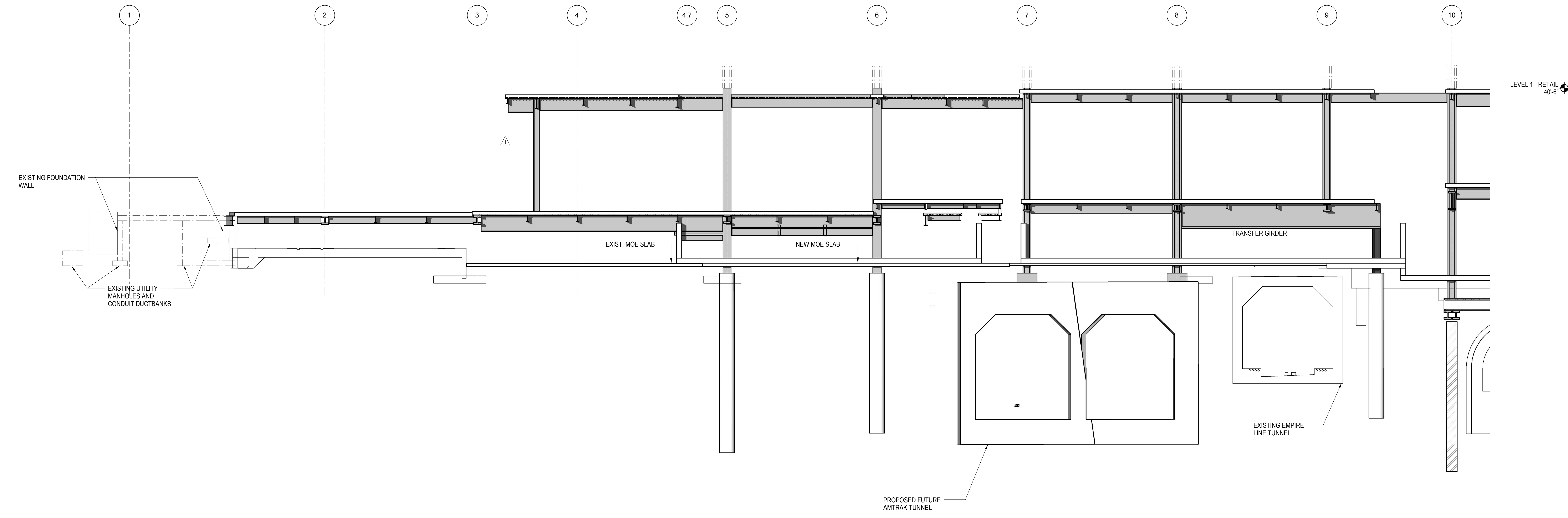
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ELEVATION AT GRID LINE M

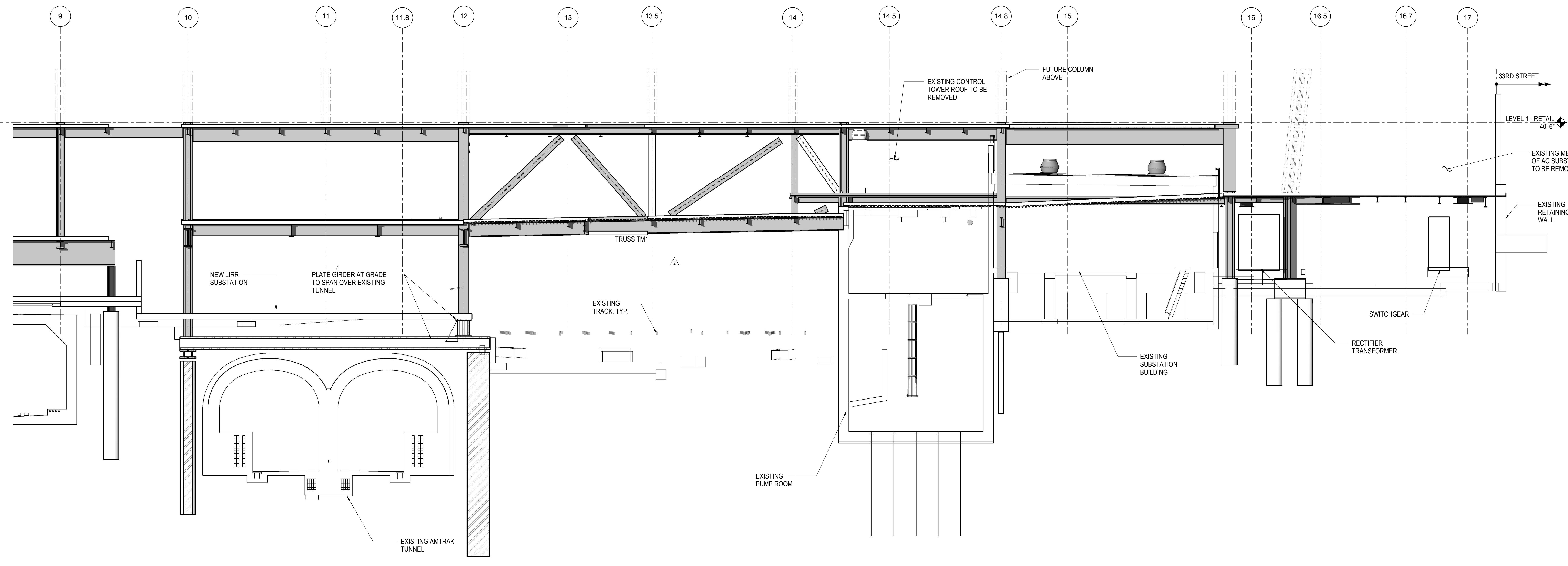
Drawing Title
S-263.00

Drawing Number / B.S.C.A.S. Drawing Number
S-263.00

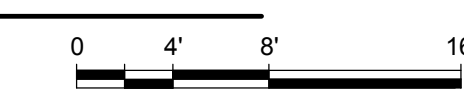
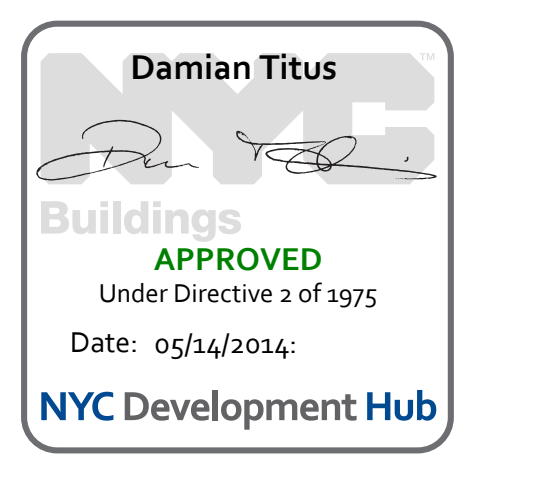
SHEET 61 OF 201



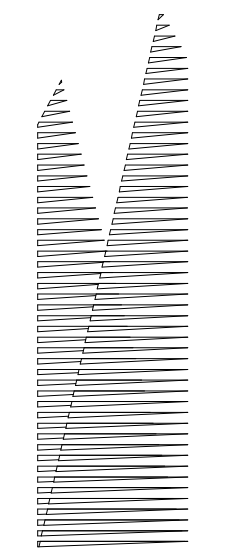
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE M
1/8" = 1'-0"



ELEVATION AT GRID LINE M
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
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NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
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LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
M&T - PLATFORM SUBMISSION
Δ - DLQ2 PHASE I STRUCTURAL UPDATE 11/1/2013
NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
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Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
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LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL SUBMISSION 11/22/2013
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NYC DOB FILING 10/4/2013
Δ - DLQ1 PHASE I STRUCTURE UPDATE 9/20/2013
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NYC DOB FILING 6/17/2013
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LIRR - 60% - PHASE I FDNS 3/29/2013
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LIRR - 30% SUBMISSION 2/15/2013

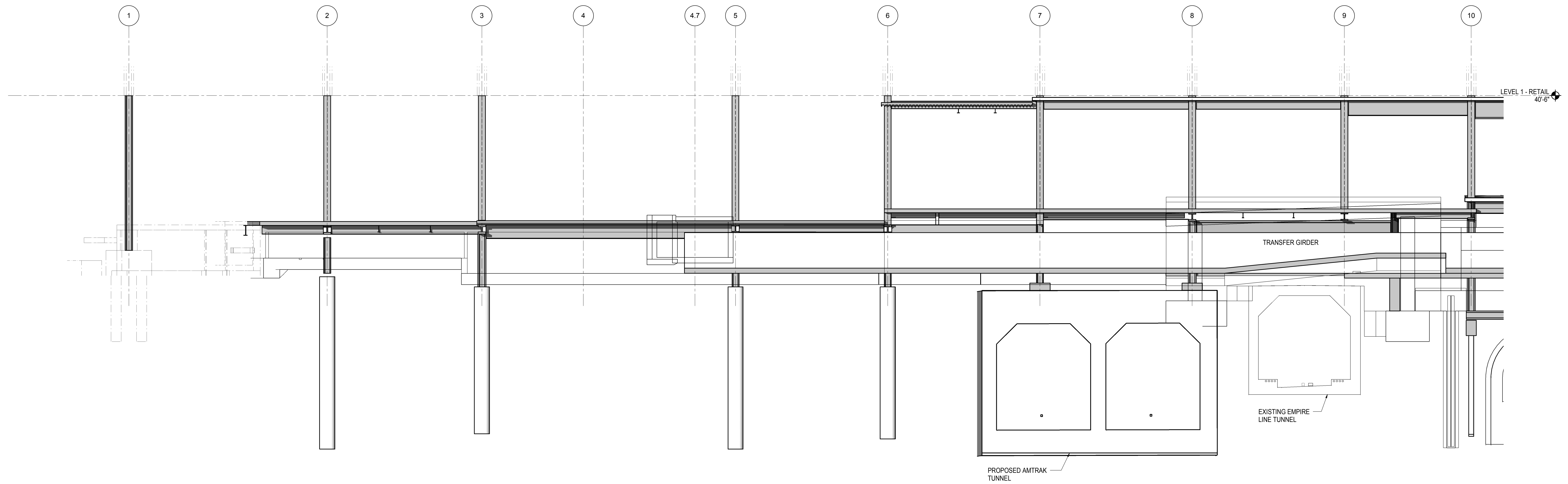
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M&T - PLATFORM SUBMISSION
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NYC DOB FILING 10/4/2013
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LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
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NYC DOB FILING 12/4/2013
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NYC DOB FILING 6/17/2013
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LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

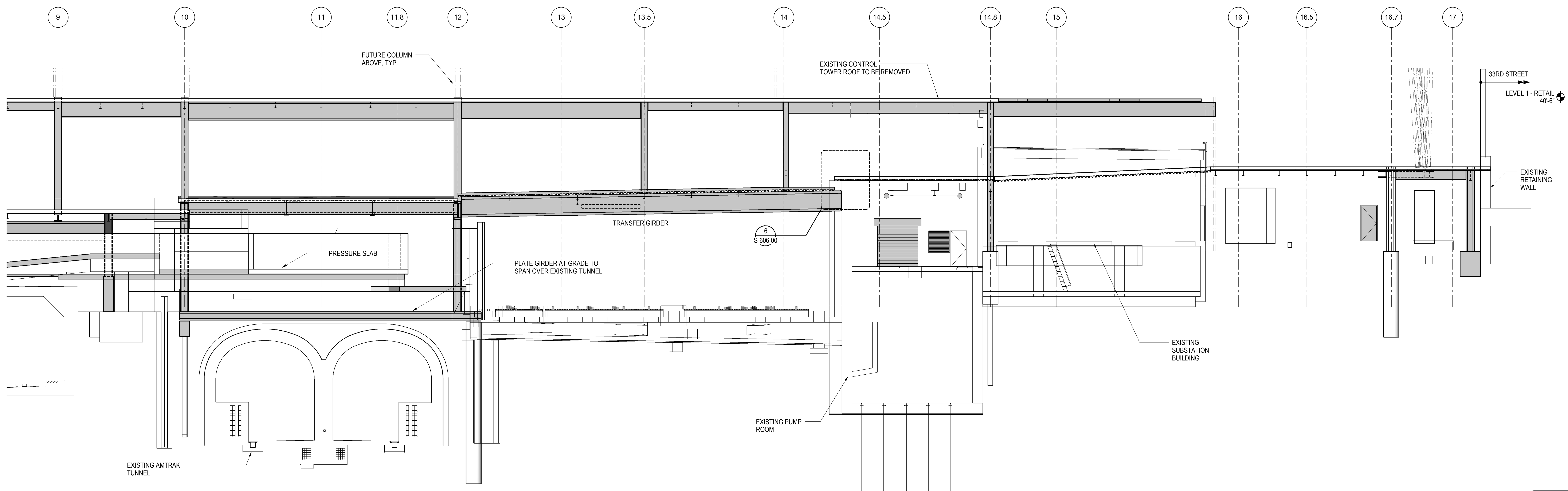
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NYC DOB FILING 6/17/2013
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NYC DOB FILING 12/4/2013
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M&T - PLATFORM SUBMISSION
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NYC DOB FILING 12/4/2013
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LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013



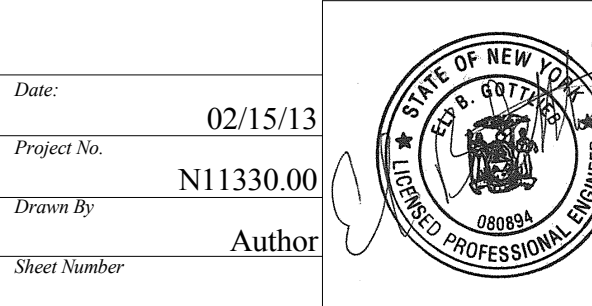
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE N
1/8" = 1'-0"

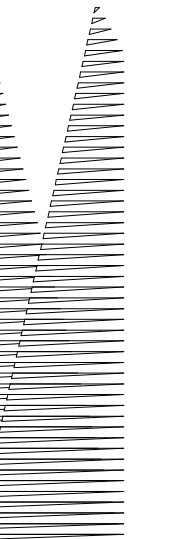
Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

0 4' 8' 16'



HYE - PL - S-264.00
ELEVATION AT GRID LINE N

Drawing Number / B/S/C/S Drawing Number
S-264.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

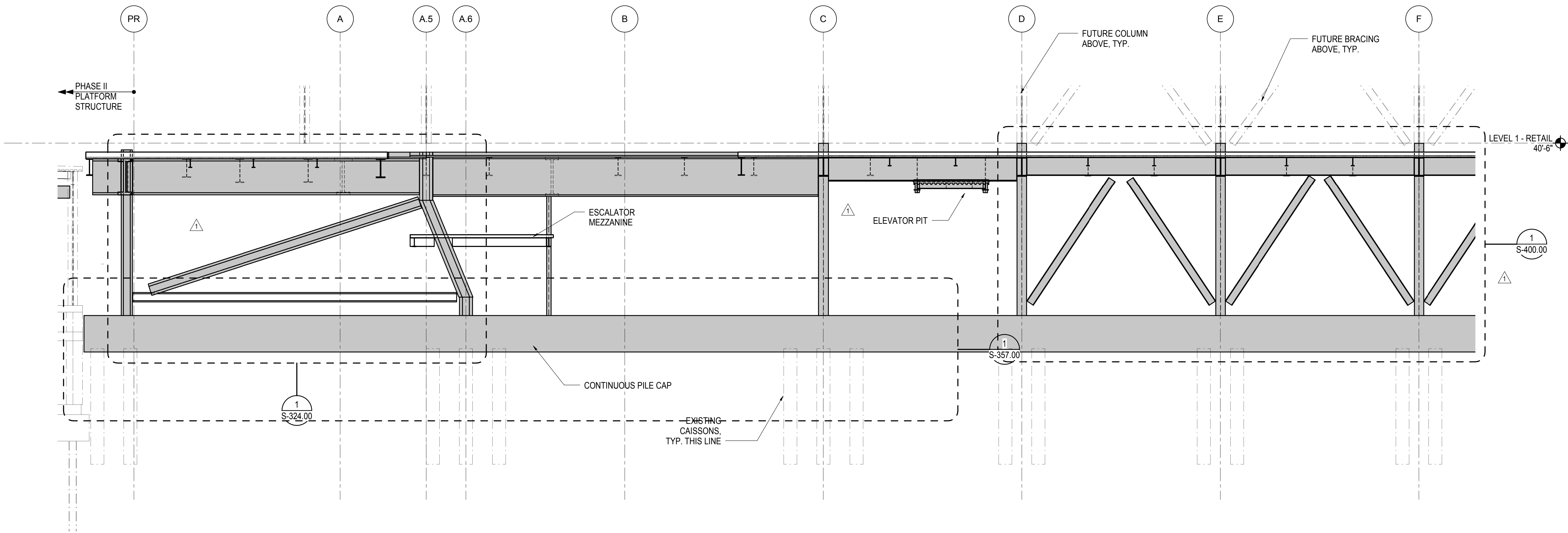
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

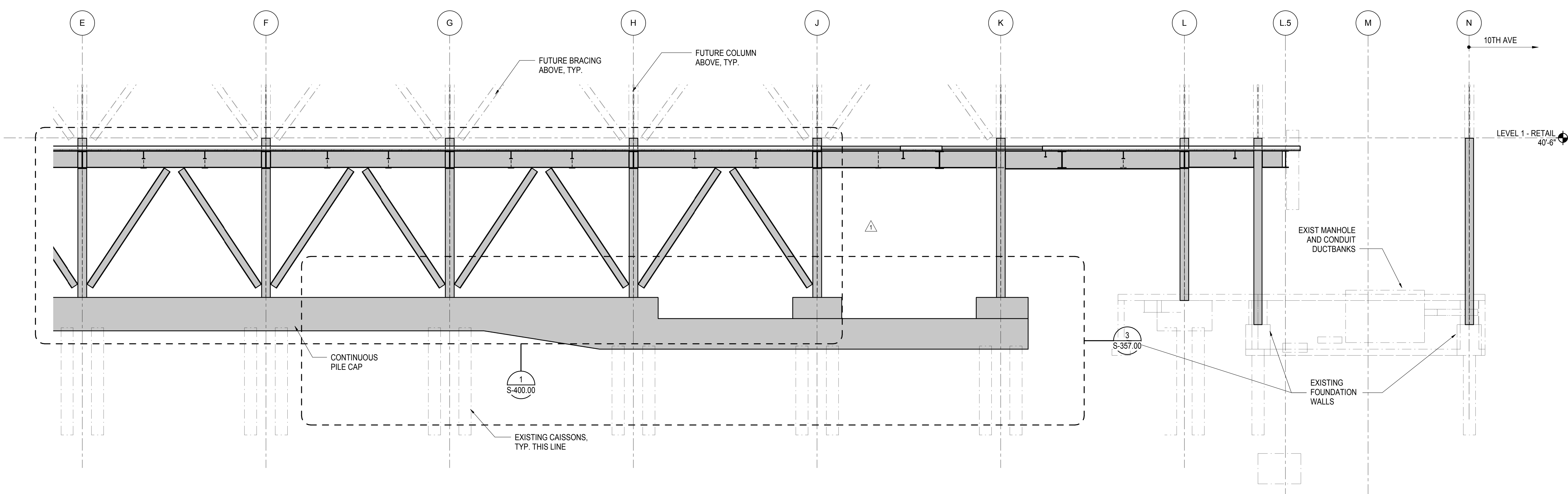
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



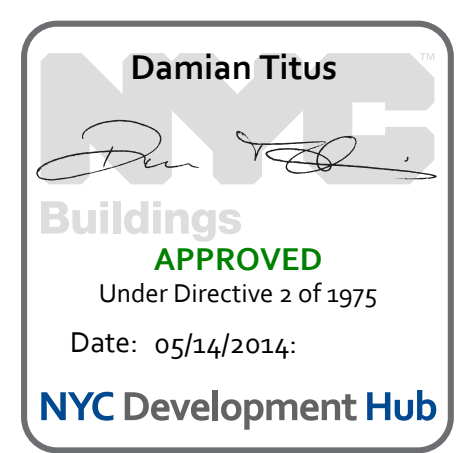
1 ELEVATION AT GRID LINE 1
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 1
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

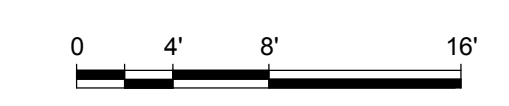
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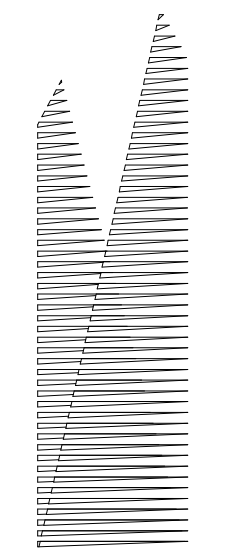


Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Issue Number:

HYE - PL - S-265.00
Drawing Title
ELEVATION AT GRID LINE 1

Drawing Number / B/S/C/S Drawing Number
S-265.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

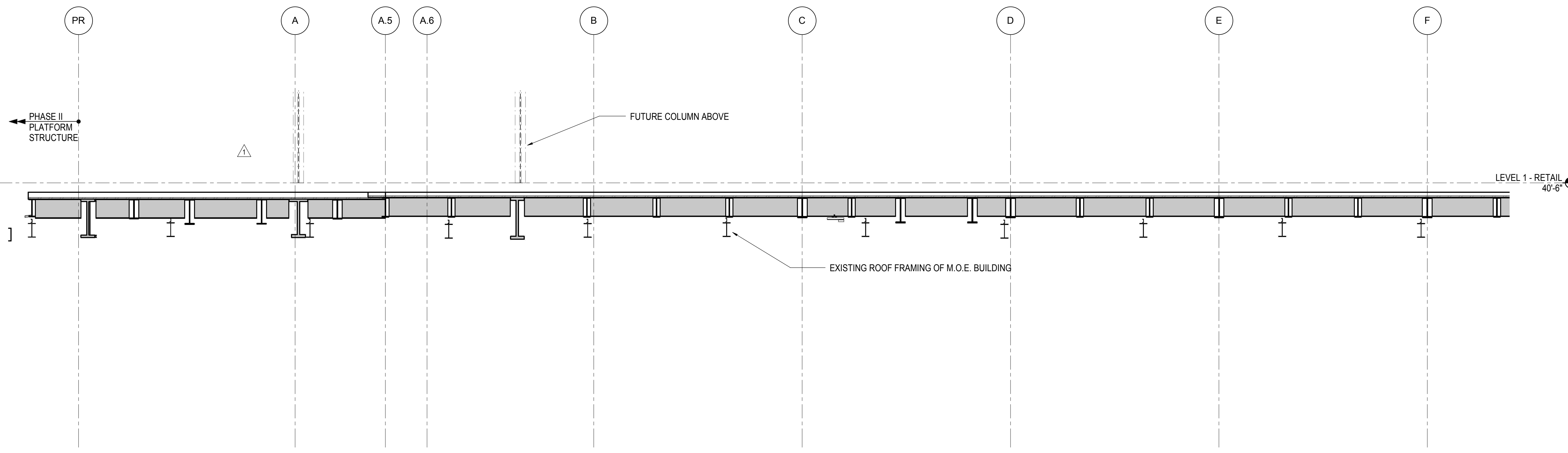
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

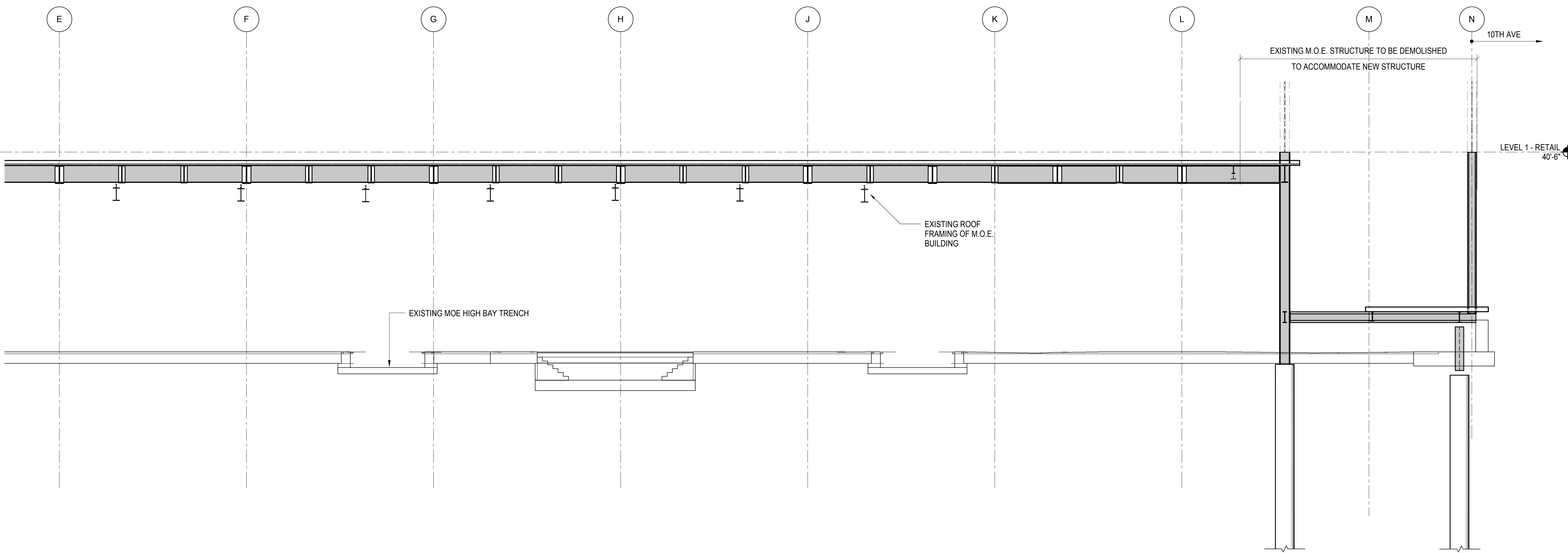
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 2
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 2
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

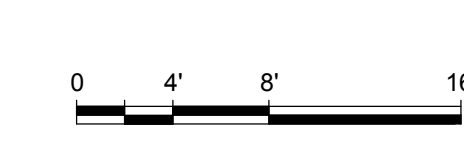
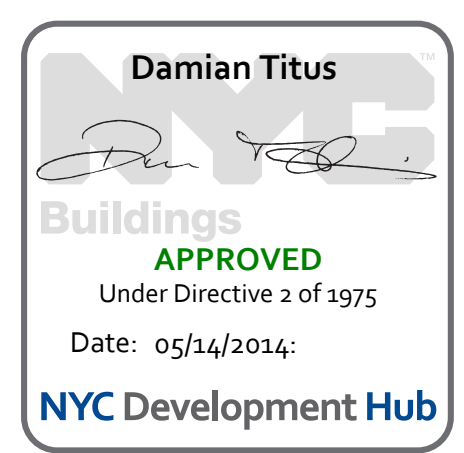
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| Date | 02/15/2013 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Sheet Number | |

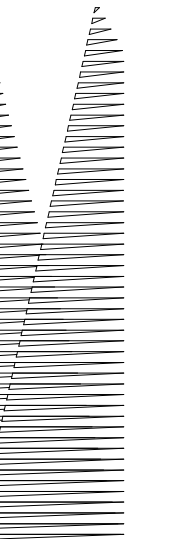
HYE - PL - S-266.00

ELEVATION AT GRID LINE 2

Drawing Number / B.S.C.A.S Drawing Number
S-266.00

SHEET 64 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

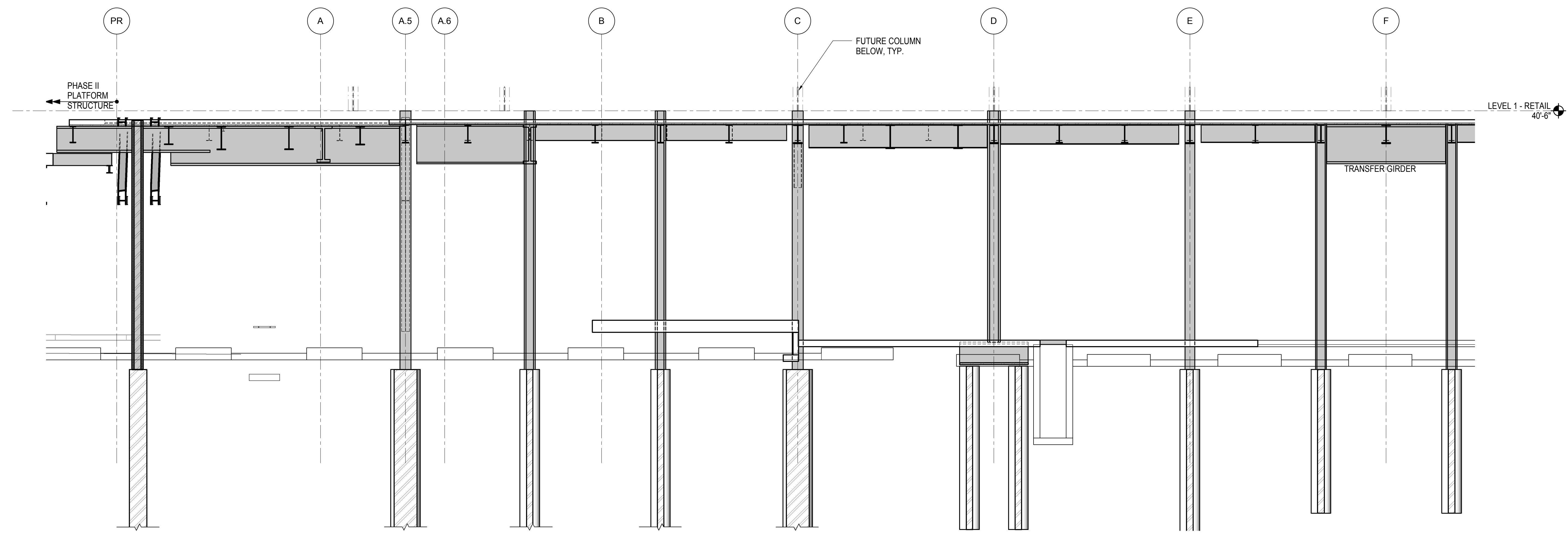
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

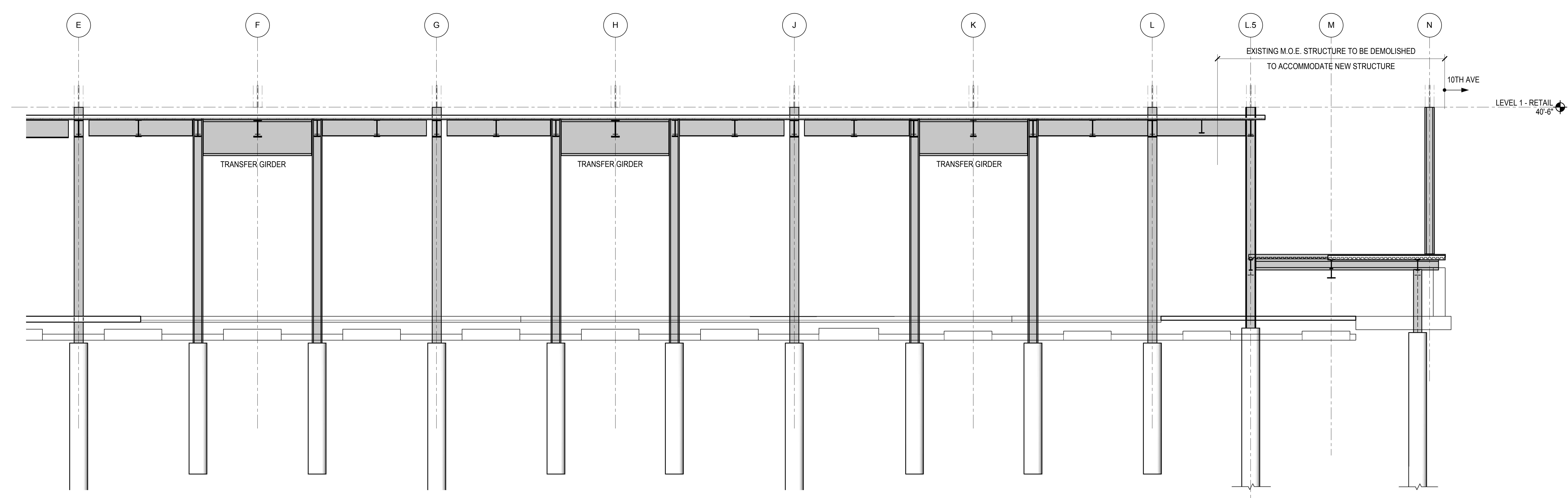
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 3
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 3
1/8" = 1'-0"

| | |
|------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
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| LIRR - 30% SUBMISSION | 2/15/2013 |
| By | Drawn |

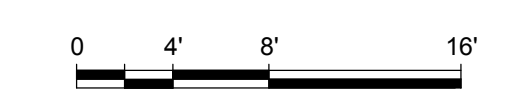
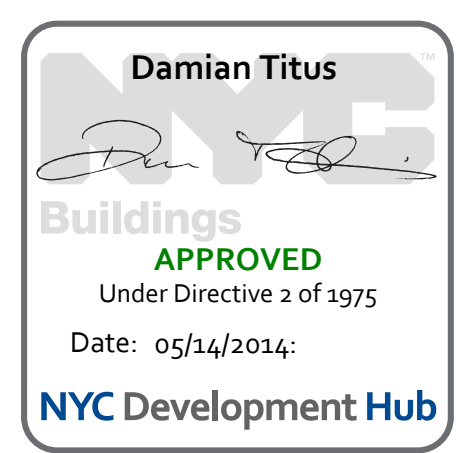
Rev. Plan

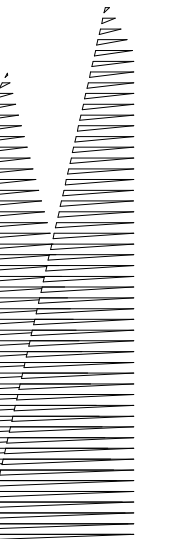
Date: 02/15/2013
Project No: N11330.00
Author: Author

HYE - PL - S-267.00

ELEVATION AT GRID LINE 3

Drawing Number / B/S/C/A/S Drawing Number
S-267.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

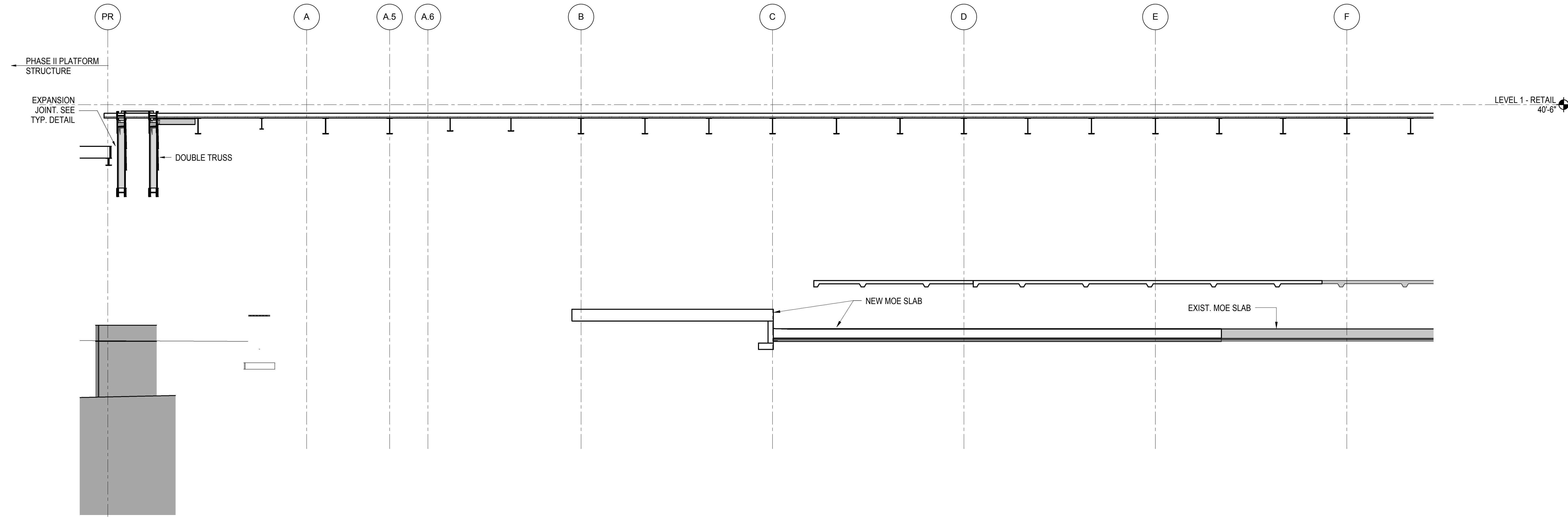
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

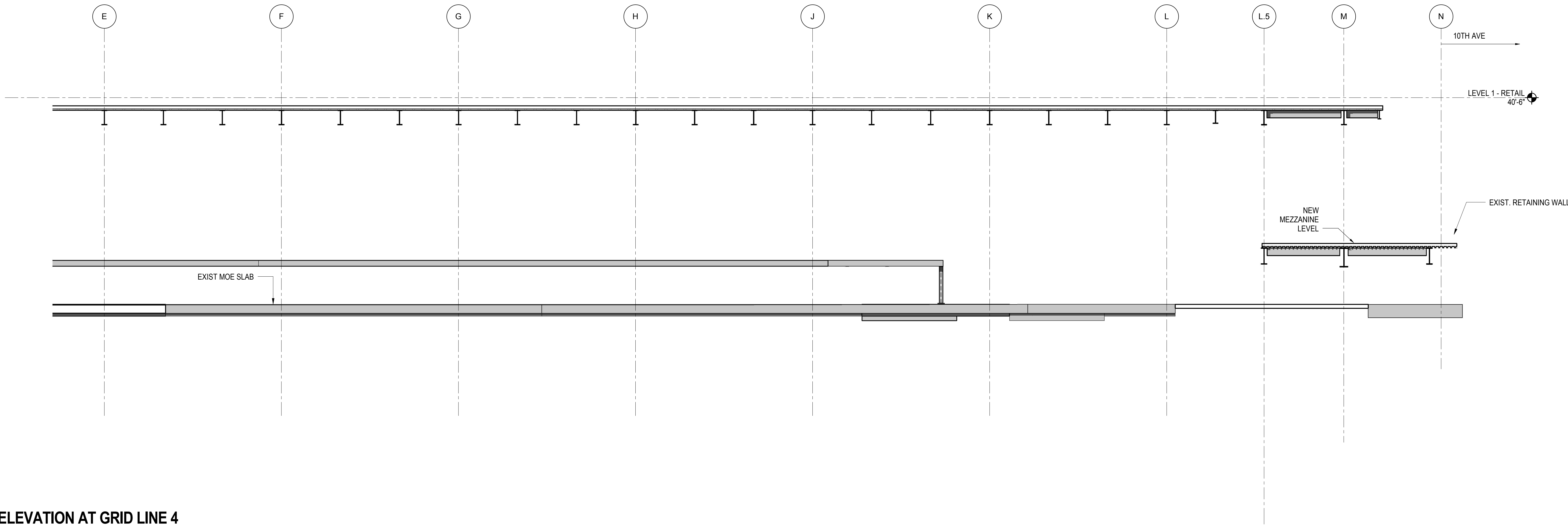
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



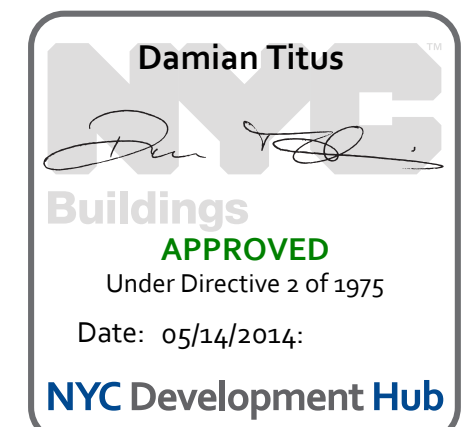
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE 4
1/8" = 1'-0"

| | |
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| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL42 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL42 PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

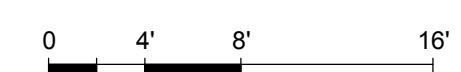
Rev. Description

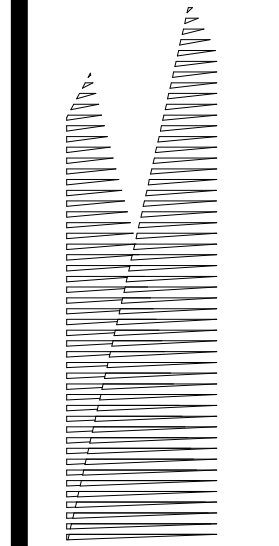


Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: HYE-PL-S-268.00

HYE-PL-S-268.00
Drawing Title
ELEVATION AT GRID LINE 4

Drawing Number / B/S/C/D Drawing Number
S-268.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

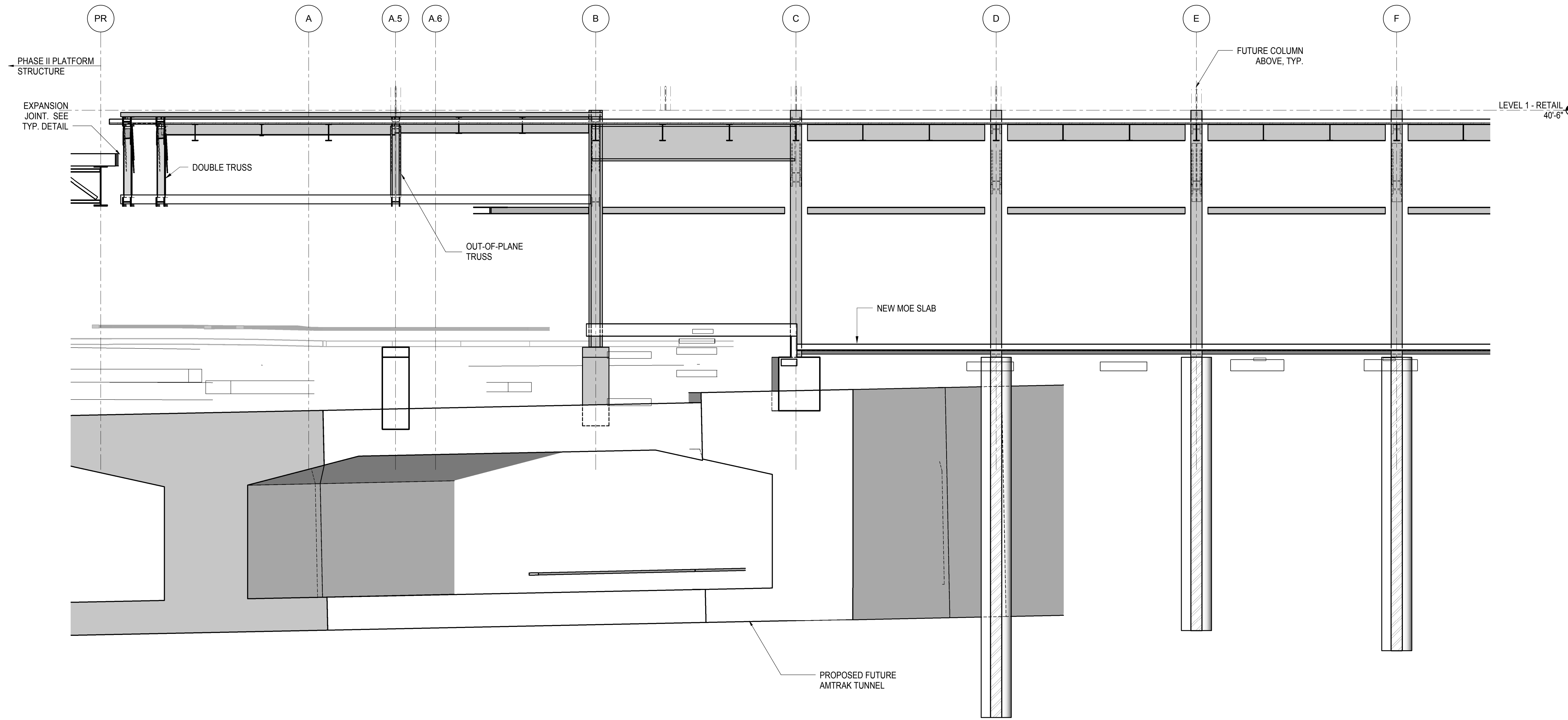
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

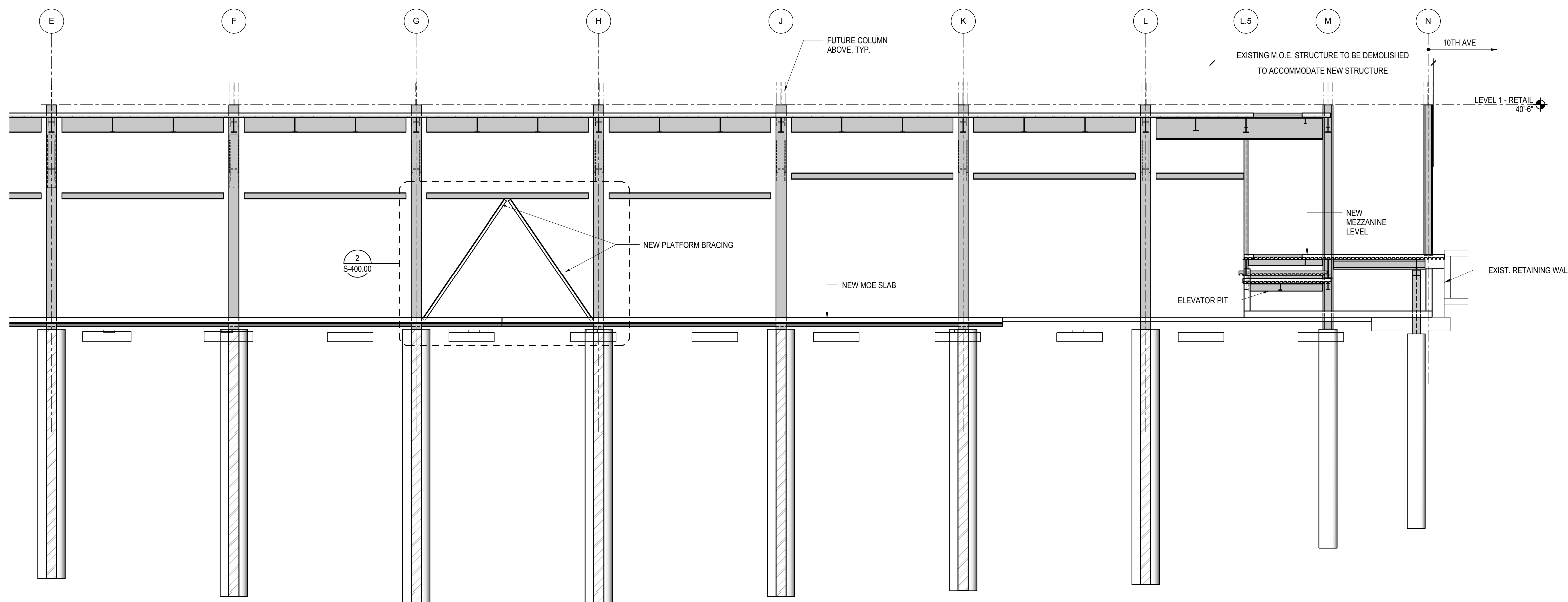
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 5
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 5
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

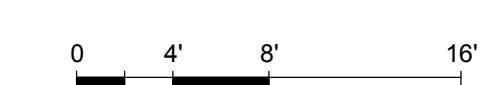
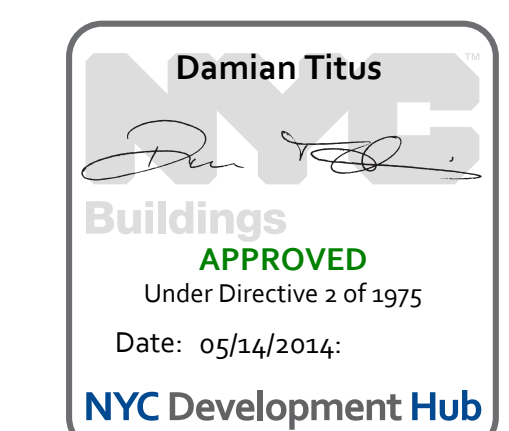
Rev. Date

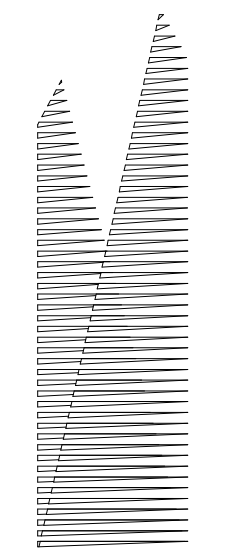
Date: 02/15/2013
Project No: N11330.00
Author: Damian Titus

HYE - PL - S-269.00

ELEVATION AT GRID LINE 5

Drawing Number / B/S/C/S Drawing Number
S-269.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

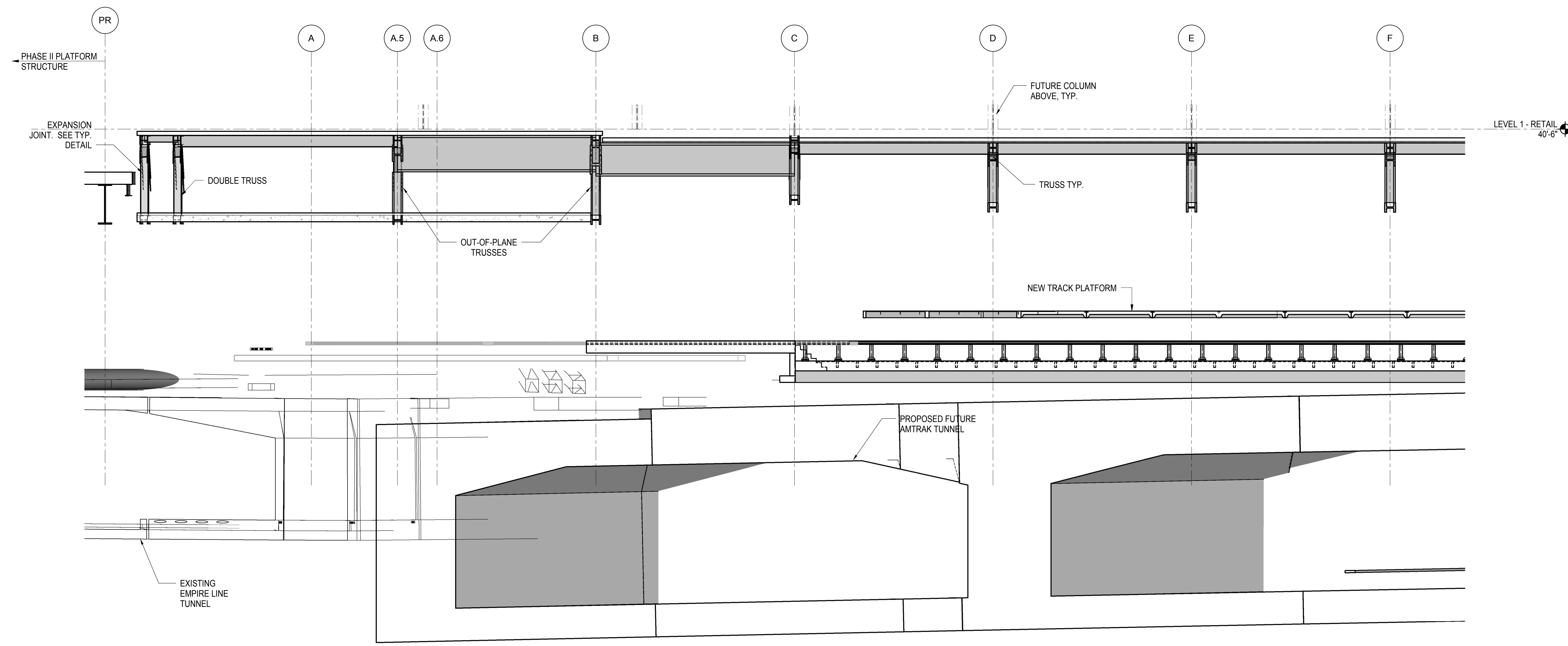
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

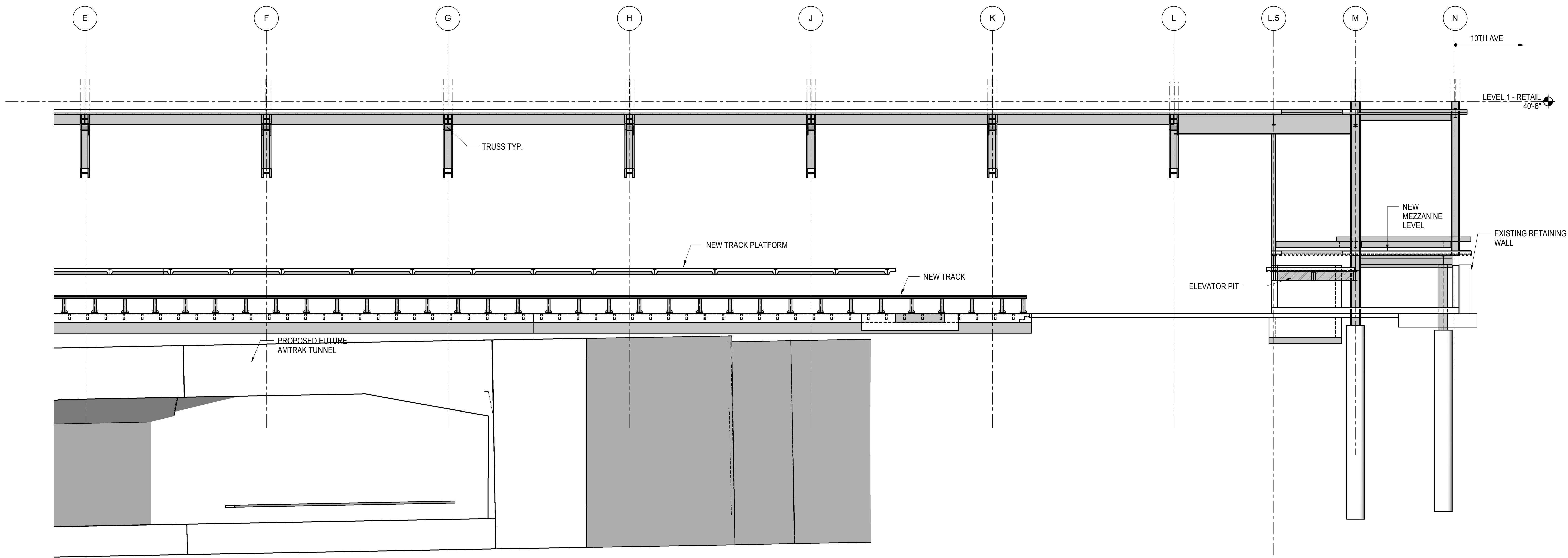
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 6
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 6
1/8" = 1'-0"

| | |
|----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ DLOZ PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLOZ PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FINIS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

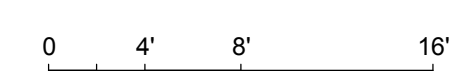
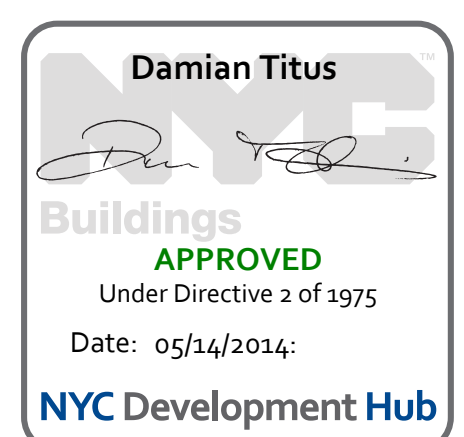
Rev. Plan

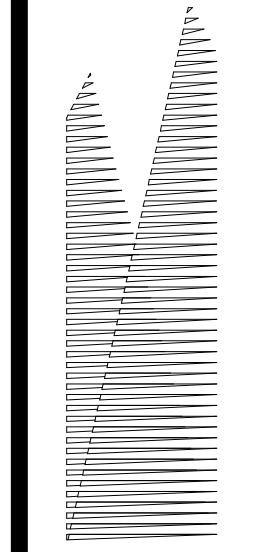
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| Date | 02/15/2013 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Sheet Number | |

HYE - PL - S-270.00

ELEVATION AT GRID LINE 6

Drawing Number / BSC/IS Drawing Number
S-270.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

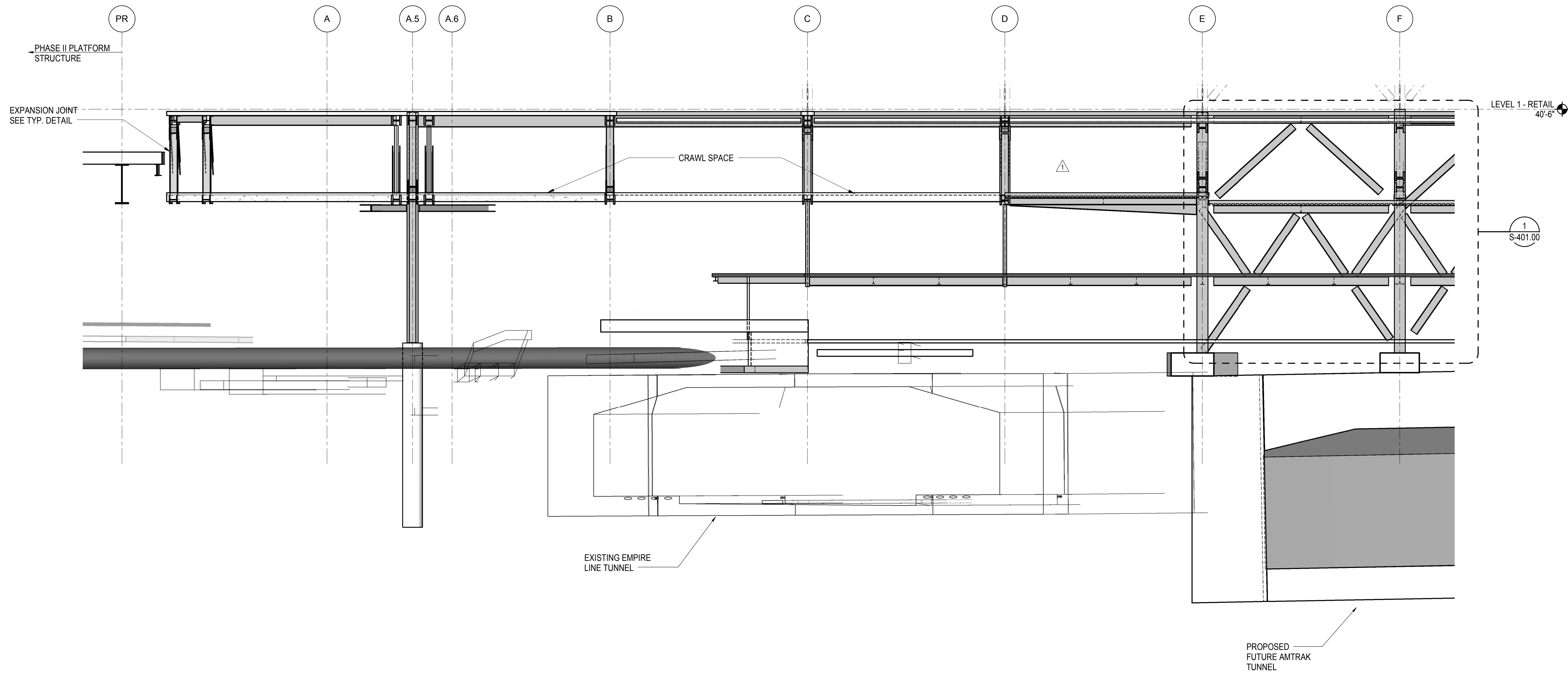
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

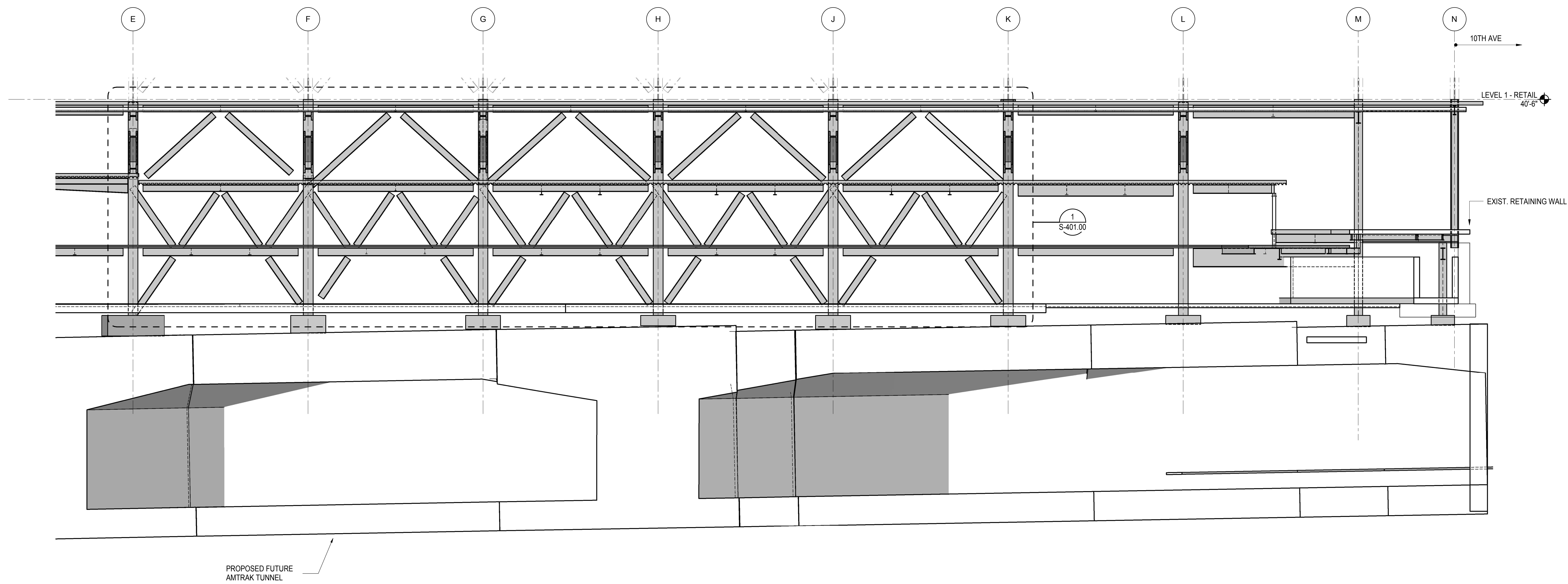
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 7
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 7
1/8" = 1'-0"

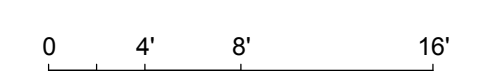
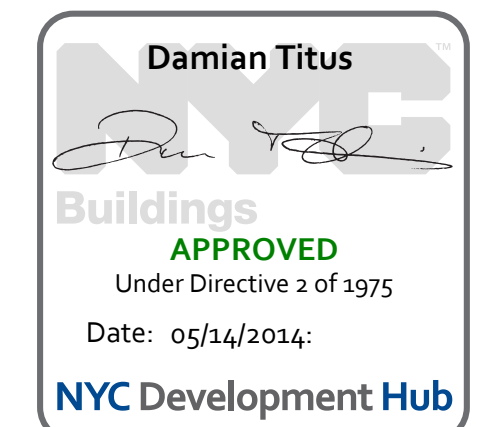
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

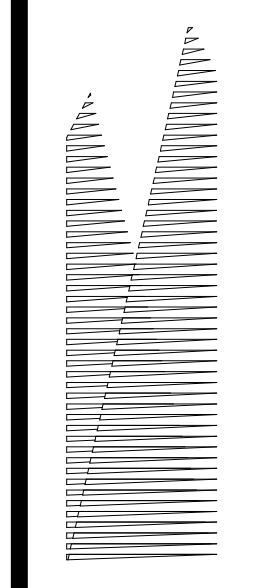
Rev. Plan

Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Issue Number:

HYE - PL - S-271.00
Drawing Title:
ELEVATION AT GRID LINE 7

Drawing Number / B/S/C/S Drawing Number
S-271.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

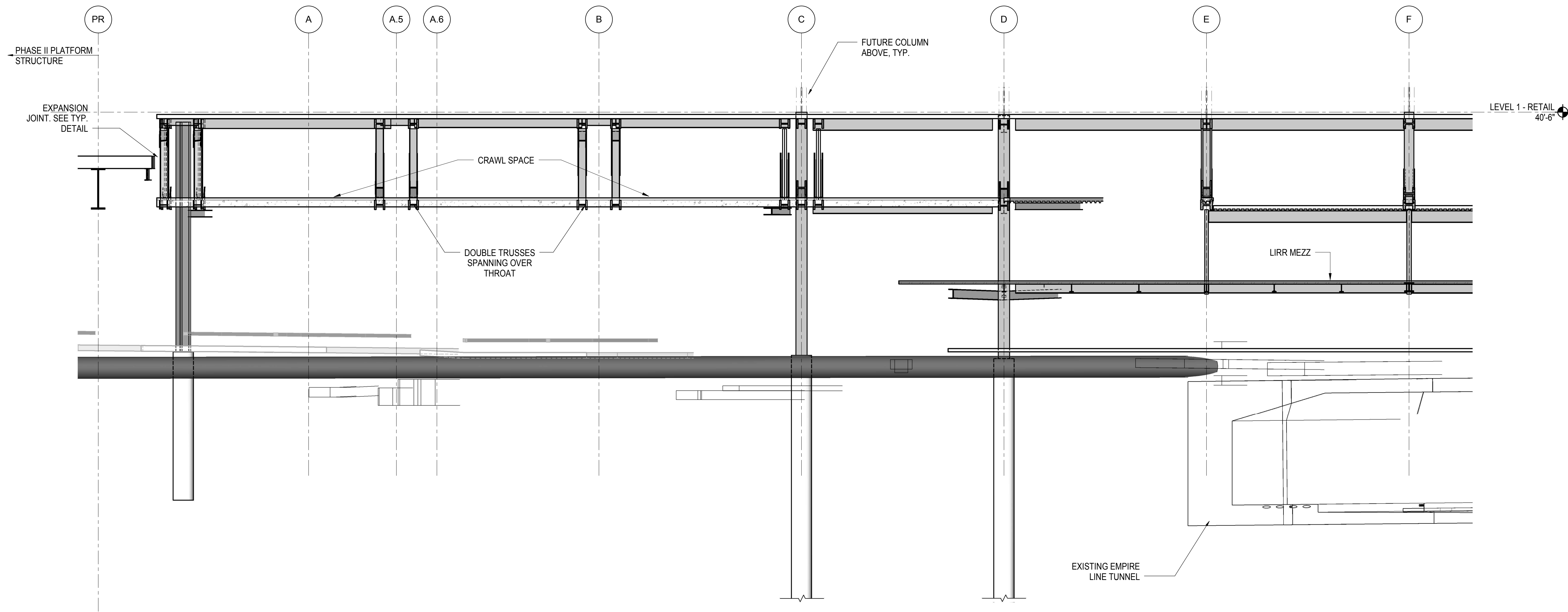
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

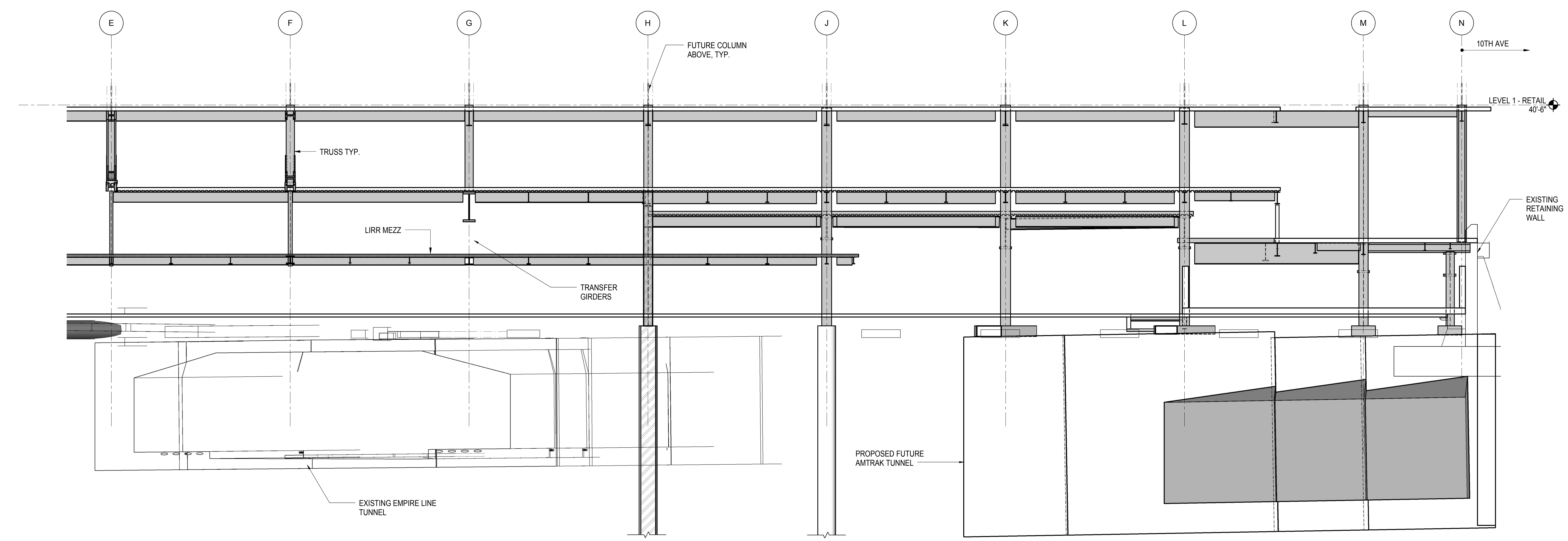
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



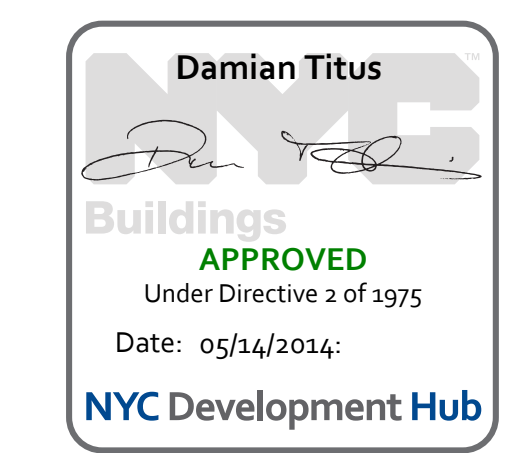
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE 8
1/8" = 1'-0"

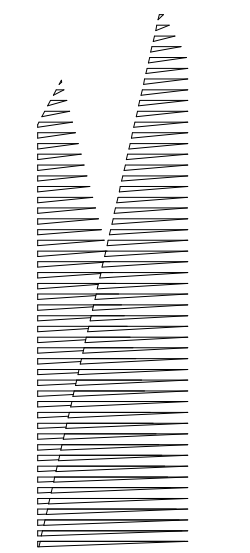
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan



Date: 02/15/2013
Project No: N11330.00
Drawing Title: Author
Sheet Number: 70 of 201

HYE - PL - S-272.00
ELEVATION AT GRID LINE 8



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

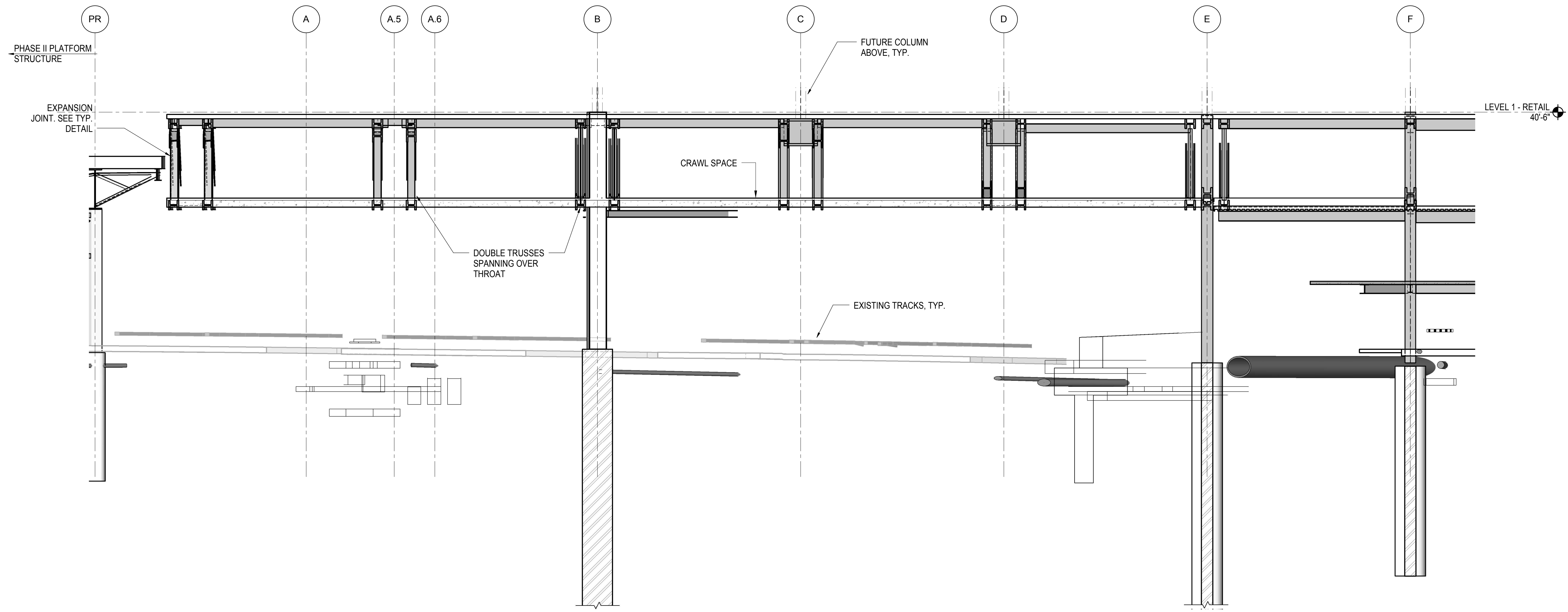
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

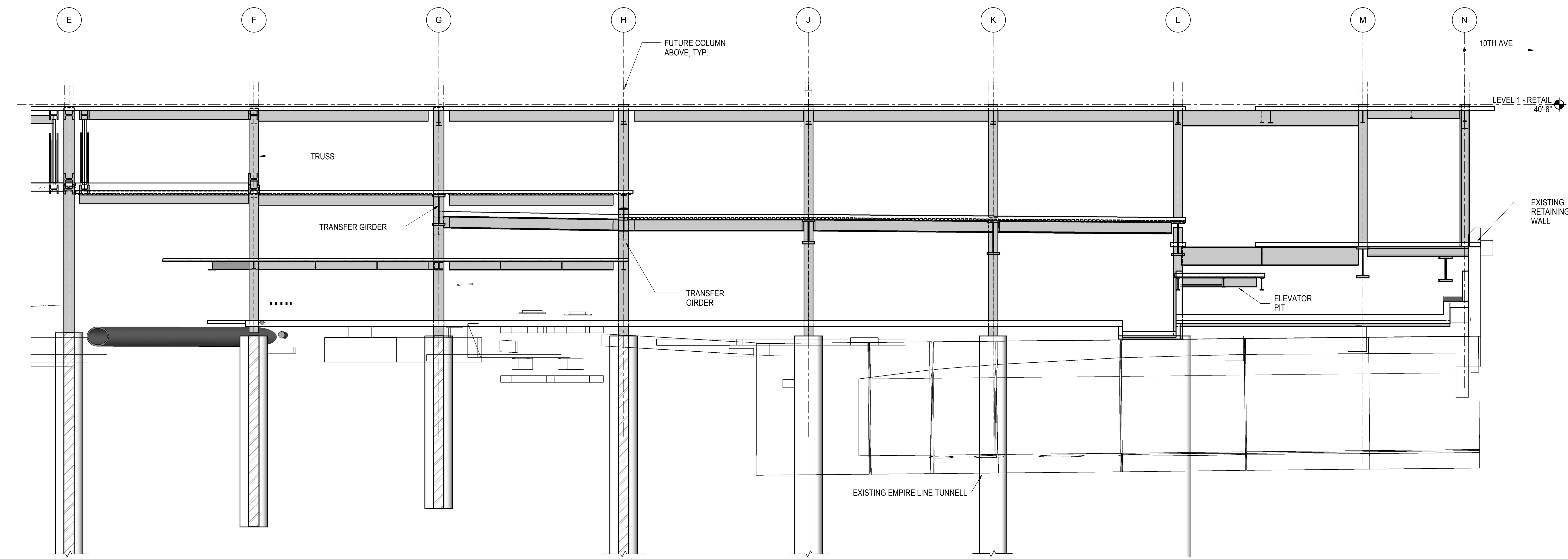
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



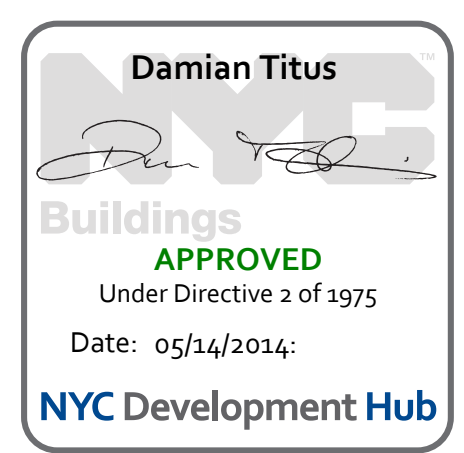
1 ELEVATION AT GRID LINE 9
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 9
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
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| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DLQ2 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DLQ1 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan



Date: 02/15/2013
Project No: N11330.00
Author: Author

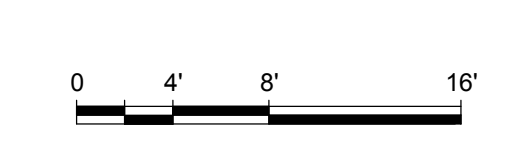
HYE - PL - S-273.00

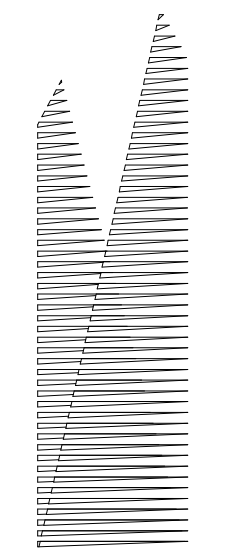
ELEVATION AT GRID LINE 9

Drawing Title

Drawing Number / B/S/C/S Drawing Number
S-273.00

SHEET 71 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

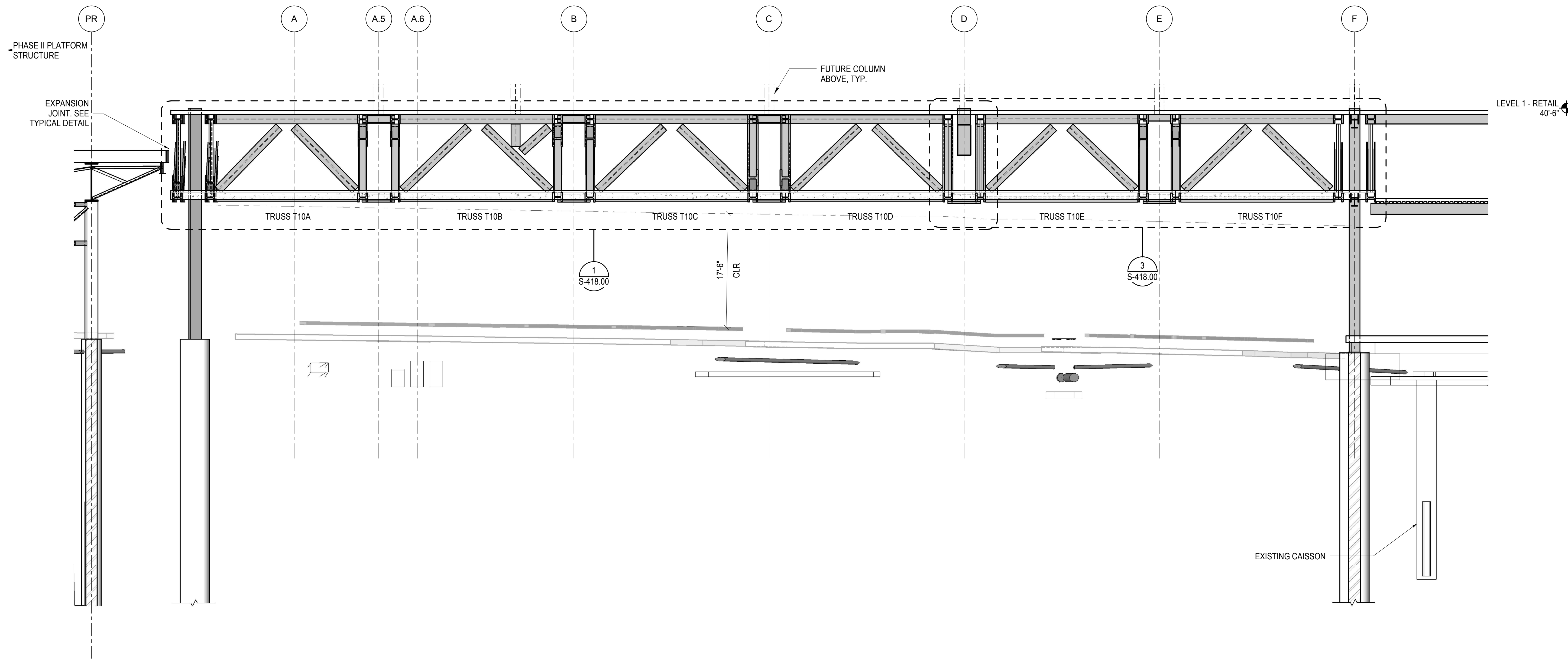
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

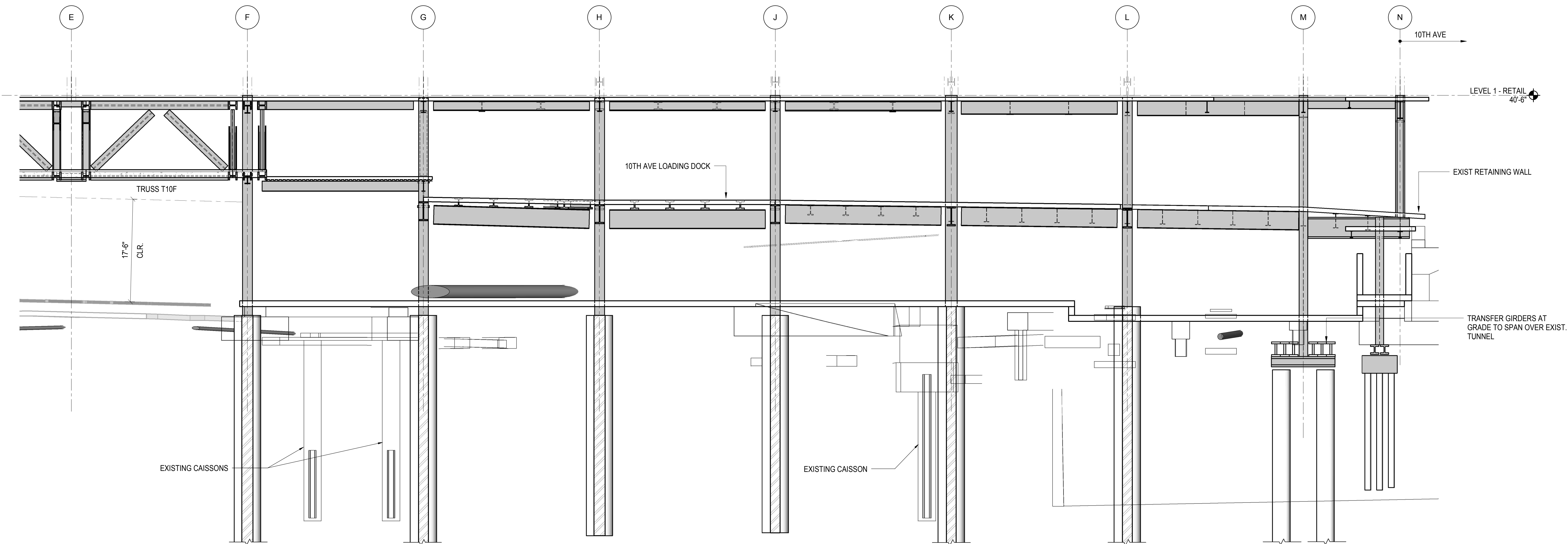
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



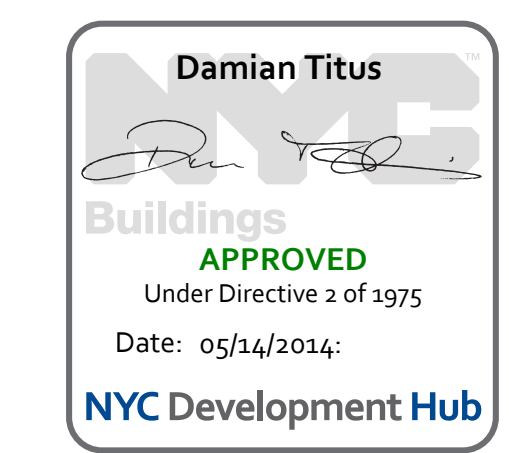
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE 10
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING - 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan



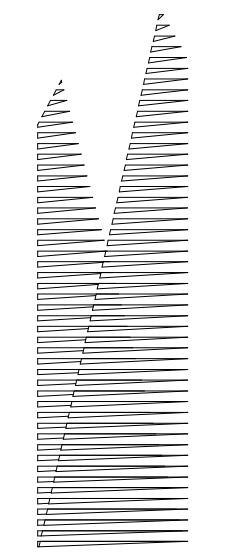
Date: 02/15/2013
Project No: N11330.00
Author: Author

HYE - PL - S-274.00

ELEVATION AT GRID LINE 10

Drawing Number / B/S/C/D Drawing Number
S-274.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

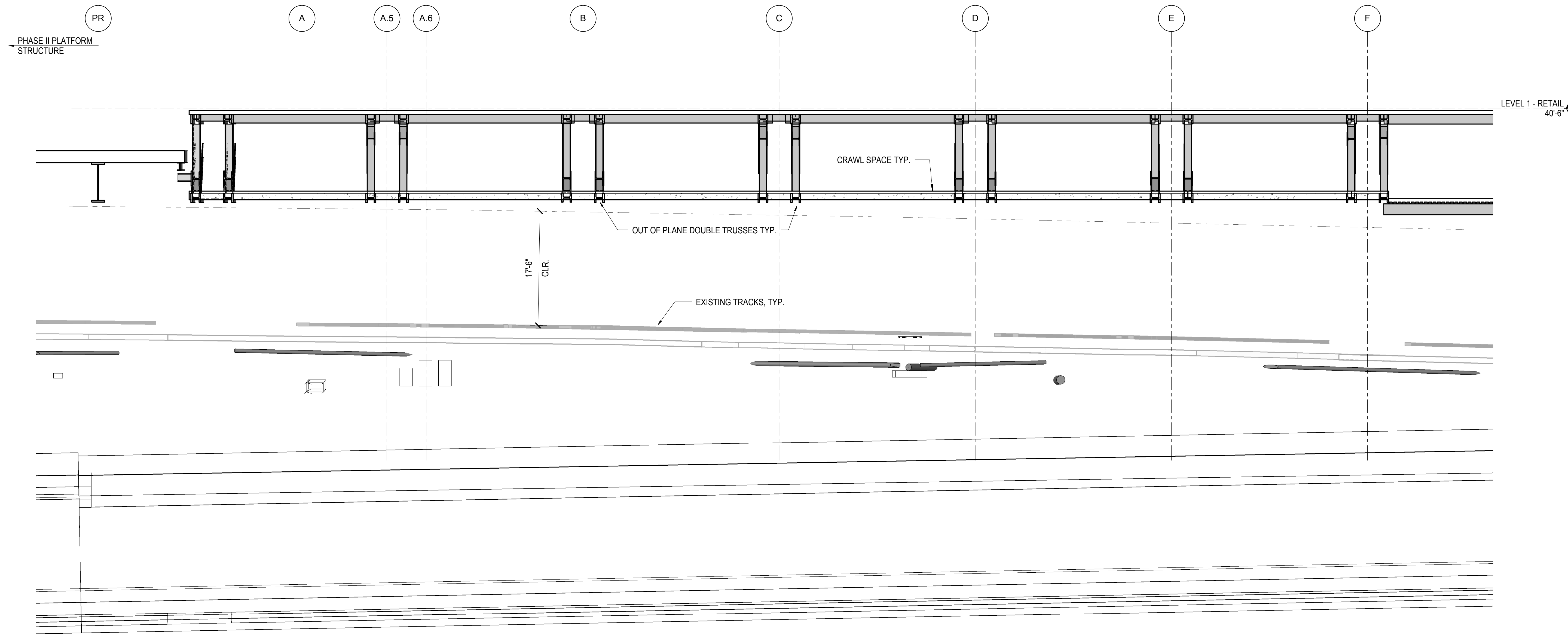
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

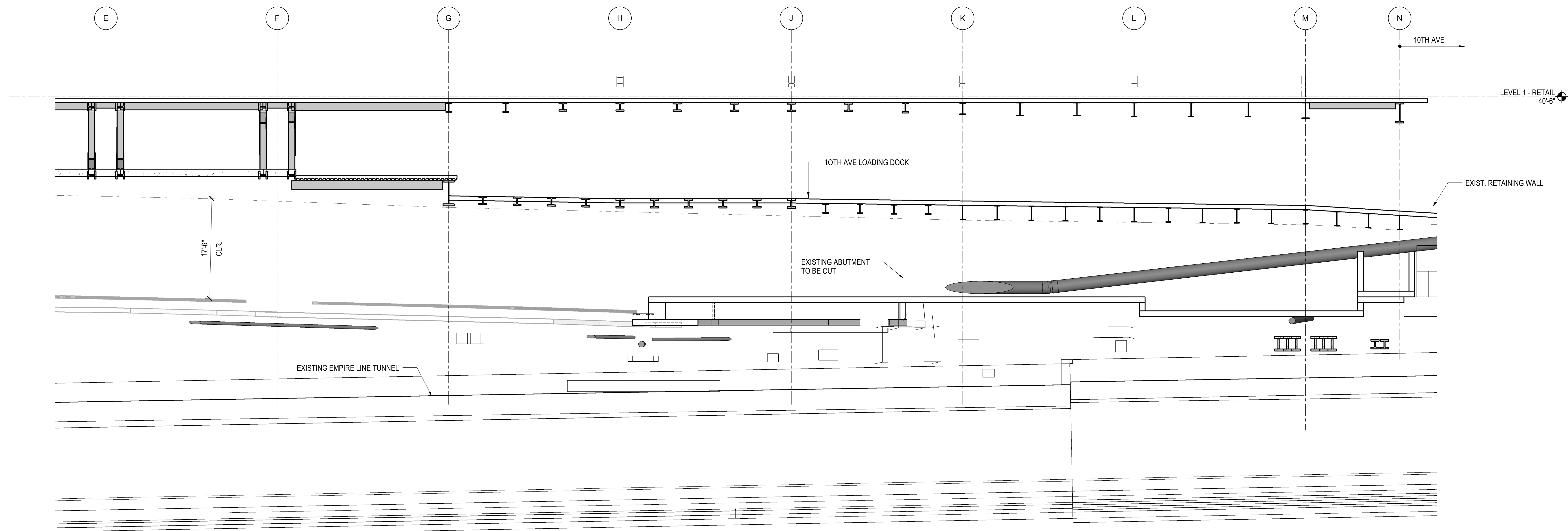
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



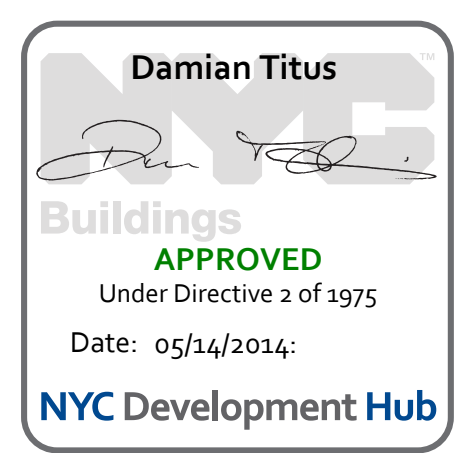
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1/8" = 1'-0"



2 ELEVATION AT GRID LINE 11
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

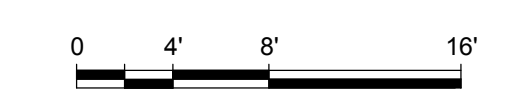
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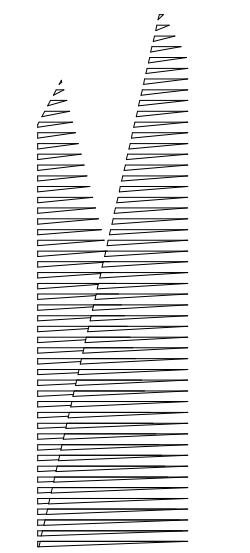


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Project No: N11330.00
Author: [Signature]
Sheet Number: [Blank]

HYE - PL - S-275.00
Drawing Title:
ELEVATION AT GRID LINE 11

Drawing Number / B/S/C/A/D Drawing Number
S-275.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

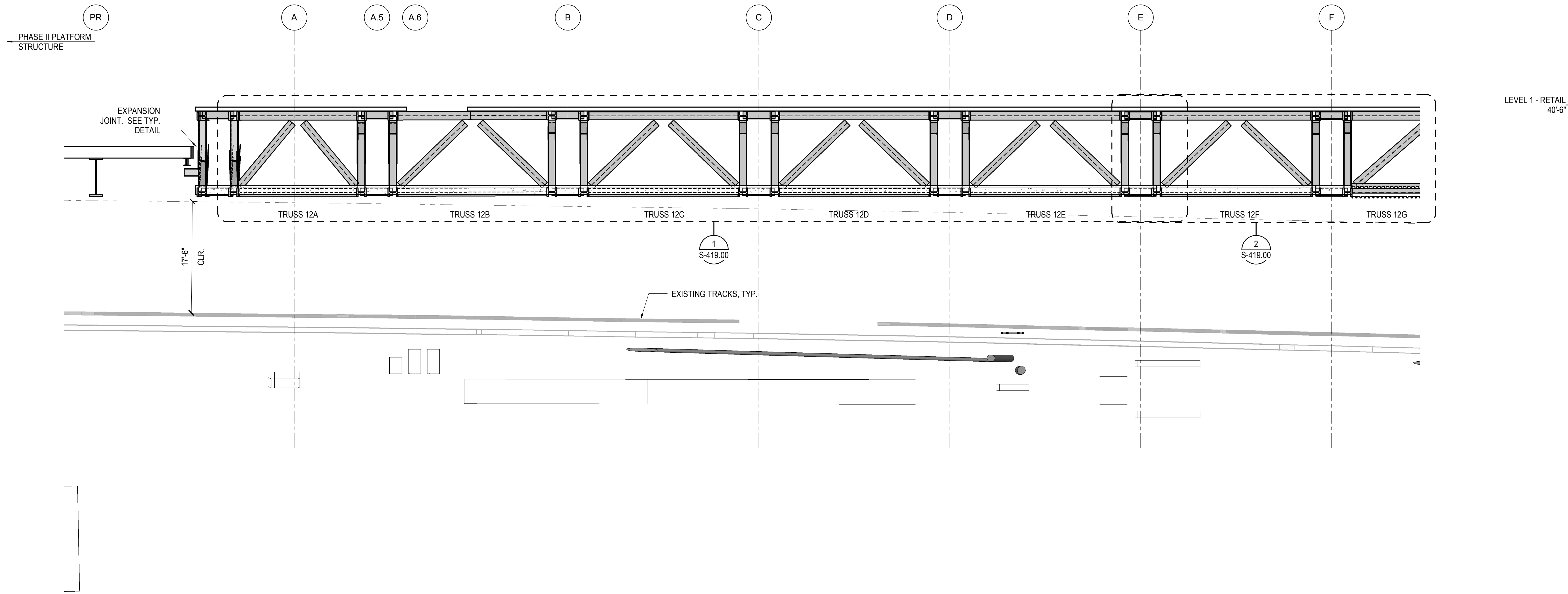
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

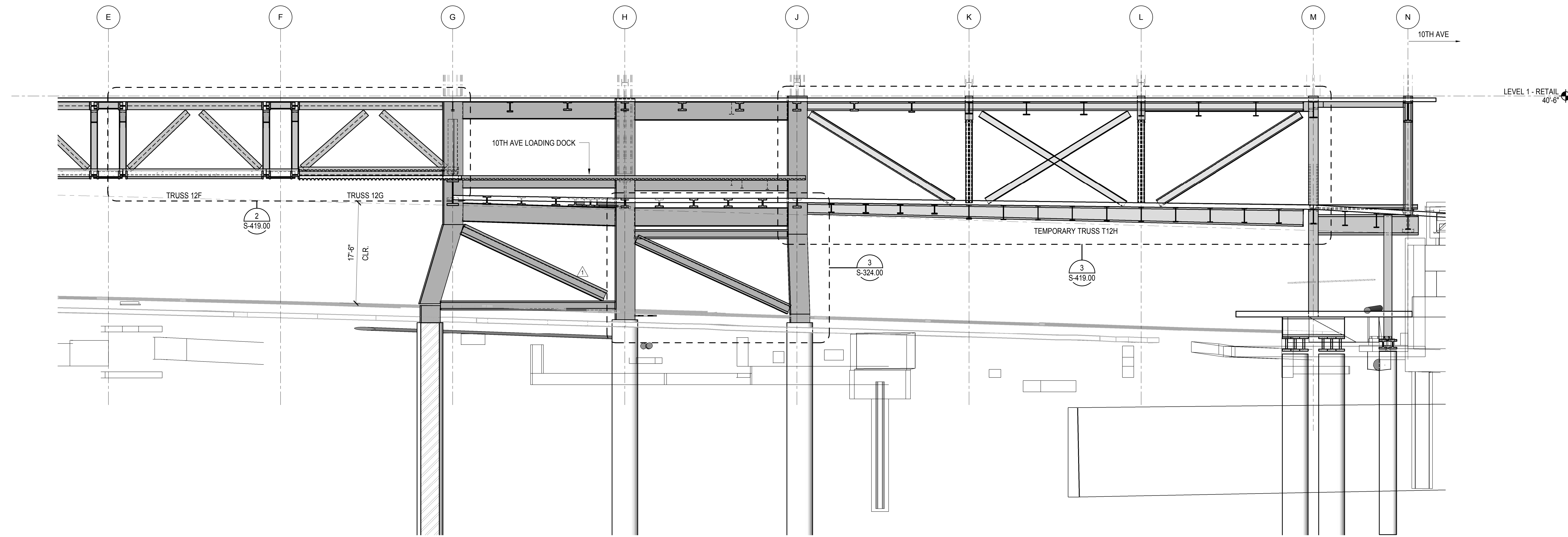
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 12
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 12
1/8" = 1'-0"

| | |
|----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL | 11/22/2013 |
| MEP PLATFORM SUBMISSION | |
| Δ DLOZ PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLOZ PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan

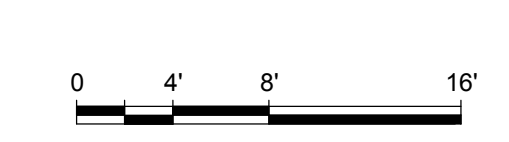
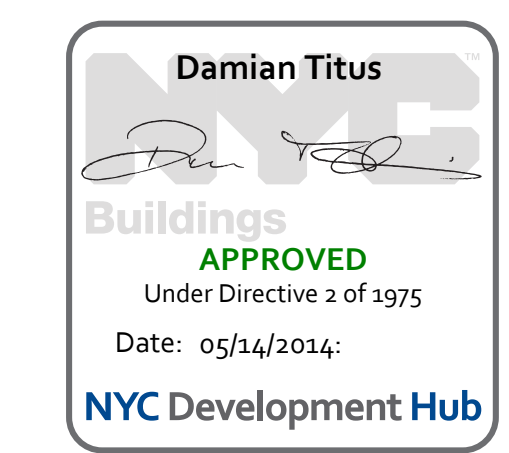
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Project No: N11330.00
Drawing Title: Author

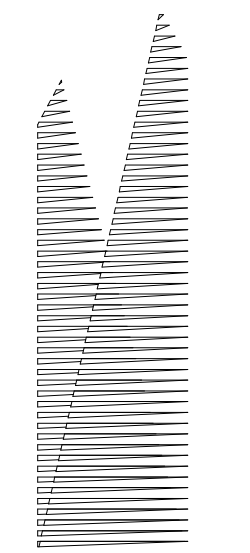
HYE - PL - S-276.00

ELEVATION AT GRID LINE 12

Drawing Number / BSC/D Drawing Number
S-276.00

SHEET 74 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

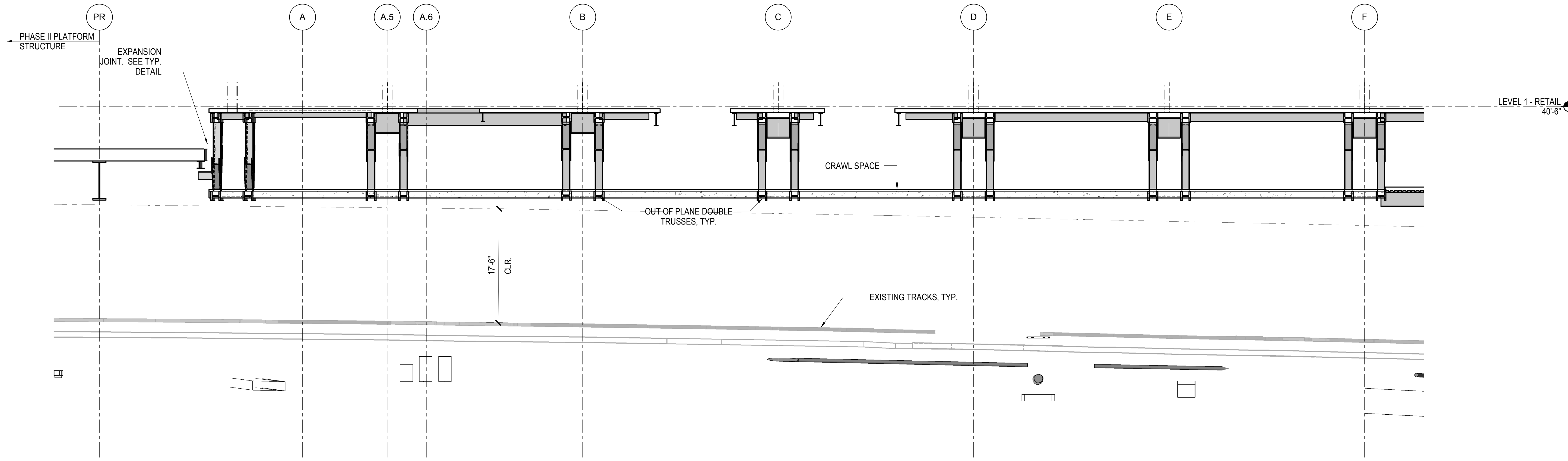
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

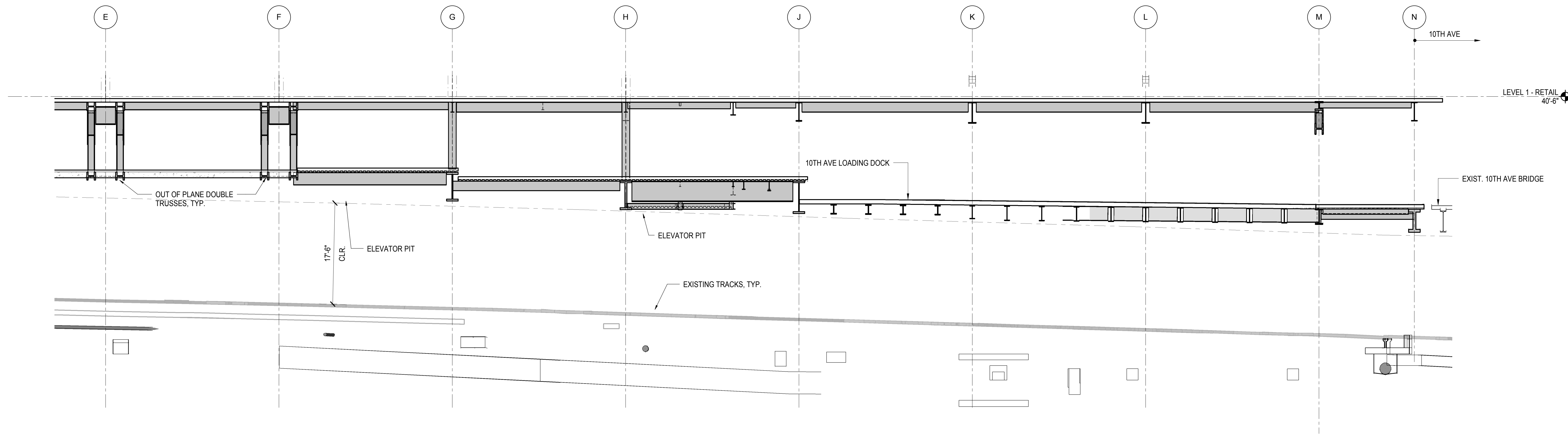
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID LINE 13
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 13
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

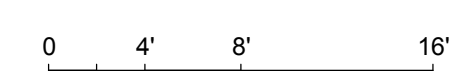
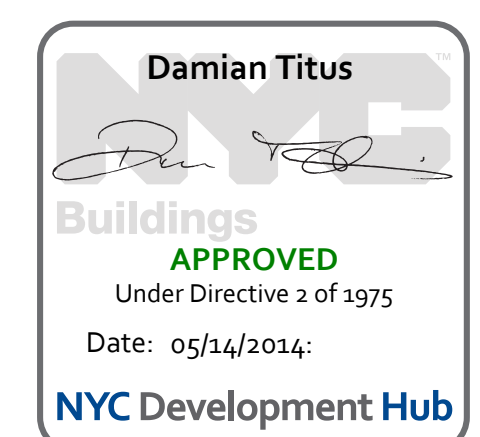
Rev. Plan

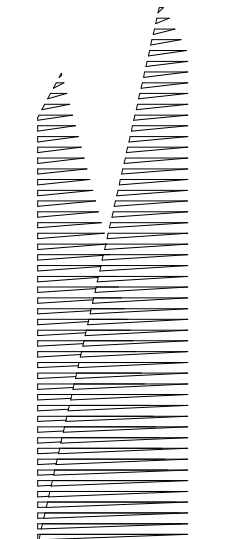
Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number:

HYE - PL - S-277.00

ELEVATION AT GRID LINE 13

Drawing Number / B/S/C/A/S Drawing Number
S-277.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

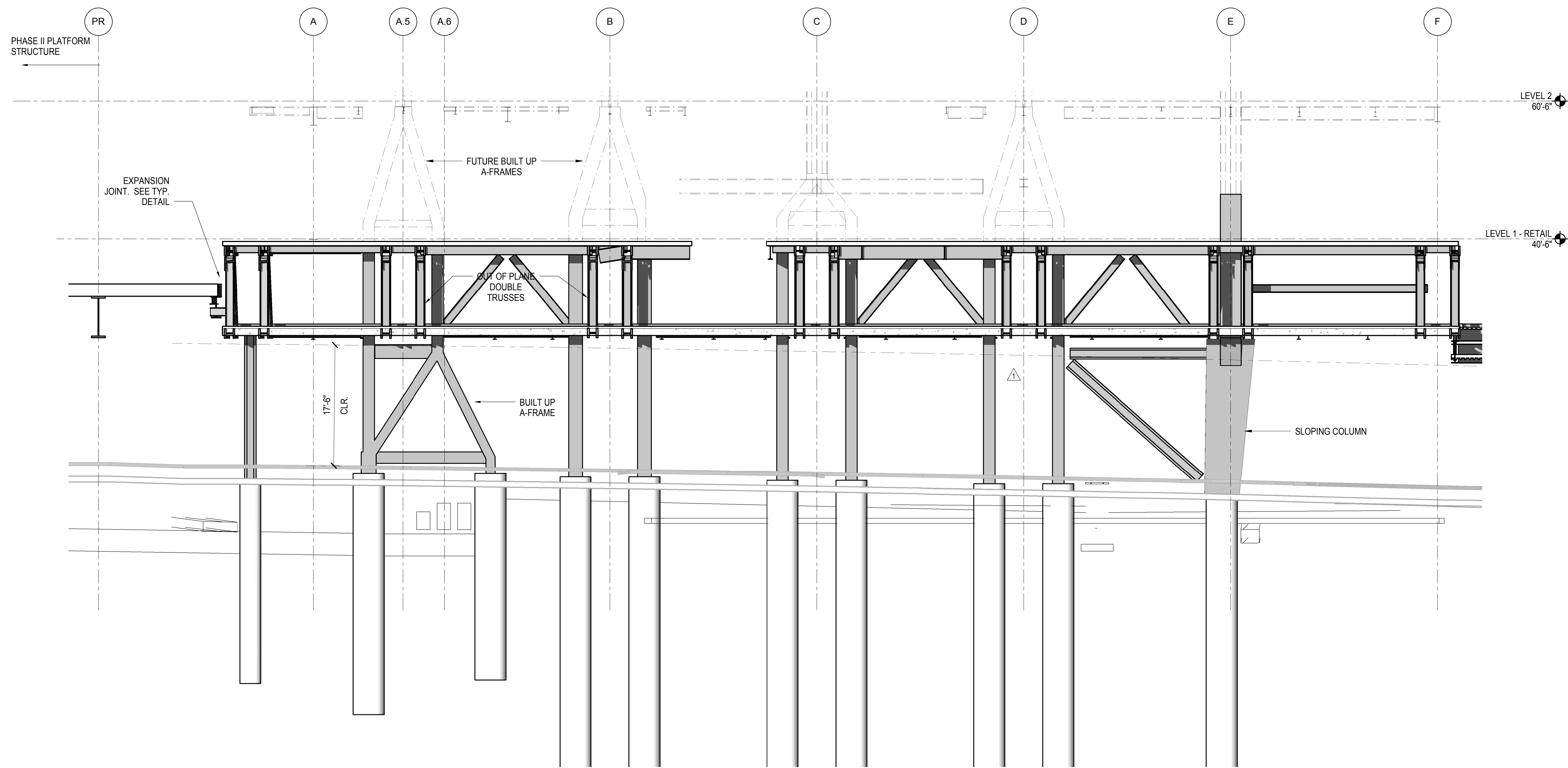
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

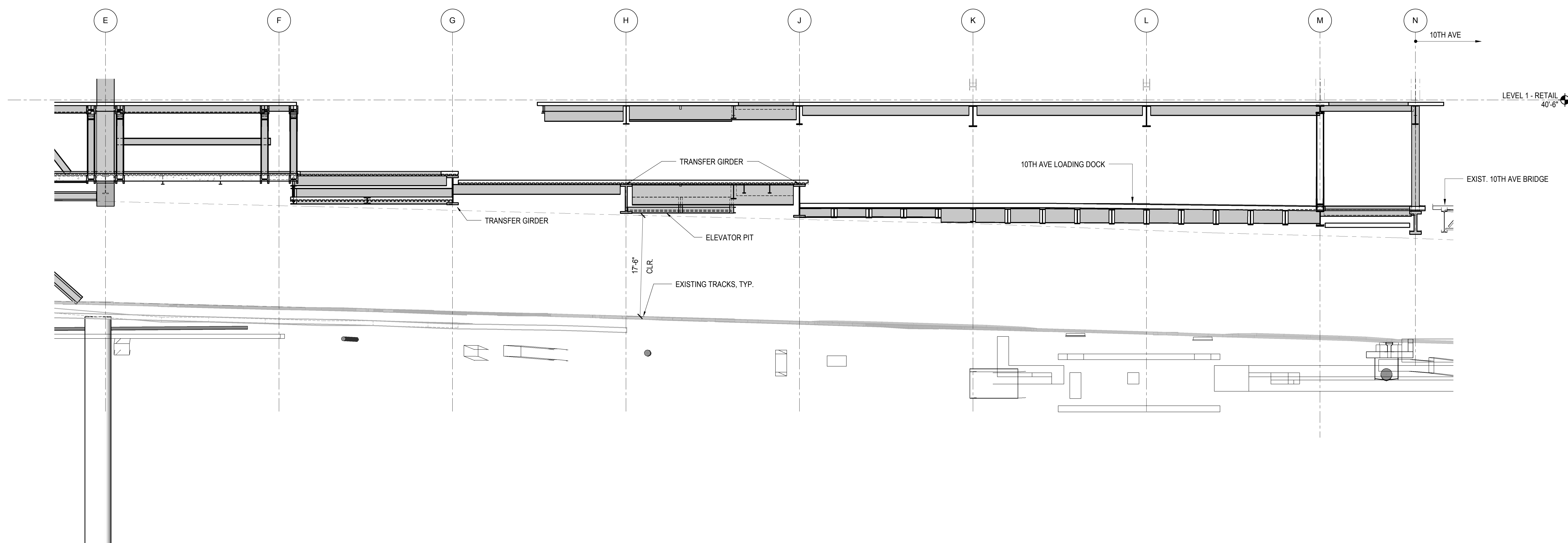
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



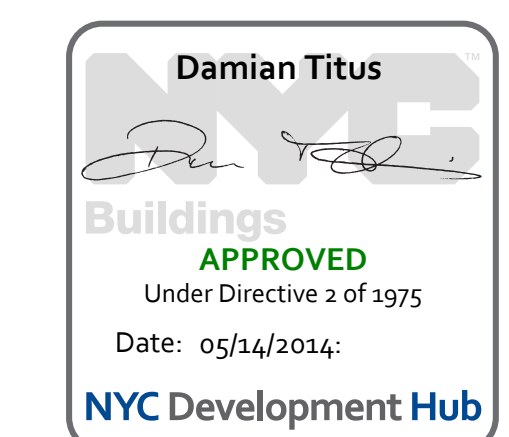
1 ELEVATION AT GRID LINE 13.5
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 13.5
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

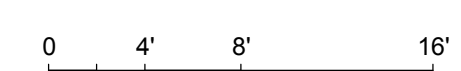
Rev. Plan

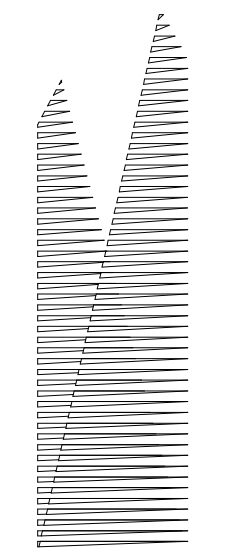


Date: 02/15/2013
Project No: N11330.00
Author: Author

HYE - PL - S-278.00
Drawing Title
ELEVATION AT GRID LINE 13.5

Drawing Number / B/S/C/S Drawing Number
S-278.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

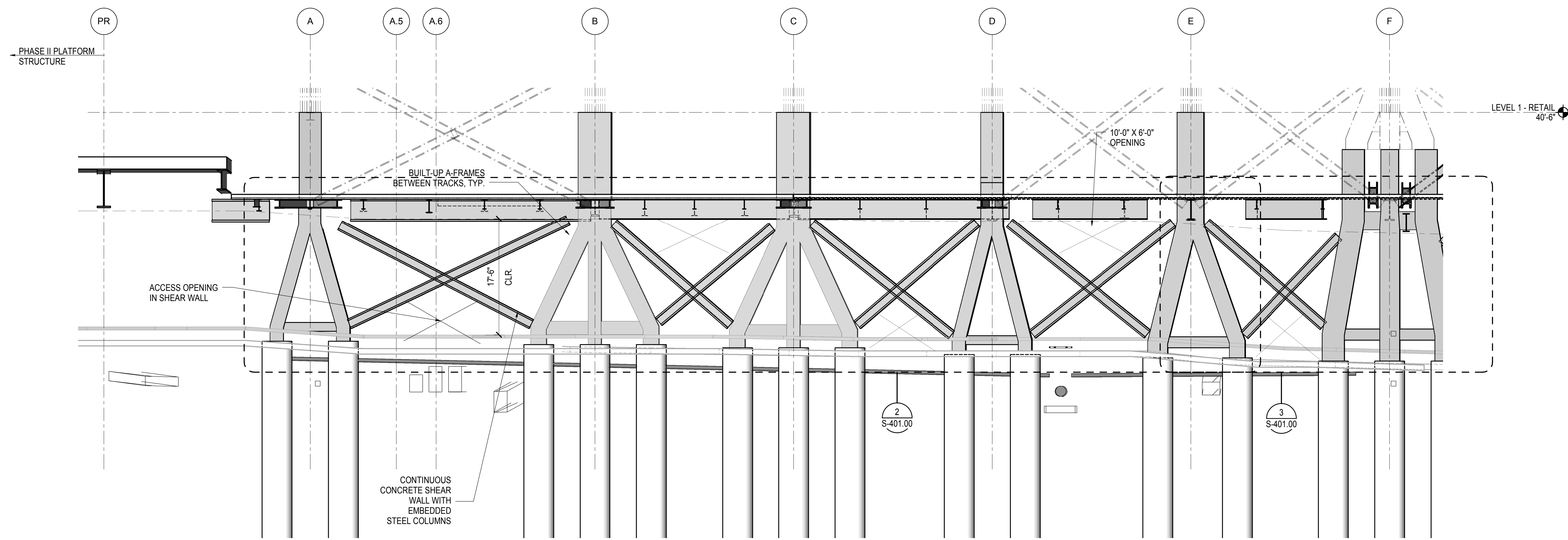
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

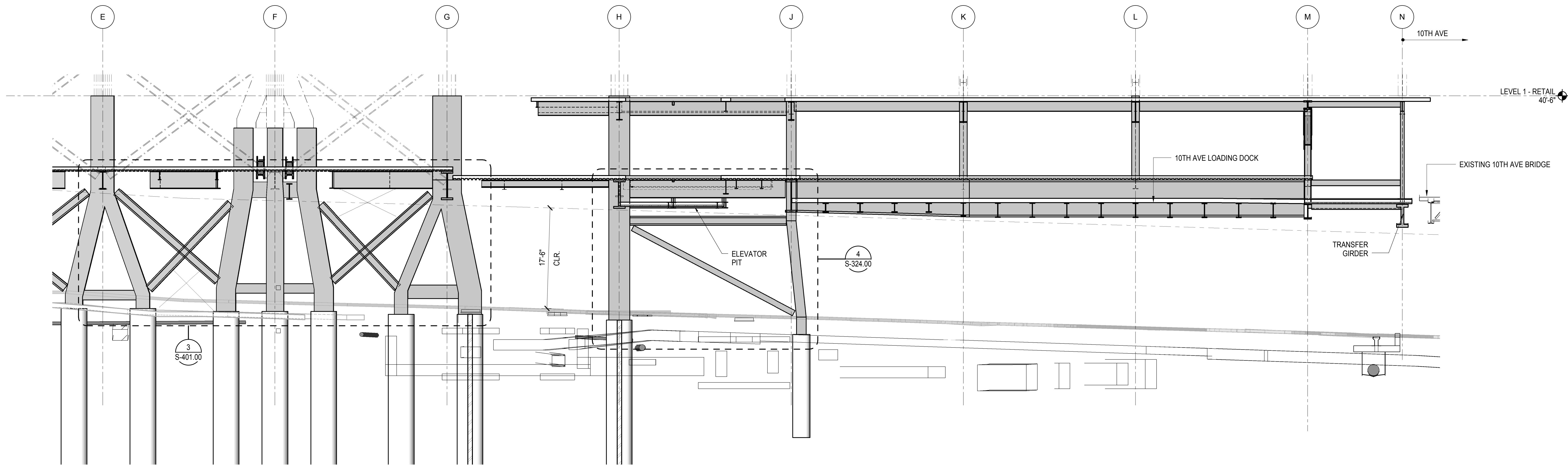
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



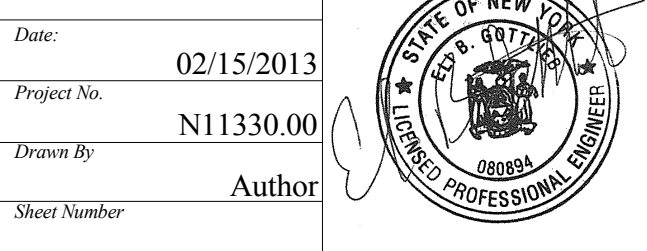
1 ELEVATION AT GRID LINE 14
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 14
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev Plot



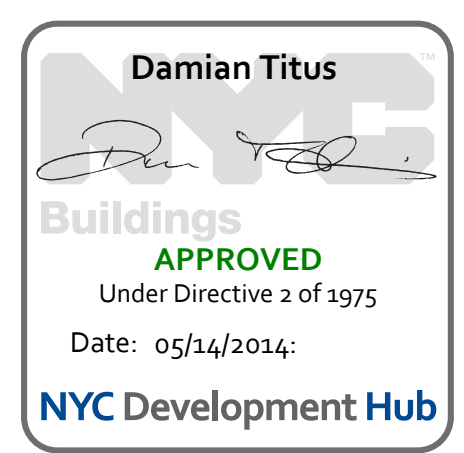
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Project No: N11330.00
Drawn By: Author
Sheet Number: Author

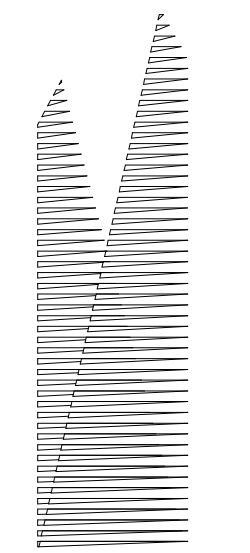
HYE - PL - S-279.00

ELEVATION AT GRID LINE 14

Drawing Number / B/S/C/S Drawing Number
S-279.00

SHEET 77 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

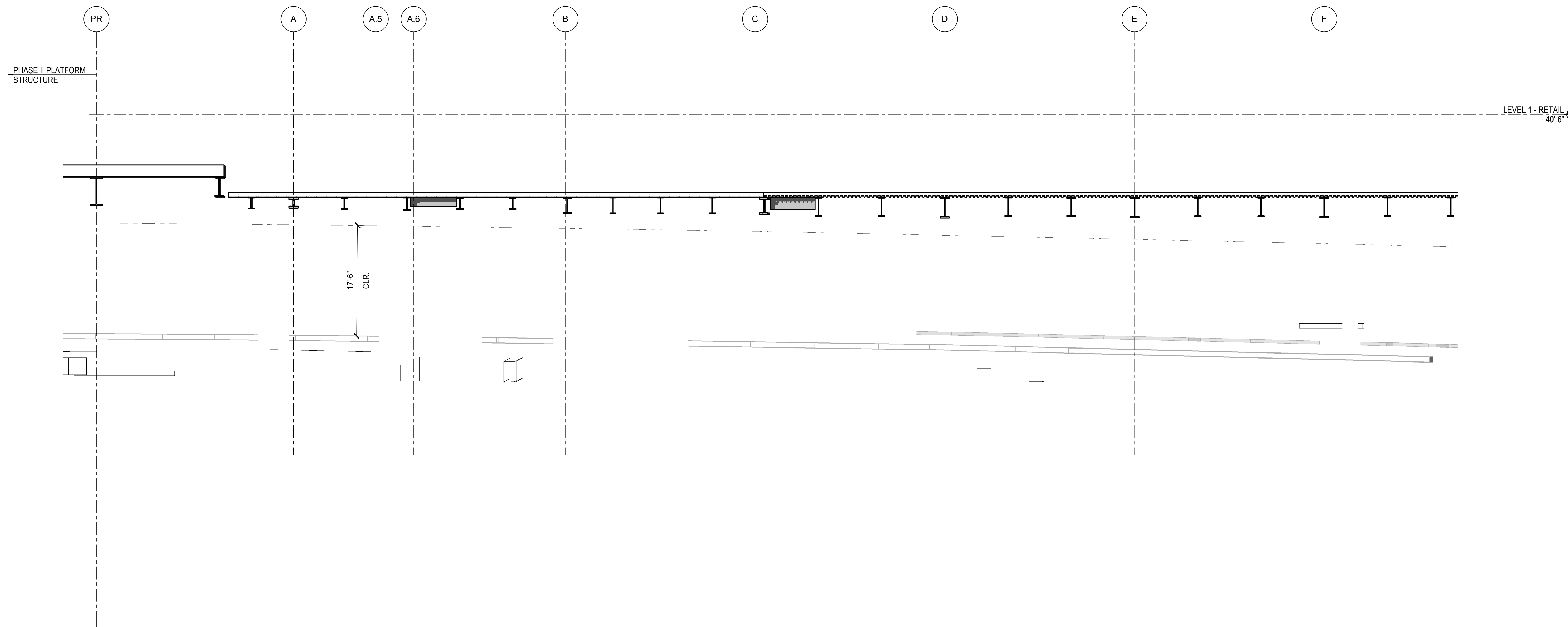
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

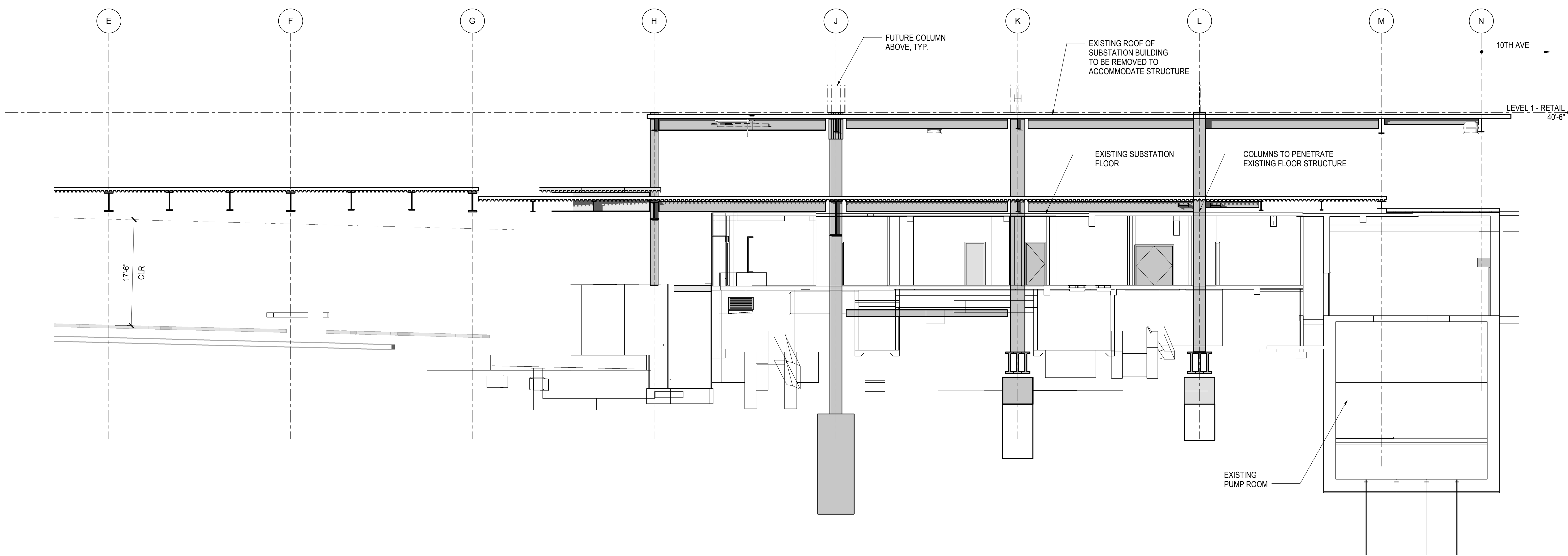
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



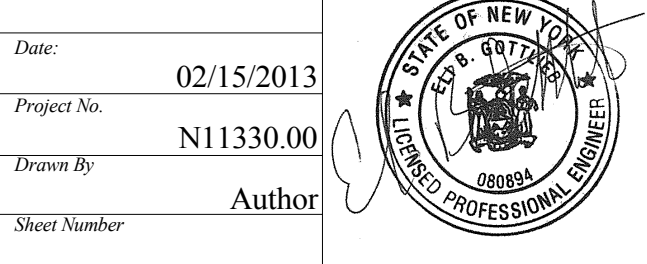
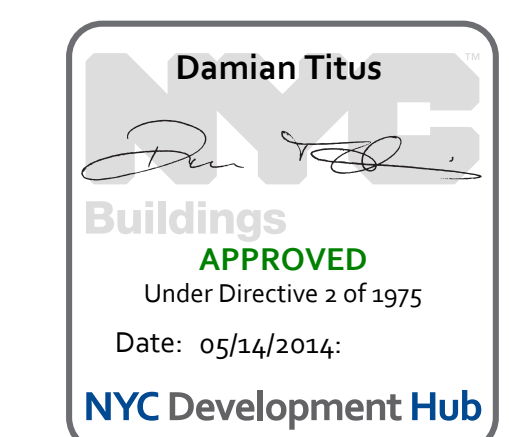
1 ELEVATION AT GRID 14.5
1/8" = 1'-0"



2 ELEVATION AT GRID 14.5
1/8" = 1'-0"

| | |
|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ, DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ, DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan



Date: 02/15/2013
Project No: N11330.00
Author: Author
Minor Number: Author

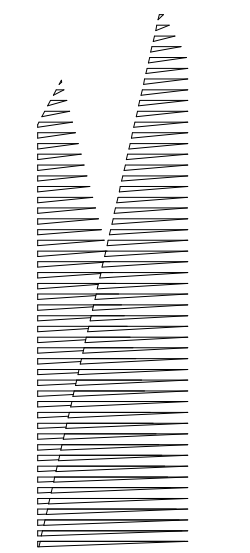
HYE - PL - S-280.00

ELEVATION AT GRID LINE 14.5

Drawing Number / B/S/C/S Drawing Number
S-280.00

SHEET 78 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

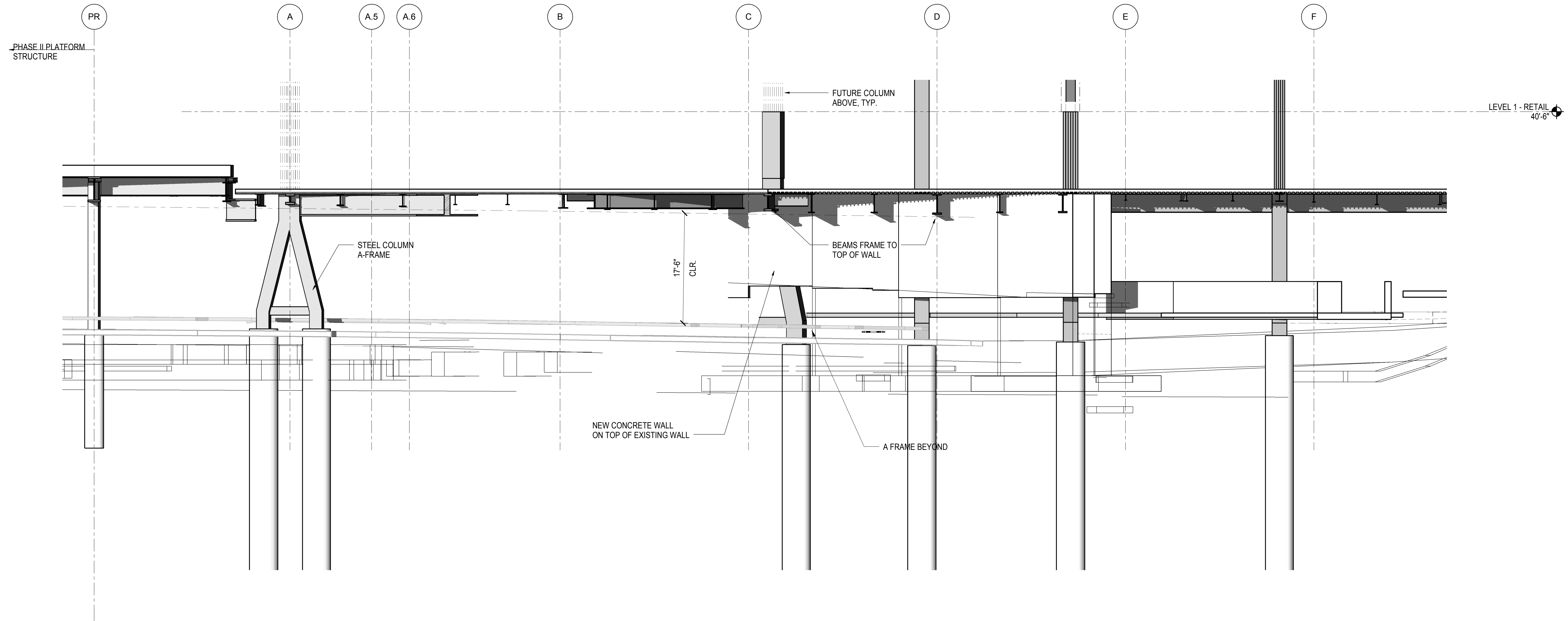
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

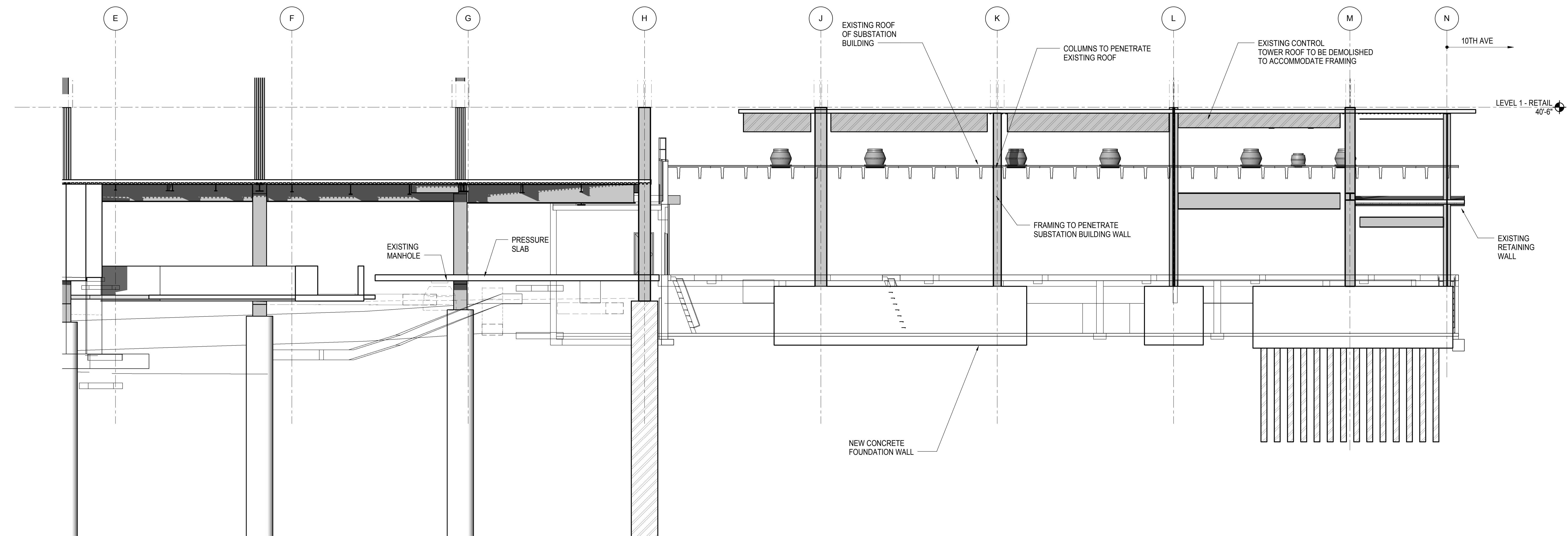
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 ELEVATION AT GRID 14.8
1/8" = 1'-0"



2 ELEVATION AT GRID 14.8
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% PHASE I FINIS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Description

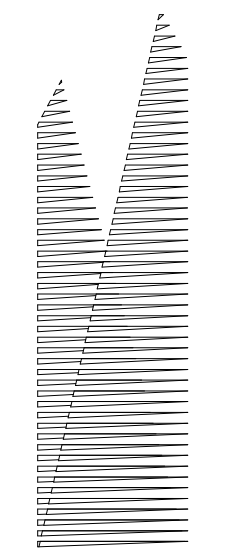


Date: 02/15/2013
Project No: N11330.00
Author: Author

HYE - PL - S-281.00
Drawing Title
ELEVATION AT GRID LINE 14.8

Drawing Number / B/S/C/S Drawing Number
S-281.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

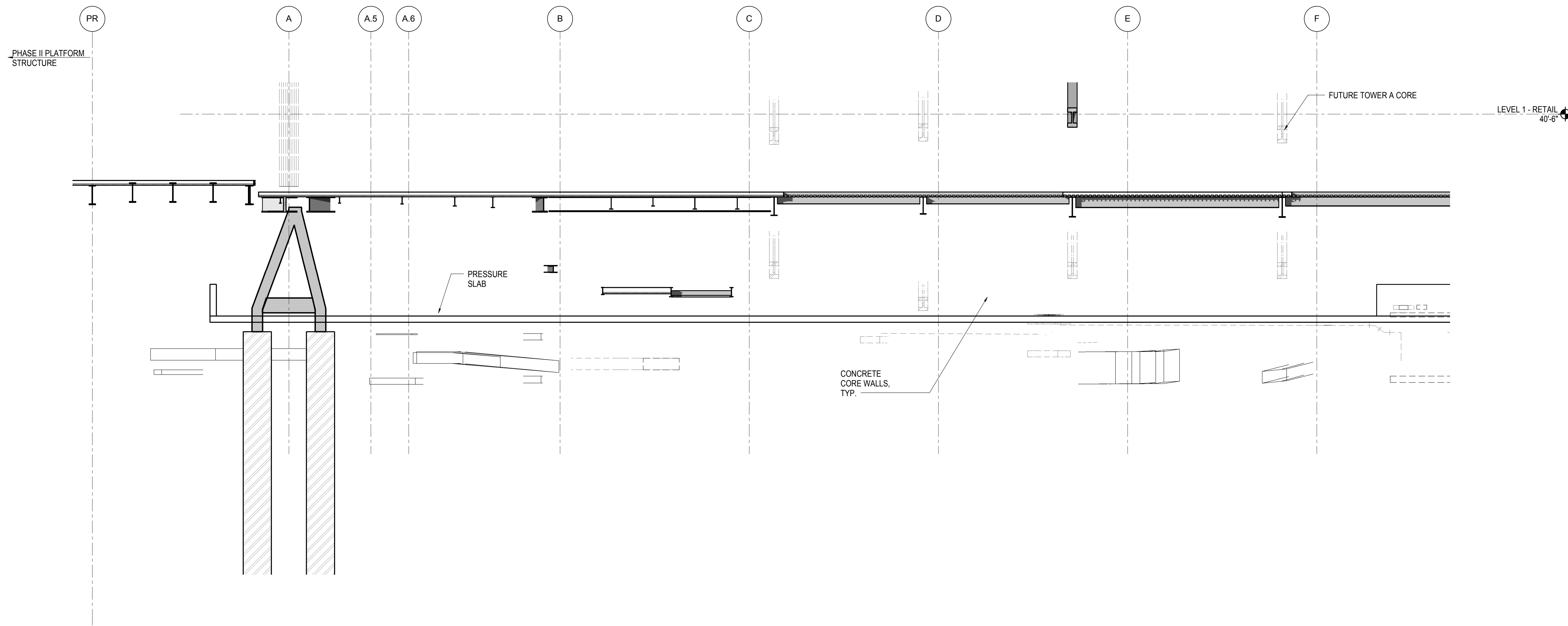
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

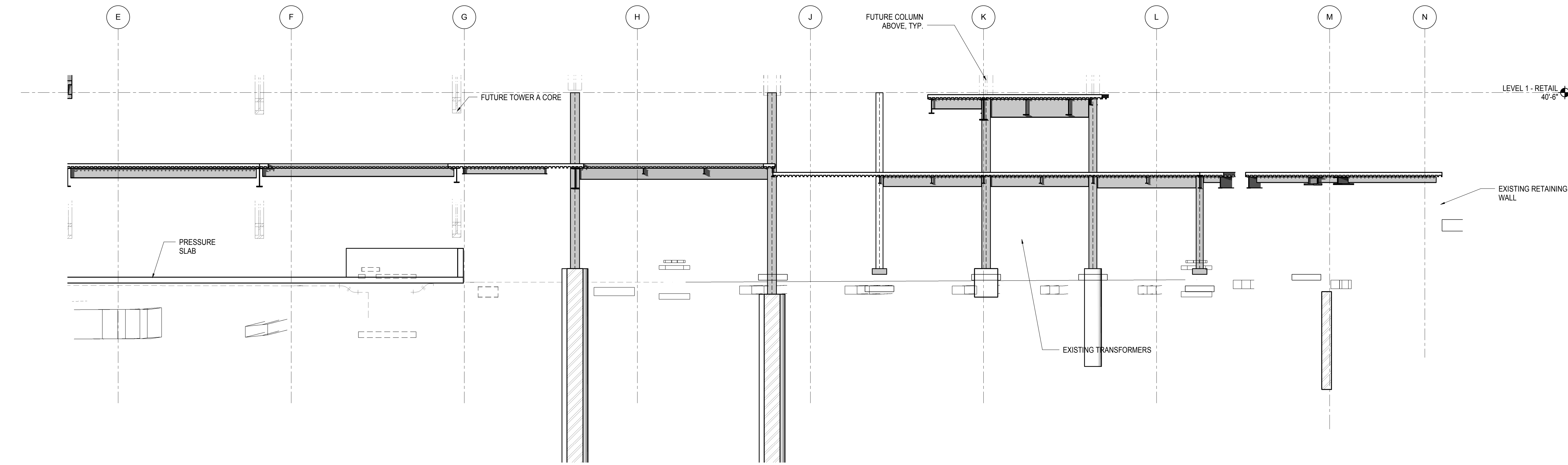
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



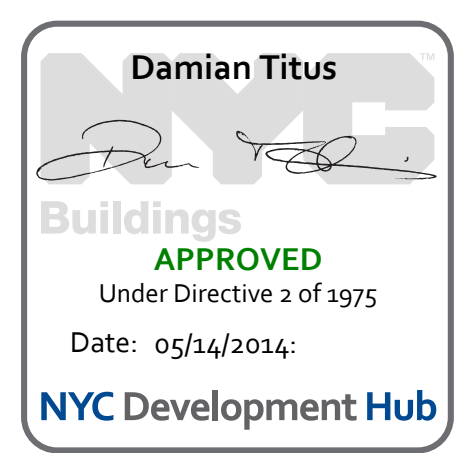
1 ELEVATION AT GRID LINE 16.5
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 16.5
1/8" = 1'-0"

| Rev | Description | Date |
|-----|-----------------------------------|------------|
| 1 | NYC DOB FILING | 12/4/2013 |
| 2 | L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| 3 | MEP PLATFORM SUBMISSION | |
| 4 | Δ, DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| 5 | NYC DOB FILING | 10/4/2013 |
| 6 | Δ, DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| 7 | LIRR - 90% SUBMISSION | 8/09/2013 |
| 8 | NYC DOB FILING | 6/17/2013 |
| 9 | LIRR - 60% SUBMISSION | 5/29/2013 |
| 10 | LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| 11 | LIRR - 30% SUBMISSION | 2/15/2013 |

Rev. Plan

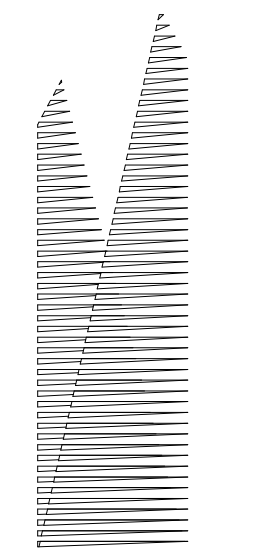


Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: 80

HYE - PL - S-282.00
Drawing Title
ELEVATION AT GRID LINE 16.5

Drawing Number / B/S/C/A/S Drawing Number
S-282.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

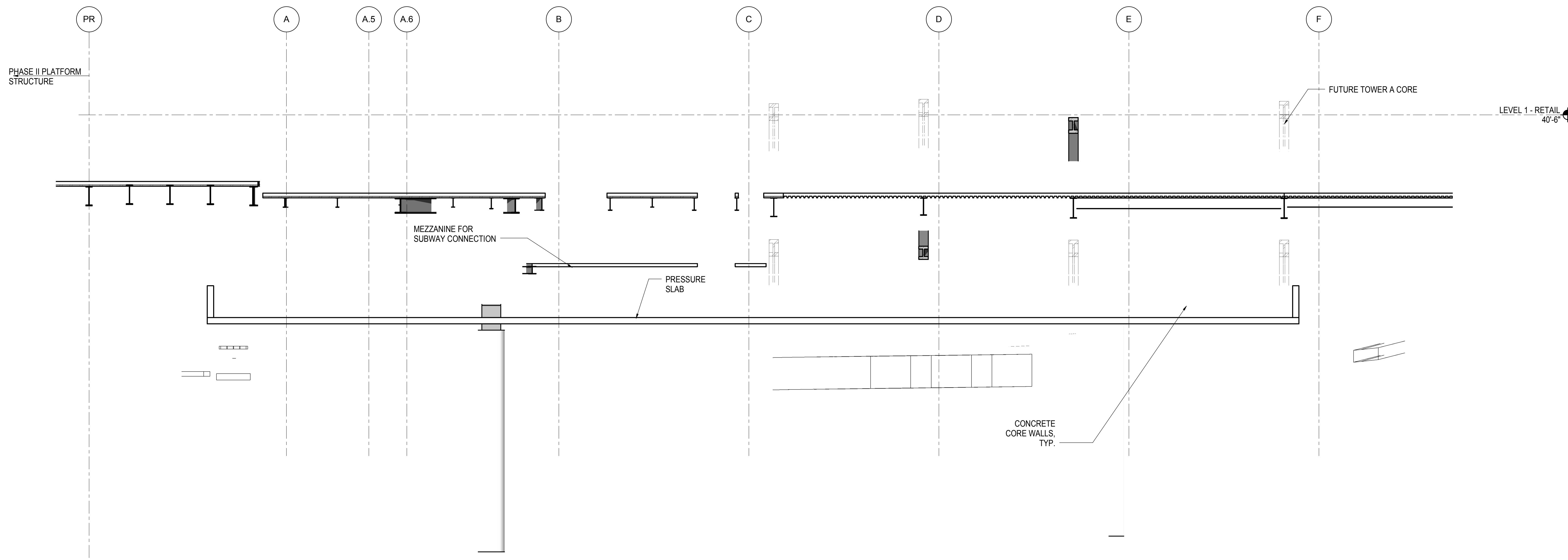
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

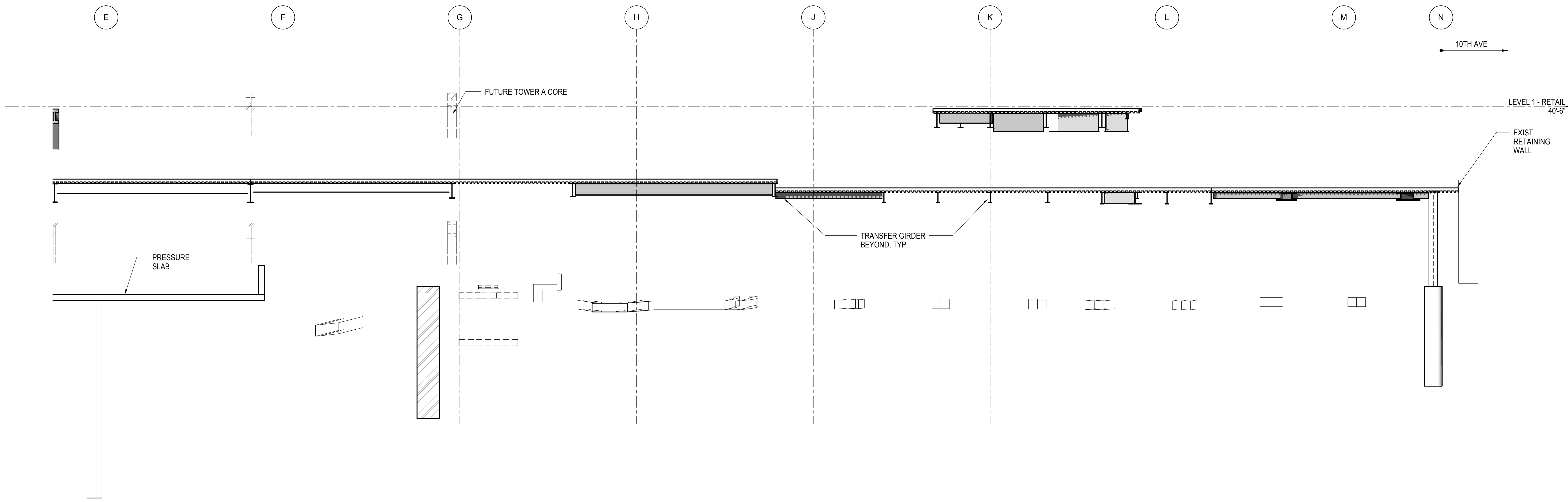
*Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group*
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



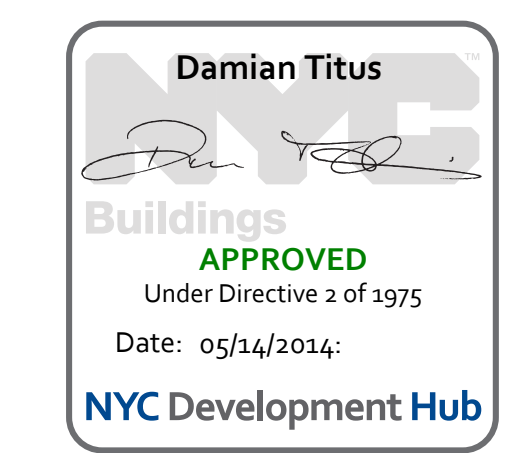
1 ELEVATION AT GRID 16.7
1/8" = 1'-0"



2 ELEVATION AT GRID 16.7
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan



Date: 02/15/2013
Project No: N11330.00
Author: Author

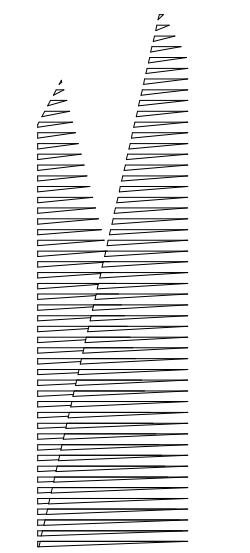
HYE - PL - S-283.00

**ELEVATION AT GRID
LINE 16.7**

Drawing Number / B/S/C/S Drawing Number
S-283.00

SHEET 81 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

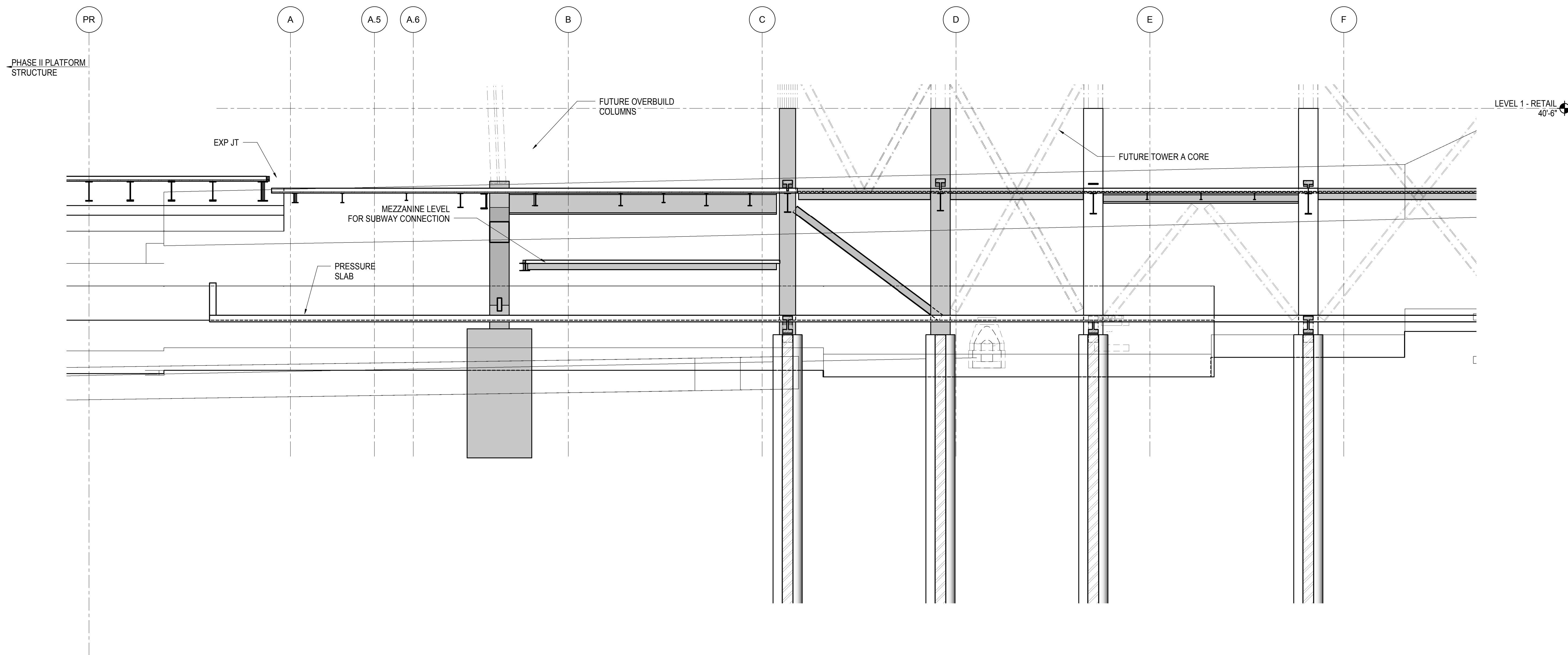
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

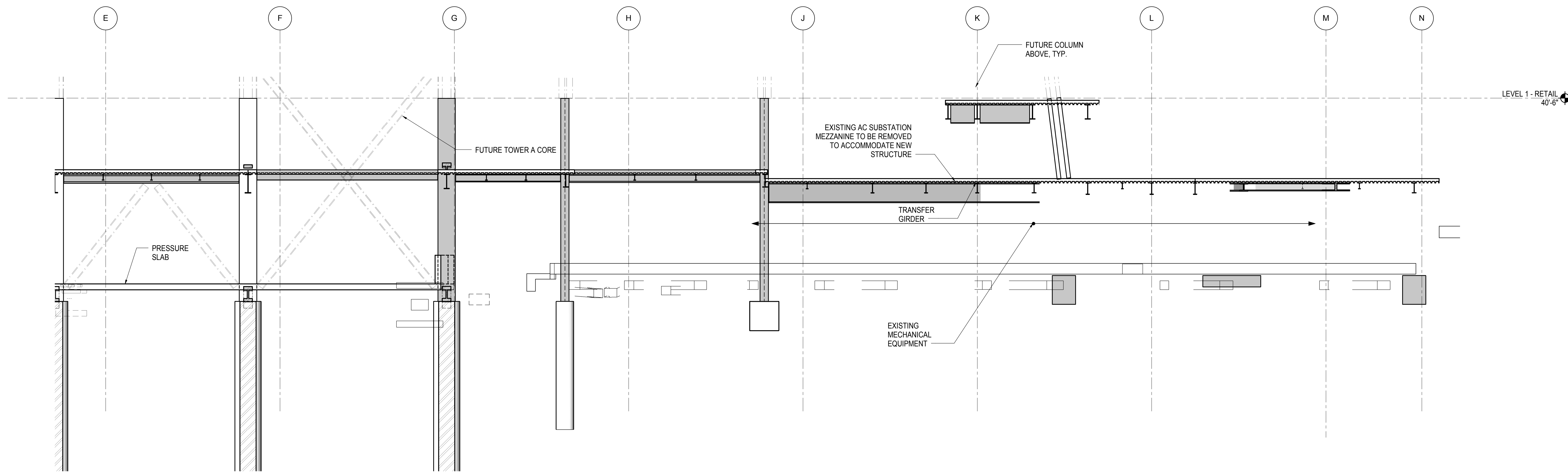
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



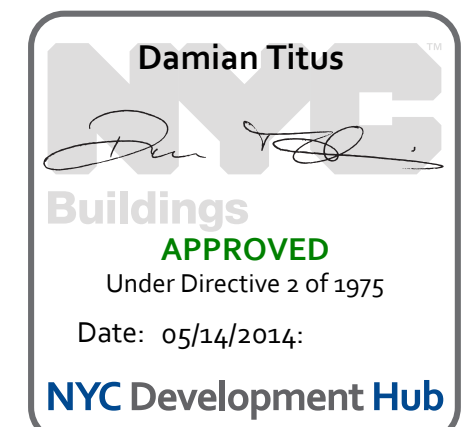
1 ELEVATION AT GRID 17
1/8" = 1'-0"



2 ELEVATION AT GRID LINE 17
1/8" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Plan



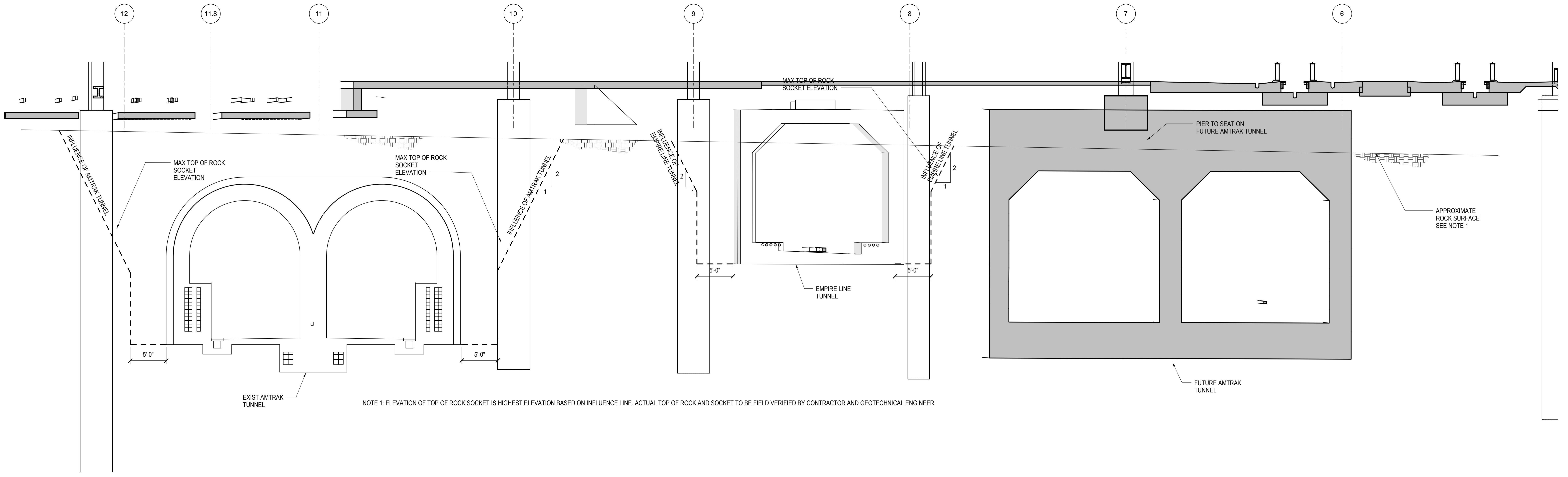
Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number:

HYE - PL - S-284.00

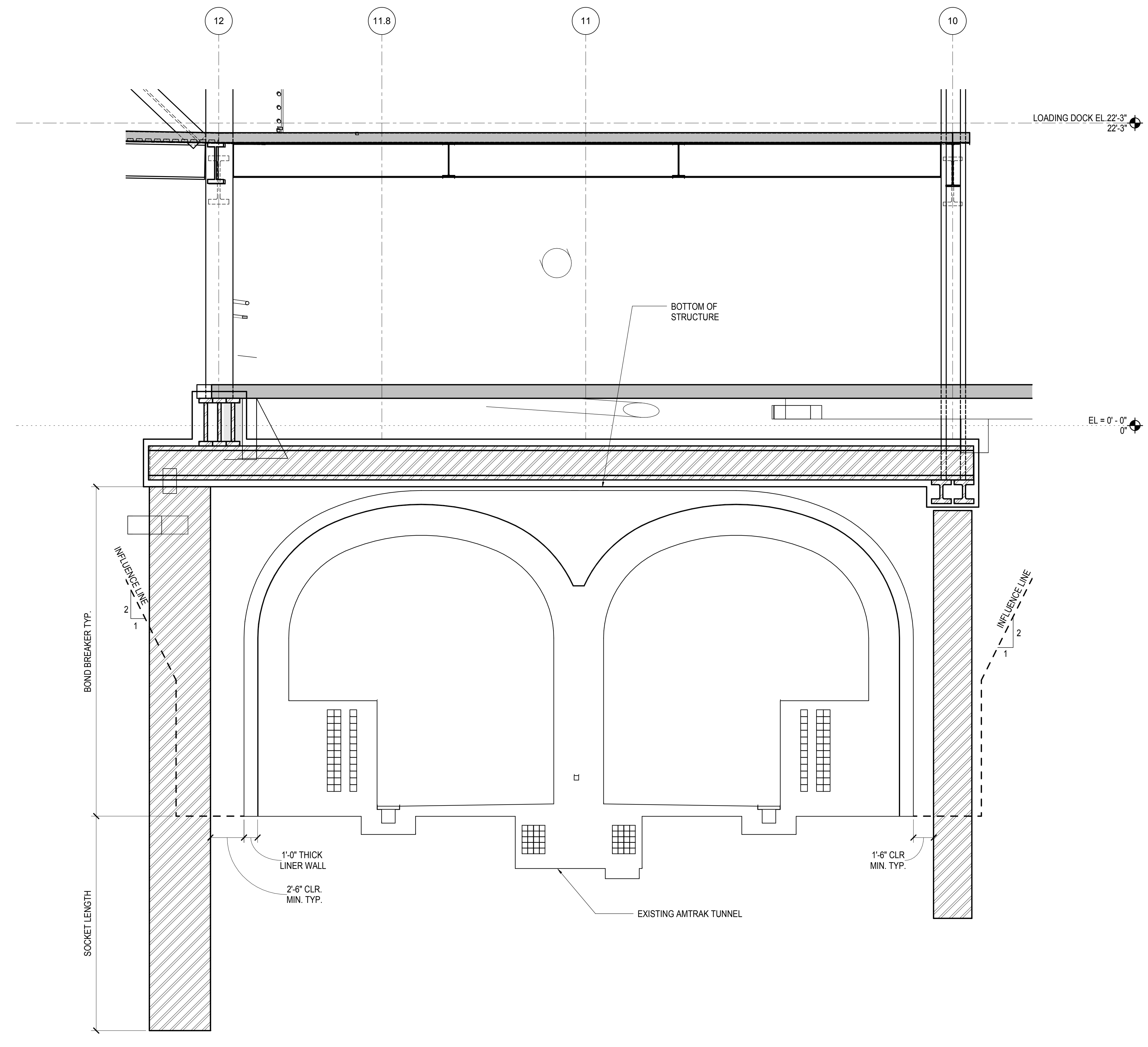
**ELEVATION AT GRID
LINE 17**

Drawing Number / B/S/C/A Drawing Number
S-284.00





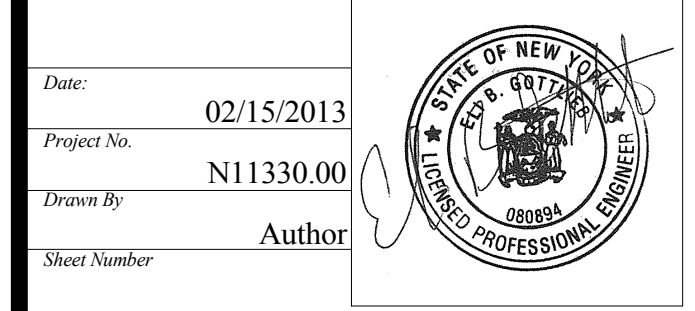
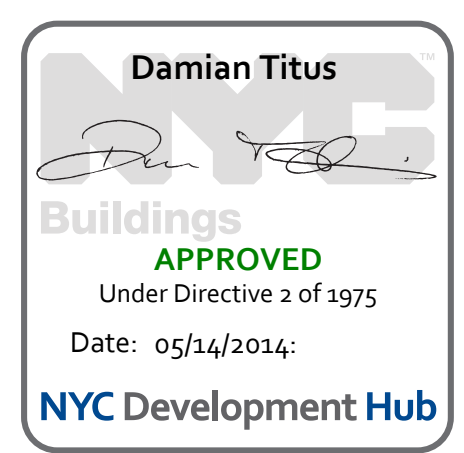
1 EAST PLATFORM FOUNDATION SECTION
3/16" = 1'-0"



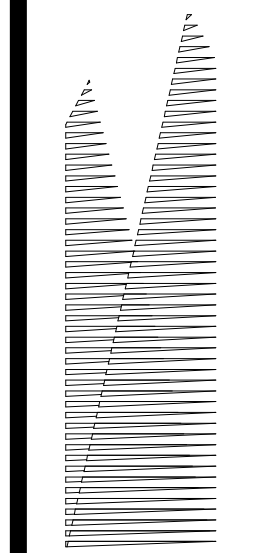
2 TYPICAL SECTION OVER EXIST. AMTRAK TUNNEL
1/4" = 1'-0"

| NYC DOB FILING | Date |
|------------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&E - PLATFORM SUBMISSION | 11/22/2013 |
| Δ - DL02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 2/15/2013 |

Rev. Plan



Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Issue Number: 0000000000
HYE - PL - S-290.00
Drawing Title:
EAST PLATFORM FOUNDATION SECTIONS



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

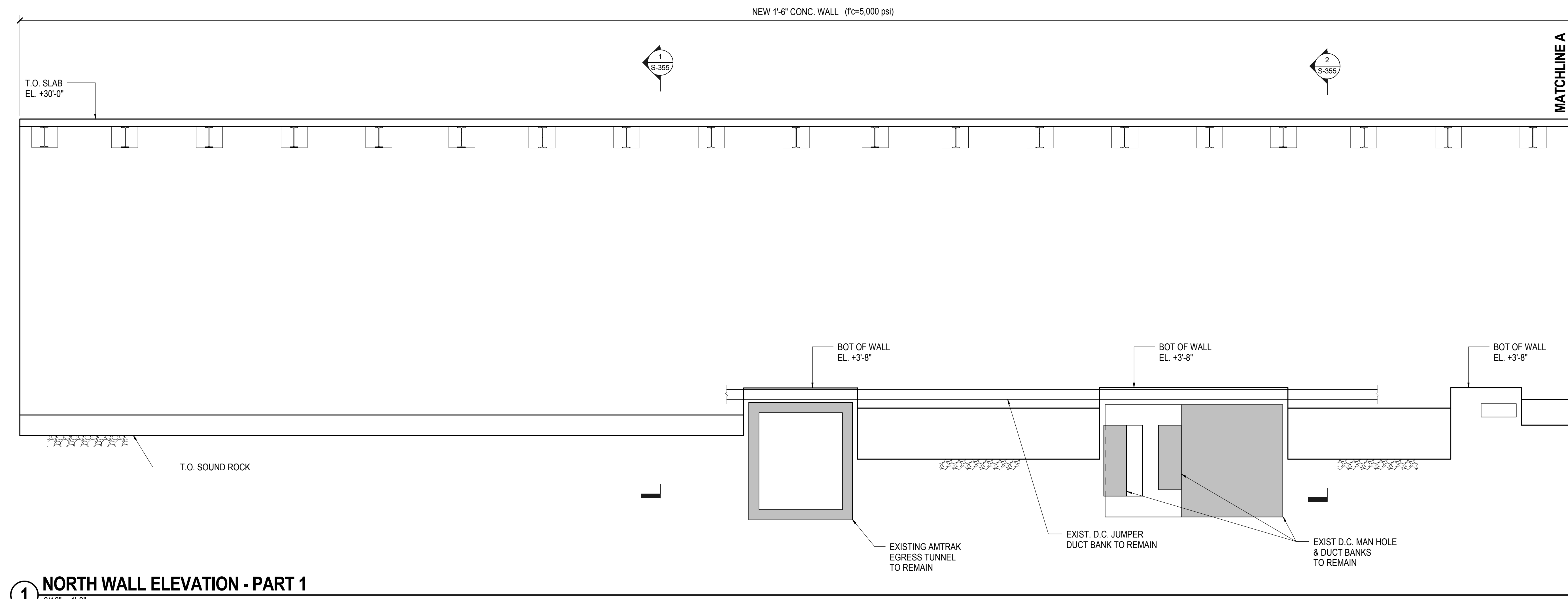
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
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Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

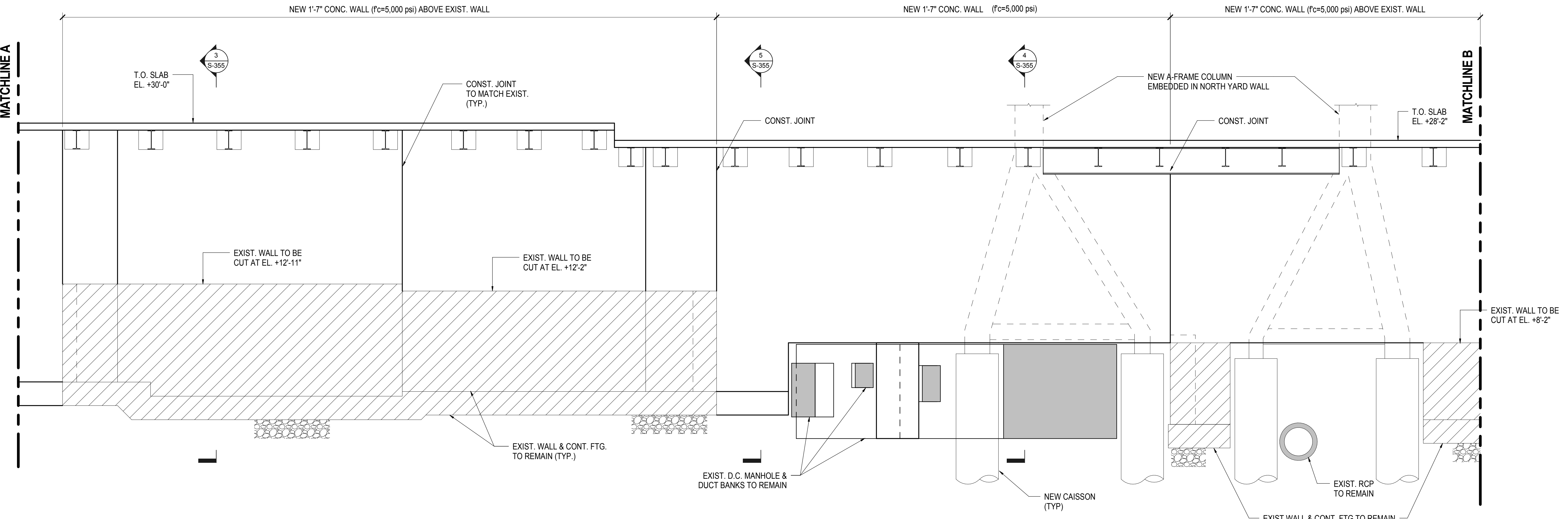
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



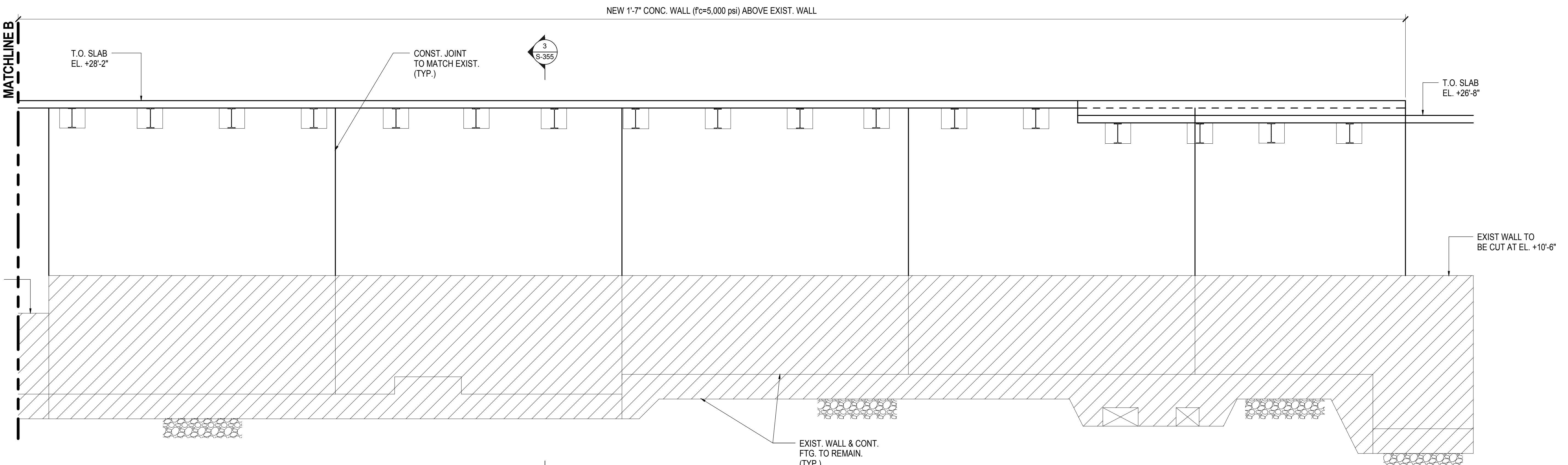
1 NORTH WALL ELEVATION - PART 1

3/16" = 1'-0"



2 NORTH WALL ELEVATION - PART 2

3/16" = 1'-0"

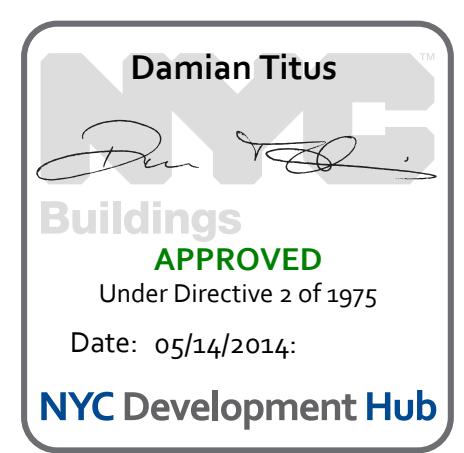


3 NORTH WALL ELEVATION - PART 3

3/16" = 1'-0"

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. PLATFORM SUBMISSION | |
| A. D-I-D PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. D-I-D PHASE I STRUCTURE UPDATE | 9/20/2013 |
| Rev | Description |

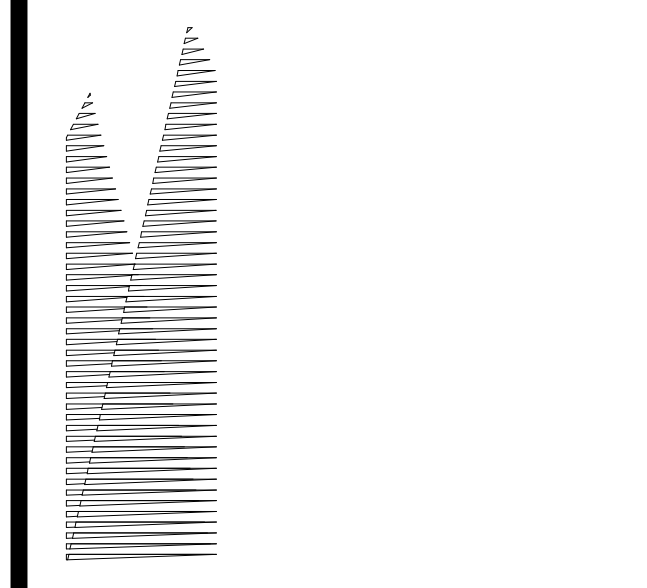
Rev



Date: 09/20/2013
Project No: N11330.00
Drawing No: Author
Sheet Number

HYE -PL -S-291.00
NORTH YARD WALL ELEVATION

Drawing Number / B/S/C/N Drawing Number
S-291.00



Client
 Related Companies
 60 Columbus Circle
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Owned Properties Group
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 New York, NY 10022
 Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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 100 Park Avenue, 5th Floor
 New York, NY 10017
 Tel: 212.708.3600

Architect
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 PC Architects & Planning Consultants
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Structural Engineer
 Thornton Tomasetti, Inc.
 51 Madison Avenue
 New York, NY 10010
 Tel: 917.661.7800 Fax: 718.661.7801

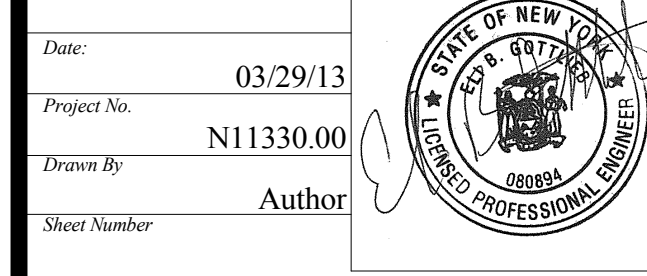
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
 Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
 Ove Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 Tel: 212.896.3000

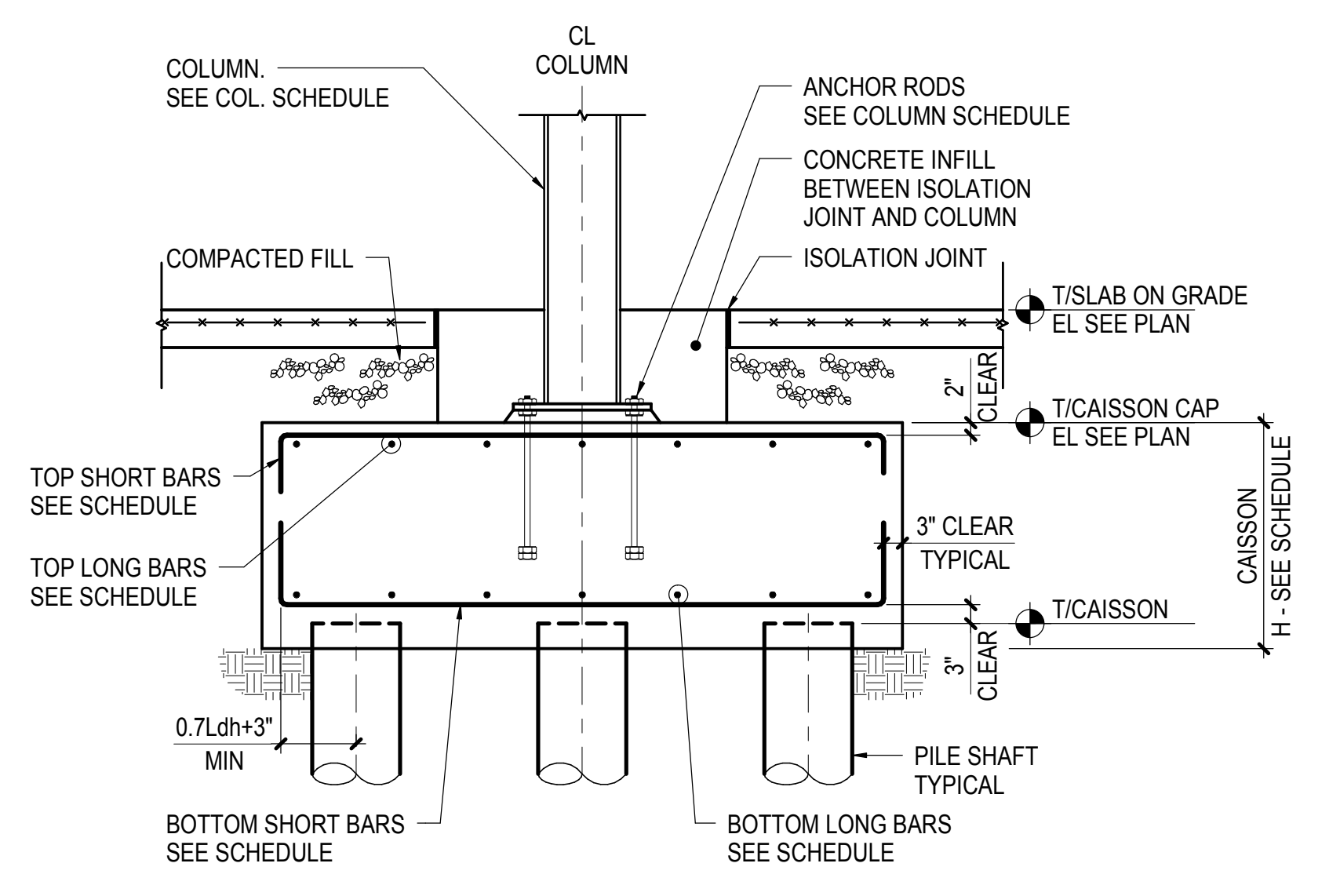
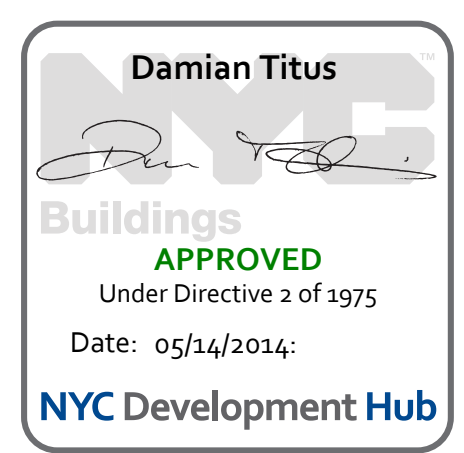
LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 Tel: 212.973.9200 Fax: 212.682.6172

| NYC DOB FILING | Date |
|----------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. PLATFORM SUBMISSION | 11/22/2013 |
| DESIGN PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DESIGN PHASE I STRUCTURE UPDATE | 9/30/2013 |
| LIRR - 30% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| FILING FOR FOUNDATIONS | 5/28/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |

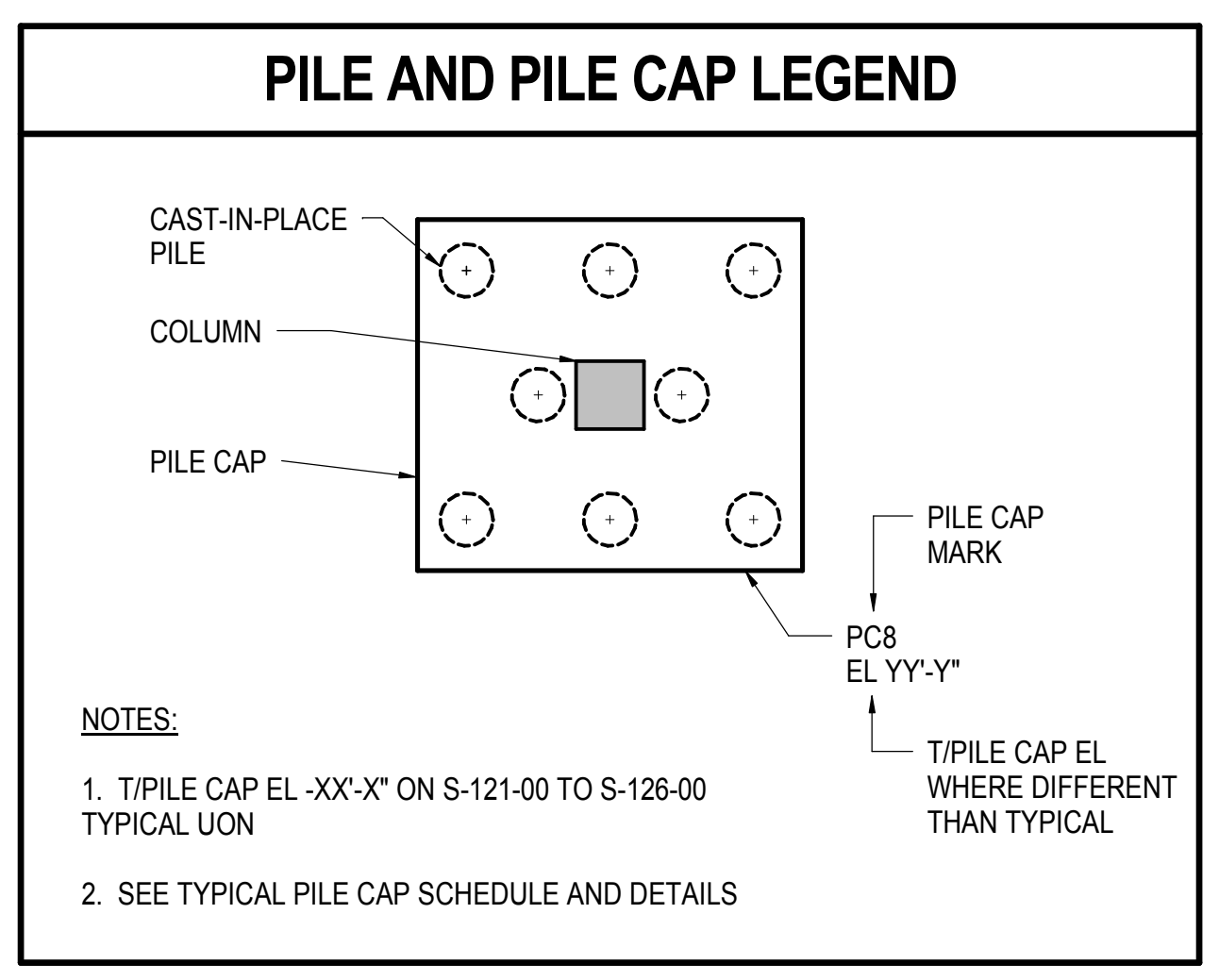
Rev. Plan Description Date



Date: 03/29/13
 Project No: N11330.00
 Drawn By: Author
 Sheet Number: HYE-PL-S-304.00
 Drawing Title: PILE CAP DETAILS & SCHEDULE



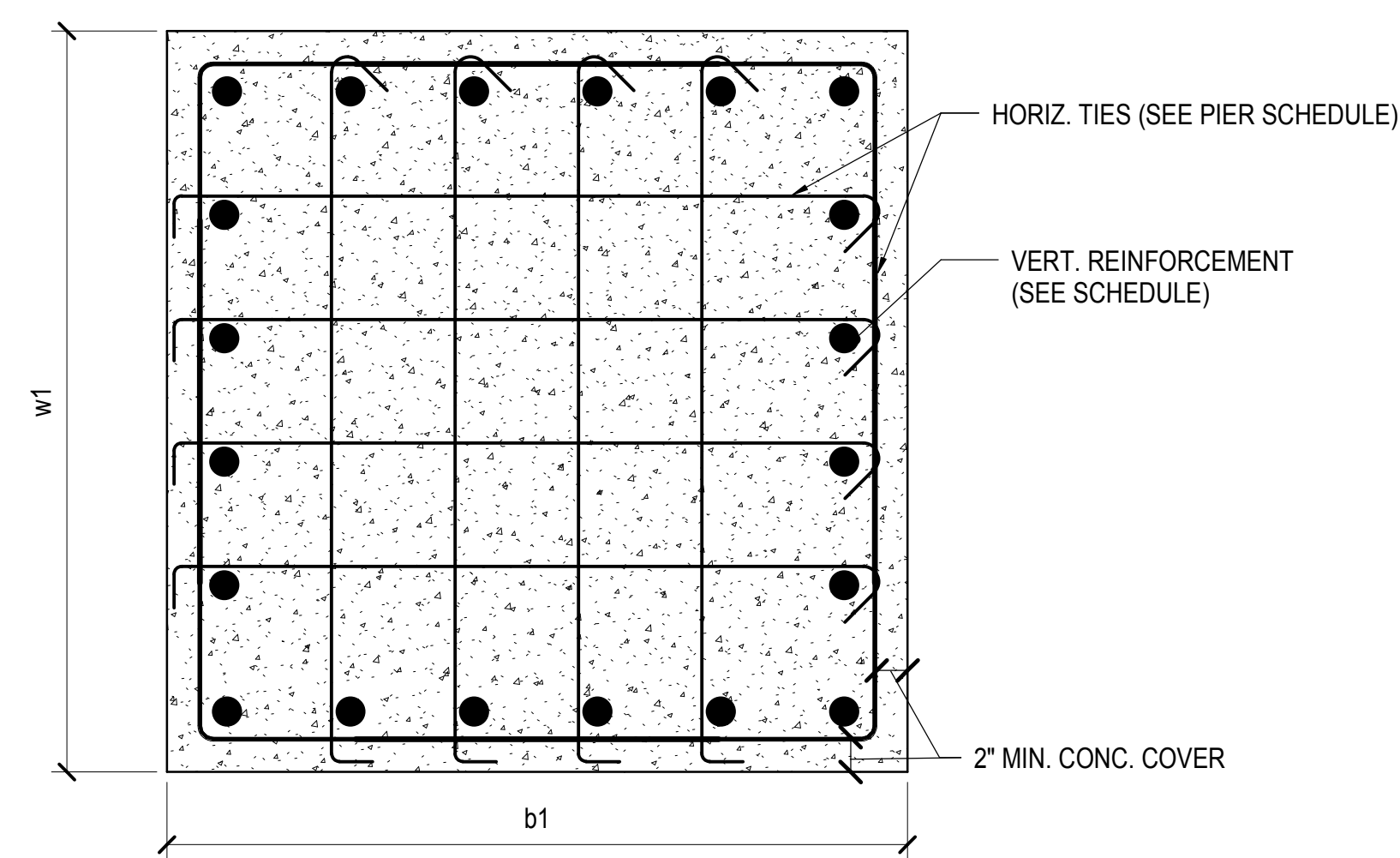
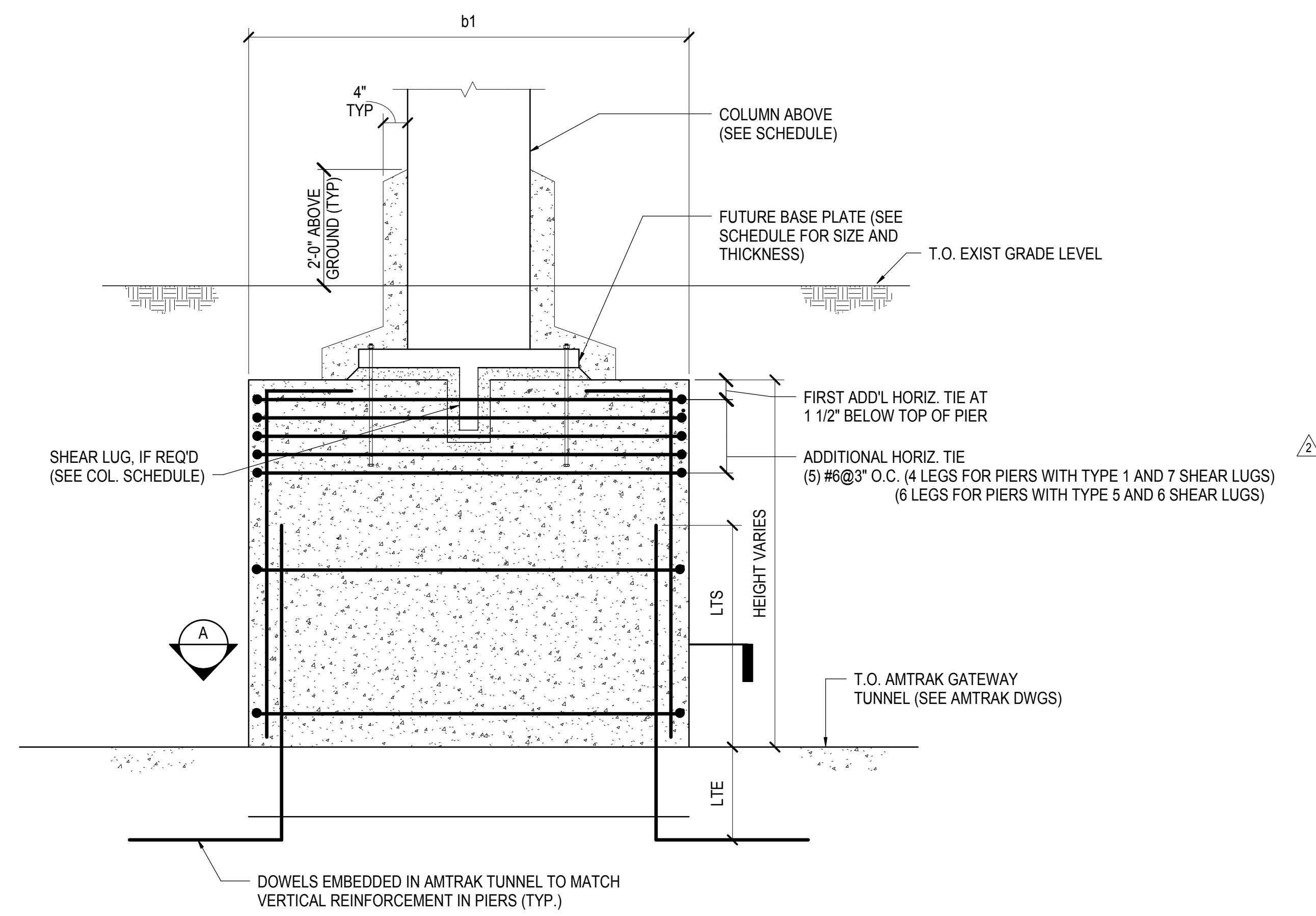
1 TYPICAL CAST-IN-PLACE PILE CAP SECTION - STEEL COLUMN
 NOT TO SCALE



2 PILE AND PILE CAP LEGEND
 NOT TO SCALE

| PILE CAP MARK | PILE TYPE | H (IN) | L (IN) | W (IN) | S (IN) | REINFORCEMENT | | | | REMARKS |
|---------------|-----------|--------|--------|--------|--------|------------------|-------------------|---------------|----------------|-----------------------|
| | | | | | | BOTTOM LONG BARS | BOTTOM SHORT BARS | TOP LONG BARS | TOP SHORT BARS | |
| PC3 | C1-1 | 48 | 66 | 62 | 38 | | | | | SEE DETAIL FOR LAYOUT |
| PC4 | C1-1 | 48 | 52 | 52 | 24 | | | | | |
| PC8 | C1-1 | 48 | 100 | 52 | 24 | | | | | |

3 PILE CAP SCHEDULE
 NOT TO SCALE

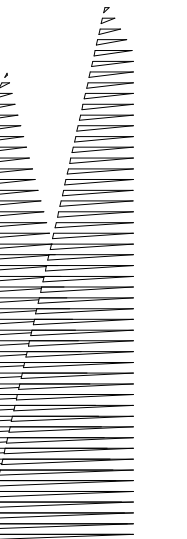


SECTION A

1 PIER OVER FUTURE AMTRAK TUNNEL - TYPE A
3/4\"/>

| PIER OVER AMTRAK TUNNEL SCHEDULE | | | | |
|----------------------------------|-------|--------|------------------------|-----------------|
| PIER TYPE | b1 | w1 | REINFORCEMENT | REMARKS |
| PIER - A1 | 4'-0" | 4'-0" | 20- #11, #4 TIES @12" | 10-KSI CONCRETE |
| PIER - A2 | 6'-0" | 6'-0" | 36- #11, #4 TIES @12" | 10-KSI CONCRETE |
| PIER - A3 | 4'-0" | 10'-0" | 40- #11, #4 TIES @12" | 10-KSI CONCRETE |
| PIER - A4 | 6'-0" | 10'-0" | 56- #11, #4 TIES @12" | 10-KSI CONCRETE |
| PIER - A5 | 7'-6" | 4'-6" | 36- #11, #4 TIES @12" | 10-KSI CONCRETE |
| PIER - D | 2'-0" | 2'-0" | 8- #8, #3 TIES @10\"/> | |

PIER SCHEDULE
NOT TO SCALE



Client
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60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
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320 Park Avenue, 17th Floor
New York, NY 10022
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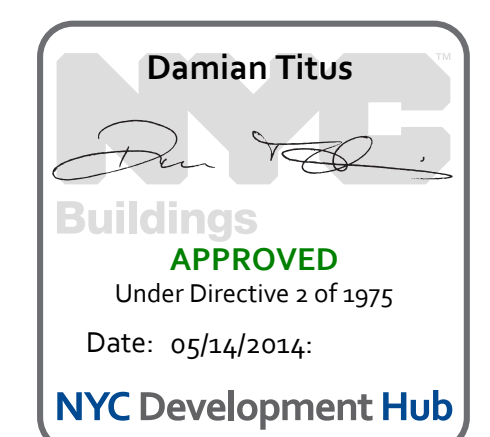
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| Rev | Description | Date |
|-----|--------------------------------|------------|
| 1 | NYC DOB FILING | 12/4/2013 |
| 2 | L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| 3 | Mod. PLATFORM SUBMISSION | |
| 4 | DEIG PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| 5 | NYC DOB FILING | 10/4/2013 |
| 6 | DEIG PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| 7 | LIRR - 50% SUBMISSION | 8/29/2013 |
| 8 | NYC DOB FILING | 6/17/2013 |
| 9 | LIRR - 60% SUBMISSION | 5/29/2013 |
| 10 | FILED FOR FOUNDATIONS | 5/28/2013 |
| 11 | LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| 12 | LIRR - 30% SUBMISSION | 2/15/2013 |

Rev. Description Date



Date: 03/29/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: Author

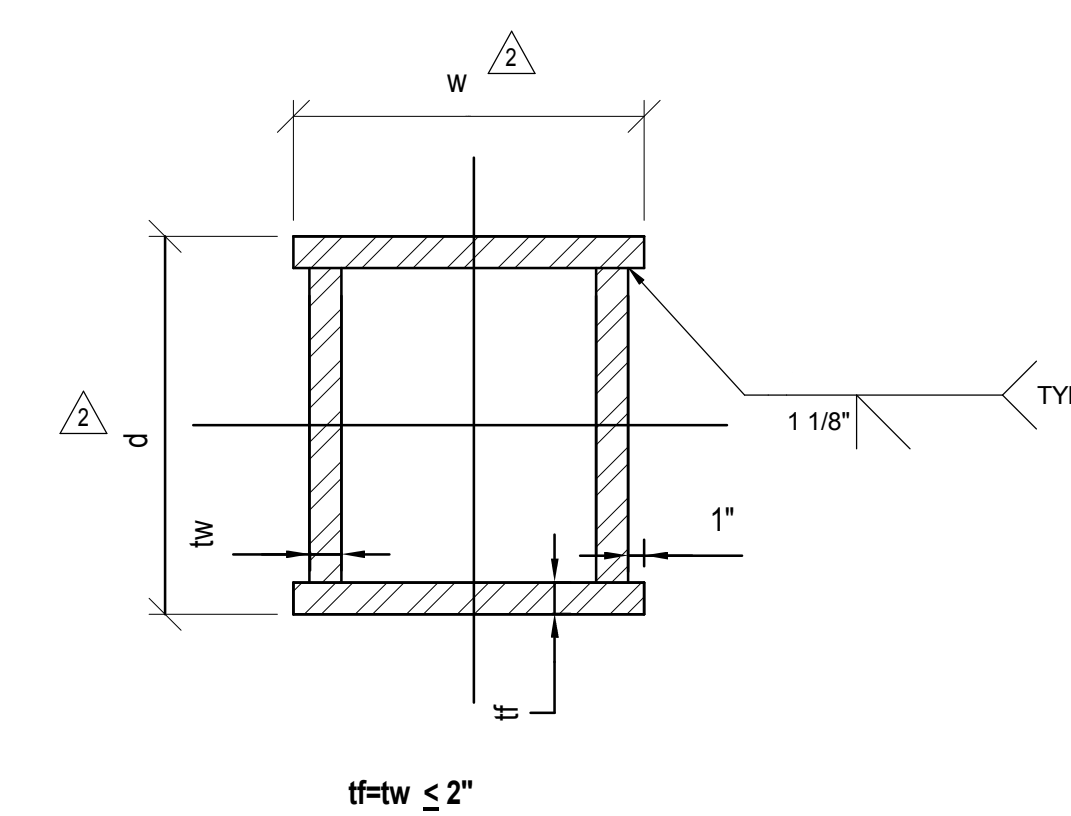
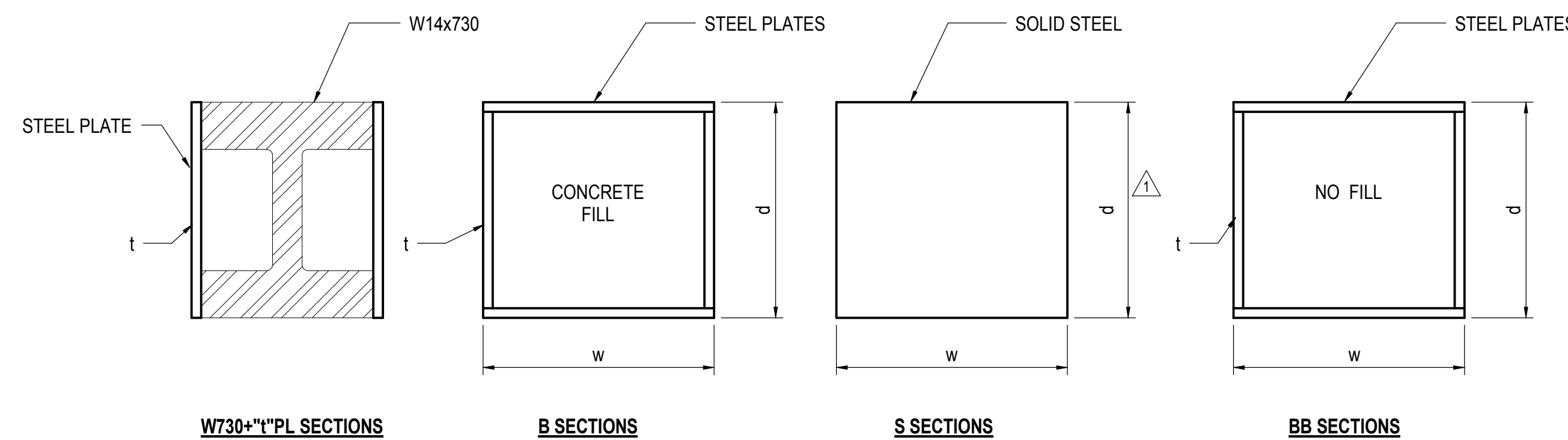
HYE - PL -S-305.00
Drawing Title
PIER DETAILS & SCHEDULES

Drawing Number / B/S/C/S Drawing Number
S-305.00

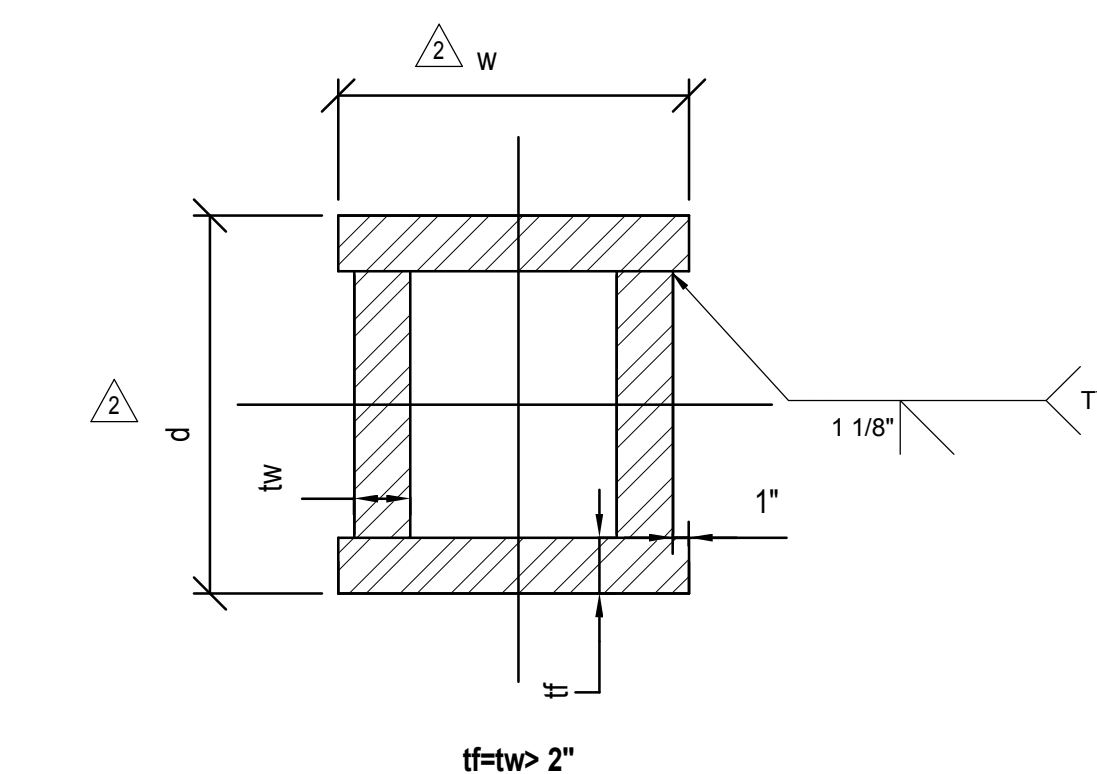
| TYPE | DEPTH "d" ¹ | WIDTH "w" ¹ |
|---------|------------------------|------------------------|
| S-12x12 | 12 | 12 |
| S-12x20 | 12 | 20 |
| S-12x28 | 12 | 28 |
| S-16x28 | 16 | 28 |
| S-16x32 | 16 | 32 |
| S-16x36 | 16 | 36 |
| S-18x18 | 18 | 18 |
| S-18x40 | 18 | 40 |
| S-20x16 | 18 | 16 |
| S-20x20 | 20 | 20 |
| S-20x24 | 20 | 24 |
| S-20x28 | 20 | 28 |
| S-20x32 | 20 | 32 |
| S-20x36 | 20 | 36 |
| S-20x40 | 20 | 40 |
| S-20x44 | 20 | 44 |
| S-20x48 | 20 | 48 |
| S-20x60 | 20 | 60 |
| S-20x72 | 20 | 72 |
| S-24x16 | 24 | 16 |
| S-24x20 | 24 | 20 |
| S-24x24 | 24 | 24 |
| S-24x28 | 24 | 28 |
| S-24x32 | 24 | 32 |
| S-24x36 | 24 | 36 |
| S-24x40 | 24 | 40 |
| S-24x60 | 24 | 60 |
| S-28x20 | 28 | 20 |
| S-28x24 | 28 | 24 |
| S-28x28 | 28 | 28 |
| S-28x32 | 28 | 32 |
| S-28x40 | 28 | 40 |
| S-32x32 | 32 | 32 |
| S-36x16 | 36 | 16 |
| S-36x20 | 36 | 20 |
| S-36x28 | 36 | 28 |

| TYPE | WIDTH "w" ¹ | DEPTH "d" ¹ | PLATE THICKNESS "t" ¹ |
|--------------|------------------------|------------------------|----------------------------------|
| B-20x20x1.25 | 20 | 20 | 1.25 |
| B-20x20x1.5 | 20 | 20 | 1.5 |
| B-20x20x1.75 | 20 | 20 | 1.75 |
| B-20x20x2 | 20 | 20 | 2.0 |
| B-20x20x2.5 | 20 | 20 | 2.5 |
| B-20x20x3 | 20 | 20 | 3.0 |
| B-20x20x3.5 | 20 | 20 | 3.5 |
| B-20x20x4 | 20 | 20 | 4.0 |
| B-24x24x1.25 | 24 | 24 | 1.25 |
| B-24x24x1.5 | 24 | 24 | 1.5 |
| B-24x24x1.75 | 24 | 24 | 1.75 |
| B-24x24x2 | 24 | 24 | 2.0 |
| B-24x24x2.5 | 24 | 24 | 2.5 |
| B-24x24x3 | 24 | 24 | 3.0 |
| B-24x24x3.5 | 24 | 24 | 3.5 |
| B-24x24x4 | 24 | 24 | 4.0 |

¹ SEE COLUMN SECTION DETAIL FOR BUILT-UP BOX SECTION (B-SECTIONS)



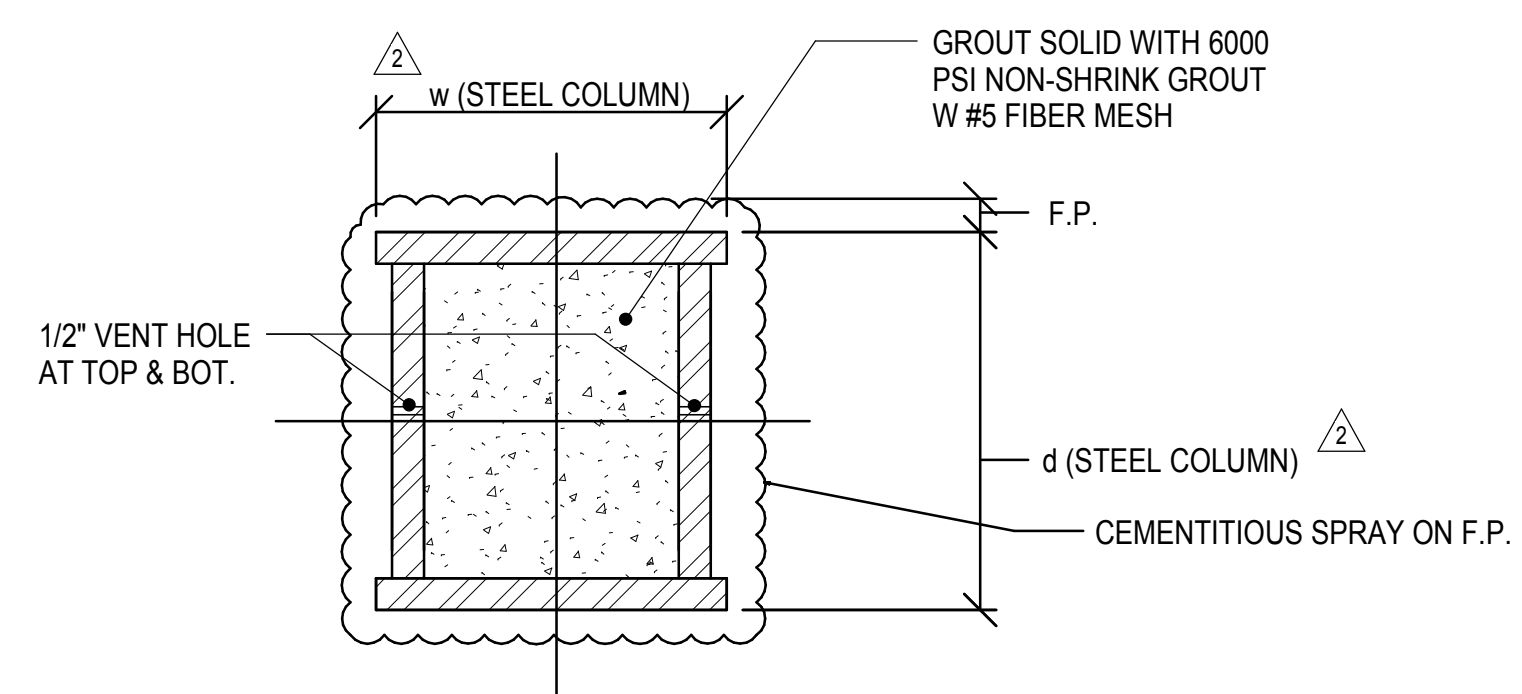
4 TYPICAL STEEL COLUMN SECTION FOR $tw=tf \leq 2"$ (UNTIL 8' ABOVE T.O.R.)
1" = 1'-0"



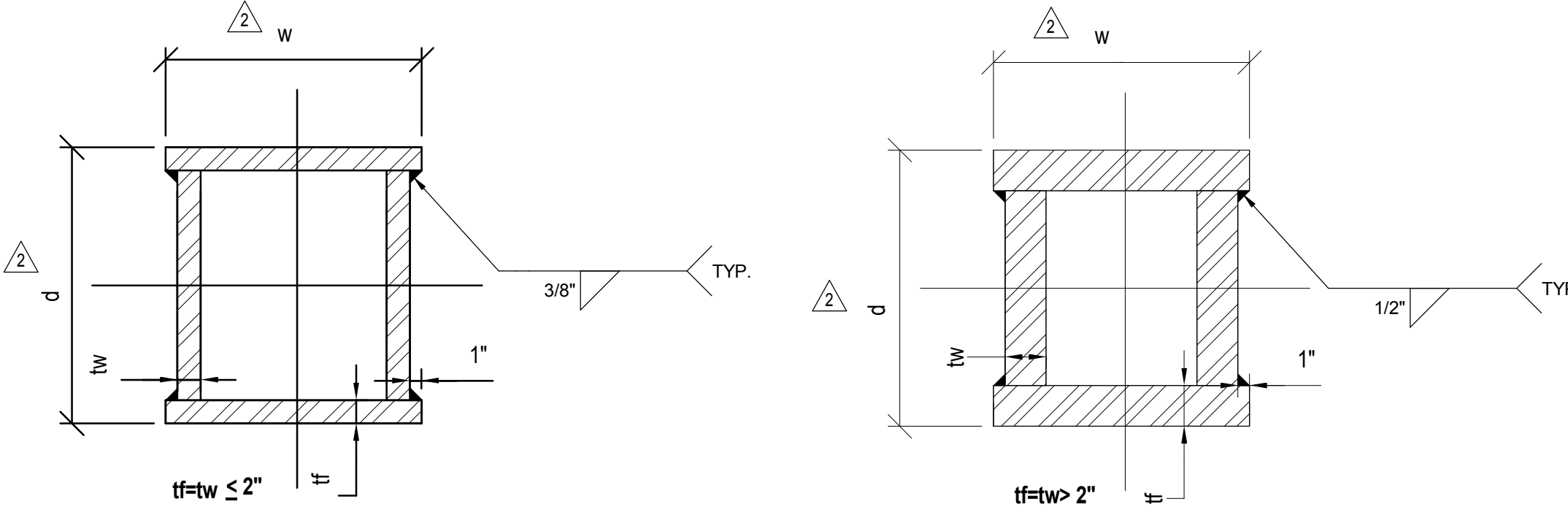
5 TYPICAL STEEL COLUMN SECTION FOR $tw=tf > 2"$ (UNTIL 8' ABOVE T.O.R.)
1" = 1'-0"

2 BUILT-UP BOX SECTION TABLE (B-SECTIONS)
NOT TO SCALE

3 COLUMN SECTION TYPES
1" = 1'-0"



1 SOLID BOX SECTIONS TABLE (S-SECTIONS)
NOT TO SCALE



8 TYPICAL SECTION OF BOX COLUMN FOR $tw=tf \leq 2"$ (ABOVE 8' FROM T.O.R.)
1" = 1'-0"

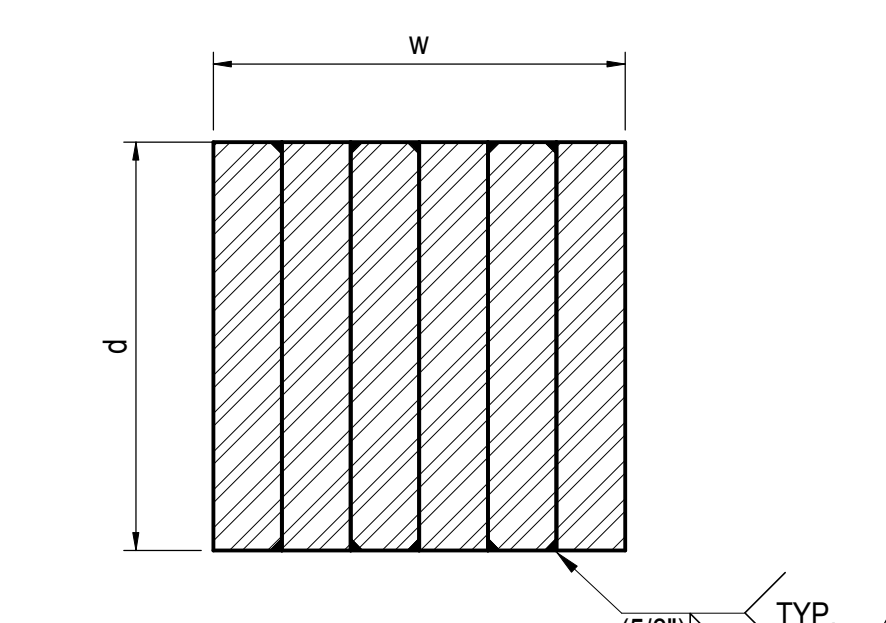
9 TYPICAL STEEL COLUMN SECTION FOR $tw=tf > 2"$ (ABOVE 8' FROM T.O.R.)
1" = 1'-0"

| TYPE | PLATE THICKNESS ("t") ¹ |
|-------------------|------------------------------------|
| W14x730 + 0.5" PL | 0.5 |
| W14x730 + 1.0" PL | 1.0 |
| W14x730 + 1.5" PL | 1.5 |
| W14x730 + 2.0" PL | 2.0 |
| W14x730 + 2.5" PL | 2.5 |
| W14x730 + 3.0" PL | 3.0 |
| W14x730 + 3.5" PL | 3.5 |
| W14x730 + 4.0" PL | 4.0 |

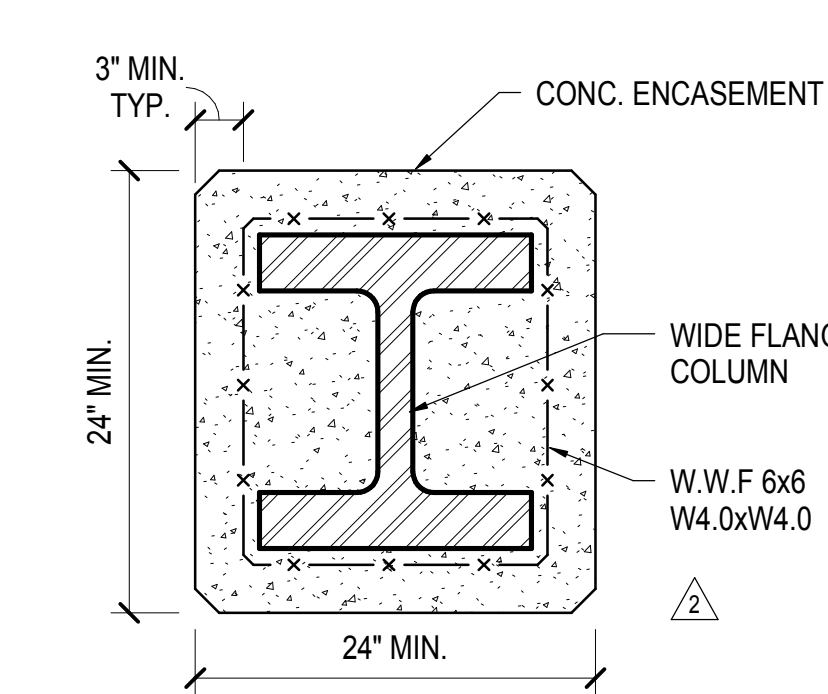
¹ SEE COLUMN SECTION DETAIL FOR BUILT-UP W SECTIONS

| TYPE | WIDTH "w" ¹ | DEPTH "d" ¹ | PLATE THICKNESS "t" ¹ |
|--------------|------------------------|------------------------|----------------------------------|
| BB-36x36x5.5 | 36 | 36 | 5.5 |
| BB-36x36x6 | 36 | 36 | 6.0 |
| BB-36x36x6.5 | 36 | 36 | 6.5 |
| BB-36x36x8 | 36 | 36 | 8.0 |

¹ SEE COLUMN SECTION DETAIL FOR BUILT-UP BOX SECTION (BB-SECTIONS)



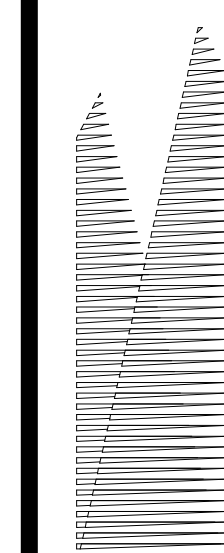
10 TYPICAL SECTION OF BOX COLUMN: SOLID SHAPE
3/4" = 1'-0"



11 TYPICAL W SHAPE COLUMN ENCASED IN CONCRETE
1" = 1'-0"

6 BUILT-UP W SECTIONS TABLE
NOT TO SCALE

12 BUILT-UP BOX SECTION TABLE (NO FILL)(BB-SECTIONS)
NOT TO SCALE



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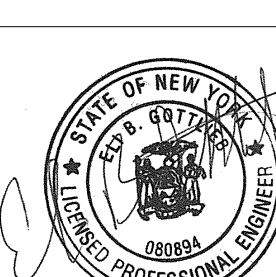
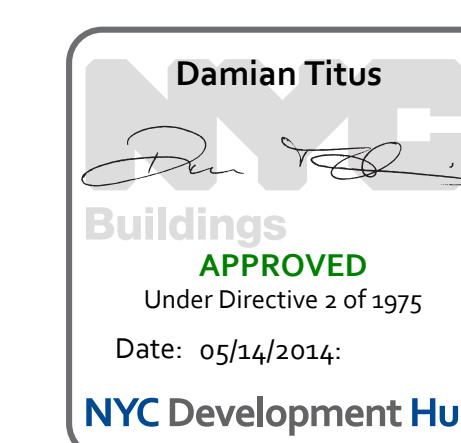
| NYC DOB FILING | 12/4/2013 |
|------------------------------------|-------------|
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| Δ - DL01 PHASE I STRUCTURAL UPDATE | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev Plot

Date: 12/14/2012
Project No: N11330.00
Title: Author
Sheet Number

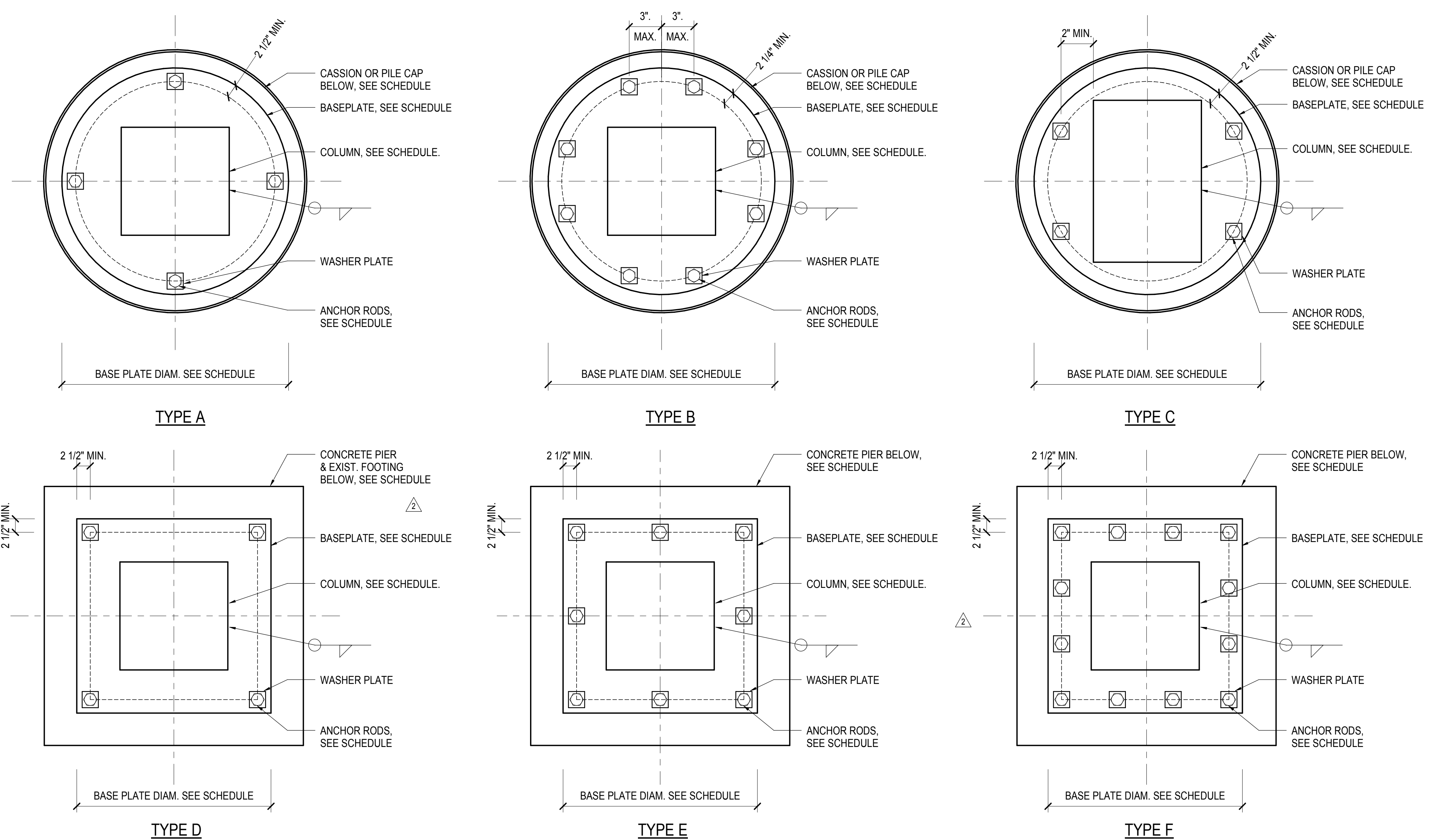
HYE - PL - S-320.00
Drawing Title
COLUMN DETAILS I

Drawing Number / Revision Drawing Number
S-320.00

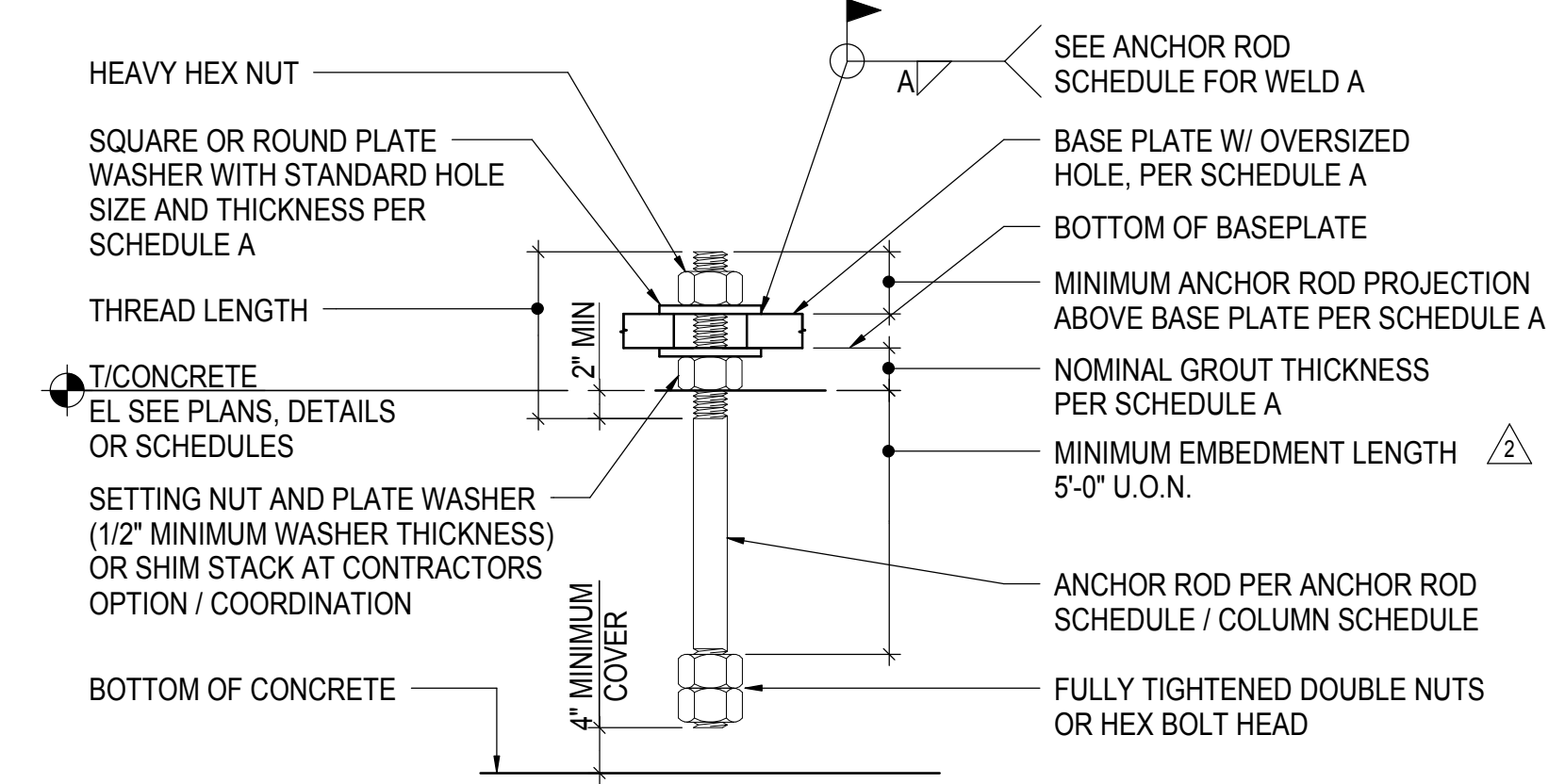


Drawing Number / Revision Drawing Number

Drawing Number / Revision Drawing Number



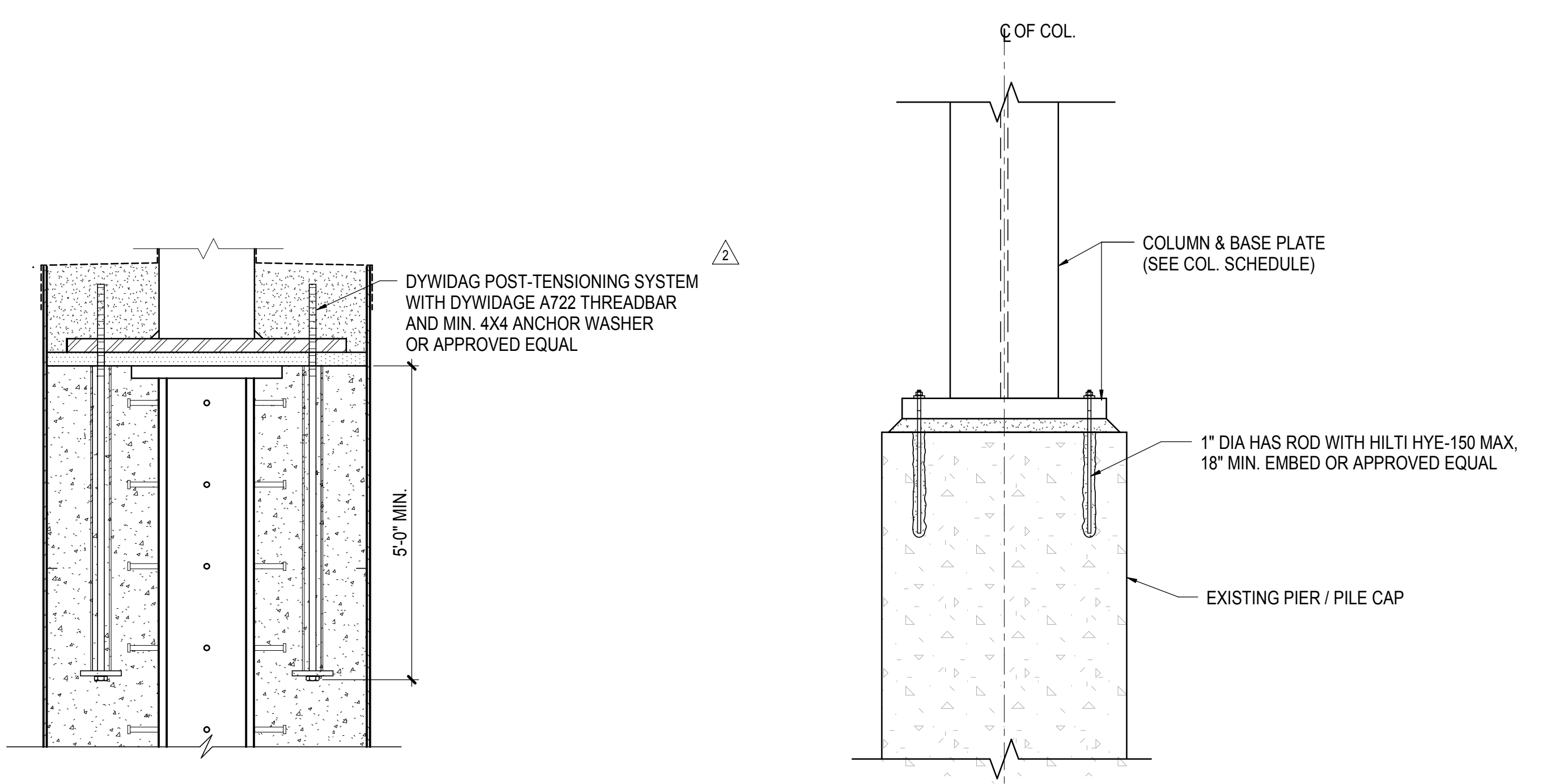
- NOTES:**
- SEE COLUMN SCHEDULE FOR BASE PLATE SIZE, ORIENTATION AND THICKNESS
 - BASE PLATE THICKNESS SHOWN ON SCHEDULE IS A MIN. DIMENSION AFTER ALL MILLING IS COMPLETED
 - COLUMN STABILITY DURING ERECTION IS RESPONSIBILITY OF CONTRACTOR
 - SEE COLUMN SCHEDULE FOR ANCHOR ROD SIZE AND SEE ANCHOR ROD DETAIL FOR ADDITIONAL INFORMATION
 - CONTRACTOR'S OPTION TO FIELD WELD COLUMNS TO BASEPLATES FOR HEAVY BASEPLATES
 - EXIST. ANCHOR ROD OF EXIST. FOOT SHALL BE CUT FLASH WITH TOP OF FOOT.



| SCHEDULE A | | | | | |
|---------------------|------------------|-----------------|--------------|------------------------|-------------------------|
| ANCHOR ROD DIAMETER | BASE PL HOLE DIA | MIN WASHER SIZE | MIN WASHER 1 | MIN PROJ ABOVE BASE PL | NOMINAL GROUT THICKNESS |
| 3/4" | 1-5/16" | 2" | 1/4" | 3" | 2" |
| 1" | 1-13/16" | 3" | 3/8" | 3-1/2" | 2" |
| 1-1/4" | 2-1/16" | 3" | 1/2" | 4" | 3" |
| 1-3/8" | 2-3/16" | 3-1/2" | 1/2" | 4" | 3" |
| 1-1/2" | 2-5/16" | 3-1/2" | 1/2" | 4" | 3" |
| 1-3/4" | 2-3/4" | 4" | 3/4" | 5" | 3" |
| 2" | 3-1/4" | 5" | 3/4" | 5" | 4" |
| 2-1/2" | 3-3/4" | 5-1/2" | 1" | 5-1/2" | 4" |

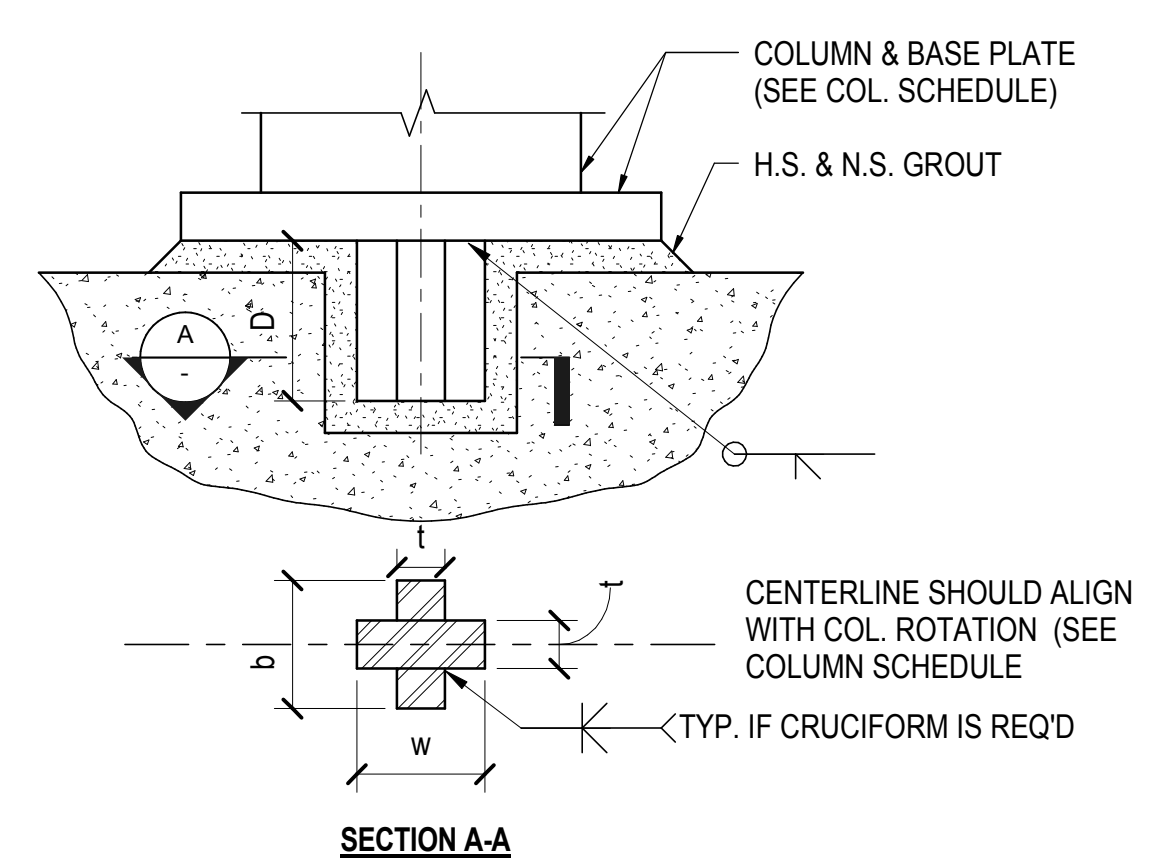
2 TYPICAL ANCHOR ROD DETAIL
3/4" = 1'-0"

1 ANCHOR RODS LOCATION PLAN
1" = 1'-0"



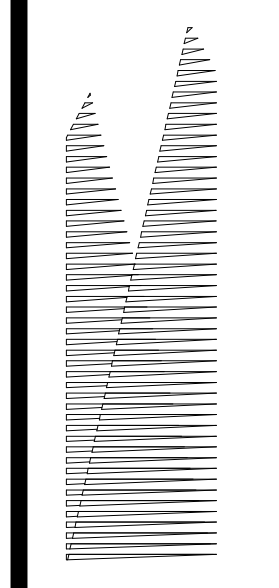
3 POST-TENSION ANCHOR ROD IN CAISSON
3/4" = 1'-0"

4 TYPICAL POST-INSTALLED ANCHOR BOLT
3/4" = 1'-0"



| SHEAR LUG SCHEDULE | | | | |
|--------------------|--------|--------|--------|--------|
| TYPE | b (in) | w (in) | t (in) | D (in) |
| TYPE 1 | 8 | 8 | 3 | 10 |
| TYPE 2 | 10 | 10 | 3 | 8 |
| TYPE 3 | 6 | - | 3 | 6.5 |
| TYPE 4 | 10 | - | 3.75 | 8.25 |
| TYPE 5 | 12 | 12 | 5.25 | 10 |
| TYPE 6 | 10 | 10 | 4.5 | 9 |
| TYPE 7 | - | 10 | 5.25 | 10 |

5 SHEAR LUG DETAIL
NOT TO SCALE



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overlaid Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

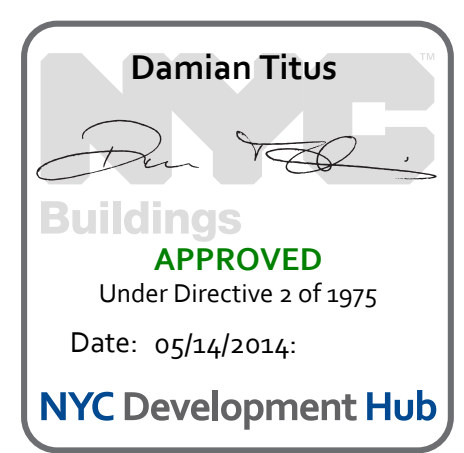
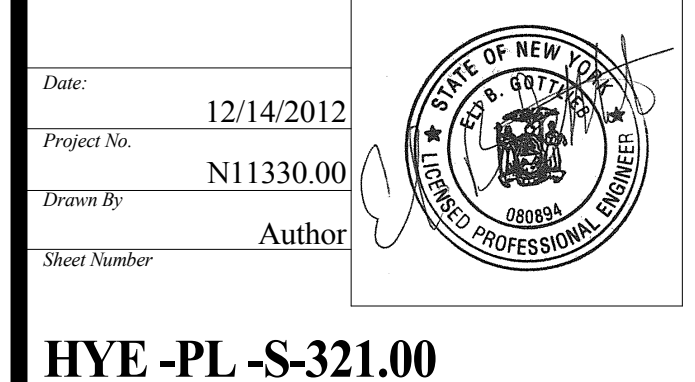
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

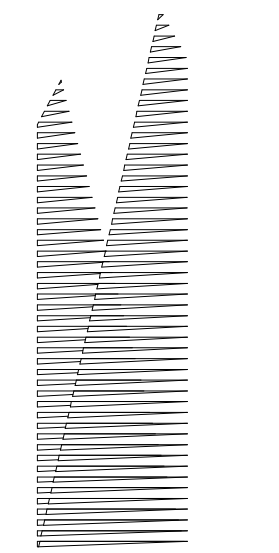
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172

| File No. | Description | Date |
|------------------------------------|-------------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | | |
| Δ, DL-02 PHASE I STRUCTURAL UPDATE | | 11/17/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ, DL-01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | | 2/15/2013 |
| Δ | | |

| File No. | Description | Date |
|------------------------------------|-------------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | | |
| Δ, DL-02 PHASE I STRUCTURAL UPDATE | | 11/17/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ, DL-01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | | 2/15/2013 |
| Δ | | |



Date: 12/14/2012
Project No: N11330.00
Drawn By: Author
Sheet Number:
HYE - PL - S-321.00
Drawing Title:
COLUMN DETAILS II



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

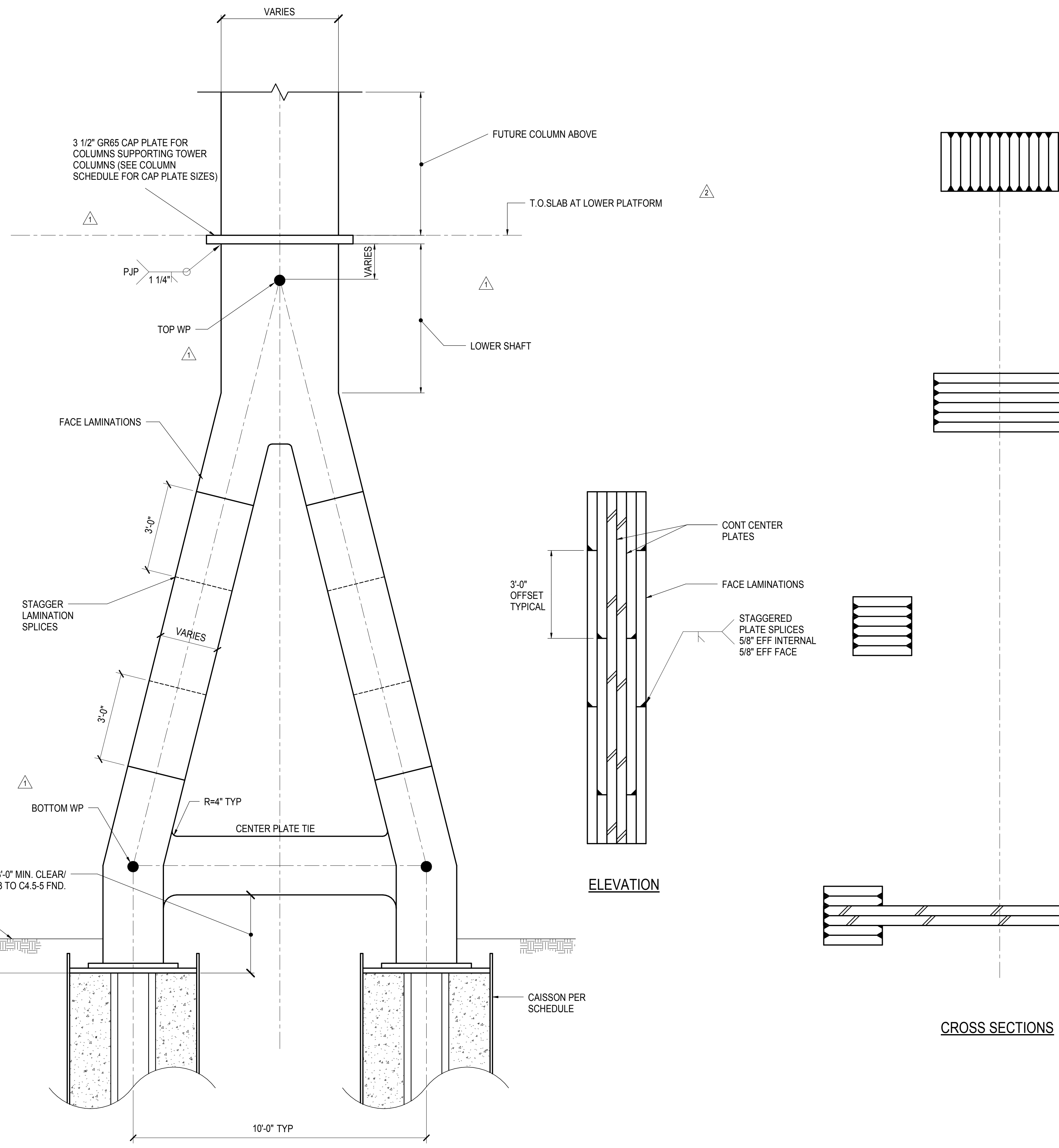
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

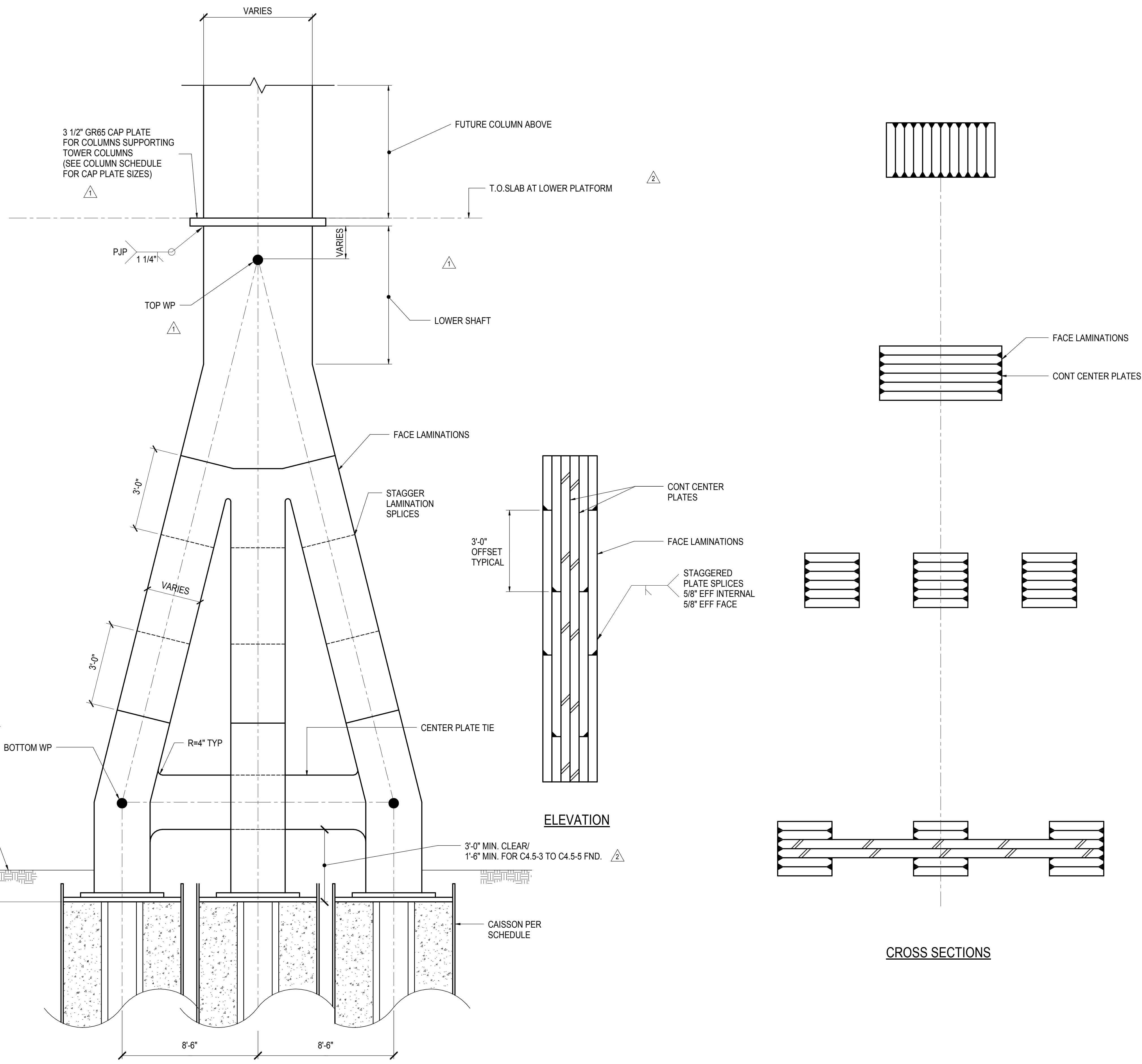
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Fishman Construction Corporation
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 A FRAME DOUBLE COLUMN OPTIONS
1/2" = 1'-0"



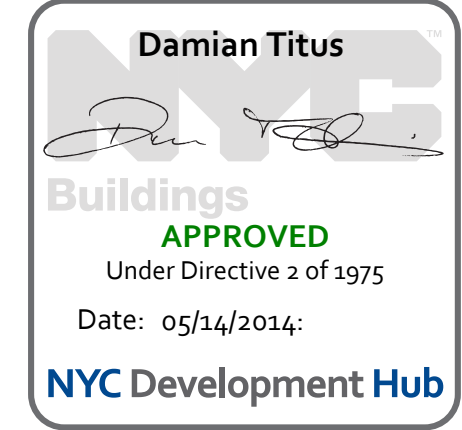
2 A FRAME TRIPLE COLUMN OPTIONS
1/2" = 1'-0"

| LOCATION REFERENCE | COLUMN SIZE | | TIE | LOWER SHAFT | TOP WP ELEVATION | BOTTOM WP ELEVATION | TIE AXIAL TENSION FORCE (KIPS) |
|--------------------|--------------------------|-----------|---------|-------------|------------------|---------------------|--------------------------------|
| | OUTER LEGS | INNER LEG | | | | | |
| A/14 | (2) 24"x24" | | 8"x16" | 24"x40" | 25'-11" | 8'-2" | 5800 |
| B/14 | (2) 24"x28" | 24"x24" | 8"x24" | 24"x60" | 25'-11" | 8'-0" | 9200 |
| C/14 | (2) 24"x28" | 24"x24" | 8"x24" | 24"x60" | 25'-11" | 7'-6" | 5900 |
| D/14 | (2) 24"x24" | | 12"x16" | 24"x40" | 25'-11" | 6'-2" | 5900 |
| E/14 | (A) 20"x36", (B) 20"x28" | | 20"x48" | 20"x48" | 25'-11" | 5'-10" | 5400 |
| G/14 | (A) 20"x24", (B) 20"x48" | | 4"x28" | 20"x60" | 25'-11" | 6'-5" | 5600 |
| A/14.8 | (2) 24"x24" | | 8"x16" | 24"x40" | 25'-11" | 8'-2" | 4500 |
| C.9/15 | (A) 12"x28", (B) 24"x28" | | 12"x16" | 28"x28" | 26'-6" | 6'-10" | 3400 |
| D.8/15 | (A) 20"x28", (B) 20"x28" | | 12"x16" | 28"x28" | 26'-6" | 6'-10" | 8600 |
| E.8/15 | (A) 16"x28", (B) 20"x28" | | 12"x16" | 24"x28" | 26'-6" | 6'-10" | 4500 |
| F.9/15 | (A) 16"x28", (B) 20"x28" | | 12"x16" | 24"x28" | 26'-6" | 10'-4" | 4300 |
| C/15.3 | (A) 24"x16", (B) 24"x32" | | 8"x16" | 24"x36" | 25'-11" | 7'-4" | 6000 |
| B/15.5 | (A) 24"x32", (B) 24"x20" | | 8"x20" | 24"x36" | 25'-11" | 7'-10" | 8000 |
| B/16 | (2) 36"x20" | 36"x16" | 12"x16" | 36"x36" | 25'-9" | 10'-2" | 8200 |
| A/16.5 | (2) 36"x20" | | 12"x16" | 36"x36" | 25'-9" | 10'-2" | 6200 |
| A.8/17 | (A) 28"x32", (B) 20"x32" | | 8"x24" | 32"x32" | 25'-9" | 10'-6" | 7500 |

3 A-FRAME COLUMN TABLE
NOT TO SCALE

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Model - PLATFORM SUBMISSION | |
| Δ, DEL-2 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ, DEL-1 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDS | 3/29/2013 |
| Rev | Description |

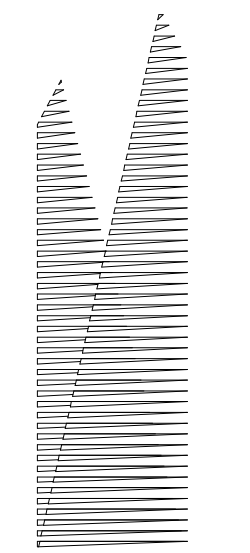
Rev Plot



Date: 03/29/2013
Project No: N11330.00
Author: Author
Issue Number: Author

HYE - PL - S-322.00
Drawing Title
A-FRAME COLUMN DETAILS

Drawing Number / B/S/C/S Drawing Number
S-322.00
SHEET 97 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

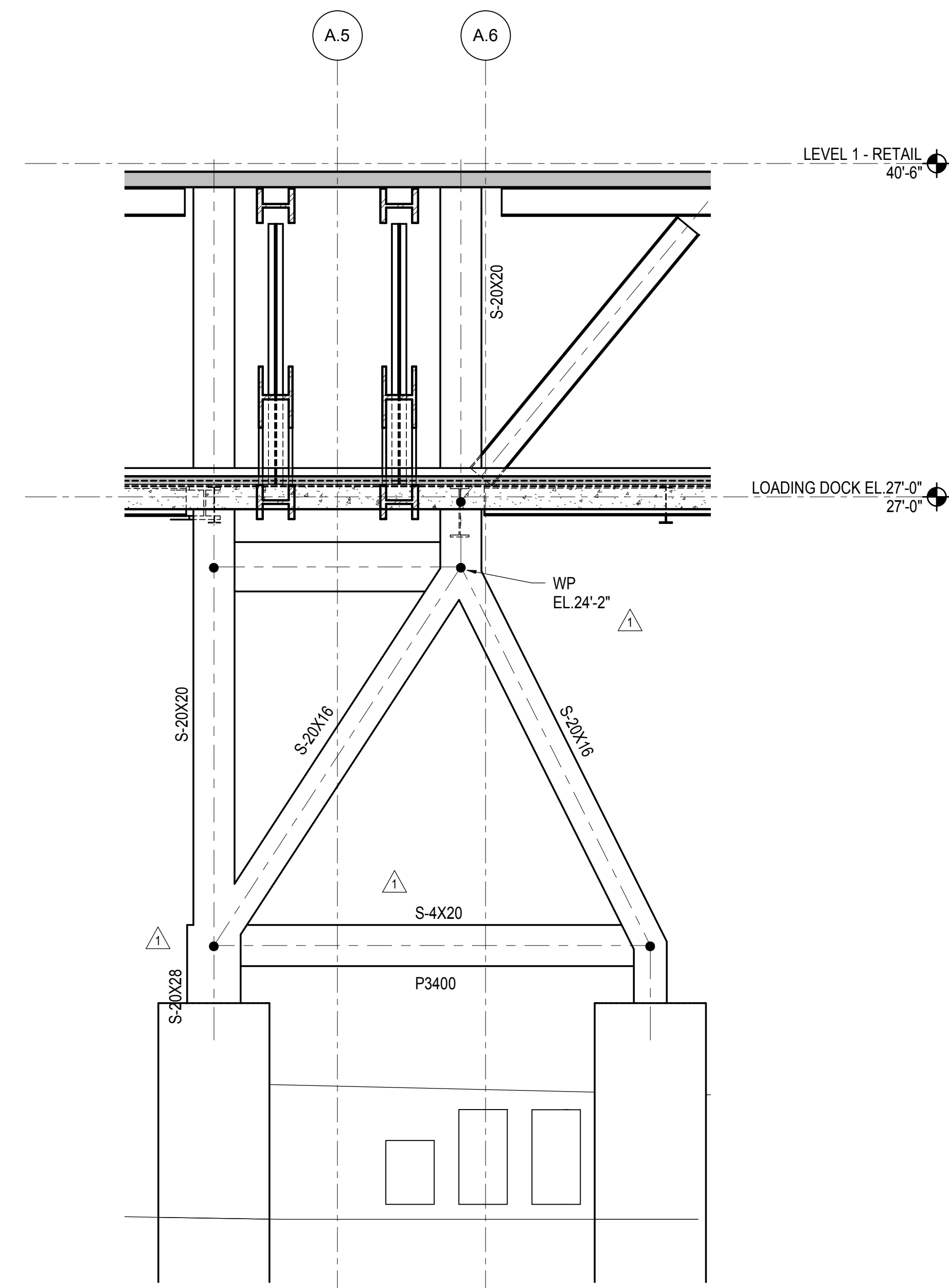
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

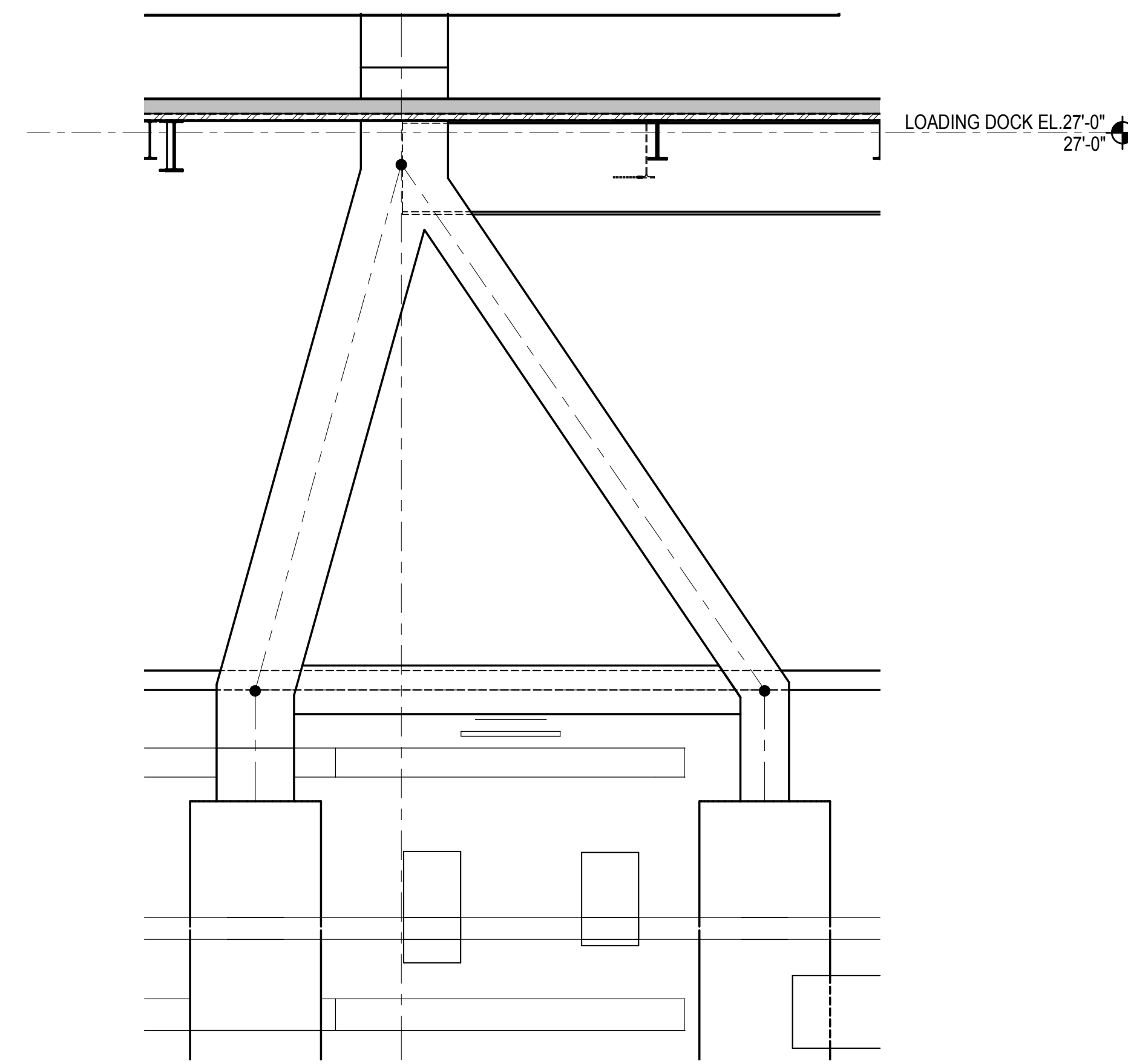
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

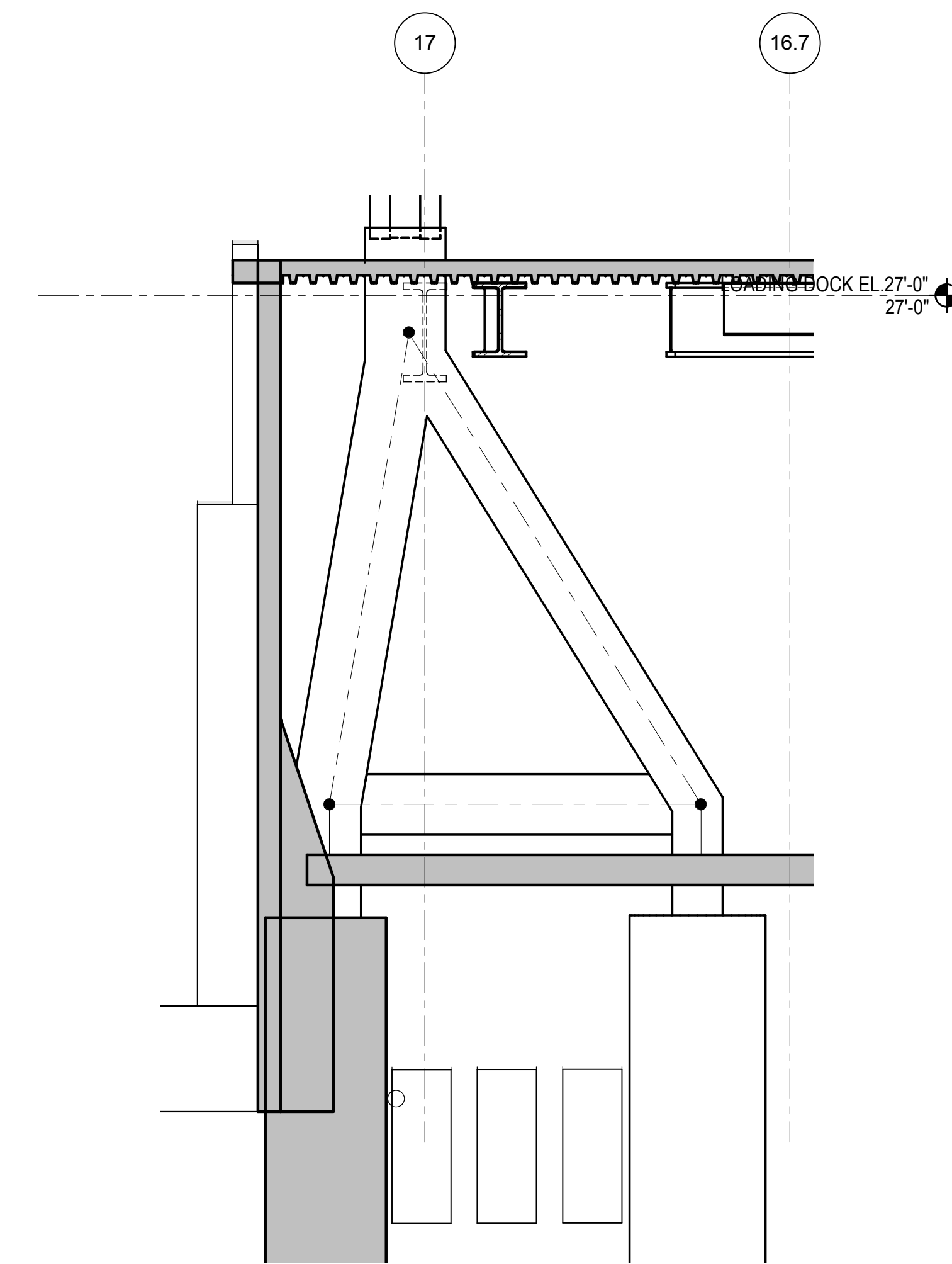
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



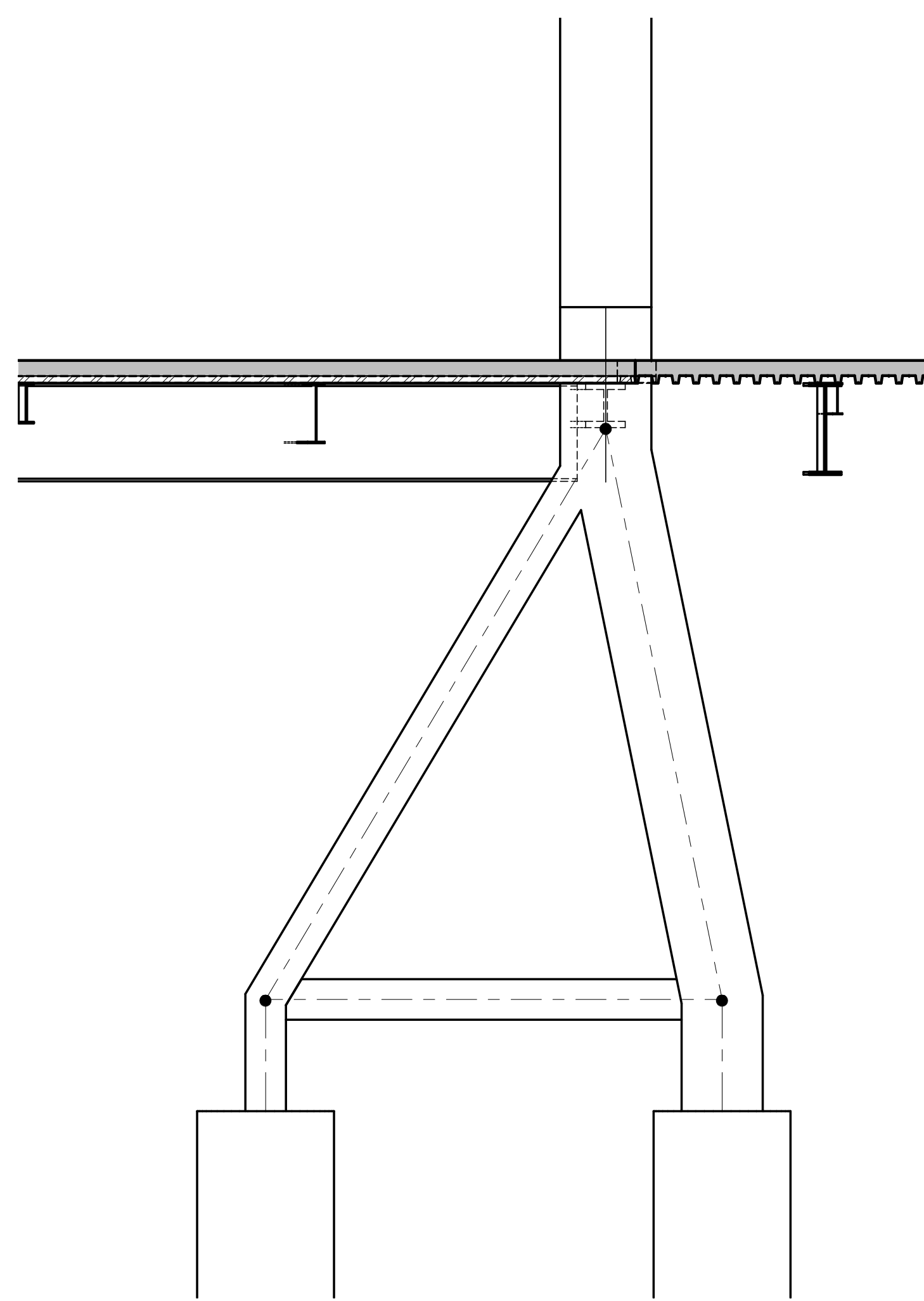
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1/4" = 1'-0"



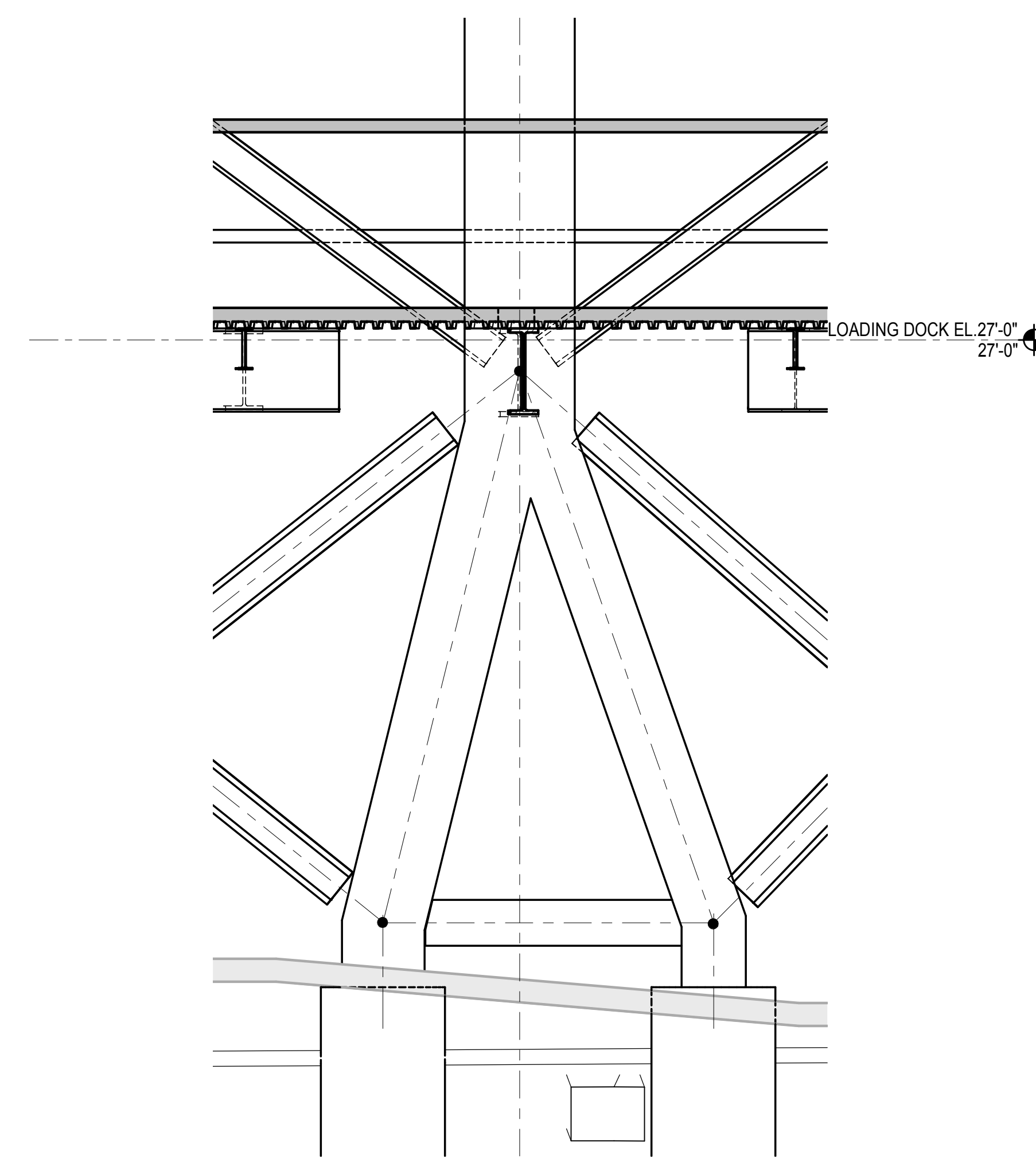
3 ATYPICAL A-FRAME ELEVATION AT COLUMN B/15.5
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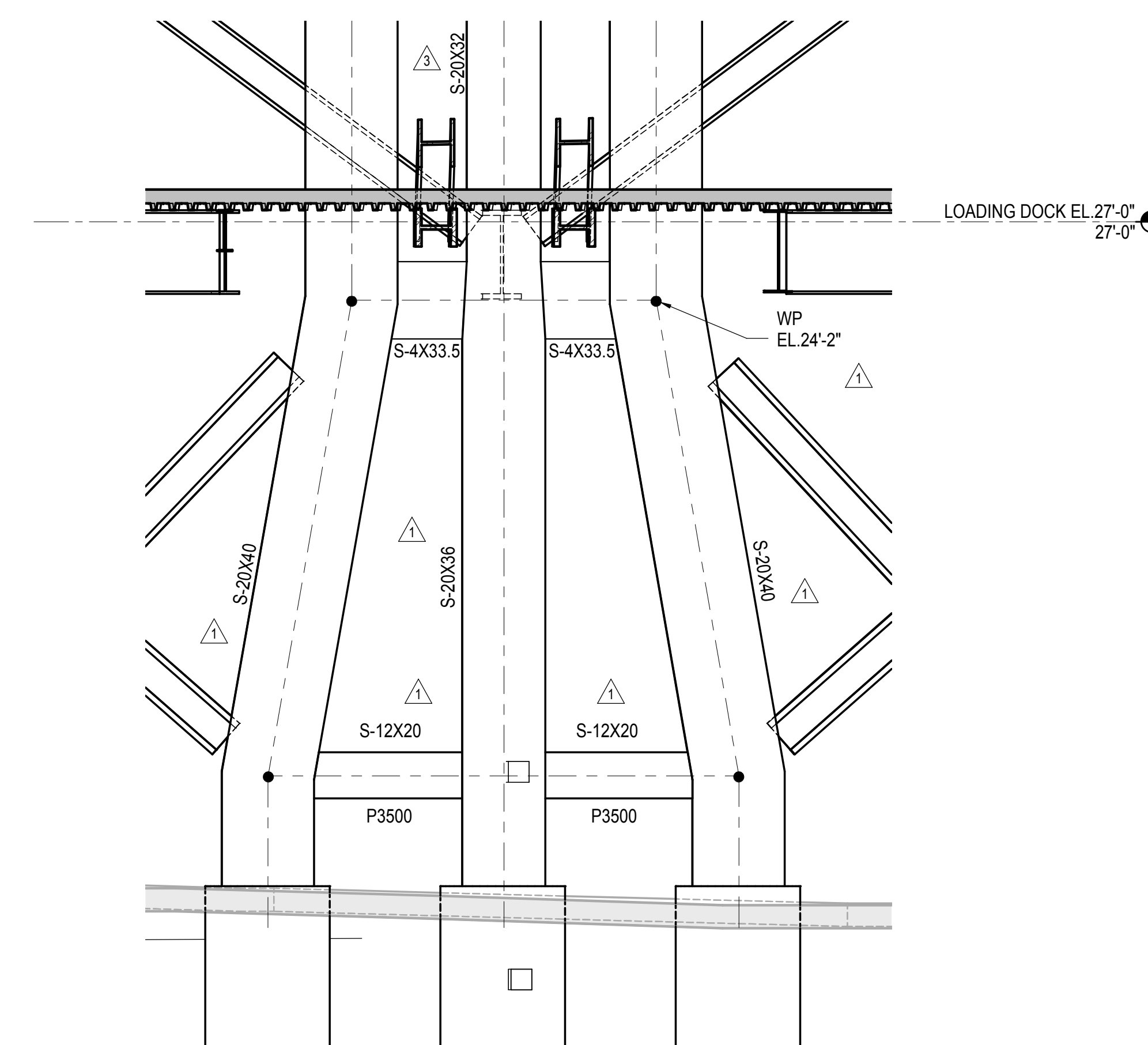
4 ATYPICAL A-FRAME ELEVATION AT COLUMN A.8/17
1/4" = 1'-0"



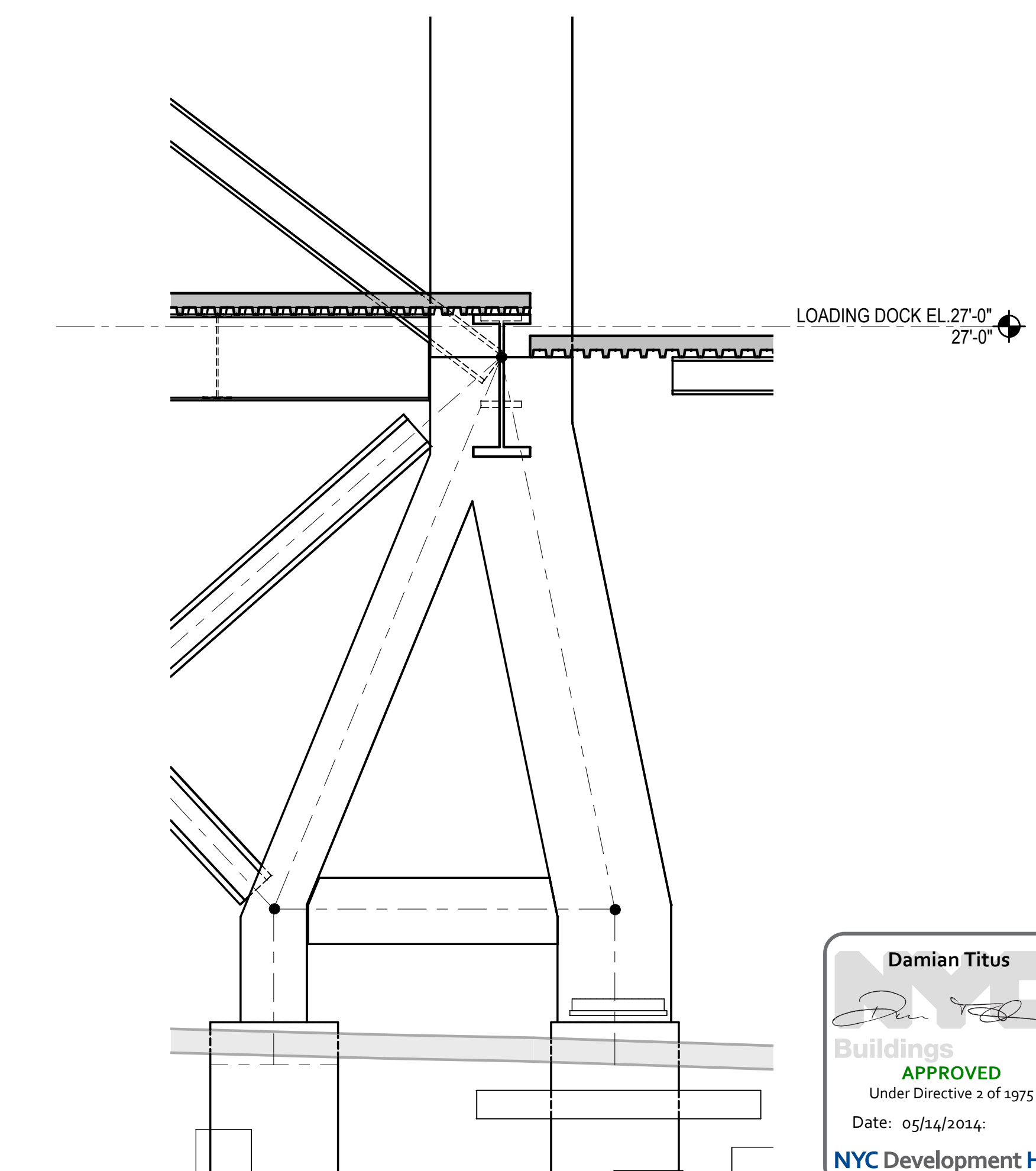
5 ATYPICAL A-FRAME ELEVATION AT COLUMN C/15.3
1/4" = 1'-0"



6 ATYPICAL A-FRAME ELEVATION AT COLUMN E/14
1/4" = 1'-0"



7 ATYPICAL A-FRAME ELEVATION AT COLUMN F/14
1/4" = 1'-0"



8 ATYPICAL A-FRAME ELEVATION AT COLUMN G/14
1/4" = 1'-0"

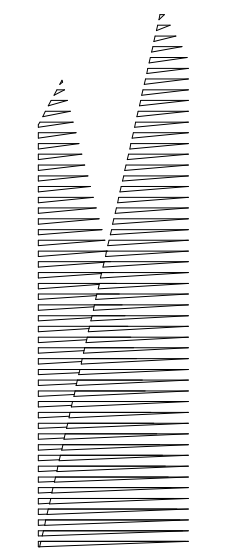


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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Model - PLATFORM SUBMISSION | |
| 2. DEQ PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| 3. DEQ PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| NYC Description | Other |

Rev. Plan

Date: 08/09/2013
Project No: N11330.00
Author: Author

HYE - PL - S-323.00
ATYPICAL COLUMNS (A-FRAMES)



Client
Related Companies
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Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

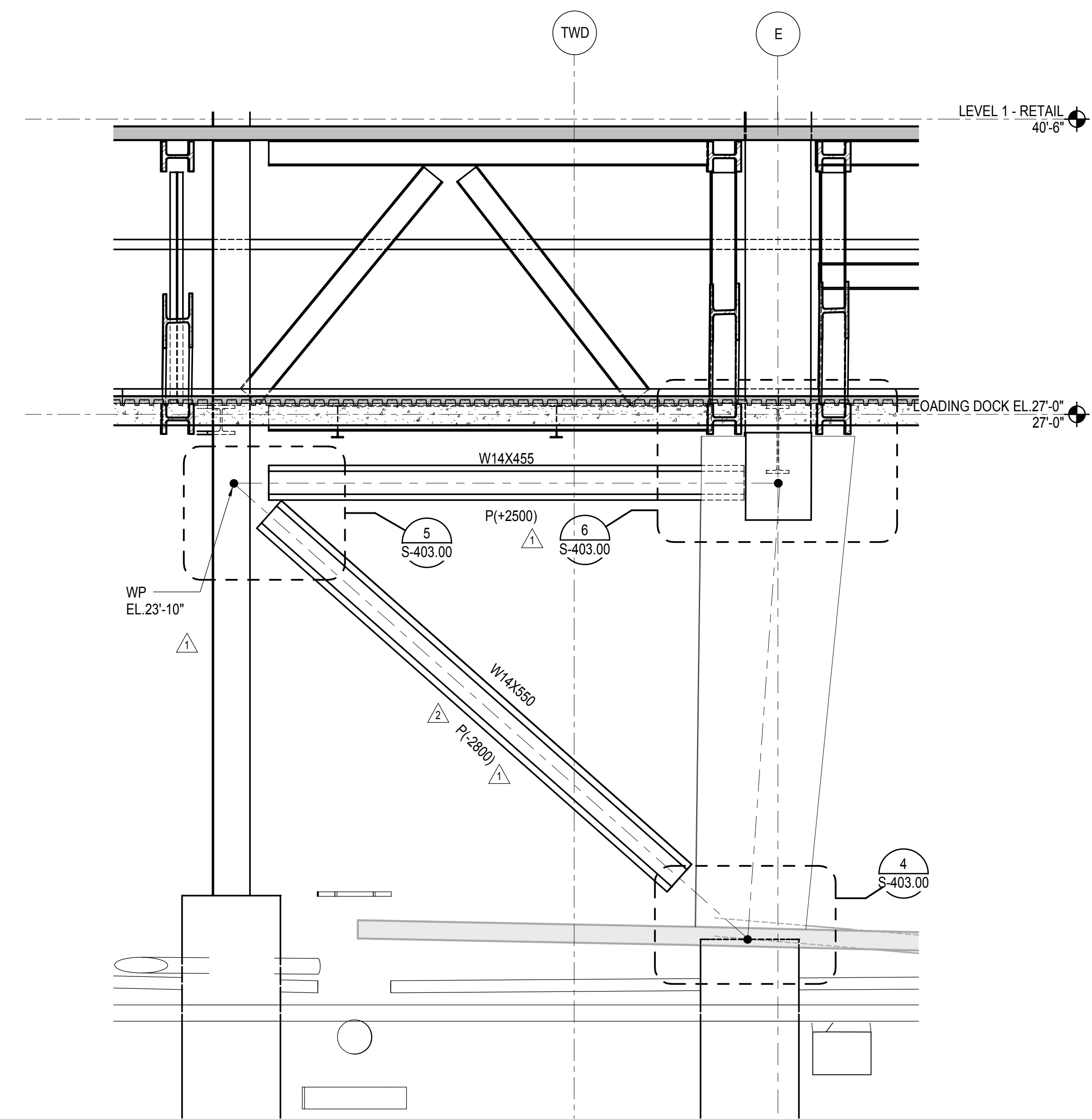
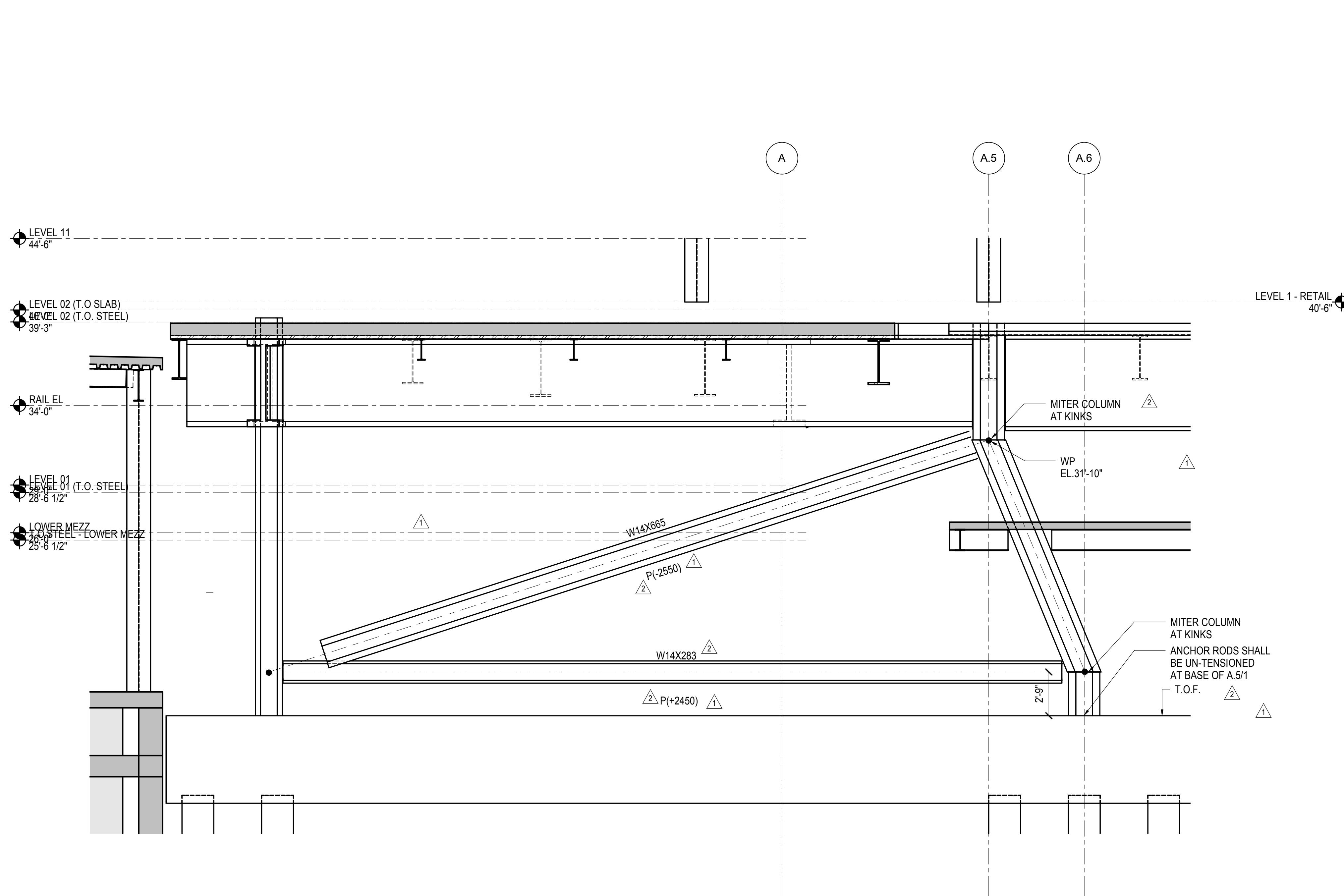
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

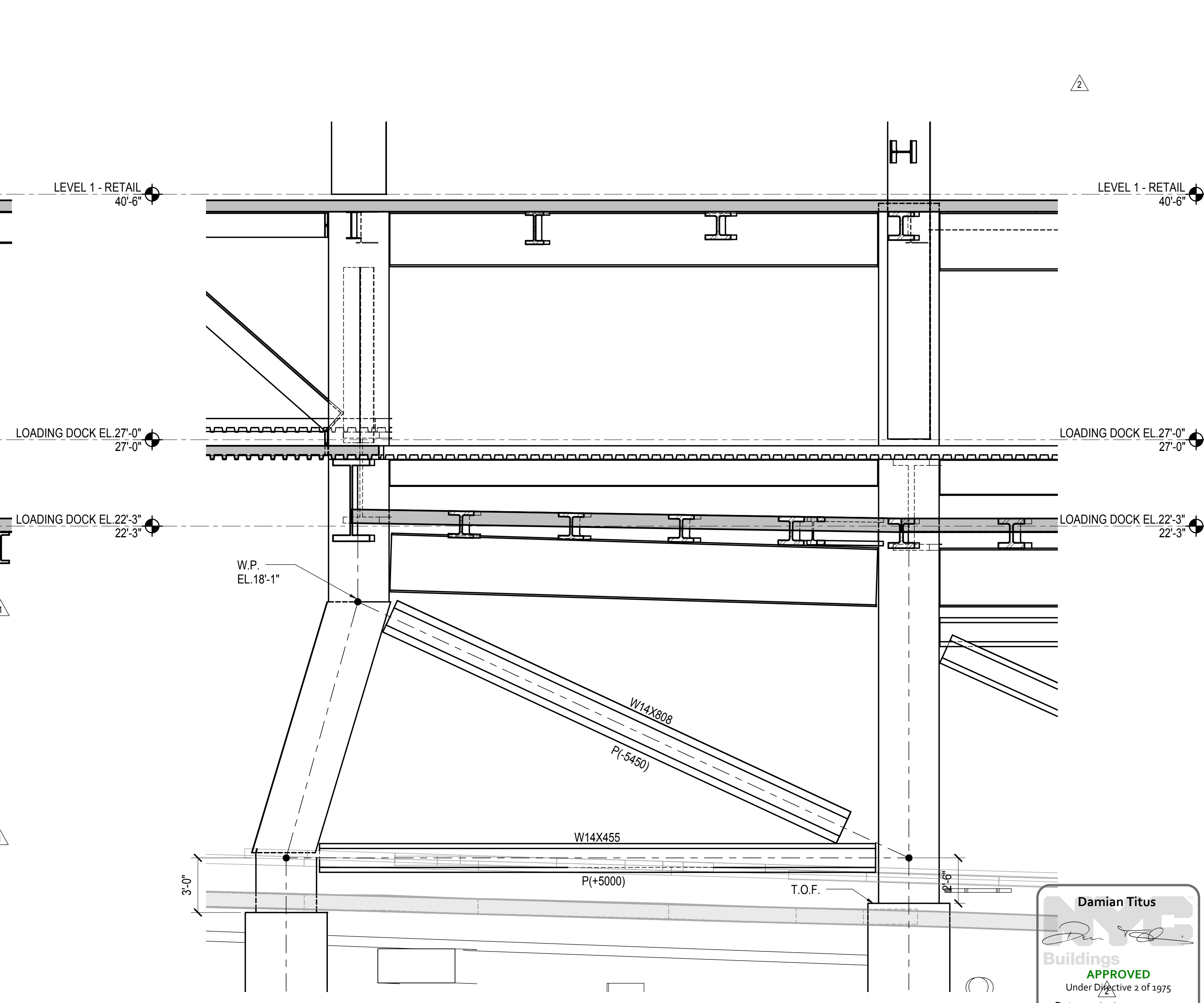
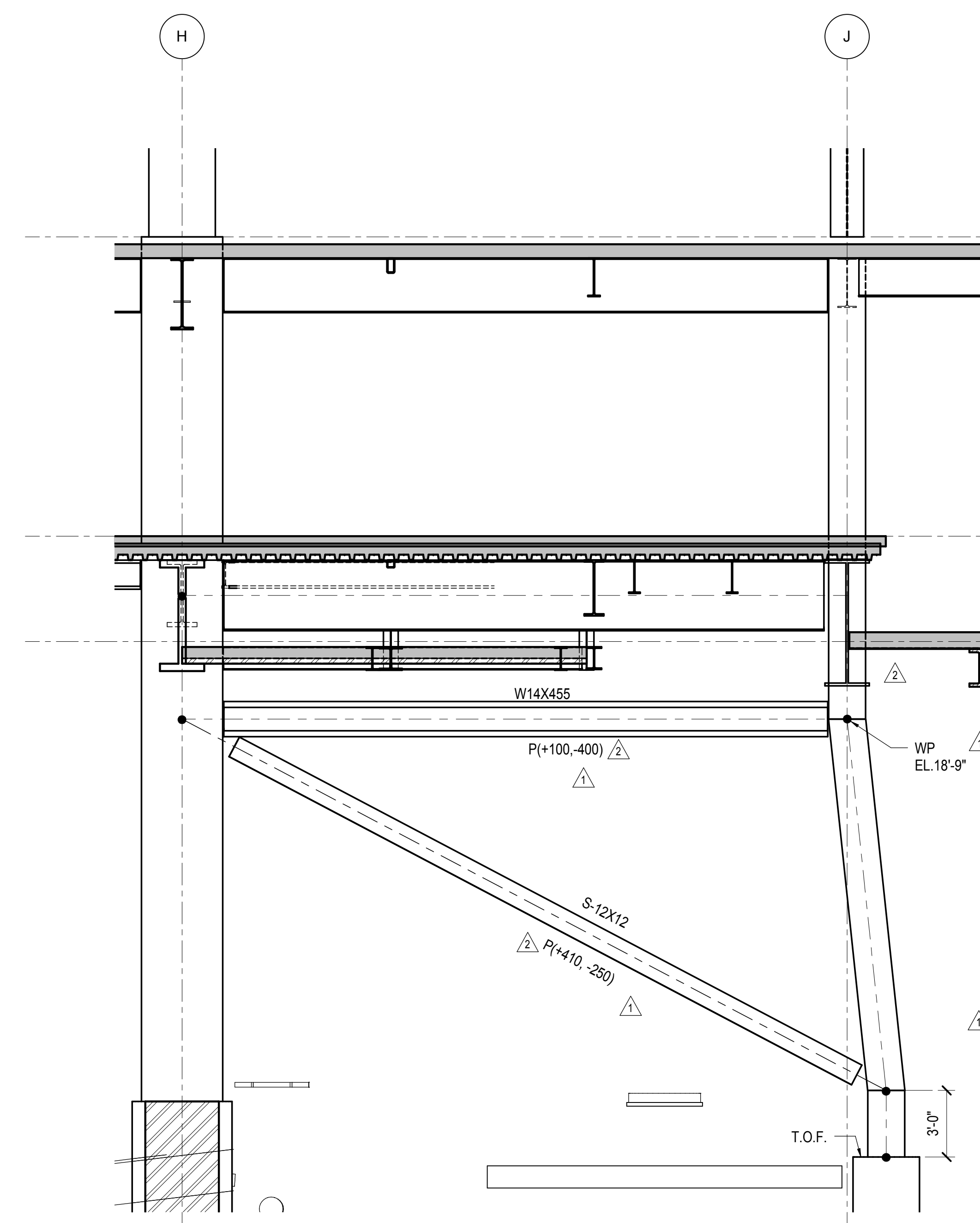
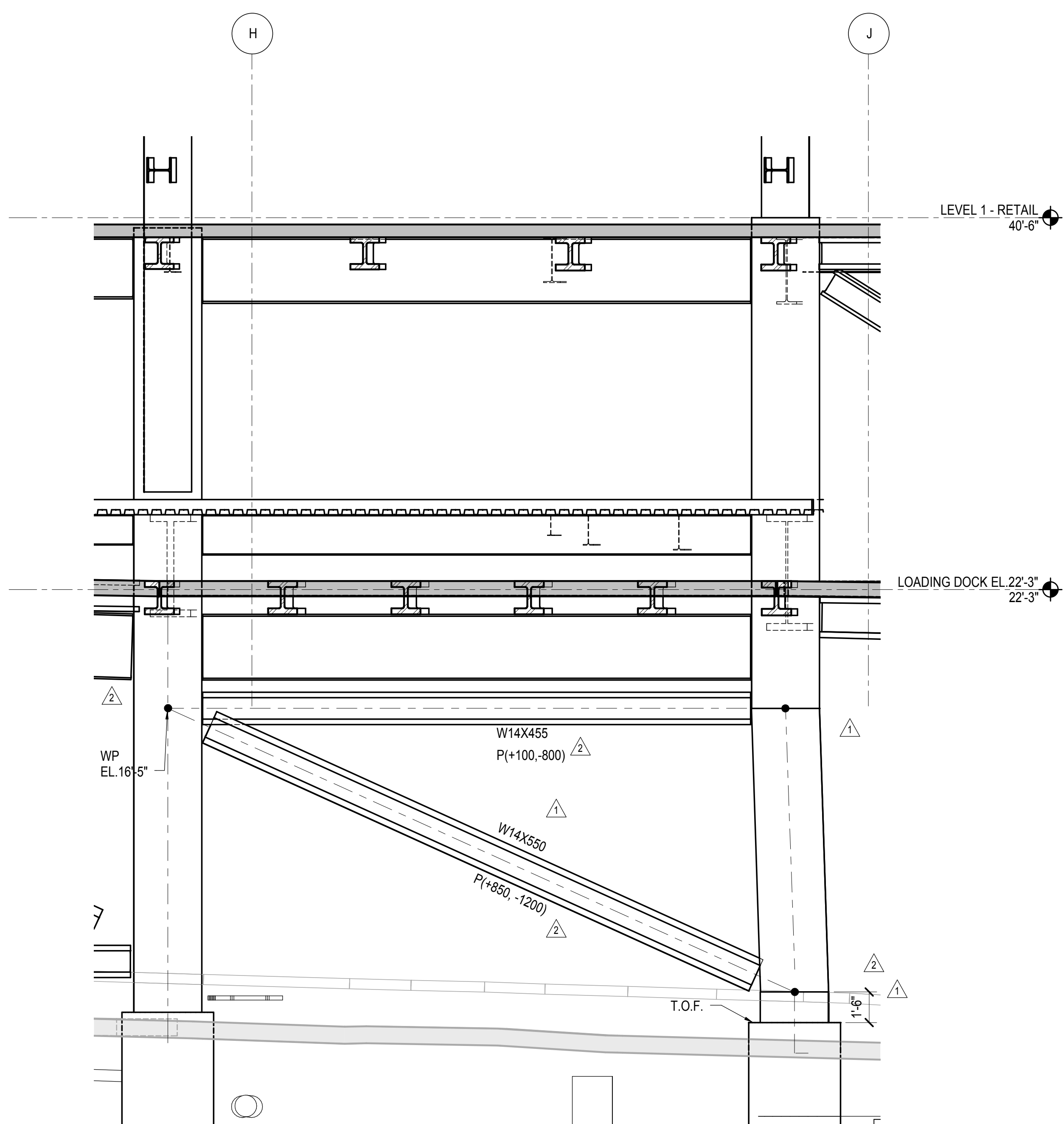
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
405 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 SLANTED COLUMN AT A.5/1
1/4" = 1'-0"

2 SLANTED COLUMN AT E/13.5
1/4" = 1'-0"



3 SLANTED COLUMN AT J/12
1/4" = 1'-0"

4 SLANTED COLUMN AT J/14
1/4" = 1'-0"

5 SLANTED COLUMN AT G/12
1/4" = 1'-0"

| | |
|-------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| LIRR - PRELIMINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| DOB PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DOB PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 000 |

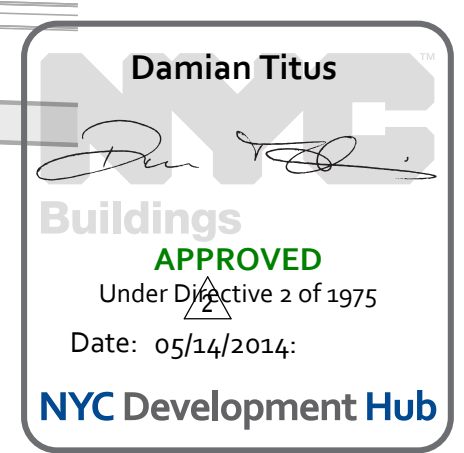
Rev. Plot

Date: 08/09/13
Project No: N11330.00
Title: Author
Sheet Number: Author

HYE-PL-S-324.00
ATYPICAL COLUMNS (SLANTED COLUMNS)

Drawing Number / Revision Drawing Number
S-324.00

SHEET 99 OF 201

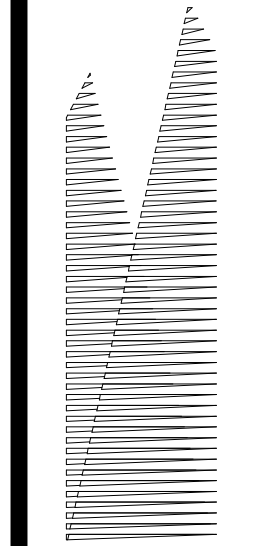


S-324.00
11/22/2013 1:30:03 PM
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**HUDSON YARDS
PLATFORM**

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

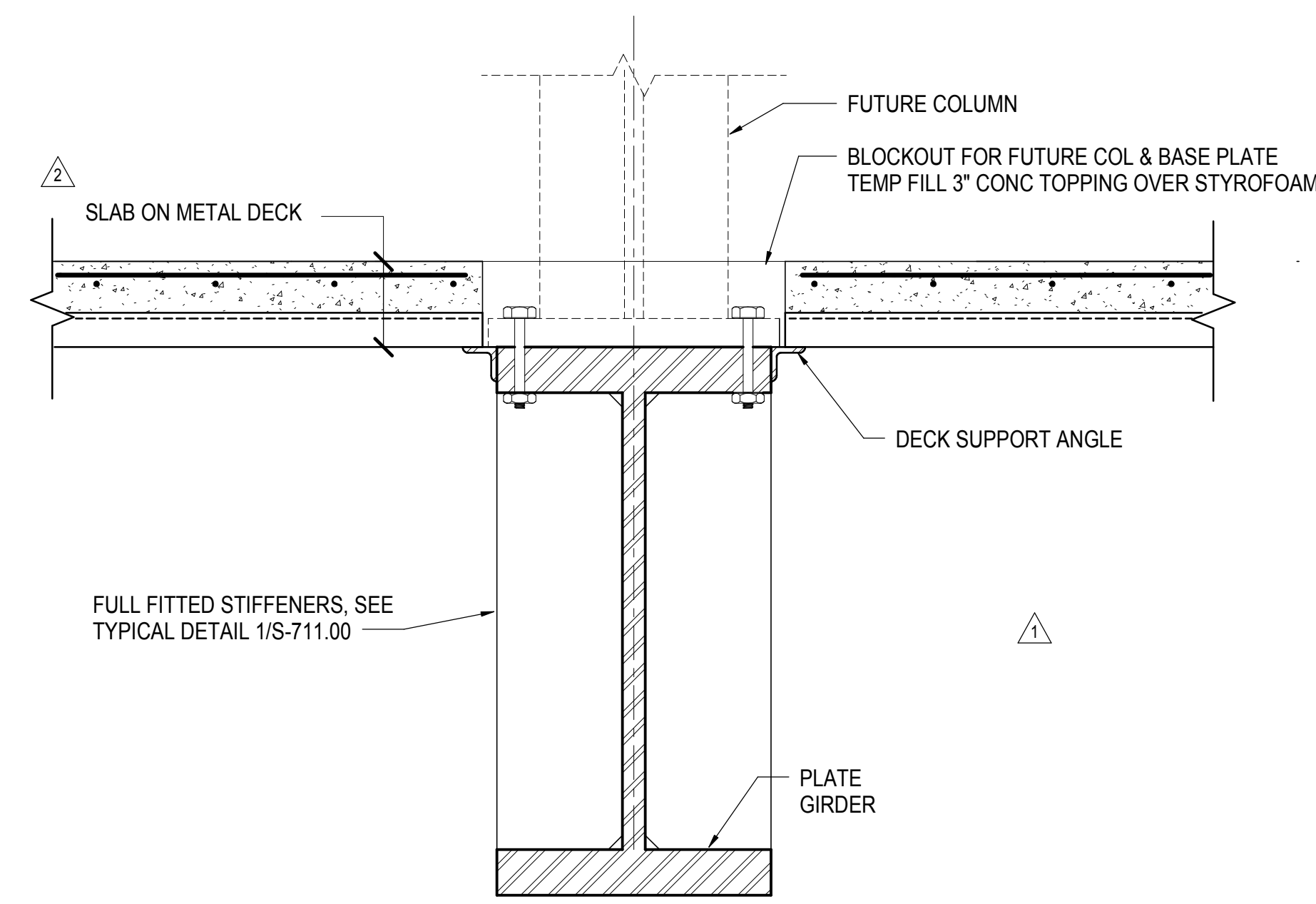
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
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**Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group**
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

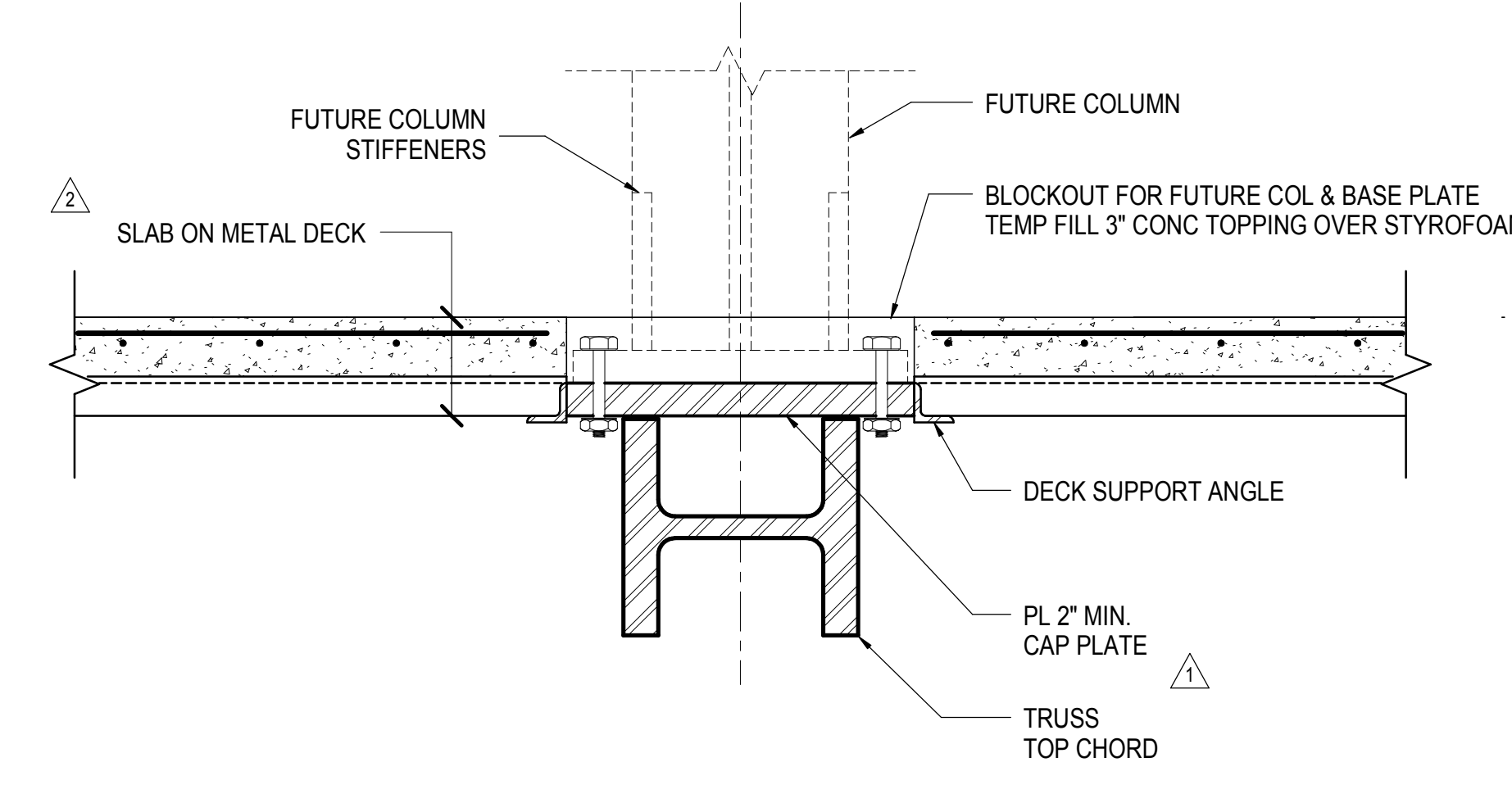
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172



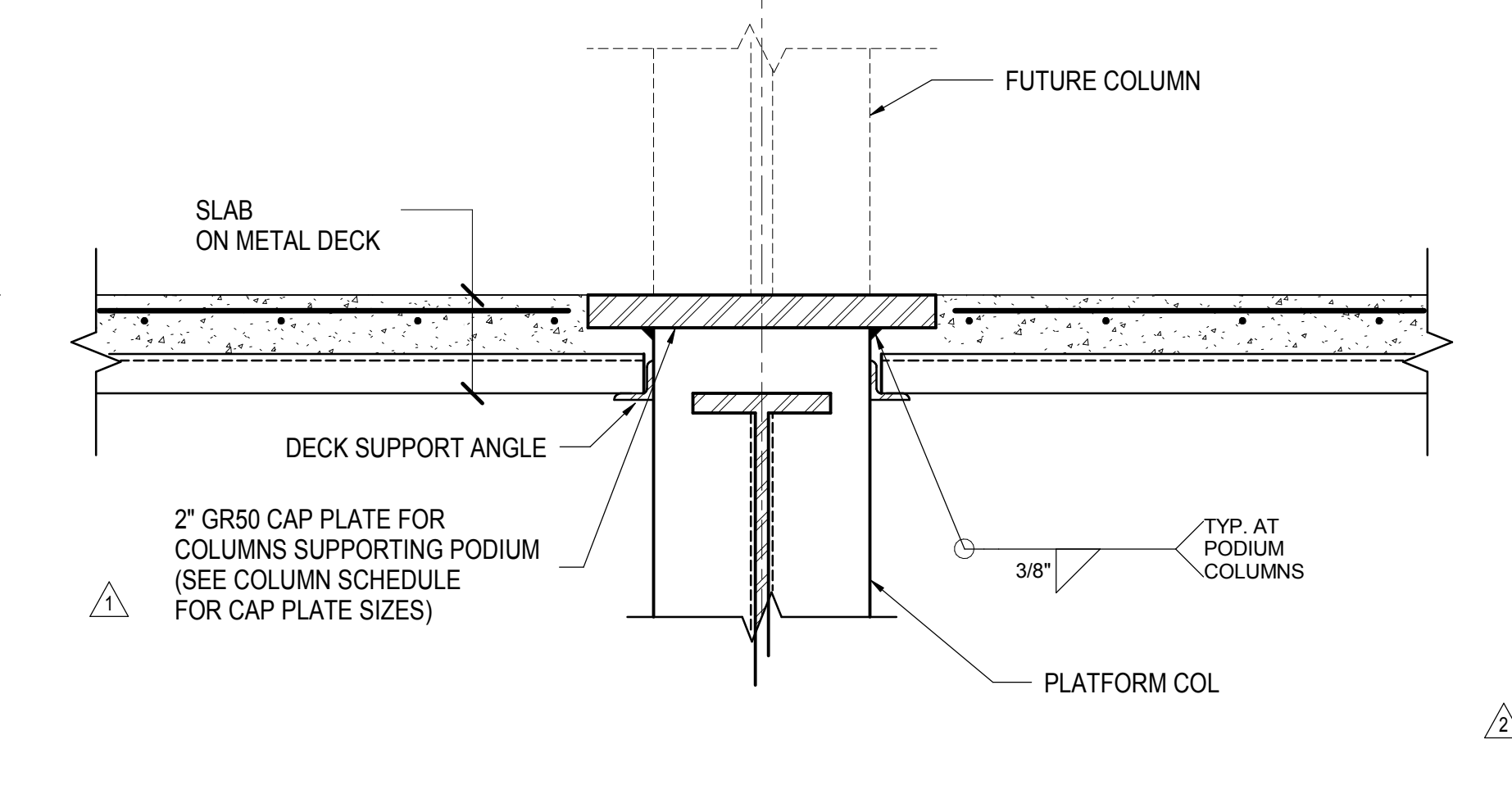
1 TYPICAL DETAIL AT FUTURE COLUMN SUPPORTED ON PLATE GIRDER

1" = 1'-0"



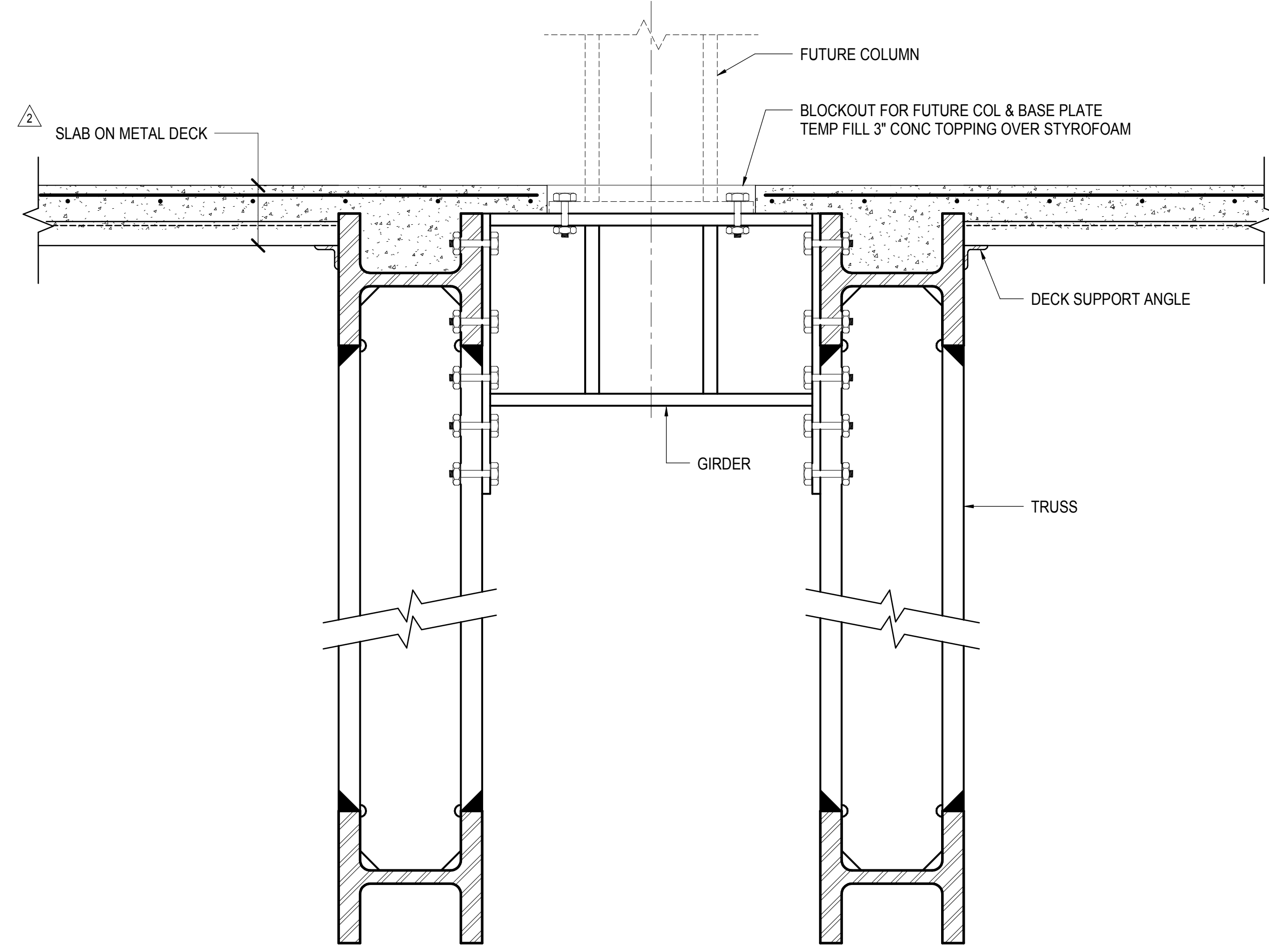
2 TYPICAL DETAIL AT FUTURE COLUMN SUPPORTED ON TRUSS CHORD

1" = 1'-0"



3 TYPICAL DETAIL AT FUTURE PODIUM COLUMN SUPPORTED ON PLATFORM COLUMN

1" = 1'-0"



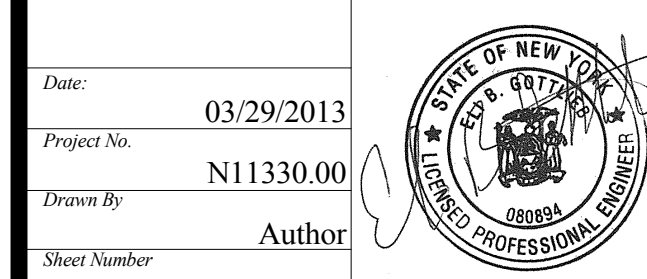
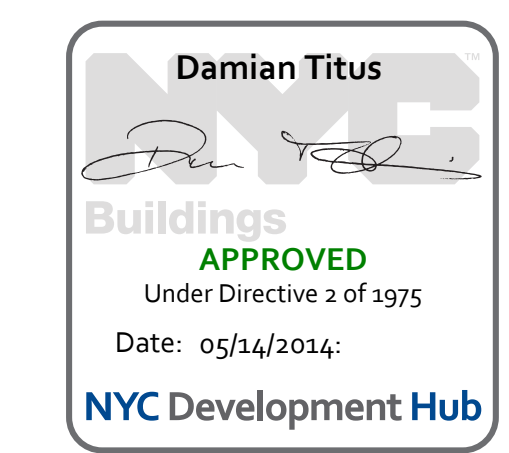
4 TYPICAL DETAIL AT FUTURE COLUMN SUPPORTED ON DOUBLE TRUSS

1" = 1'-0"

Blank table area for project notes or schedule.

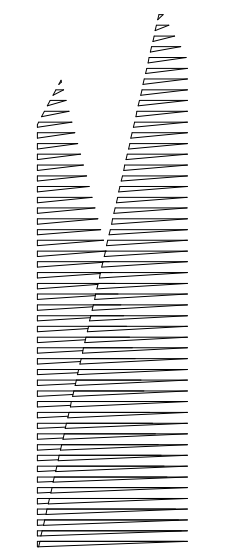
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| NYC DOB FILING | 12/4/2013 | |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 | |
| Mod - PLATFORM SUBMISSION | | |
| 2. DE-2 PHASE I STRUCTURAL UPDATE | 11/1/2013 | |
| NYC DOB FILING | 10/4/2013 | |
| 3. DE-1 PHASE I STRUCTURE UPDATE | 9/20/2013 | |
| LIRR - 90% SUBMISSION | 8/09/2013 | |
| NYC DOB FILING | 6/17/2013 | |
| LIRR - 60% SUBMISSION | 5/29/2013 | |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 | |
| Rev | Description | Date |

Rev Plot



HYE - PL - S-330.00
Drawing Title
FUTURE COLUMN CONNECTION DETAILS

Drawing Number / B/S/C/S Drawing Number
S-330.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. PLATFORM SUBMISSION | 11/1/2013 |
| Δ DR-01 PHASE I STRUCTURE UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 10% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| Δ Description | Δ |

| | |
|----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. PLATFORM SUBMISSION | 11/1/2013 |
| Δ DR-01 PHASE I STRUCTURE UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 10% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| Δ Description | Δ |

Rev. Plot

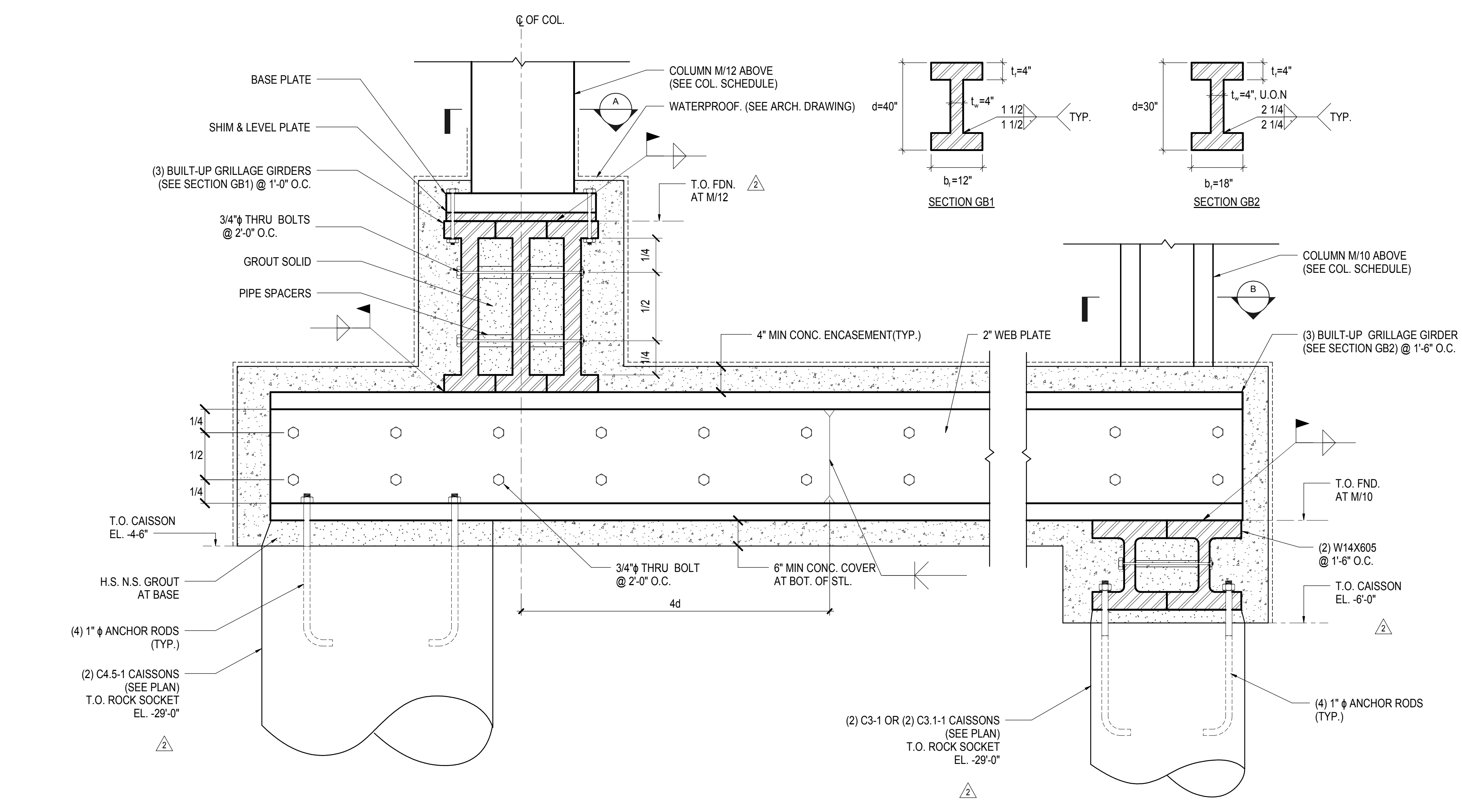
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Project No: N11330.00
Drawn By: Author
Issue Number: 0000

HYE-PL-S-351.00

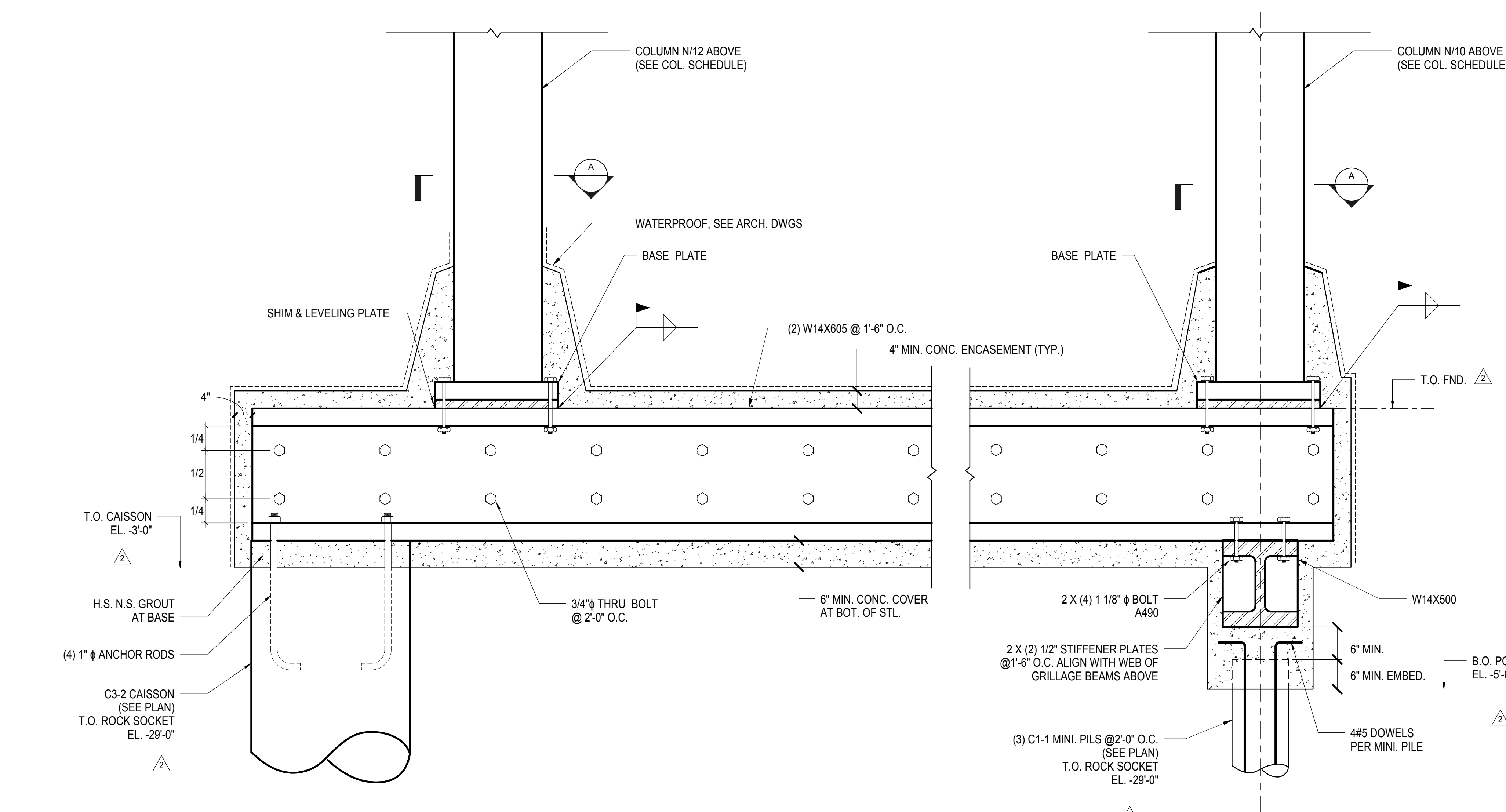
EAST PLATFORM FOUNDATION SECTIONS AND DETAILS

Drawing Number / Revision Drawing Number
S-351.00

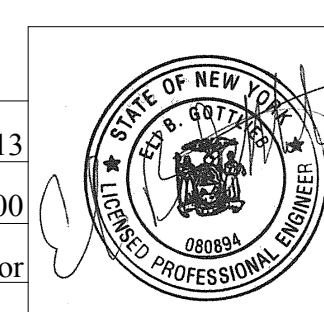
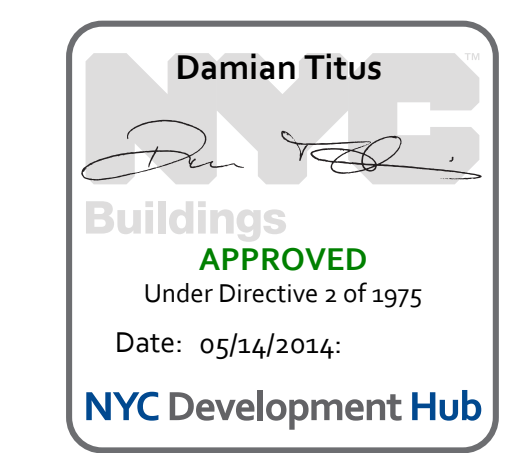
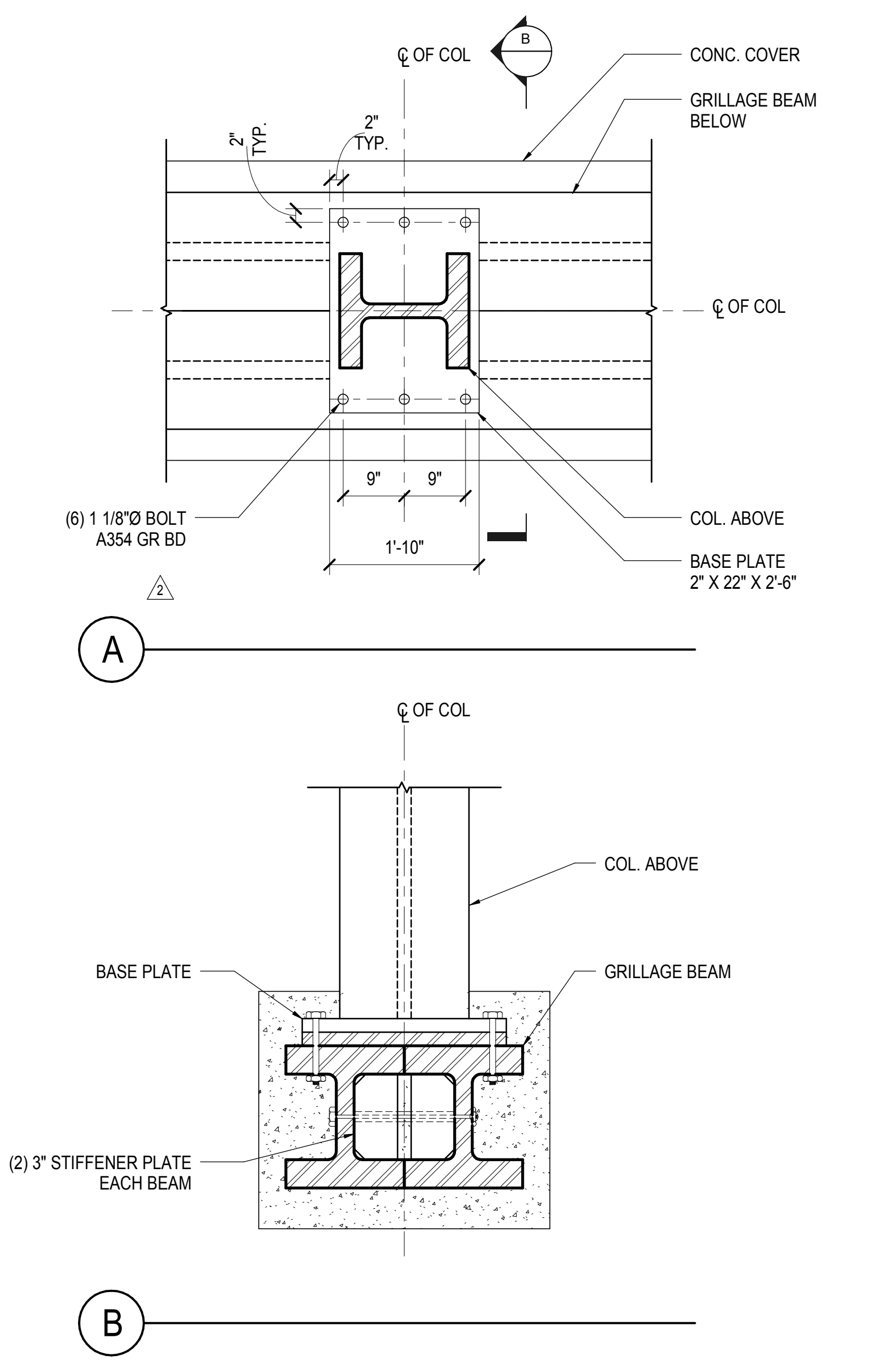
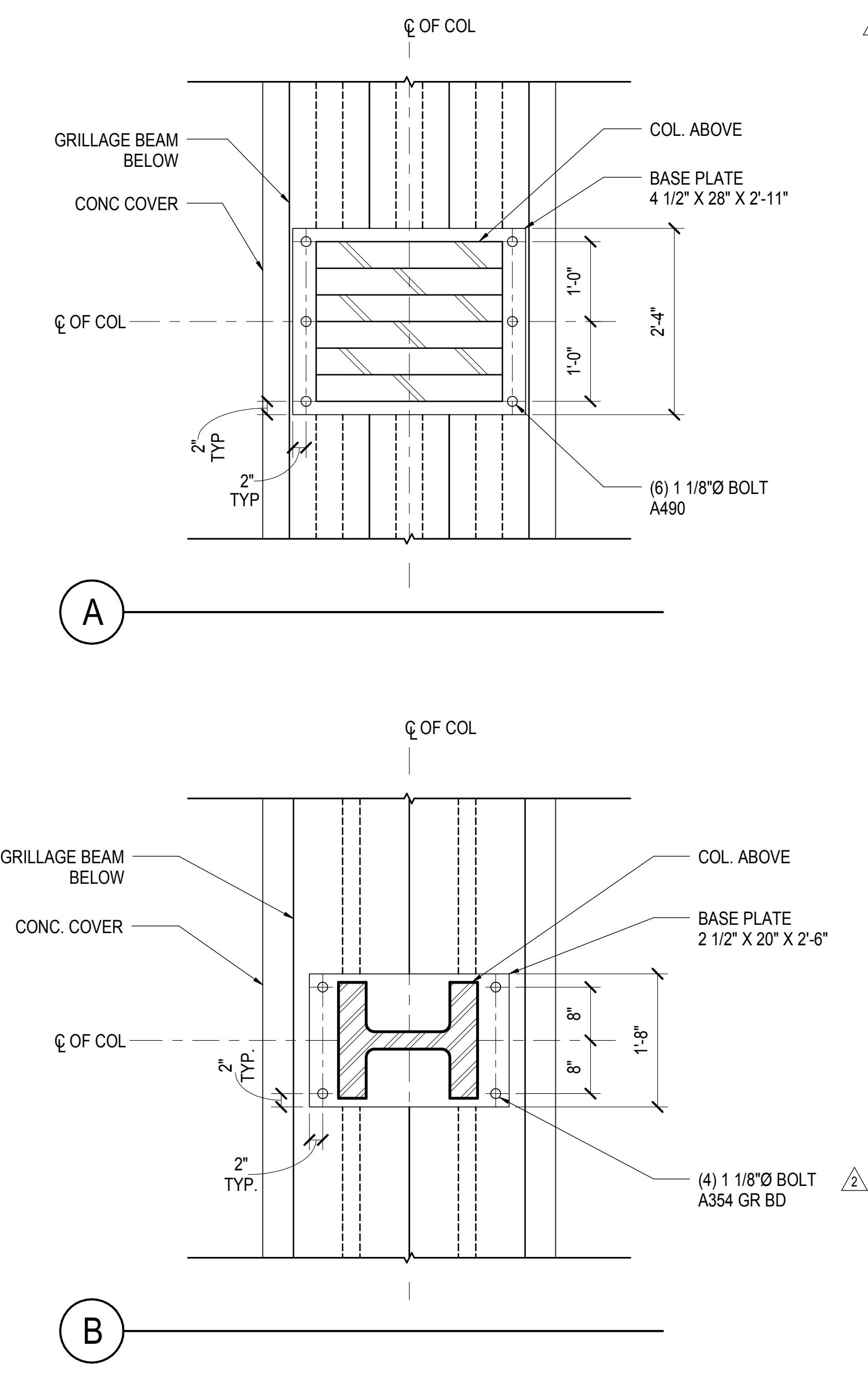
SHEET 101 OF 201

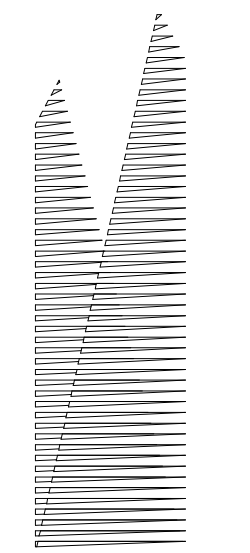


1 TRANSFER GRILLAGE BEAMS ABOVE AMTRAK NORTH RIVER TUNNEL @M-LINE
3/4" = 1'-0"



2 TRANSFER GRILLAGE BEAMS ABOVE AMTRAK NORTH RIVER TUNNEL @N-LINE
3/4" = 1'-0"





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

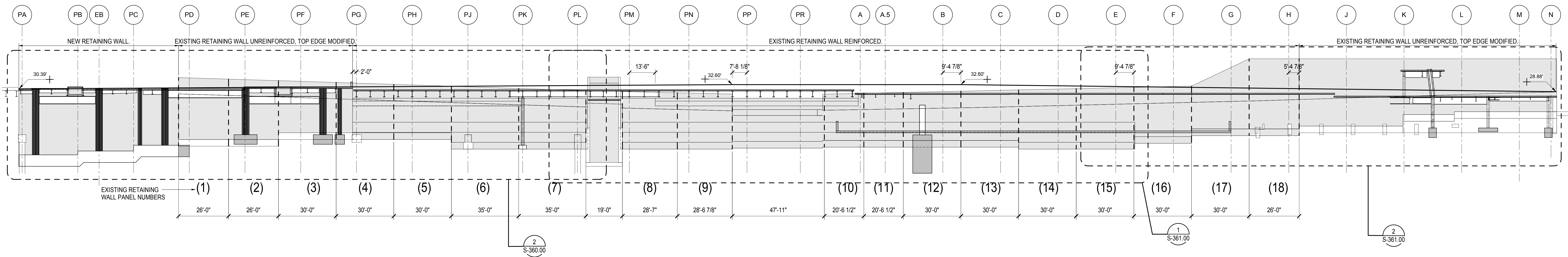
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

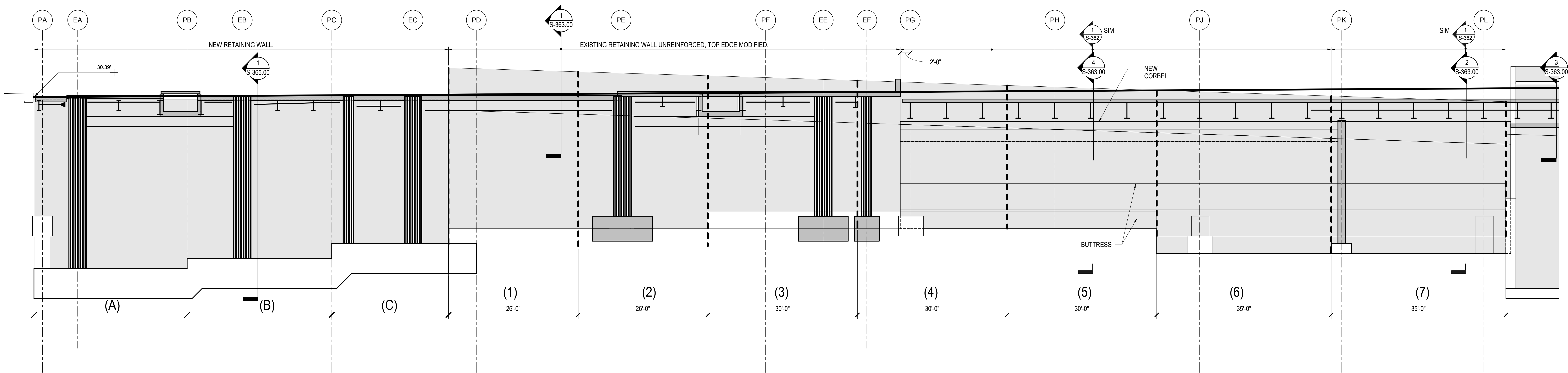
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



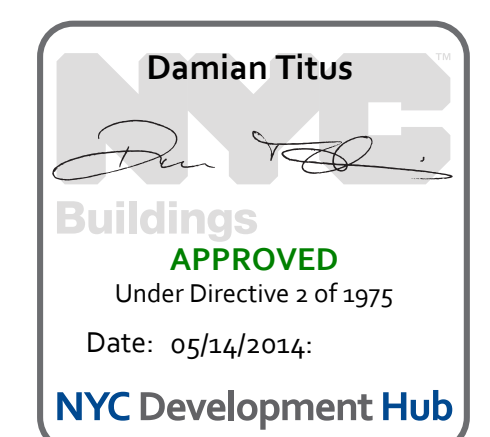
① **RETAINING WALL @33rd STREET - FULL ELEVATION**
1" = 20'-0"



② **2/360 - RETAINING WALL @33rd STREET - ELEVATION FROM 11TH AVE TO GRIDLINE PL**
1/8" = 1'-0"

| | |
|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| 2. D402 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| 3. Description | 2013 |

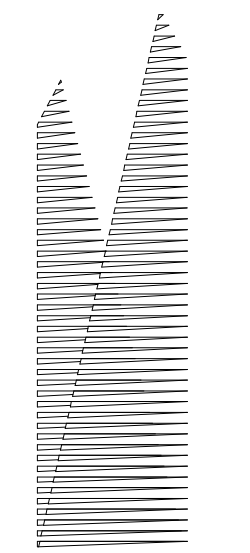
For Plot



Project No. 11/01/13
Title No. N11330.00
Author

HYE -PL -S-360.00
RETAINING WALL @ 33rd STREET - ELEVATIONS I

Drawing Number / B/S/C/N Drawing Number
S-360.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

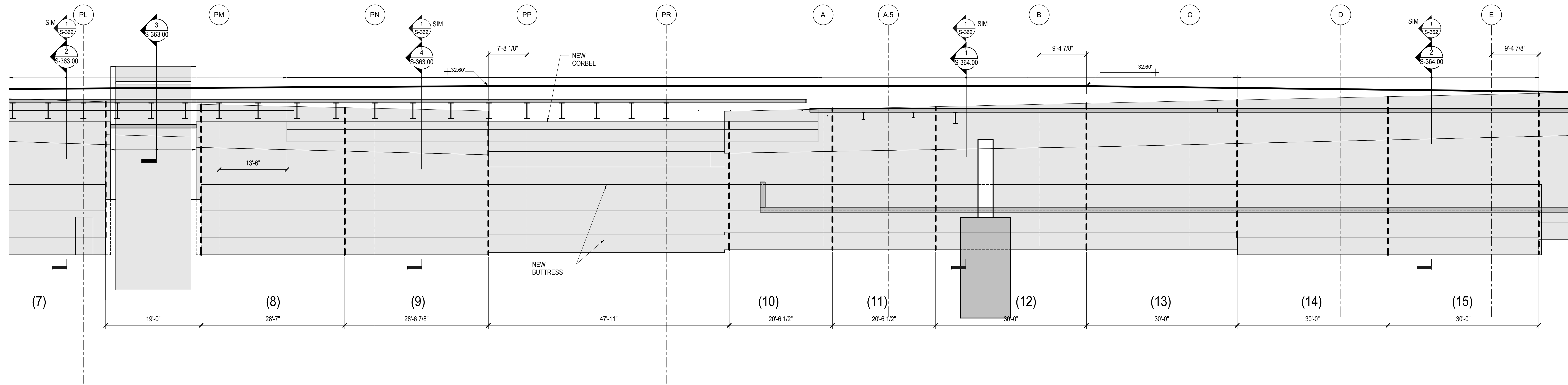
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

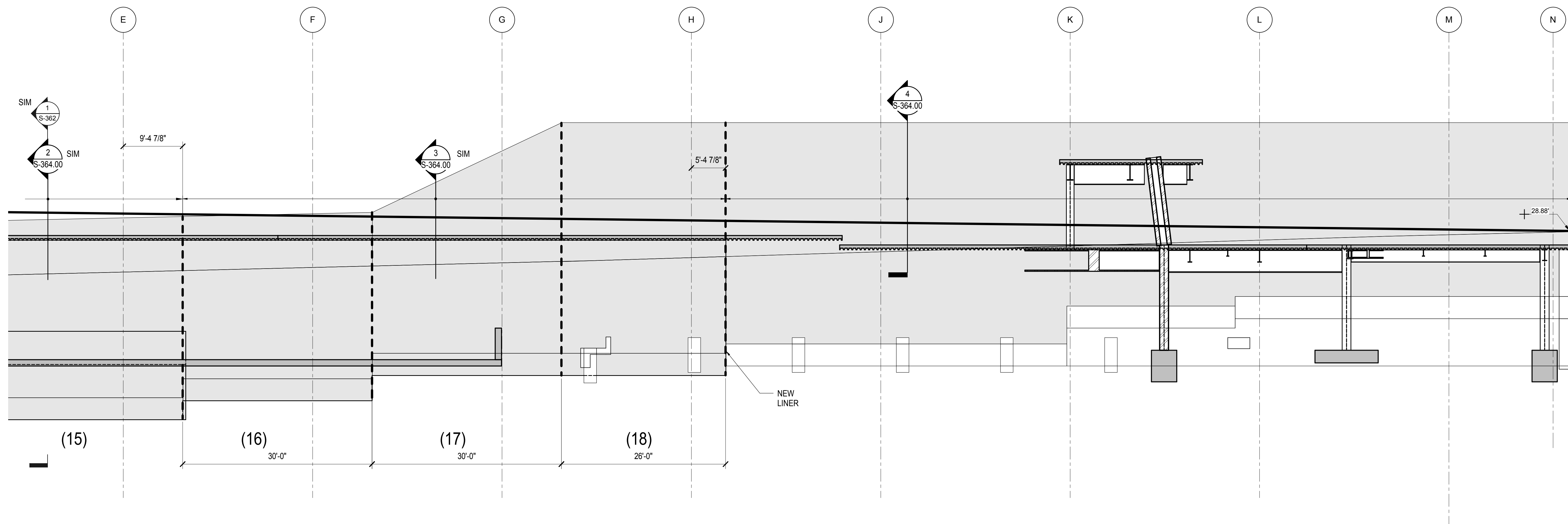
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



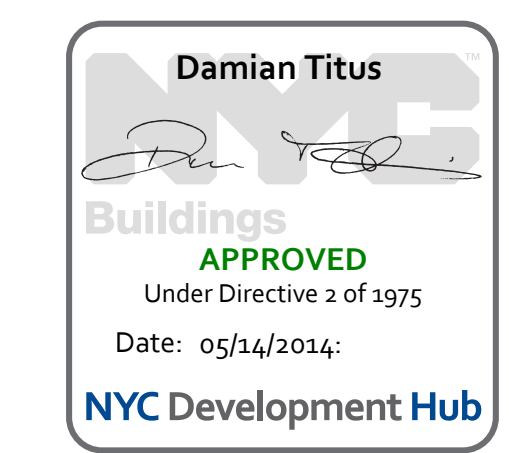
① RETAINING WALL @33rd STREET - ELEVATION FROM GRIDLINE PL TO GRIDLINE E
1/8" = 1'-0"



② RETAINING WALL @33rd STREET - ELEVATION FROM GRIDLINE E TO 10th AVE
1/8" = 1'-0"

| | |
|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PREL-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| 2. D4-D PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| Rev | Description |

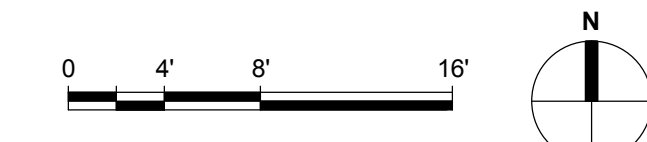
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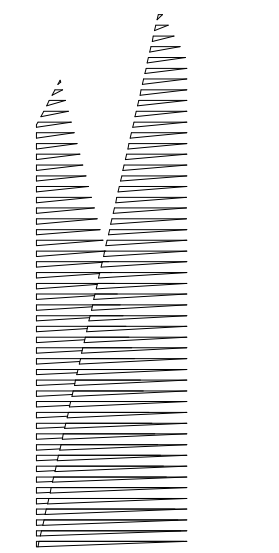
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HYE - PL - S-361.00
**RETAINING WALL @
33rd STREET -
ELEVATIONS II**

Drawing Number / B/S/C/N Drawing Number
S-361.00
SHEET 110 OF 201



S-361.00
11/22/2013 1:28:51 PM
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

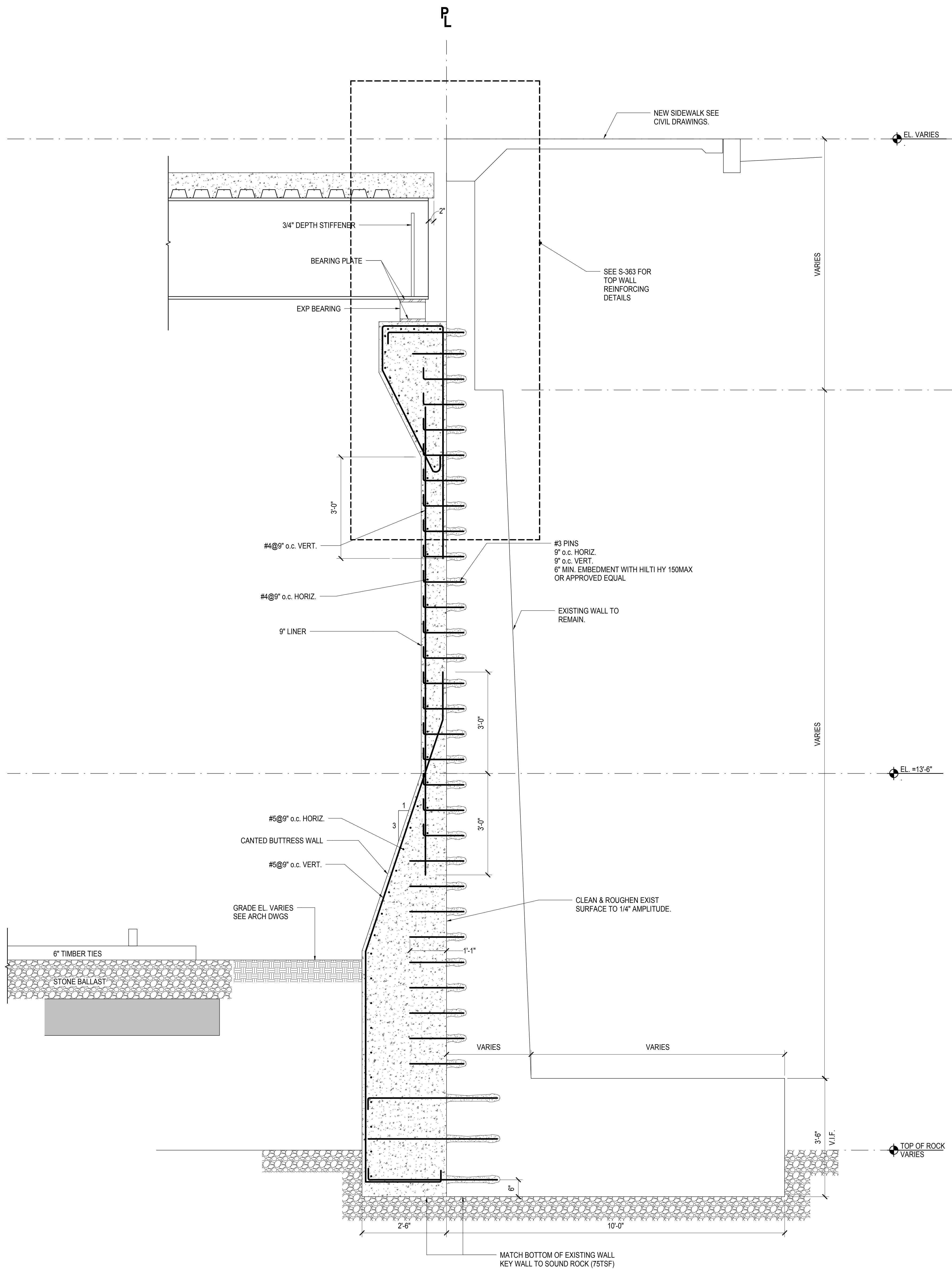
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

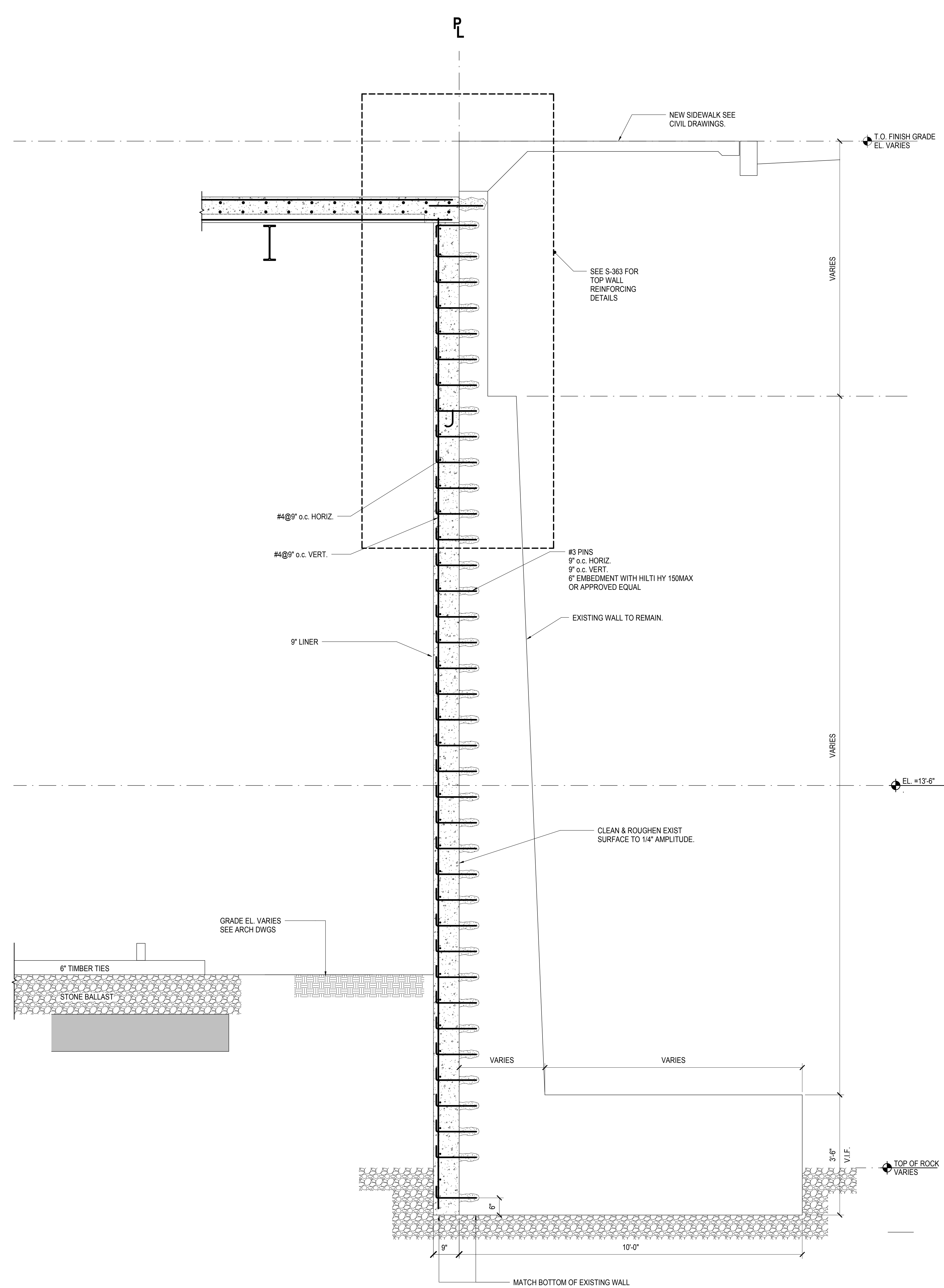
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PREL-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| 2. DHD PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| Rev | Desc |

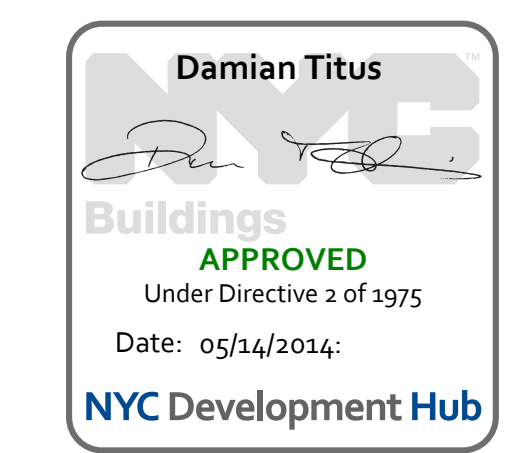
Rev



1 TYPICAL SECTION REINFORCED WALL WITH BUTTRESS
3/4" = 1'-0"



2 TYPICAL SECTION REINFORCED WALL
3/4" = 1'-0"

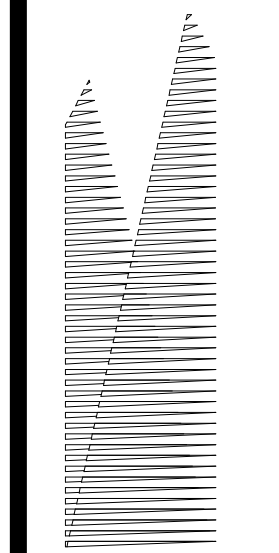


Drawn By: 11/01/13
Project No: N11330.00
Checked By: Author
Sheet Number:

HYE -PL -S-362.00
RETAINING WALL @
33rd STREET - TYPICAL
SECTIONS

Drawing Number / Revision Drawing Number
S-362.00
SHEET 111 OF 201

RETAINING WALL @ 33rd STREET - TYPICAL SECTIONS
 S-362.00
 11/22/2013 1:38:58 PM
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

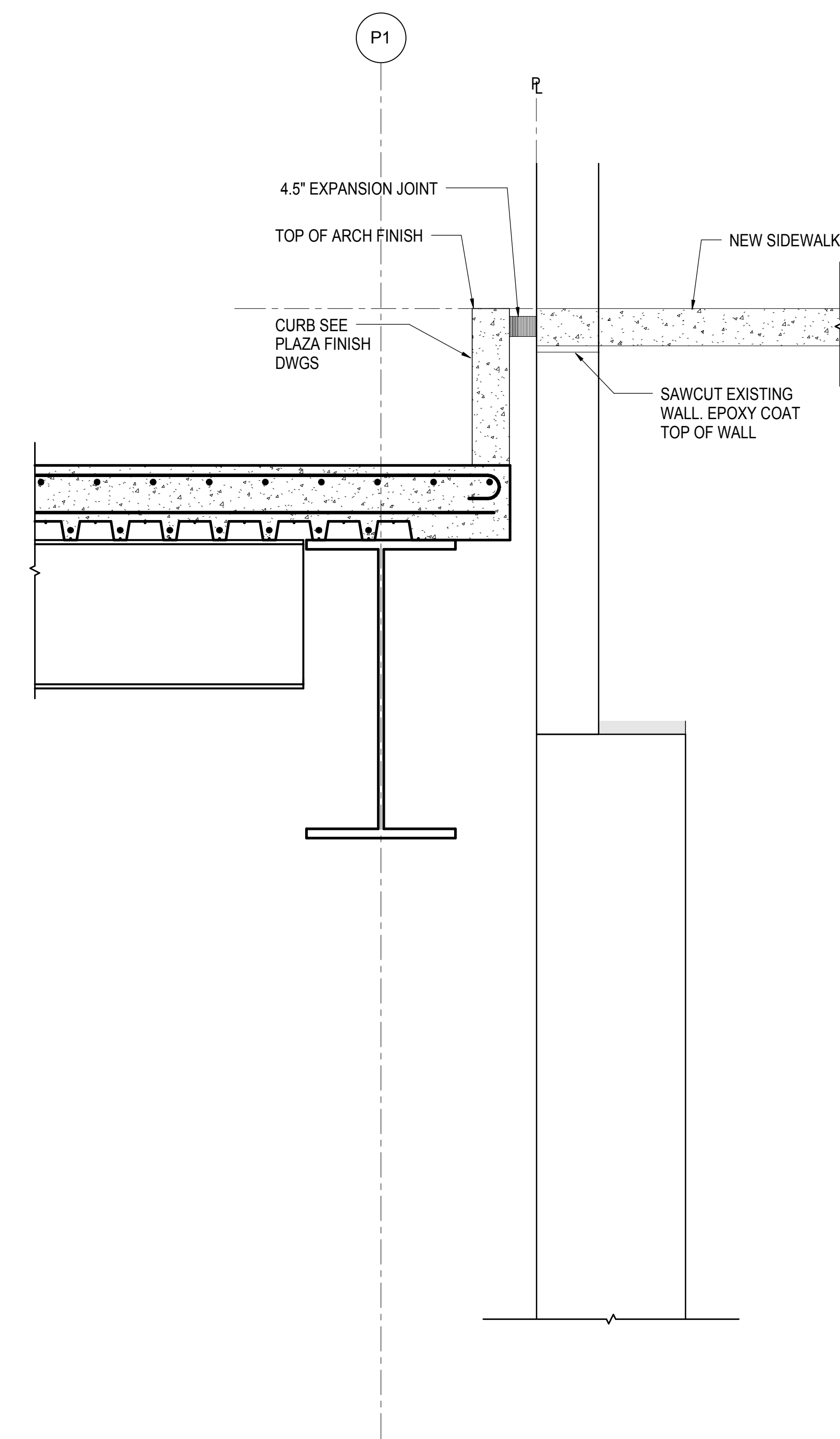
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

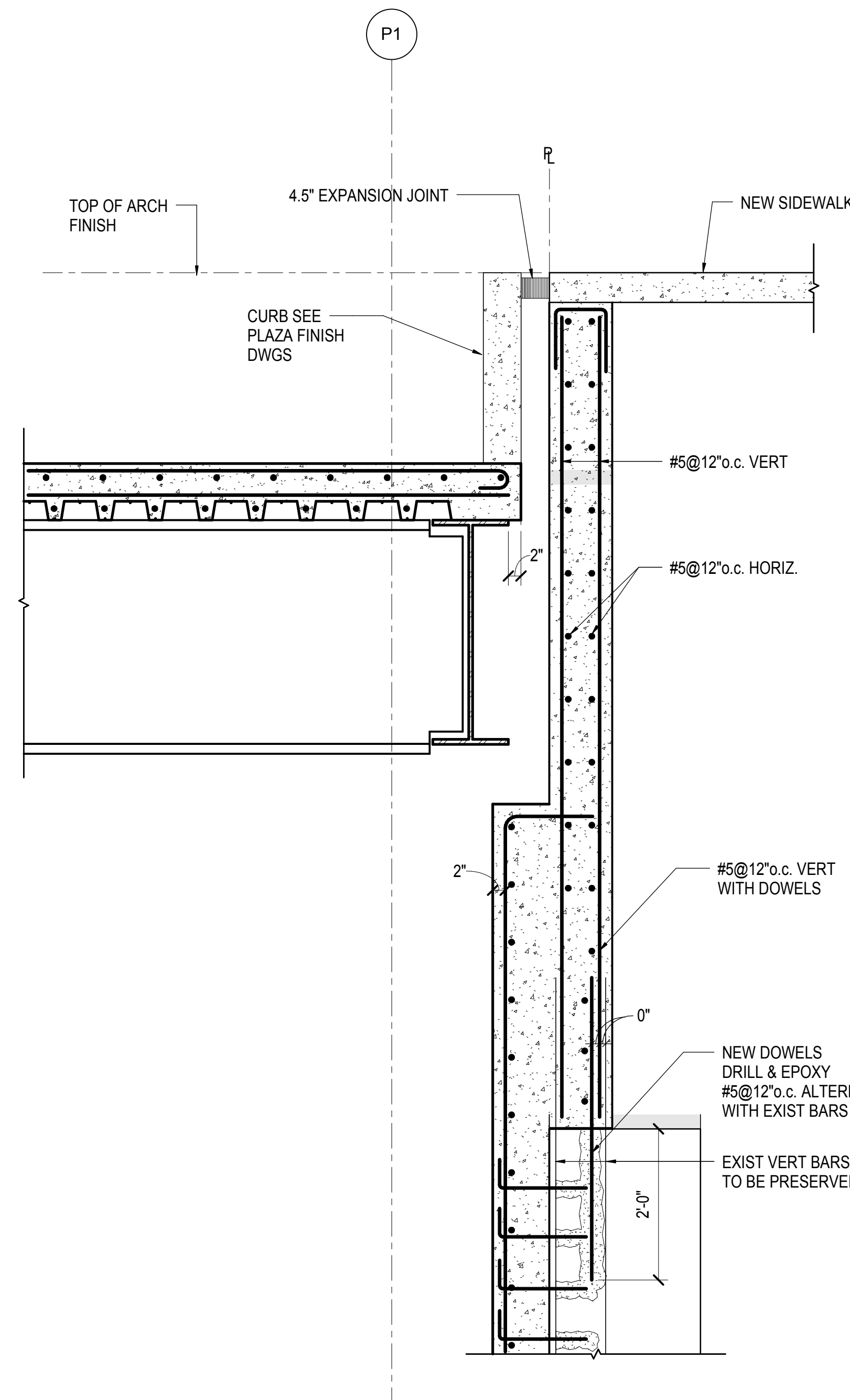
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

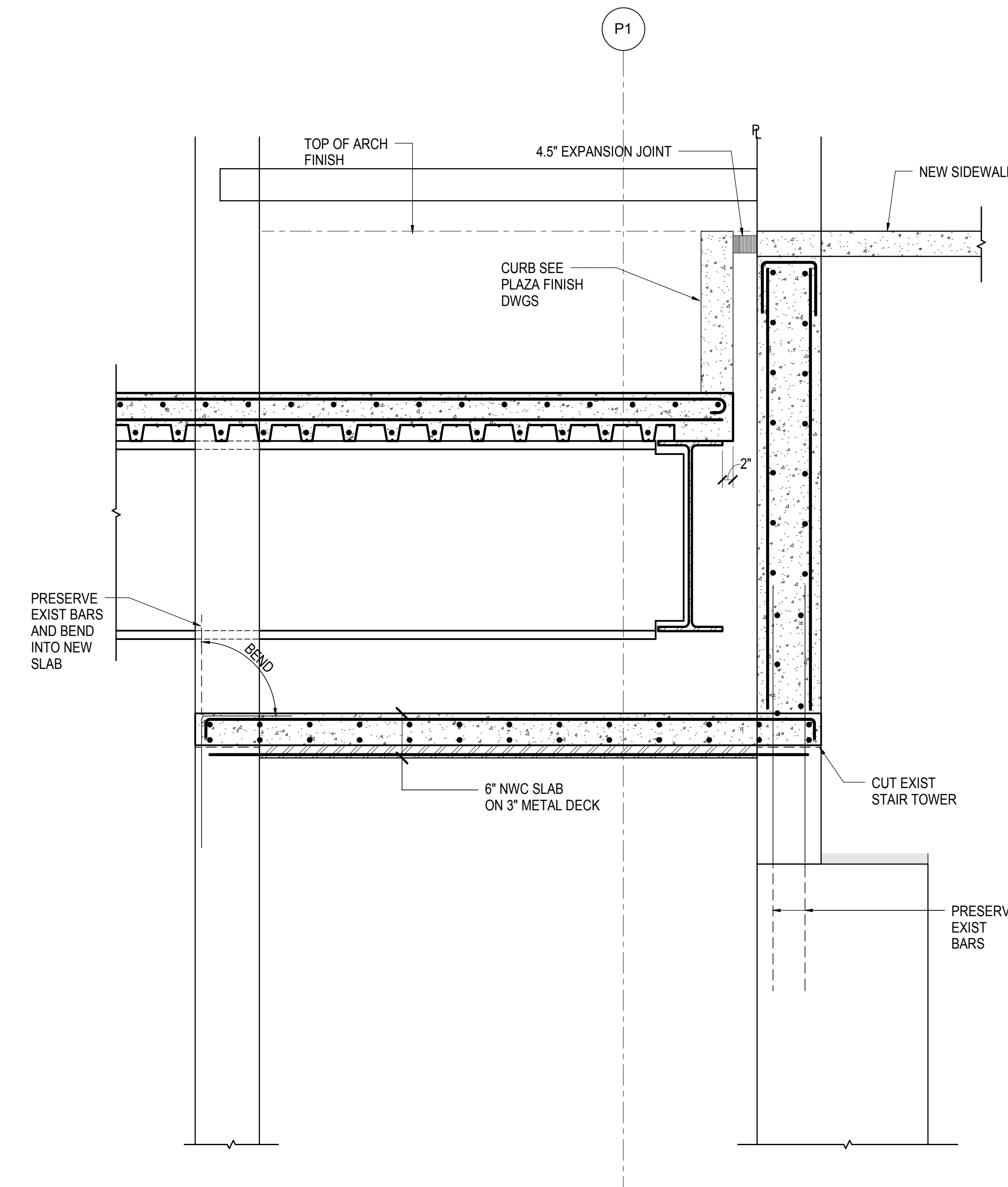
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



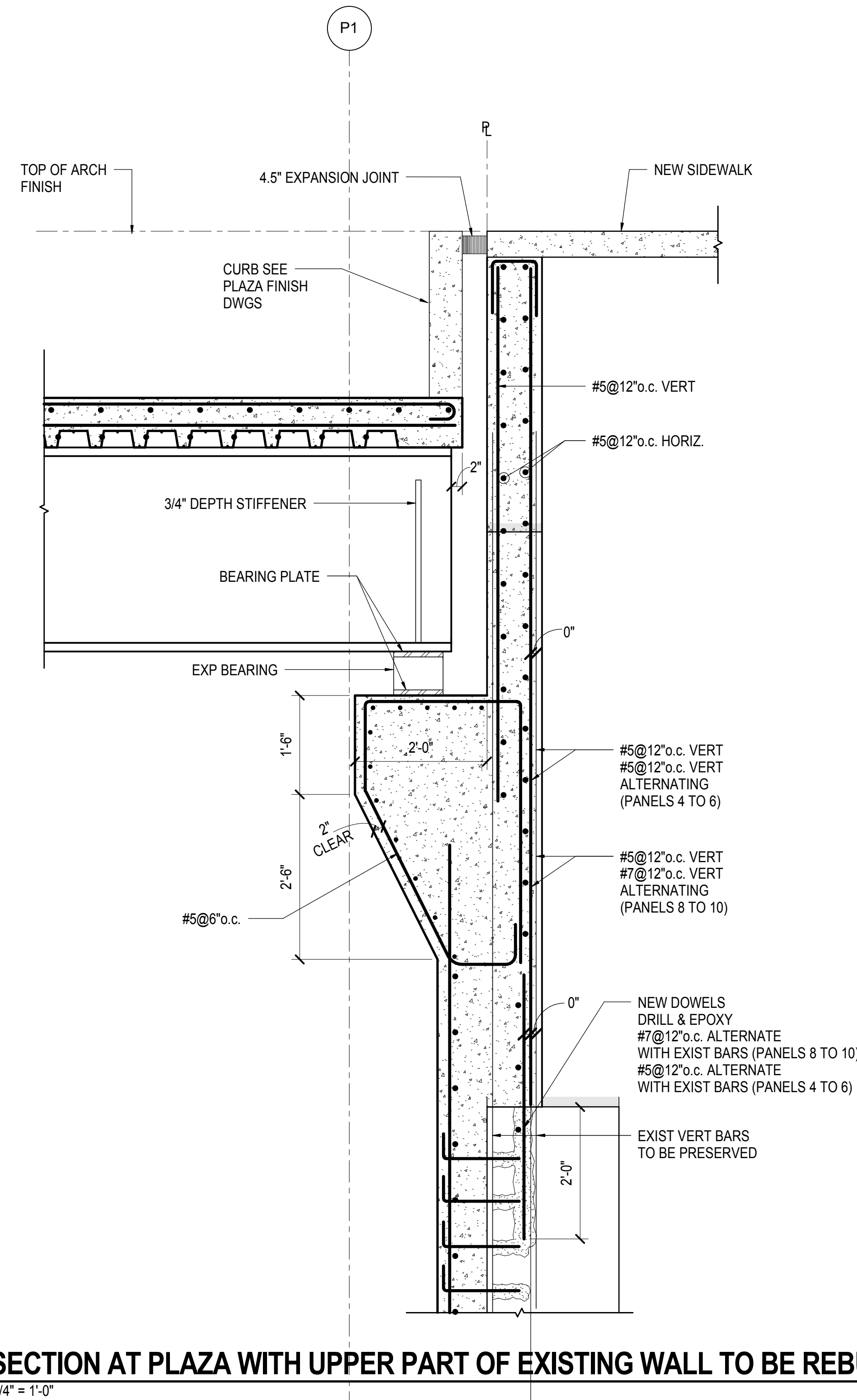
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3/4" = 1'-0"



2 SECTION AT PLAZA WITH EXISTING WALL REBUILT - NO CORBEL
3/4" = 1'-0"



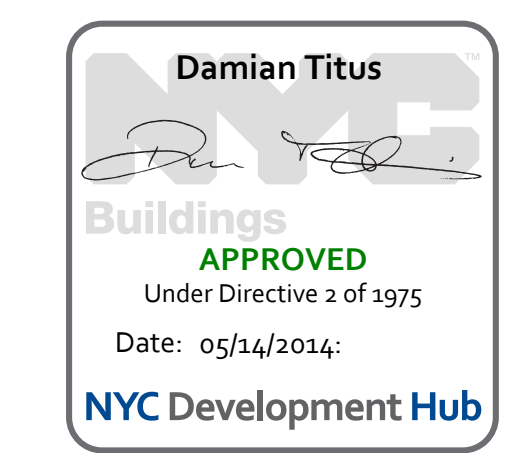
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3/4" = 1'-0"



4 SECTION AT PLAZA WITH UPPER PART OF EXISTING WALL TO BE REBUILT
3/4" = 1'-0"

| | |
|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| 2. D4-D PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |

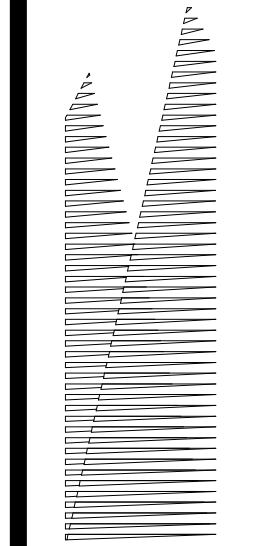
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Date: 11/01/13
Project No: N11330.00
Author: Author

HYE -PL -S-363.00
RETAINING WALL @
33rd STREET - TOP
SECTION DETAILS I

Drawing Number / Revision Drawing Number
S-363.00
SHEET 112 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

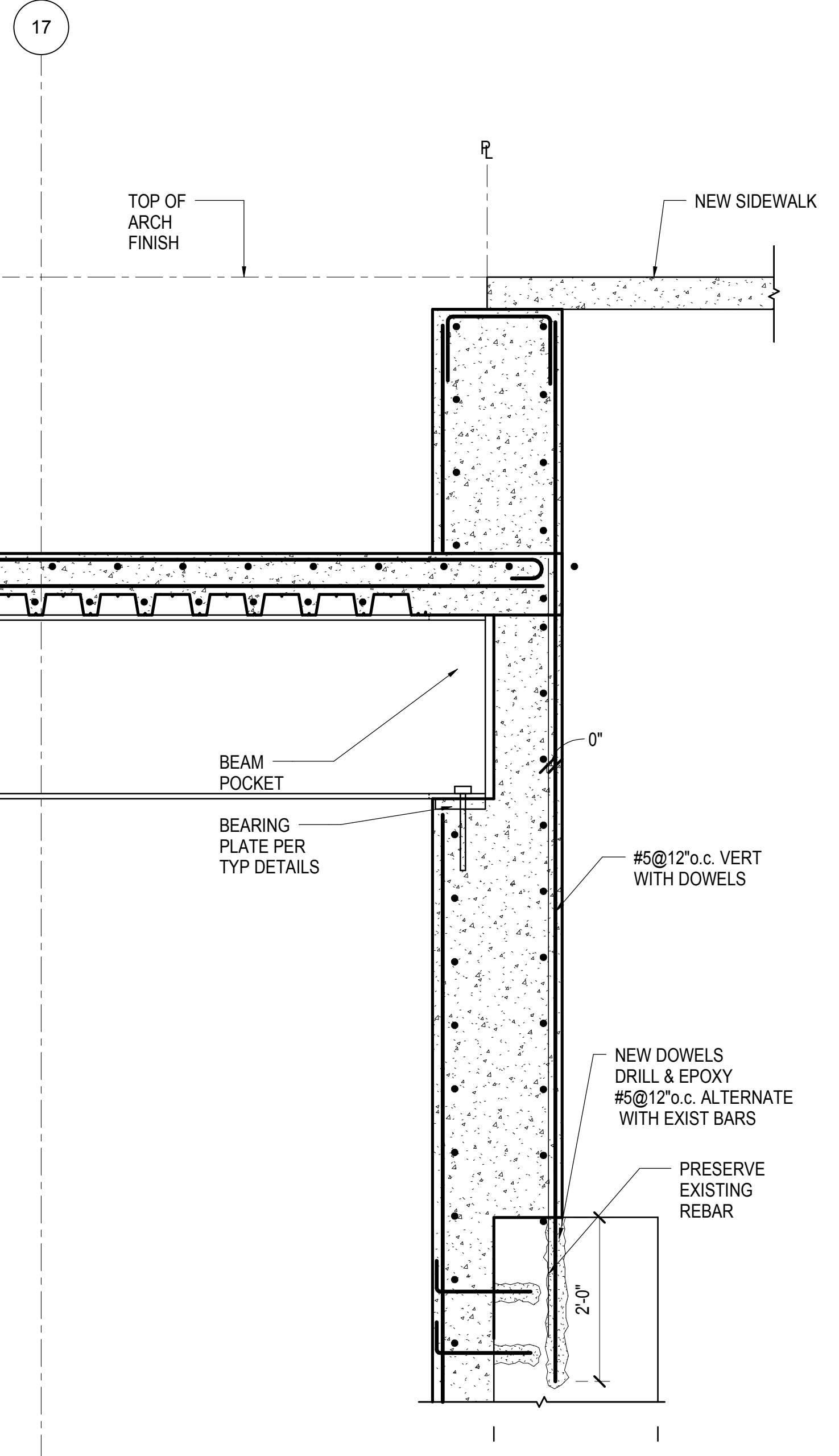
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

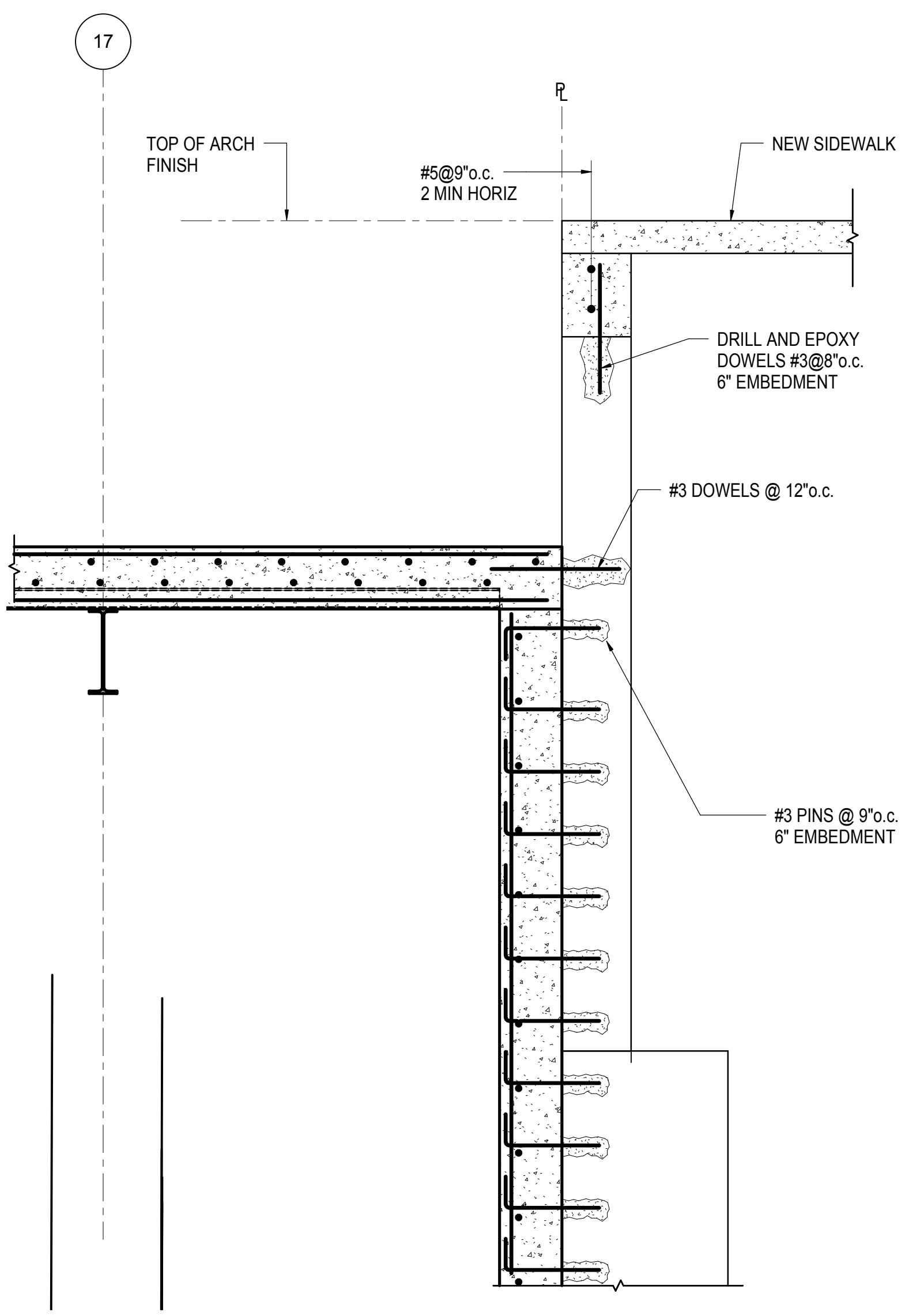
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

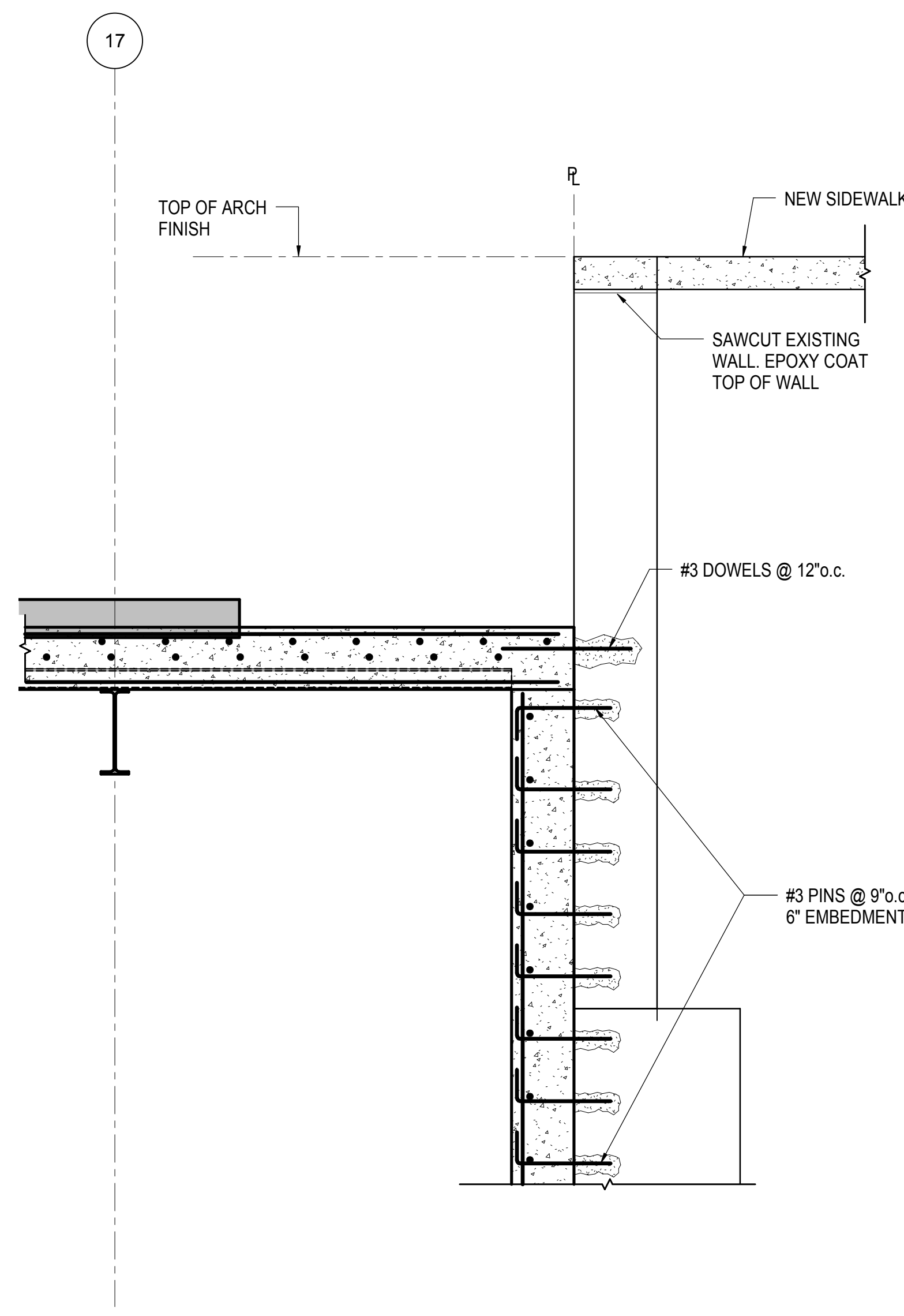
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



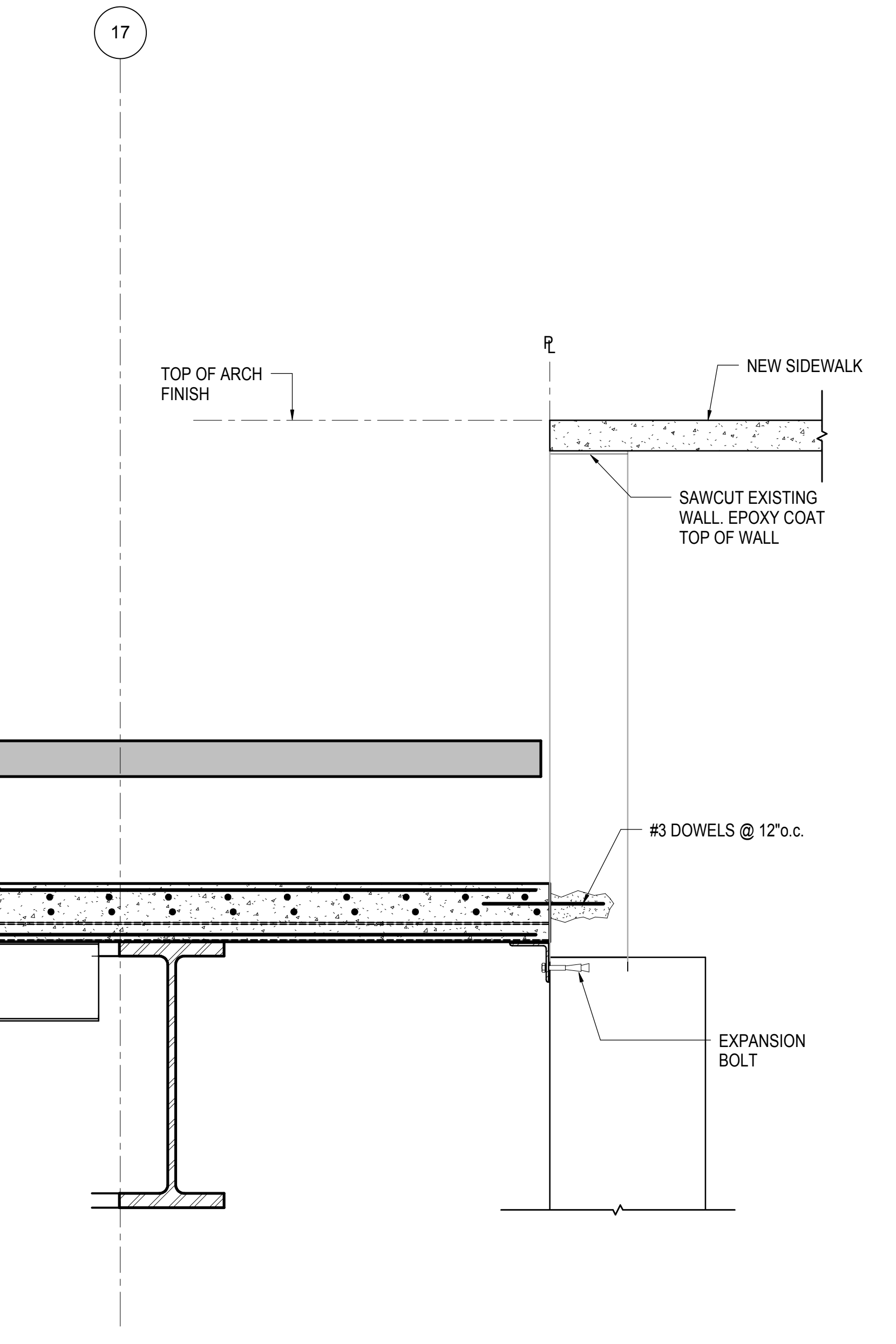
1 SECTION AT TOWER A WITH UPPER PART OF EXISTING WALL TO BE REBUILT
3/4" = 1'-0"



2 SECTION AT TOWER A WITH EXISTING WALL LOWER THAN TOP OF CURB
3/4" = 1'-0"



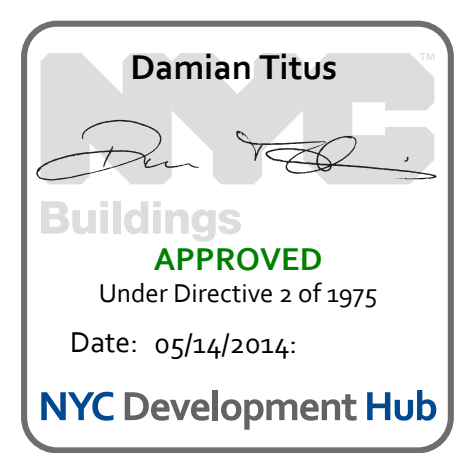
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3/4" = 1'-0"



4 SECTION AT TOWER A WITH EXISTING WALL HIGHER THAN TOP OF CURB - NO LINER
3/4" = 1'-0"

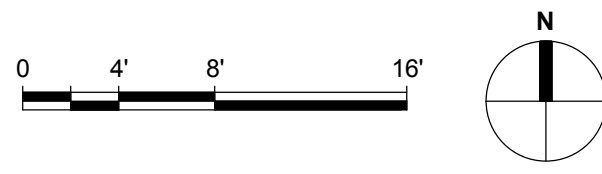
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.C. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| D42 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |

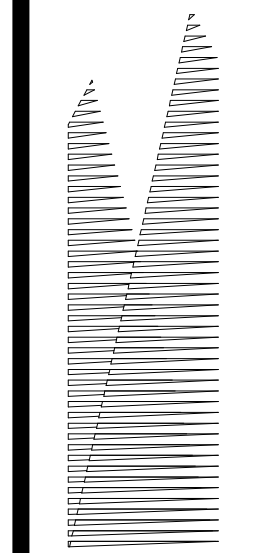
Rev. Plot



Date: 11/01/13
Project No: N11330.00
Author: [Signature]
Issue Number: [Signature]

HYE - PL - S-364.00
RETAINING WALL @
33rd STREET - TOP
SECTION DETAILS II





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

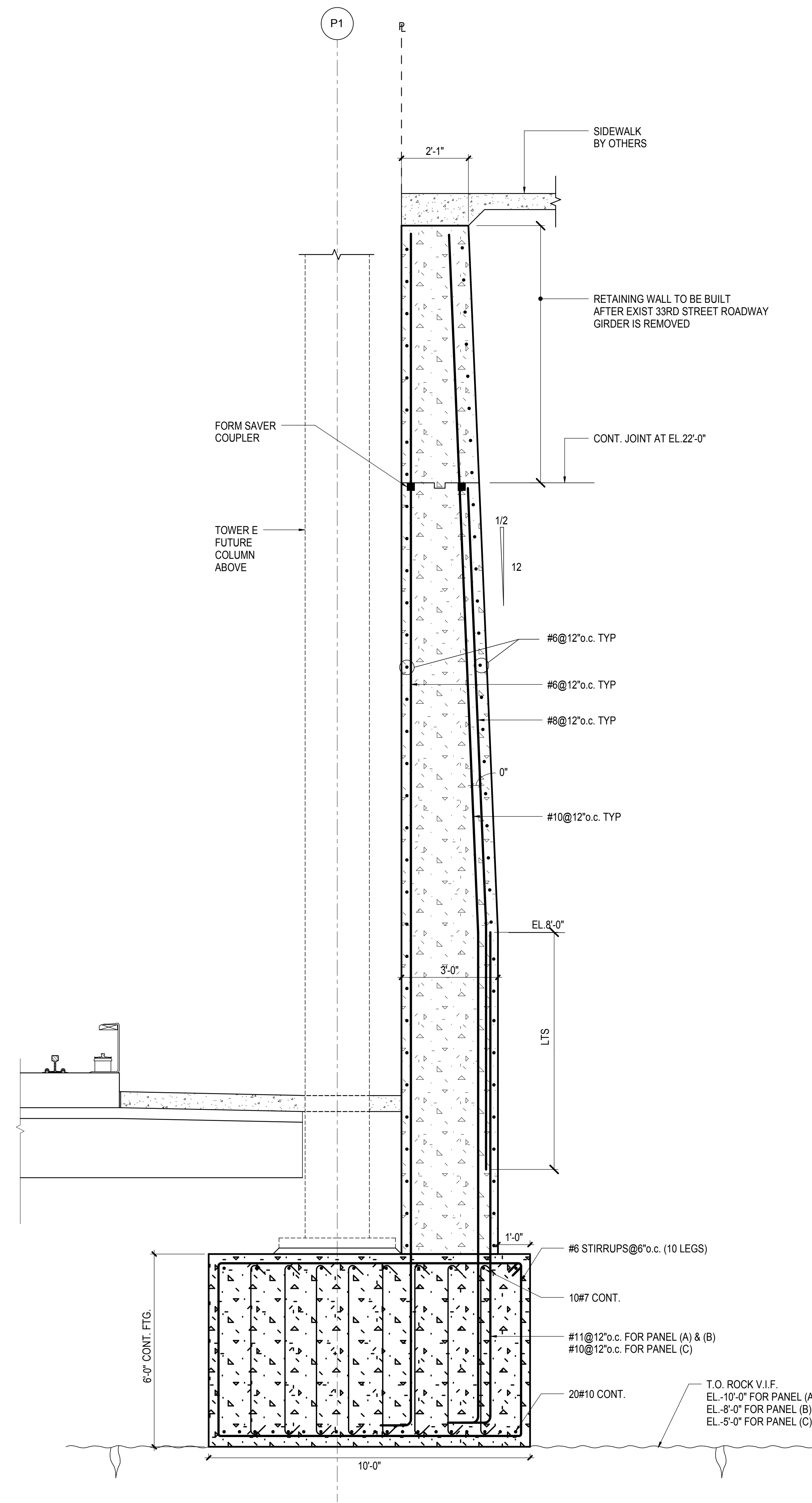
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
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*Civil, Mechanical, Electrical, Plumbing,
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Parsons Transportation Group*
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New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

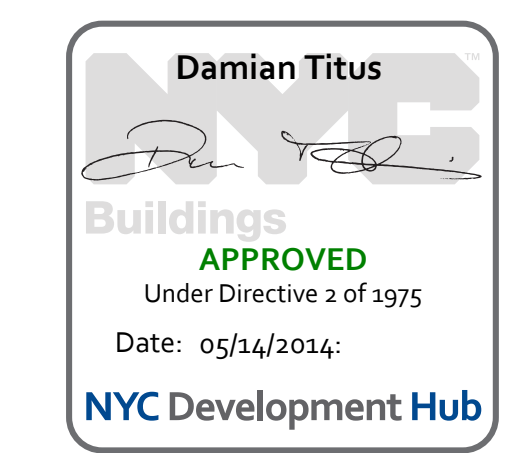
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TYPICAL NEW RETAINING WALL AT 33RD STREET
1/2" = 1'-0"

| | |
|-----------------|-----------|
| NYC DOB FILING | 12/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| No. Description | Date |

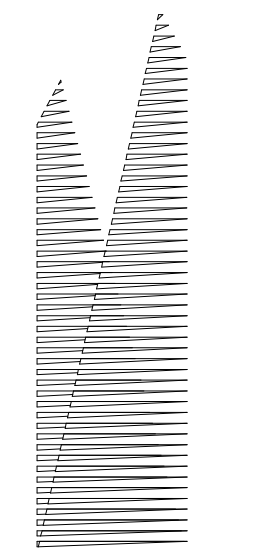
See Plan



| | |
|--------------|-----------|
| Date | 10/4/2013 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Sheet Number | |

HYE - PL - S-365.00
**TYPICAL NEW
RETAINING WALL AT
33RD STREET**

Drawing Number / BSCAN Drawing Number
S-365.00
SHEET 114 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

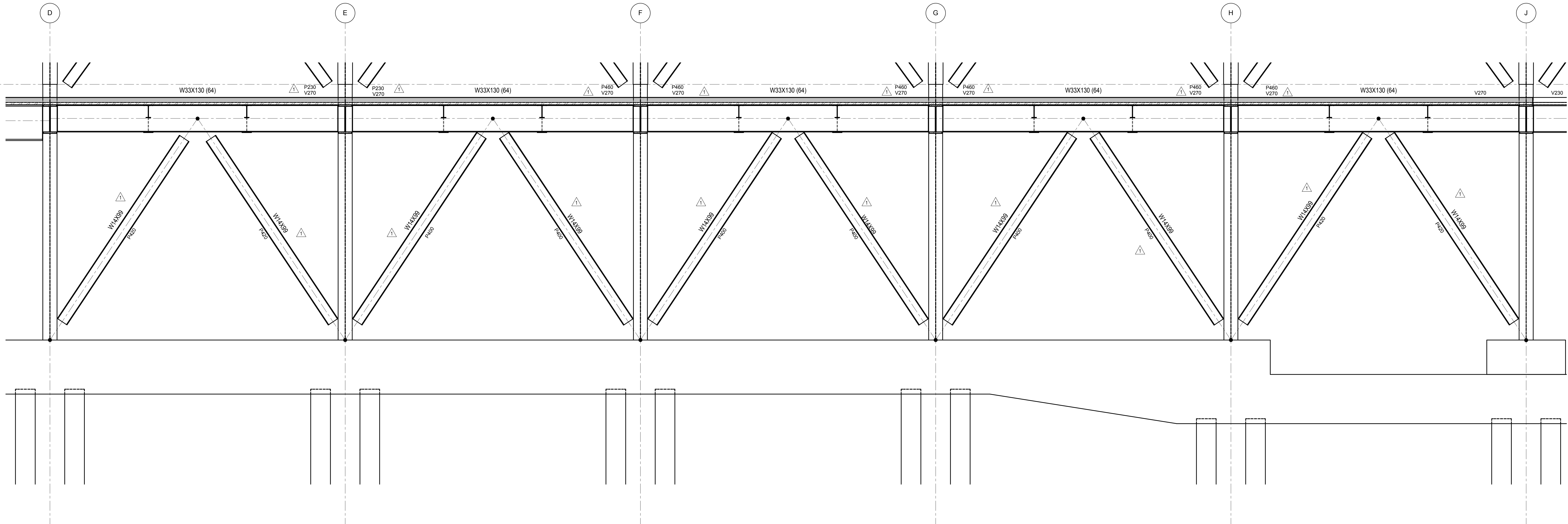
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

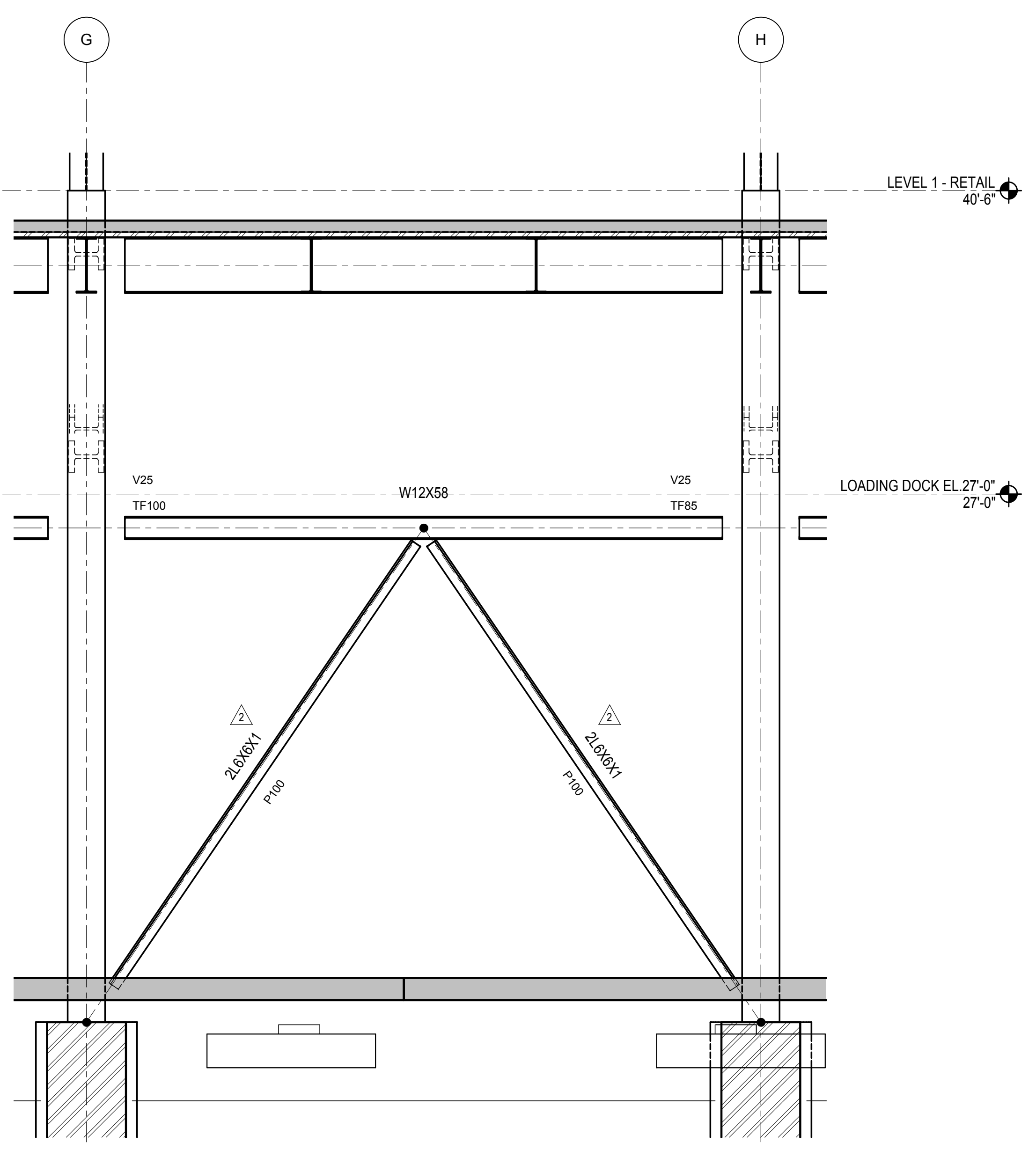
Civil, Mechanical, Electrical, Plumbing,
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Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



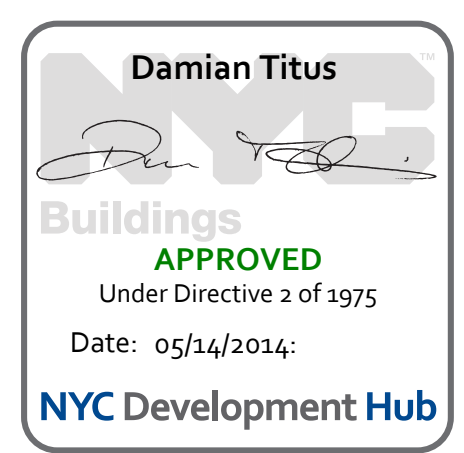
1 BRACED FRAME AT GRID 1
1/4" = 1'-0"



2 BRACED FRAME AT GRID 5
1/4" = 1'-0"

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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. - PLATFORM SUBMISSION | |
| Δ - DR-01 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 60% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
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| Rev | Description |

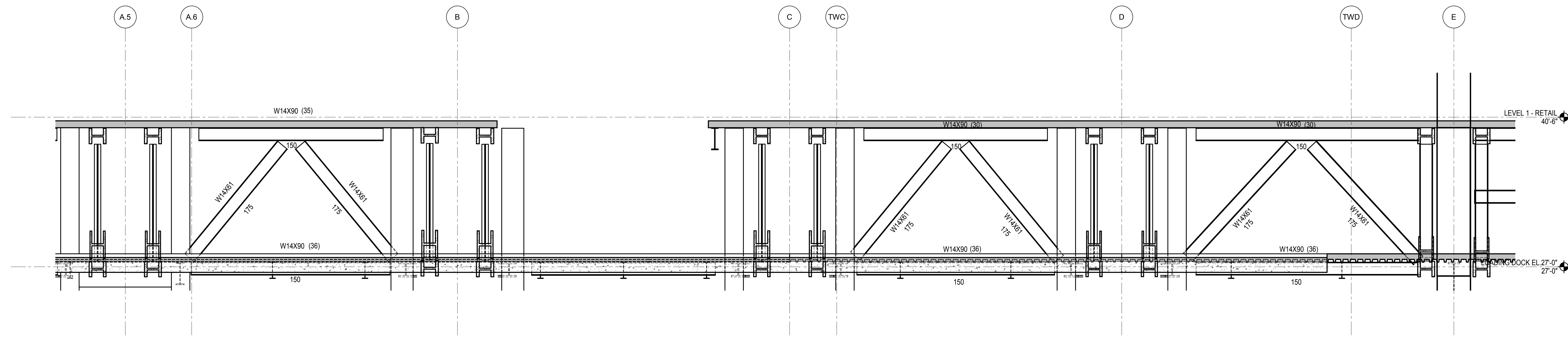
Rev Plot



Date: 05/29/2013
Project No: N11330.00
Author: Author

HYE - PL - S-400.00
Drawing Title
EAST PLATFORM BRACED FRAME ELEVATIONS

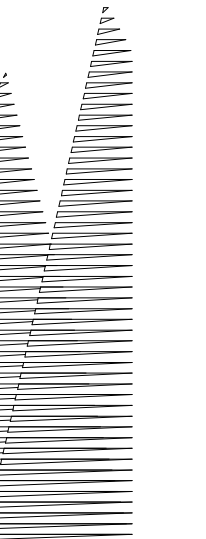
Drawing Number / B/S/C/S Drawing Number
S-400.00
SHEET 115 OF 201



1 ELEVATION TRUSSES T13.5A, T13.5B, T13.5C
1/4" = 1'-0"

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
520 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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100 Park Avenue, 5th Floor
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Architect
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PC Architects & Planning Consultants
11 West 42nd Street
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

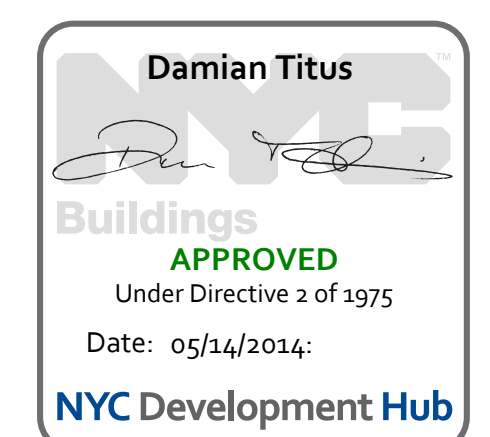
**Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security**
Parsons Transportation Group
100 Broadway
New York, NY 10005
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LIRR Ventilation
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New York, NY 10158
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| | |
|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MoE - PLATFORM SUBMISSION | |
| DL-20 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DL-20 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 200 |

See Plan



Date: 08/07/13

Project No: N11330.00

Drawn By: Author

Sheet Number:

HYE -PL -S-402.00

Drawing Title

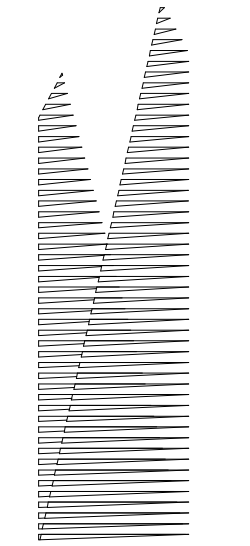
EAST PLATFORM BRACE ELEVATIONS AT GRID 13.5

Drawing Number / B/S/CAN Drawing Number

S-402.00

SHEET 117 OF 201

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60 Columbus Circle
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AECOM
405 Third Avenue
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| | |
|----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Md. - PL PLATFORM SUBMISSION | |
| A. DBO PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. DBO PHASE I STRUCTURE UPDATE | 9/20/2013 |
| W. Description | Rev. |

Rev. Plot

Date: 08/09/13
Project No: N11330.00
Title: Author
Sheet Number

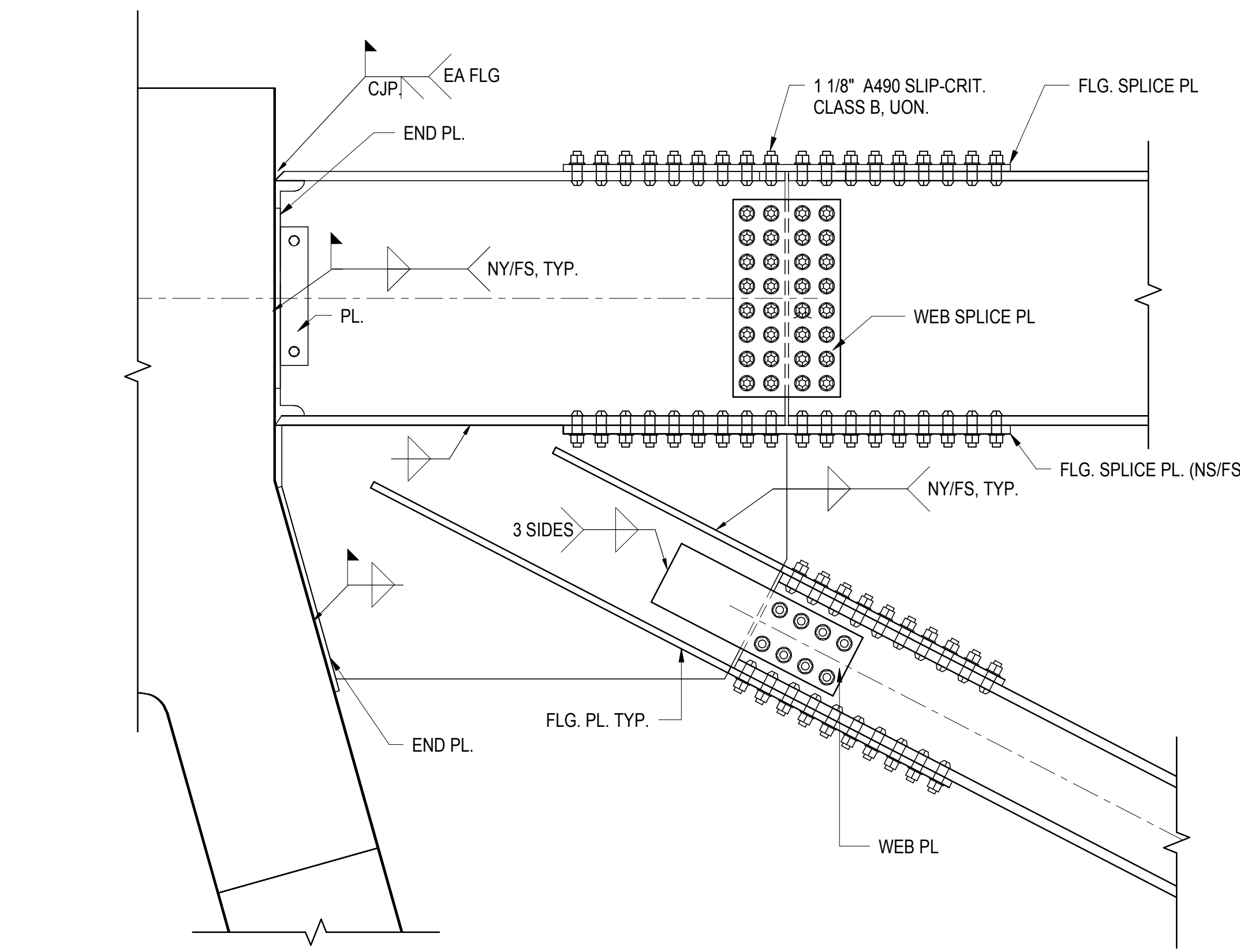
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VERTICAL BRACE SECTIONS AND DETAILS

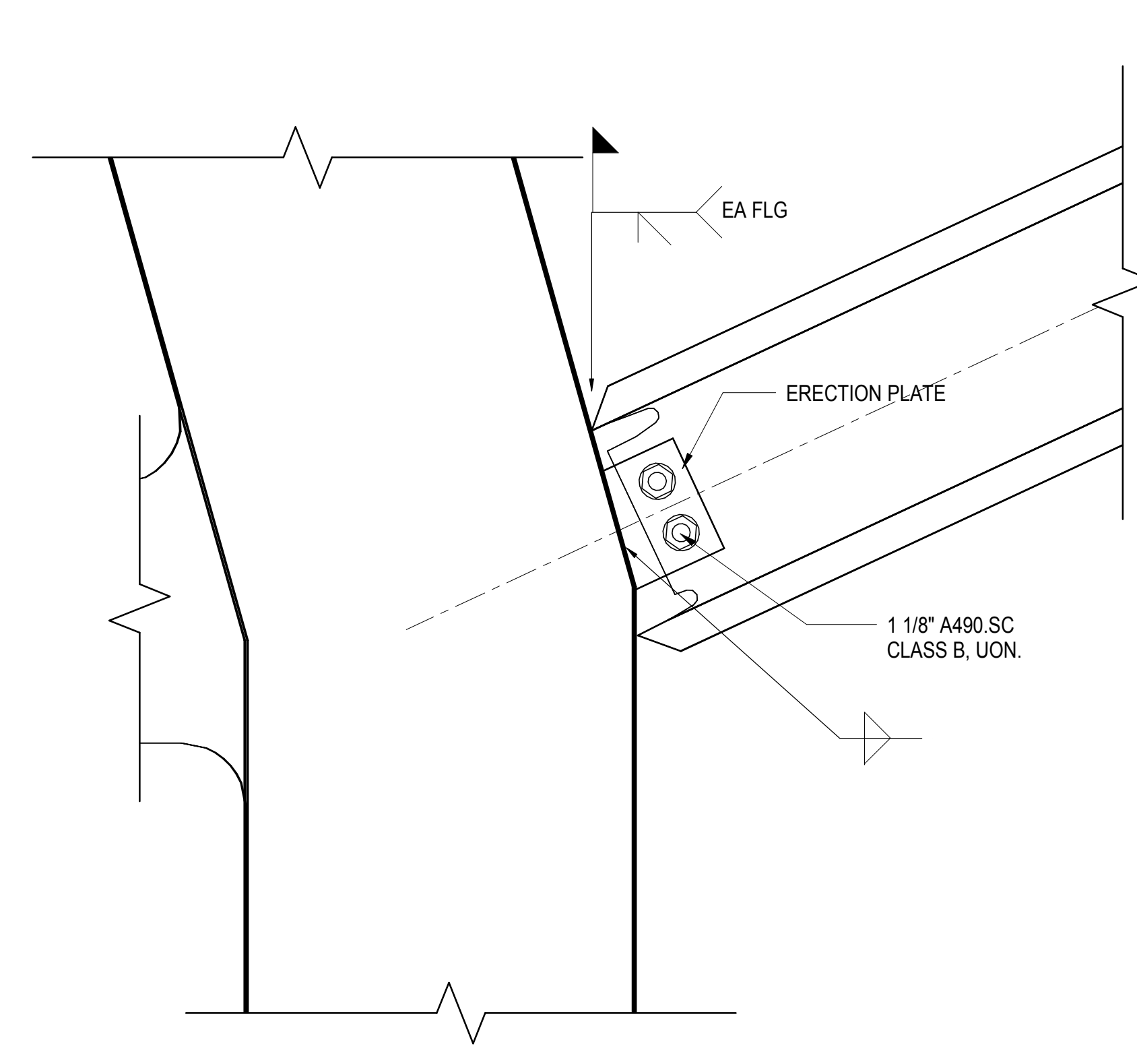
Drawing Number / B/S/C/S Drawing Number

S-403.00

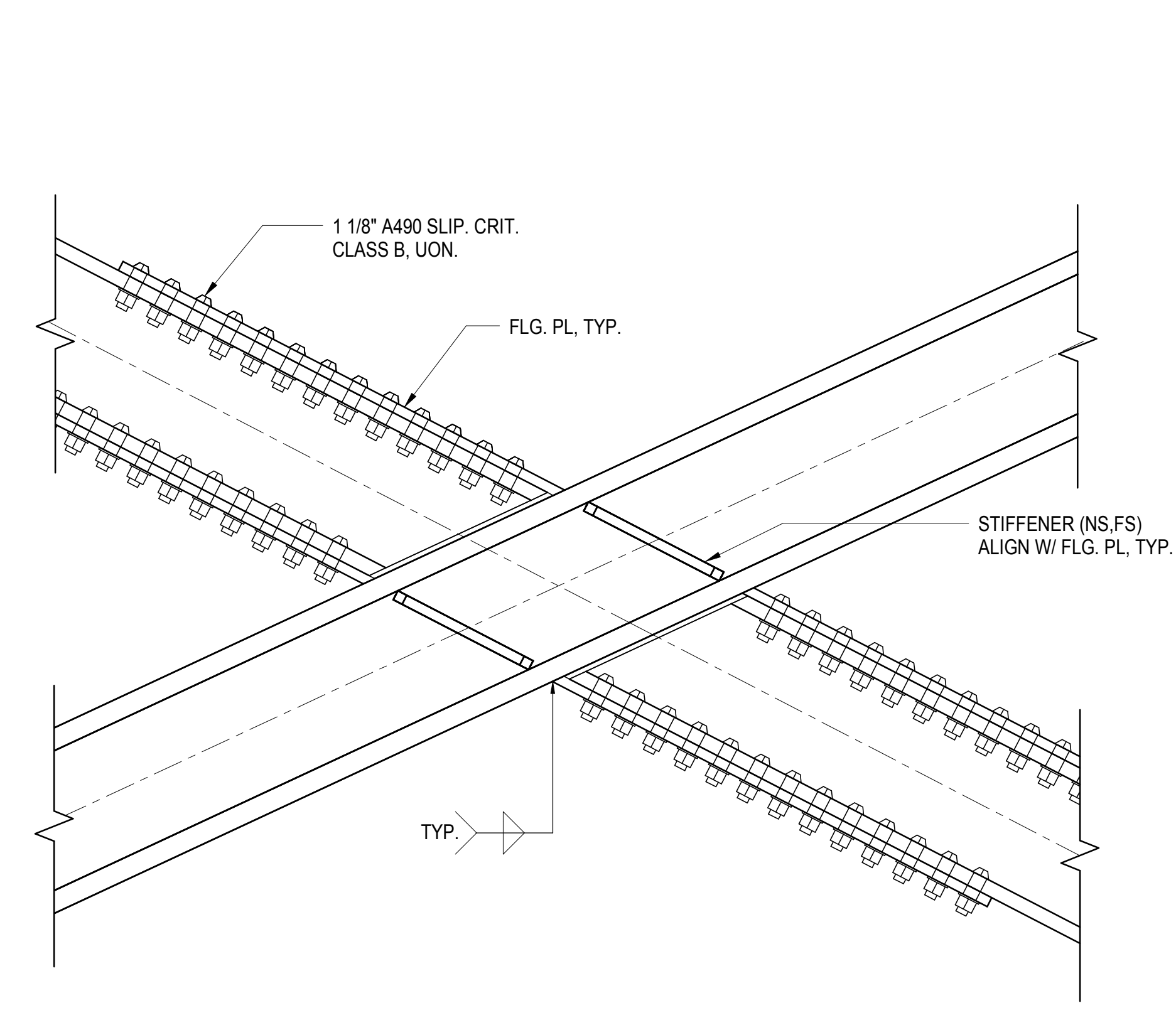
SHEET 118 OF 201



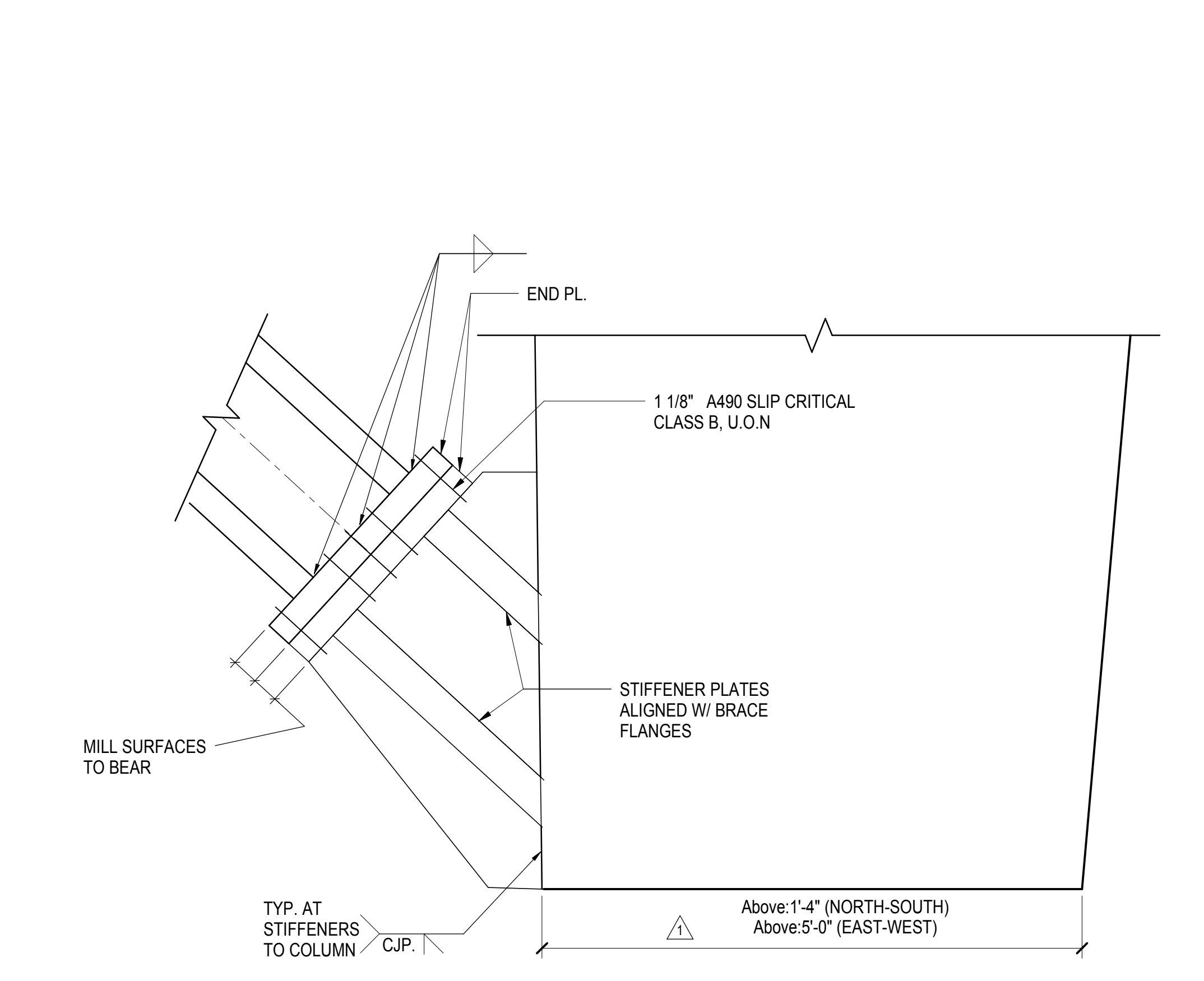
1 BOLTED BRACE CONNECTION TO A-FRAME COLUMN
3/4" = 1'-0"



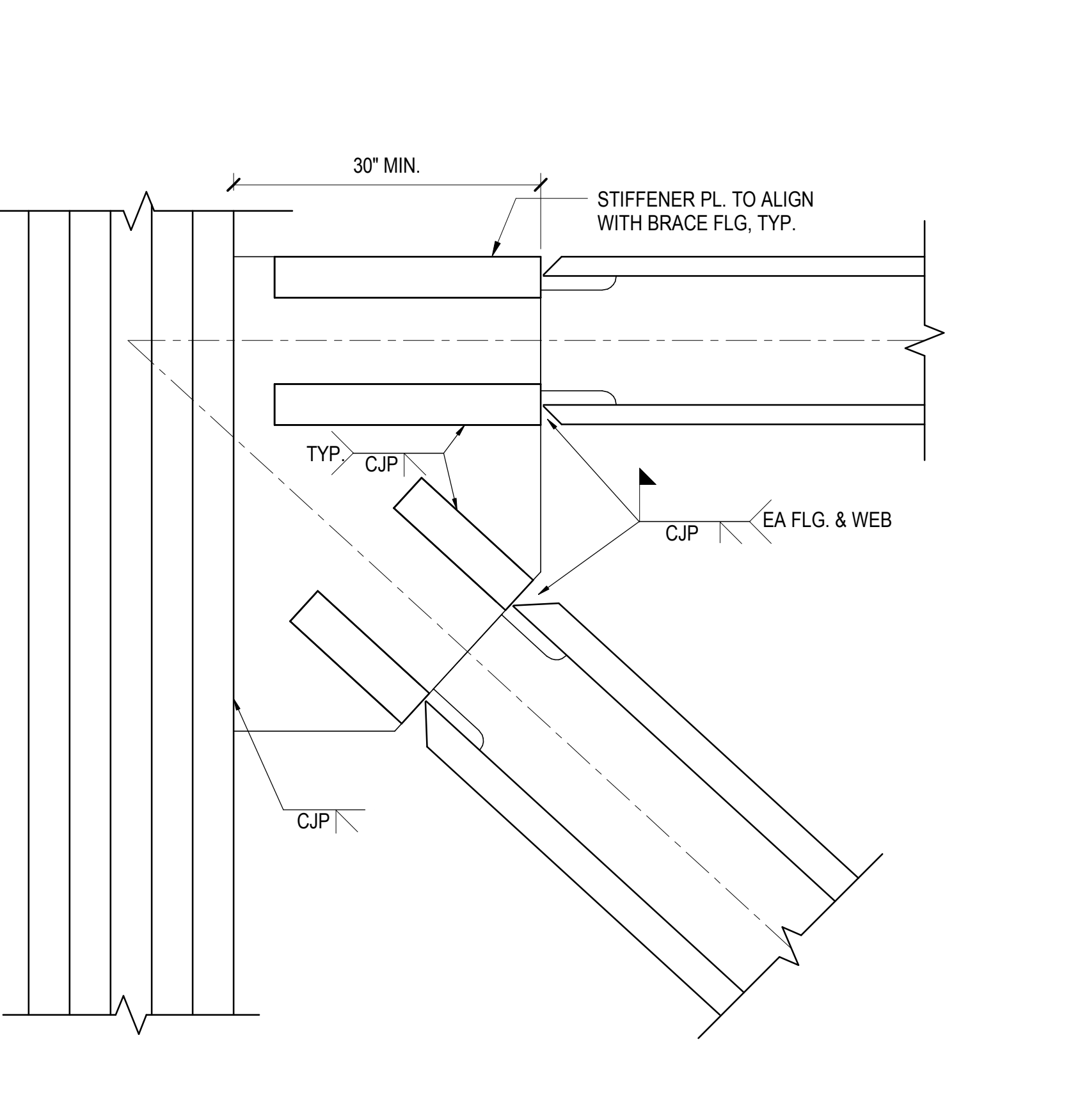
2 FIELD WELDED BRACE CONNECTION TO A-FRAME COLUMN KINK
1 1/2" = 1'-0"



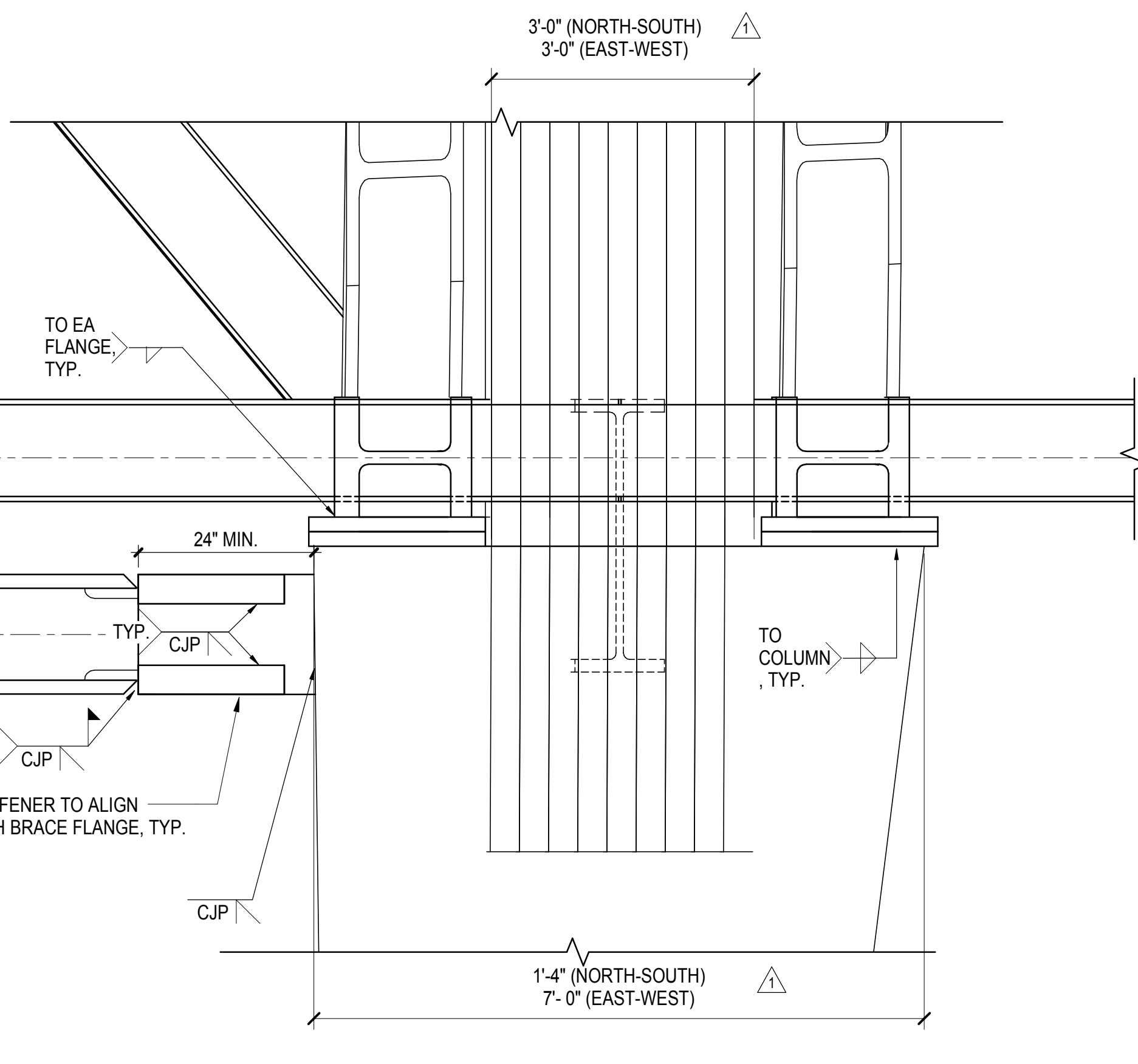
3 X-BRACE CONNECTION DETAIL AT MIDDLE JOINT
1" = 1'-0"



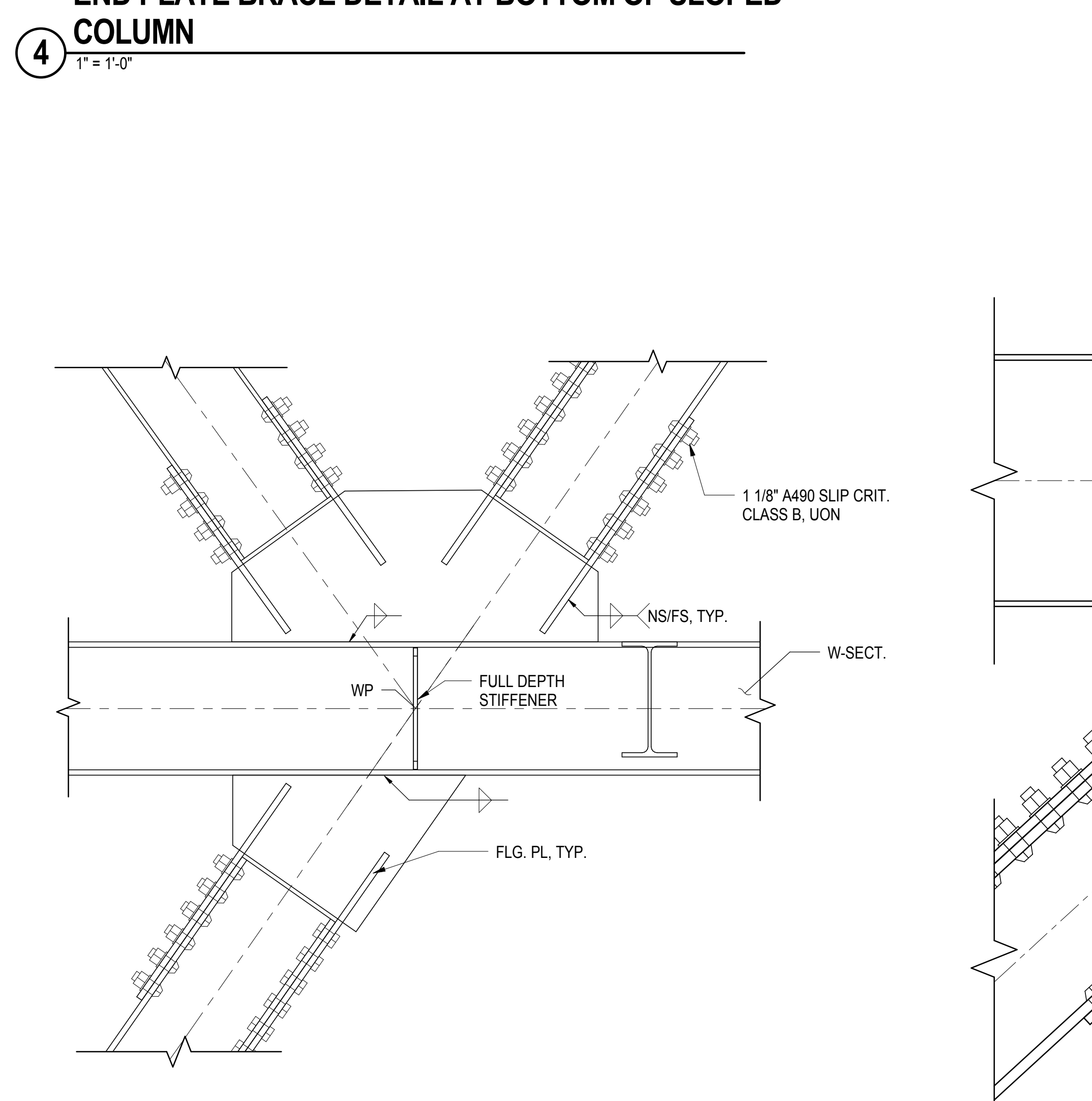
4 END PLATE BRACE DETAIL AT BOTTOM OF SLOPED COLUMN
1" = 1'-0"



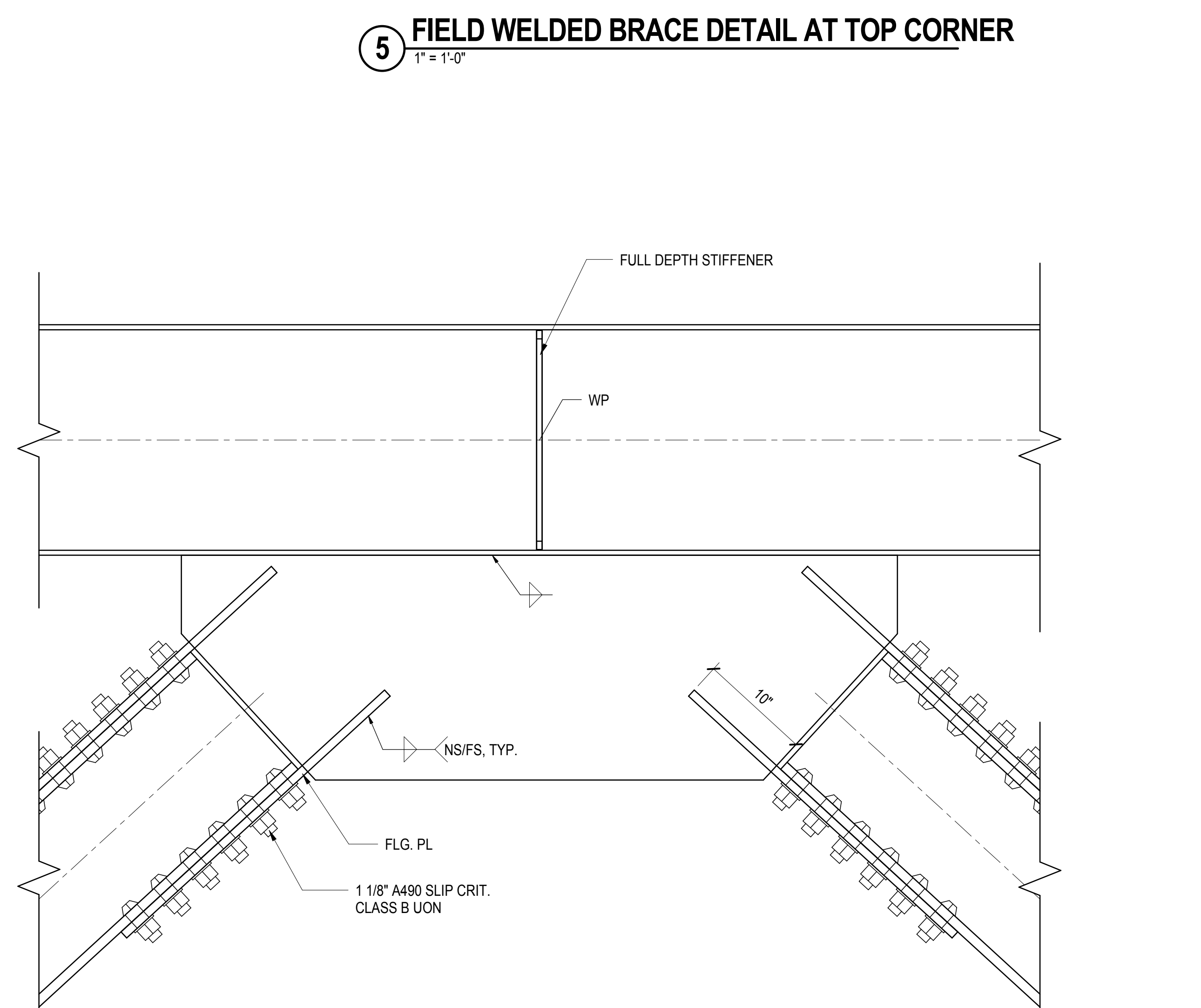
5 FIELD WELDED BRACE DETAIL AT TOP CORNER
1" = 1'-0"



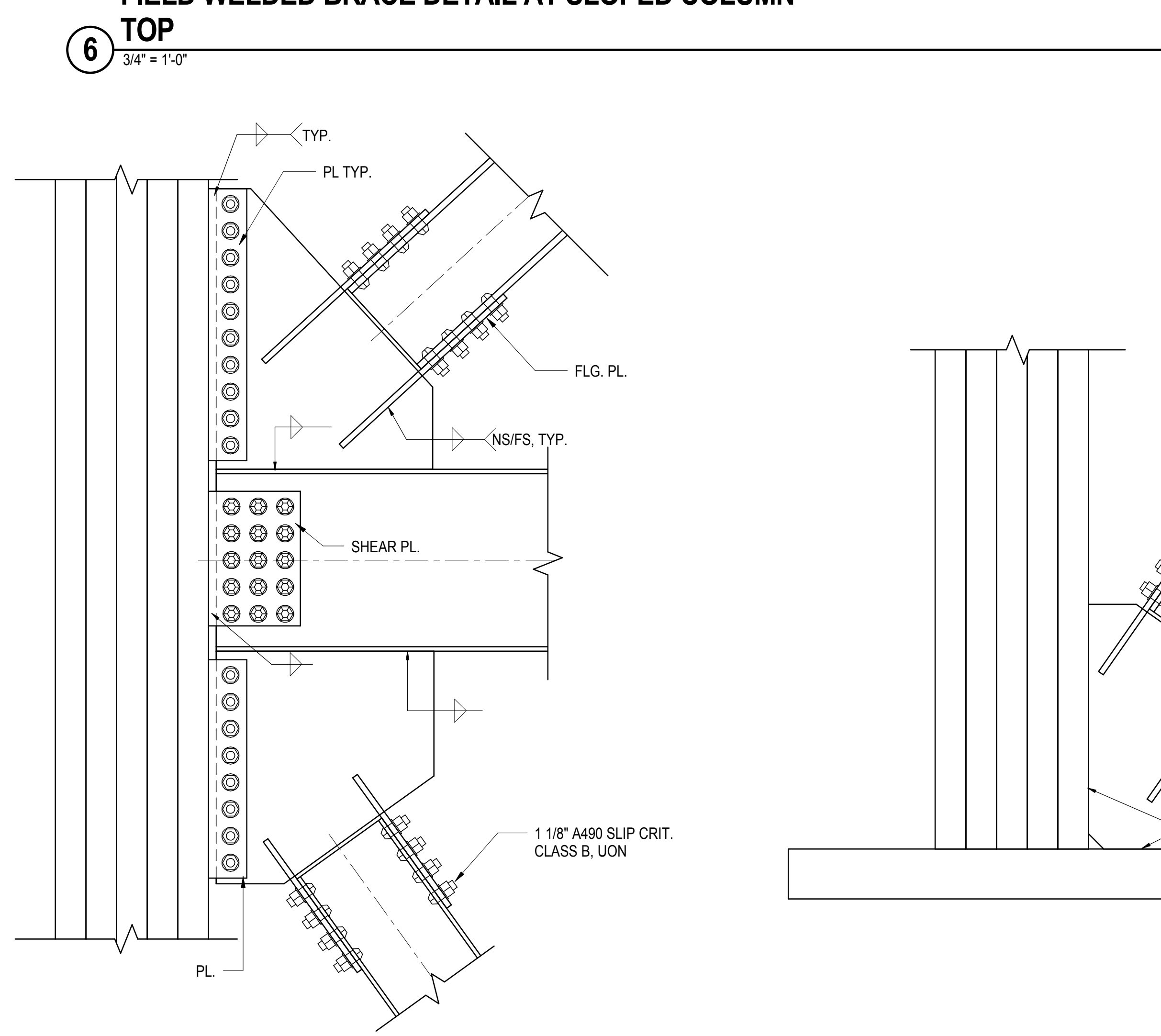
6 FIELD WELDED BRACE DETAIL AT SLOPED COLUMN TOP
3/4" = 1'-0"



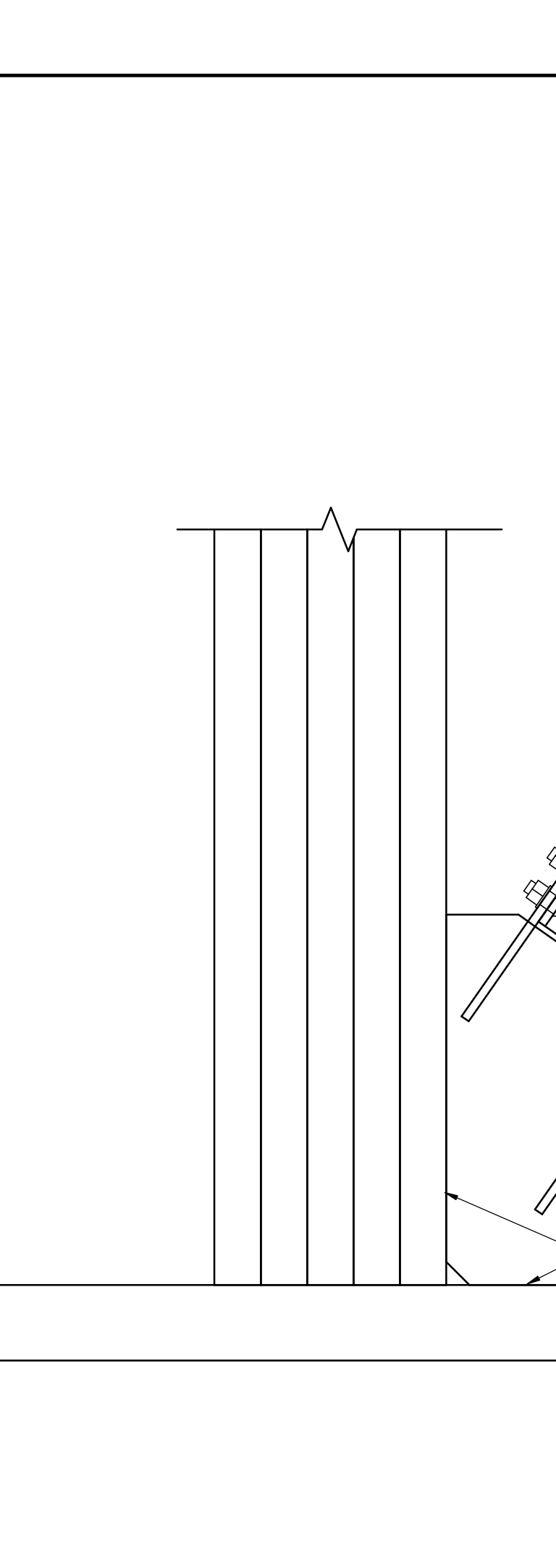
7 BOLTED BRACE DETAIL AT 3-WAY INTERSECTION
1" = 1'-0"



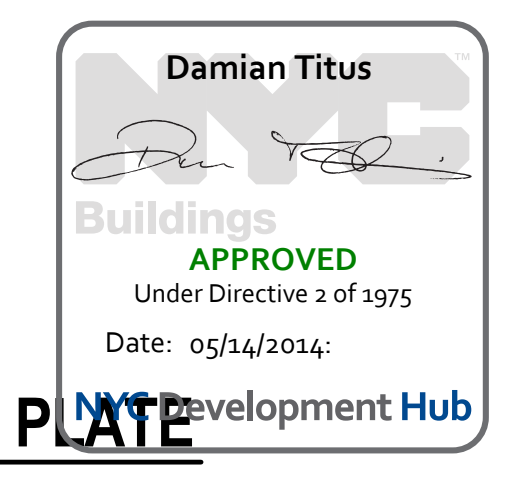
8 CHEVRON BRACE DETAIL AT BEAM MID-SPAN
1 1/2" = 1'-0"

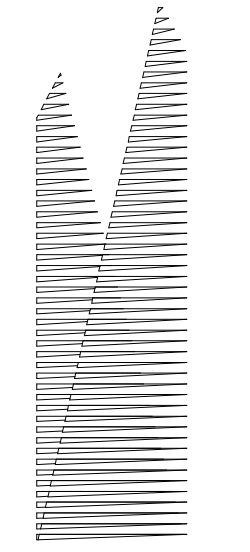


9 BRACE DETAIL AT BOLTED CONNECTION TO BUILT-UP COLUMN
1" = 1'-0"



10 BRACE DETAIL AT CONNECTION TO BASE PLATE
1" = 1'-0"





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Architect
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PC Architects & Planning Consultants
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Fire Alarm, Fire Protection, Security
Personnel Transportation Group
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LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 100% 11/22/2013
M&T PLATFORM SUBMISSION 11/22/2013

Δ DL42 PHASE I STRUCTURAL UPDATE 1/1/2013
NYC DOB FILING 10/4/2013
Δ DL41 PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 100% 11/22/2013
M&T PLATFORM SUBMISSION 11/22/2013

Δ DL42 PHASE I STRUCTURAL UPDATE 1/1/2013
NYC DOB FILING 10/4/2013
Δ DL41 PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 100% 11/22/2013
M&T PLATFORM SUBMISSION 11/22/2013

Δ DL42 PHASE I STRUCTURAL UPDATE 1/1/2013
NYC DOB FILING 10/4/2013
Δ DL41 PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 100% 11/22/2013
M&T PLATFORM SUBMISSION 11/22/2013

Δ DL42 PHASE I STRUCTURAL UPDATE 1/1/2013
NYC DOB FILING 10/4/2013
Δ DL41 PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 100% 11/22/2013
M&T PLATFORM SUBMISSION 11/22/2013

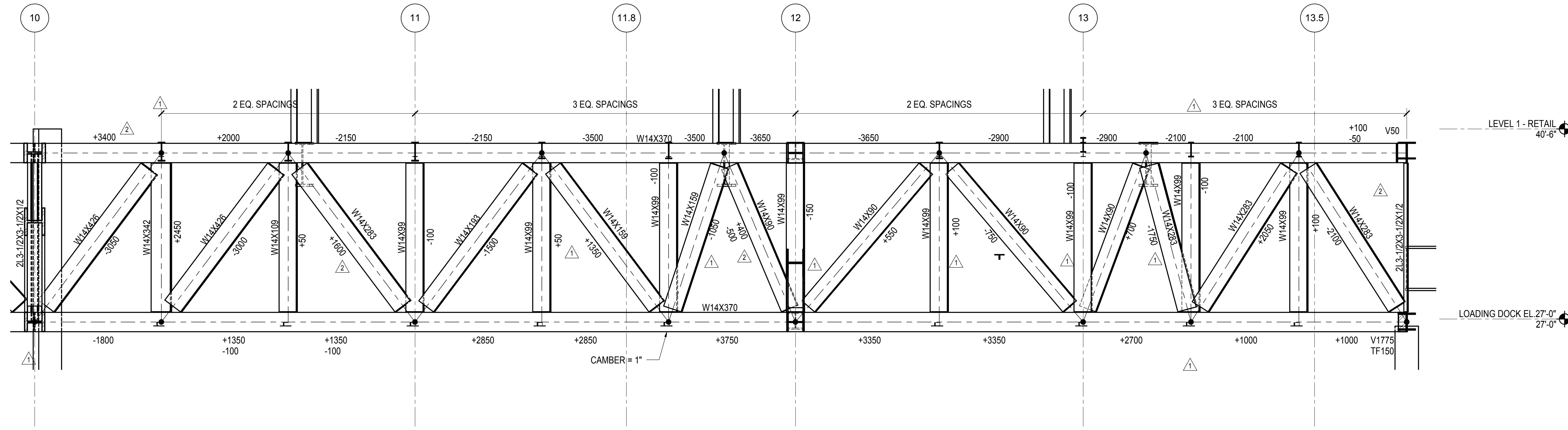
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NYC DOB FILING 10/4/2013
Δ DL41 PHASE I STRUCTURE UPDATE 9/20/2013

LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
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LIRR - 60% - PHASE I FDNS 3/29/2013
LIRR - 30% SUBMISSION 2/15/2013

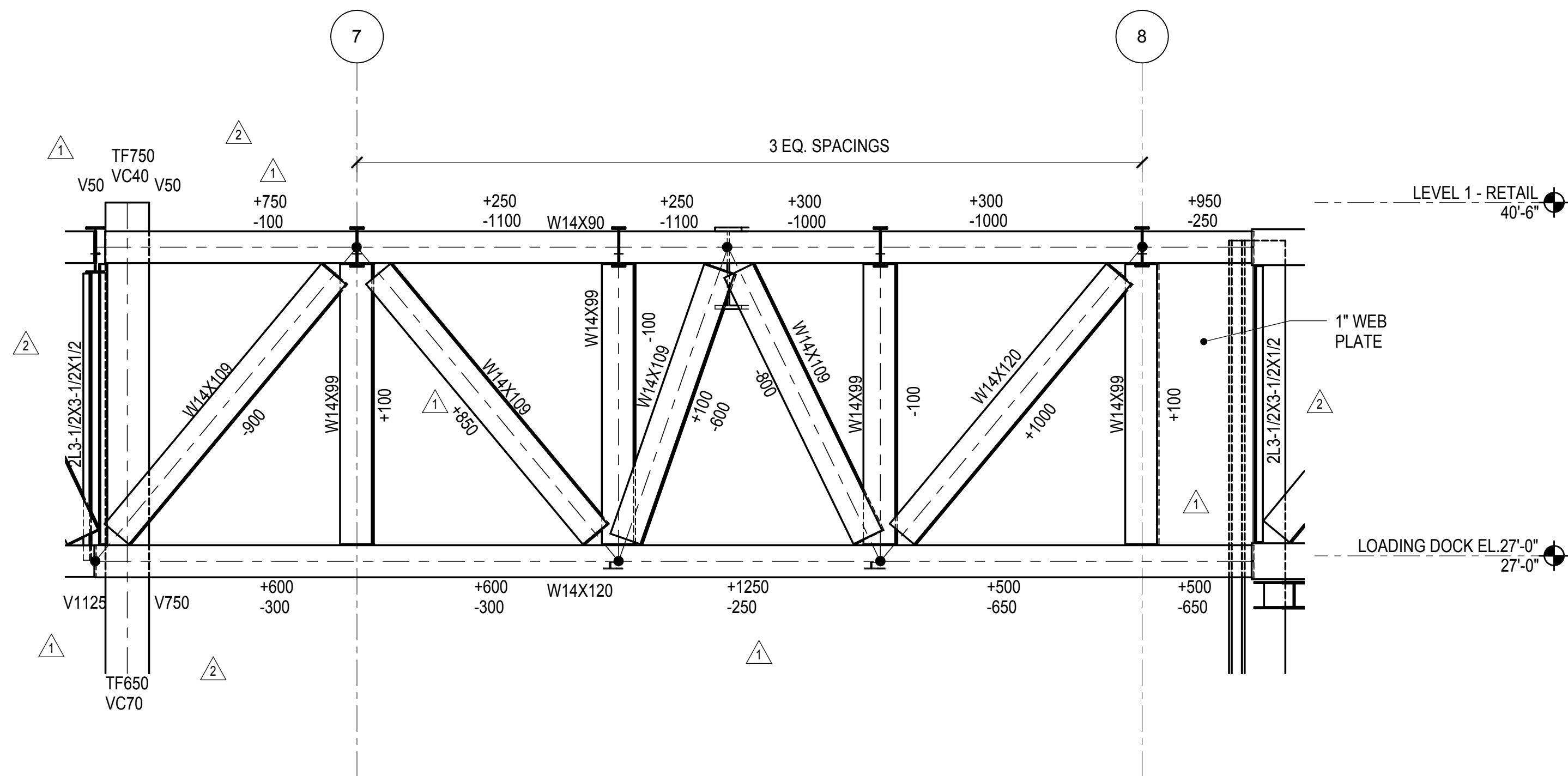
NYC DOB FILING 12/4/2013
LIRR - PRE-FINAL 100% 11/22/2013
M&T PLATFORM SUBMISSION 11/22/2013

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NYC DOB FILING 10/4/2013
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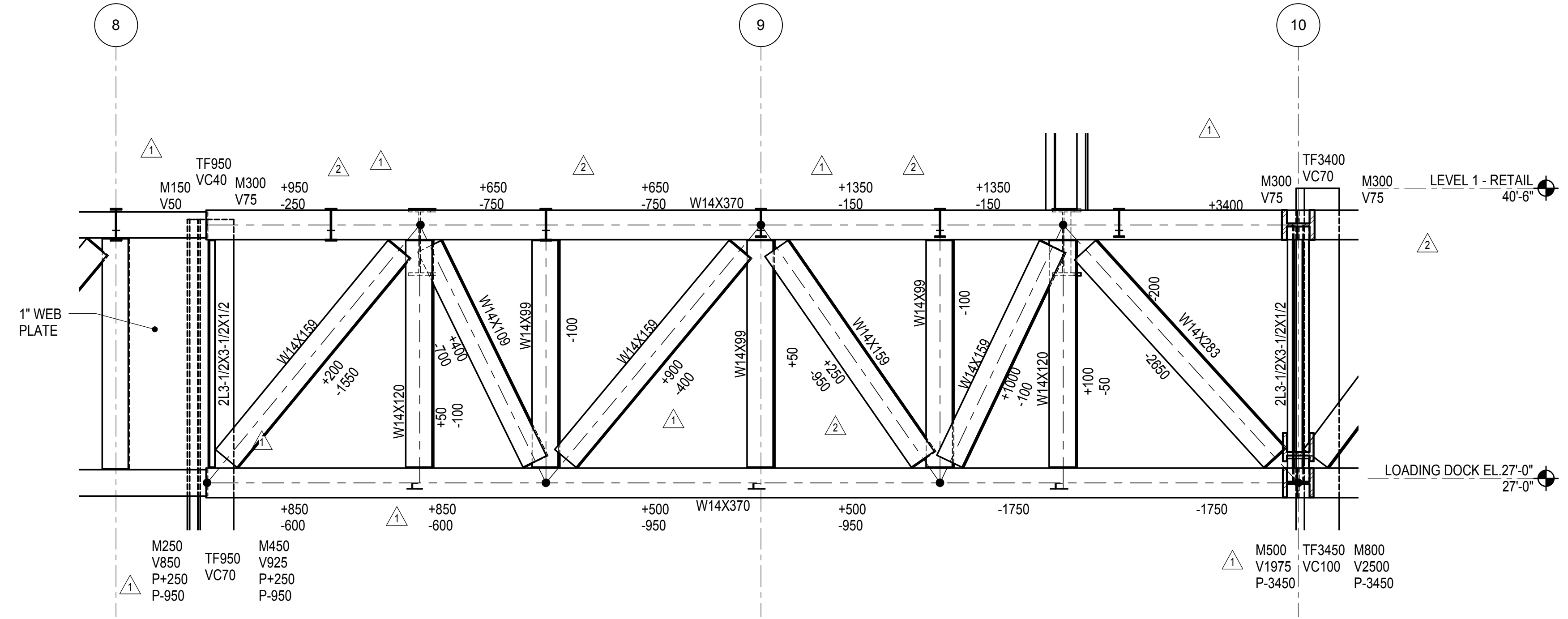
LIRR - 90% SUBMISSION 8/09/2013
NYC DOB FILING 6/17/2013
LIRR - 60% SUBMISSION 5/29/2013
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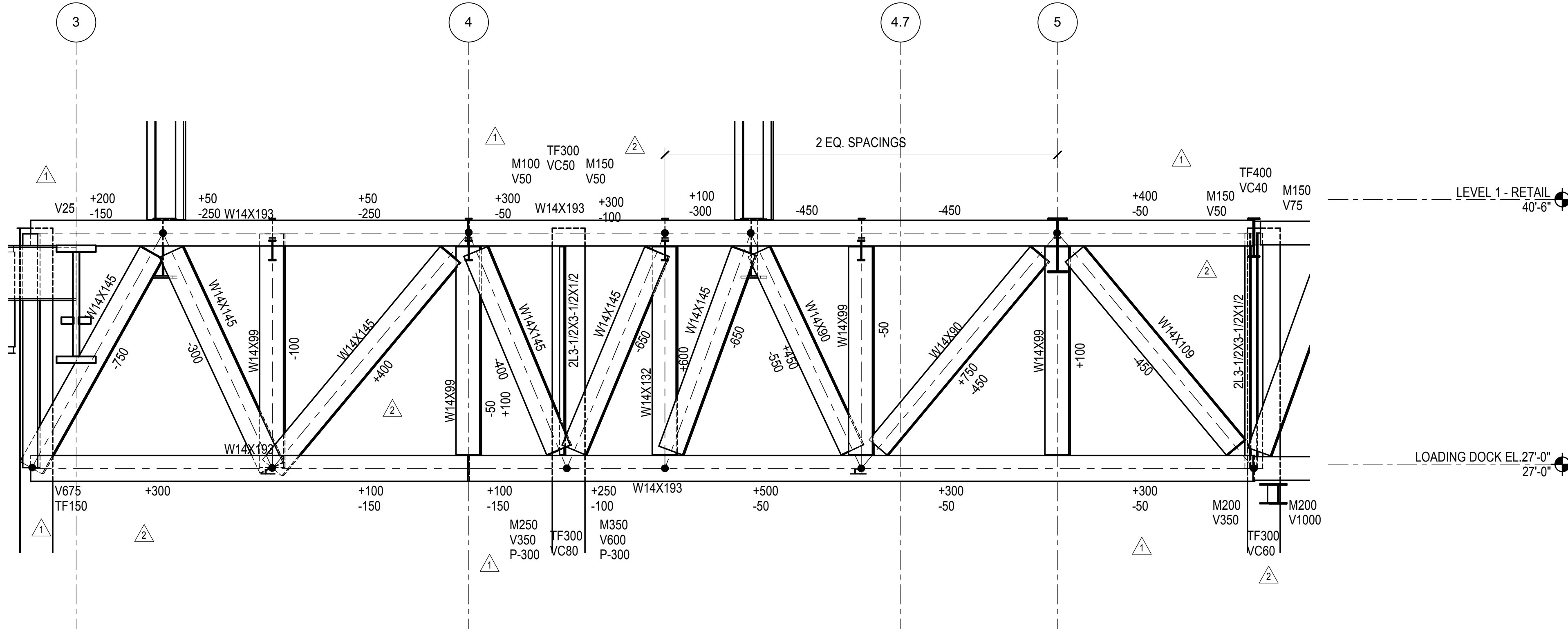
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1/4" = 1'-0"



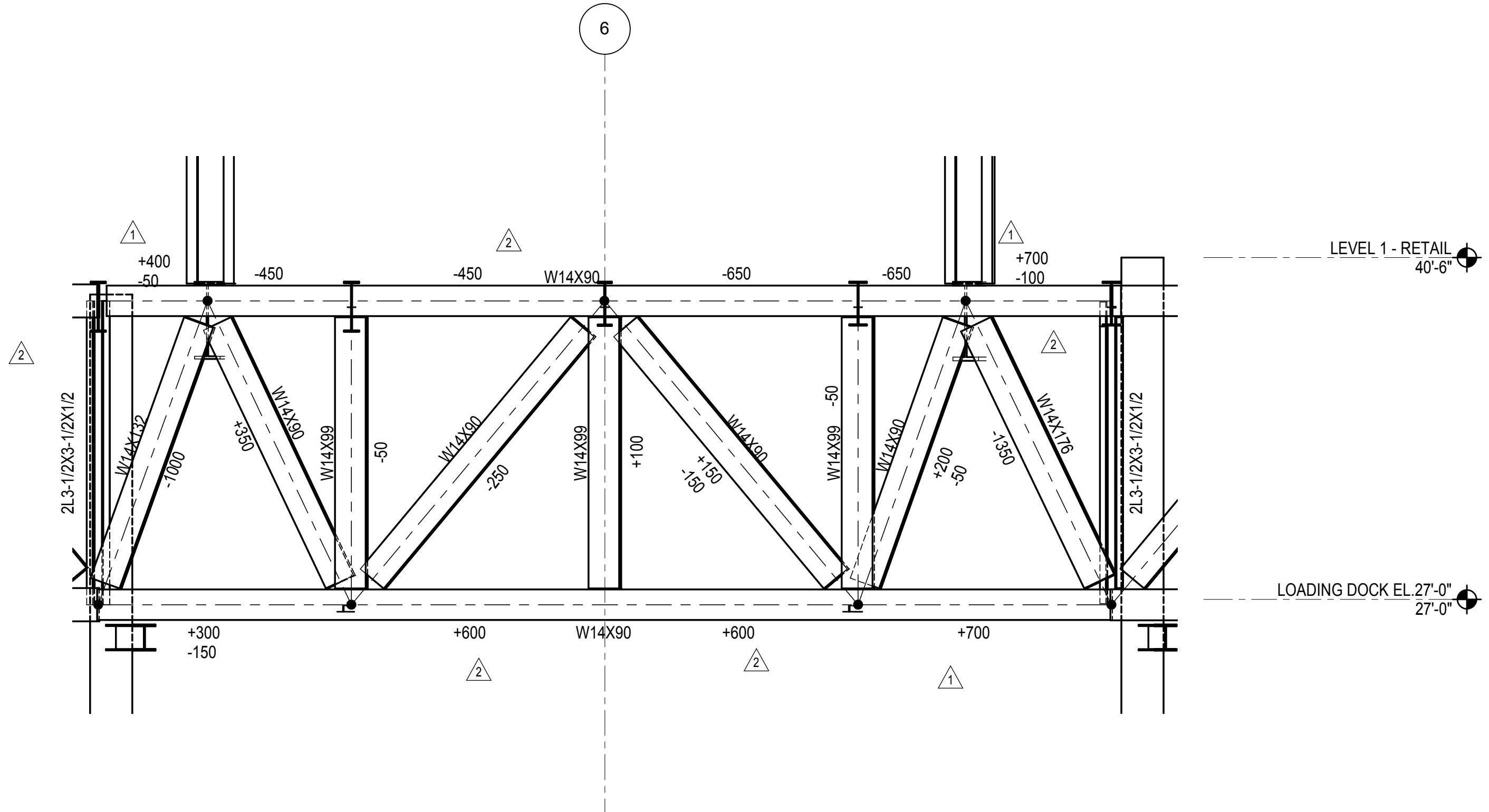
3 TRUSS TAA3
1/4" = 1'-0"



2 TRUSS TAA2
1/4" = 1'-0"



5 TRUSS TAA5
1/4" = 1'-0"



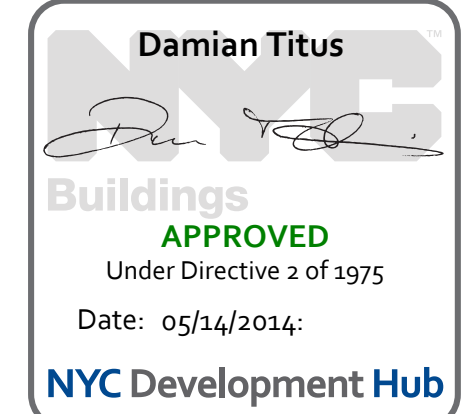
4 TRUSS TAA4
1/4" = 1'-0"

NOTES:

CAMBER TOLERANCE FOR TRUSSES SHALL BE AS FOLLOWS:
PRIOR TO INSTALLATION -0, +1/2"
INSTALLED, PRIOR TO INSTALLATION OF FLOORS -1/4, +1/2"

LEGEND

P INDICATES AXIAL FORCE IN TRUSS CHORD
V INDICATES SHEAR FORCE IN TRUSS CHORD
M INDICATES MOMENT IN TRUSS CHORD
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
VC INDICATES FACTORED SHEAR IN COLUMN



Date: 02/15/2013

Project No: N11330.00

Drawn By: Author

Sheet Number:

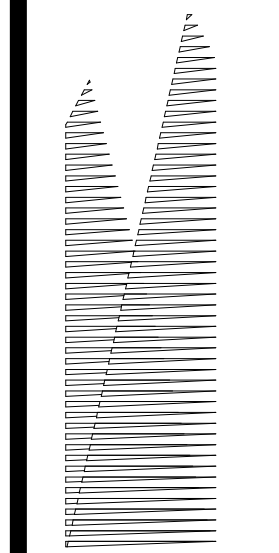
HYE - PL - S-410.00

Drawing Title
EAST PLATFORM TRUSS ELEVATIONS AT GRID AA

Drawing Number / Revision Drawing Number

S-410.00

SHEET 119 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

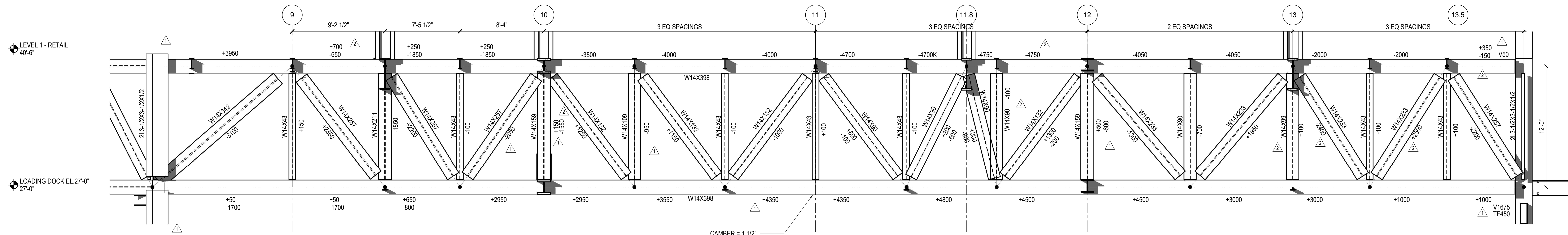
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 212.956.2526

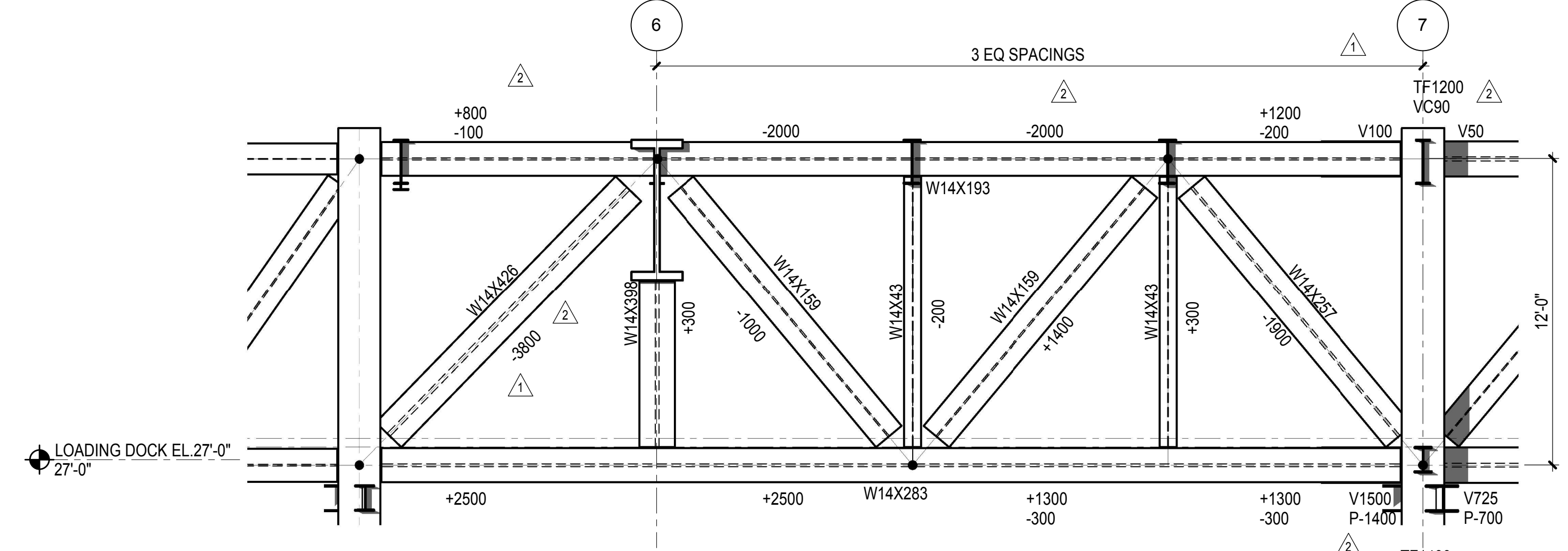
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
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LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
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Tel: 212.896.3000

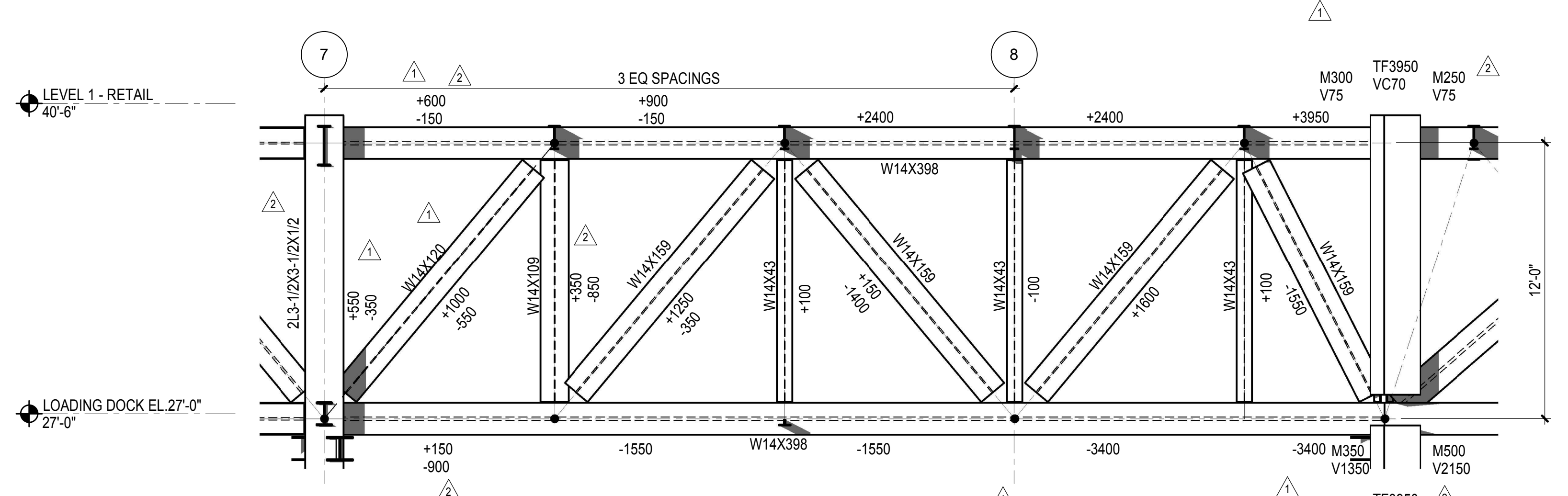
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



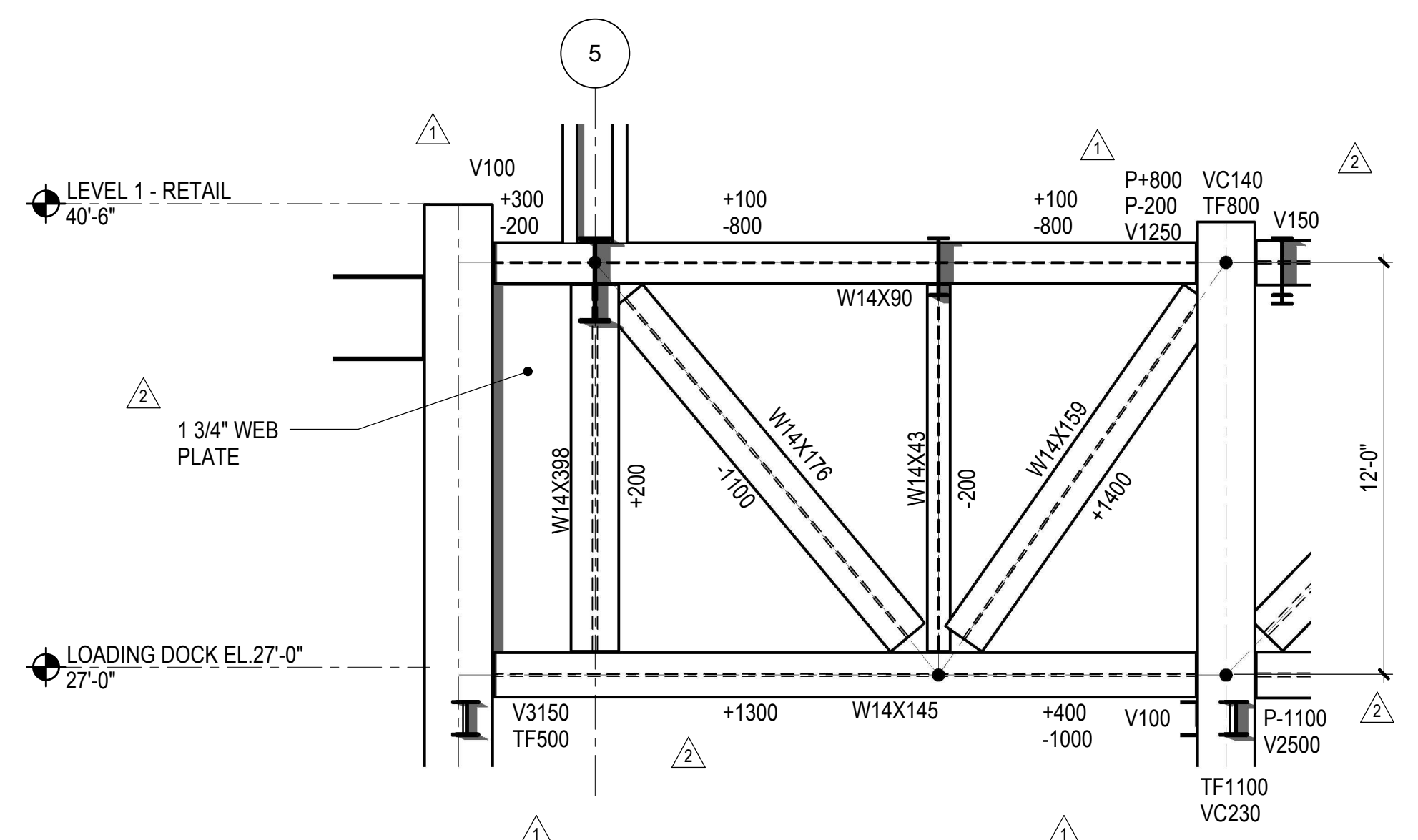
1 TRUSS TA1 ELEVATION
1/4" = 1'-0"



3 TRUSS TA3 ELEVATION
1/4" = 1'-0"



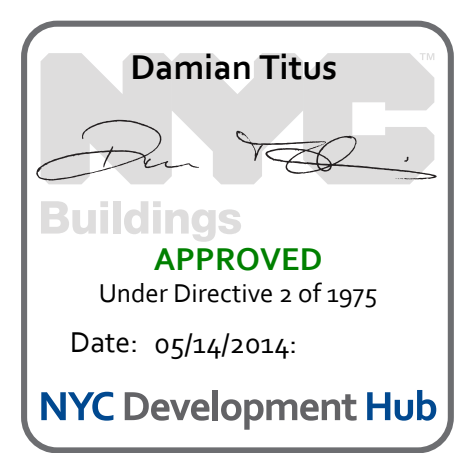
2 TRUSS TA2 ELEVATION
1/4" = 1'-0"



4 TRUSS TA4 ELEVATION
1/4" = 1'-0"

NOTES:
CAMBER TOLERANCE FOR TRUSSES SHALL BE AS FOLLOWS:
PRIOR TO INSTALLATION -0, +1/2"
INSTALLED, PRIOR TO INSTALLATION OF FLOORS -1/2, +1/2"

| LEGEND | |
|--------|--|
| P | INDICATES AXIAL FORCE IN TRUSS CHORD |
| V | INDICATES SHEAR FORCE IN TRUSS CHORD |
| M | INDICATES MOMENT IN TRUSS CHORD |
| TF | INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS |
| VC | INDICATES FACTORED SHEAR IN COLUMN |



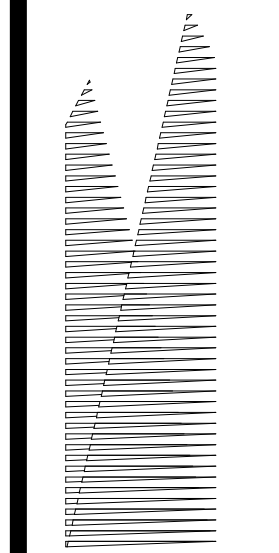
| NYC DOB FILING | Date |
|--------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&T PLATFORM SUBMISSION | 11/22/2013 |
| DEL2 PHASE 1 STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DEL1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |

For Plot

Date: 02/15/2013
Project No: N11330.00
Title: Author
Sheet Number: 120

HYE - PL - S-411.00
Drawing Title
EAST PLATFORM TRUSS ELEVATIONS AT GRID A

Drawing Number / Revision Drawing Number
S-411.00



Client
Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

Officed Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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| | |
|----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ D142 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D141 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| W Description | Date |

See Plan

Date: 02/15/2013

Project No: N11330.00

Drawn By: Author

Sheet Number:

HYE - PL - S-412.00

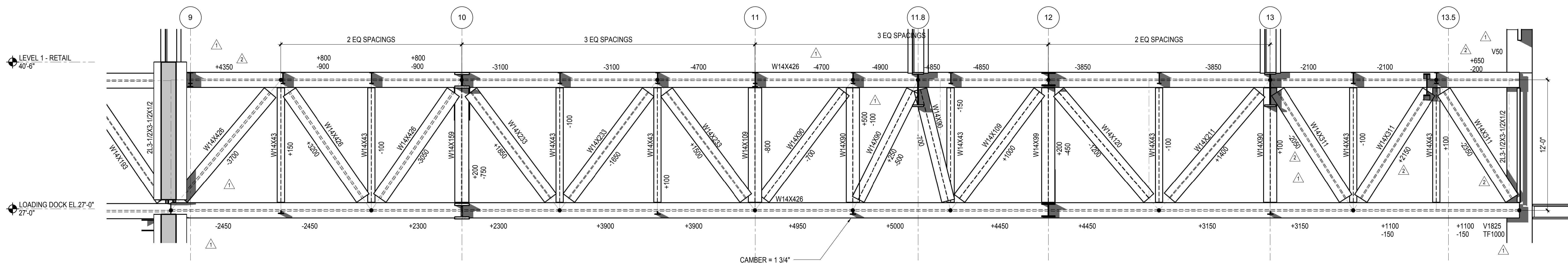
EAST PLATFORM TRUSS ELEVATIONS AT GRID B

Drawing Number / B/S/C/N Drawing Number

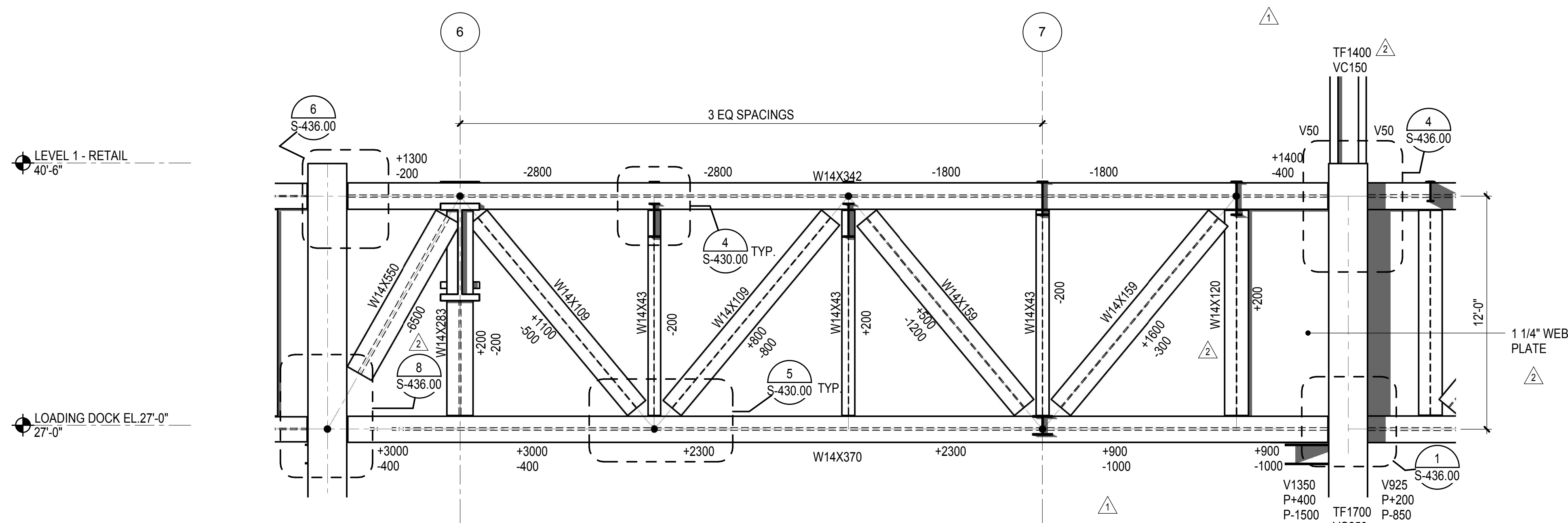
S-412.00

SHEET 121 OF 201

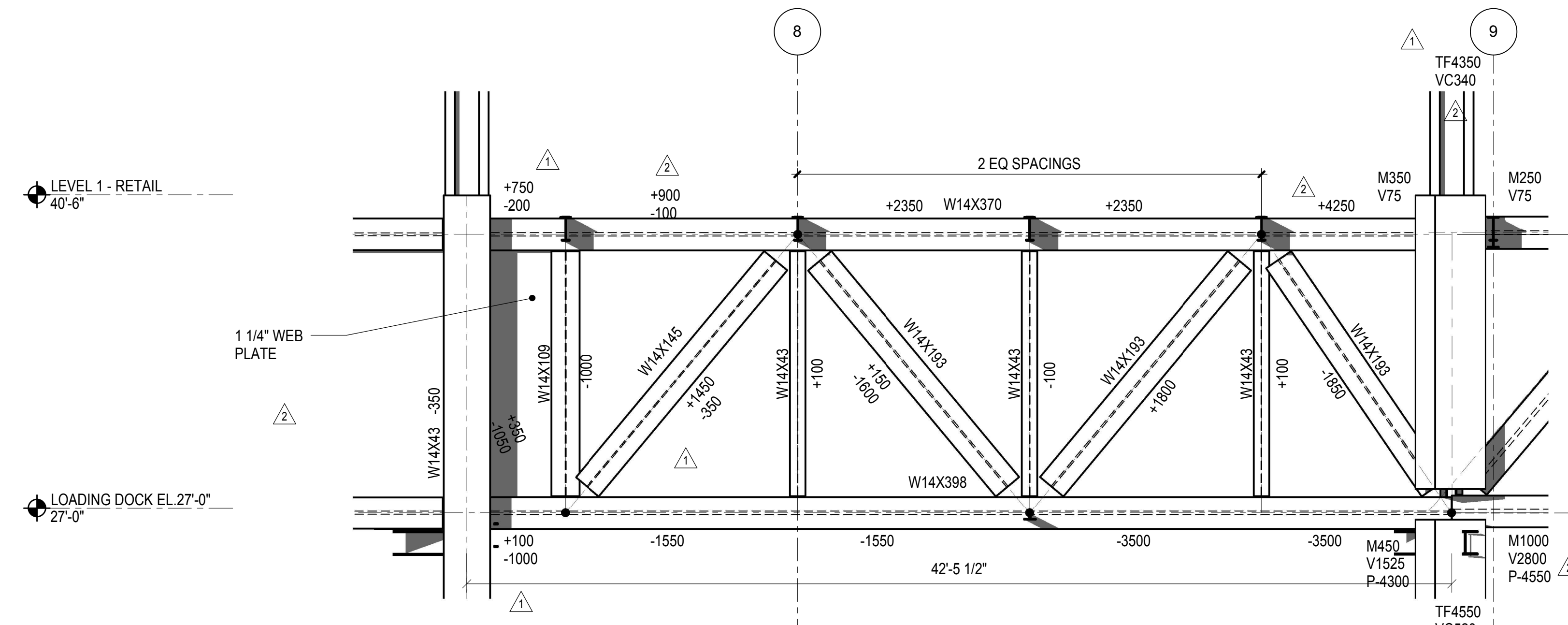
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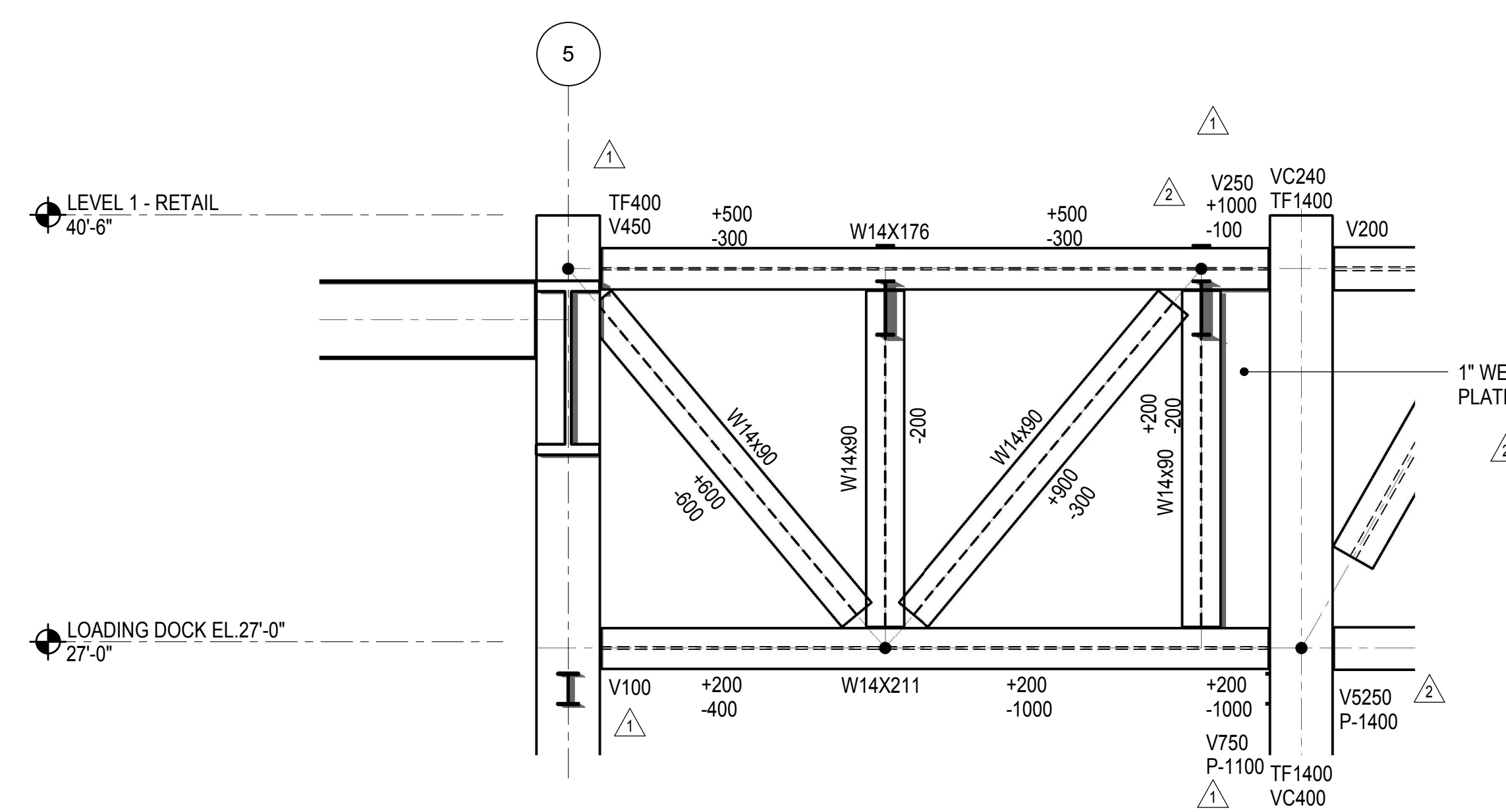
1 TRUSS TB1 ELEVATION
1/4" = 1'-0"



3 TRUSS TB3 ELEVATION
1/4" = 1'-0"



2 TRUSS TB2 ELEVATION
1/4" = 1'-0"



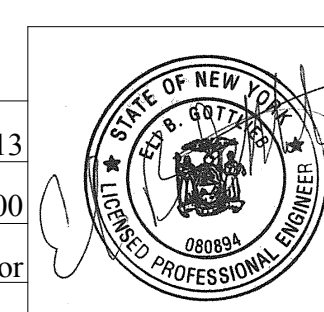
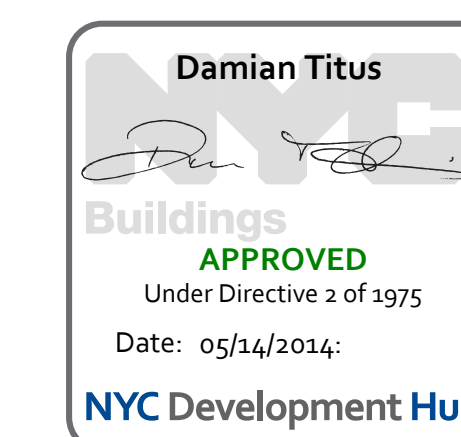
4 TRUSS TB4 ELEVATION
1/4" = 1'-0"

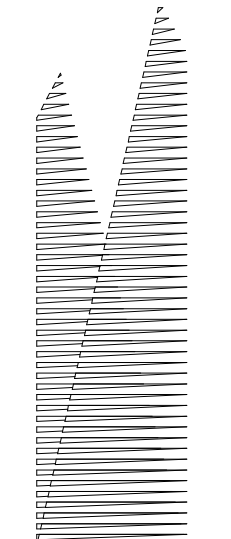
NOTES:

CAMBER TOLERANCE FOR TRUSSES SHALL BE AS FOLLOWS:
PRIOR TO INSTALLATION 0, +1/2"
INSTALLED, PRIOR TO INSTALLATION OF FLOORS -1/2, +1/4"

LEGEND

P INDICATES AXIAL FORCE IN TRUSS CHORD
V INDICATES SHEAR FORCE IN TRUSS CHORD
M INDICATES MOMENT IN TRUSS CHORD
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
VC INDICATES FACTORED SHEAR IN COLUMN





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Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
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Construction Manager
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100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

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Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ DL42 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DL42 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 60% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Description

Date: 02/15/2013
Project No: N11330.00
Author: Damian Titus

HYE - PL - S-413.00

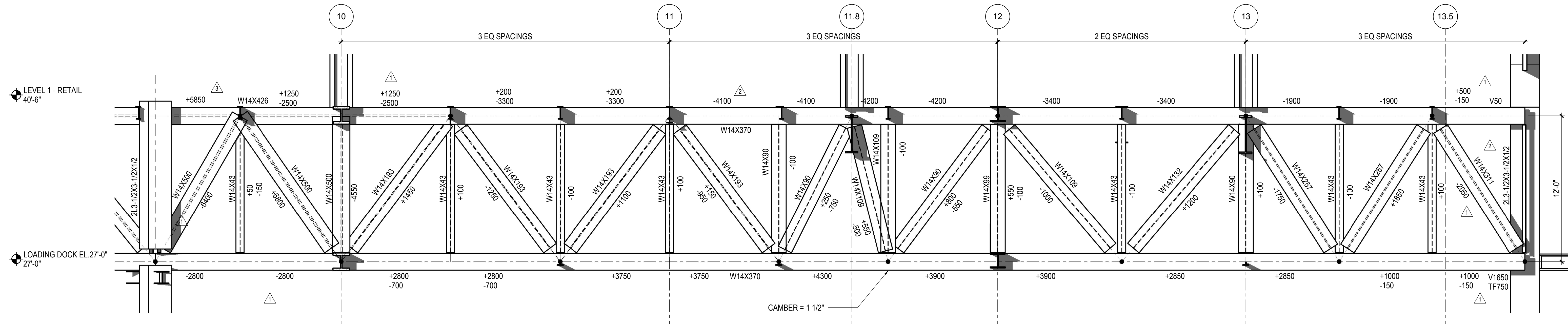
EAST PLATFORM TRUSS ELEVATIONS AT GRID C

Drawing Number / Revision Drawing Number

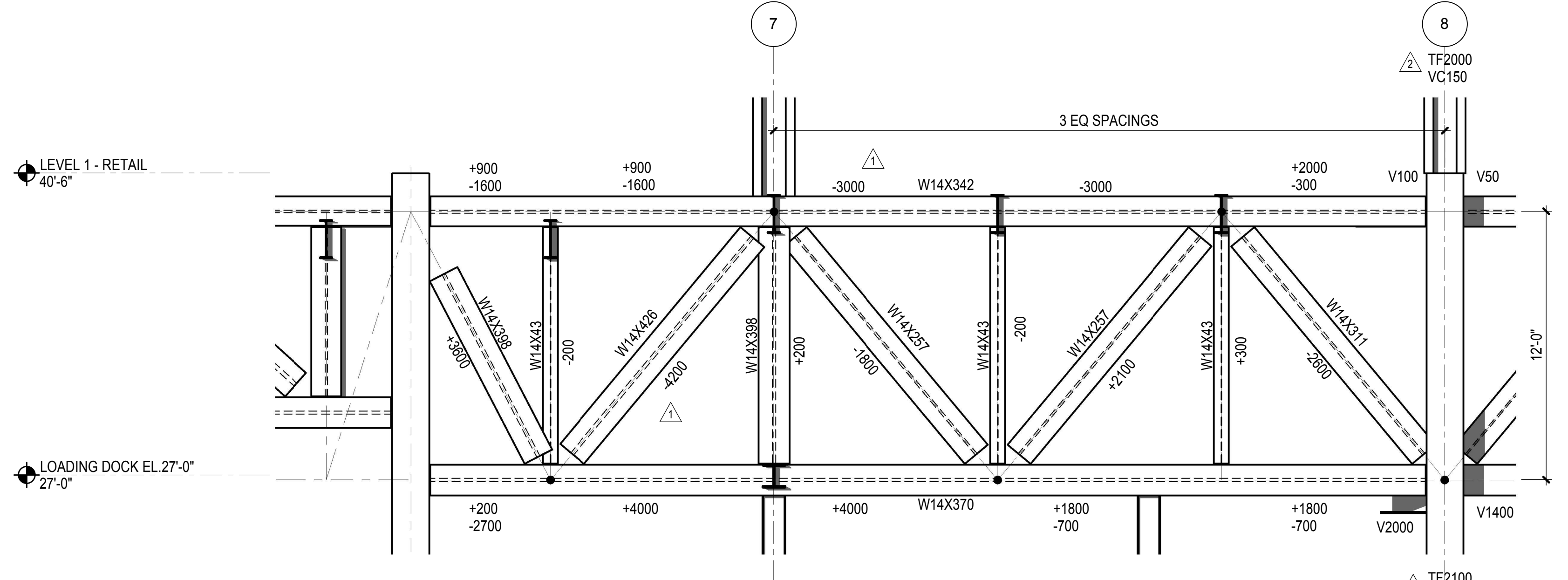
S-413.00

SHEET 122 OF 201

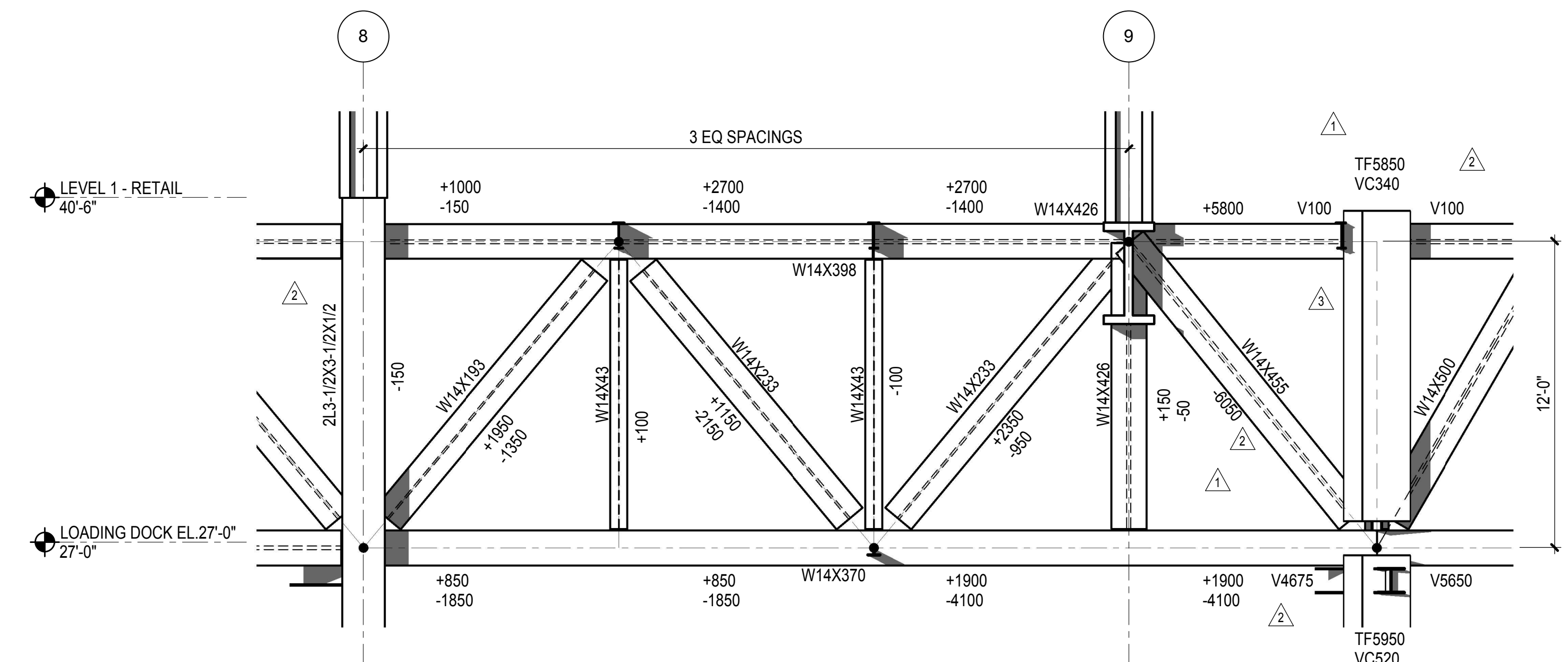
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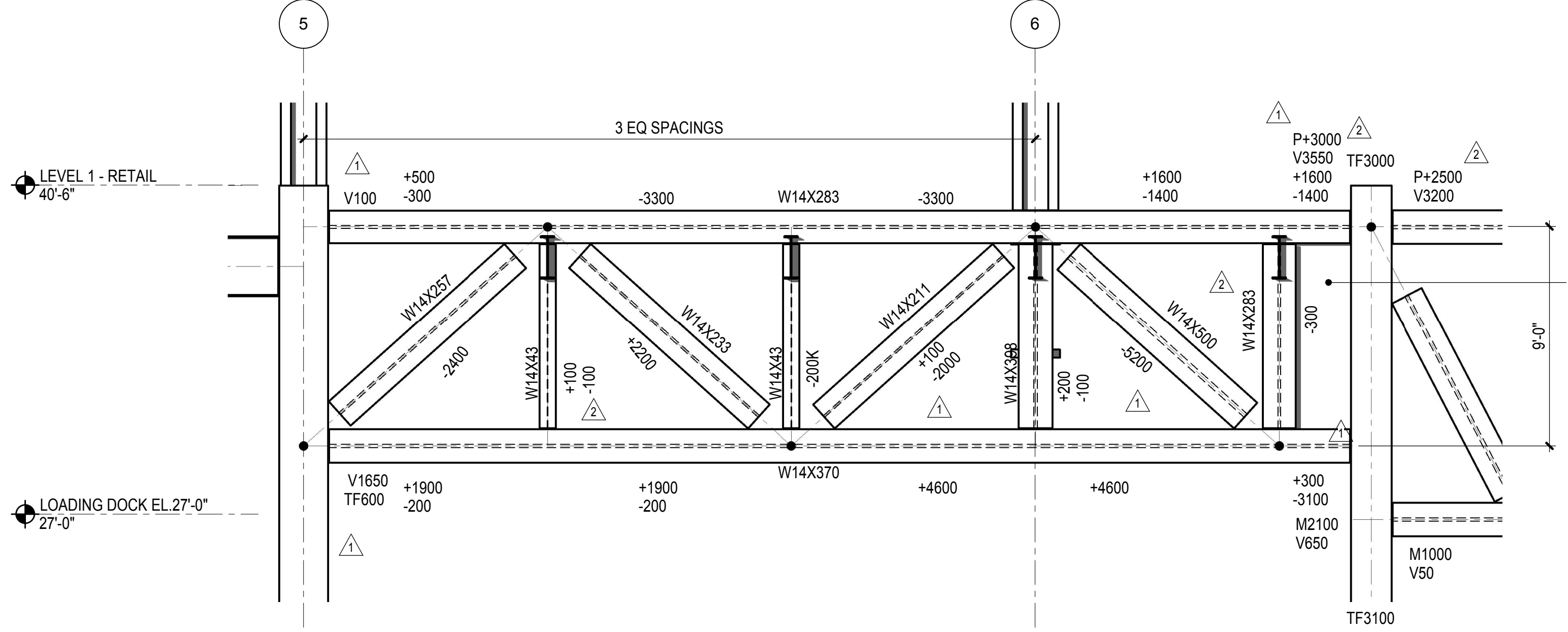
1 TRUSS TC1 ELEVATION
1/4" = 1'-0"



3 TRUSS TC3 ELEVATION
1/4" = 1'-0"



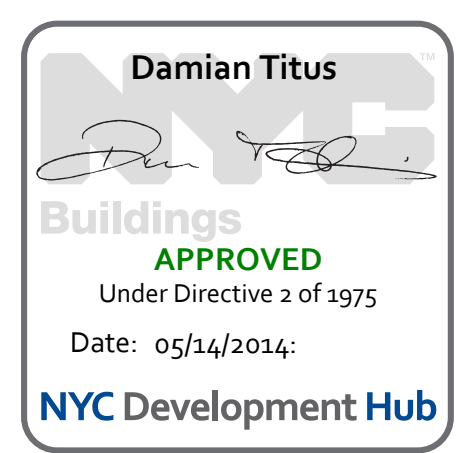
2 TRUSS TC2 ELEVATION
1/4" = 1'-0"

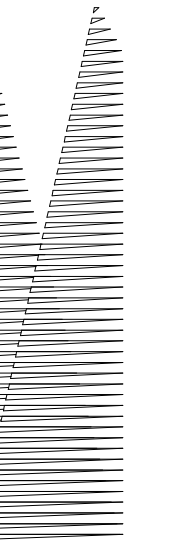


4 TRUSS TC4 ELEVATION
1/4" = 1'-0"

NOTES:
CAMBER TOLERANCE FOR TRUSSES SHALL BE AS FOLLOWS:
PRIOR TO INSTALLATION -0, +1/2"
INSTALLED, PRIOR TO INSTALLATION OF FLOORS -1/4, +1/4"

| LEGEND | |
|--------|--|
| P | INDICATES AXIAL FORCE IN TRUSS CHORD |
| V | INDICATES SHEAR FORCE IN TRUSS CHORD |
| M | INDICATES MOMENT IN TRUSS CHORD |
| TF | INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS |
| VC | INDICATES FACTORED SHEAR IN COLUMN |





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Related Companies
60 Columbus Circle
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New York, NY 10022
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Construction Manager
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100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

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PC Architects & Planning Consultants
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Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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LIRR Ventilation
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ D1-D2 PHASE I STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D1-D2 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 01/23/2013 |

Rev. Plot

Date: 07/23/13
Project No: N11330.00
Revision: Author

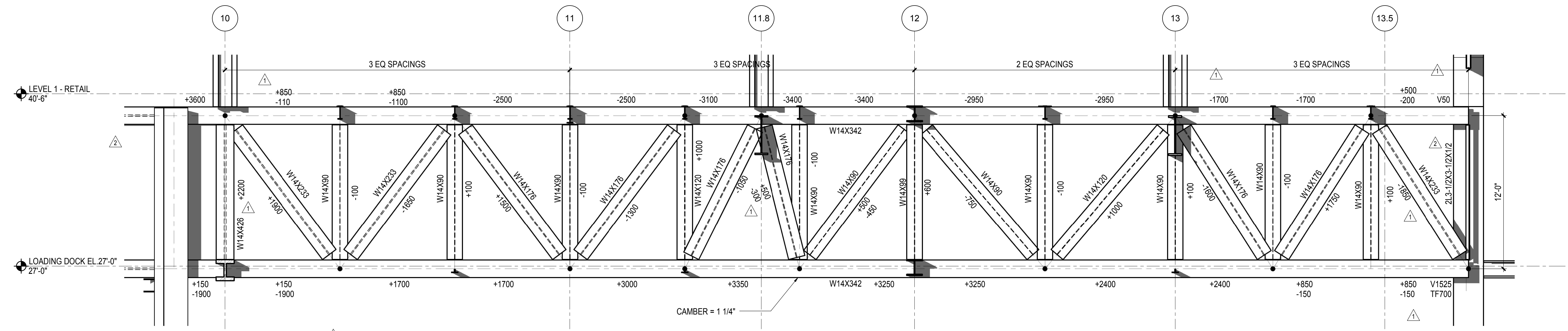
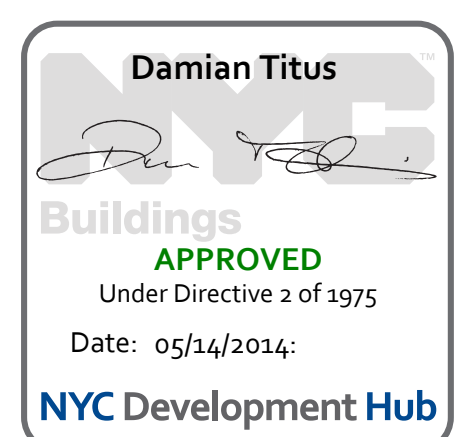
HYE - PL - S-414.00

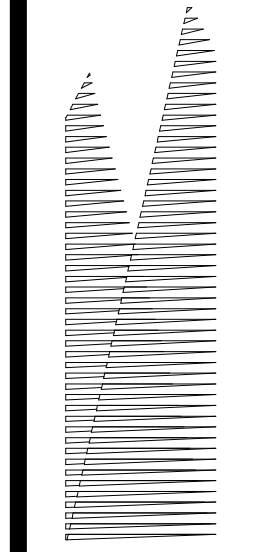
EAST PLATFORM TRUSS ELEVATIONS AT GRID D

Drawing Number / Revision Drawing Number

S-414.00

SHEET 123 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

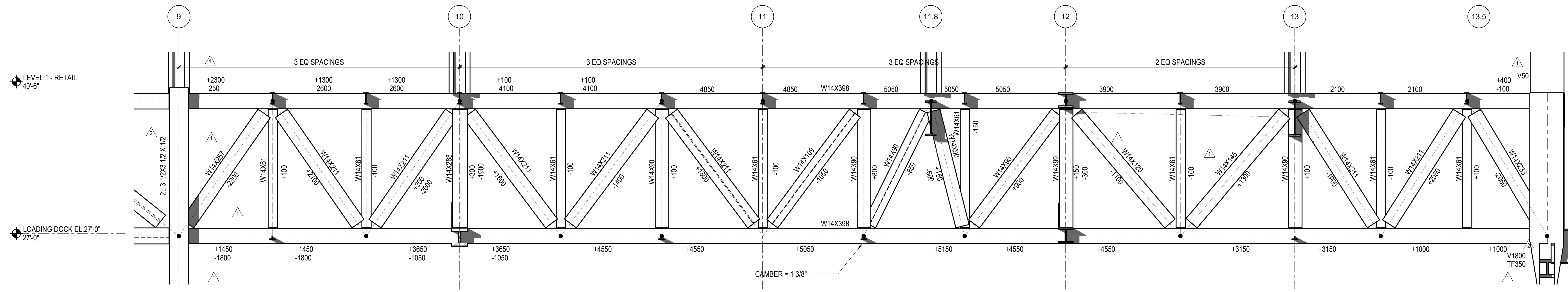
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

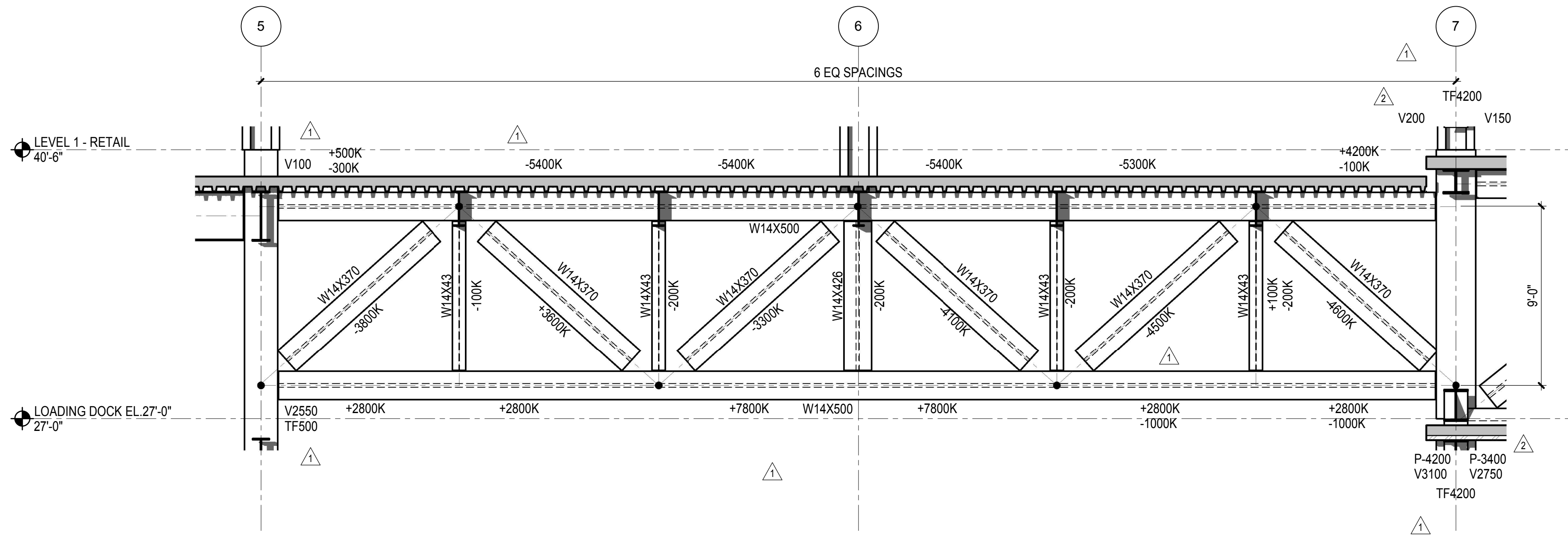
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Panos Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

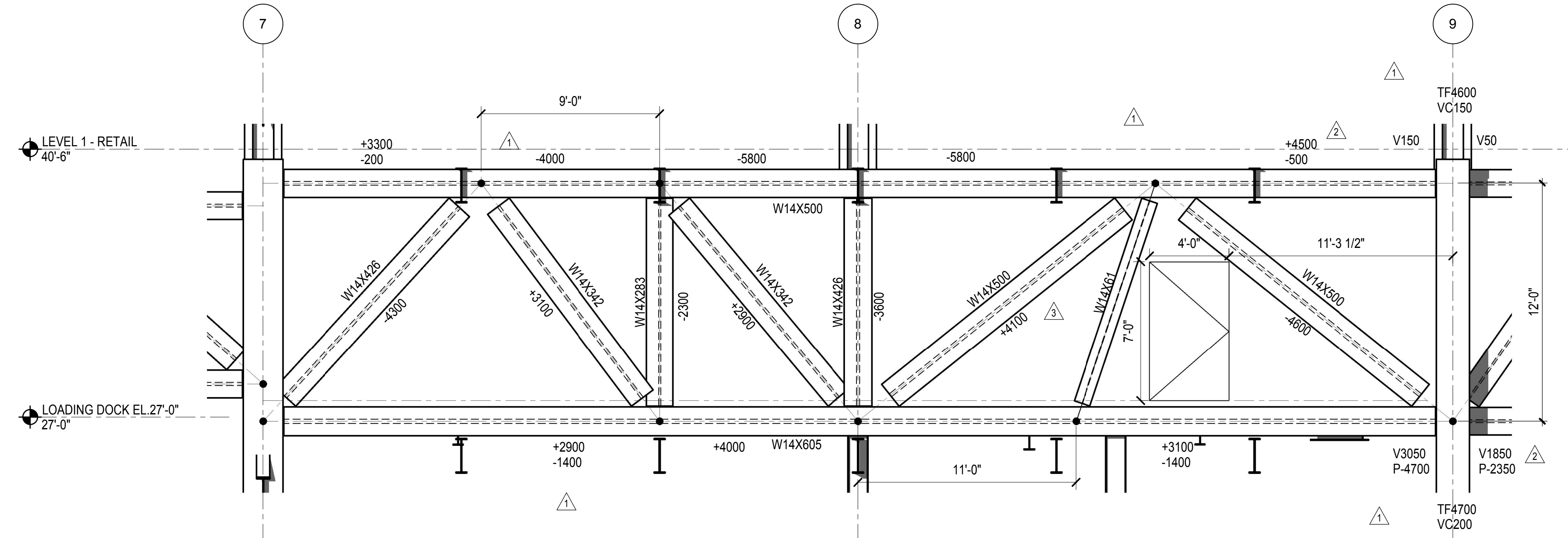
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRUSS TE1 ELEVATION
1/4" = 1'-0"



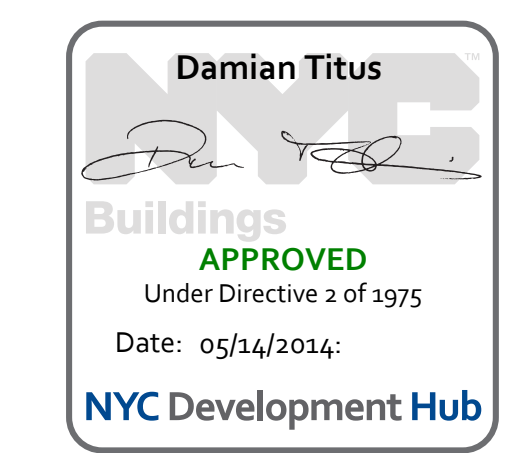
3 TRUSS TE3
1/4" = 1'-0"



2 TRUSS TE2 ELEVATION
1/4" = 1'-0"

NOTES:
CAMBER TOLERANCE FOR TRUSSES SHALL BE AS FOLLOWS:
PRIOR TO INSTALLATION -0, +1/2"
INSTALLED, PRIOR TO INSTALLATION OF FLOORS -1/2, +1/4"

| LEGEND | |
|--------|--|
| P | INDICATES AXIAL FORCE IN TRUSS CHORD |
| V | INDICATES SHEAR FORCE IN TRUSS CHORD |
| M | INDICATES MOMENT IN TRUSS CHORD |
| TF | INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS |
| VC | INDICATES FACTORED SHEAR IN COLUMN |



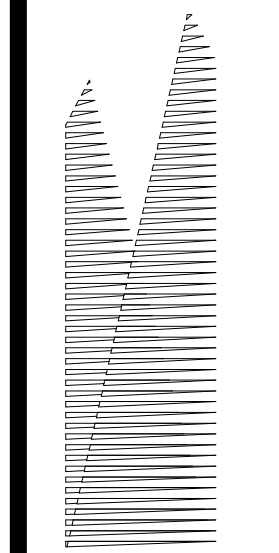
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ D142 PHASE 1 STRUCTURAL UPDATE | 1/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D141 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 01/15/2013 |

Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: Author

HYE - PL - S-415.00
Drawing Title
EAST PLATFORM TRUSS ELEVATIONS AT GRID E

Drawing Number / B/S/C/N Drawing Number
S-415.00

SHEET 124 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

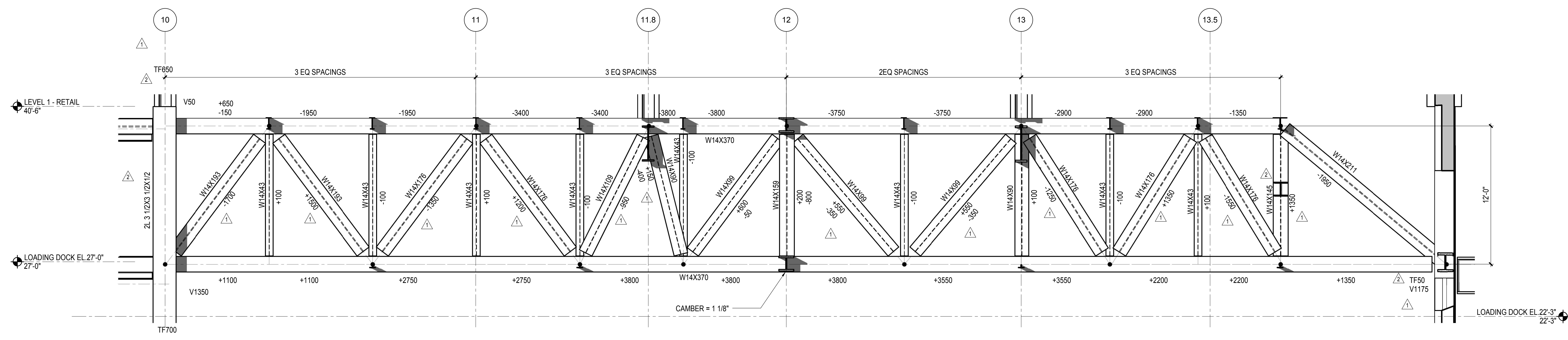
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

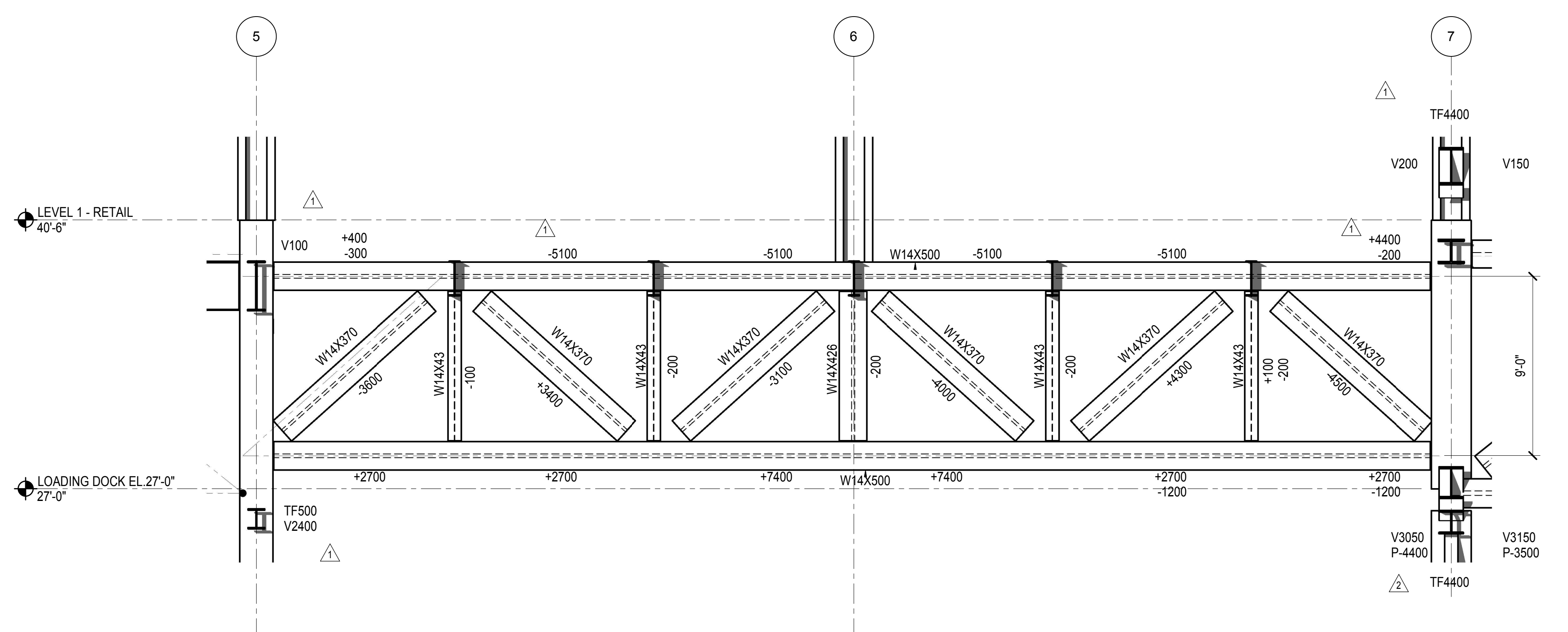
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

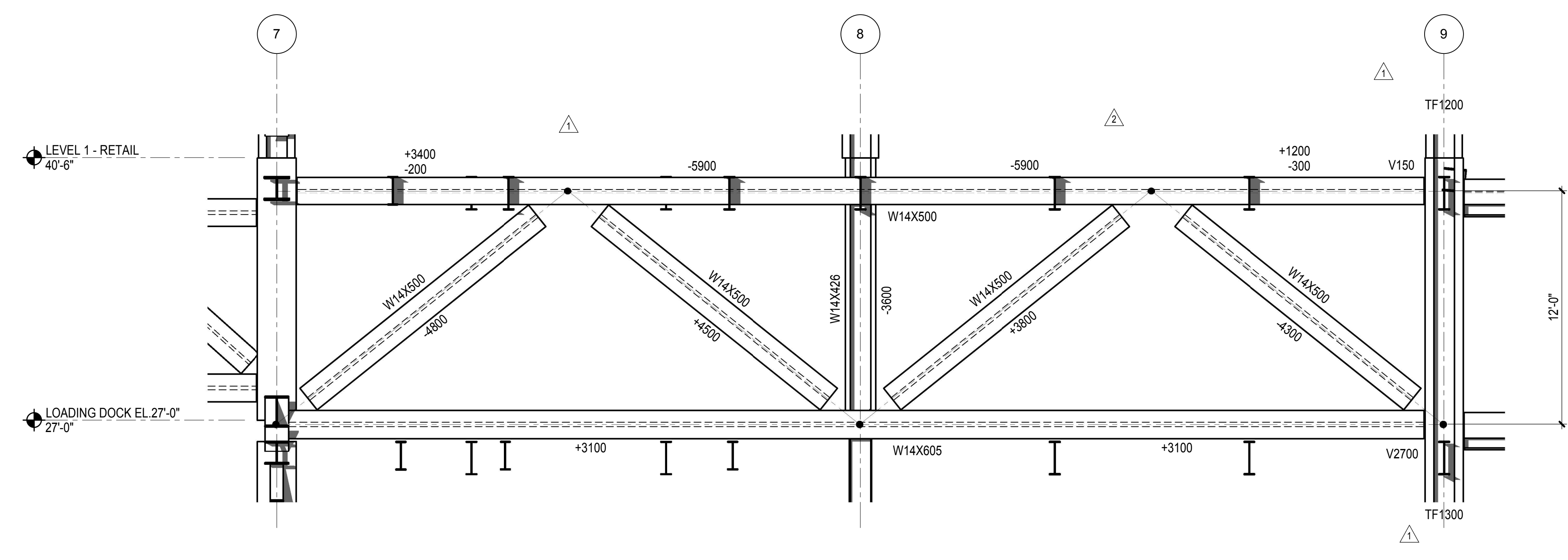
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRUSS TF1 ELEVATION
1/4" = 1'-0"



3 TRUSS TF3 ELEVATION
1/4" = 1'-0"

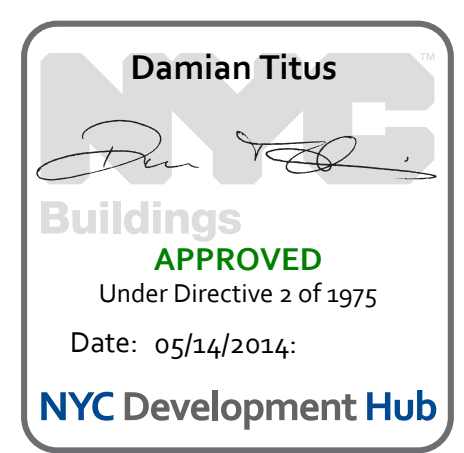


2 TRUSS TF2 ELEVATION
1/4" = 1'-0"

NOTES:

CAMBER TOLERANCE FOR TRUSSES SHALL BE AS FOLLOWS:
PRIOR TO INSTALLATION -0, +1/2"
INSTALLED, PRIOR TO INSTALLATION OF FLOORS -1/4, +1/2"

| LEGEND | |
|--------|--|
| P | INDICATES AXIAL FORCE IN TRUSS CHORD |
| V | INDICATES SHEAR FORCE IN TRUSS CHORD |
| M | INDICATES MOMENT IN TRUSS CHORD |
| TF | INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS |
| VC | INDICATES FACTORED SHEAR IN COLUMN |



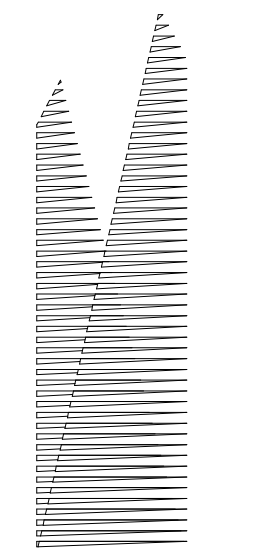
| NYC DOB FILING | DATE |
|---------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&T - PLATFORM SUBMISSION | 11/22/2013 |
| DEL-2 PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| DEL-1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |

Rev. No. Description Date

Date: 08/04/13
Project No: N11330.00
Drawn By: Author
Sheet Number: Author

HYE - PL - S-416.00
Drawing Title
EAST PLATFORM TRUSS ELEVATIONS AT GRID F

Drawing Number / B/S/C/S/N Drawing Number
S-416.00
SHEET 125 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

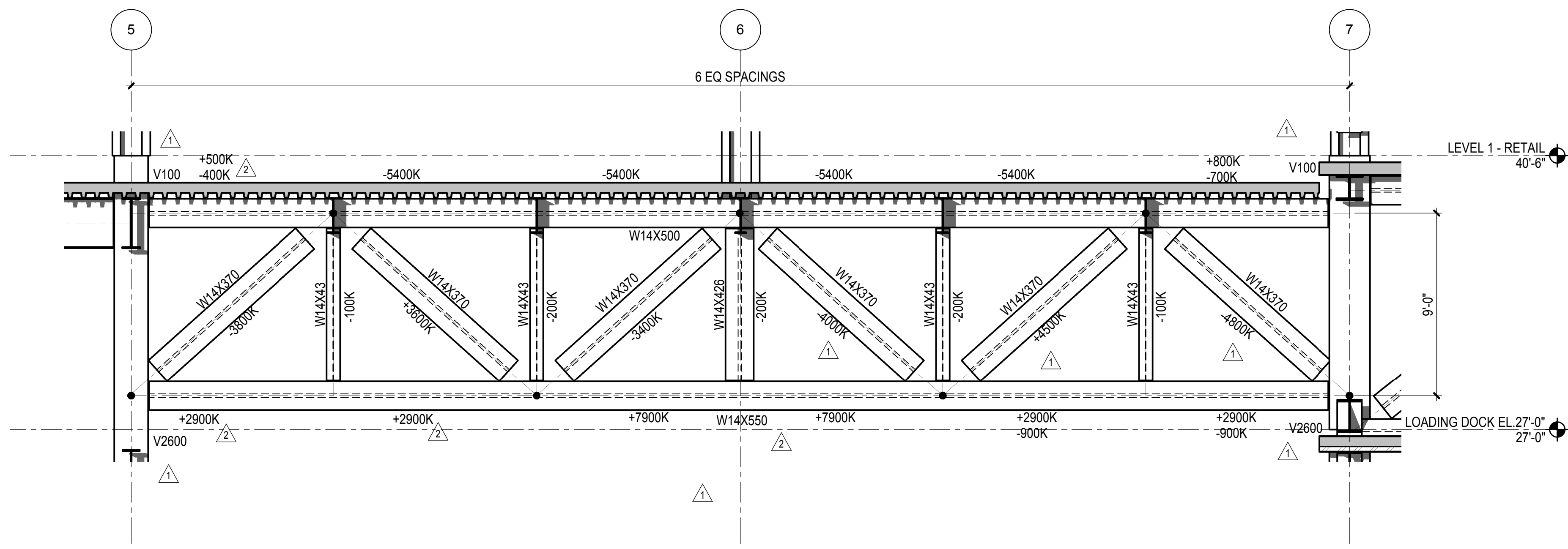
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

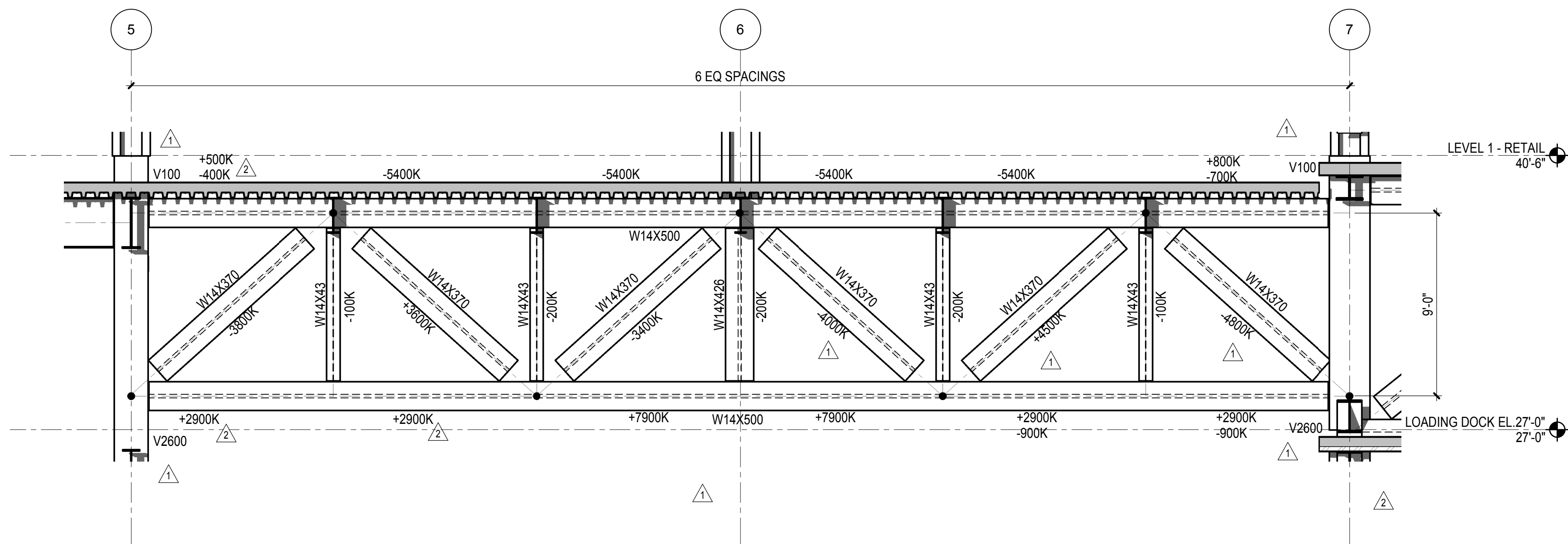
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

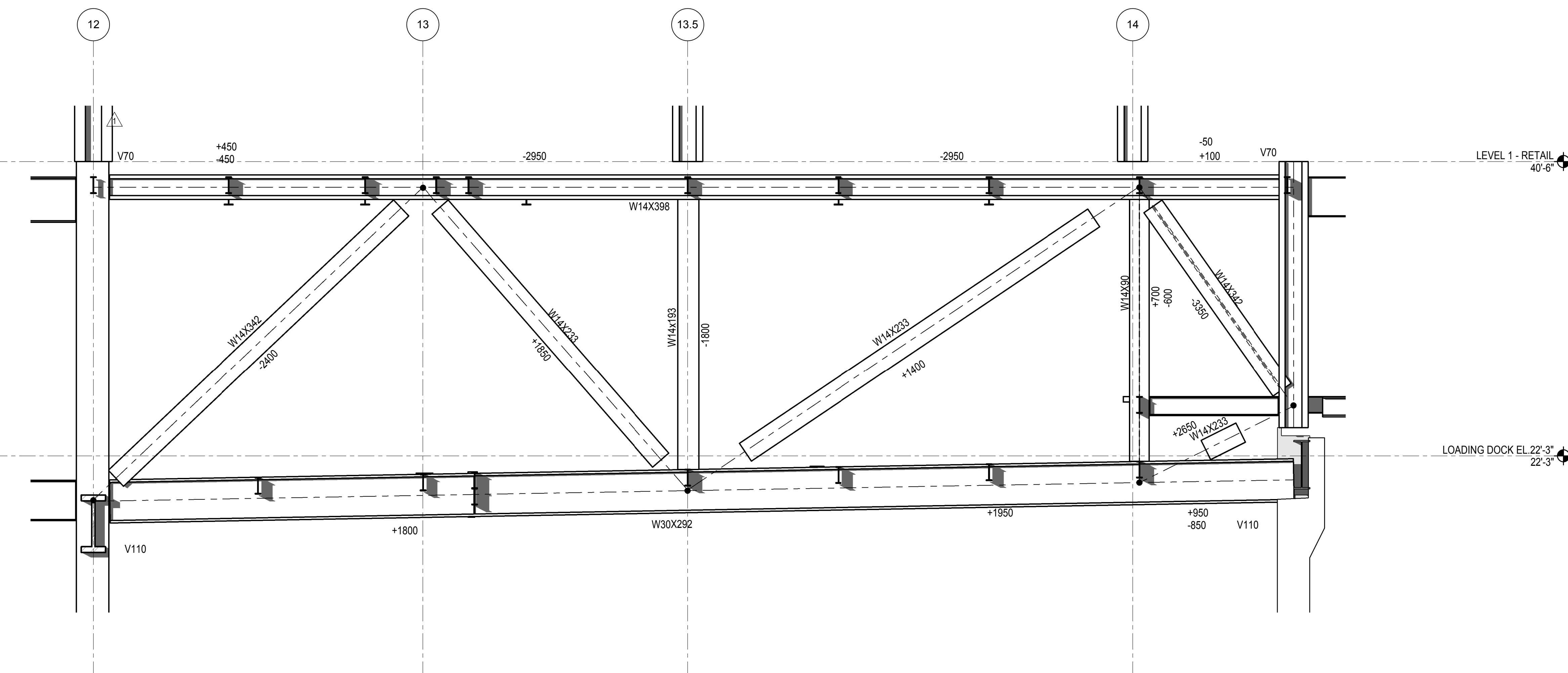
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRUSS TG1, TH1, TK1 ELEVATION
1/4" = 1'-0"



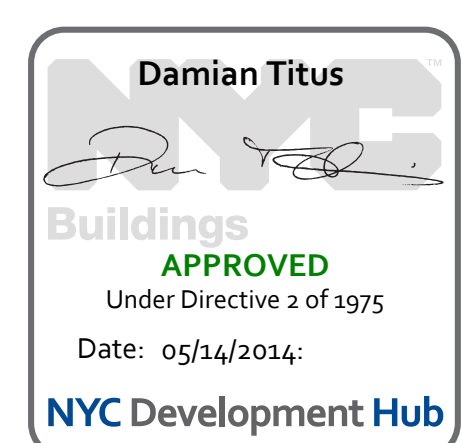
2 TRUSS TJ1, TL1 ELEVATION
1/4" = 1'-0"



4 TRUSS TM1
1/4" = 1'-0"

| | | |
|----------------------------------|-------------|------|
| NYC DOB FILING | 12/4/2013 | |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 | |
| M&U PLATFORM SUBMISSION | | |
| Δ D142 PHASE 1 STRUCTURAL UPDATE | 1/1/2013 | |
| NYC DOB FILING | 10/4/2013 | |
| Δ D141 PHASE 1 STRUCTURE UPDATE | 9/20/2013 | |
| LIRR - 90% SUBMISSION | 8/09/2013 | |
| NYC DOB FILING | 6/17/2013 | |
| LIRR - 60% SUBMISSION | 5/29/2013 | |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 | |
| LIRR - 30% SUBMISSION | 2/15/2013 | |
| Rev | Description | Date |

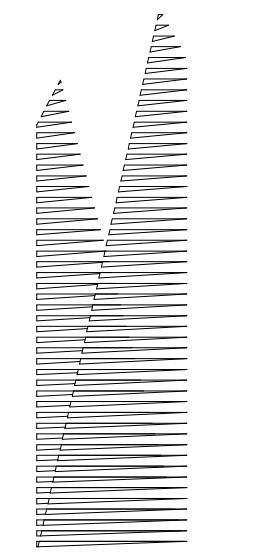
Rev Plot



Date: 03/12/13
Project No: N11330.00
Author

HYE - PL - S-417.00
Drawing Title
EAST PLATFORM TRUSS ELEVATIONS AT MOE GRID G TO L & M

Drawing Number / B/S/C/N Drawing Number
S-417.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officed Properties Group
620 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

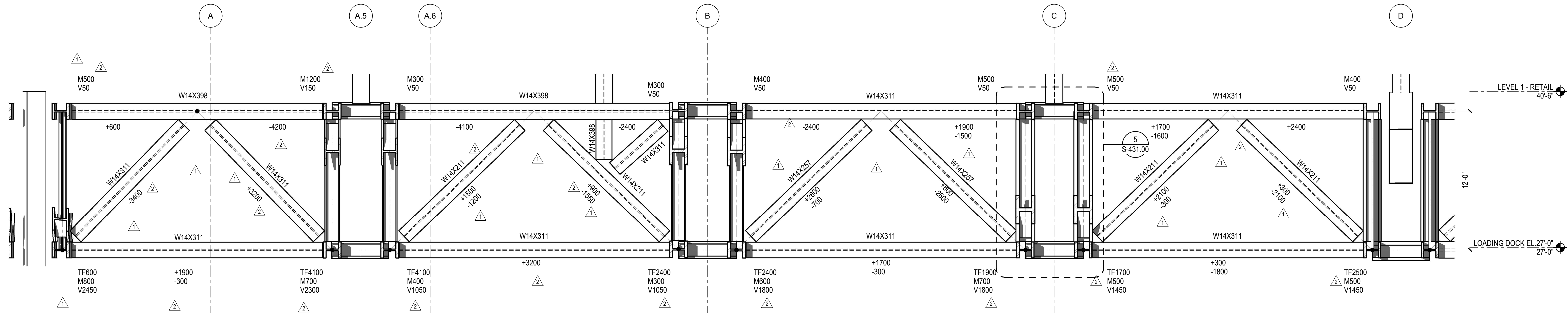
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

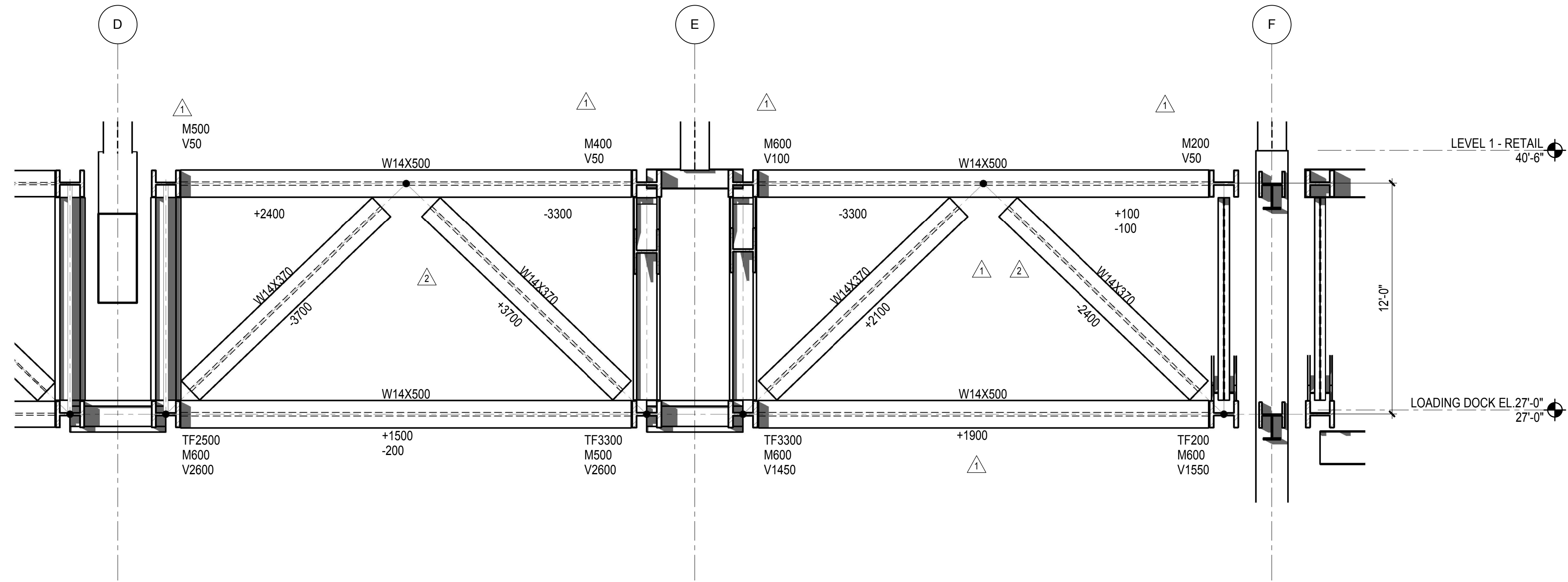
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



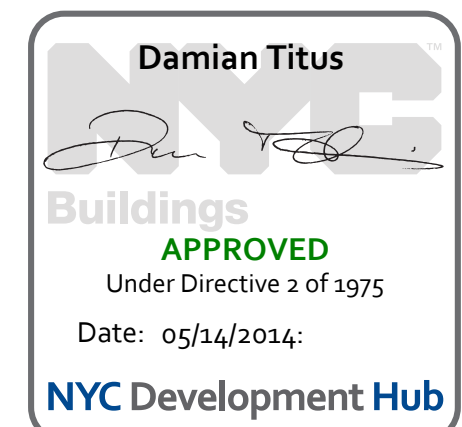
1 TRUSS T10A ELEVATION
1/4" = 1'-0"



3 TRUSS T10A ELEVATION - CONTINUED
1/4" = 1'-0"

| No. | Description | Date |
|-----|----------------------------------|------------|
| 1 | NYC DOB FILING | 12/4/2013 |
| 2 | L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| 3 | M&T - PLATFORM SUBMISSION | |
| 4 | Δ D142 PHASE 1 STRUCTURAL UPDATE | 1/1/2013 |
| 5 | NYC DOB FILING | 10/4/2013 |
| 6 | Δ D141 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| 7 | LIRR - 90% SUBMISSION | 8/09/2013 |
| 8 | NYC DOB FILING | 6/17/2013 |
| 9 | LIRR - 60% SUBMISSION | 5/29/2013 |
| 10 | LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| 11 | LIRR - 30% SUBMISSION | 2/15/2013 |

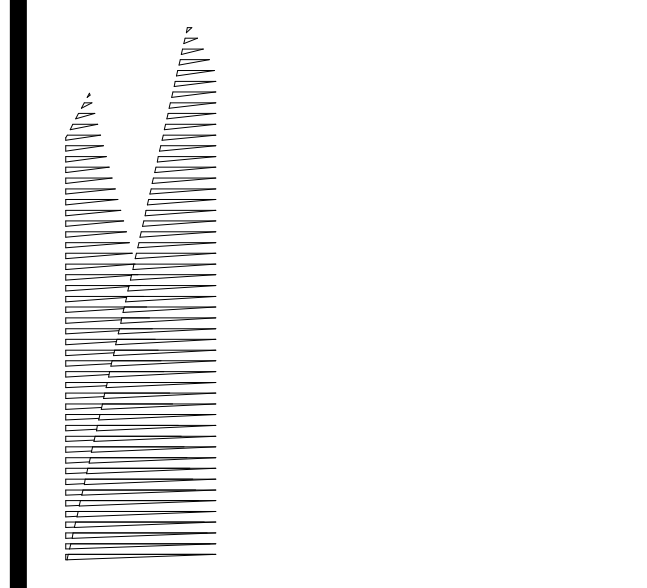
Rev Plot



Date: 02/15/2013
Project No: N11330.00
Author: [Signature]

HYE - PL - S-418.00
Drawing Title
**EAST PLATFORM
TRUSS ELEVATIONS AT
GRID 10**

Drawing Number / Revision Drawing Number
S-418.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Offical Properties Group
520 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

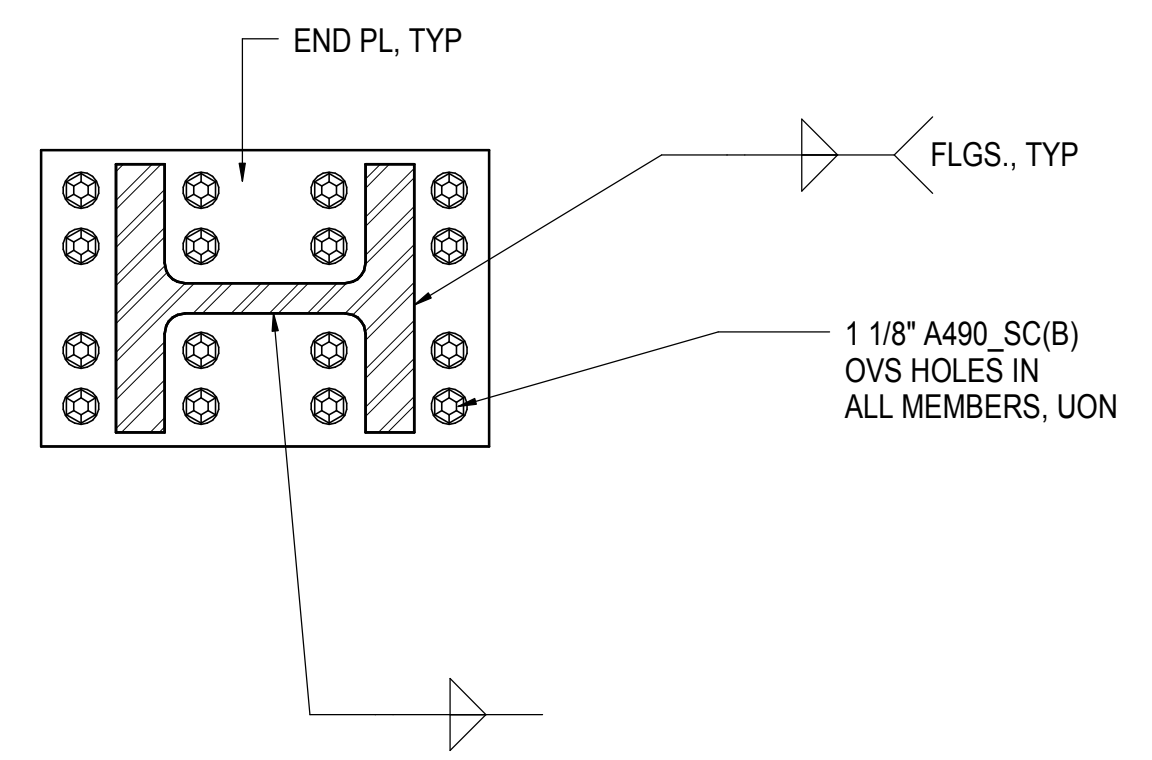
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

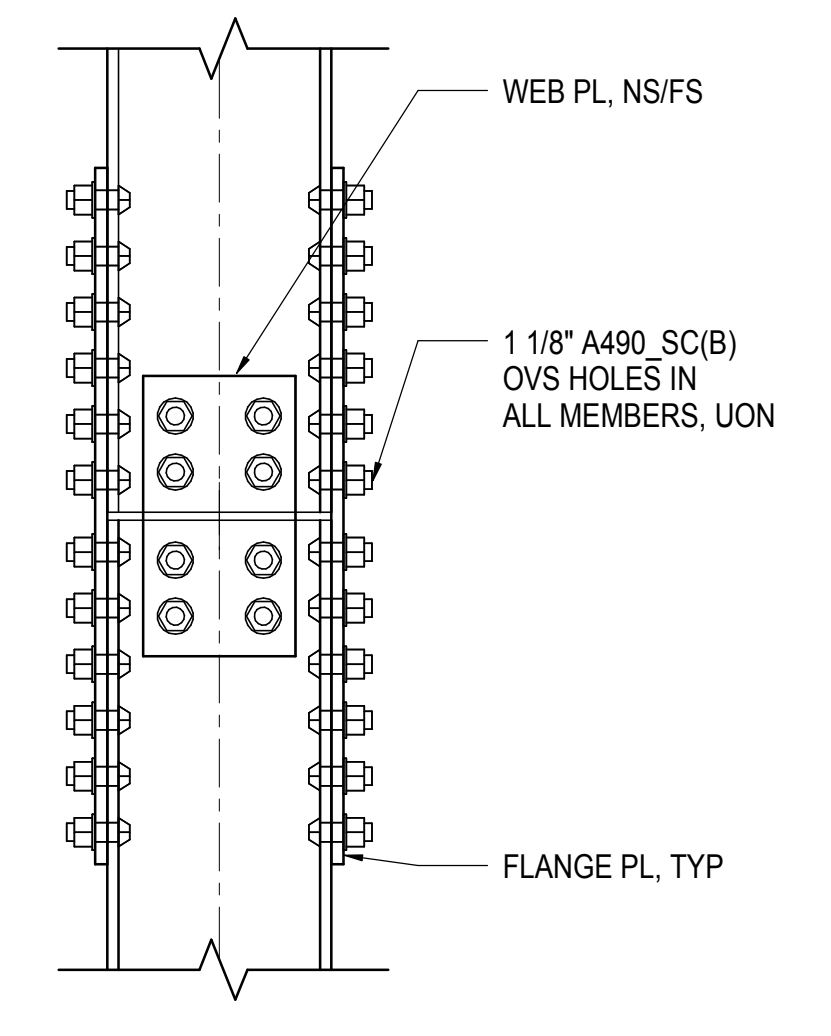
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

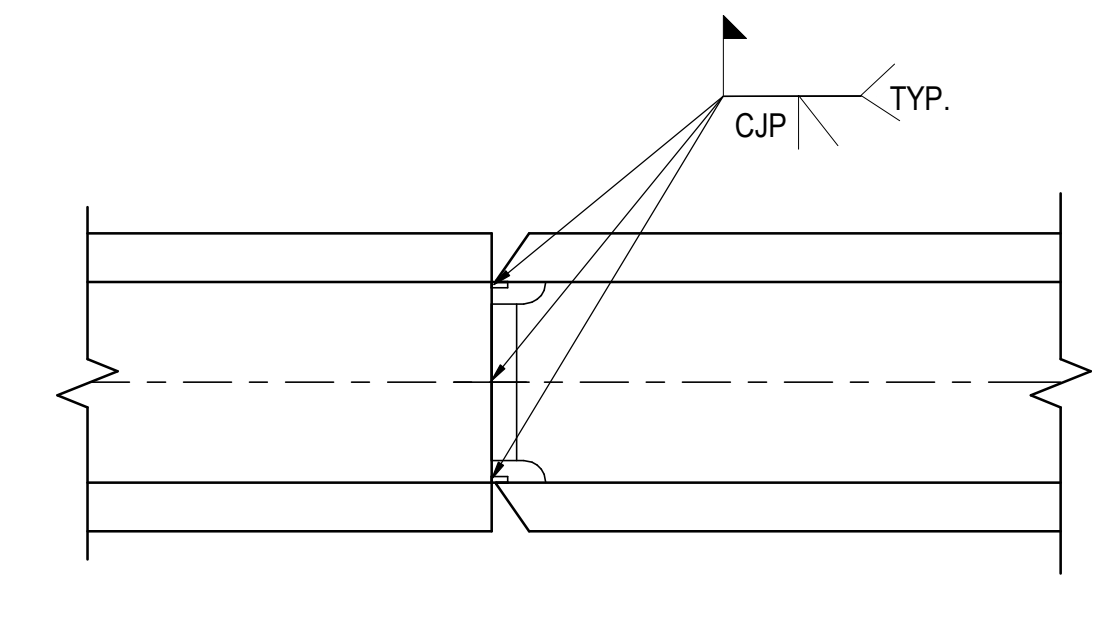
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



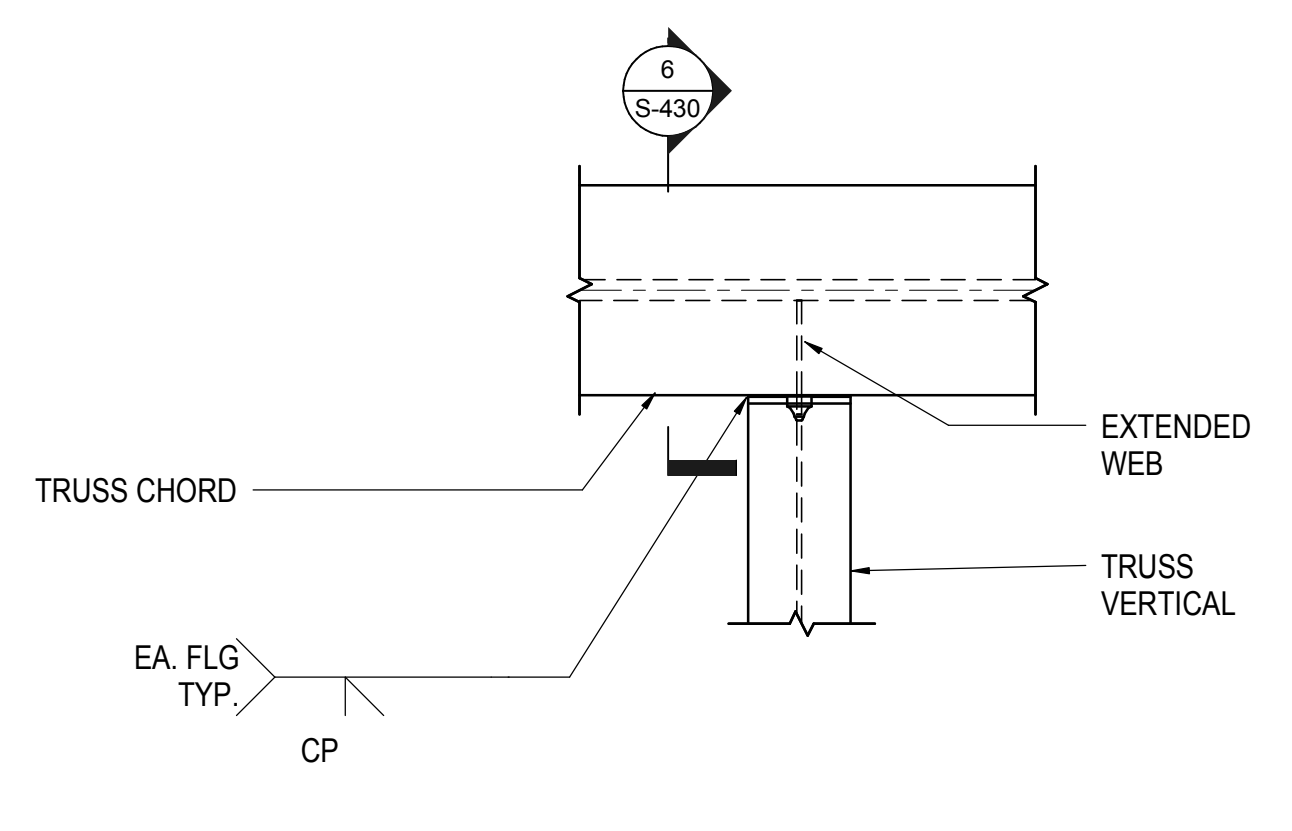
1 TYPICAL TOP CHORD TRUSS COMPRESSION ONLY SPLICE
1" = 1'-0"



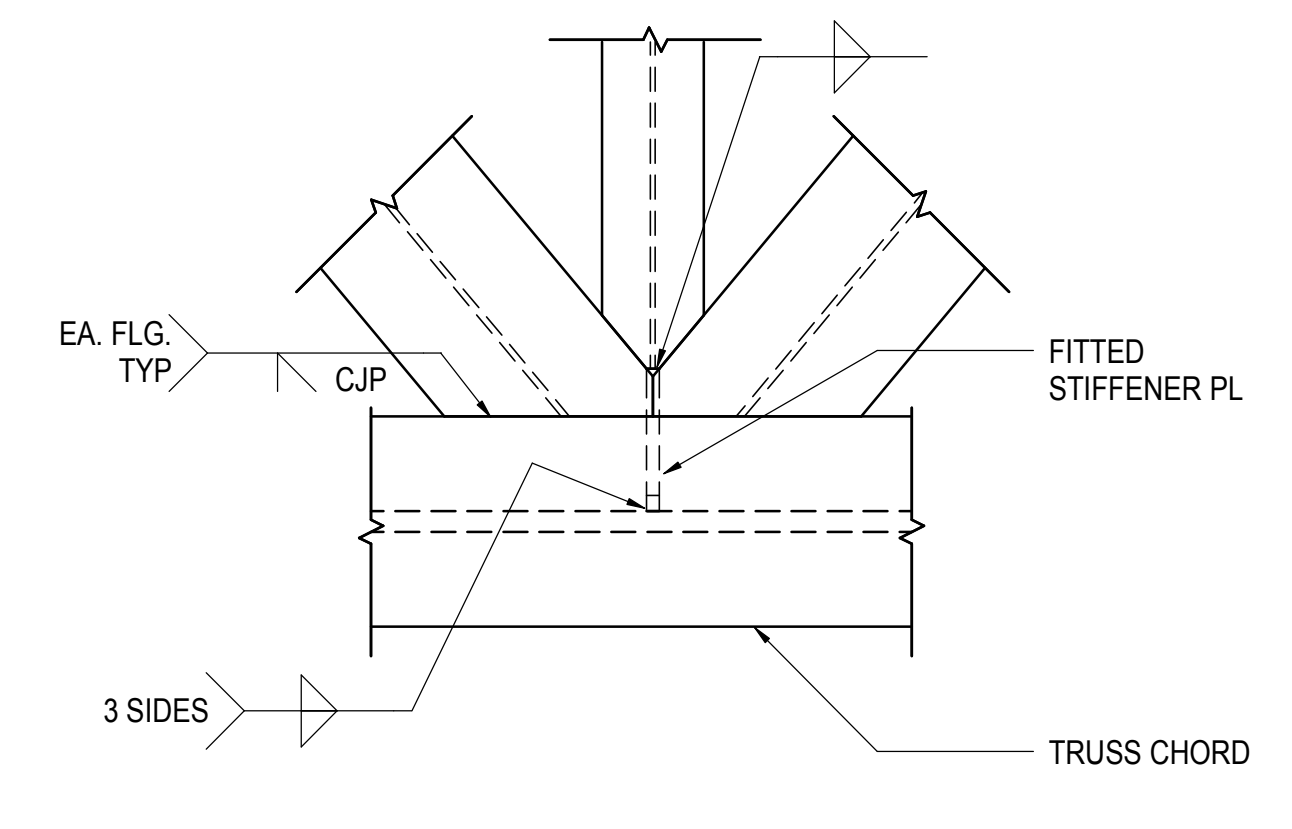
2 TYPICAL TRUSS DIAGONAL SPLICE
1" = 1'-0"



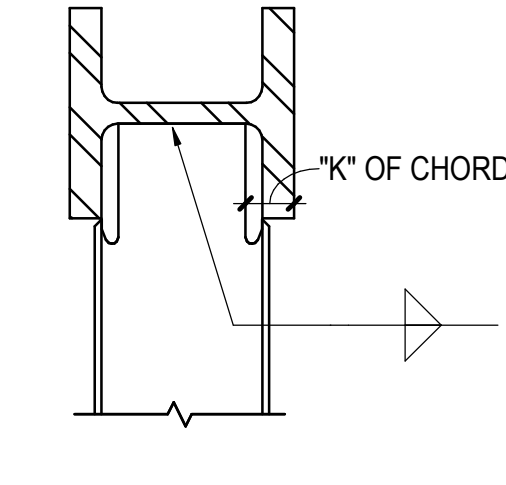
3 TYPICAL TRUSS BOTTOM CHORD TENSION SPLICE
1" = 1'-0"



4 TYPICAL WELDED TRUSS NODE
1" = 1'-0"



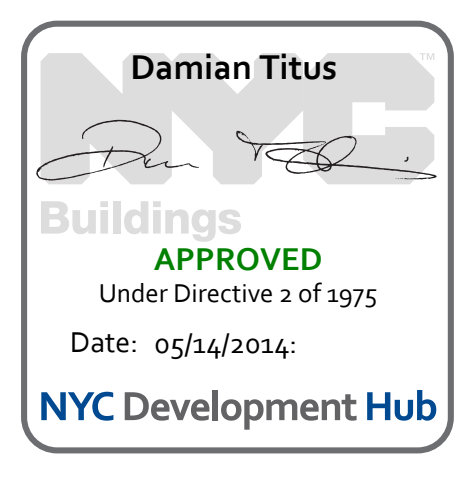
5 TYPICAL WELDED TRUSS NODE
1" = 1'-0"



6 SECTION TYPICAL WELDED TRUSS NODE
1" = 1'-0"

| No. | Description | Date |
|----------------------------------|-------------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| LIRR - PRE-FINAL | 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | | |
| Δ D142 PHASE 1 STRUCTURAL UPDATE | | 1/1/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ D141 PHASE 1 STRUCTURE UPDATE | | 9/20/2013 |
| LIRR - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| LIRR - 60% SUBMISSION | | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | | 3/29/2013 |
| LIRR - 30% SUBMISSION | | 2/15/2013 |

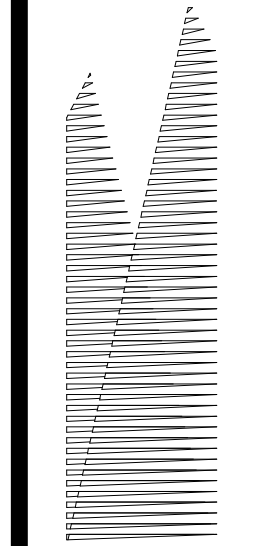
See Plan



Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number:

HYE -PL -S-430.00
Drawing Title
TRUSS SUPPORT COLUMN AT GRID 13.5

Drawing Number / B/S/C/S/N Drawing Number
S-430.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

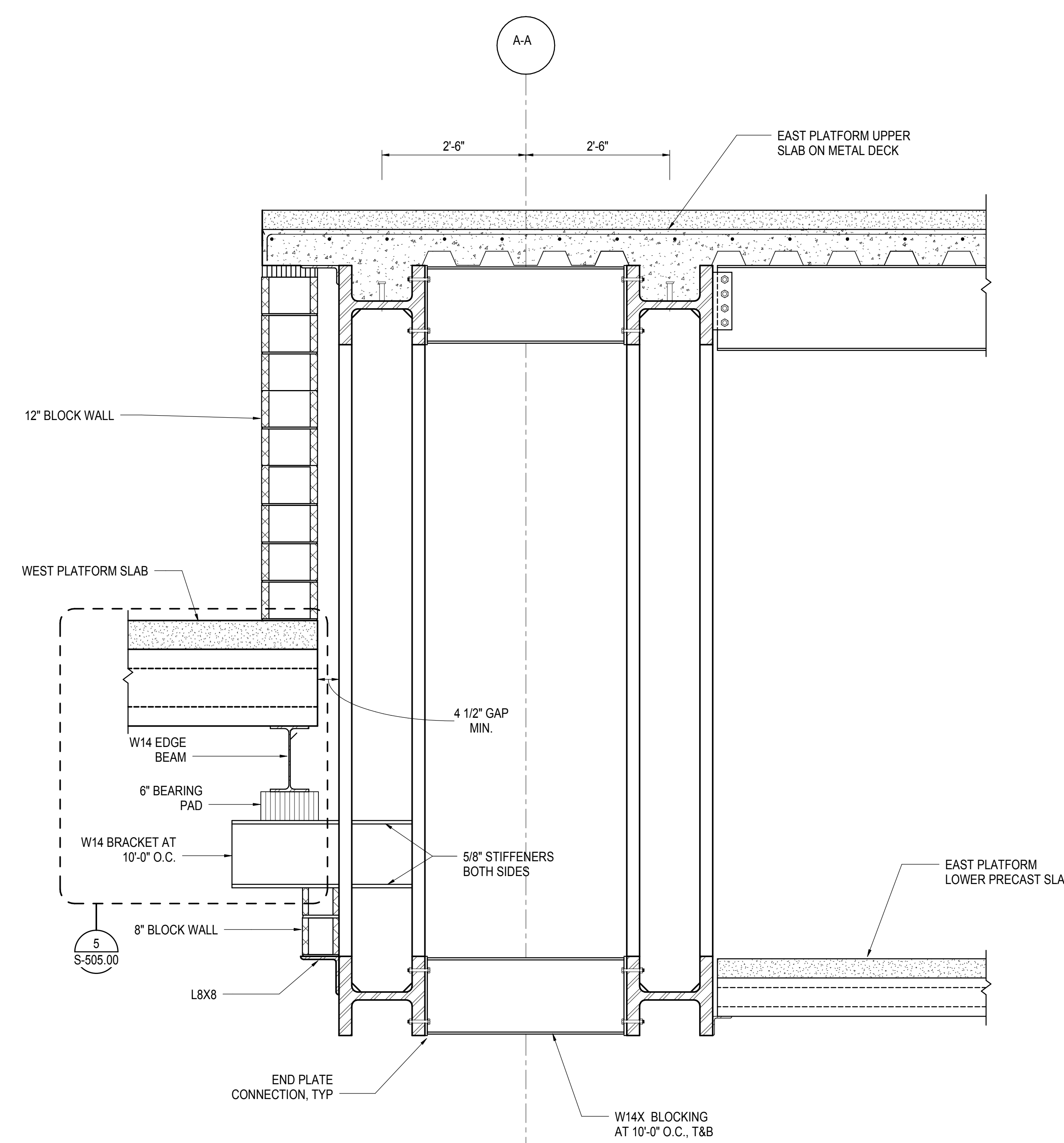
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

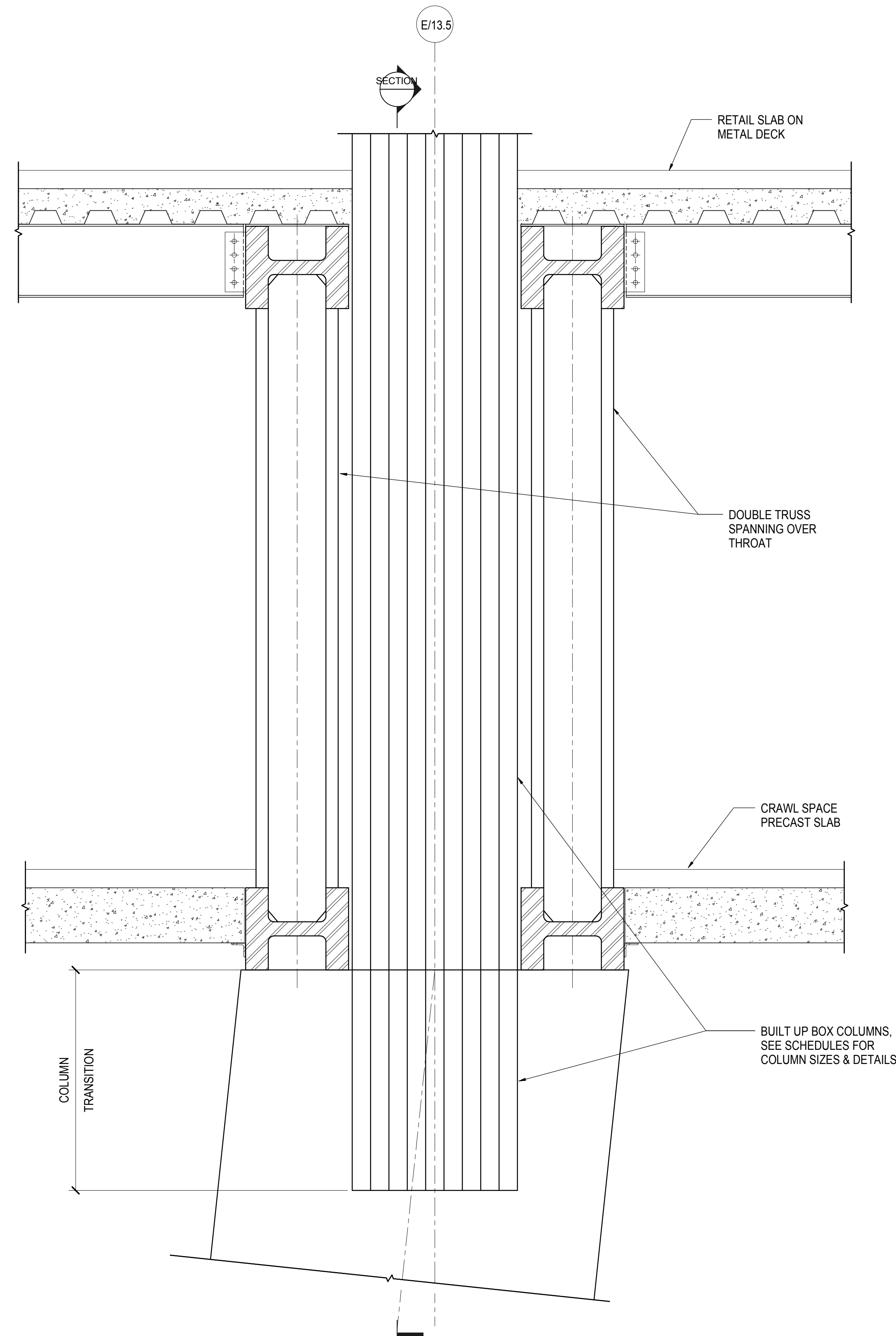
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

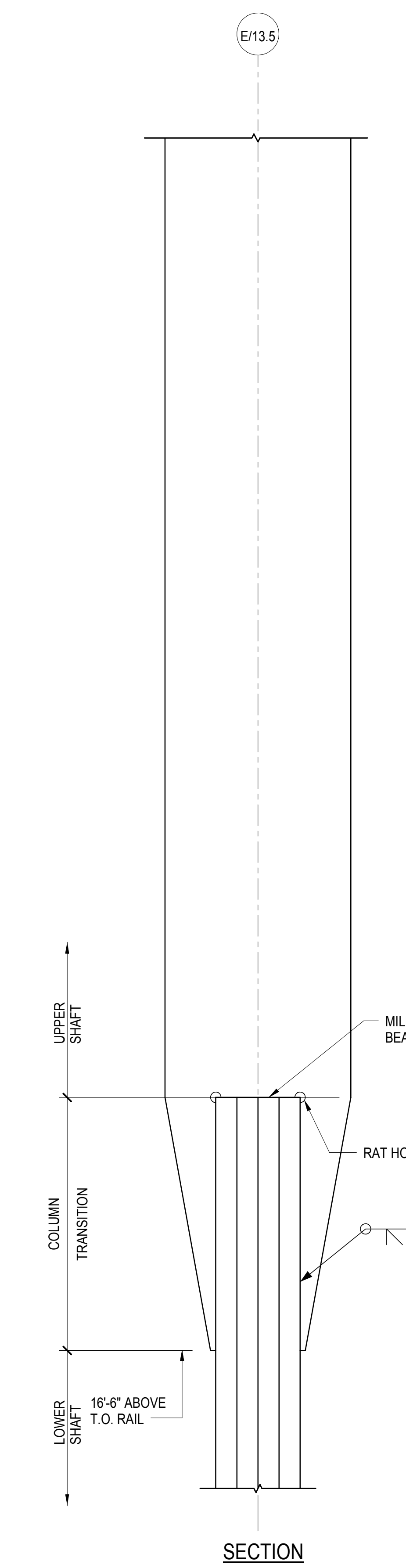
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



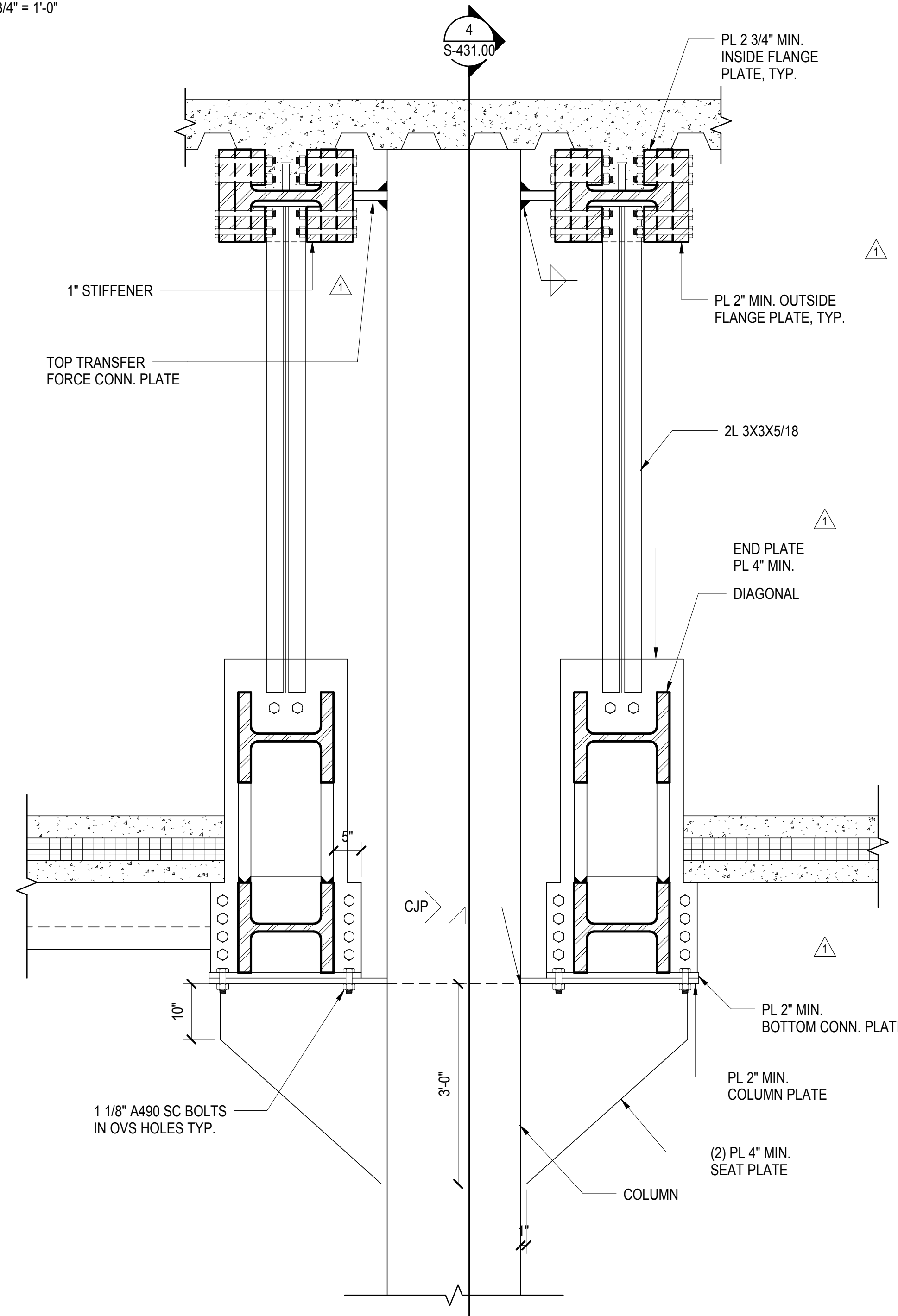
1 DOUBLE TRUSS A-A
3/4" = 1'-0"



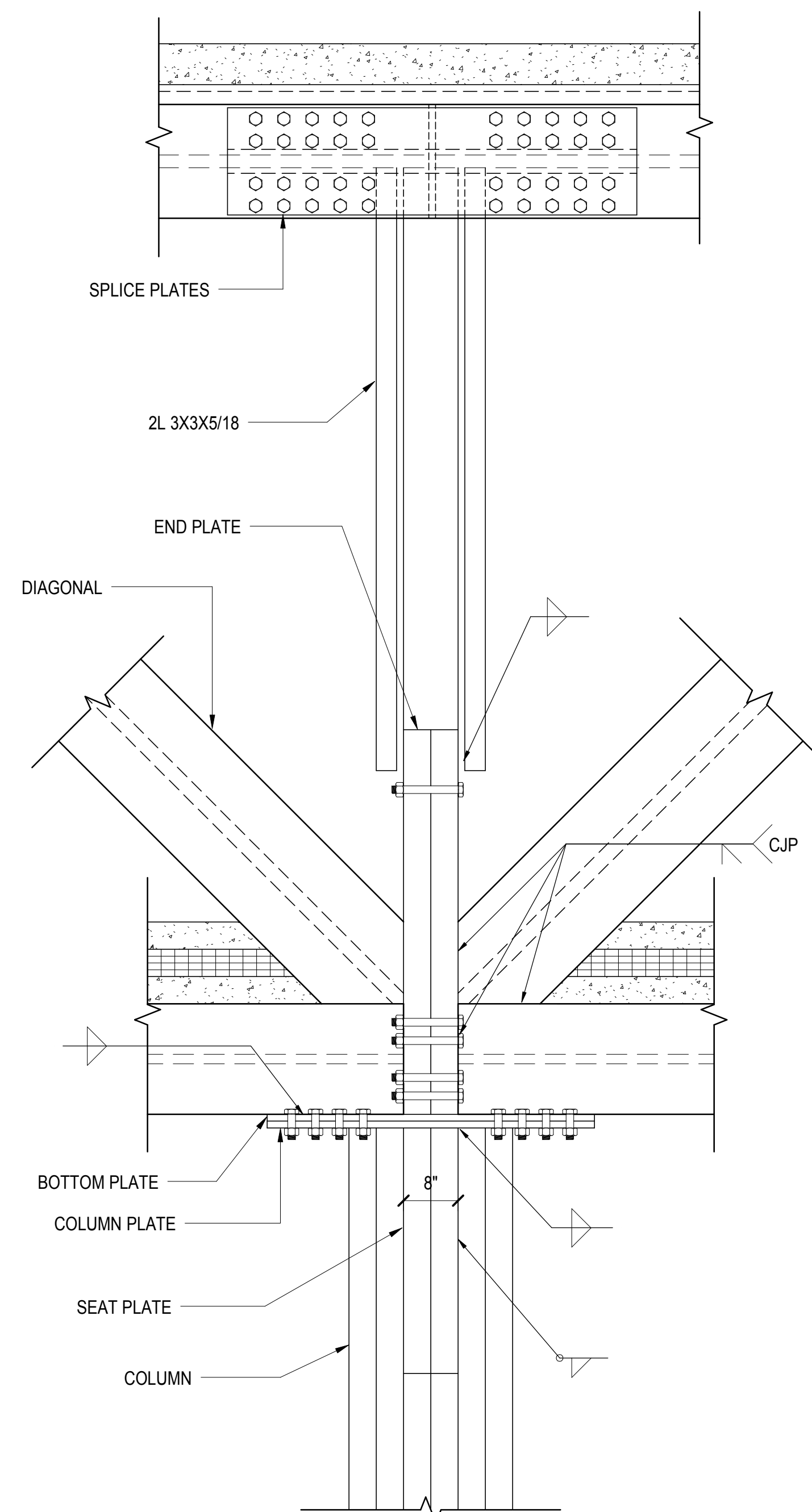
2 TRUSS TO COLUMN CONNECTION AT COLUMN E/13.5
3/4" = 1'-0"



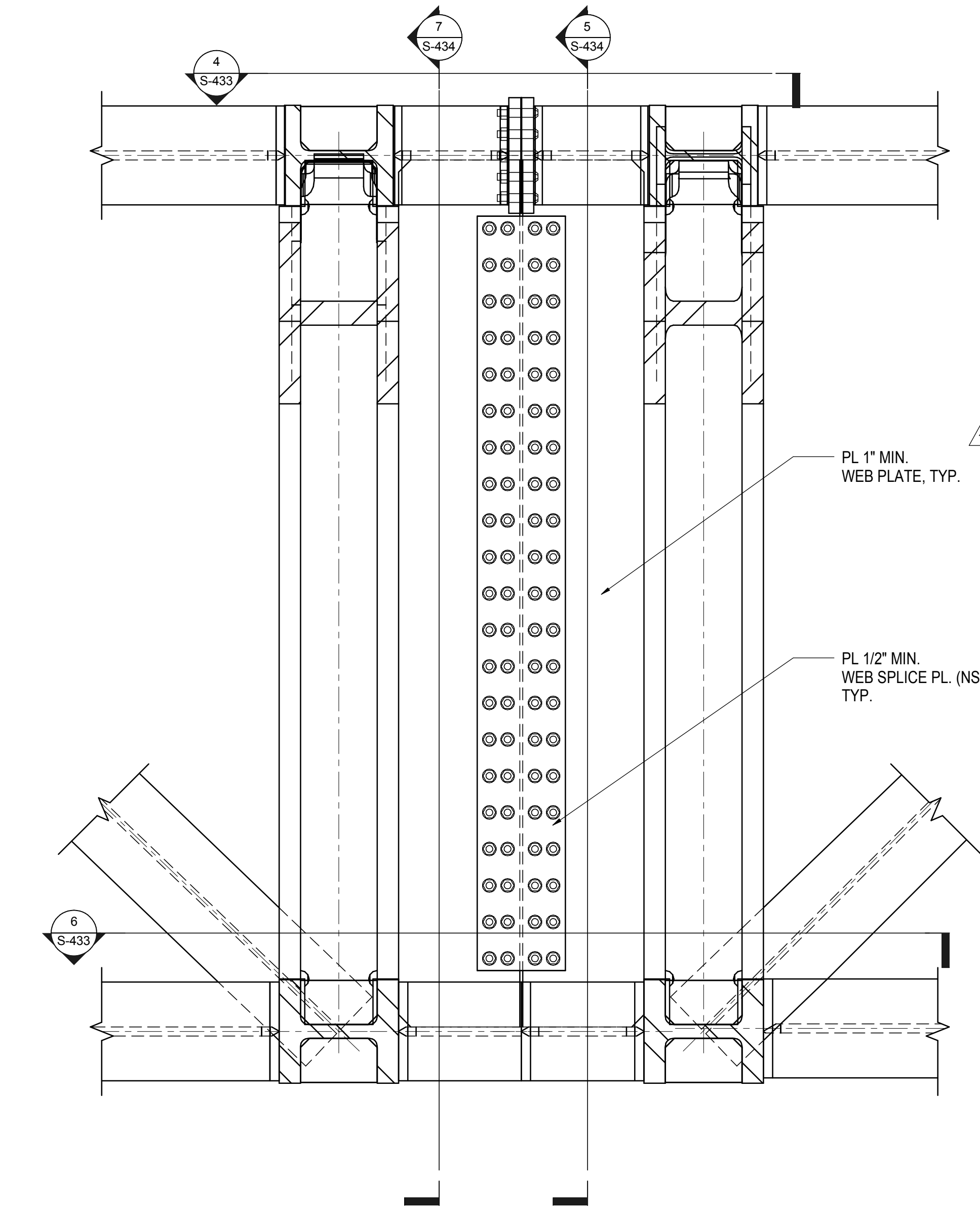
SECTION



3 TYPICAL COLUMN & TRUSS CONNECTION
3/4" = 1'-0"



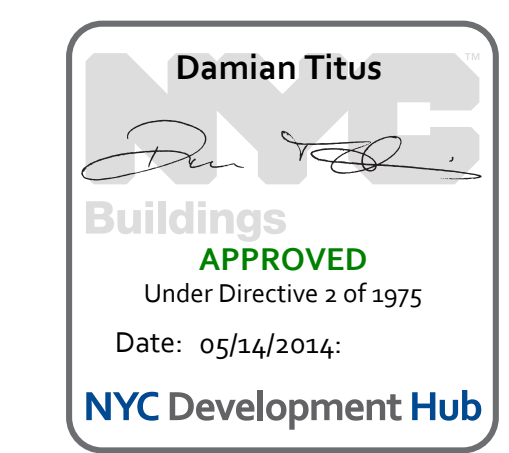
4 TYPICAL COLUMN & TRUSS CONNECTION SECTION
3/4" = 1'-0"



5 DOUBLE TRUSS WEB PLATE DETAIL
3/4" = 1'-0"

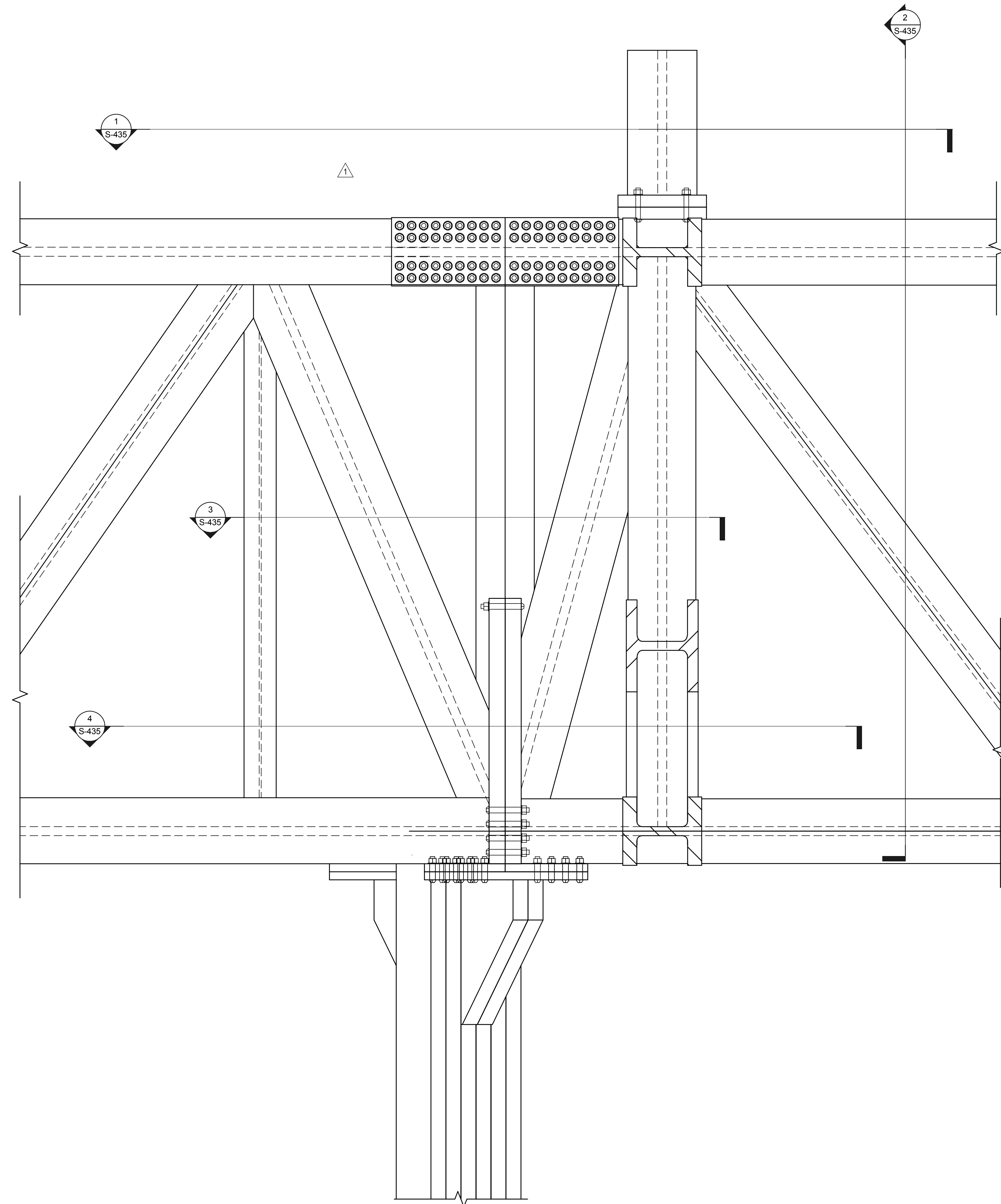
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|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Md. - PLATFORM SUBMISSION | 11/22/2013 |
| A - DRG PHASE I STRUCTURAL UPDATE | 11/21/2013 |
| NYC DOB FILING | 10/4/2013 |
| B - DRG PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| L.I.R.R. - 60% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| NYC Description | Alt. |

Fig. Plan



Date: 05/29/2013
Project No: N11330.00
Drawn By: Author
Check Number: Author

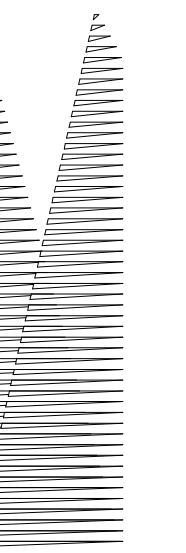
HYE-PL-S-431.00
TRUSS SECTIONS AND
DETAILS



1 ELEVATION VIEW AT TRUSS SUPPORTING COLUMN
ABOVE (GRIDLINE D/10 & AA/10)
3/4" = 1'-0"

**HUDSON YARDS
PLATFORM**

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
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New York, NY 10023
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Oxford Properties Group
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New York, NY 10022
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PC Architects & Planning Consultants
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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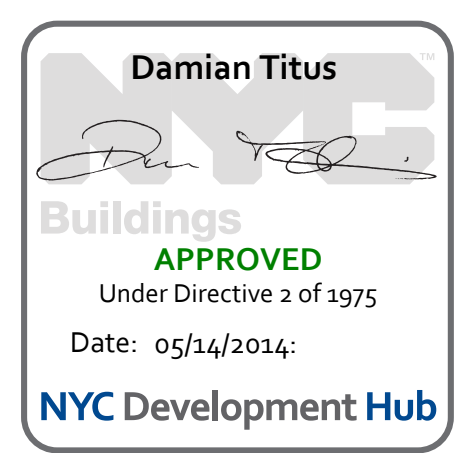
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172

| | |
|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MoU - PLATFORM SUBMISSION | |
| 2. DE-20 PHASE 1 STRUCTURE UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| 1. DE-10 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| MoU - Description | MoU |

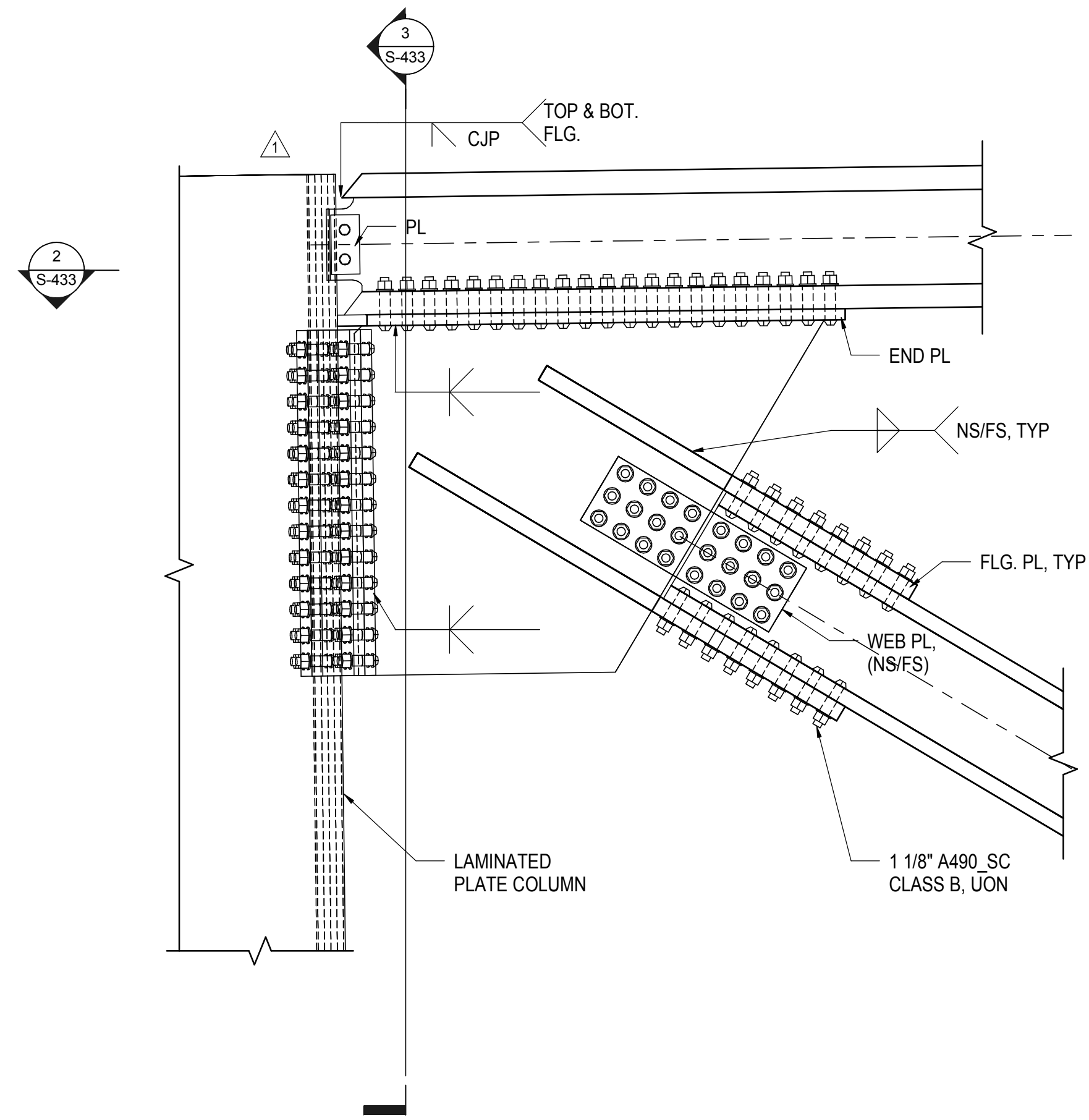
Rev Plot



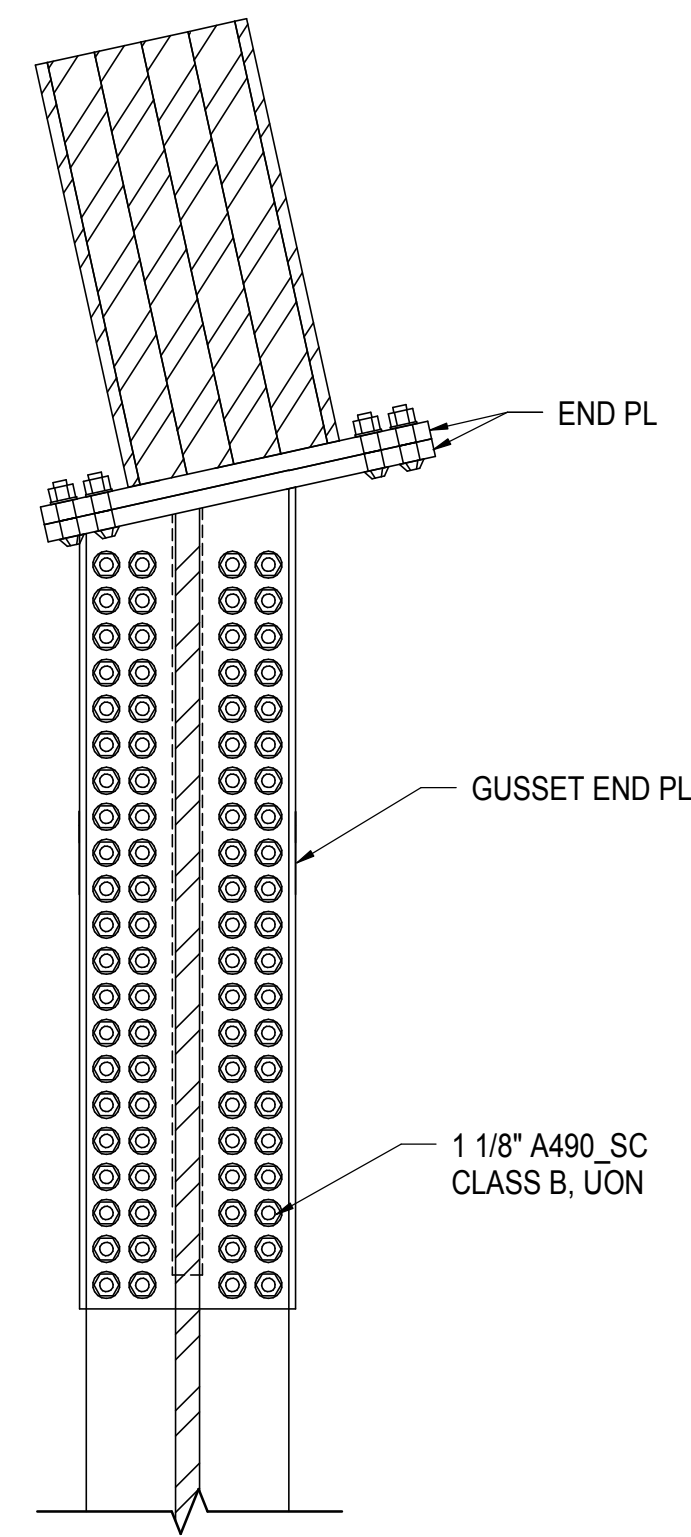
Date: 08/09/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: 131 OF 201

HYE -PL -S-432.00
Drawing Title
**TRUSS SECTIONS AND
DETAILS**

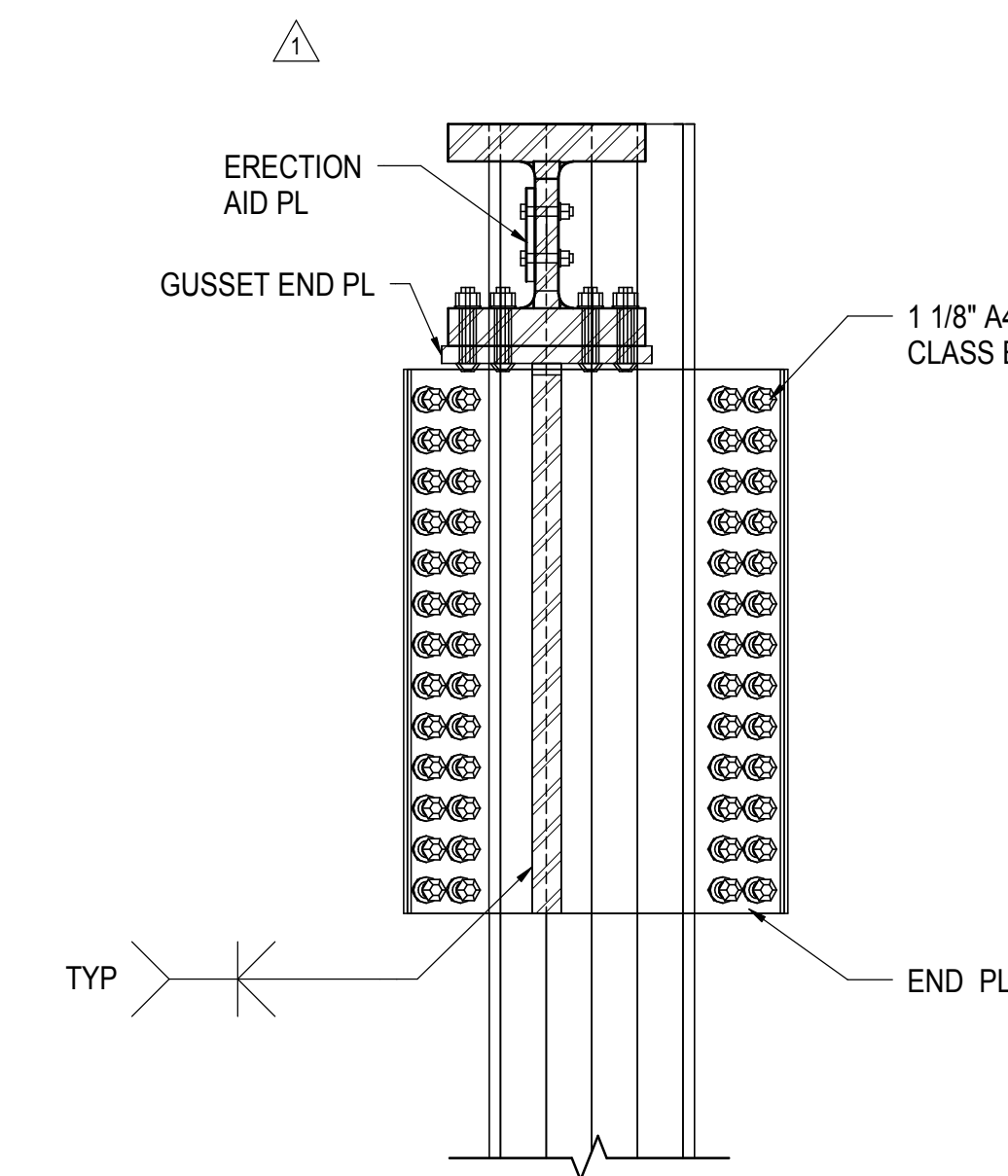
Drawing Number / B/S/CAN Drawing Number
S-432.00
SHEET 131 OF 201



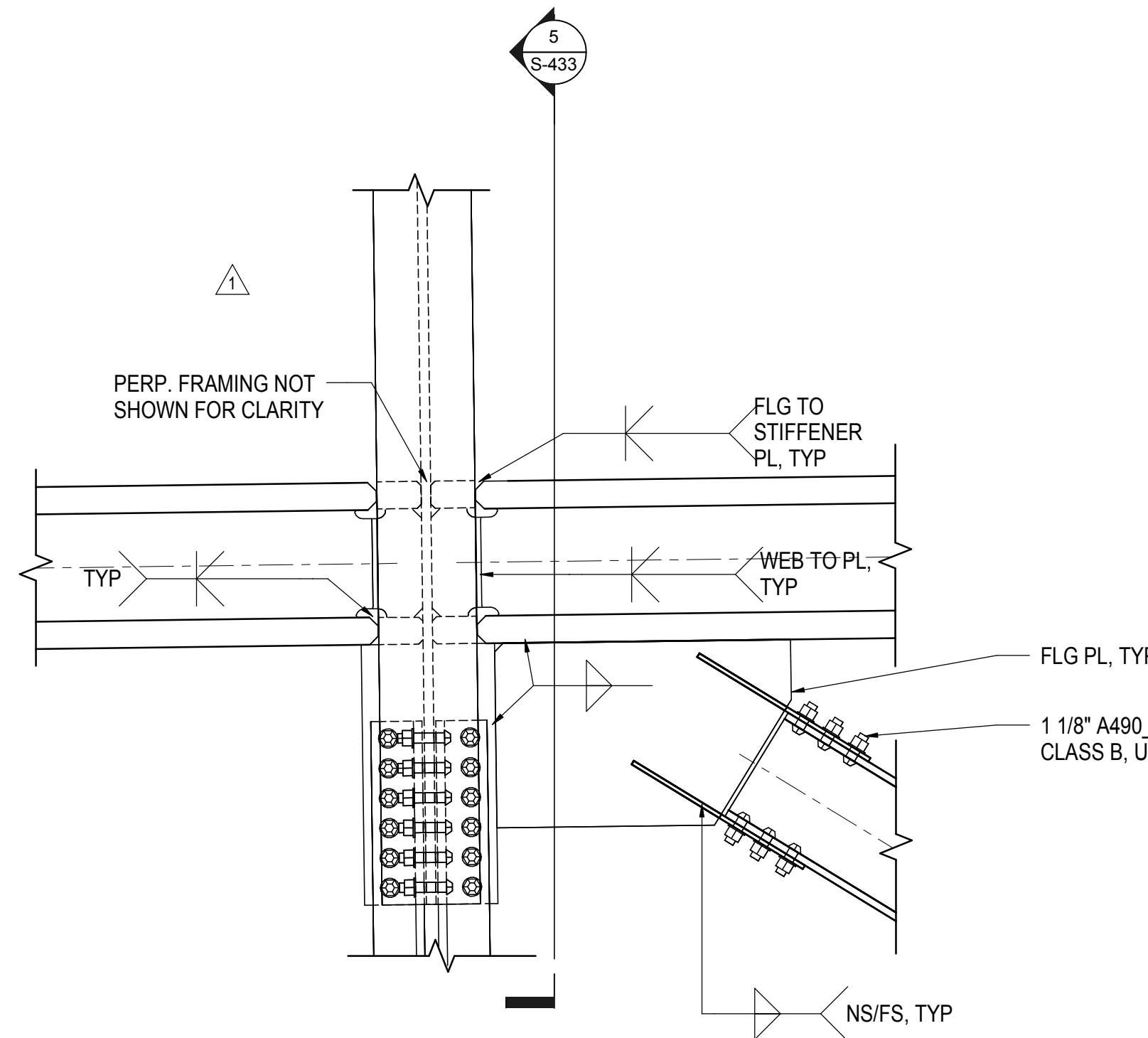
1 TEMPORARY TRUSS BOLTED TOP CHORD NODE
3/4" = 1'-0"



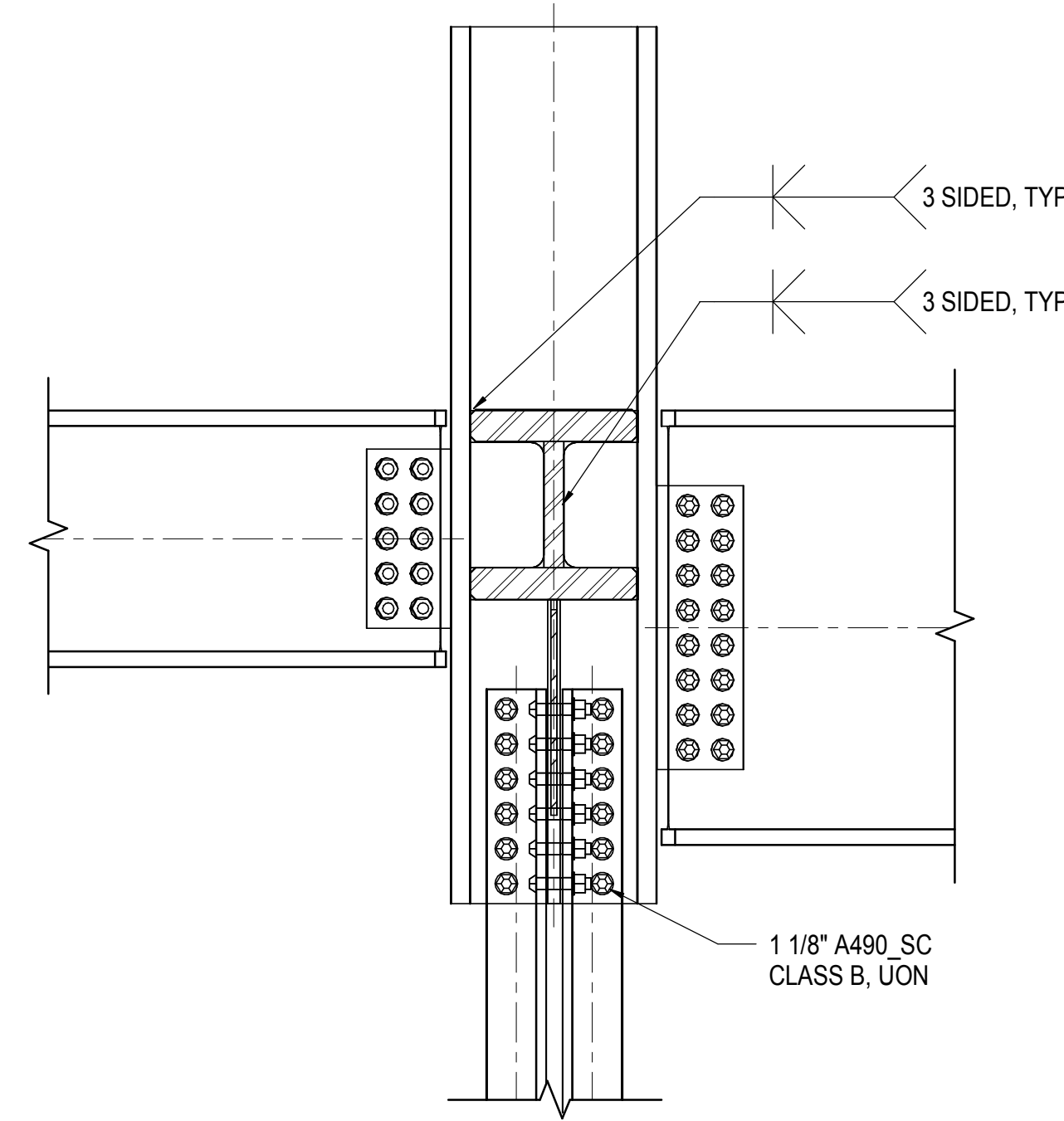
2 TEMPORARY TRUSS GUSSET END PLATE TO BEAM FLANGE
3/4" = 1'-0"



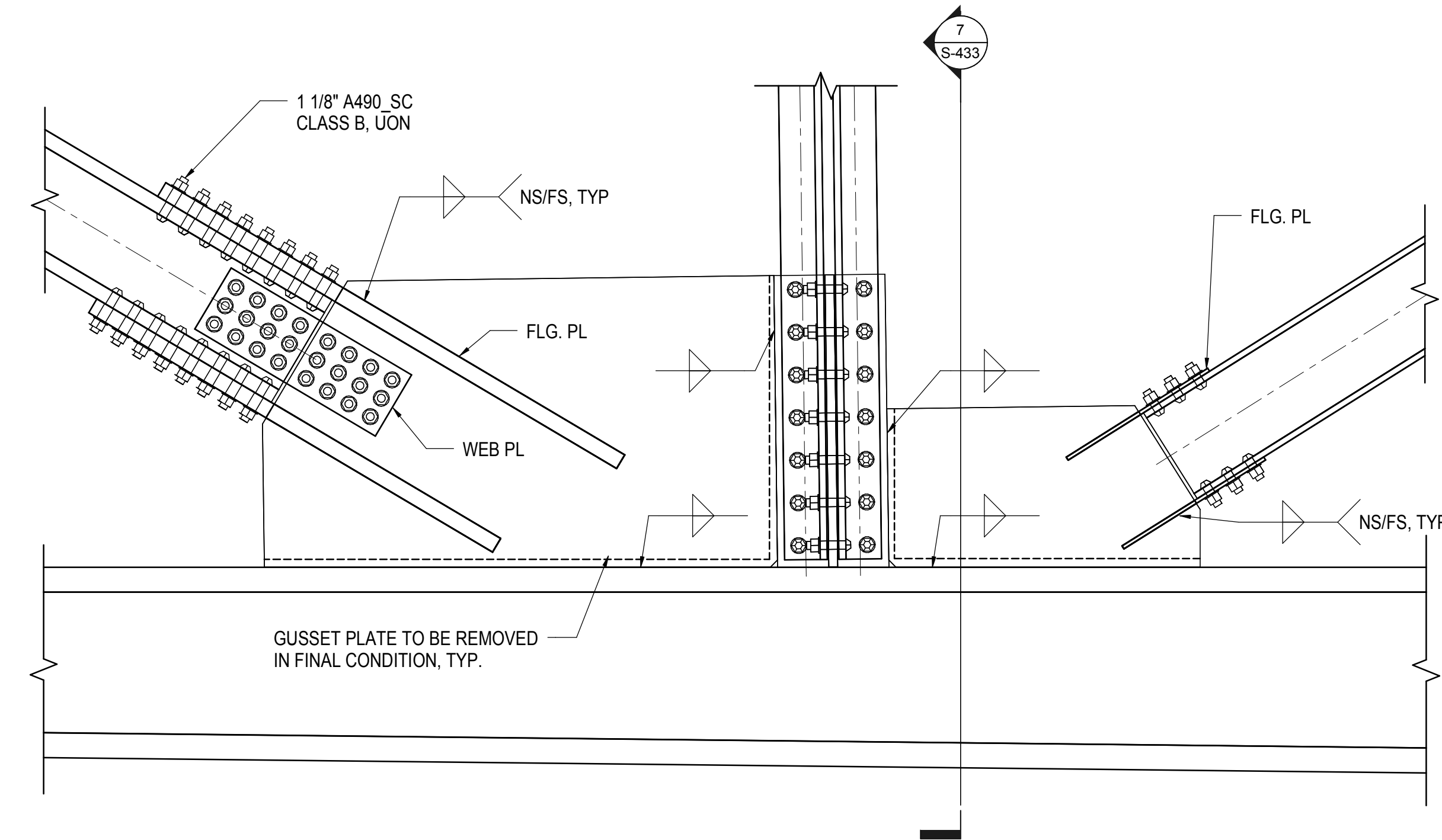
3 TEMPORARY TRUSS GUSSET END PLATE TO BOX COLUMN
3/4" = 1'-0"



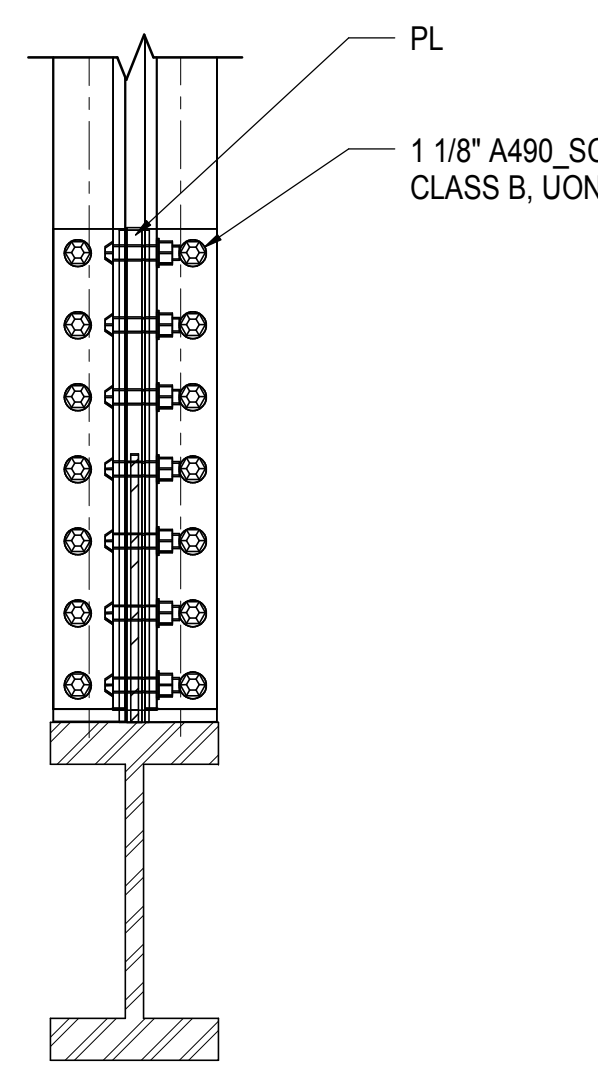
4 TEMPORARY TRUSS CHORD NODE AT HANGER
3/4" = 1'-0"



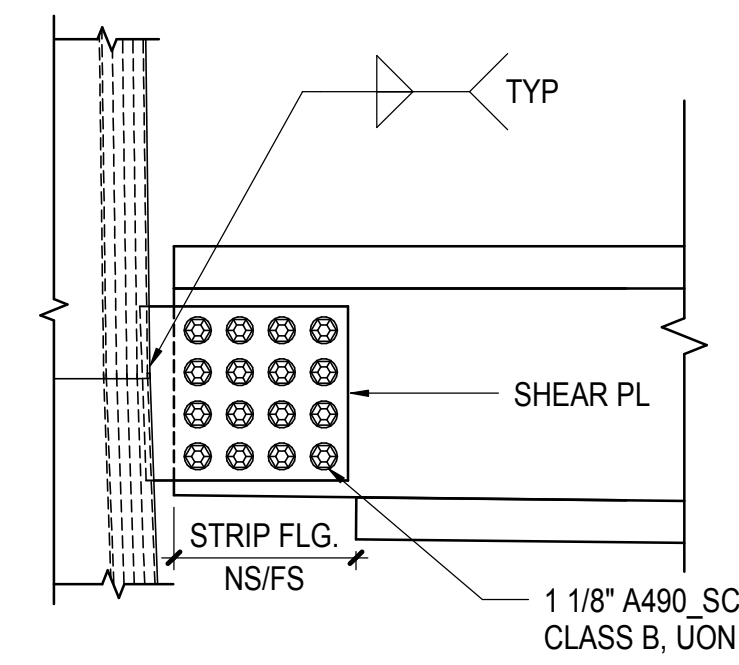
5 HANGER DETAIL AT TEMPORARY TRUSS
3/4" = 1'-0"



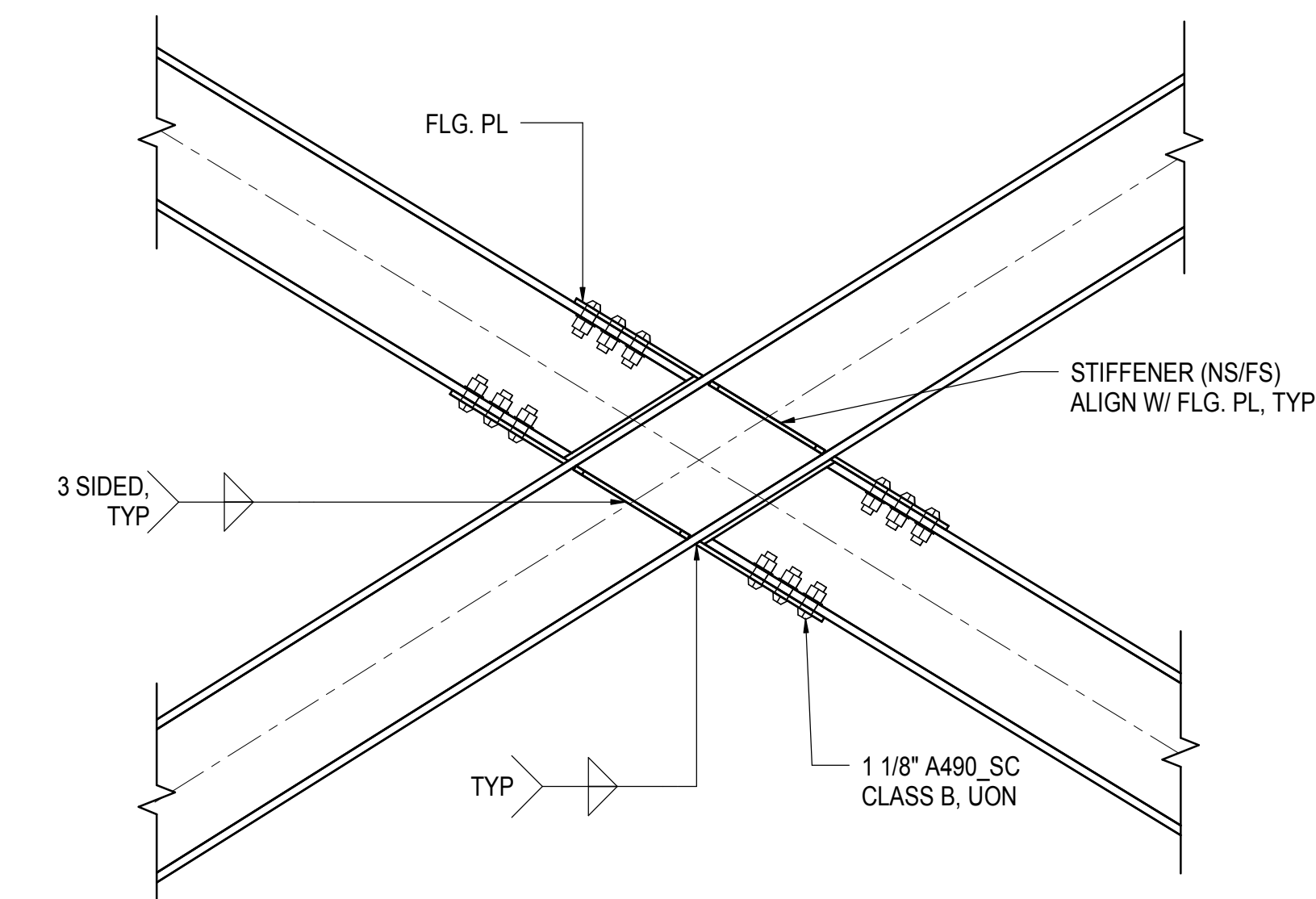
6 TEMPORARY TRUSS BOTTOM CHORD GUSSET DETAIL AT HANGER
3/4" = 1'-0"



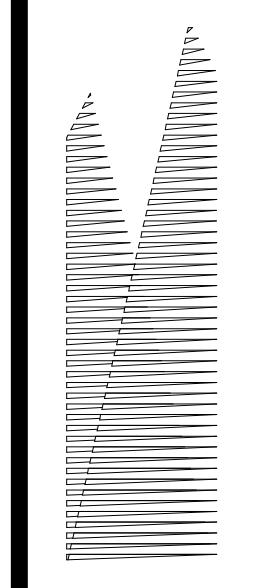
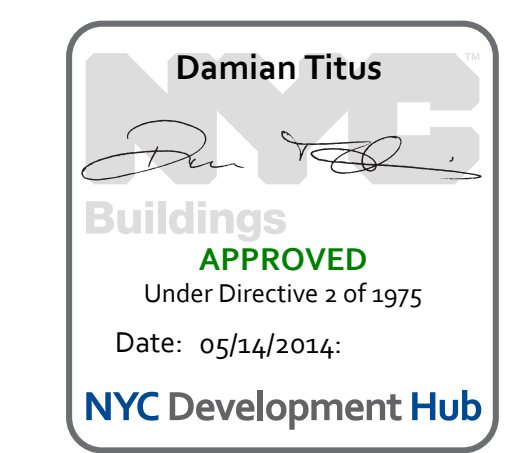
7 TEMPORARY TRUSS BOTTOM SECTION AT HANGER
3/4" = 1'-0"



8 BEAM END DETAIL AT TEMPORARY TRUSS BOTTOM CHORD
3/4" = 1'-0"



9 TEMPORARY X-BRACING DETAIL AT CENTER NODE
3/4" = 1'-0"



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

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Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

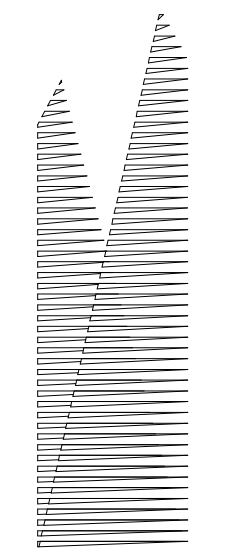
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. - PLATFORM SUBMISSION | |
| A. DRG PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. | 9/20/2013 |
| Rev | Rev |

Rev Plot

| | |
|--------------|-----------|
| Date | 08/09/13 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Issue Number | |

HYE - PL - S-433.00
TRUSS CONNECTION
DETAILS



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
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New York, NY 10022
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Construction Manager
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100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

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PC Architects & Planning Consultants
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Tel: 212.977.6500 Fax: 212.956.2526

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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Model PLATFORM SUBMISSION | |
| A. DE-01 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. DE-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| Rev | Description |

Rev Plot

Date: 08/09/13
Project No: N11330.00
Drawn By: Author
Check Number: 2004

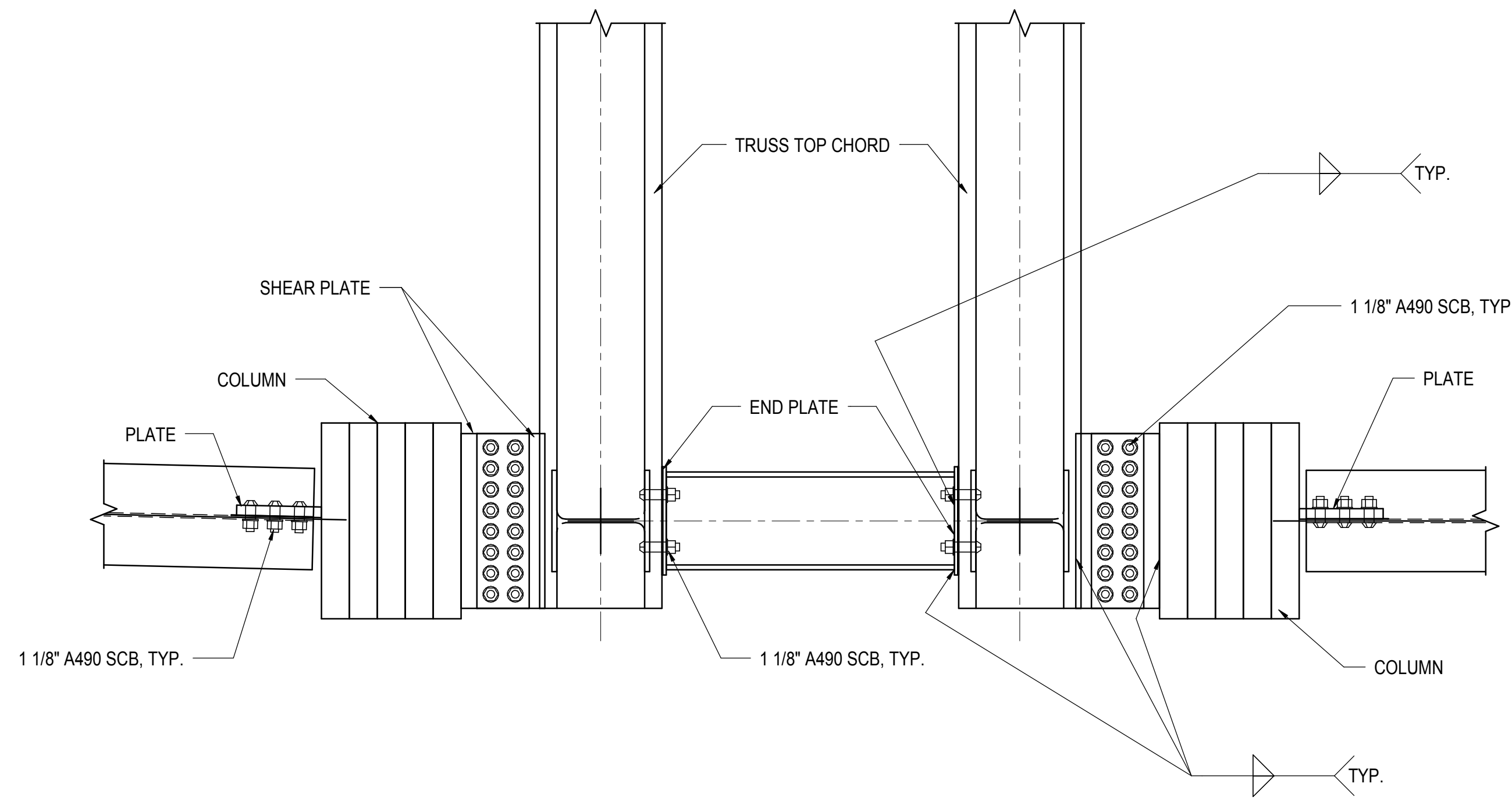
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TRUSS CONNECTION DETAILS

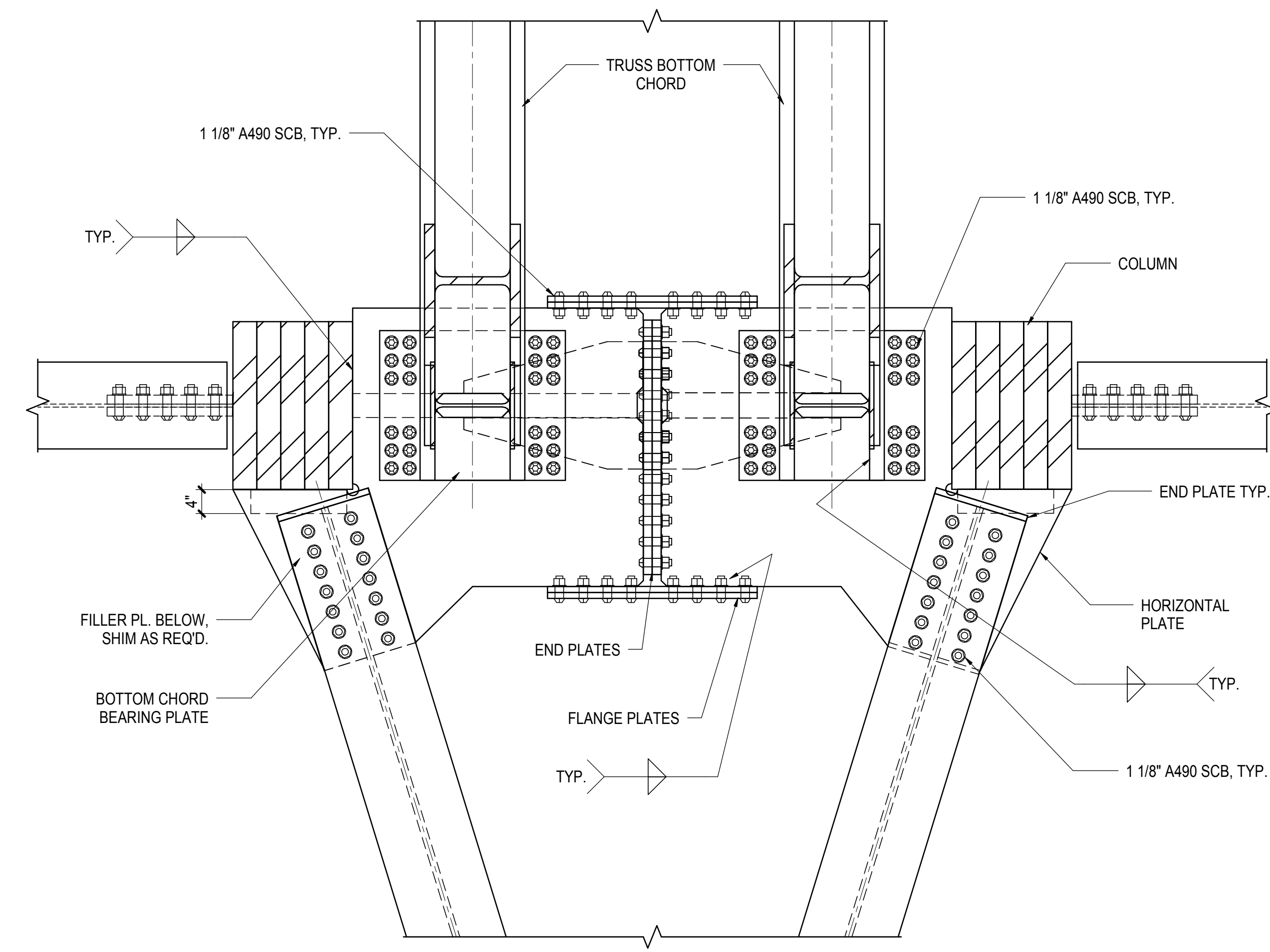
Drawing Number / Revision Drawing Number

S-434.00

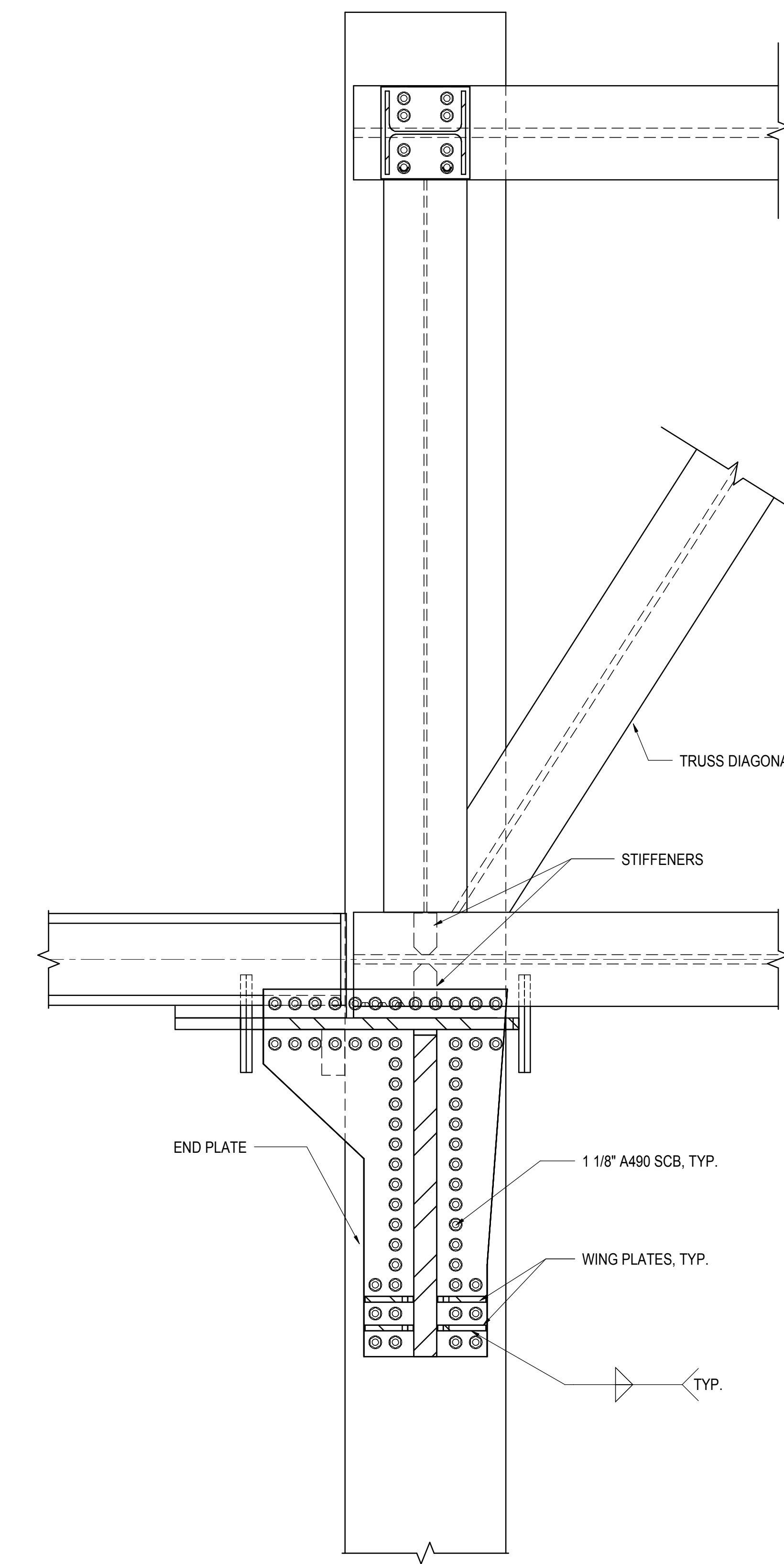
SHEET 133 OF 201



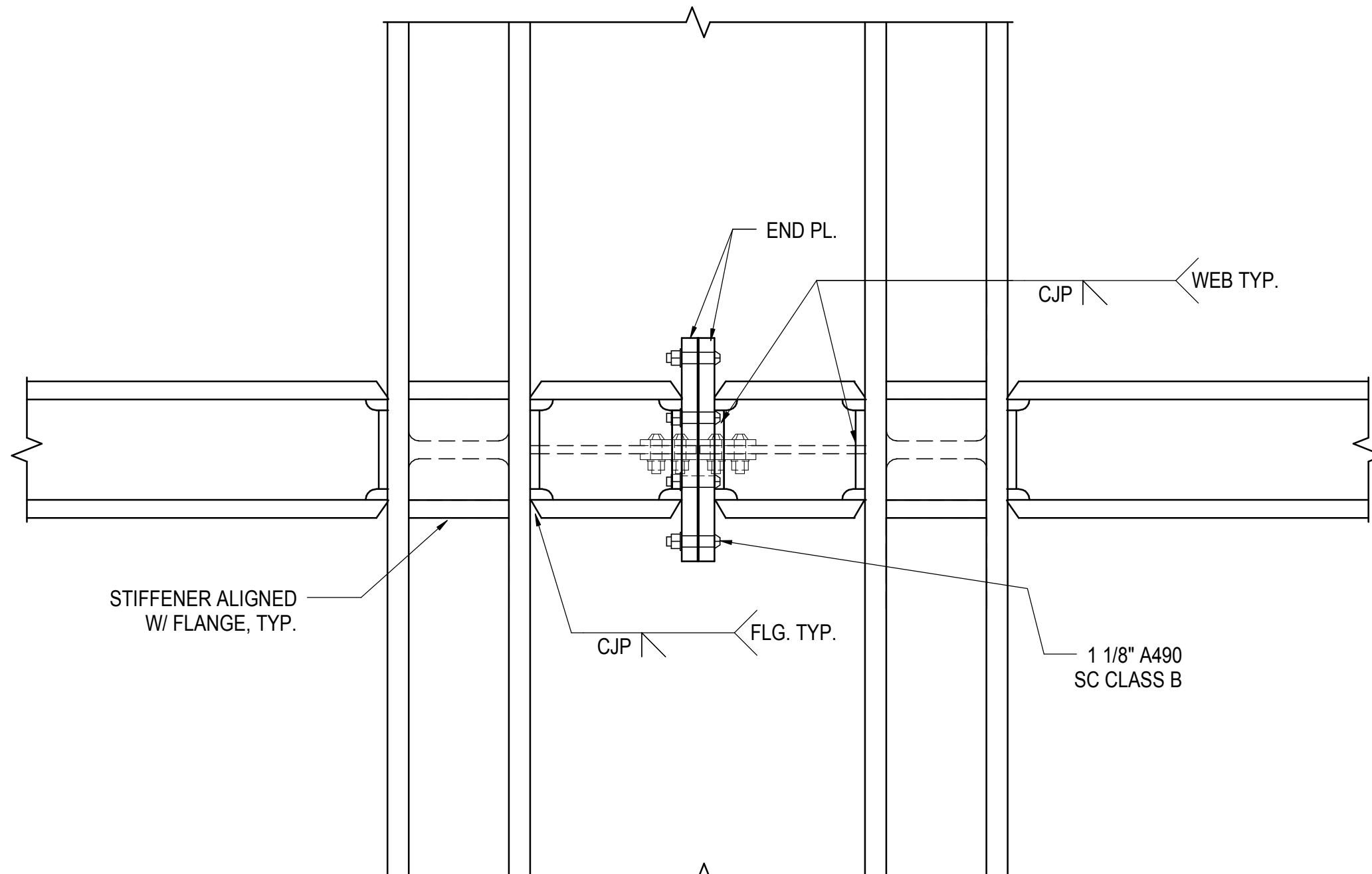
1 TOP CHORD DOUBLE TRUSS THRU FORCE DETAIL
3/4" = 1'-0"



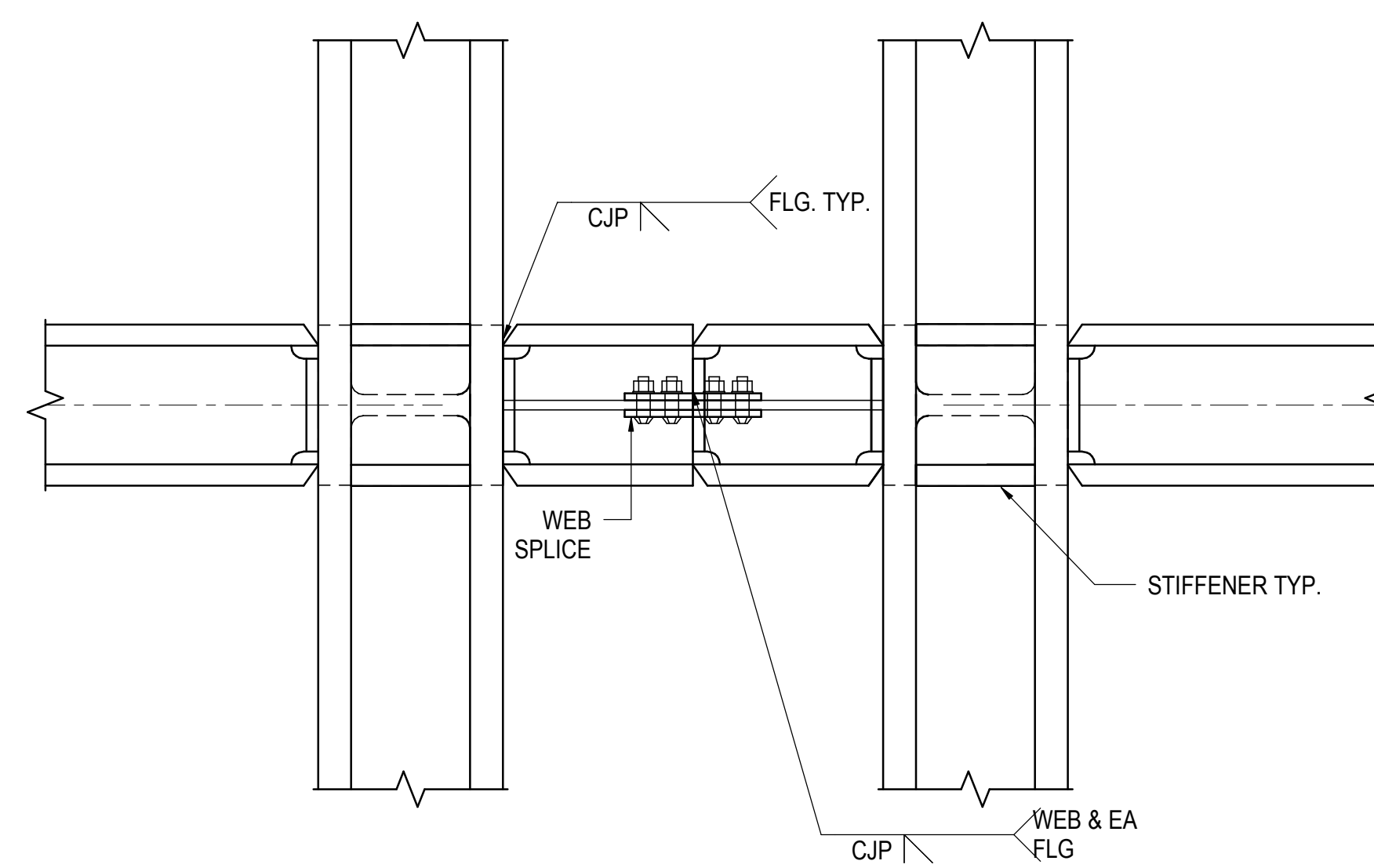
2 BOTTOM CHORD DOUBLE TRUSS THRU FORCE DETAIL
3/4" = 1'-0"



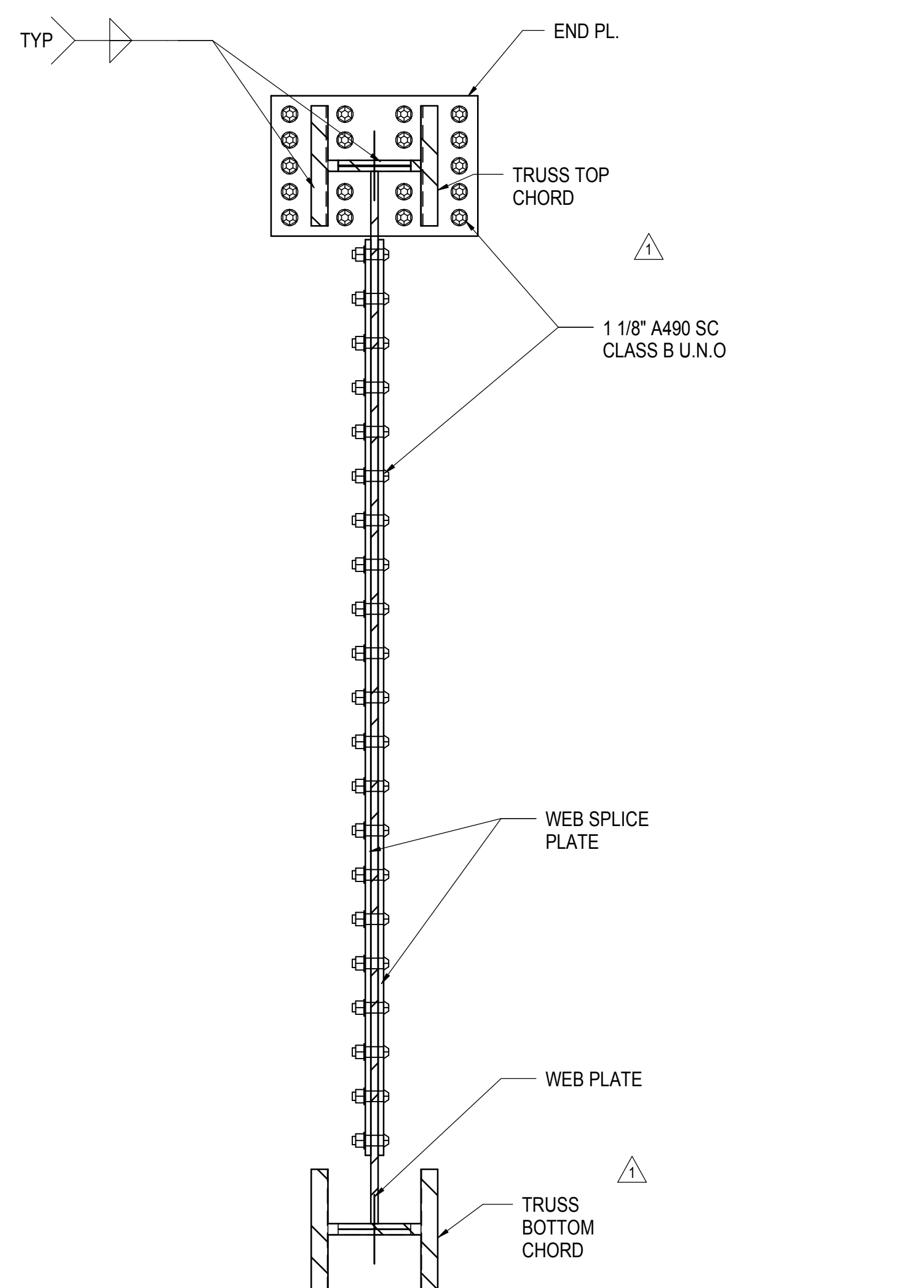
3 SECTION AT BOTTOM CHORD DOUBLE TRUSS THRU FORCE
3/4" = 1'-0"



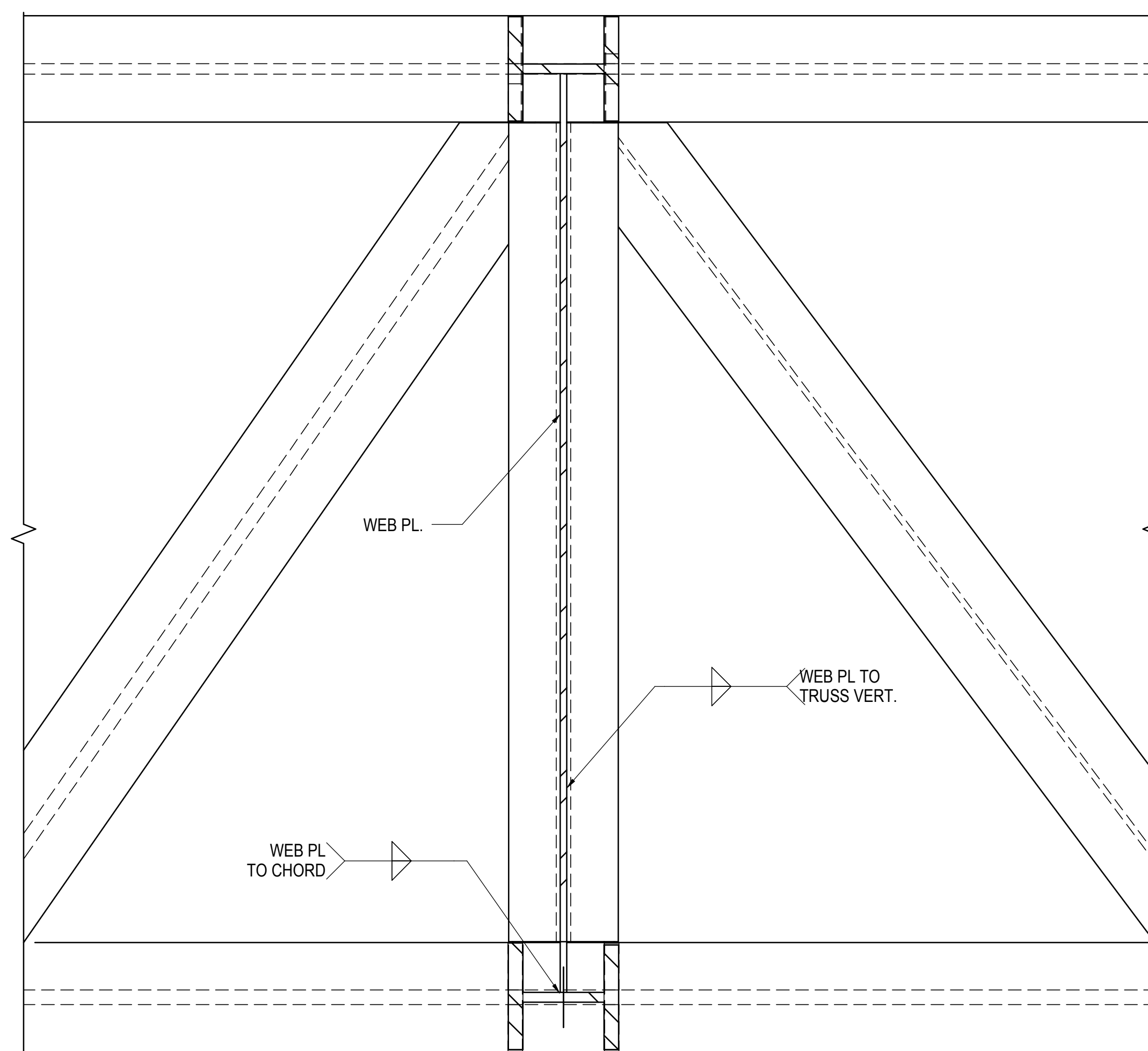
4 DETAIL AT DOUBLE TRUSS TOP CHORD PANEL SPLICE
3/4" = 1'-0"



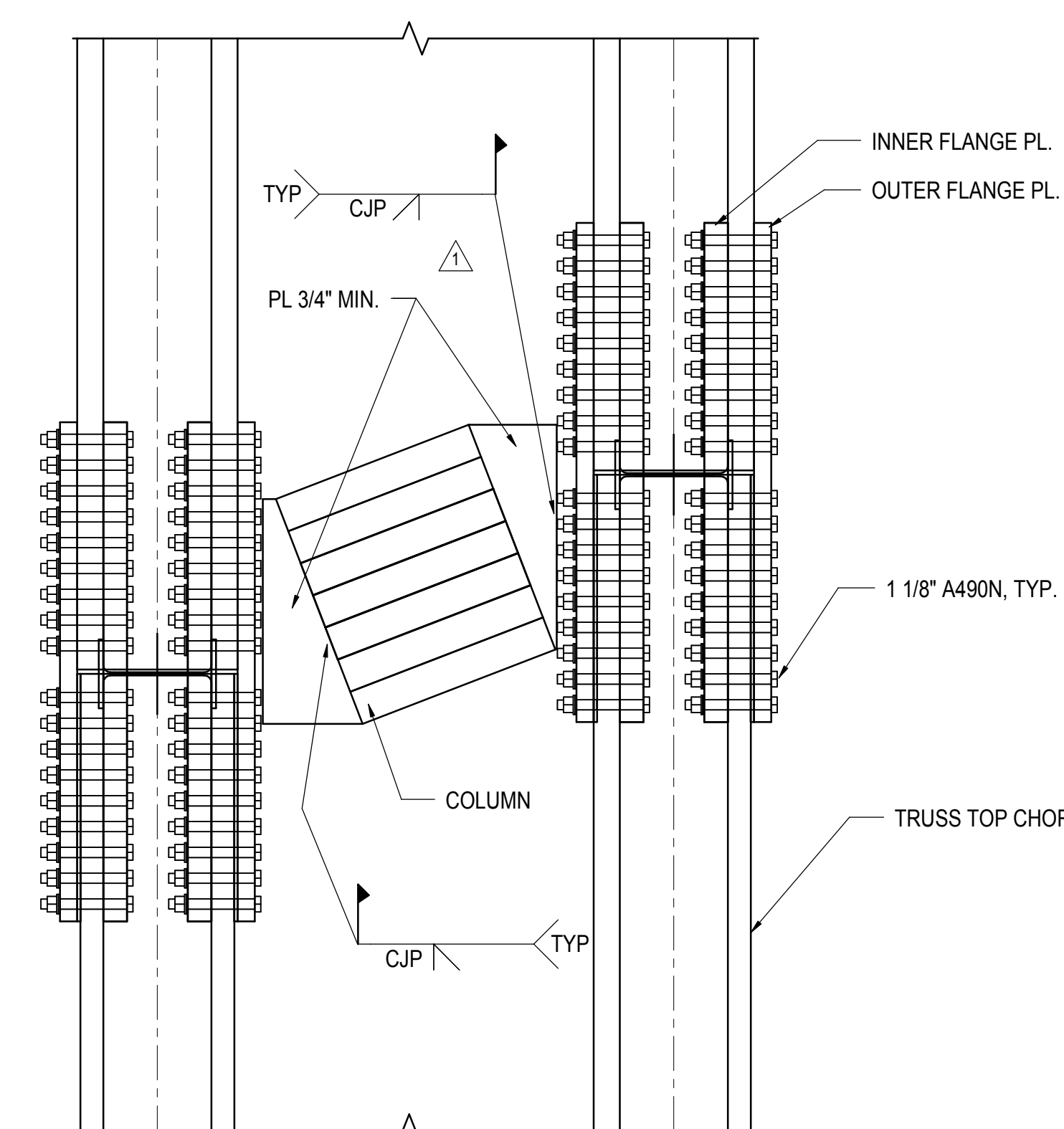
6 DETAIL AT DOUBLE TRUSS TOP CHORD PANEL SPLICE
3/4" = 1'-0"



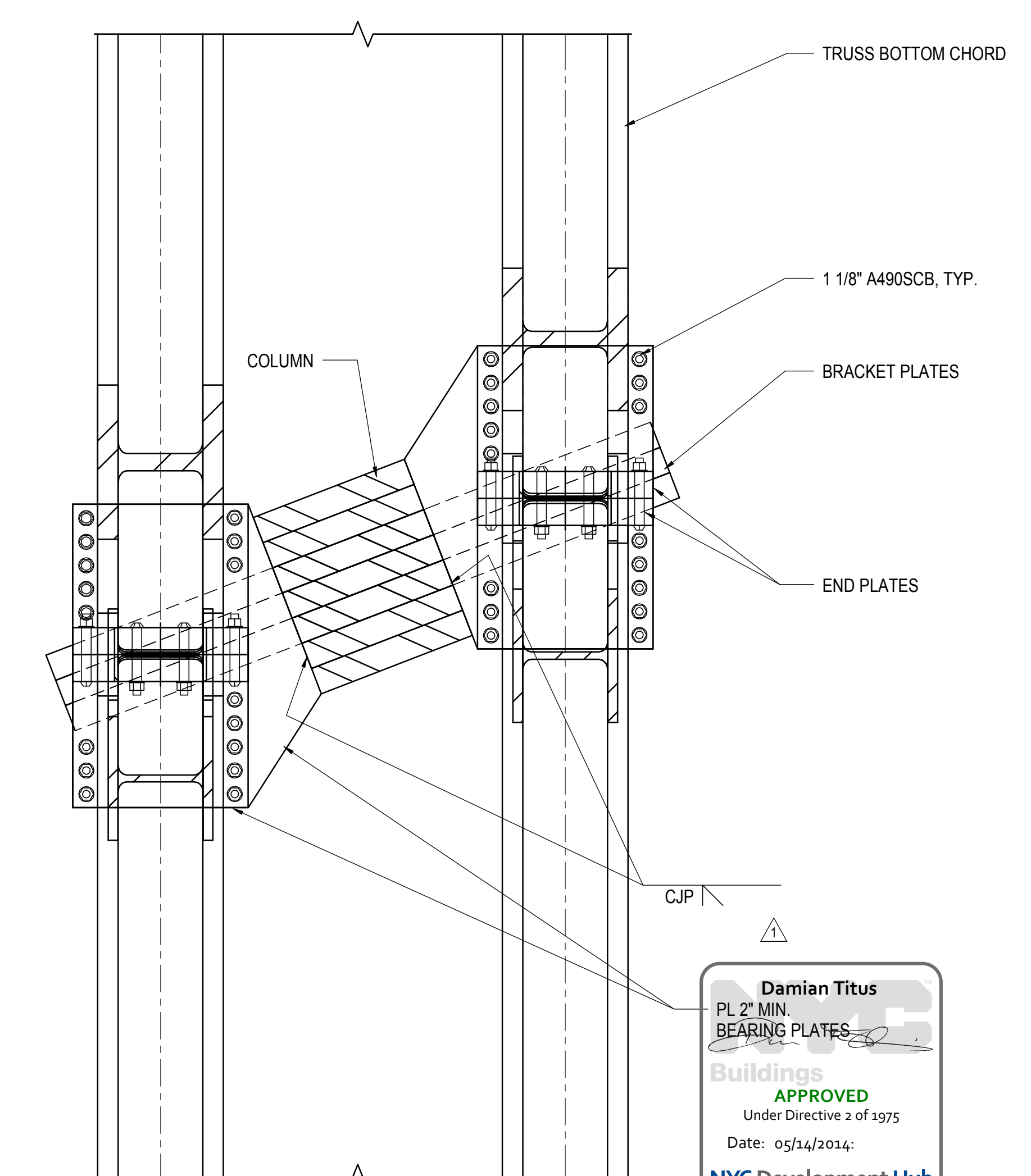
5 DETAIL AT DOUBLE TRUSS WEB PLATE BOLTED SPLICE
3/4" = 1'-0"



7 WELD DETAIL AT WEB PLATE TO POST
3/4" = 1'-0"



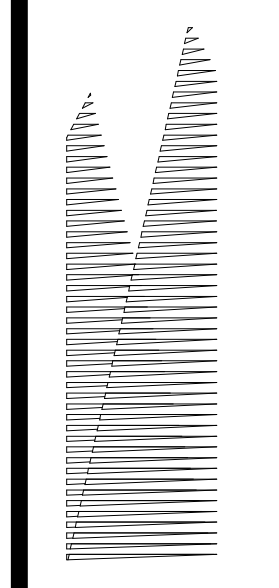
8 SECTION AT DOUBLE TRUSS TOP CHORD OVER BOX COLUMN
3/4" = 1'-0"



9 SECTION AT DOUBLE TRUSS BOTTOM CHORD OVER BOX COLUMN
3/4" = 1'-0"

Damian Titus
PL 2' MIN.
BEARING PLATES
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub





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60 Columbus Circle
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New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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Tel: 212.708.3600

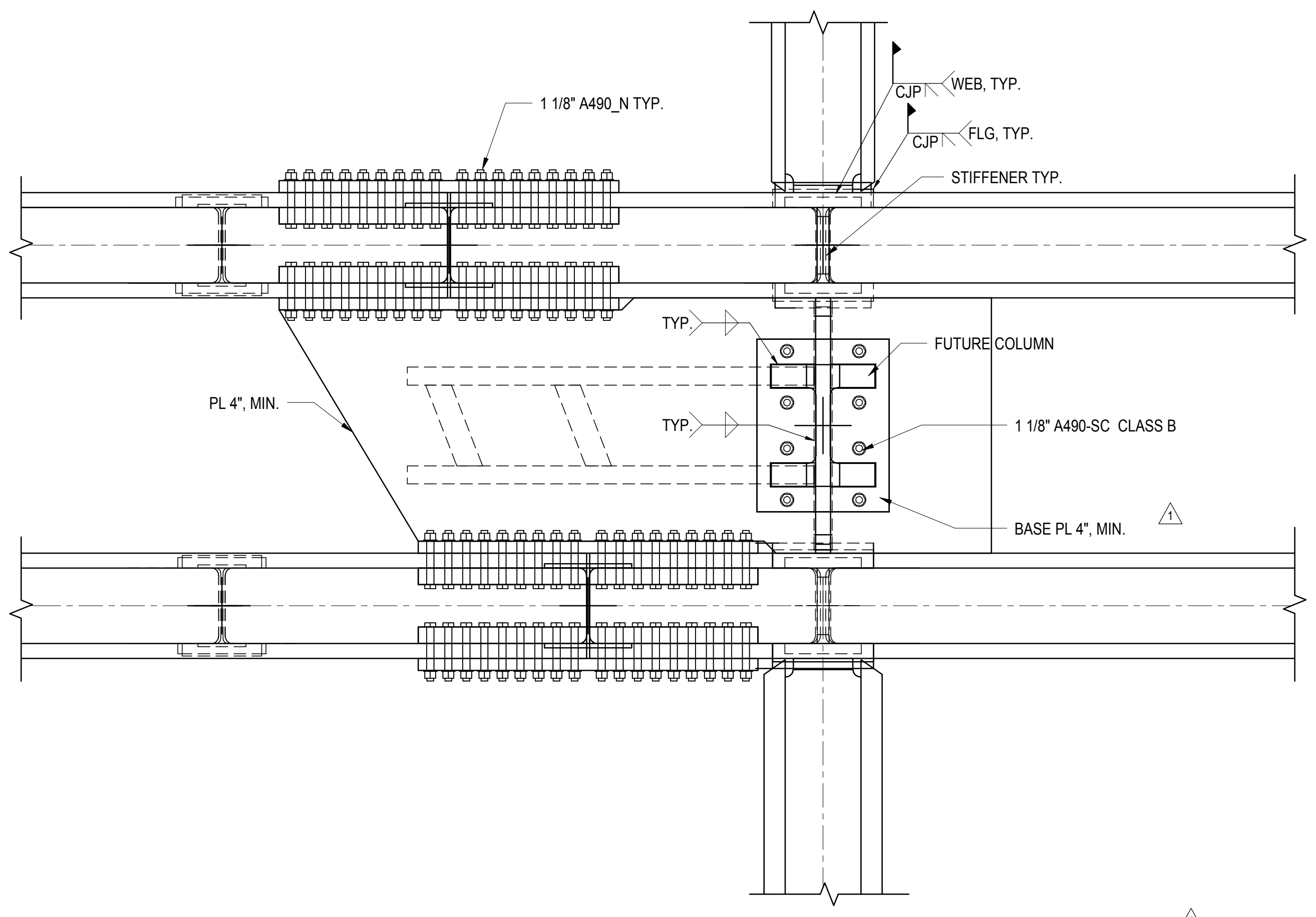
Architect
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PC Architects & Planning Consultants
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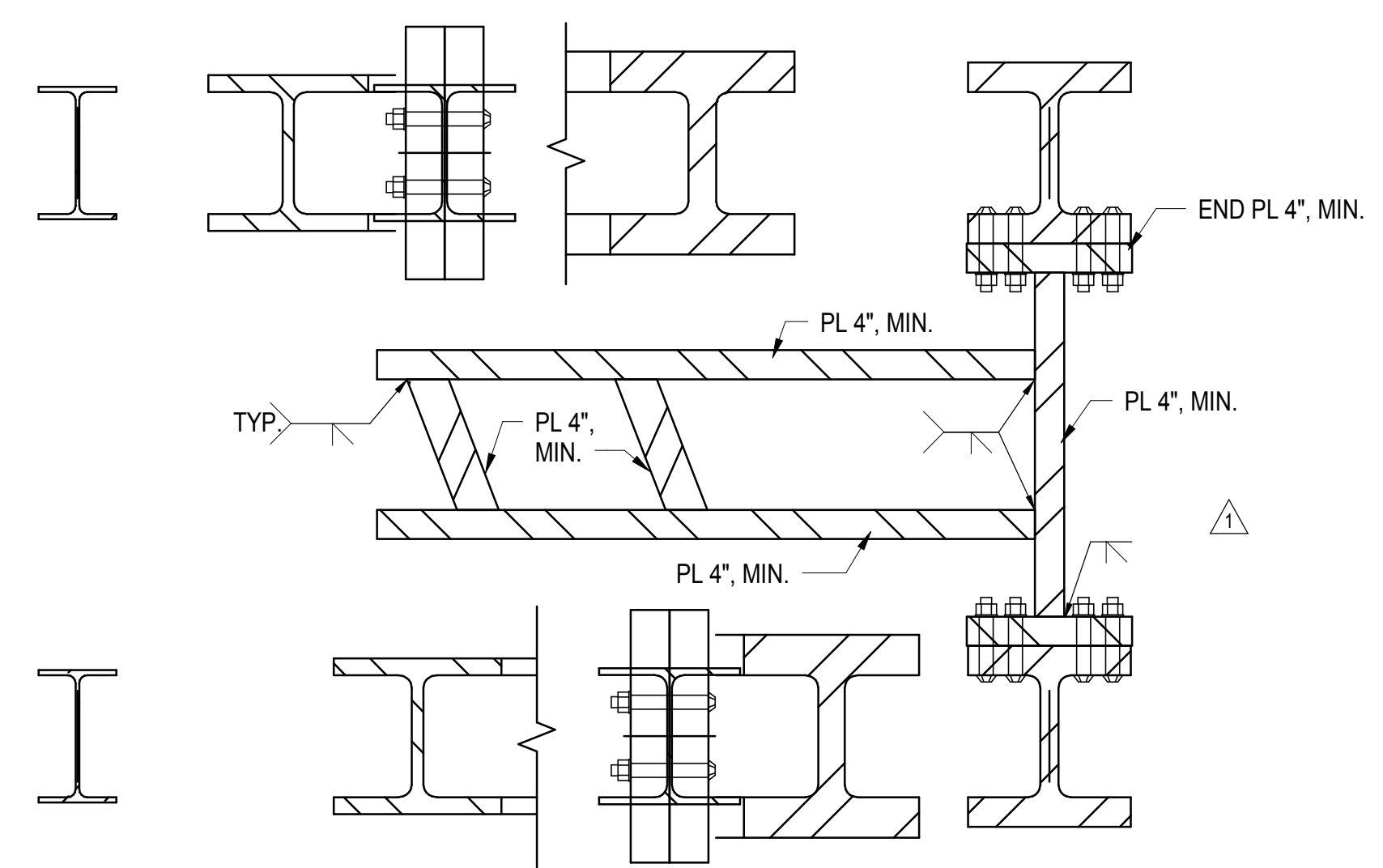
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Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

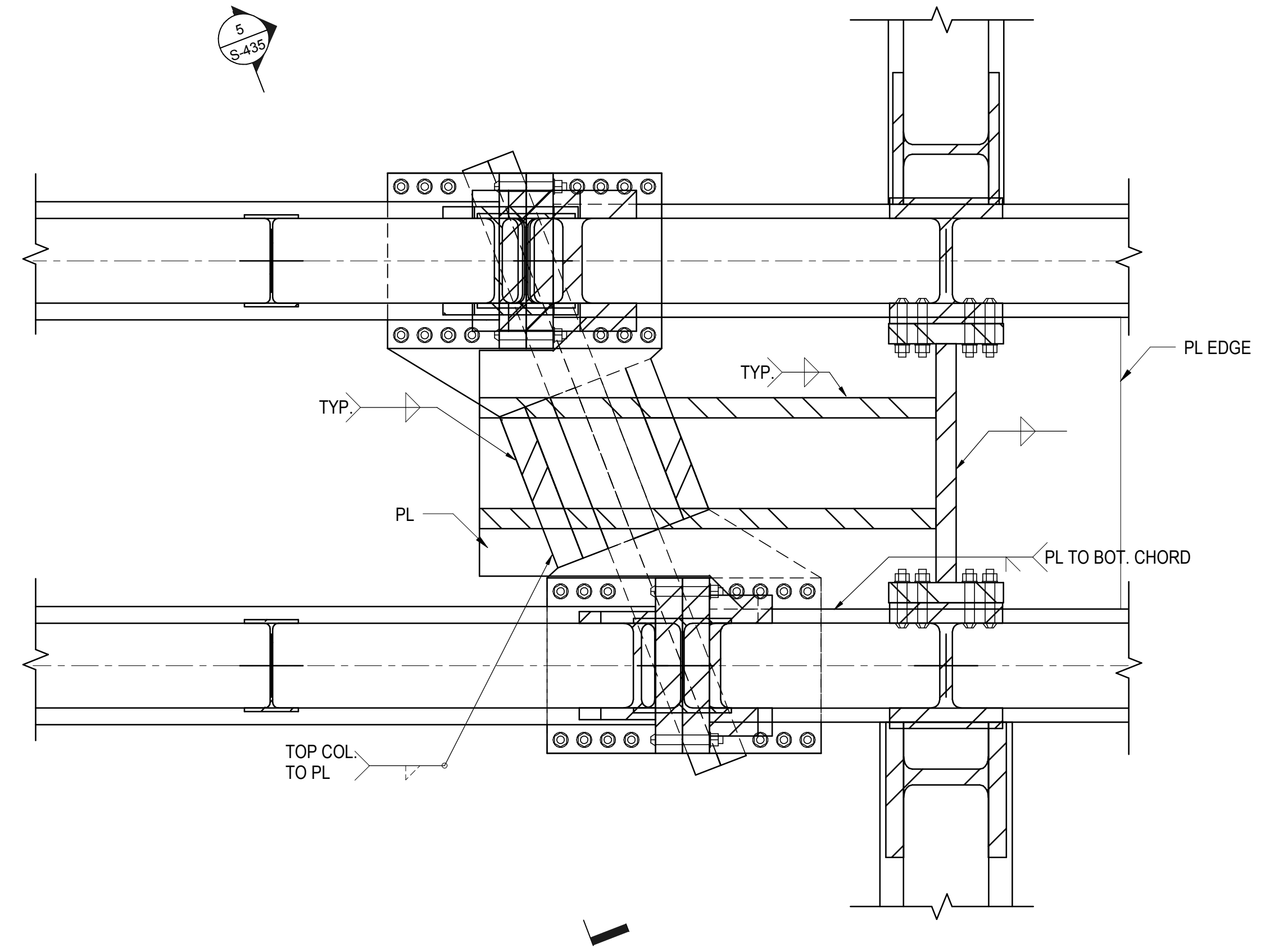
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



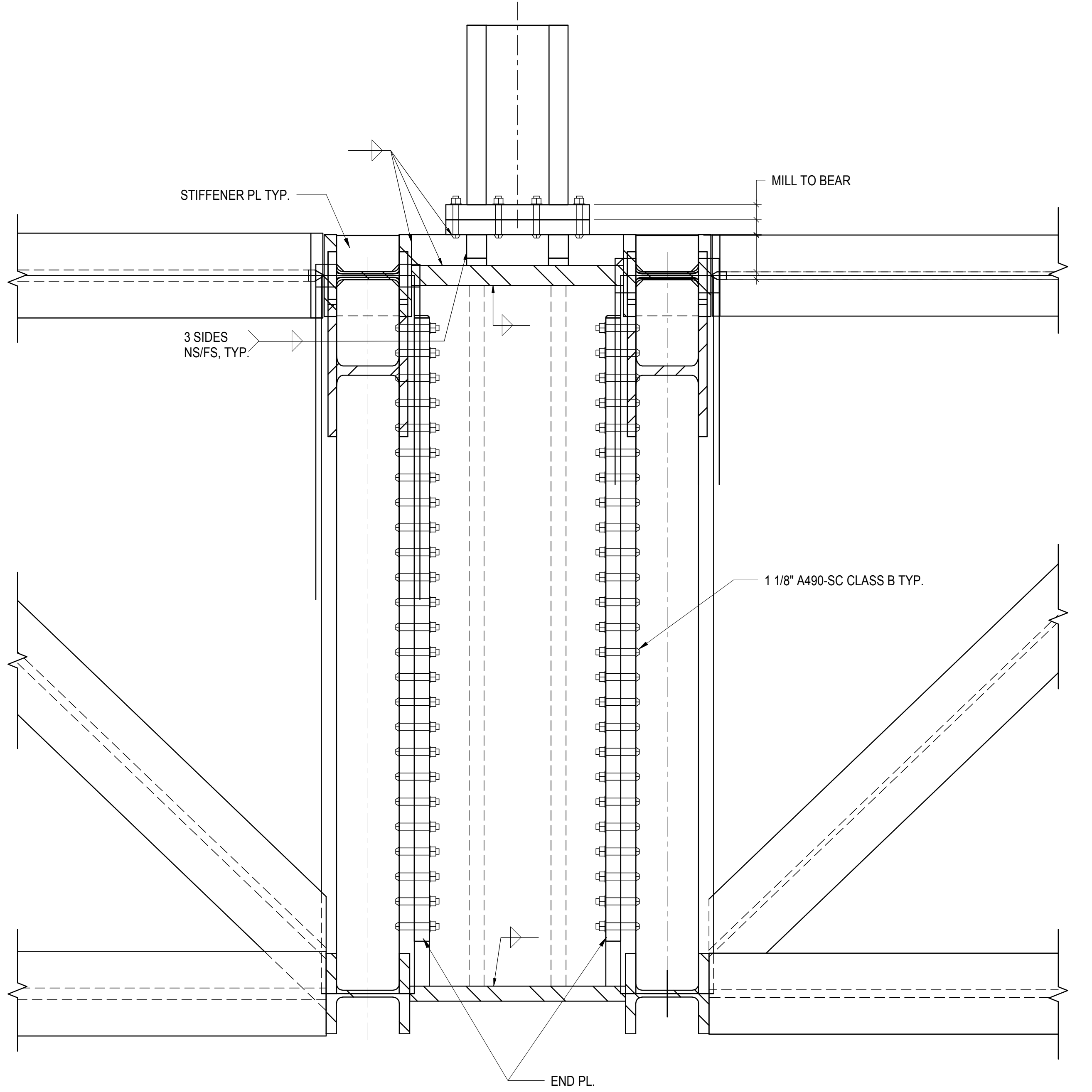
1 TOP CHORD SECTION AT COLUMN ABOVE TRUSS LOCATION (GRIDLINE D/10 & AA/10)
3/4" = 1'-0"



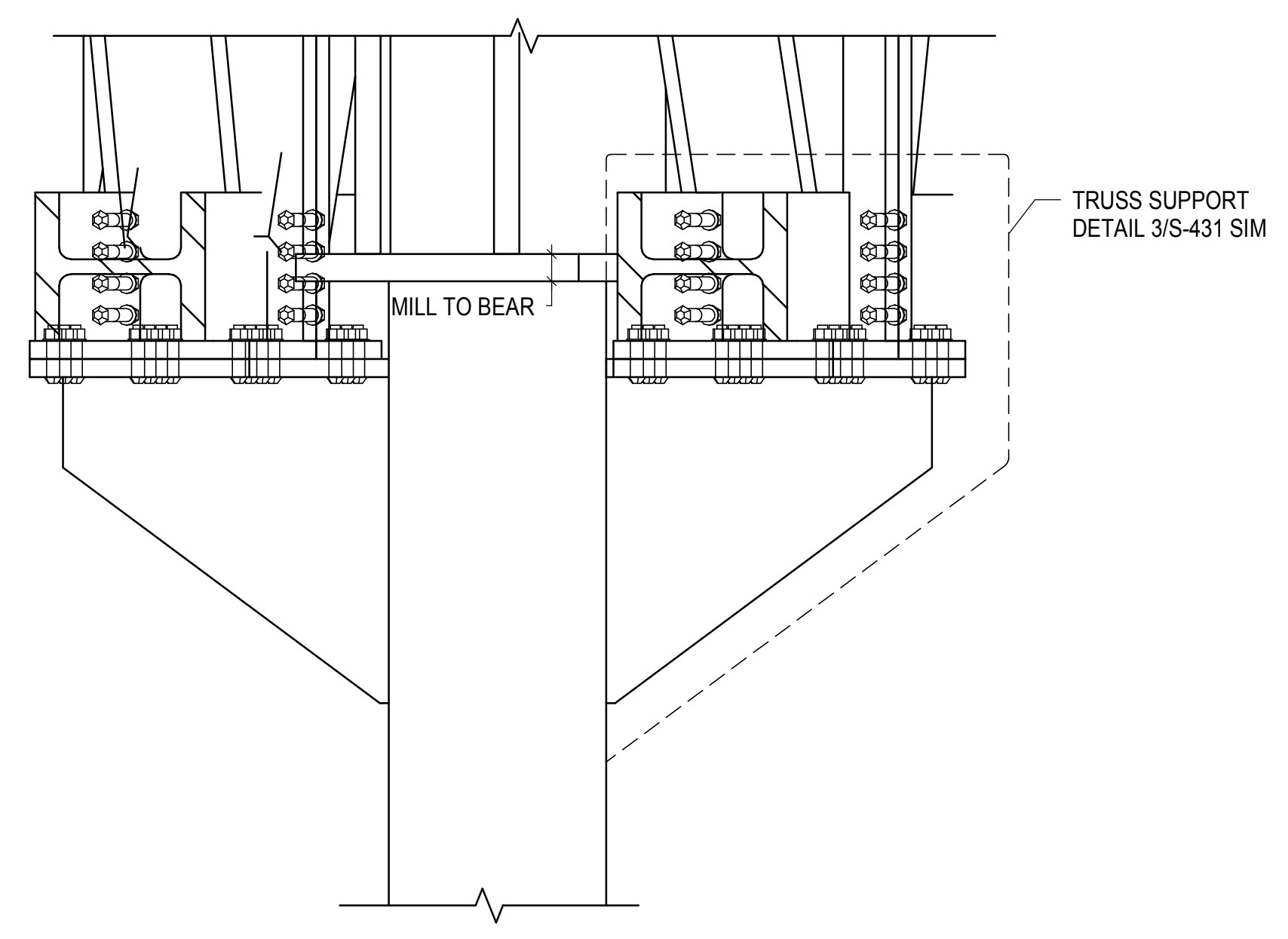
3 SECTION THRU DOUBLE TRUSS AT COLUMN ABOVE LOCATION (GRIDLINE D/10 & AA/10)
3/4" = 1'-0"



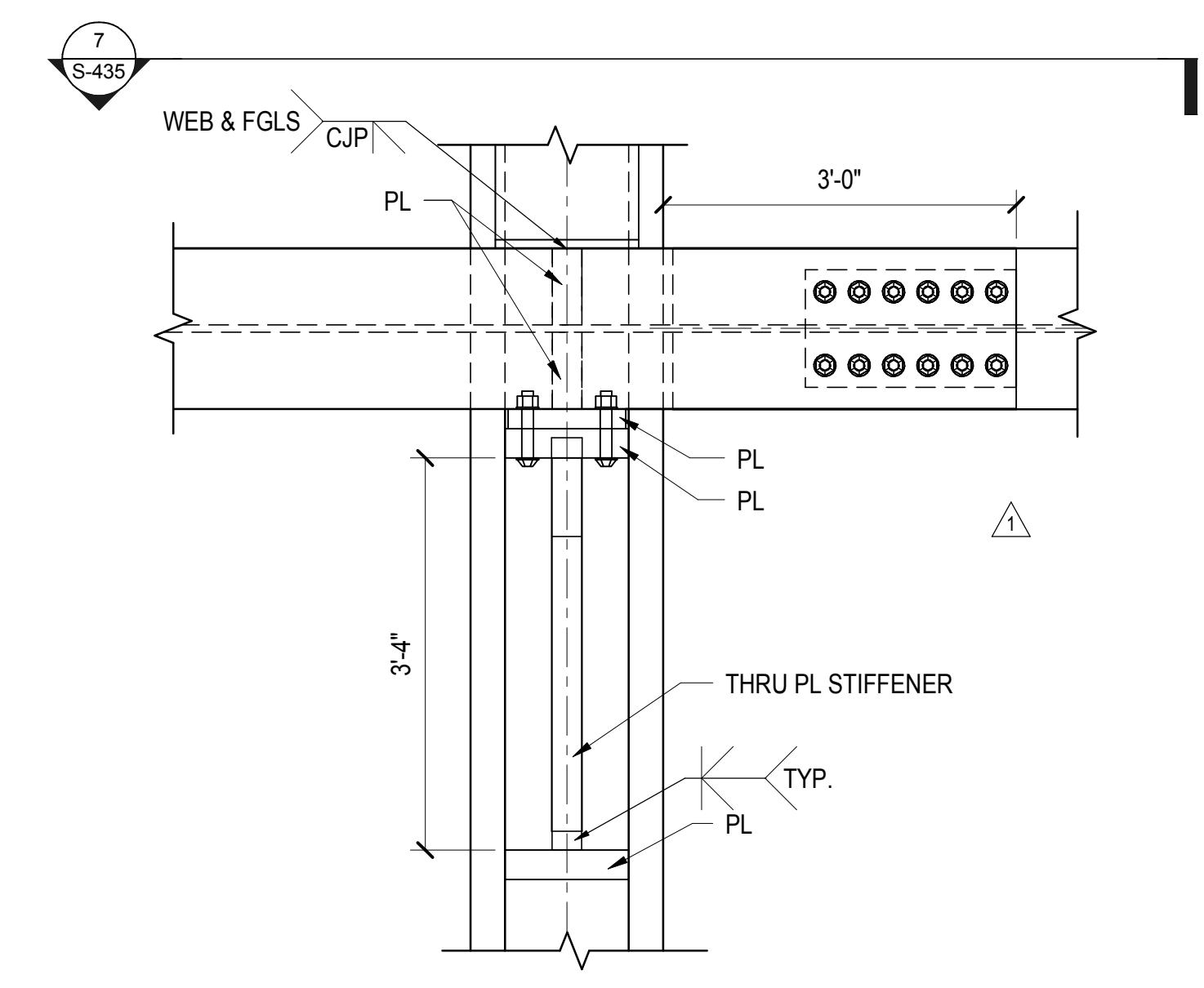
4 BOTTOM CHORD SECTION AT COLUMN ABOVE TRUSS LOCATION (GRIDLINE D/10 & AA/10)
3/4" = 1'-0"



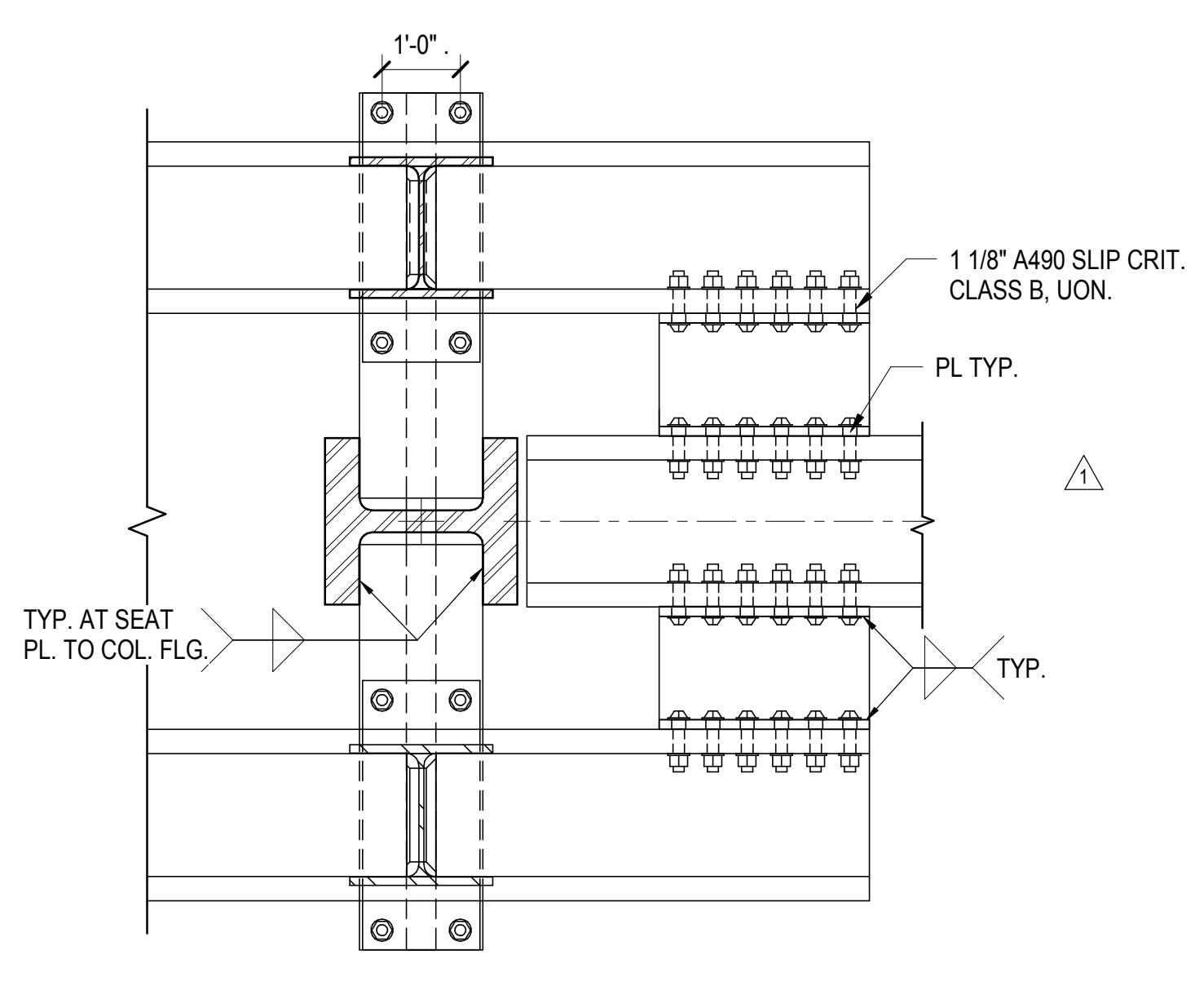
5 SECTION AT DOUBLE TRUSS VERTICAL AT COLUMN ABOVE
3/4" = 1'-0"



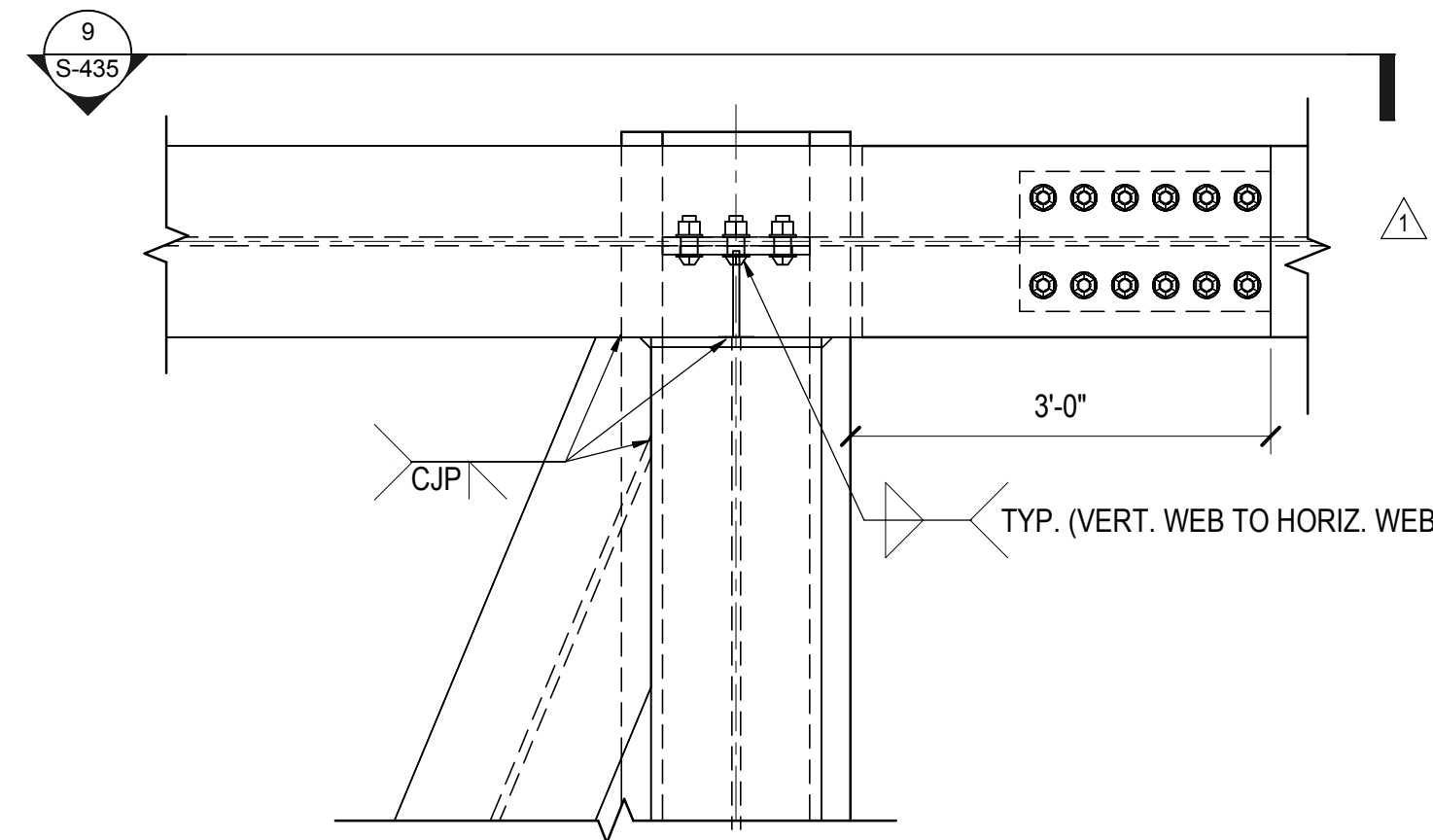
6 DOUBLE TRUSS SUPPORT WING PLATES AT BOX COLUMN
3/4" = 1'-0"



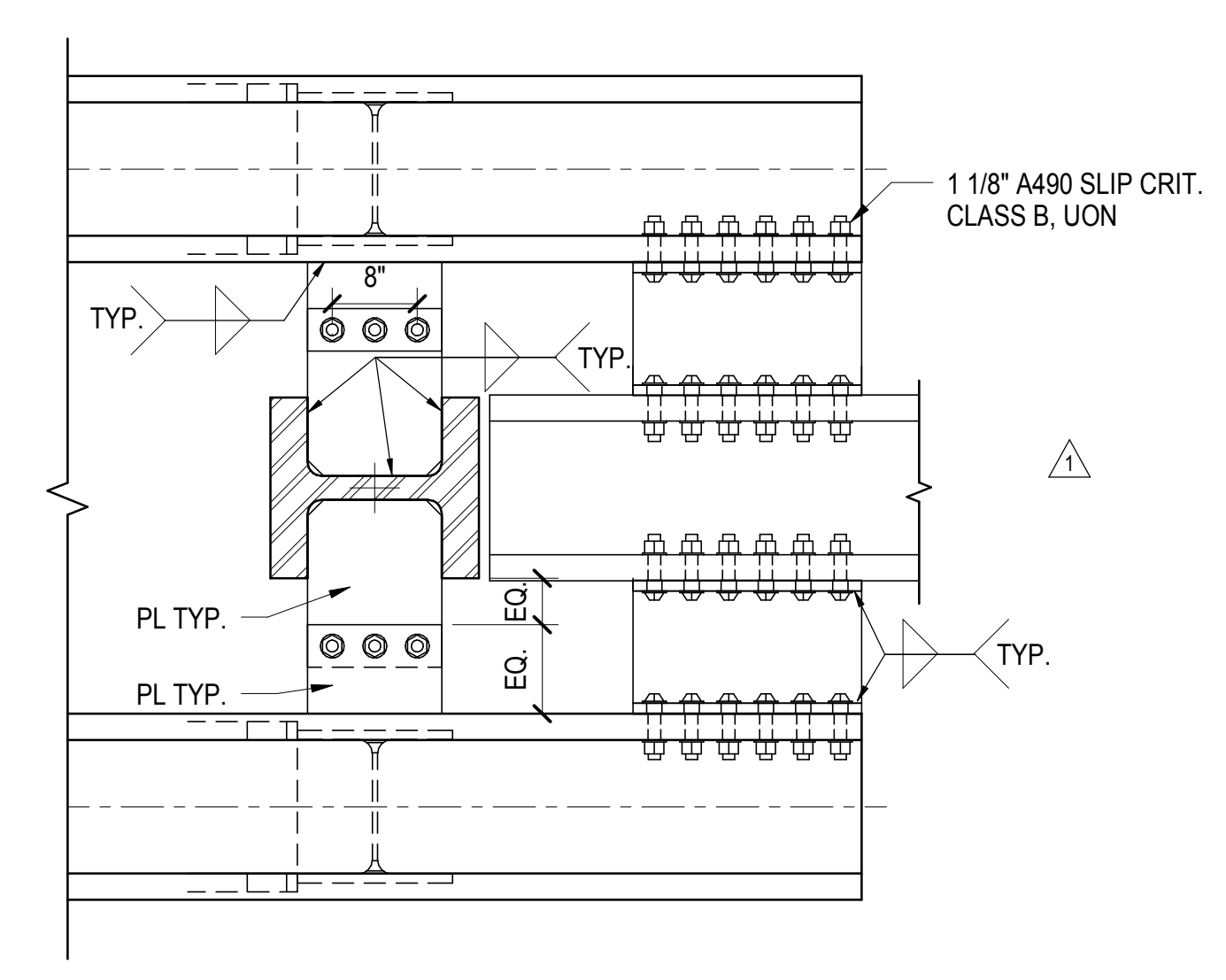
7 DOUBLE TRUSS BOTTOM CHORD NODE TRANSFER BEAM
3/4" = 1'-0"



8 SECTION AT DOUBLE TRUSS BOTTOM CHORD NODE TRANSFER BEAM
3/4" = 1'-0"



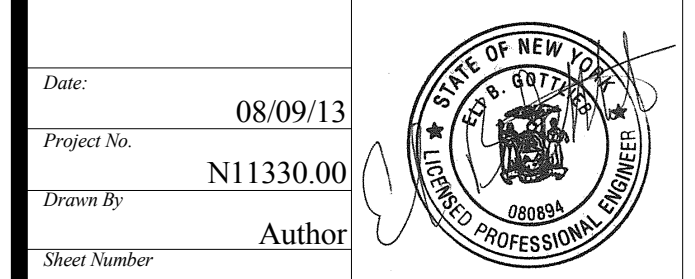
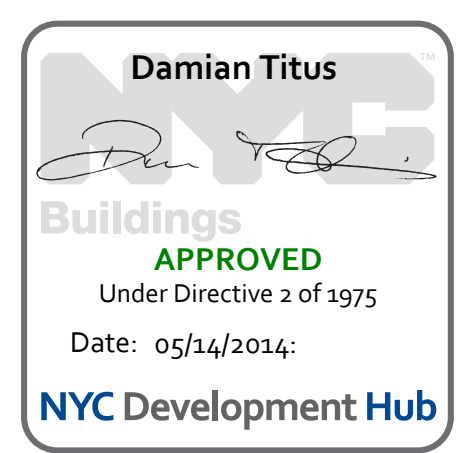
9 DOUBLE TRUSS TOP CHORD NOED TRANSFER BEAM
3/4" = 1'-0"



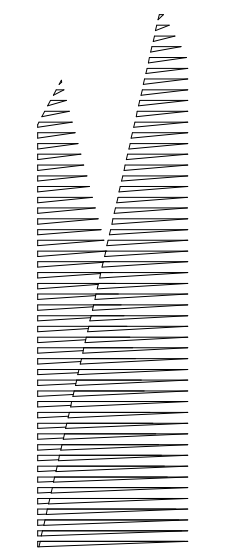
10 SECTION AT DOUBLE TRUSS TOP CHORD TRANSFER BEAM CONNECTION
3/4" = 1'-0"

| | |
|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. - PL PLATFORM SUBMISSION | |
| A. DE-0 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. DE-0 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| Rev | Description |

Rev Plot



HYE - PL - S-435.00
TRUSS CONNECTION
DETAILS



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

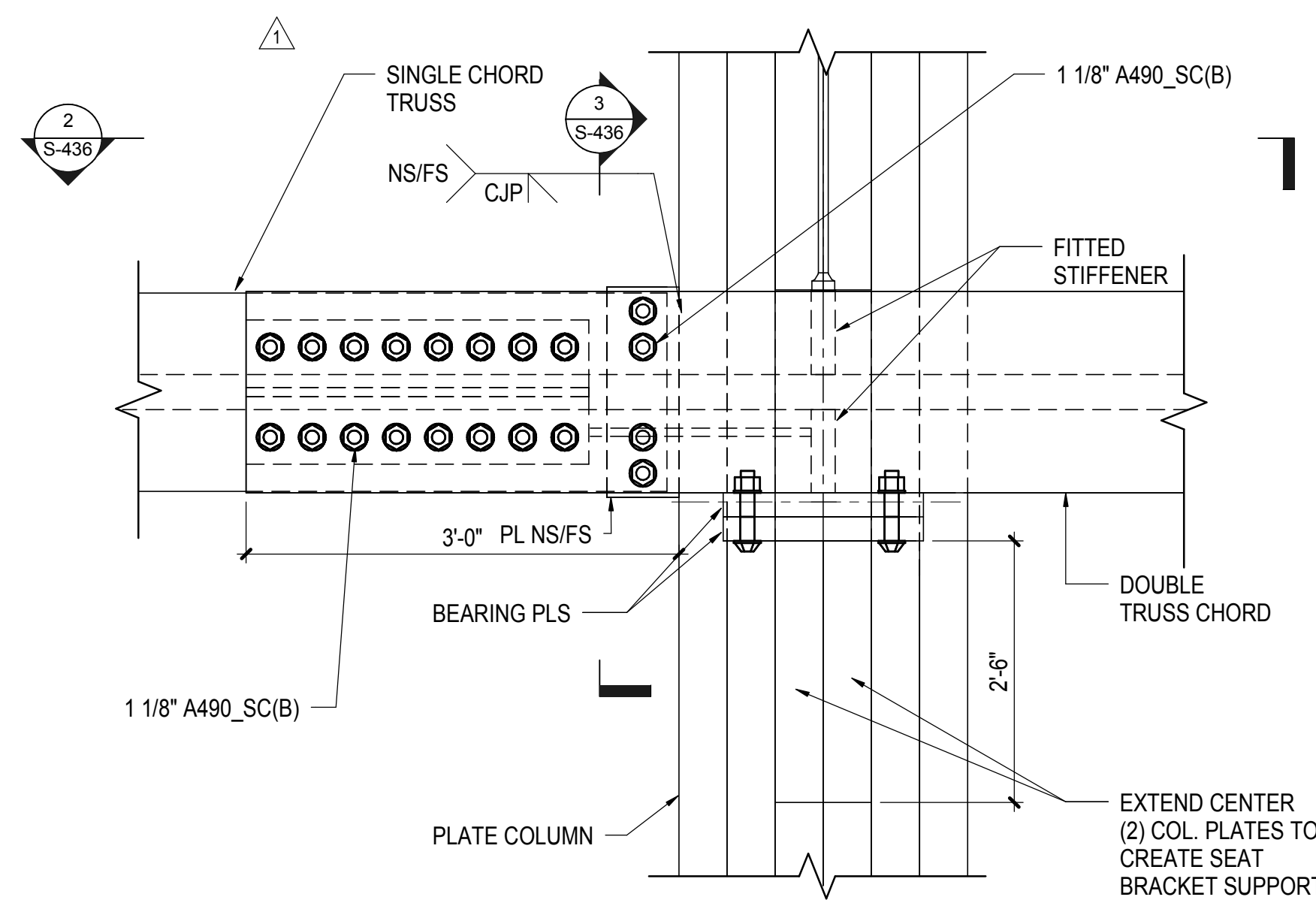
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

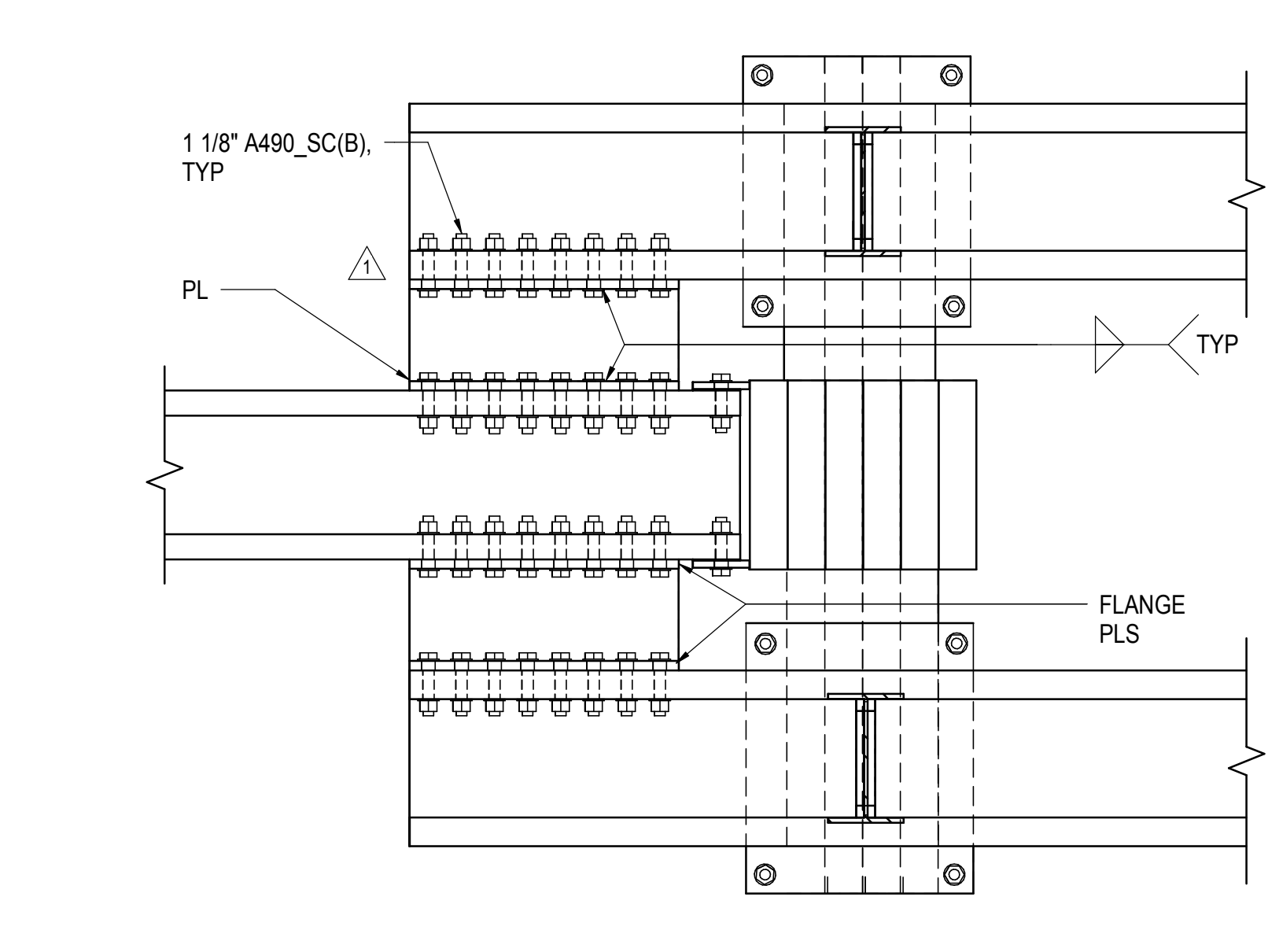
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Substation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

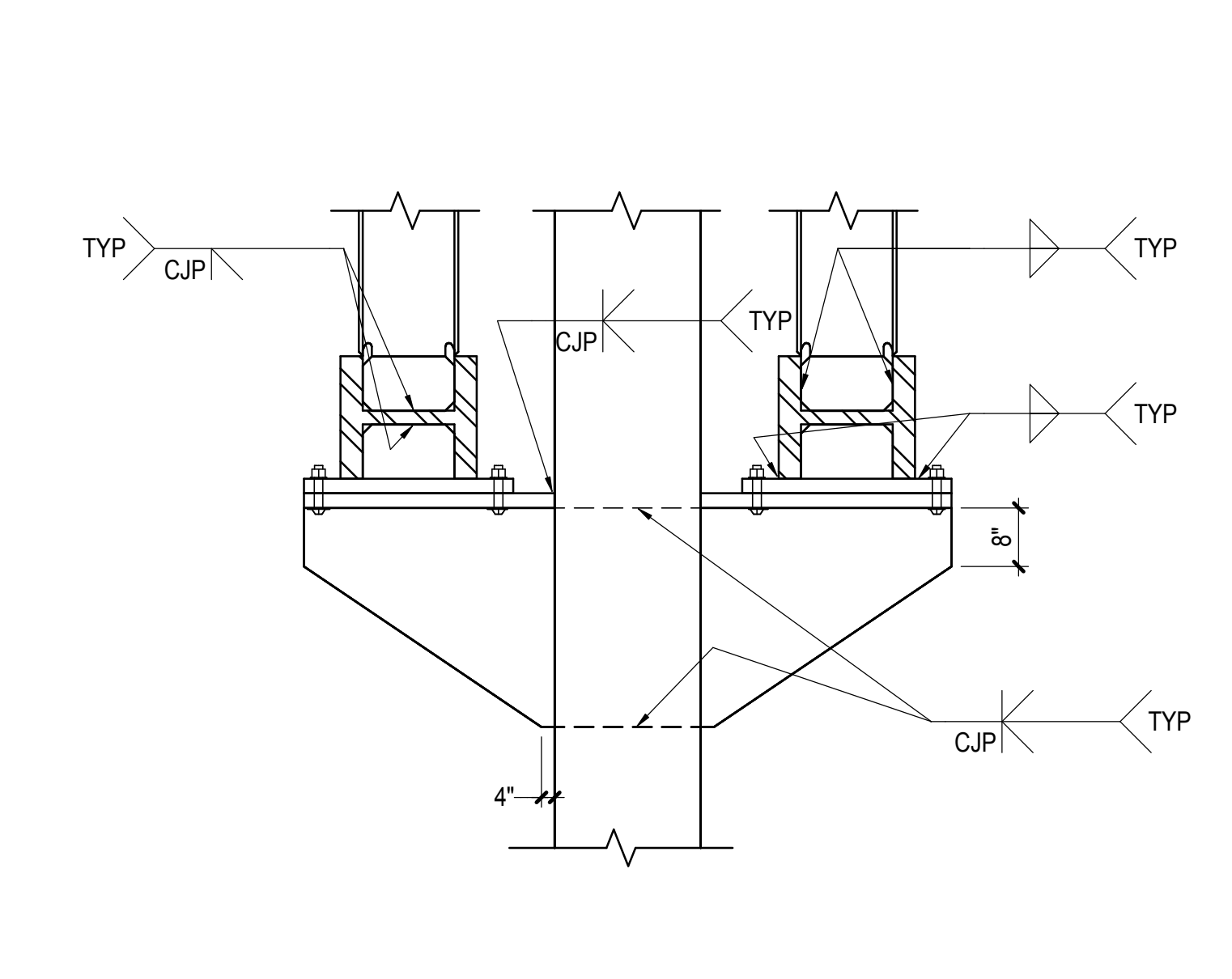
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



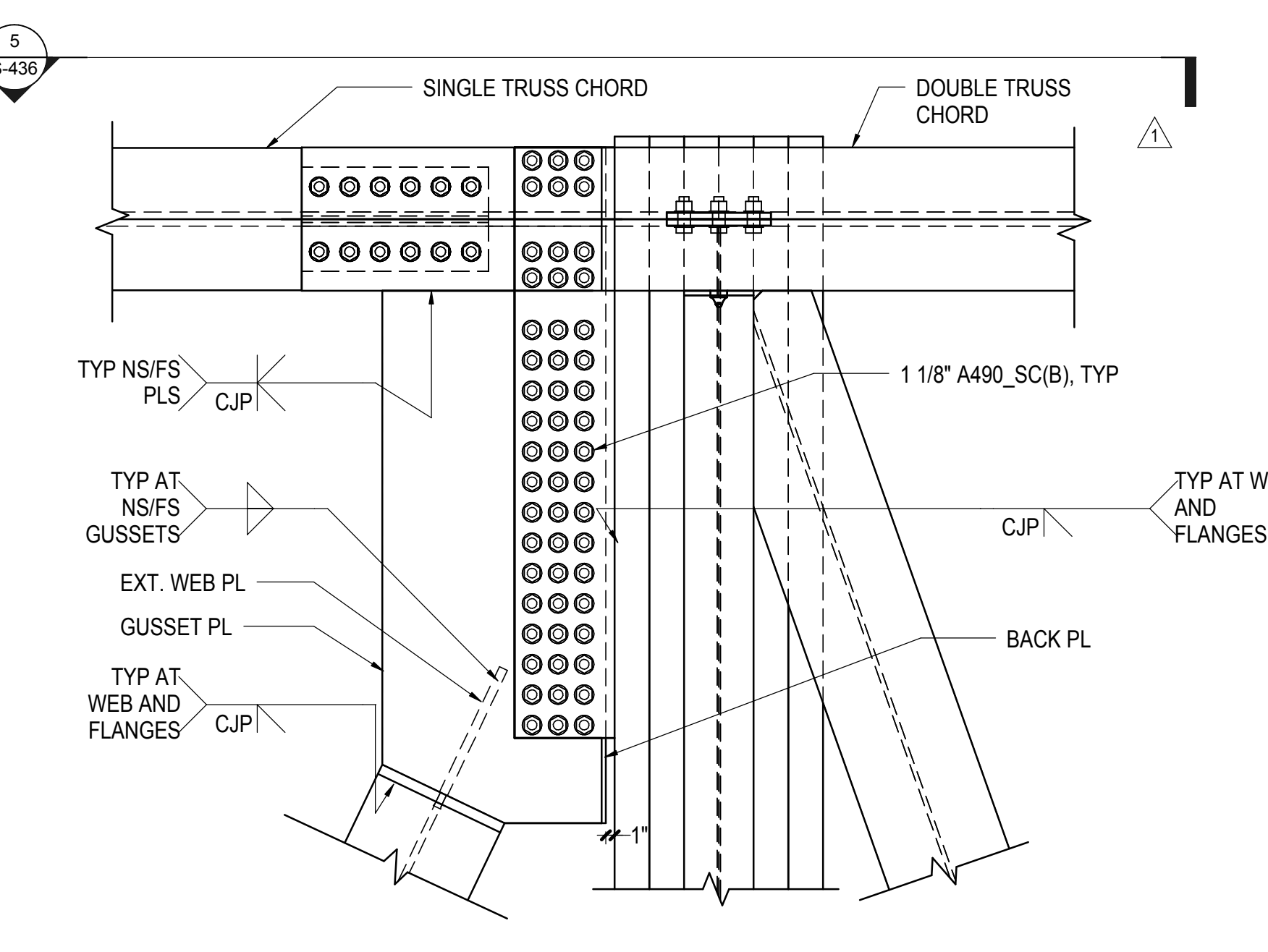
1 BOTTOM CHORD TRUSS DETAIL AT CONNECTION TO BOX COLUMN
1" = 1'-0"



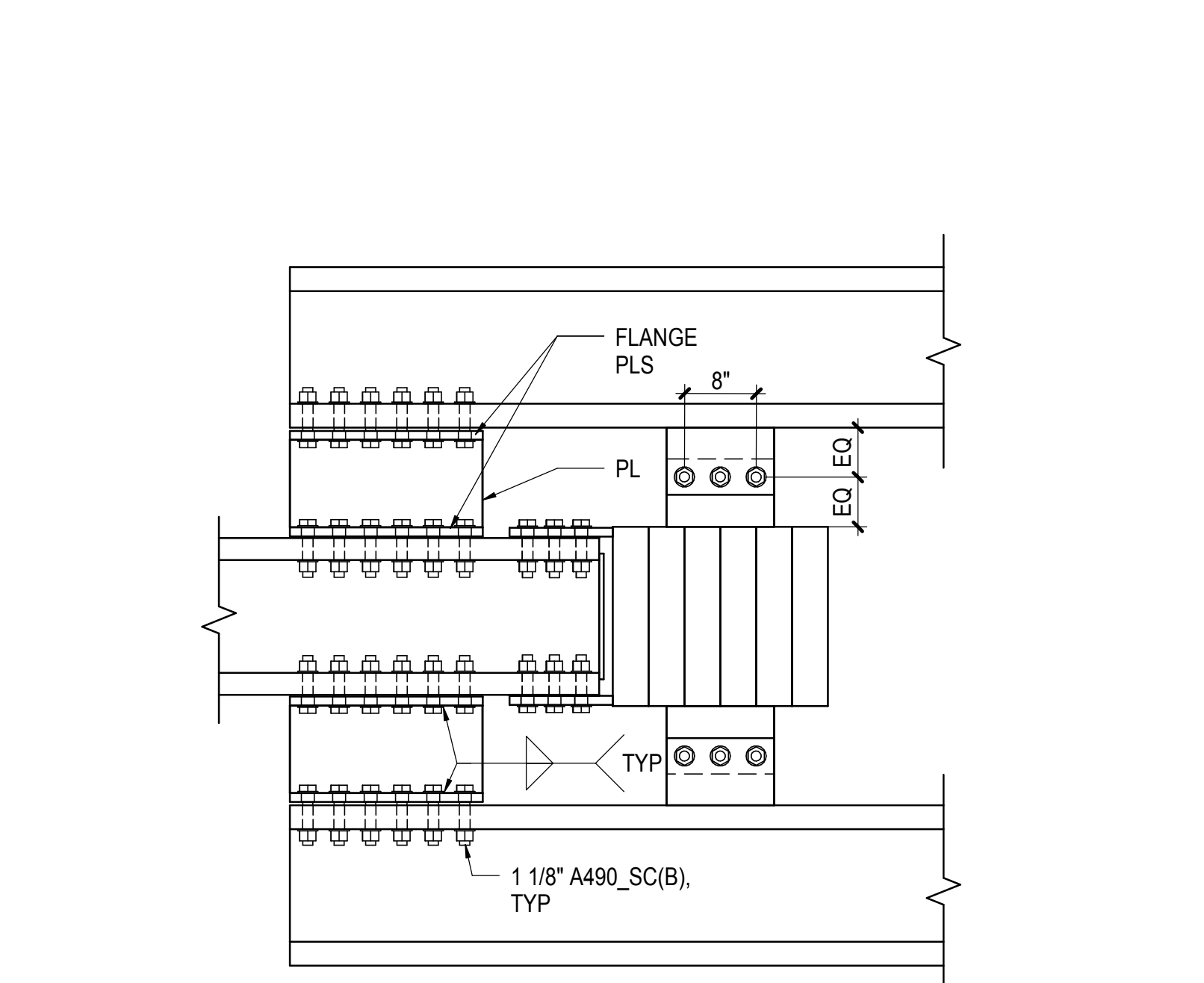
2 SECTION AT BOTTOM CHORD TRUSS CONNECTION TO BOX COLUMN
3/4" = 1'-0"



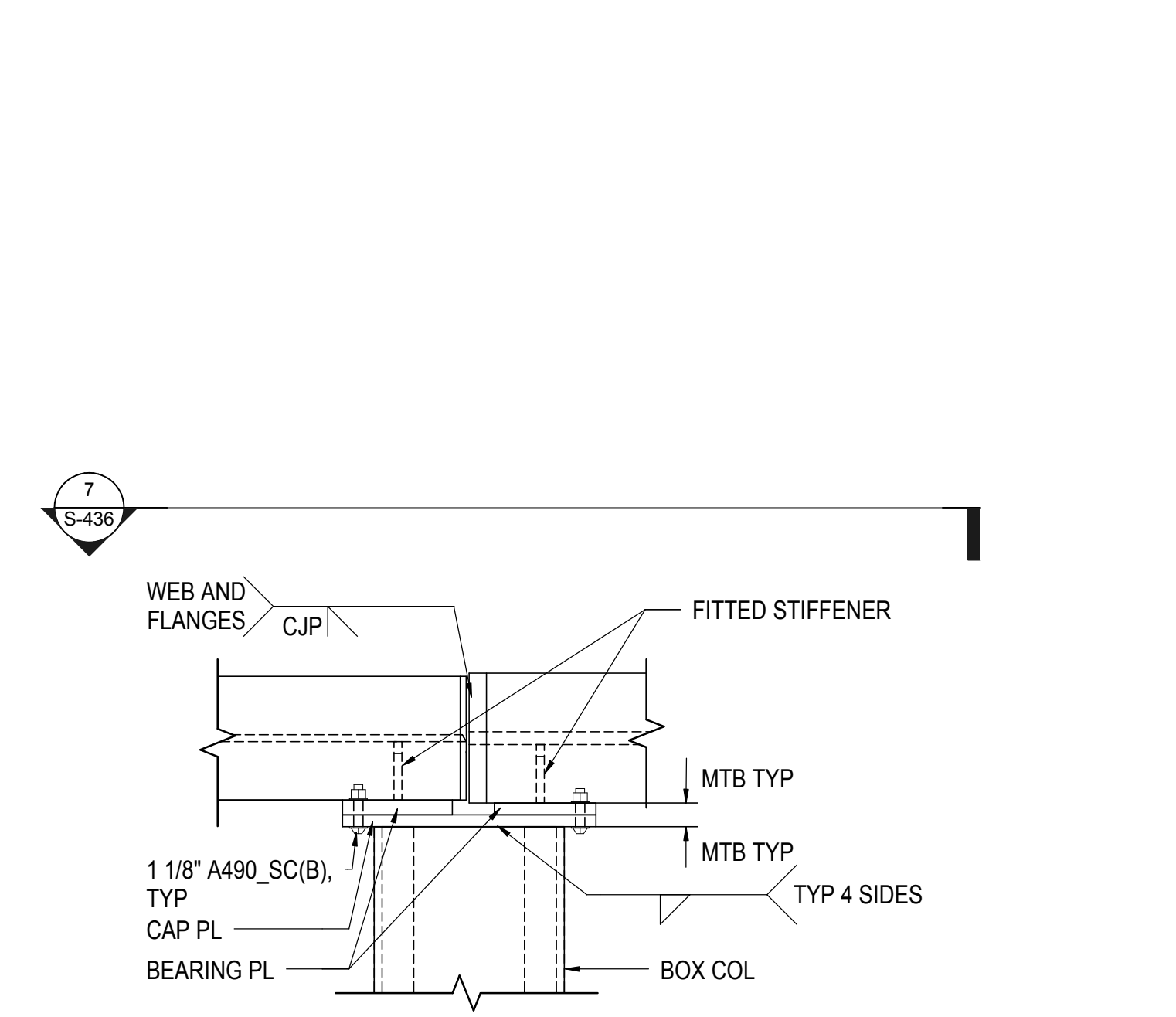
3 DOUBLE TRUSS BOX COLUMN SEATED DETAIL
3/4" = 1'-0"



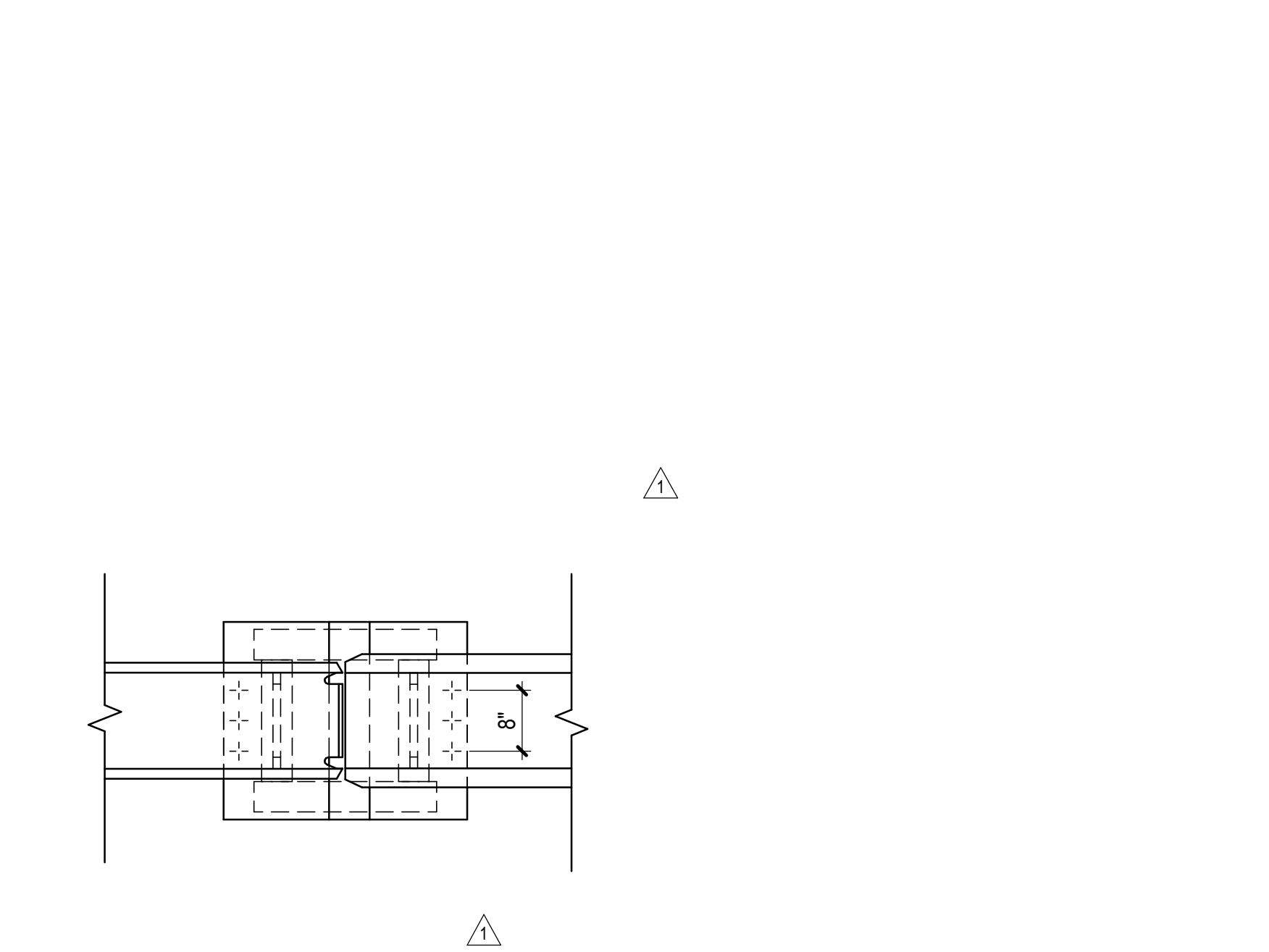
4 DETAIL AT COLUMN CORNER NODE BOLTED CONNECTION TO BUILT-UP COLUMN
3/4" = 1'-0"



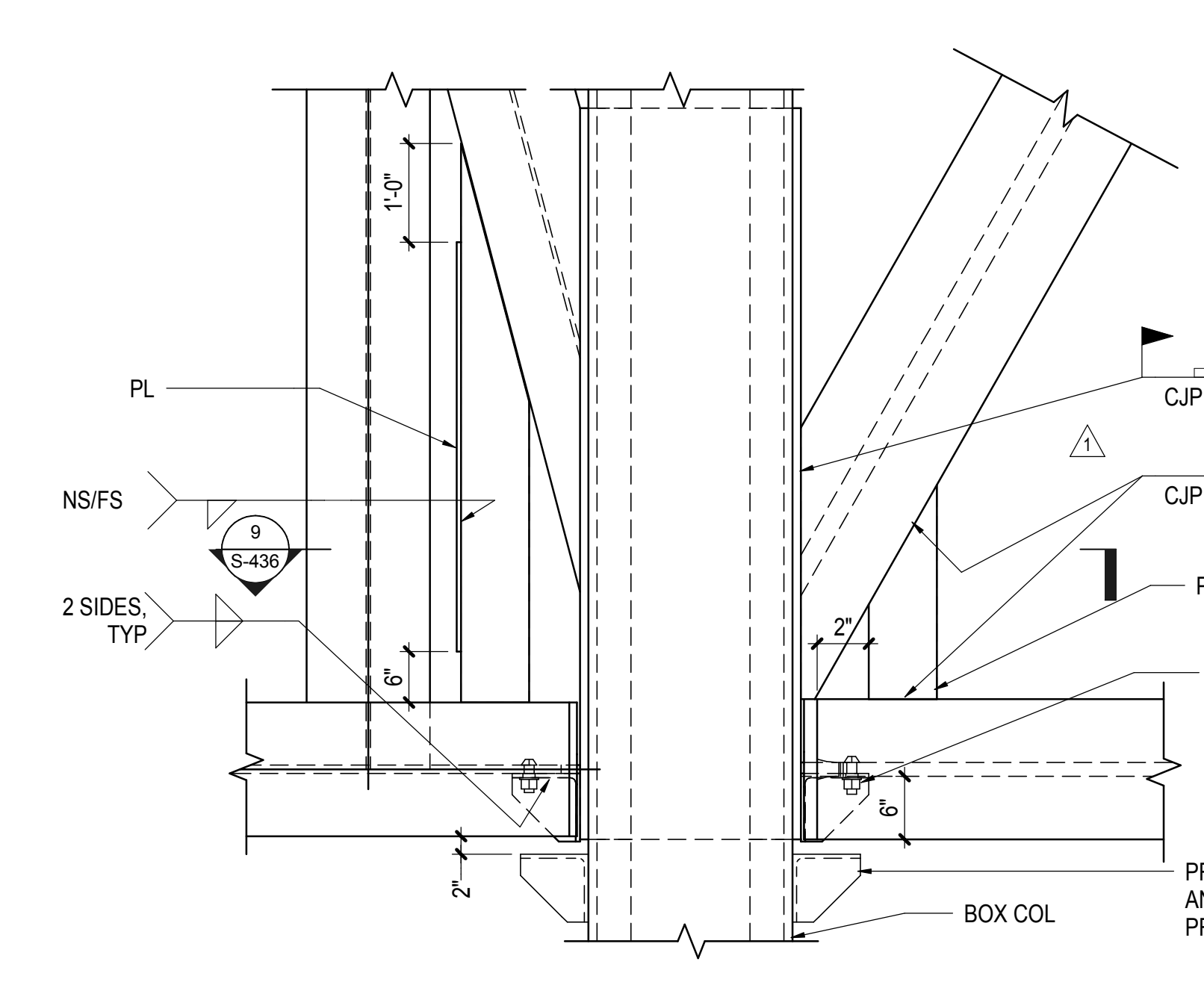
5 SECTION AT TOP CHORD TRUSS CONNECTION TO BOX COLUMN
3/4" = 1'-0"



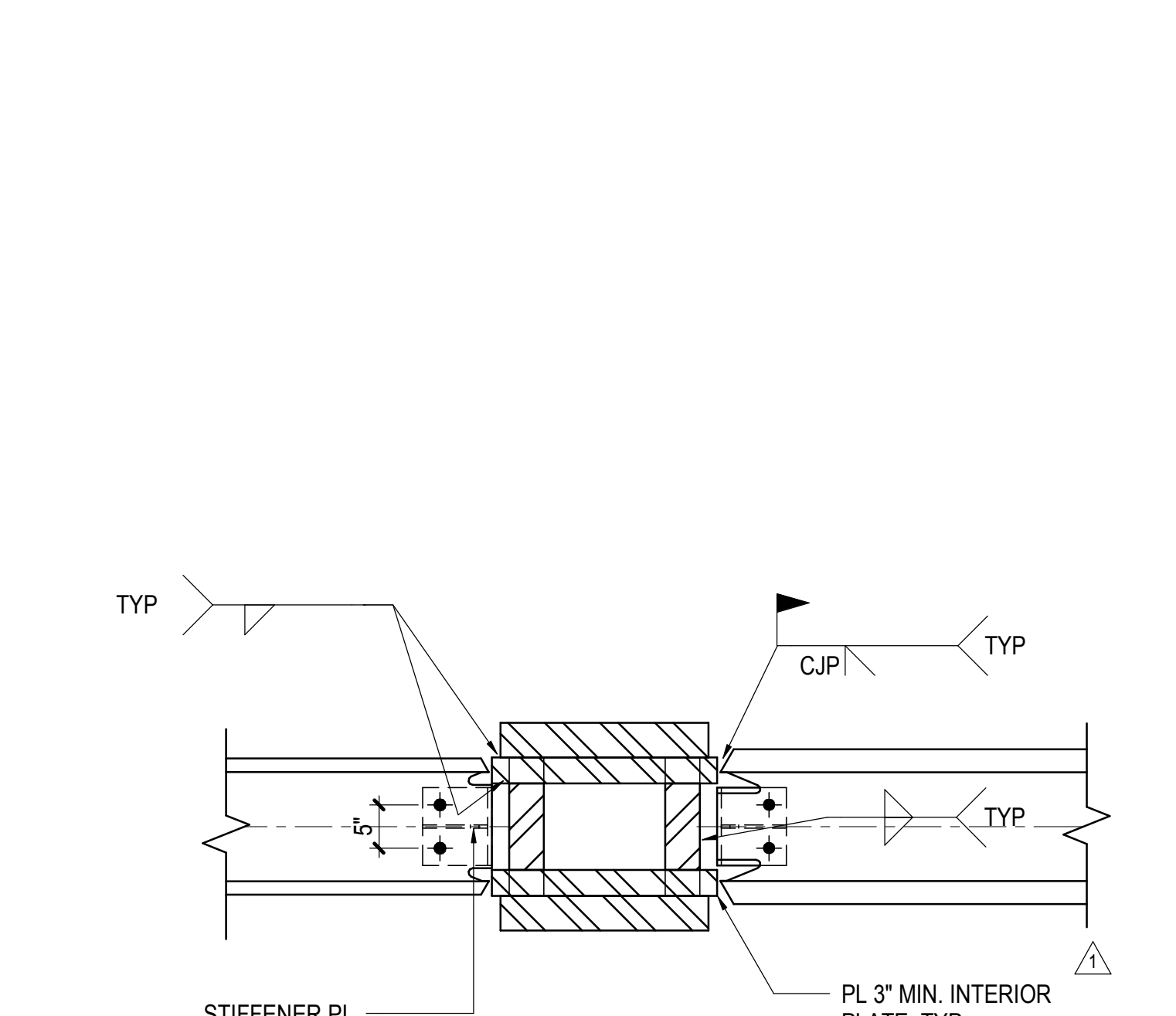
6 DETAIL AT TOP CHORD TRUSS SEATED CONNECTION
3/4" = 1'-0"



7 SECTION AT TOP CHORD TRUSS SEATED CONNECTION
3/4" = 1'-0"



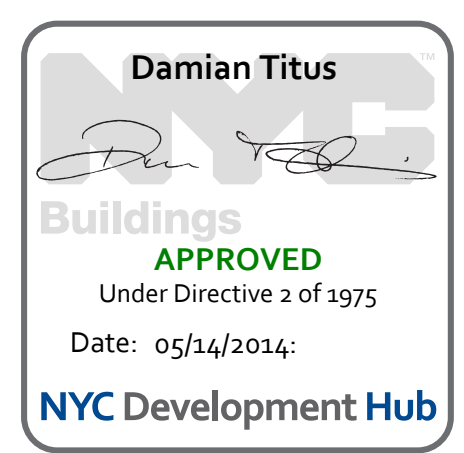
8 DETAIL AT BOTTOM CHORD TRUSS SEATED CONNECTION
3/4" = 1'-0"



9 SECTION AT BOTTOM CHORD TRUSS SEATED CONNECTION
1" = 1'-0"

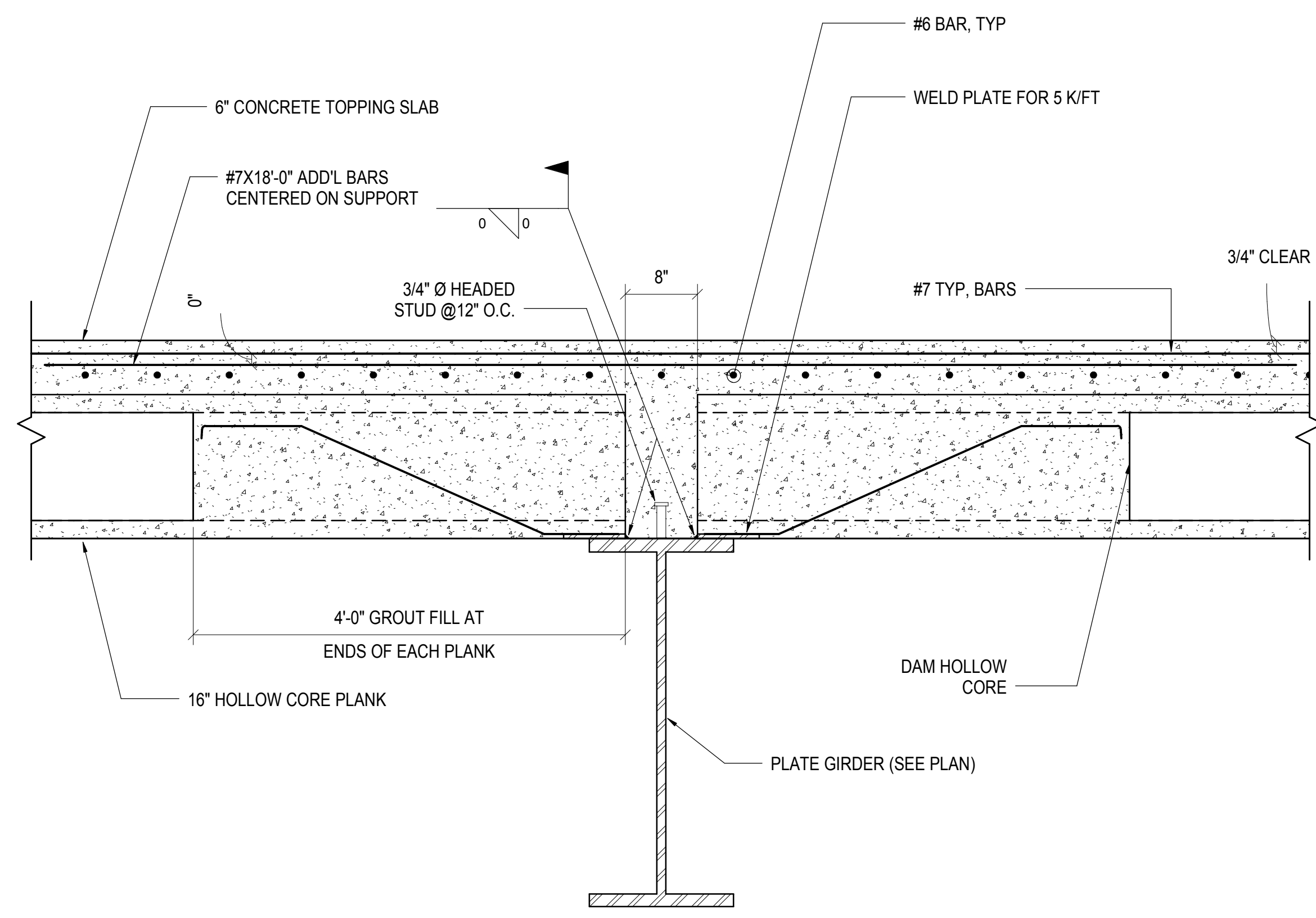
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|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. - PLATFORM SUBMISSION | |
| A. DR-0 PHASE 1 STRUCTURAL UPDATE | 11/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. DR-0 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| Rev | Description |

Rev. Plan

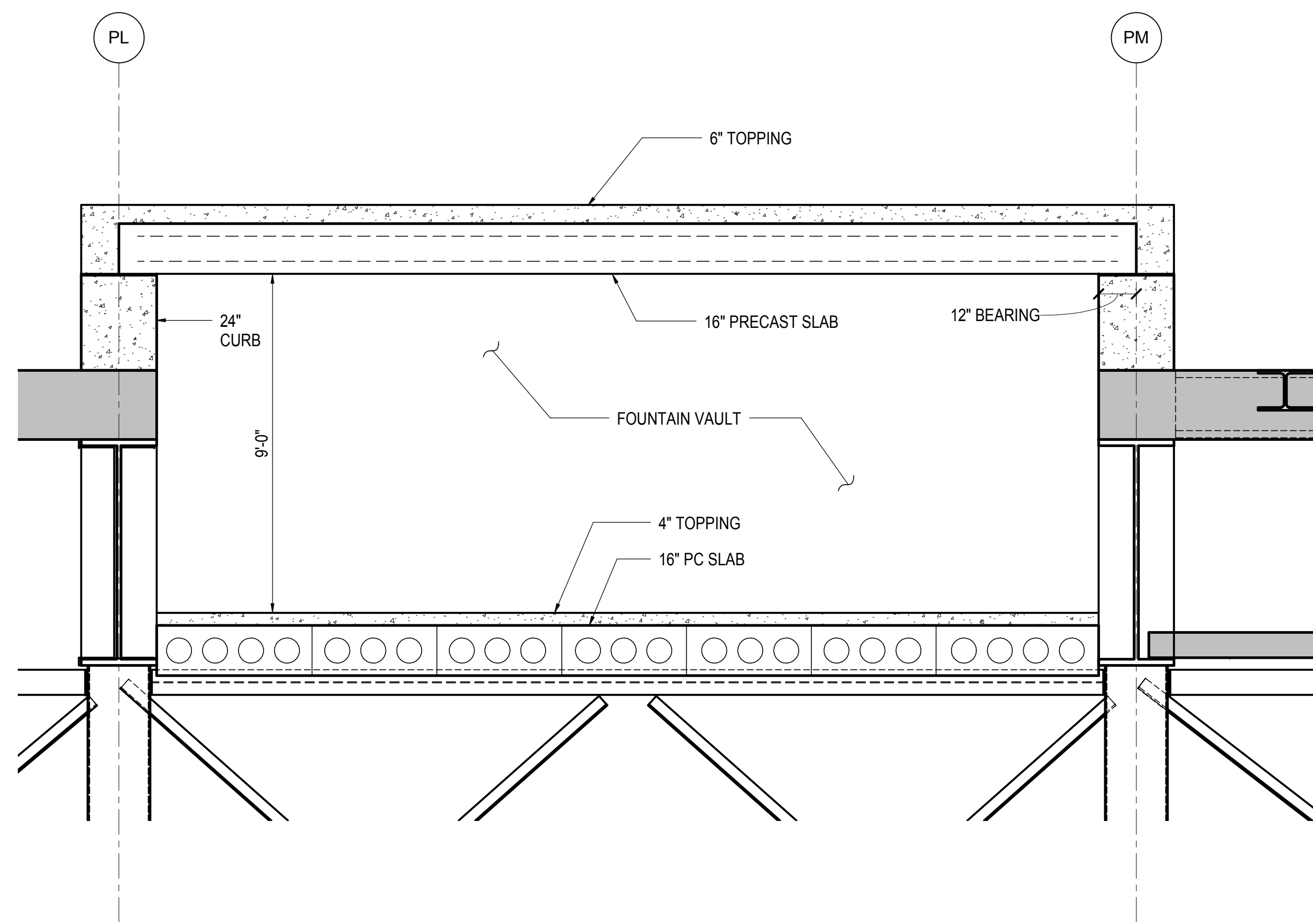


Date: 08/09/13
Project No: N11330.00
Author: Author

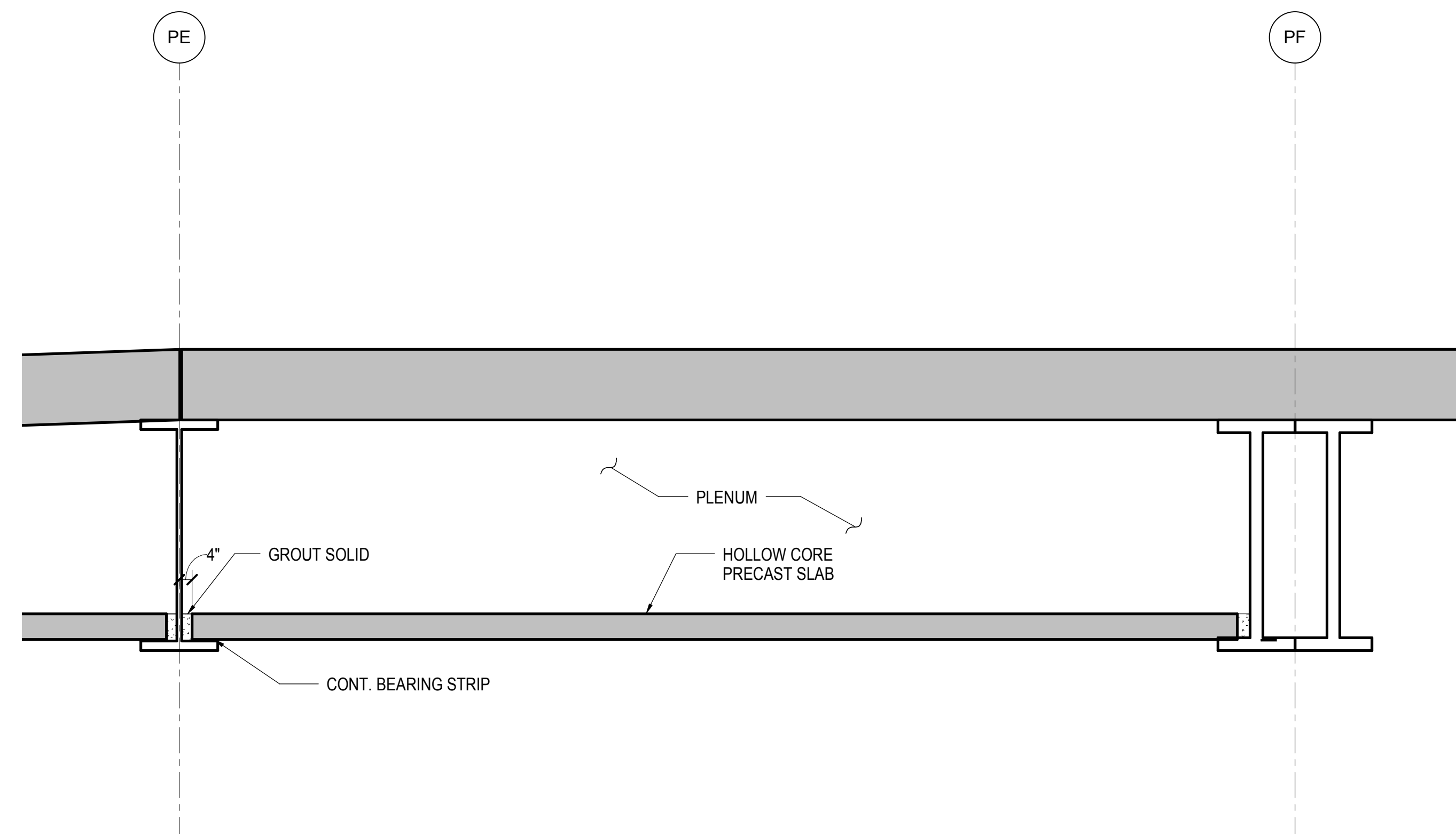
HYE - PL - S-436.00
TRUSS CONNECTION DETAILS



1 TYPICAL PRECAST PLANK SUPPORT DETAIL
1" = 1'-0"



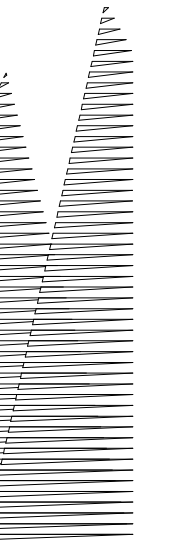
2 FOUNTAIN VAULT
3/8" = 1'-0"



3 PLENUM SECTION
3/8" = 1'-0"

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
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Architect
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PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

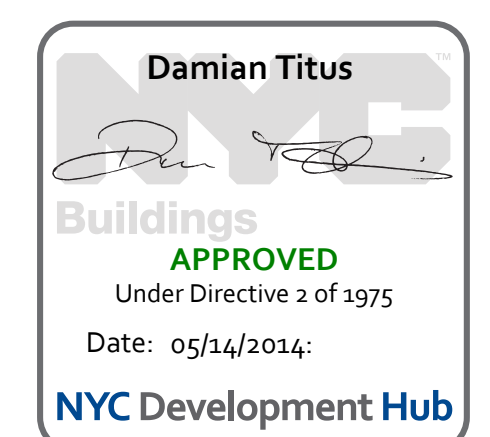
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| No. | Description | Date |
|----------------------------------|-------------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL | 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | | |
| Δ D142 PHASE I STRUCTURAL UPDATE | | 1/1/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ D141 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | | 2/15/2013 |

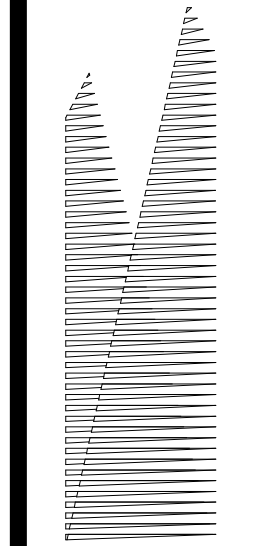
Rev Plot

Date: 12/14/2012
Project No: N11330.00
Drawn By: Author
Sheet Number:



HYE -PL -S-501.00
Drawing Title
WEST PLATFORM SLAB SECTIONS AND DETAILS

Drawing Number / Revision Drawing Number
S-501.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

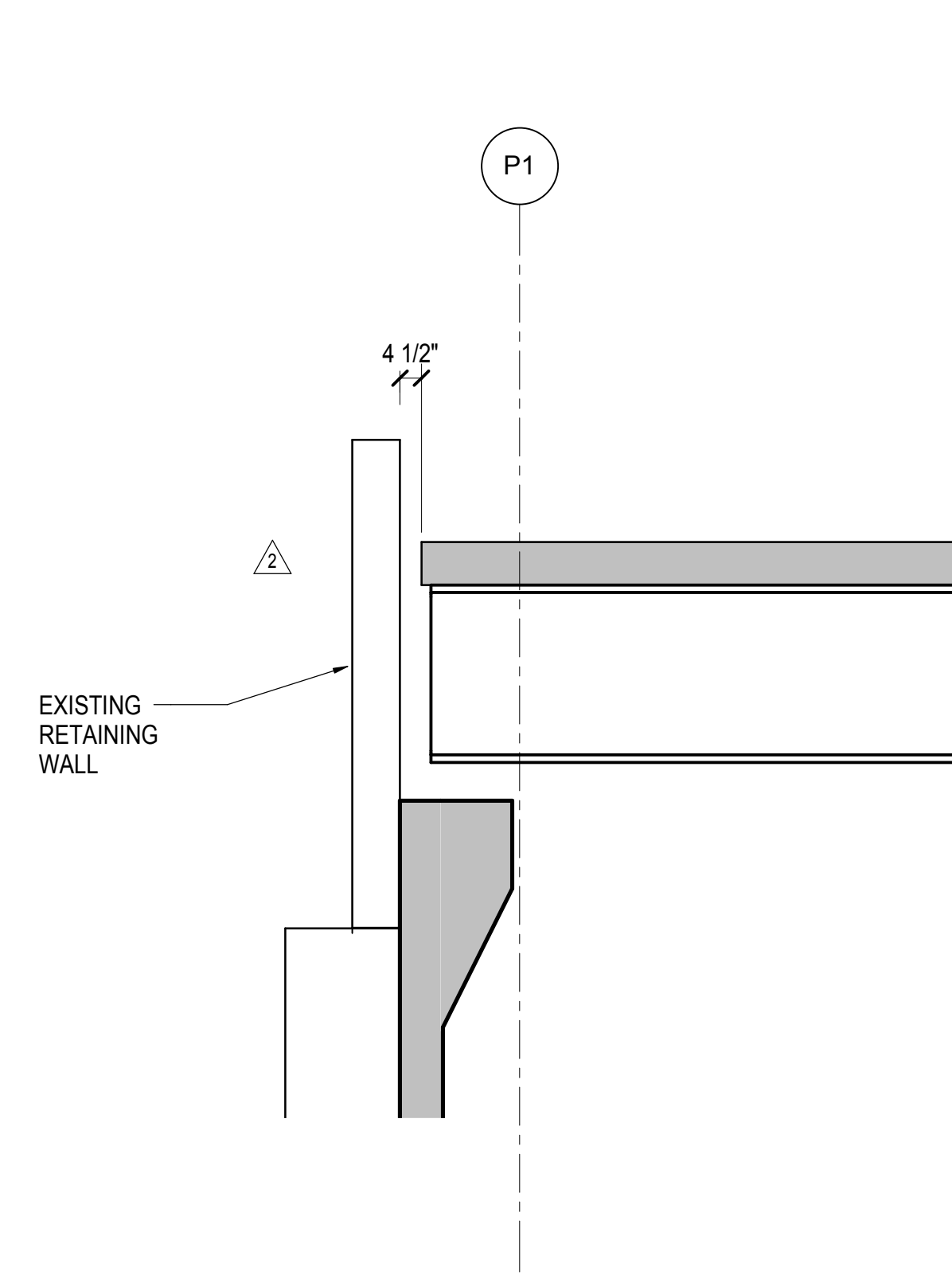
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

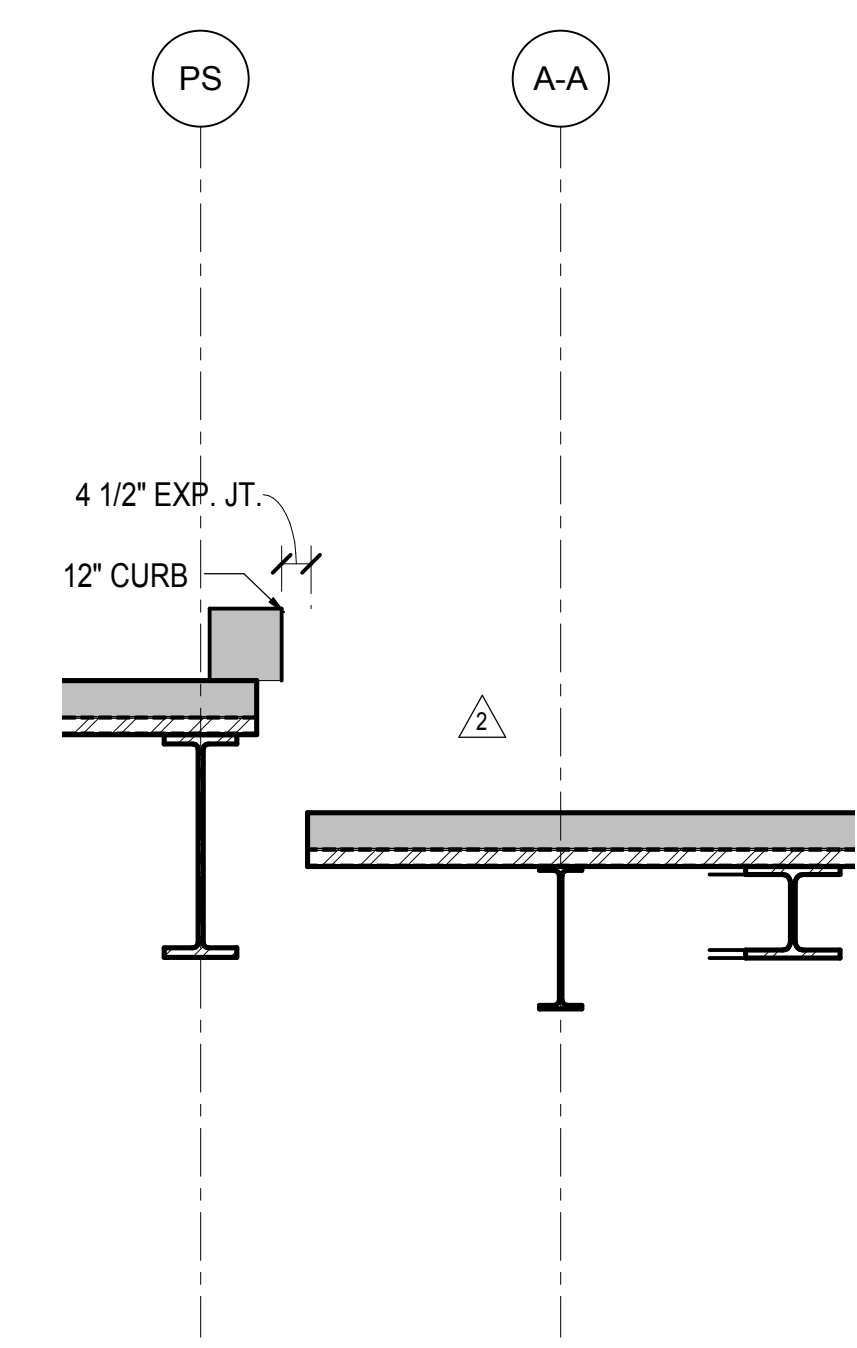
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172

| No. | Description | Date |
|-----|---------------------------------|------------|
| 1 | NYC DOB FILING | 12/4/2013 |
| 2 | LIRR - PRE-FINAL 100% | 11/22/2013 |
| 3 | M&T - PLATFORM SUBMISSION | |
| 4 | DR-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| 5 | NYC DOB FILING | 10/4/2013 |
| 6 | DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| 7 | LIRR - 90% SUBMISSION | 8/09/2013 |
| 8 | NYC DOB FILING | 6/17/2013 |
| 9 | LIRR - 60% SUBMISSION | 5/29/2013 |
| 10 | LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| 11 | LIRR - 30% SUBMISSION | 2/15/2013 |

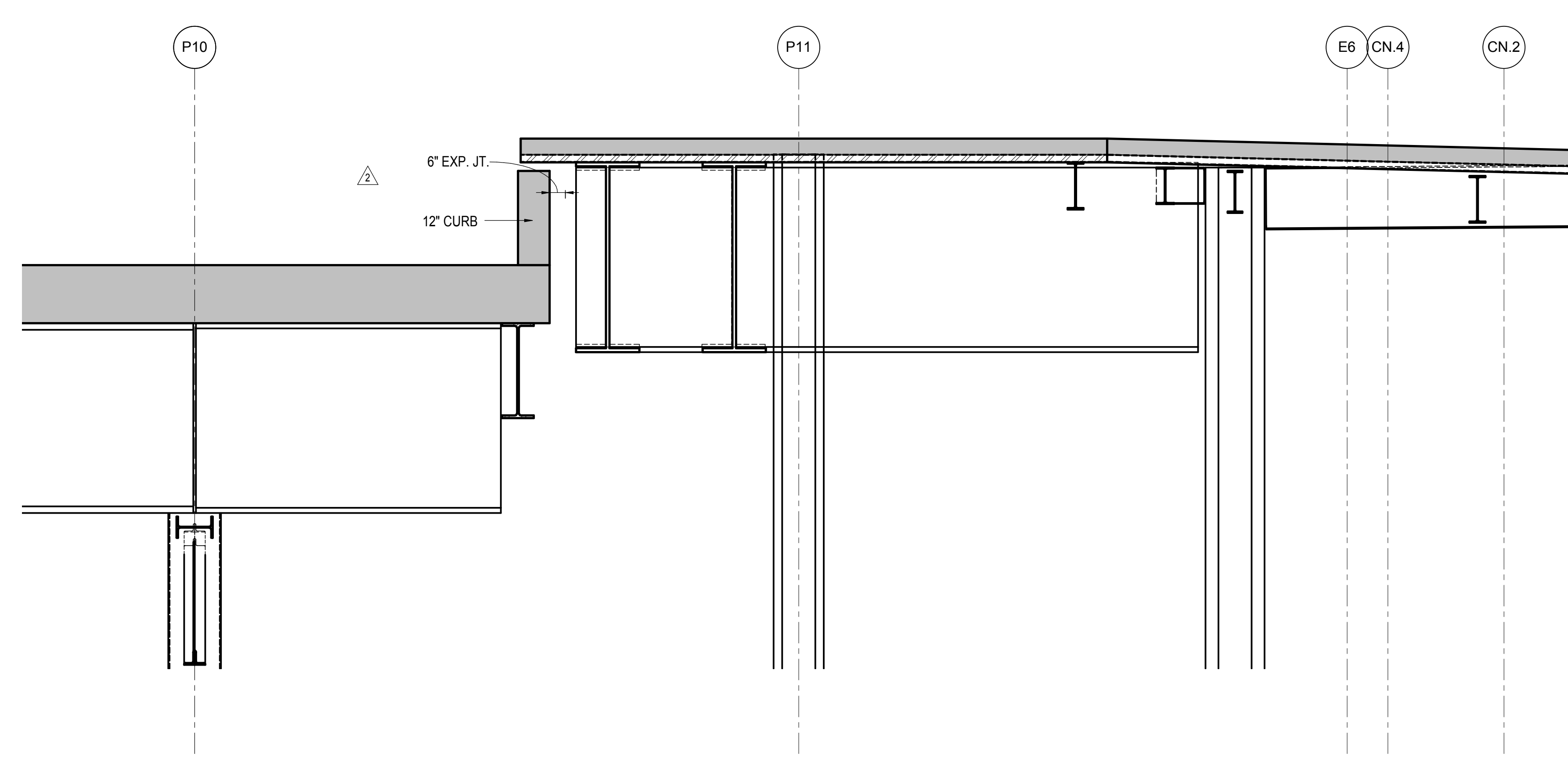
Exp Plan



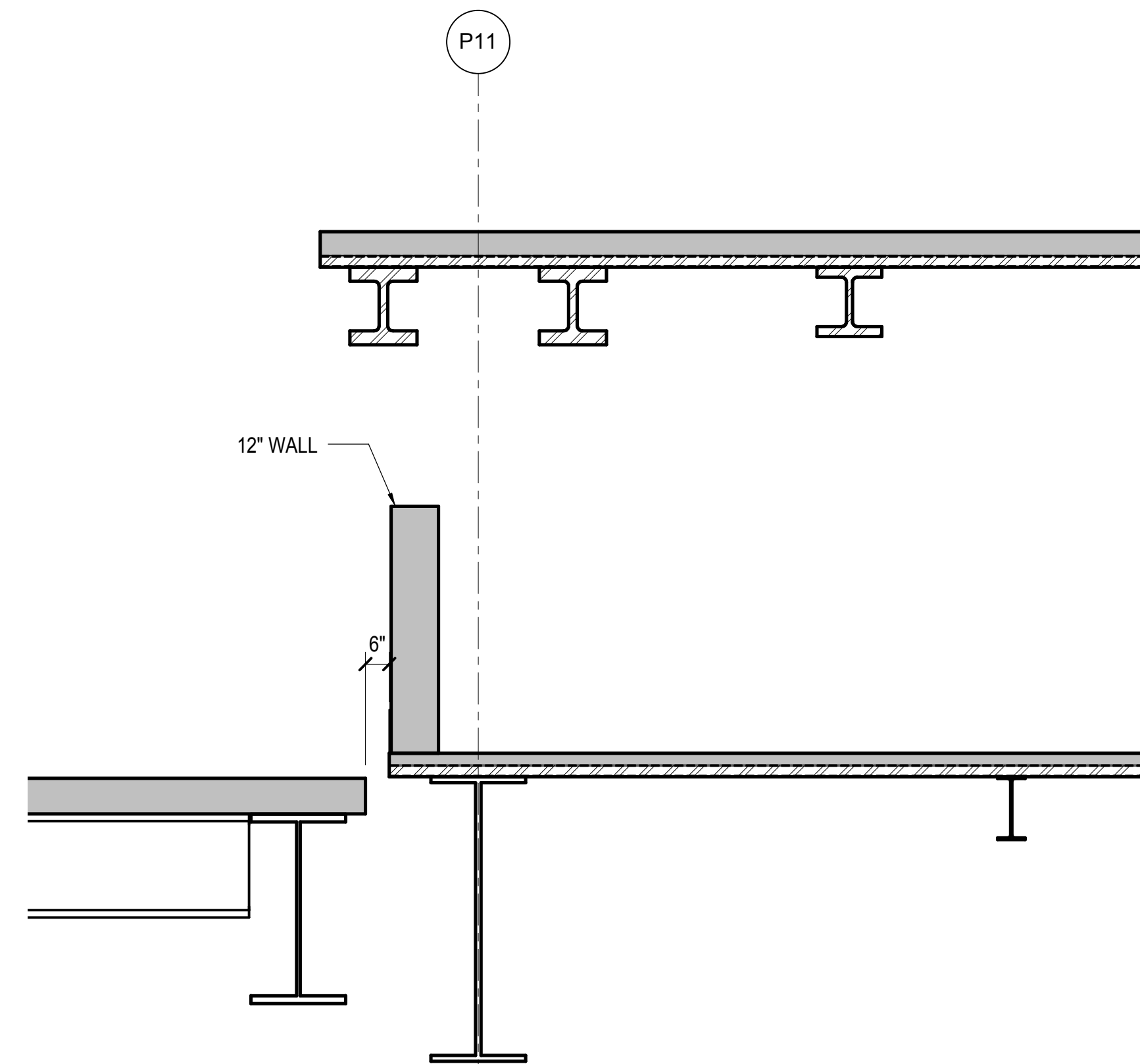
1 EXPANSION JOINT DETAIL AT 33RD STREET
3/8" = 1'-0"



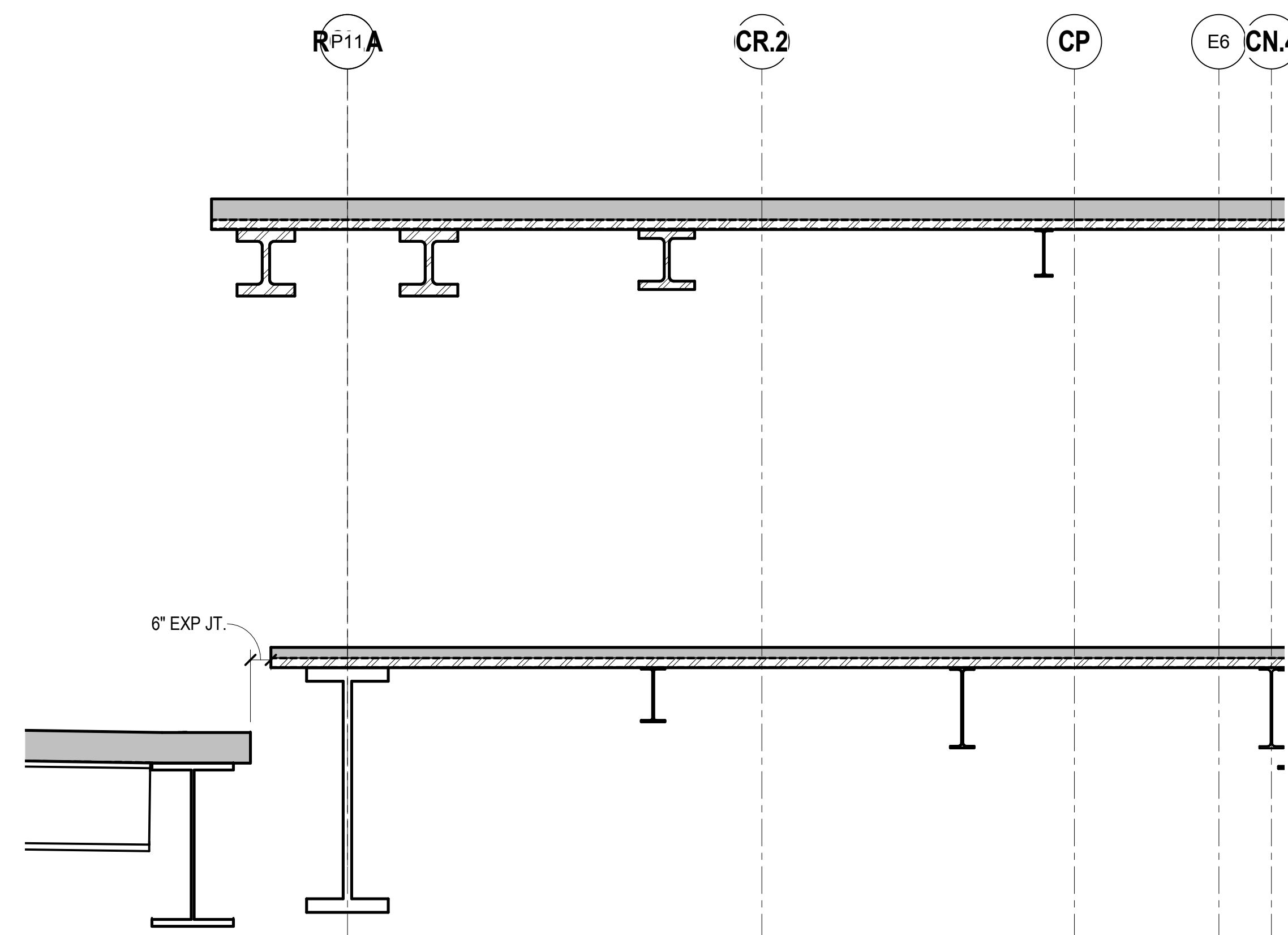
2 EXPANSION JOINT DETAIL AT HUDSON BLVD
3/8" = 1'-0"



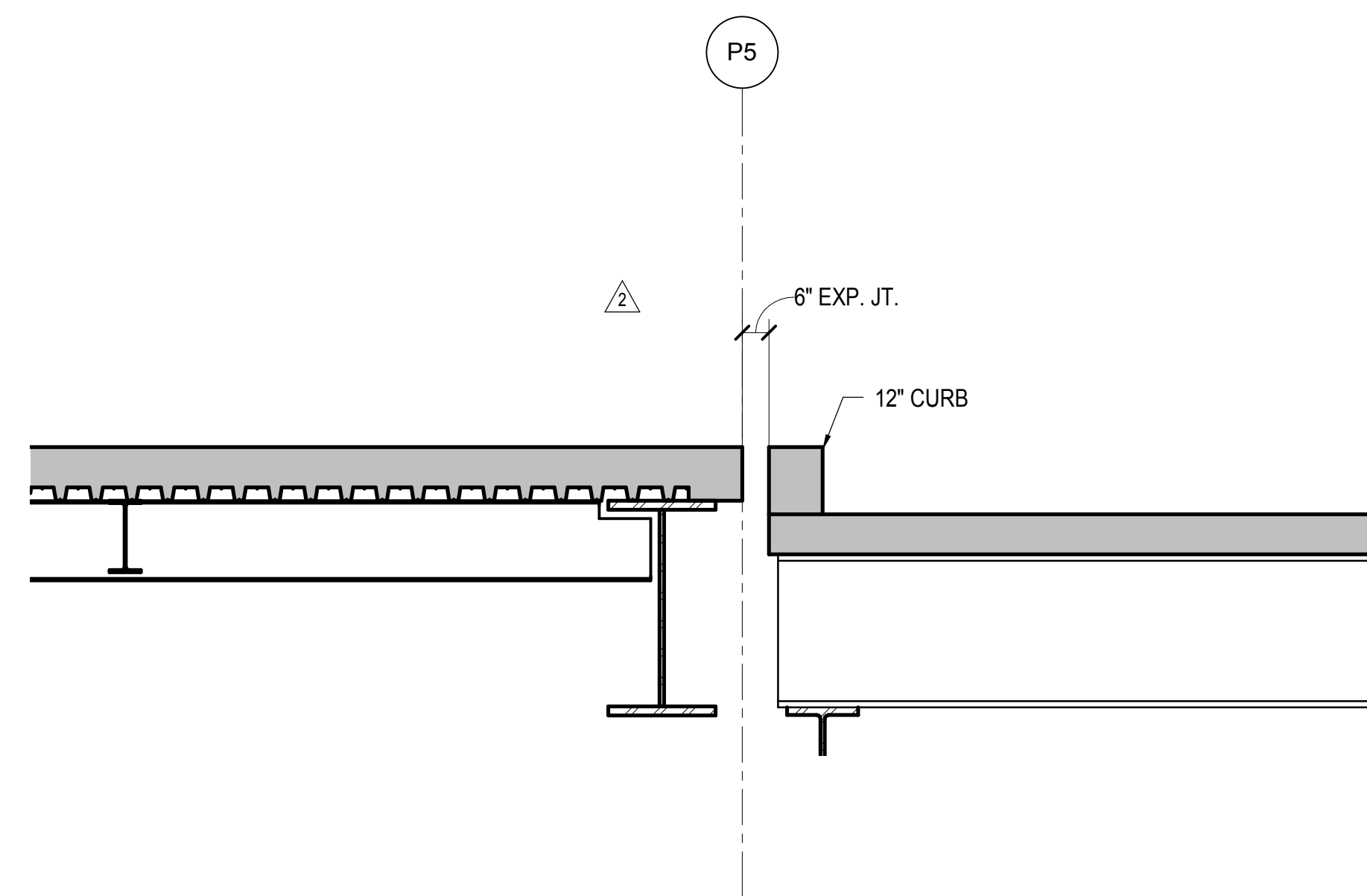
3 EXPANSION JOINT DETAIL AT TOWER C SLAB INFILL
3/8" = 1'-0"



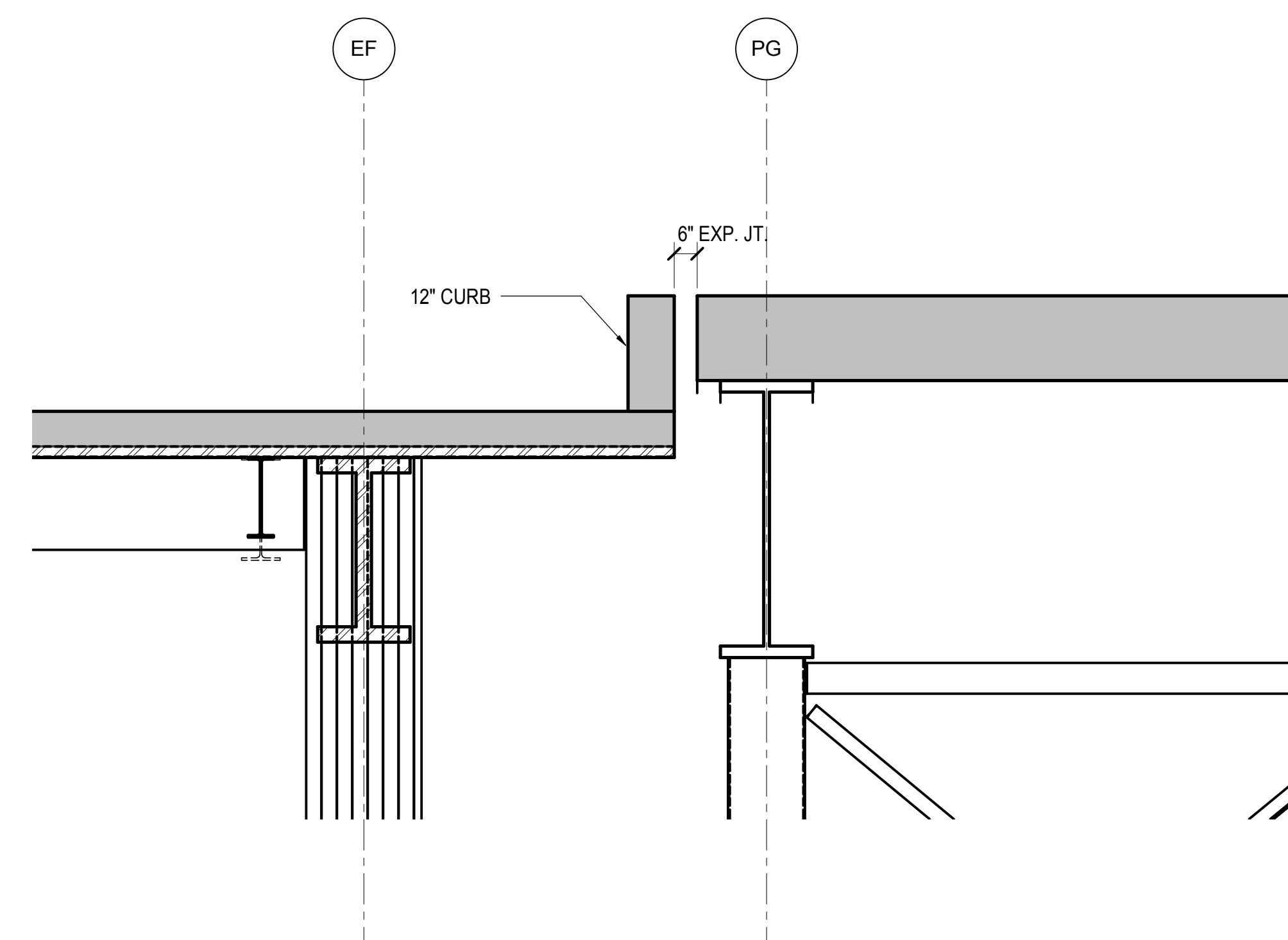
4 EXPANSION JOINT DETAIL AT TOWER C SLAB INFILL
3/8" = 1'-0"



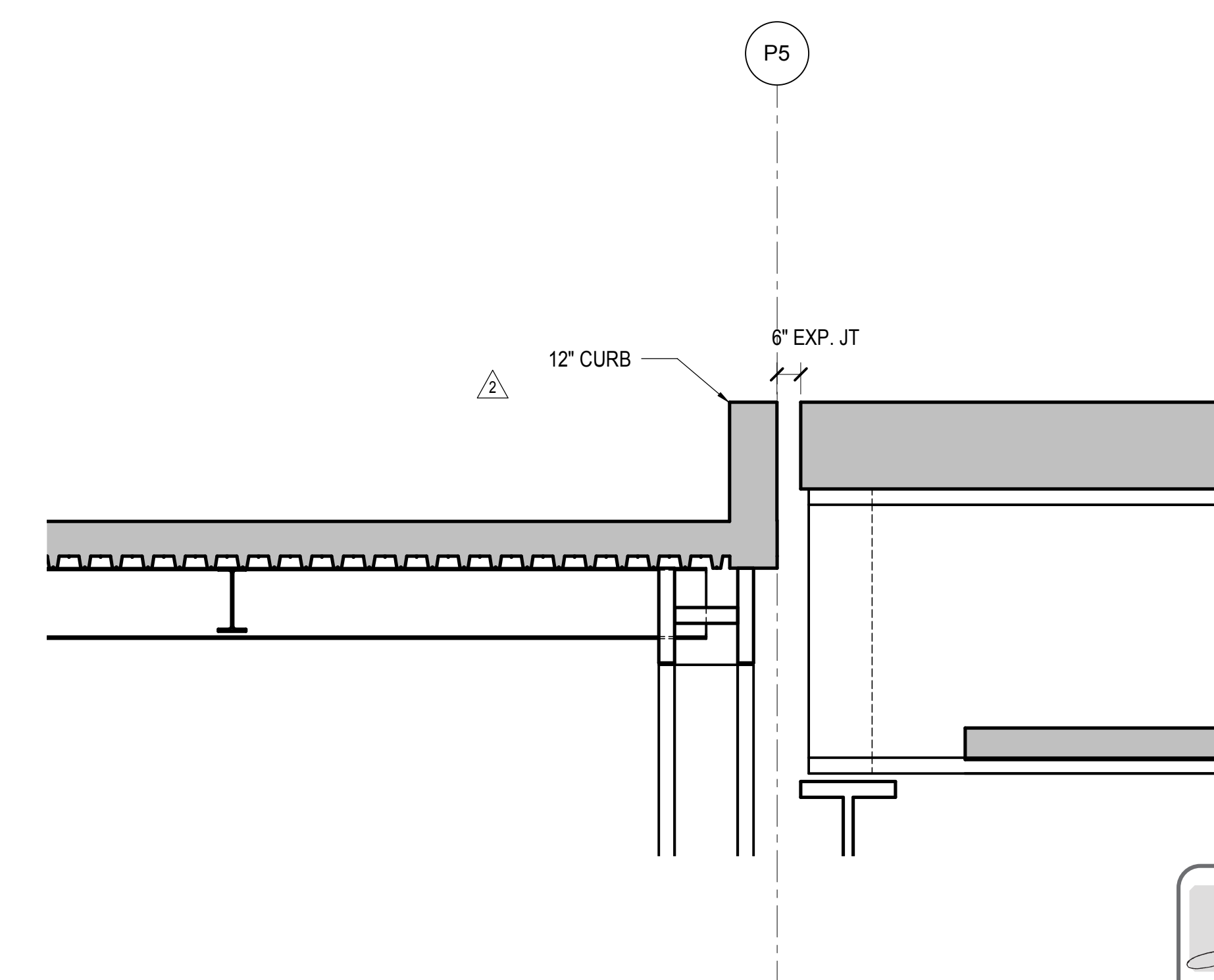
5 EXPANSION JOINT DETAIL AT TOWER C SLAB INFILL
3/8" = 1'-0"



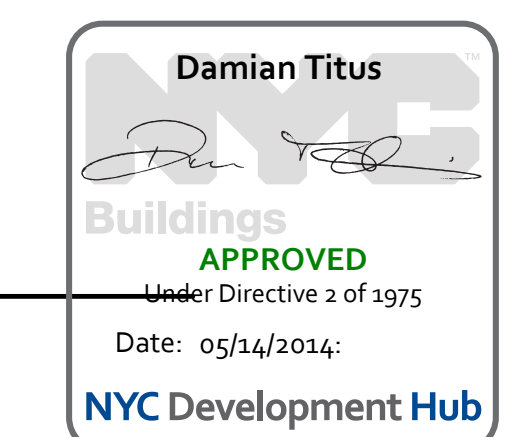
6 EXPANSION JOINT DETAIL AT TOWER E
3/8" = 1'-0"



7 EXPANSION JOINT DETAIL AT TOWER E
3/8" = 1'-0"



8 EXPANSION JOINT DETAIL AT TOWER E
3/8" = 1'-0"



Date: 12/14/2012

Project No: N11330.00

Drawn By: Author

Sheet Number:

HYE - PL - S-503.00

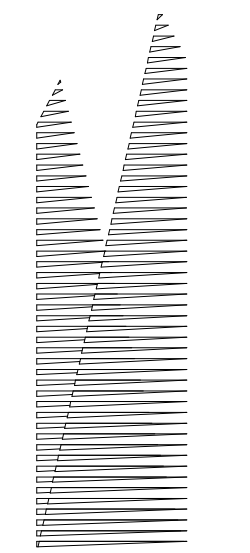
EXPANSION JOINT
DETAILS I

Drawing Number / B/S/CAN Drawing Number

S-503.00

SHEET 137 OF 201

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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

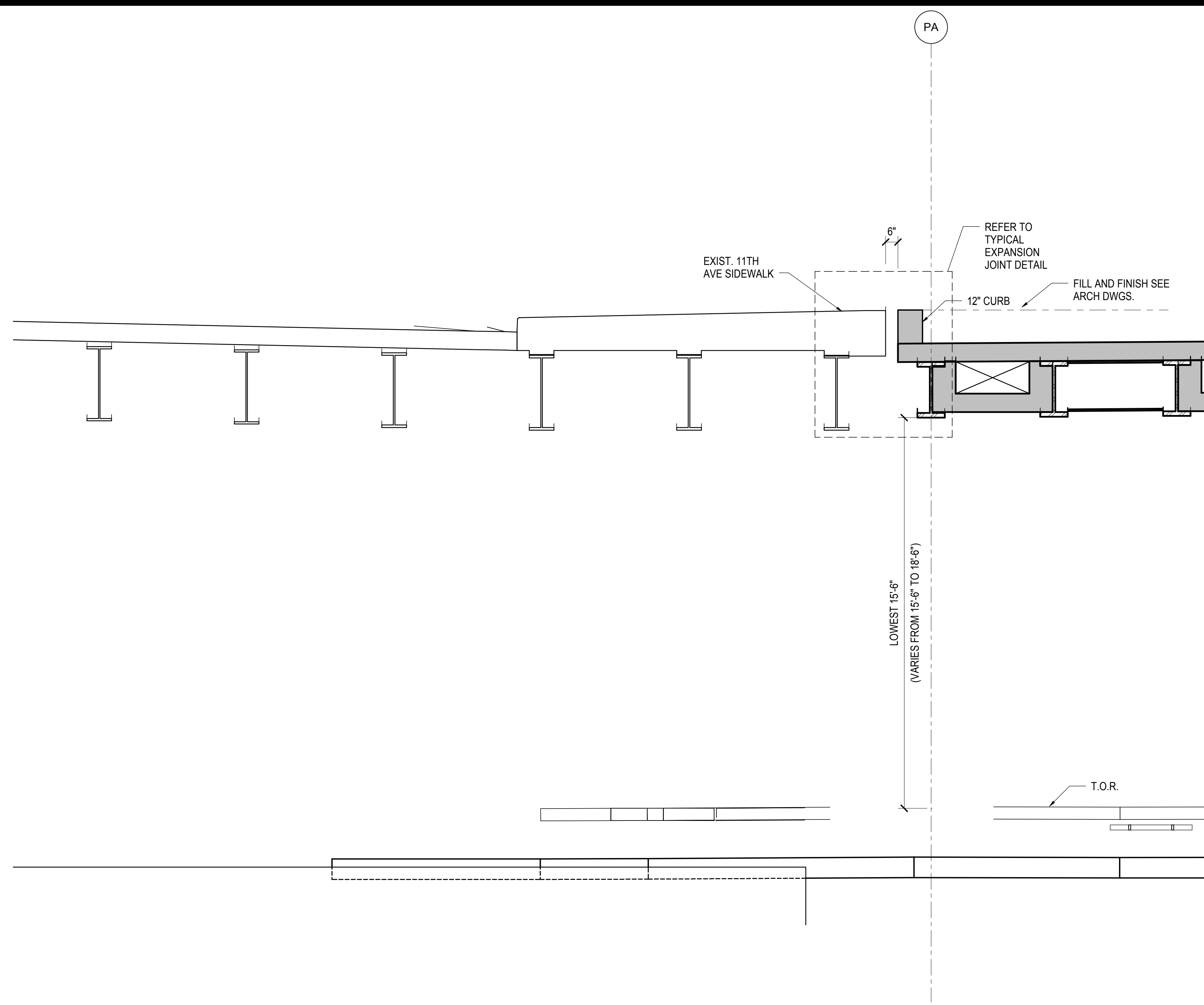
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

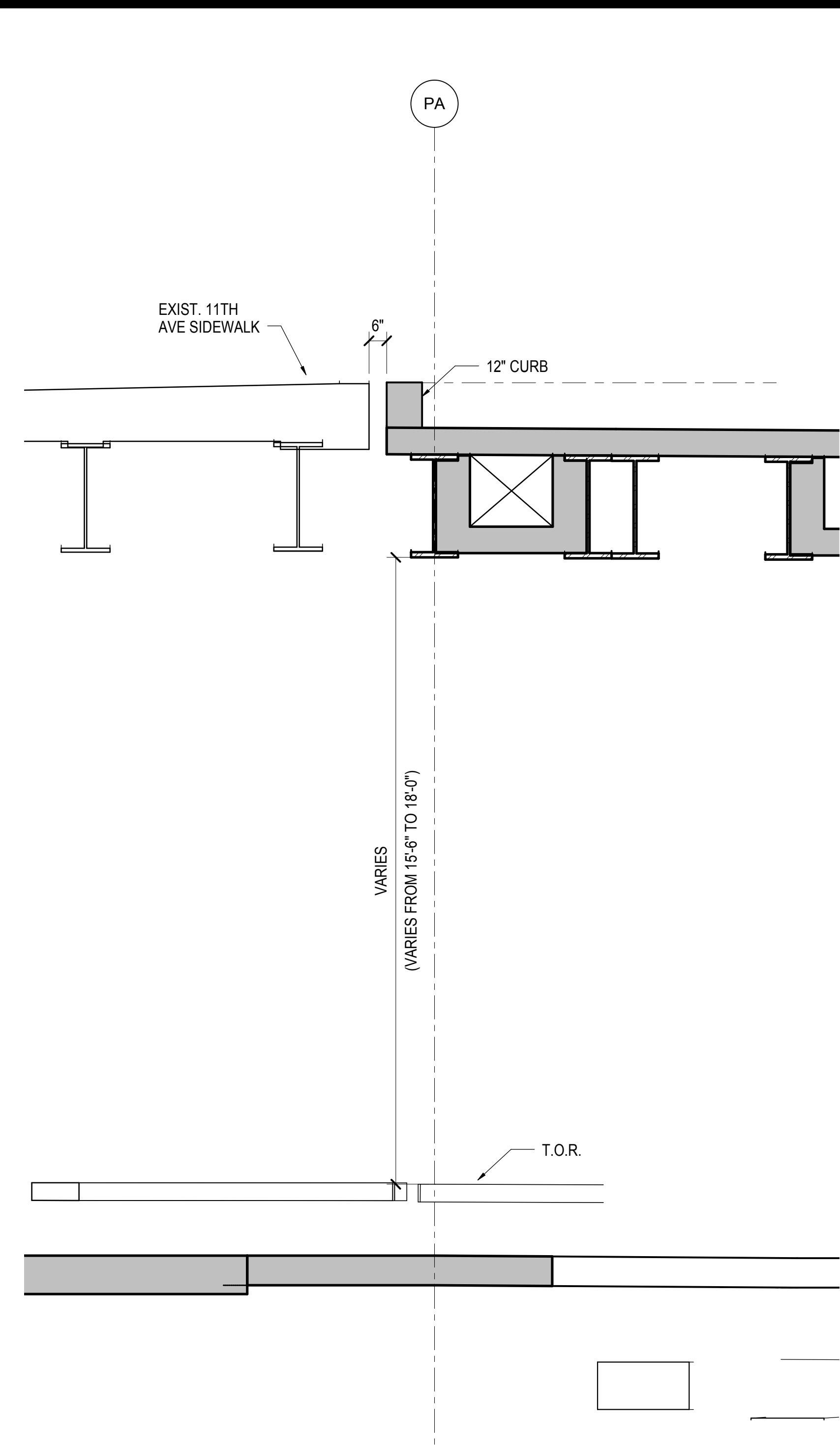
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

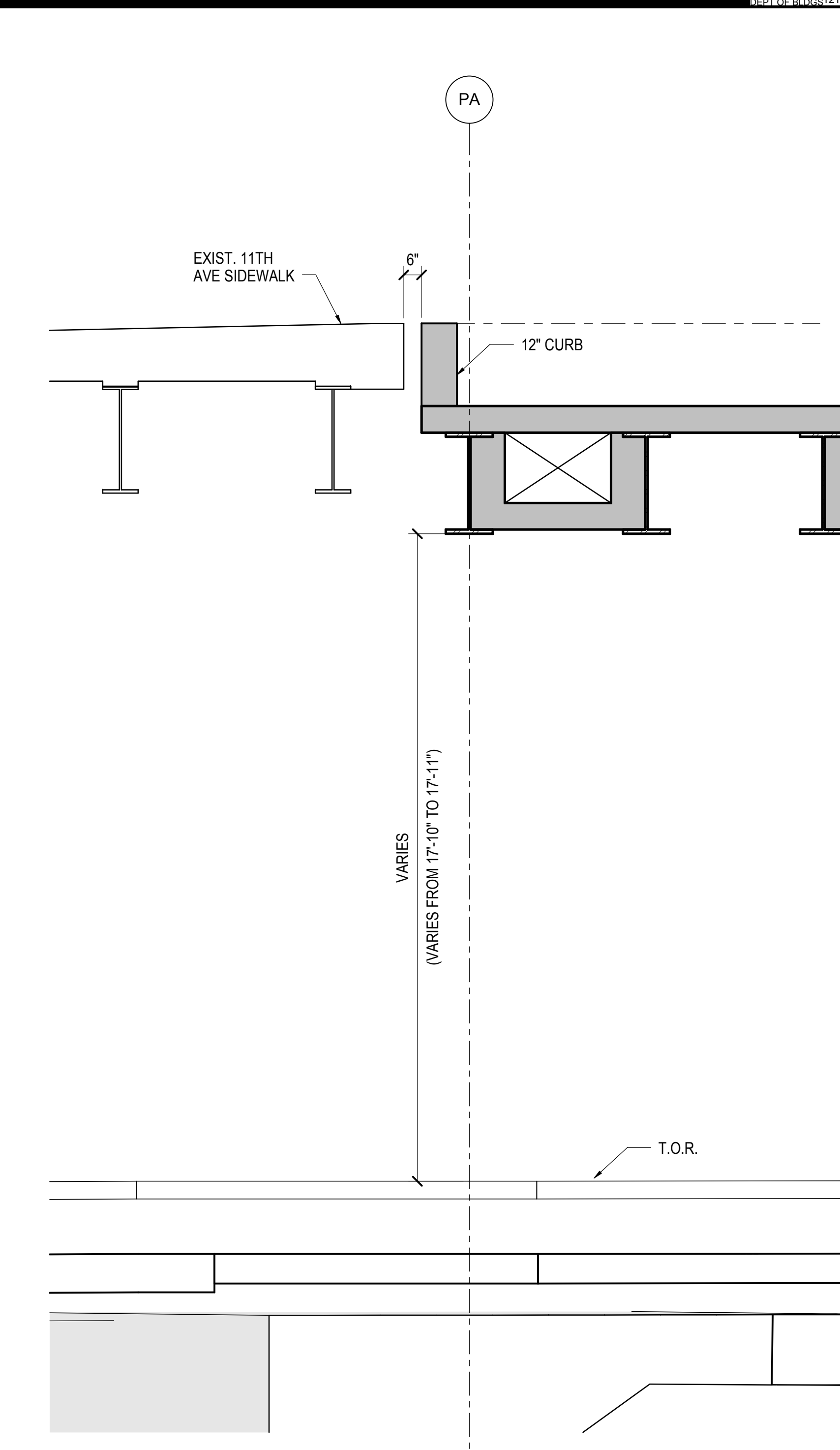
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



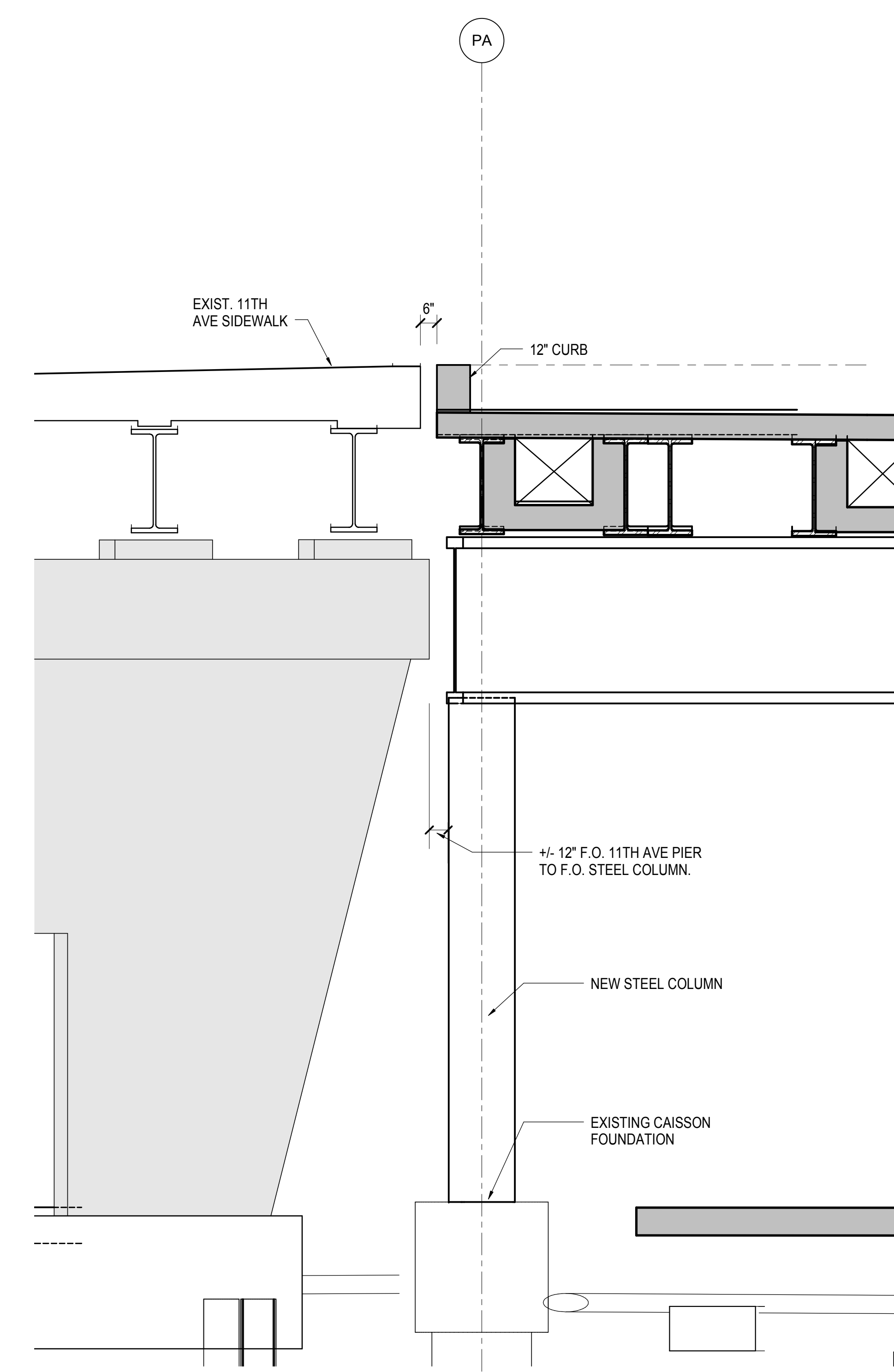
1 SECTION AT 31ST STREET
3/8" = 1'-0"



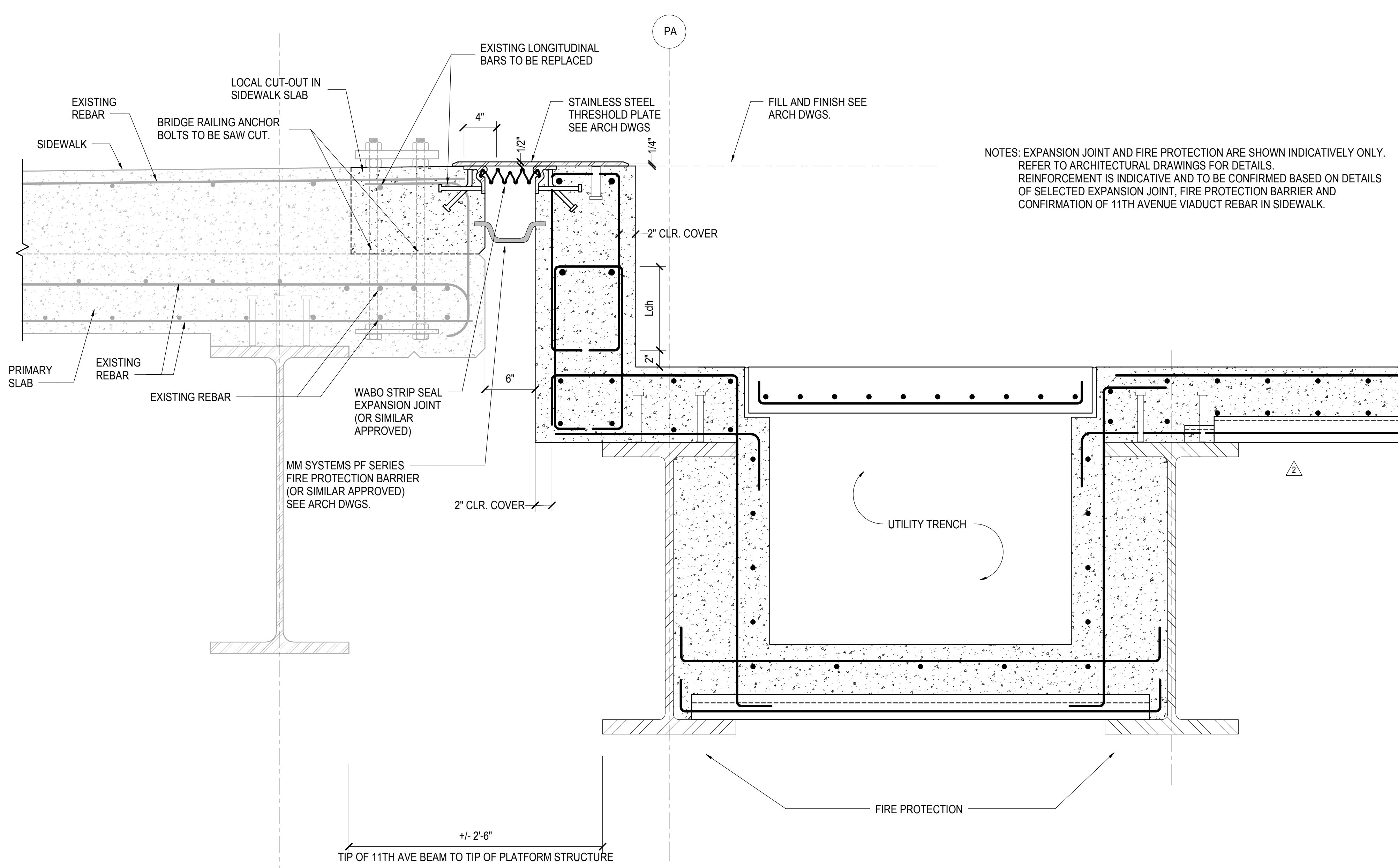
2 SECTION AT 11TH AVENUE
3/8" = 1'-0"



3 SECTION AT 11TH AVENUE
3/8" = 1'-0"



4 SECTION AT PA7 COLUMN
3/8" = 1'-0"

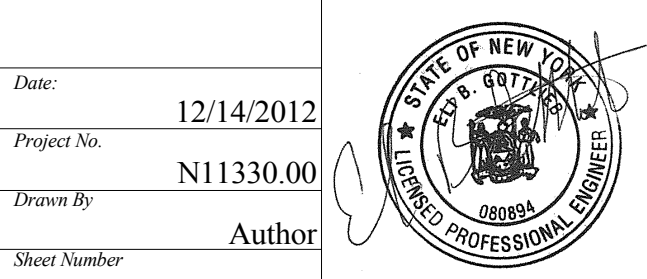
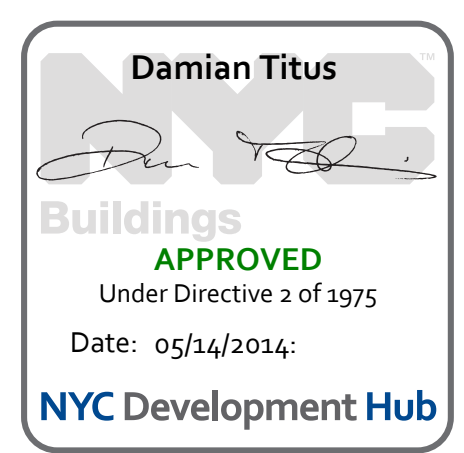


5 TYPICAL EXPANSION JOINT DETAIL
1/12" = 1'-0"

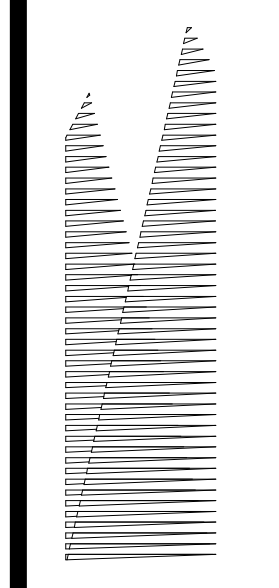
NOTES: EXPANSION JOINT AND FIRE PROTECTION ARE SHOWN INDICATIVELY ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. REINFORCEMENT IS INDICATIVE AND TO BE CONFIRMED BASED ON DETAILS OF SELECTED EXPANSION JOINT, FIRE PROTECTION BARRIER AND CONFIRMATION OF 11TH AVENUE VIADUCT REBAR IN SIDEWALK.

| | |
|-------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 08/20/2012 |

| | | |
|-----|-------------|------|
| Rev | Description | Date |
| | | |



HYE -PL -S-504.00
EXPANSION JOINT
DETAILS II



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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New York, NY 10005
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LIRR Ventilation
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77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
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605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172

| | |
|-------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 08/20/2012 |

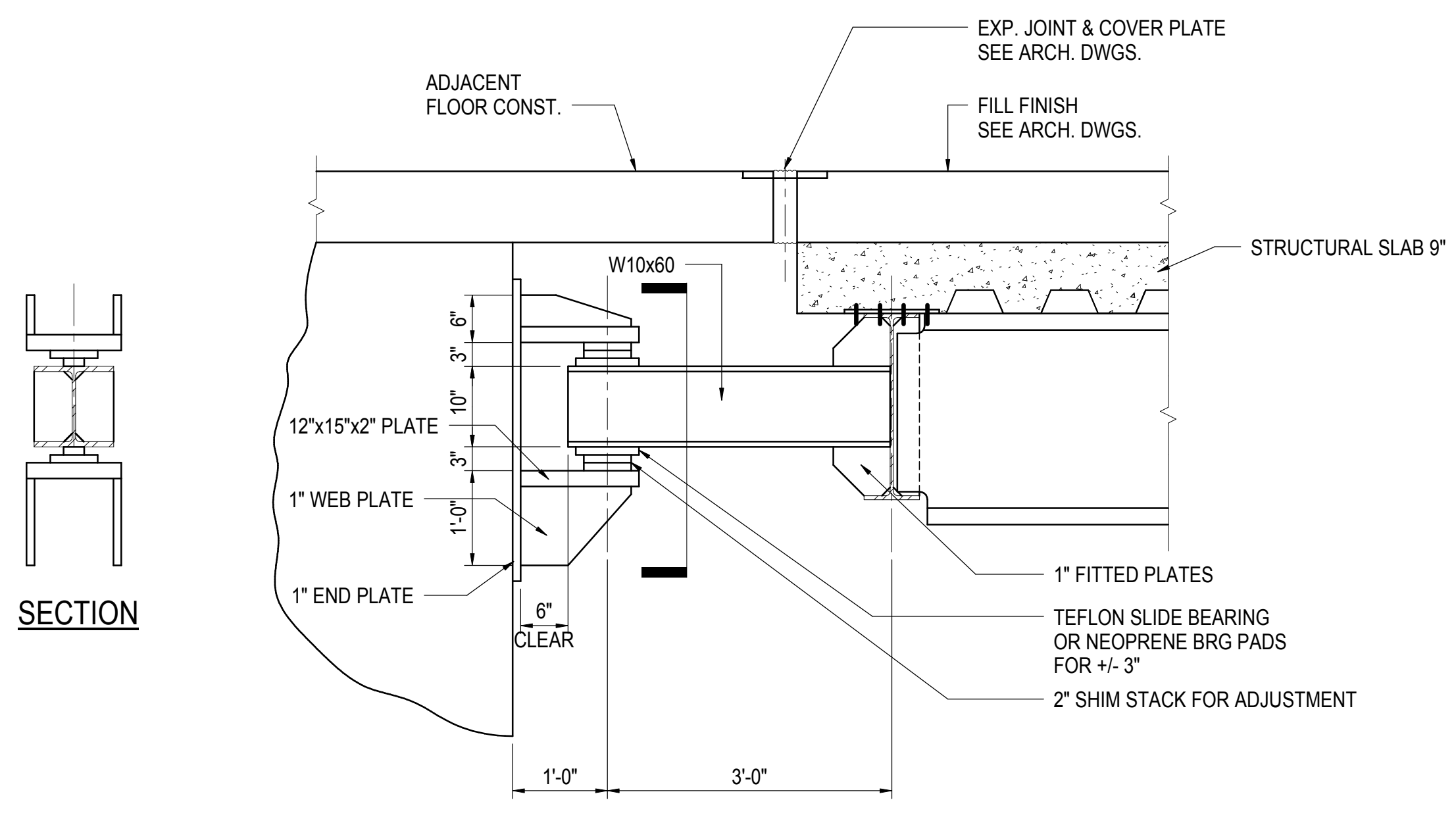
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
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| NYC DOB FILING | 08/20/2012 |

Exp. Plan

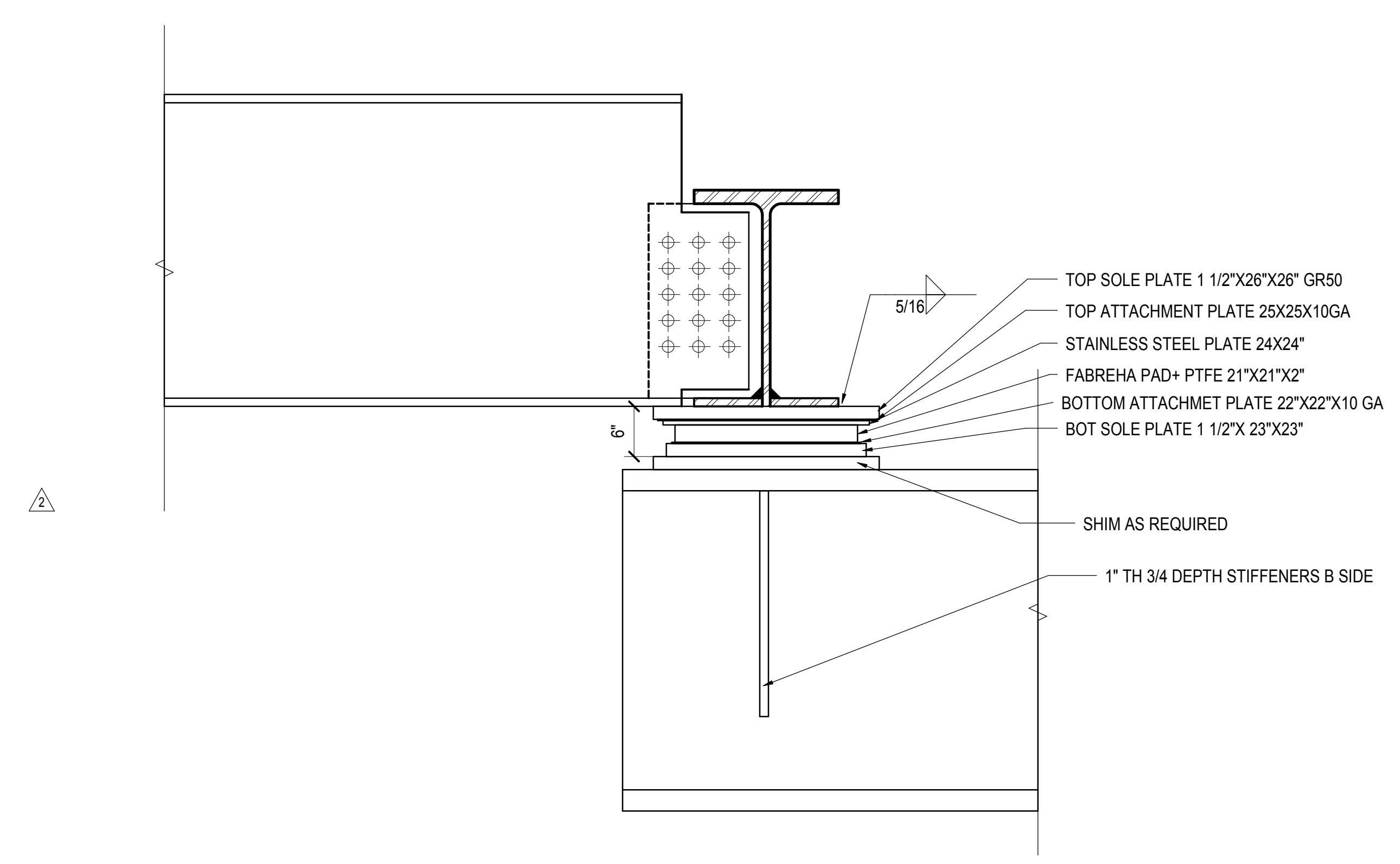
Date: 12/14/2012
Project No: N11330.00
Author: Damian Titus

HYE -PL -S-505.00
Sliding Bearing
DETAILS

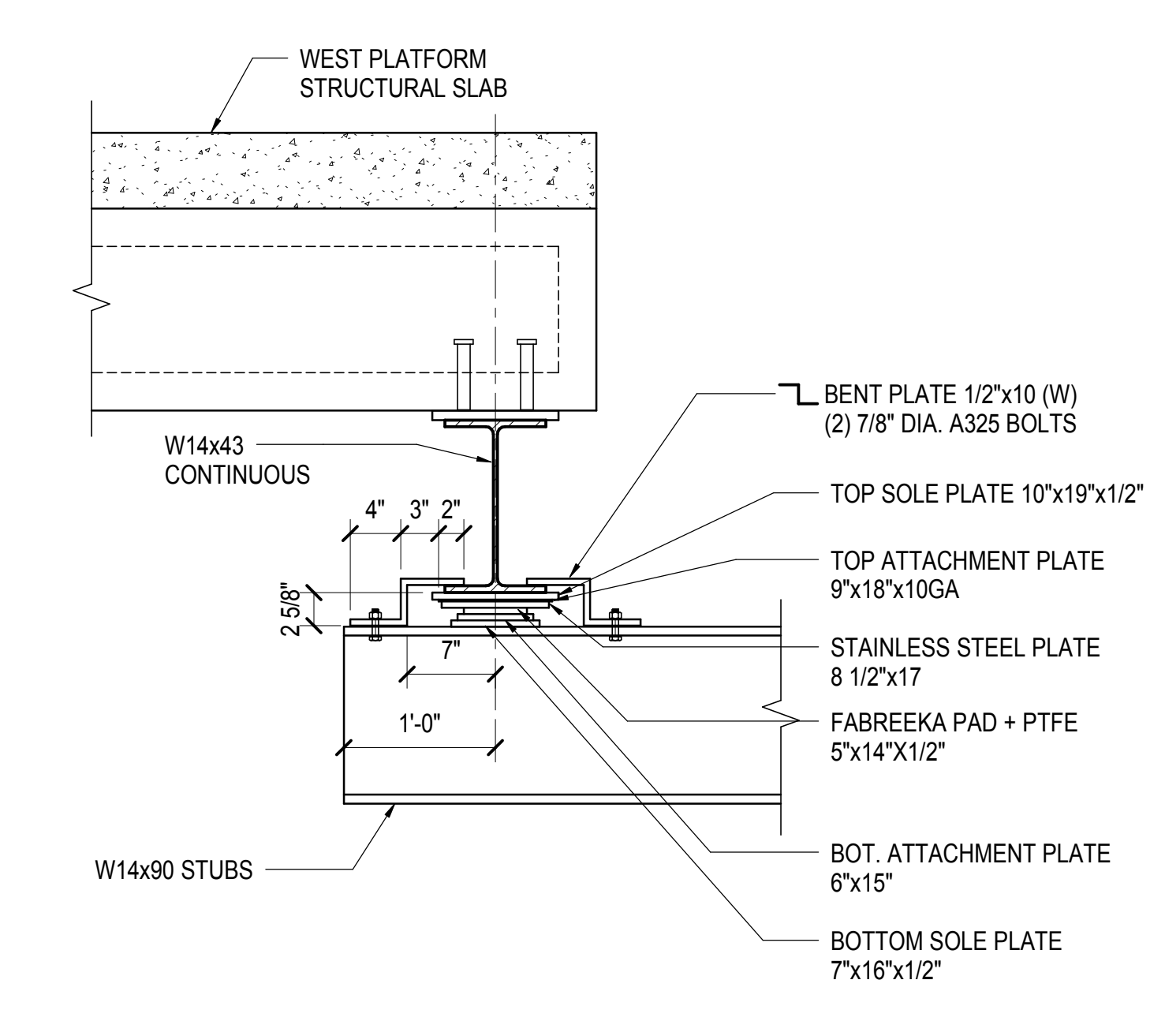
Drawing Number / Revision Drawing Number
S-505.00
SHEET 139 OF 201



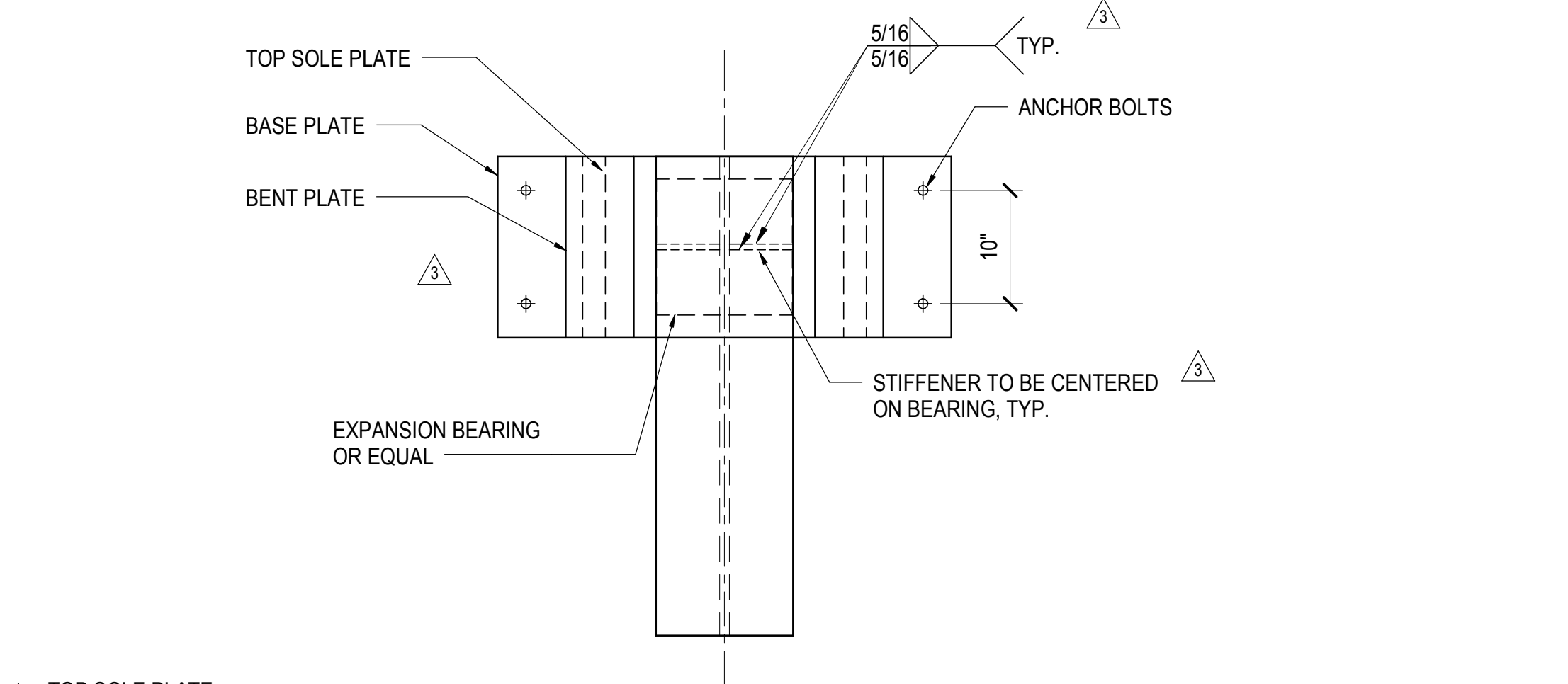
1 TYPE A - ALIGNMENT SLIDE BRG DETAILS (60k CAPACITY)
TYPICAL (15' O.C. TYPICAL OR AS INDICATED ON PLAN)
1" = 1'-0"



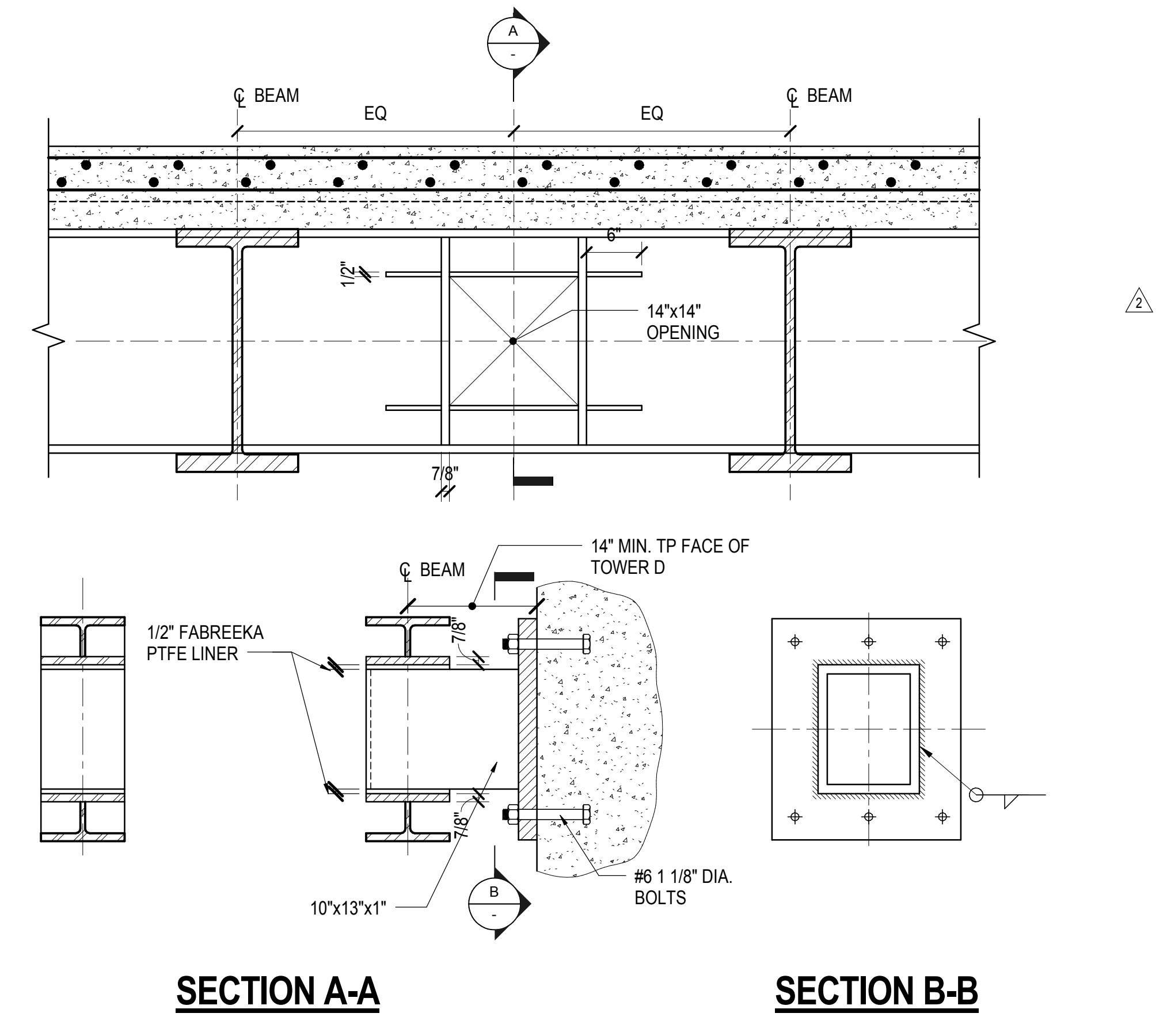
2 EXPANSION BEARING AT A14.8 (680k CAPACITY)
1" = 1'-0"



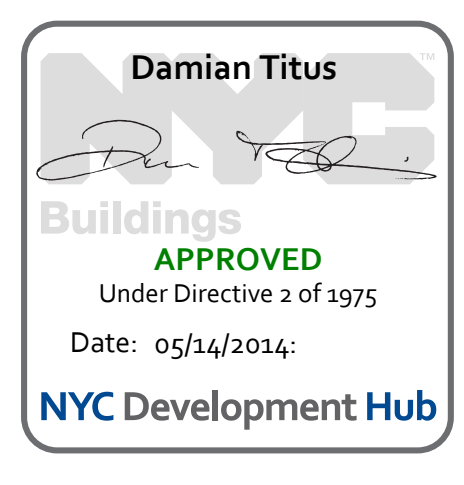
3 TYP. EXPANSION BEARING ALONG GRID A.A (113k CAPACITY)
1" = 1'-0"



4 EXPANSION BEARING AT PG TO PS ALONG GRIDS 1 & 1A (230k CAPACITY)
1" = 1'-0"



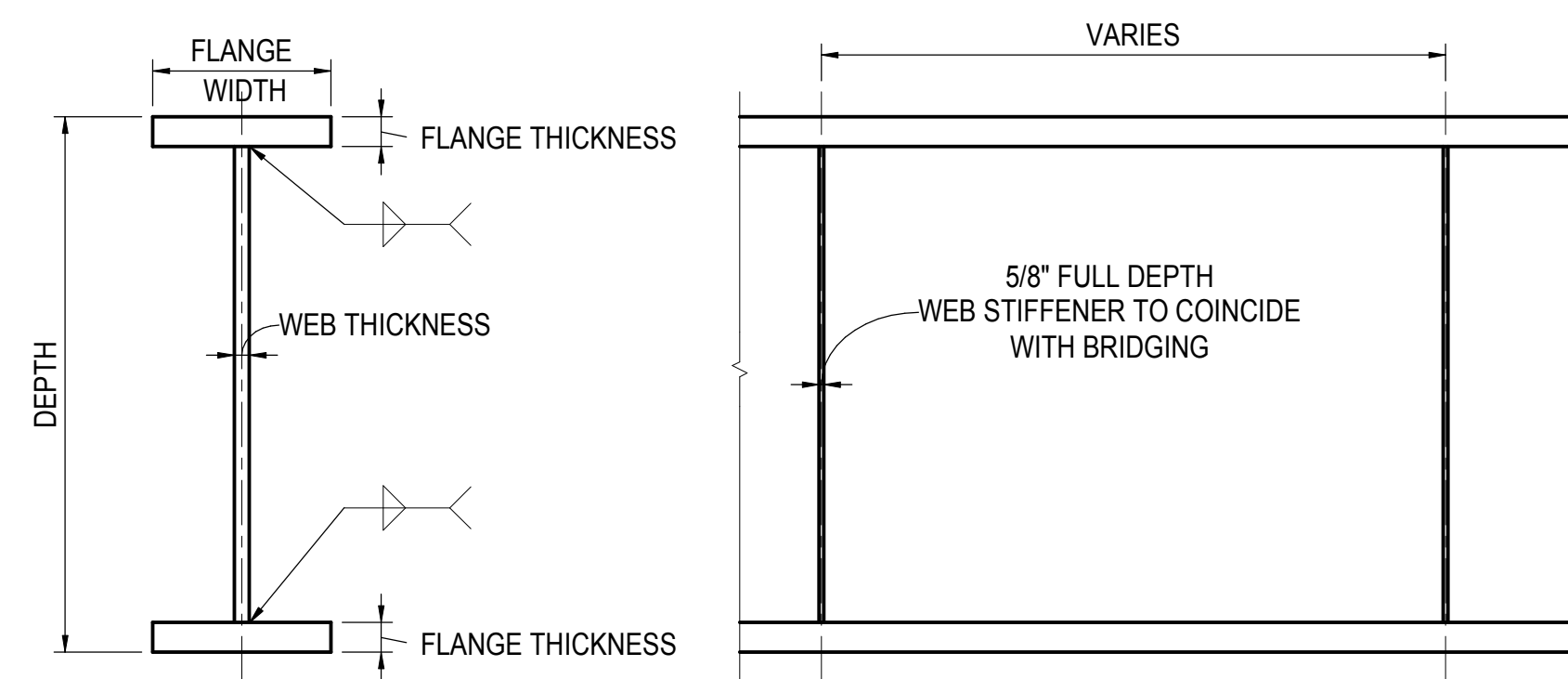
5 ALIGNMENT SLIDE BEARING DETAIL AT TOWER D (SEE PLAN) TYPICAL (350k CAPACITY)
1" = 1'-0"



| TYPICAL PLATFORM PLATE GIRDERS | | | | | | | |
|--------------------------------|---------------|---------------|-------------|--------------------|-----------------------|-------------|---------------------|
| LABEL | DEPTH (IN) | FLANGE | | WEB TH. (IN) | SELFWEIGHT (LB/FT) | Fy (KSI) | FILLET WELD SIZE |
| | | WIDTH (IN) | TH. (IN) | | | | |
| PGW4-1 | 48 | 24 | 1.50 | 0.875 | 380 | 50 | 3/8" |
| PGW4-2 | 48 | 24 | 2.00 | 0.875 | 459 | 50 | 1/2" |
| PGW4-3 | 48 | 24 | 2.50 | 1.00 | 556 | 50 | 1/2" |
| PGW4-4 | 48 | 24 | 3.00 | 1.50 | 706 | 50 | 1/2" |
| PGW4-5 | 48 | 24 | 3.50 | 2.00 | 853 | 50 | 1/2" |
| PGW4-6 | 48 | 24 | 4.00 | 2.50 | 996 | 50 | 1/2" |
| PGW4-7 | 48 | 24 | 4.00 | 4.00 | 1200 | 50 | 1/2" |
| PGW5-1 | 60 | 24 | 1.50 | 1.00 | 440 | 50 | 3/8" |
| PGW5-2 | 60 | 24 | 2.00 | 1.00 | 518 | 50 | 5/8" |
| PGW5-3 | 60 | 24 | 2.50 | 1.00 | 597 | 50 | 3/8" |
| PGW5-4 | 60 | 24 | 3.00 | 1.50 | 767 | 50 | 1/2" |
| PGW5-5 | 60 | 24 | 3.50 | 2.00 | 934 | 50 | 1/2" |
| PGW5-6 | 60 | 24 | 4.00 | 2.50 | 1098 | 50 | 5/8" |
| PGW6-1 | 72 | 24 | 1.50 | 1.375 | 569 | 50 | 3/8" |
| PGW6-2 | 72 | 24 | 2.00 | 1.375 | 646 | 50 | 3/8" |
| PGW6-3 | 72 | 24 | 2.50 | 1.375 | 723 | 50 | 1/2" |
| PGW6-4 | 72 | 24 | 3.00 | 1.50 | 829 | 50 | 1/2" |
| PGW6-5 | 72 | 24 | 3.50 | 2.00 | 1016 | 50 | 1/2" |
| PGW6-6 | 72 | 24 | 4.00 | 2.50 | 1200 | 50 | 1/2" |
| PGW6-7 | 72 | 24 | 4.00 | 4.00 | 1528 | 50 | 1/2" |
| PGW6-1* | 60 | 24 | 1.50 | 0.875 | 416 | 50 | 3/8" |
| PGW6-2* | 60 | 24 | 2.00 | 0.875 | 494 | 50 | 3/8" |
| PGW6-3* | 60 | 24 | 2.50 | 1.00 | 597 | 50 | 1/2" |
| PGW6-4* | 60 | 24 | 3.00 | 1.50 | 767 | 50 | 1/2" |
| PGW6-5* | 60 | 24 | 3.50 | 2.00 | 934 | 50 | 3/4" |
| PGW6-6* | 60 | 24 | 4.00 | 2.50 | 1098 | 50 | 3/4" |
| PGW6-7* | 60 | 24 | 4.00 | 4.00 | 1364 | 50 | 3/4" |

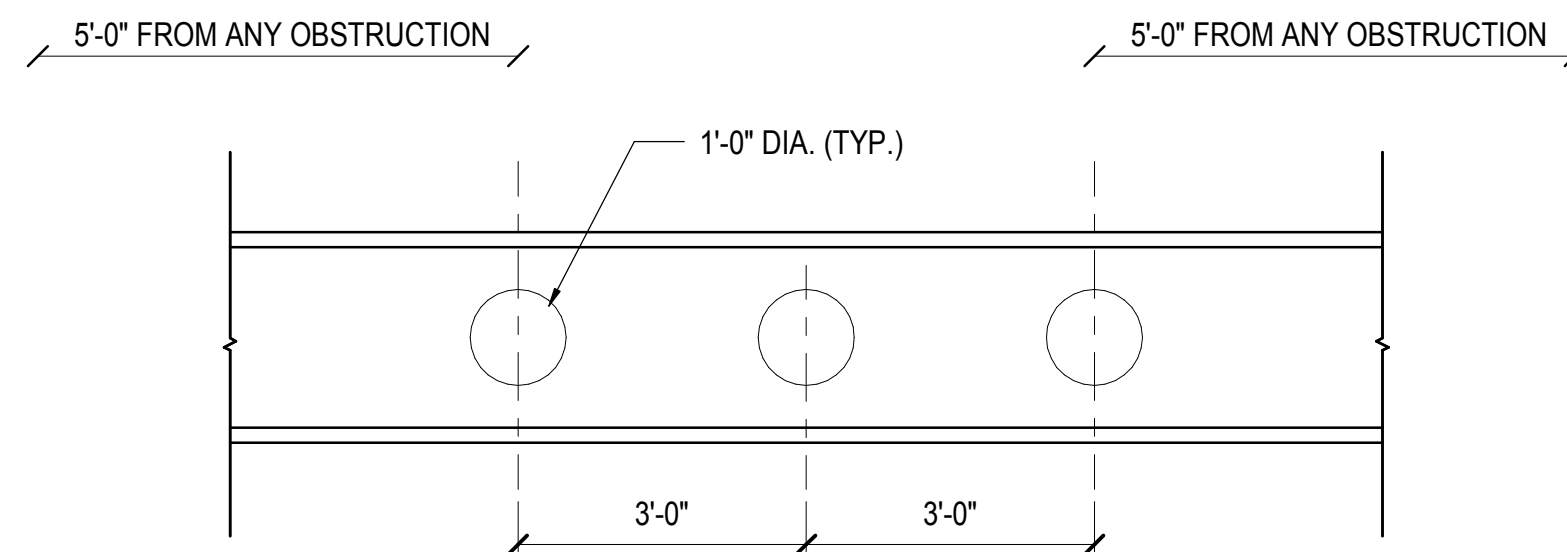
* TAPERED BEAMS FROM 6' DEEP TO 4' DEEP
(SHOWING AVERAGE DEPTH AND SELFWEIGHT)

△



NOTE: 1. SEE PLATE GIRDER CHART FOR PLATE THICKNESS

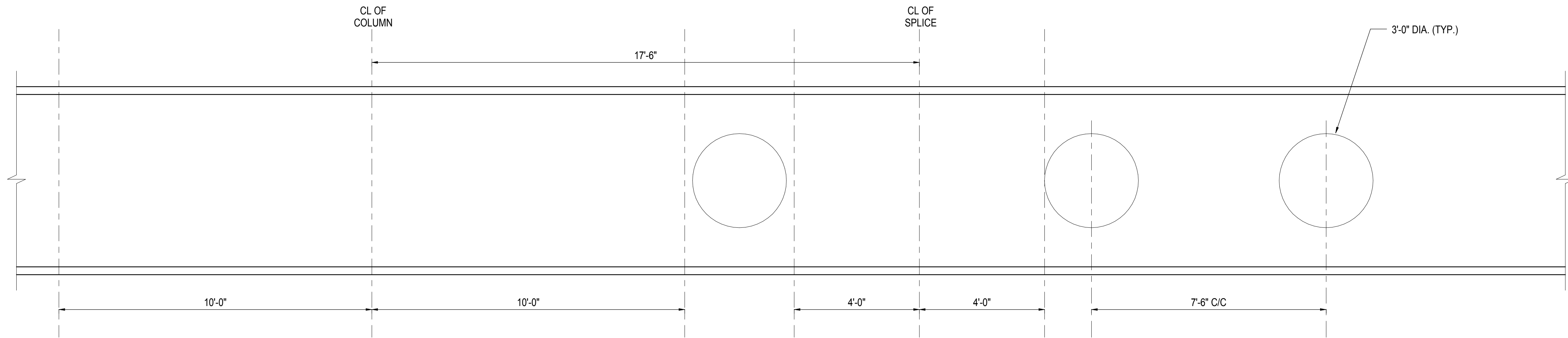
2 TYPICAL PLATE GIRDER DETAIL
1/2" = 1'-0"



NOTE: TYPICAL ON WIDE FLANGE BEAMS. BETWEEN COLUMNS PG8, PG9 AND PG9, PG9. BETWEEN COLUMNS PG8, PG8 AND PG10, PG11. BETWEEN COLUMNS PG9, PG9 AND PG11, PG11. FINAL POSITION TO BE CONFIRMED FOLLOWING MECHANICAL MODELING.

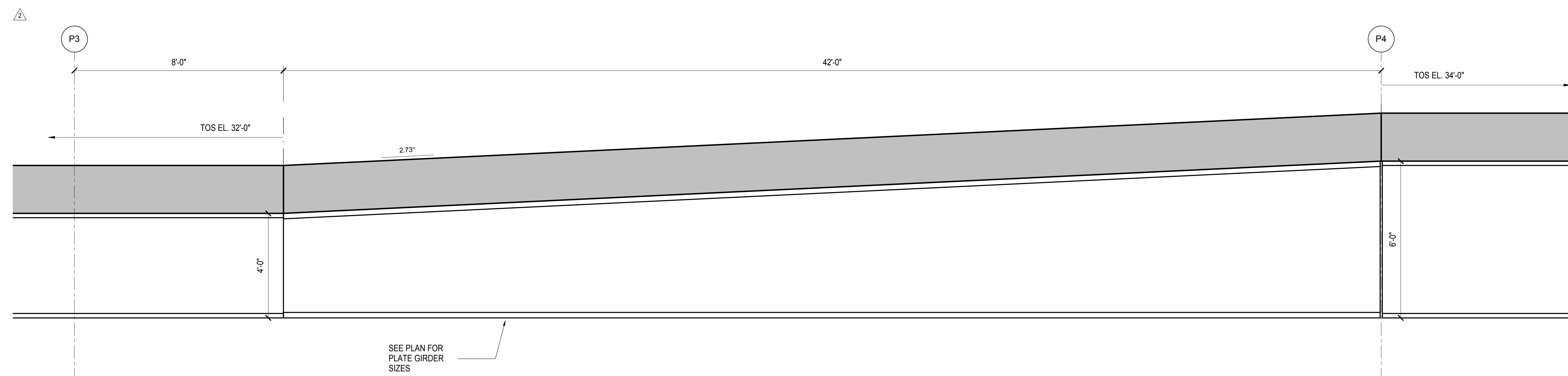
3 TYPICAL DENSE GRID FRAMING OPENINGS
1/2" = 1'-0"

1 TYPICAL PLATFORM PLATE GIRDER SCHEDULE
1" = 72"



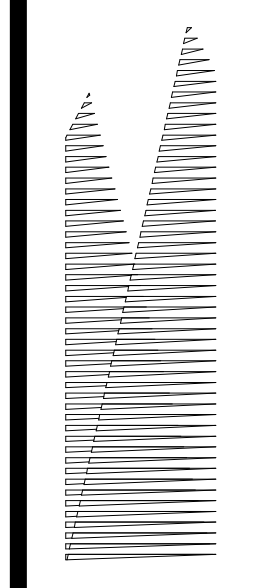
NOTE: FOR ALL NORTH-SOUTH PLATE GIRDERS, ON ALL THE GRIDLINES EXCEPT PC, ALLOW FOR 3'-0" DIAMETER OPENINGS AT 7'-6" CENTERS, EXCLUDING 10'-0" EITHER SIDE OF COLUMNS AND 4'-0" EITHER SIDE OF SPLICES. FINAL POSITION TO BE CONFIRMED FOLLOWING MECHANICAL MODELING.

4 TYPICAL PLATE GIRDER OPENINGS
1/2" = 1'-0"



NOTE: TAPERING REFERENCES TYPICAL FOR PLATE GIRDERS ON GRIDLINES FROM PG TO PR BETWEEN GRIDLINE P3 AND P4. ALL OTHER TAPERED GIRDERS ARE SIMPLY TAPERED FROM END TO END.

5 TYPICAL TAPERED GIRDER
1/2" = 1'-0"



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

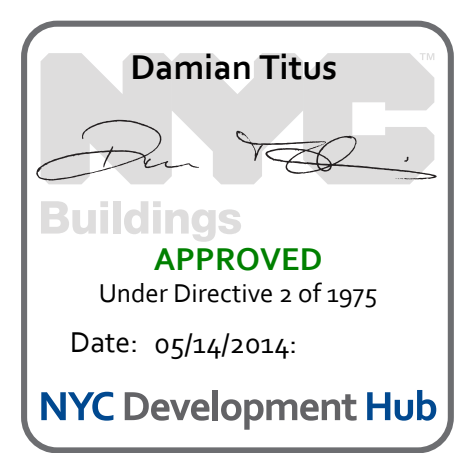
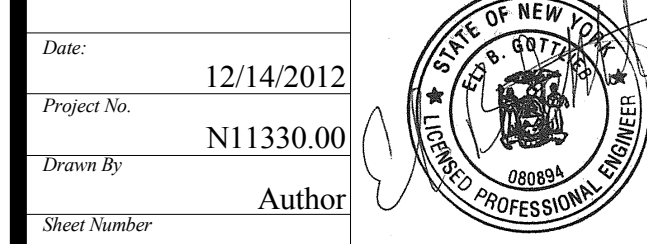
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

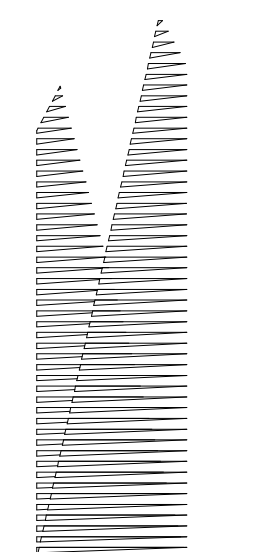
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| NYC DOB FILING | Date |
|-------------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&U - PLATFORM SUBMISSION | 11/22/2013 |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
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| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 1/10/2013 |



Date: 12/14/2012
Project No: N11330.00
Author: Damian Titus
HYE - PL - S-511.00
Drawing Title: WEST PLATFORM PLATE GIRDER SCHEDULES & DETAILS
Drawing Number / Revision Drawing Number: S-511.00



Client
Related Companies
60 Columbus Circle
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Officed Properties Group
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New York, NY 10022
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Construction Manager
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New York, NY 10017
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PC Architects & Planning Consultants
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Structural Engineer
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51 Madison Avenue
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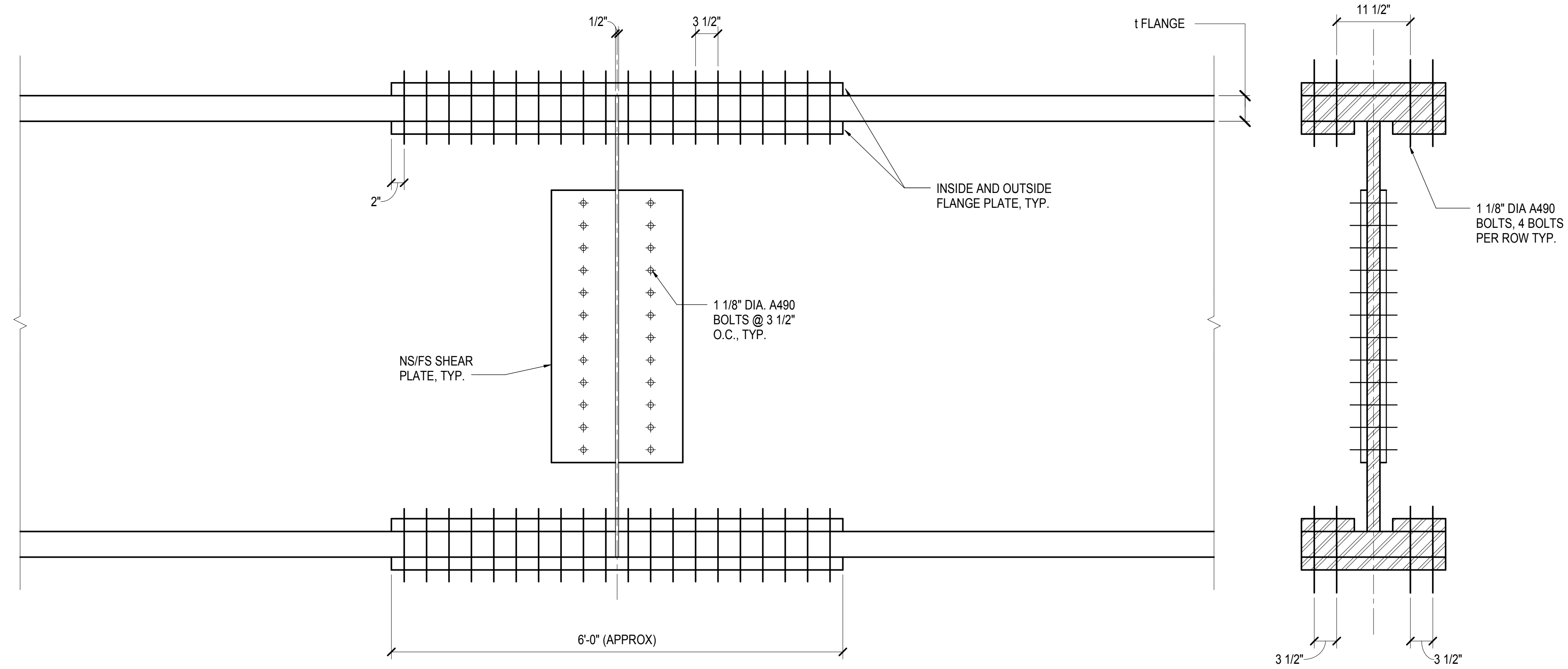
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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LIRR Ventilation
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LIRR Substation
AJECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973-9200 Fax: 212.682.6172

| NYC DOB FILING | Date |
|------------------------------------|------------|
| L.I.R.R. - PRE-FINAL SUBMISSION | 12/4/2013 |
| M&T - PLATFORM SUBMISSION | 11/22/2013 |
| A - DL02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A - DL01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 08/20/2012 |

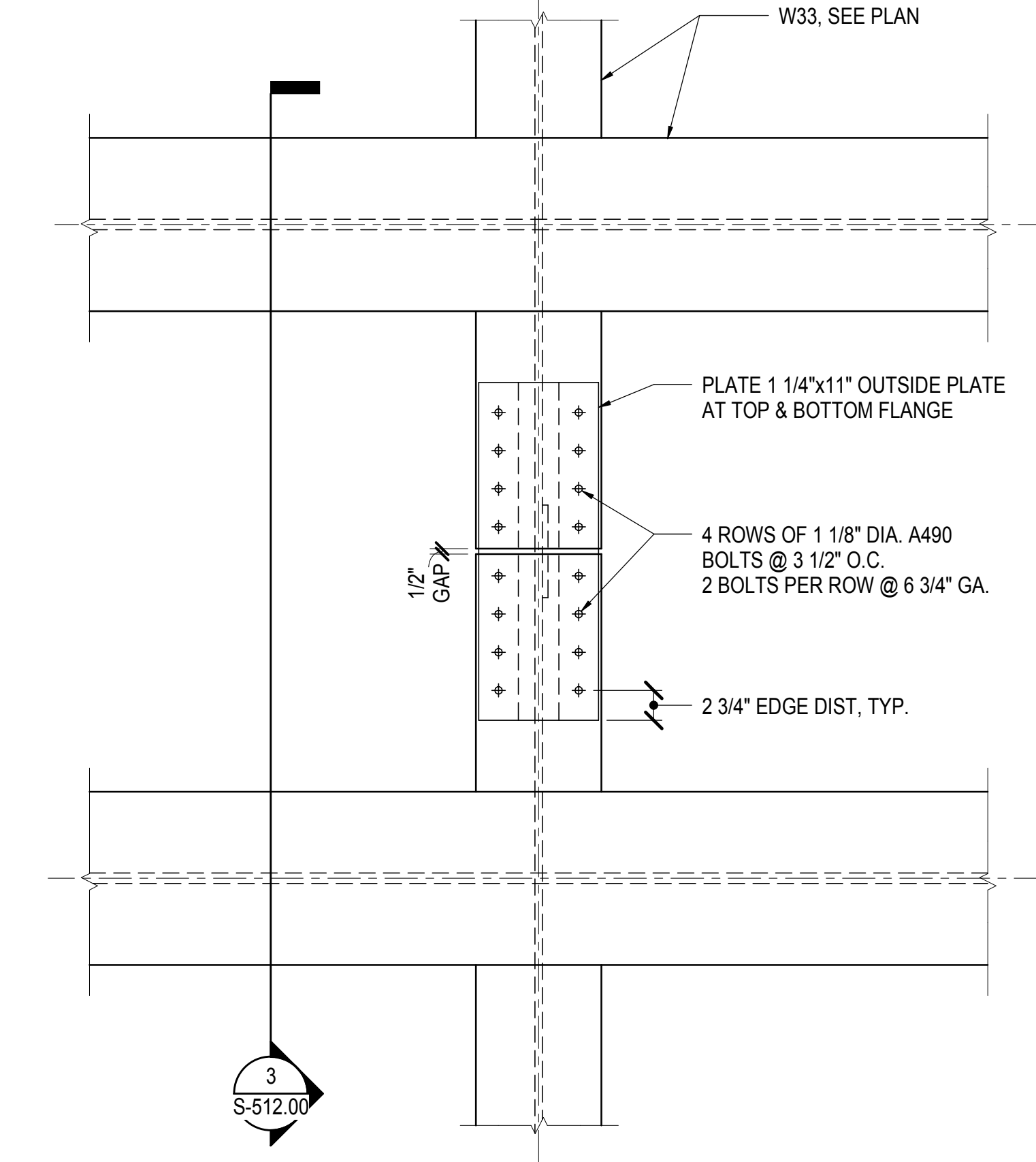
For Plot



NOTE: 1. INDICATIVE - PLATE SIZE, BOLT SIZE, NUMBER AND SPACING TO BE CONFIRMED ON LOCATION BY LOCATION BASIS.

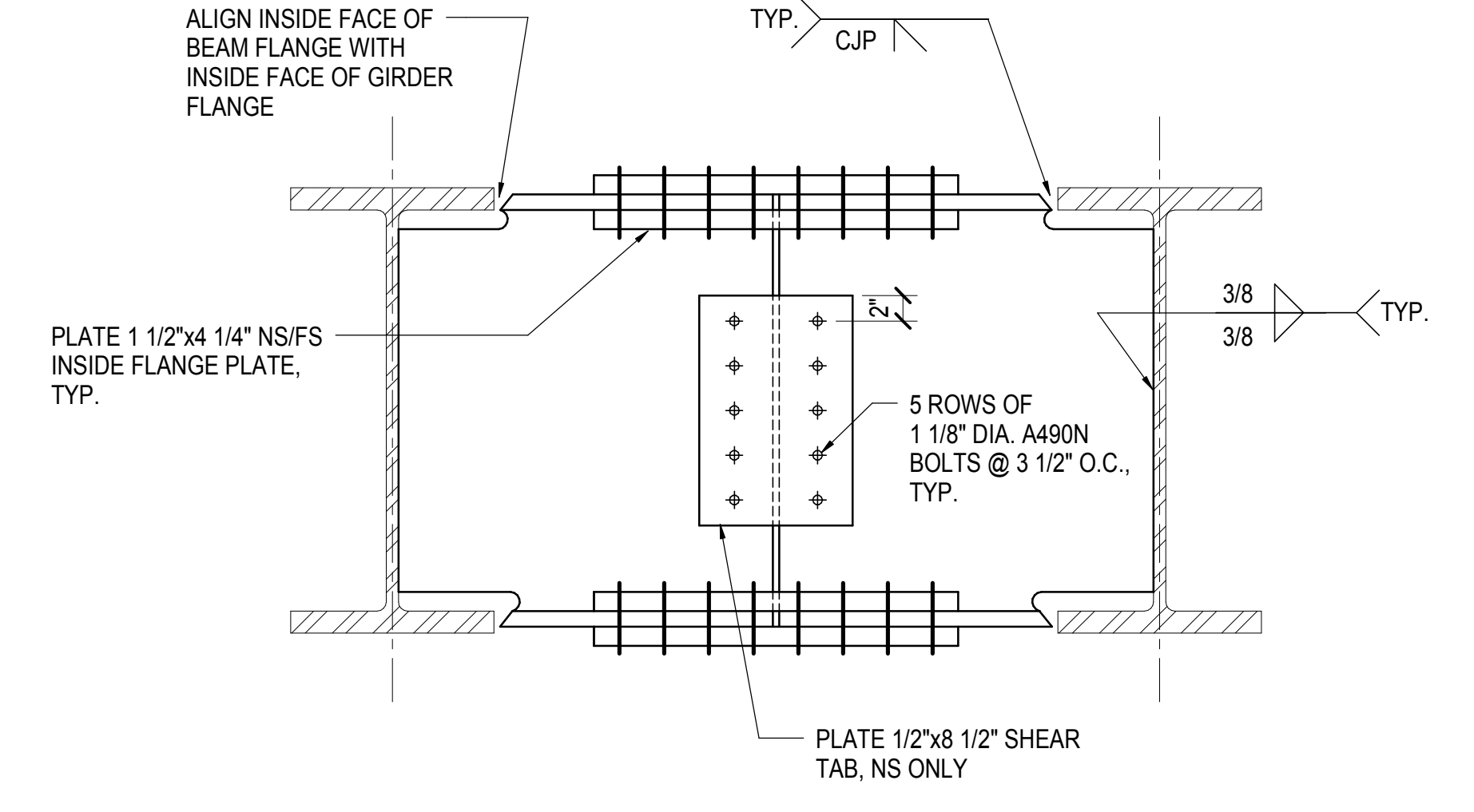
1 TYPICAL PLATE GIRDER SPLICE DETAIL

1" = 1'-0"



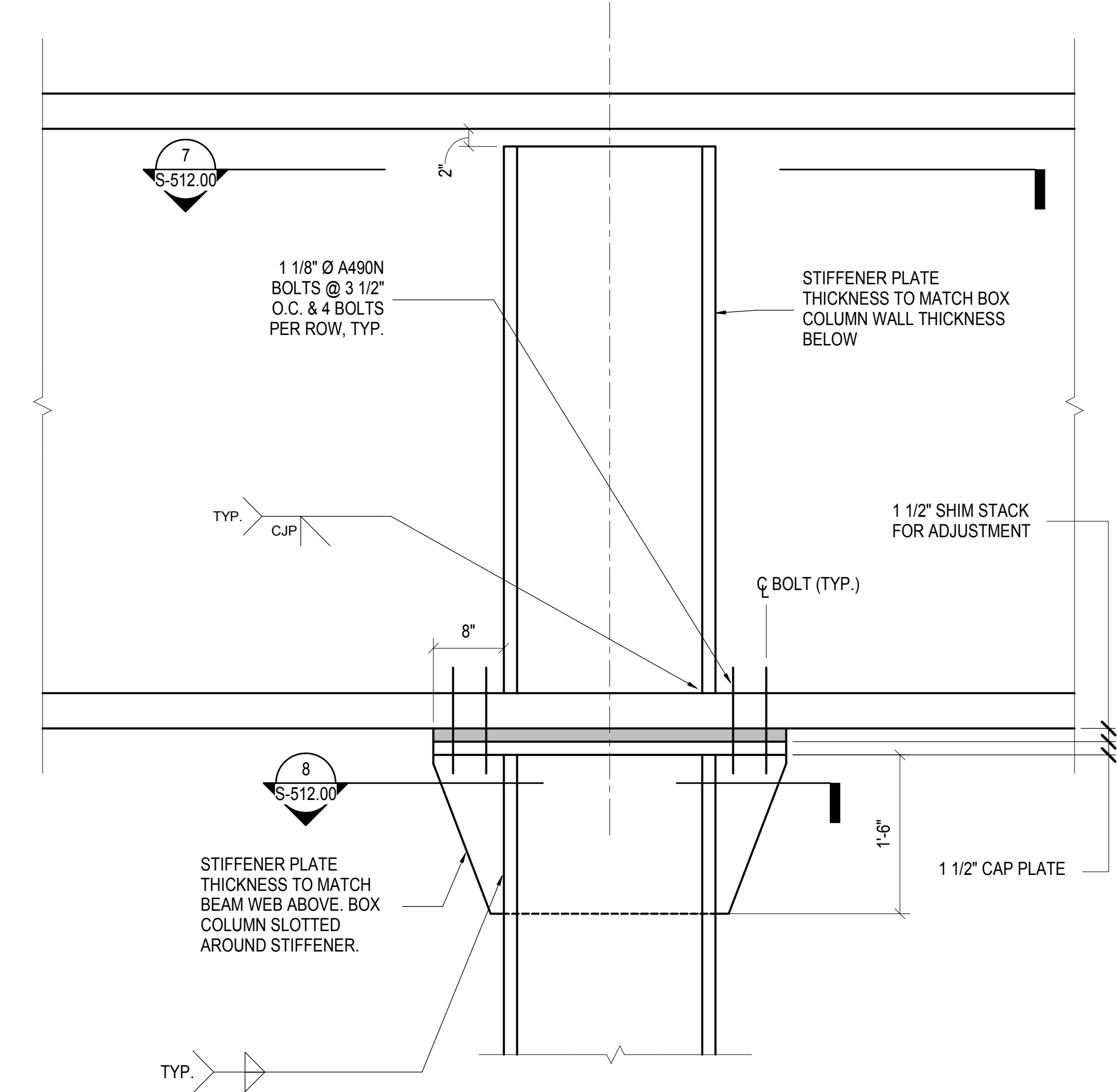
2 BEAM TO BEAM BRIDGING MOMENT CONNECTION DETAIL IN WEST GRID

1" = 1'-0"



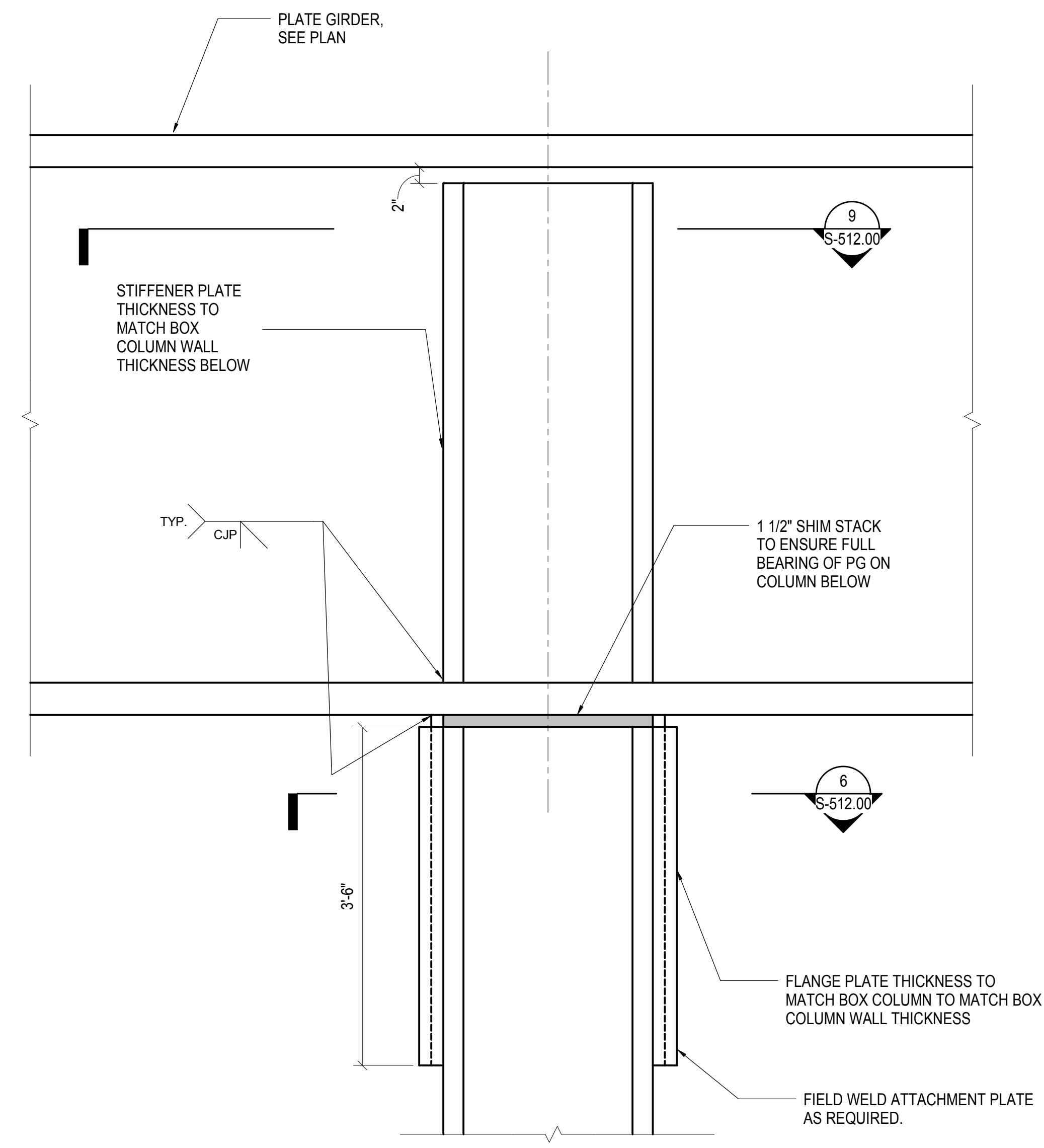
3 SECTION

1" = 1'-0"



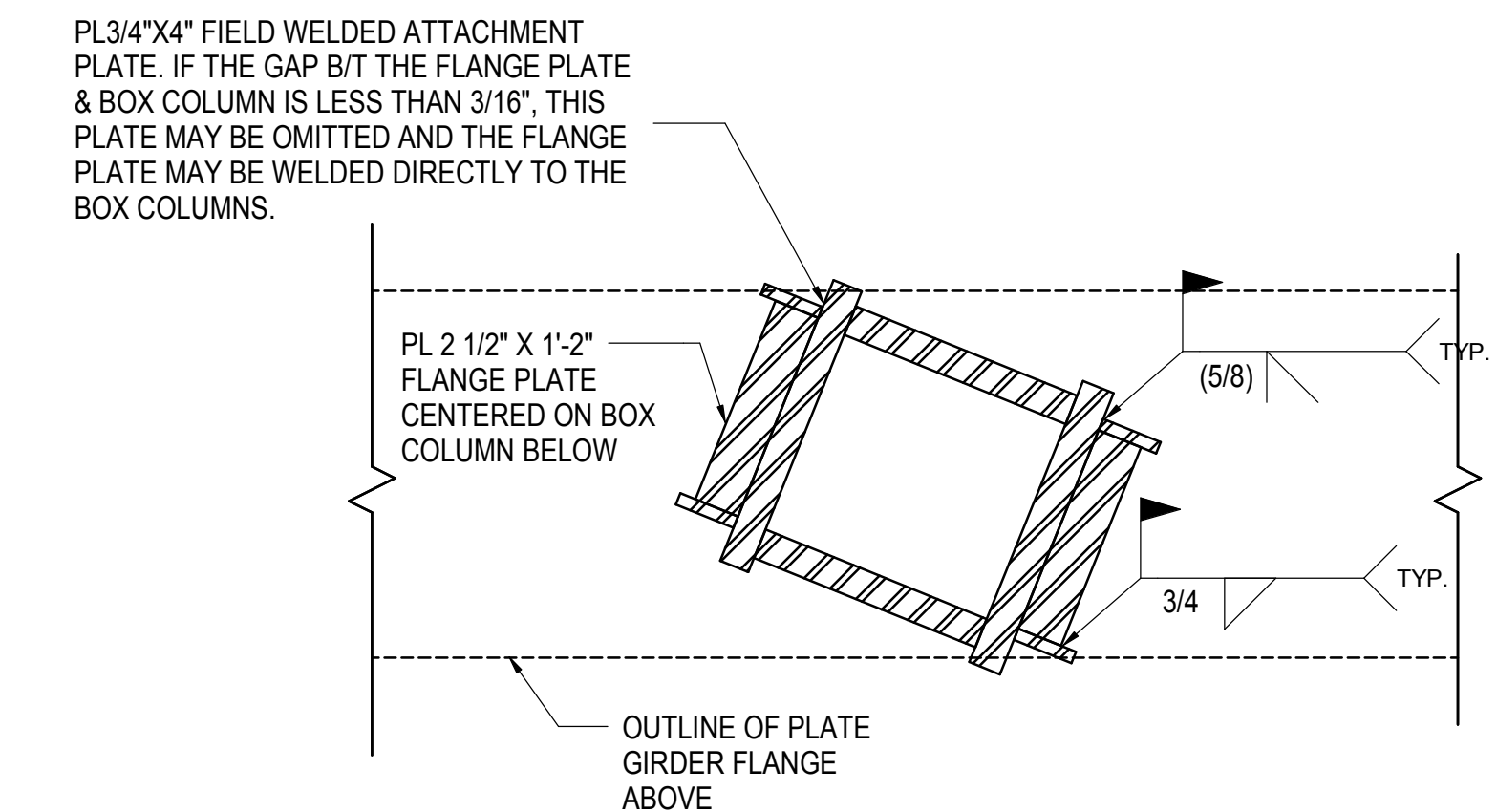
4 TYPICAL COLUMN HEAD DETAIL

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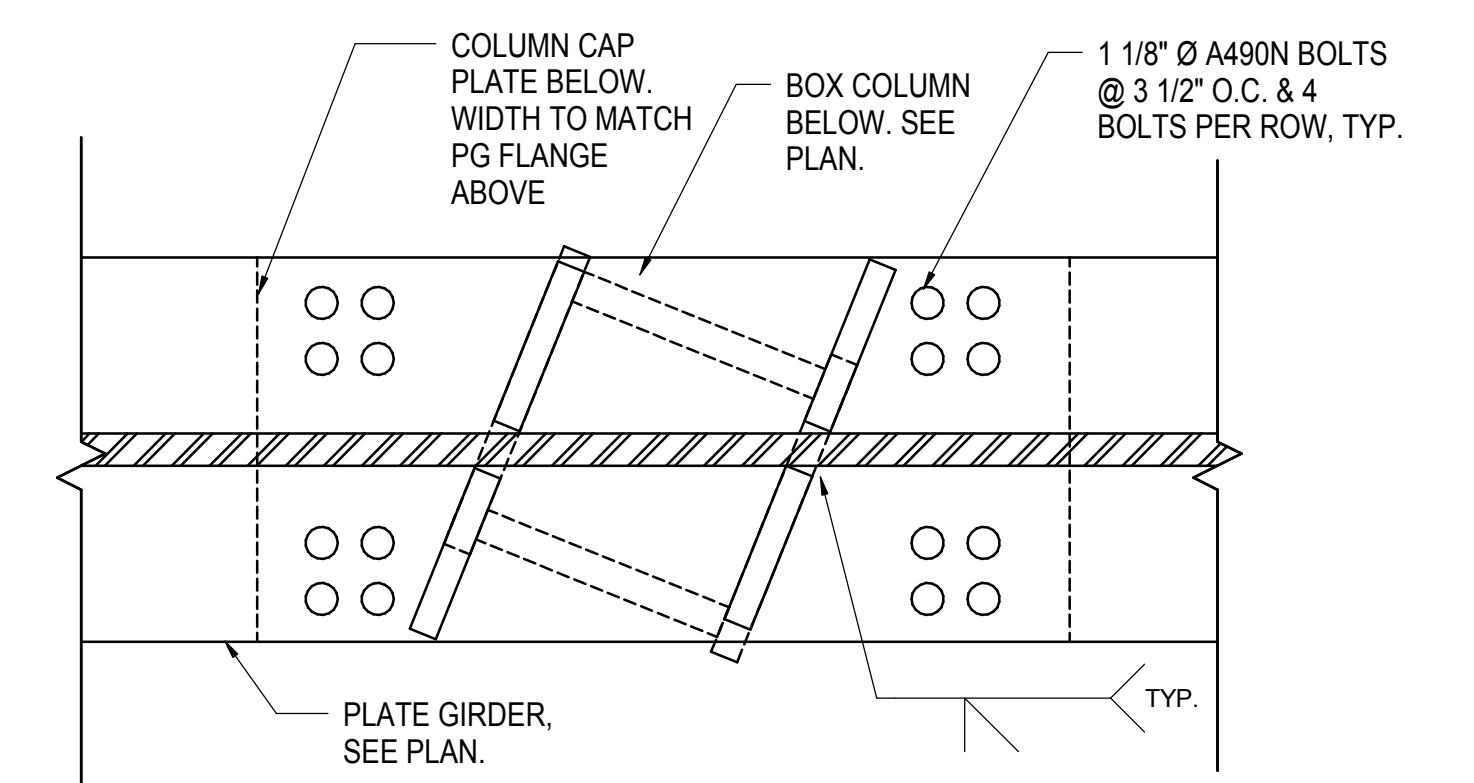
5/S-512.00 - TYPICAL COLUMN HEAD DETAIL AT HIGH MOMENT TRANSFER

1" = 1'-0"



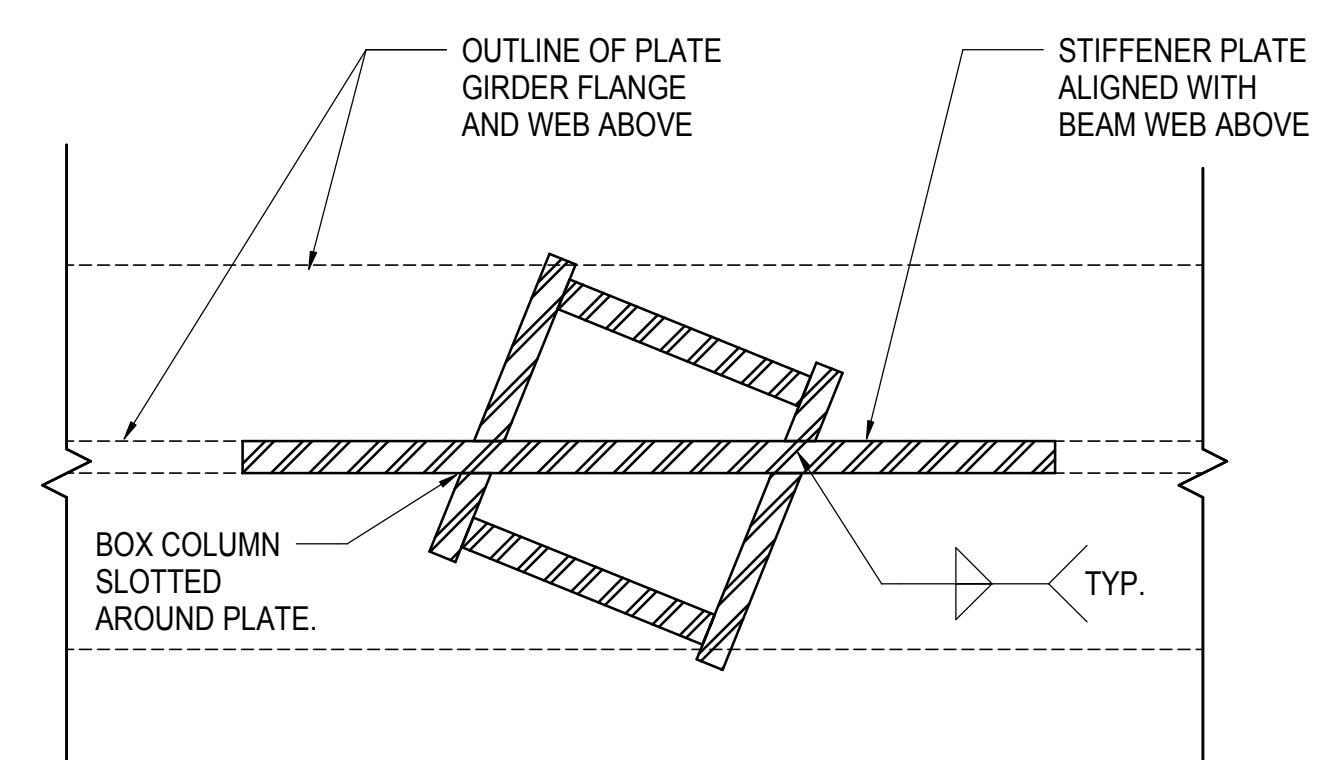
6 SECTION AT PG TO COLUMN FLANGE PLATE DETAIL

1" = 1'-0"



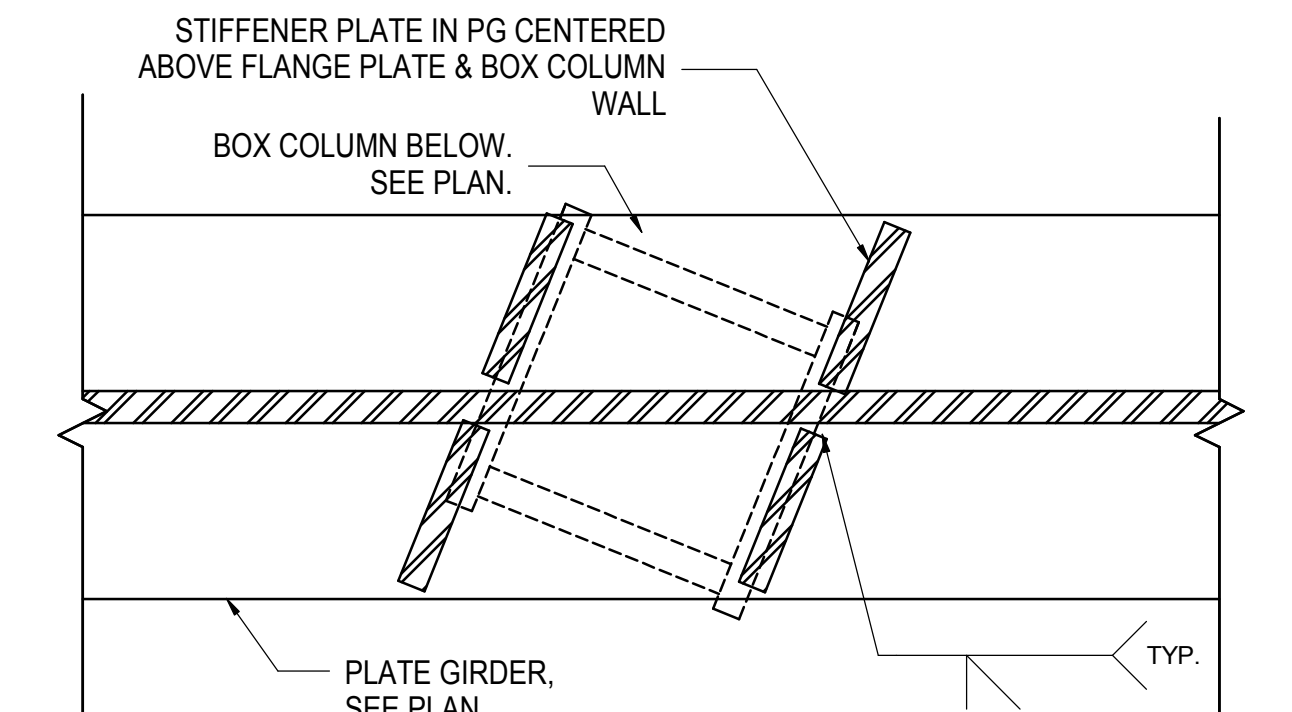
7 SECTION AT PLATE GIRDER OVER TYPICAL COLUMN

1" = 1'-0"



SECTION AT STIFFNER IN COLUMN BELOW PLATE GIRDER

1" = 1'-0"

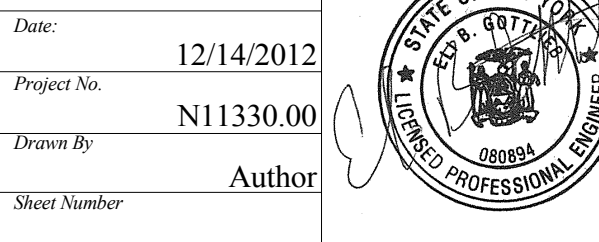


SECTION IN PLATE GIRDER AT FLANGE PLATE DETAIL

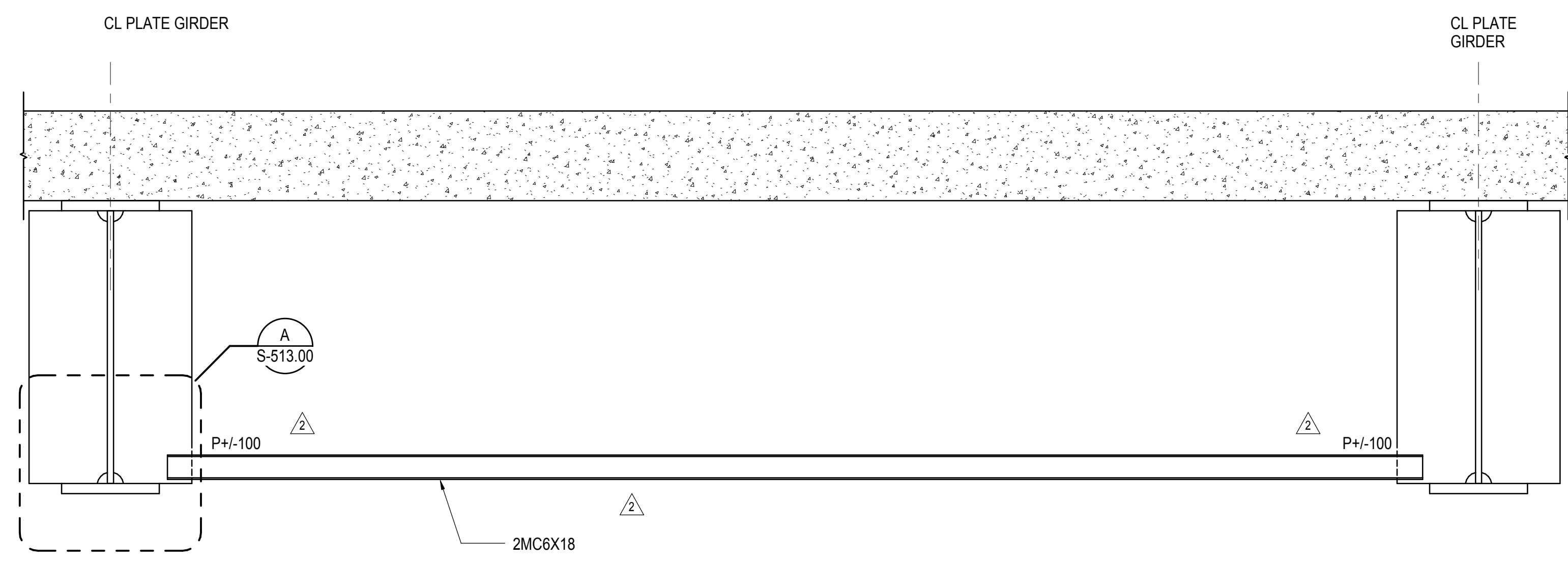
1" = 1'-0"

Damian Titus

Building APPROVED
 Under Directive 3 of 1975
 Date: 05/14/2014
 NYC Development Hub



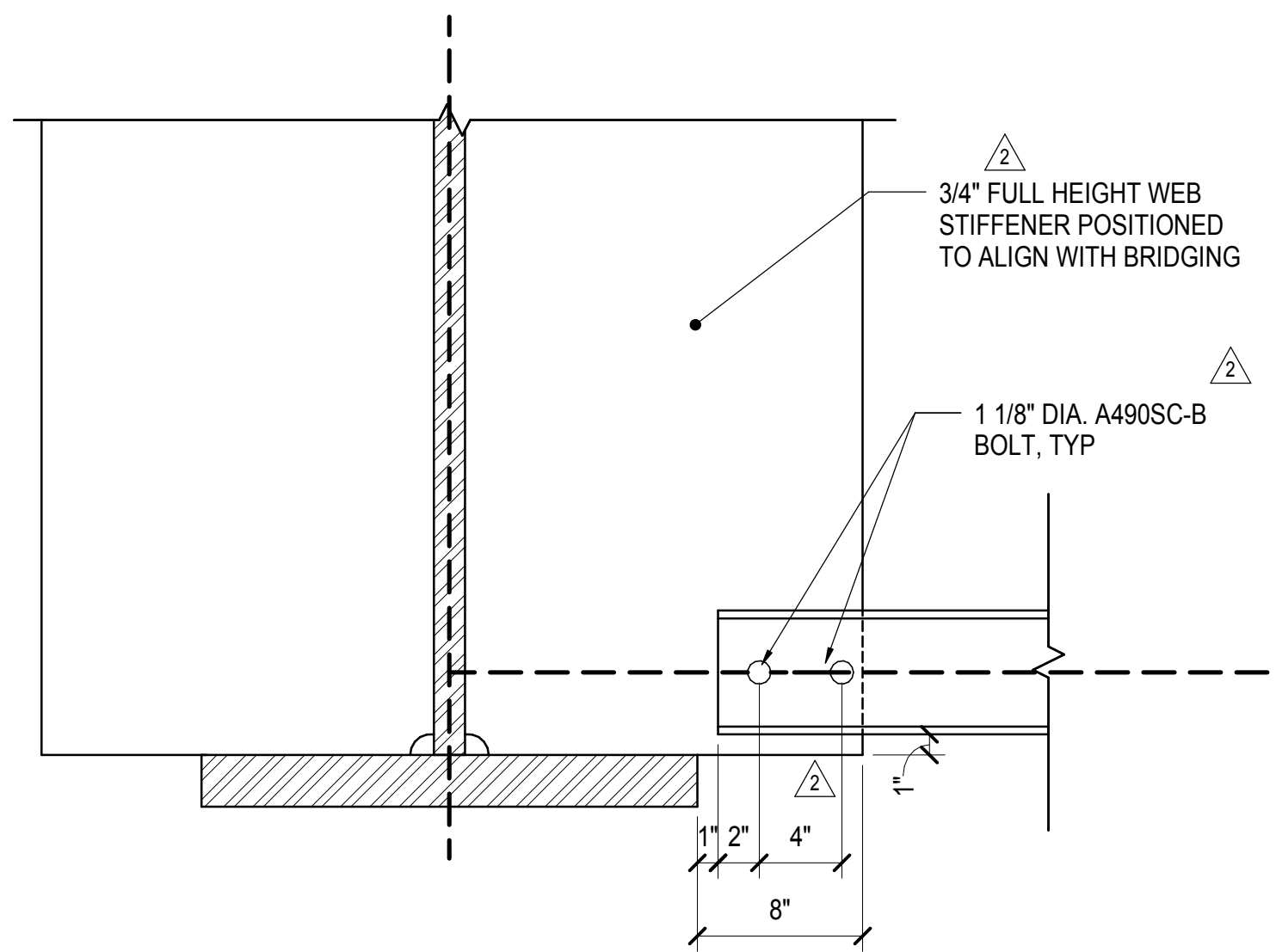
HYE - PL - S-512.00
 WEST PLATFORM PLATE GIRDERS AND BEAMS



NOTE: REFER TO DRAWING S-131.00 TO S-139.00 FOR BRIDGING LAYOUT

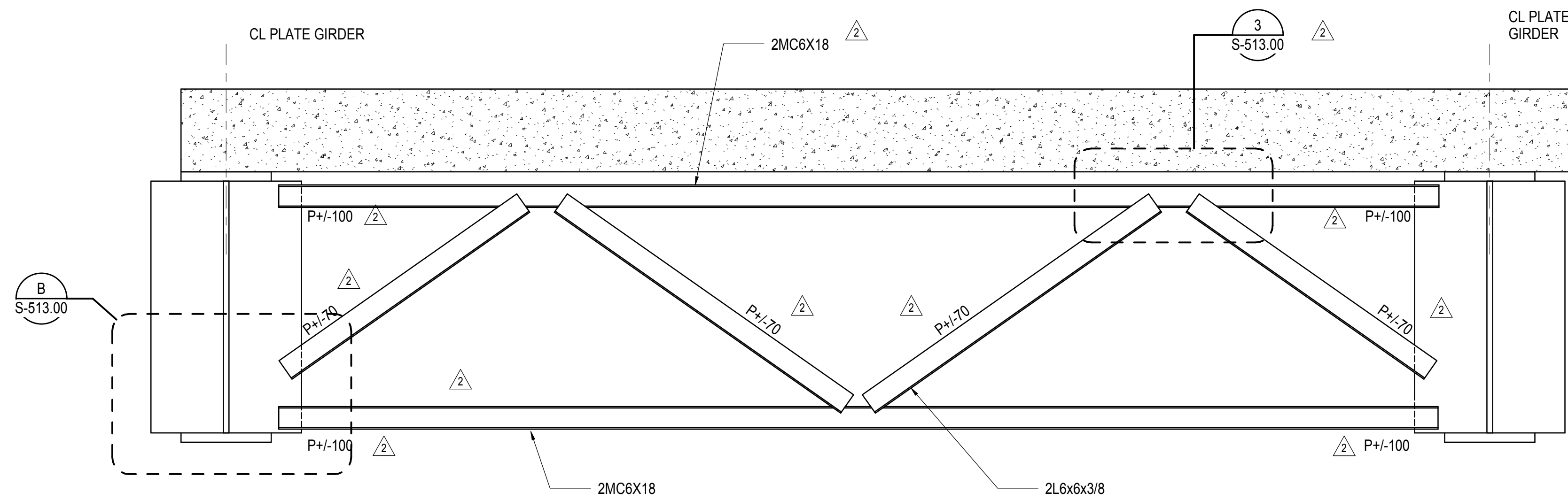
1 TYPICAL BRIDGING BR1 SECTION AND DETAIL

1/2" = 1'-0"



A SECTION

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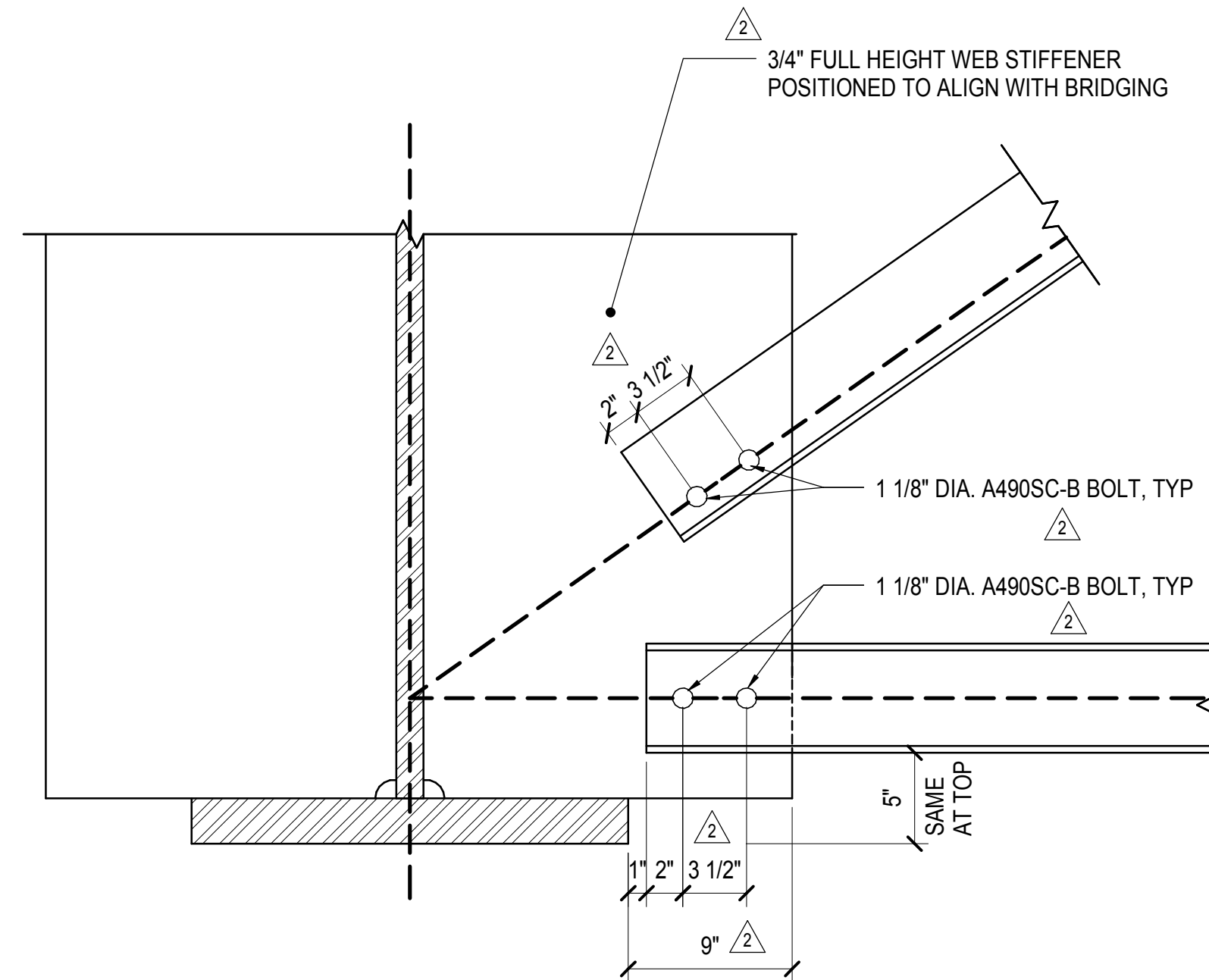


NOTES:

- REFER TO DRAWING S-131.00 TO S-139.00 FOR BRIDGING LAYOUT
- LAYOUT BASED ON ASSUMED CONSTRUCTION SEQUENCE AND SUBJECT TO MODIFICATION BASED ON CONTRACTORS FINAL CHOSEN SEQUENCE.

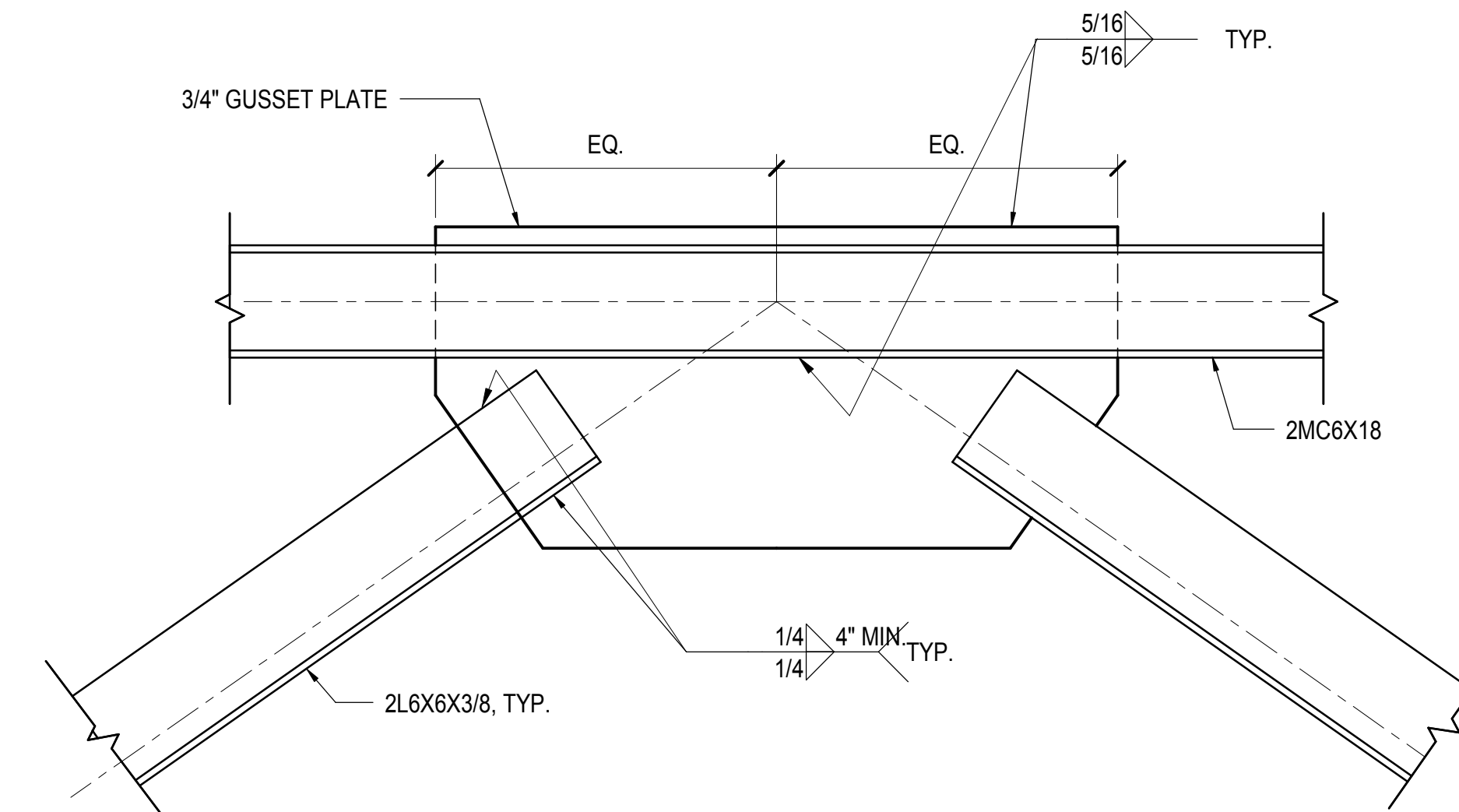
2 END BAY BRIDGING BR2 SECTION AND DETAIL

1/2" = 1'-0"



B SECTION

NOT TO SCALE

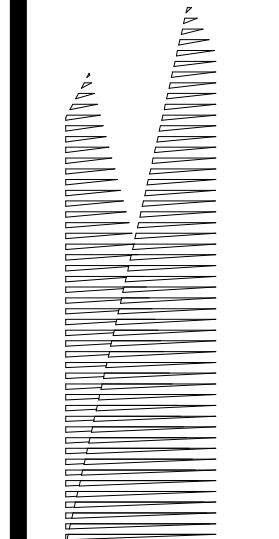


3 BRIDGING TRUSS WELDED GUSSET PLATE DETAIL

1 1/2" = 1'-0"

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| No. | Description | Date |
|-----|--------------------------------|------------|
| 1 | NYC DOB FILING | 12/4/2013 |
| 2 | L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| 3 | M&T - PLATFORM SUBMISSION | |
| 4 | DL62 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| 5 | NYC DOB FILING | 10/4/2013 |
| 6 | DL61 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| 7 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
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| 9 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 10 | L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| 11 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

Rev. Plot

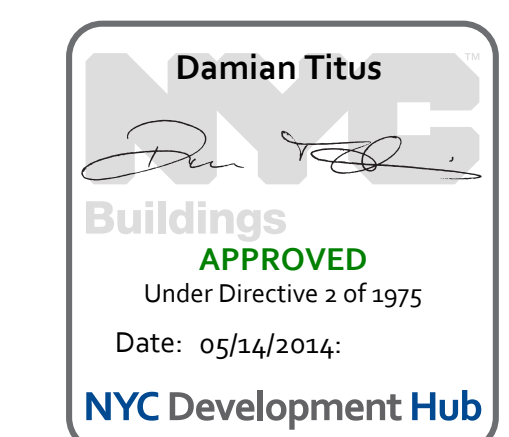
Date: 12/14/2012
Project No: N11330.00
Drawn By: Author
Sheet Number: 142

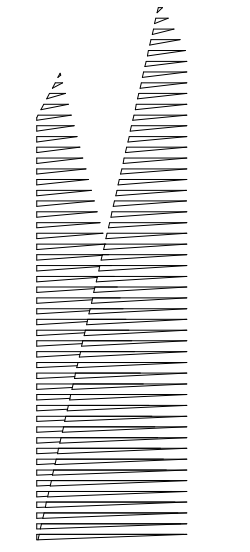
HYE - PL - S-513.00

BRIDGING SECTIONS AND DETAILS

Drawing Number / B/S/C/N Drawing Number
S-513.00

SHEET 142 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

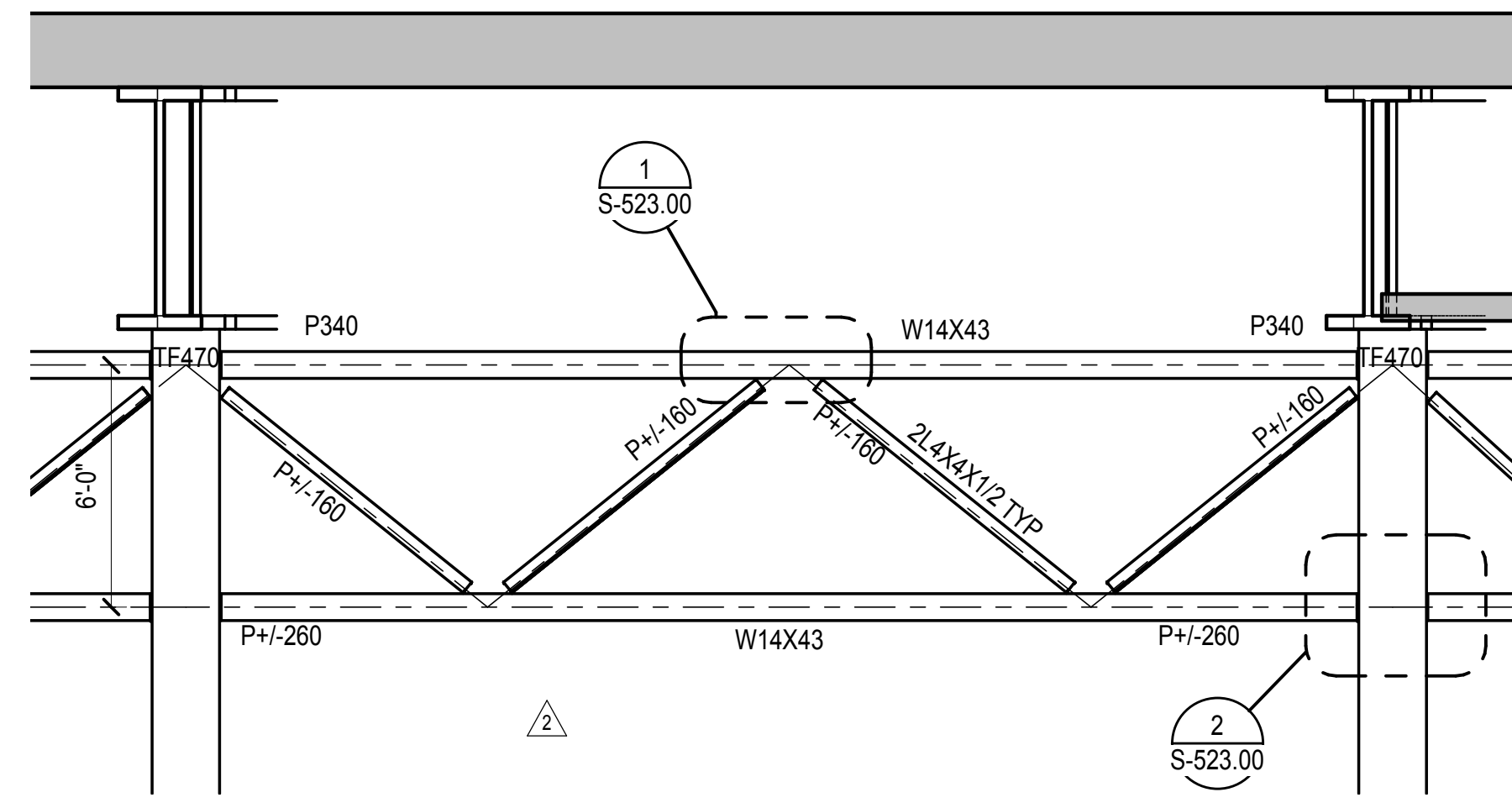
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

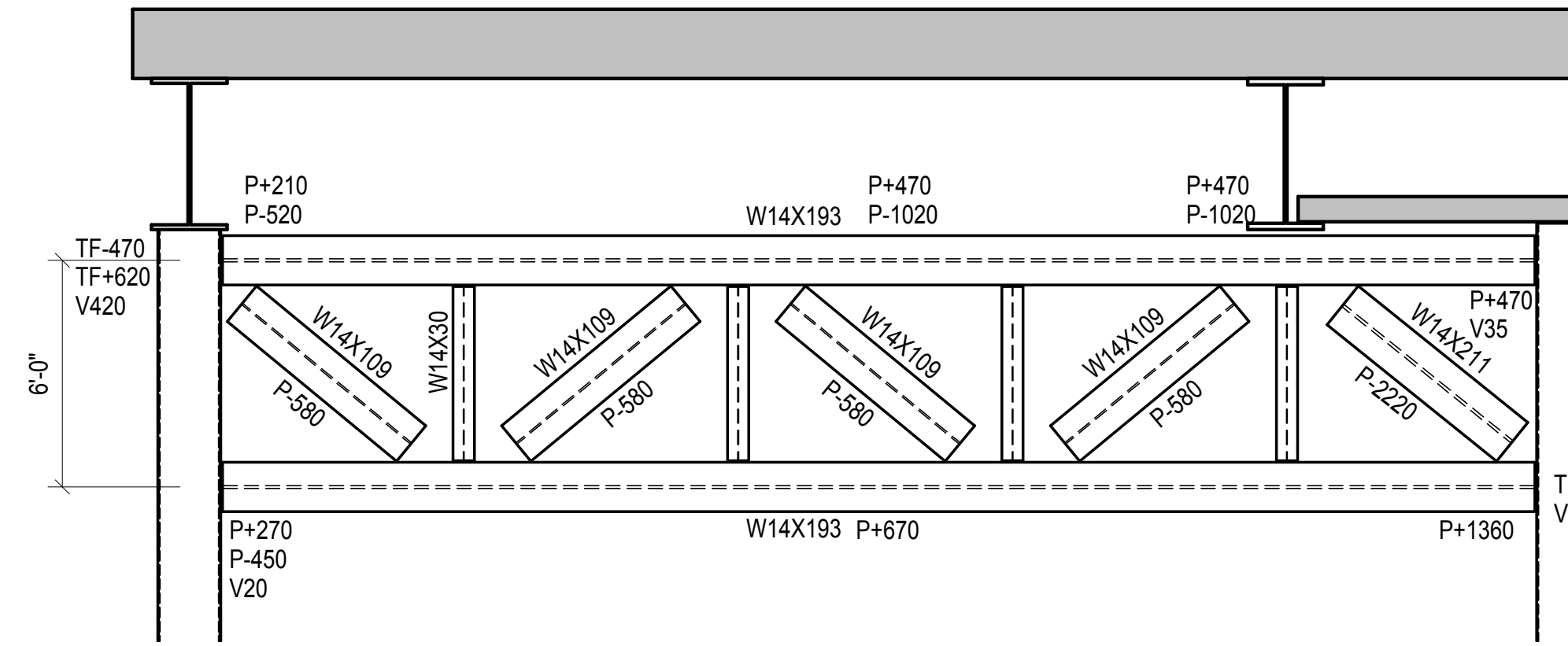
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
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Ove Arup & Partners P.C.
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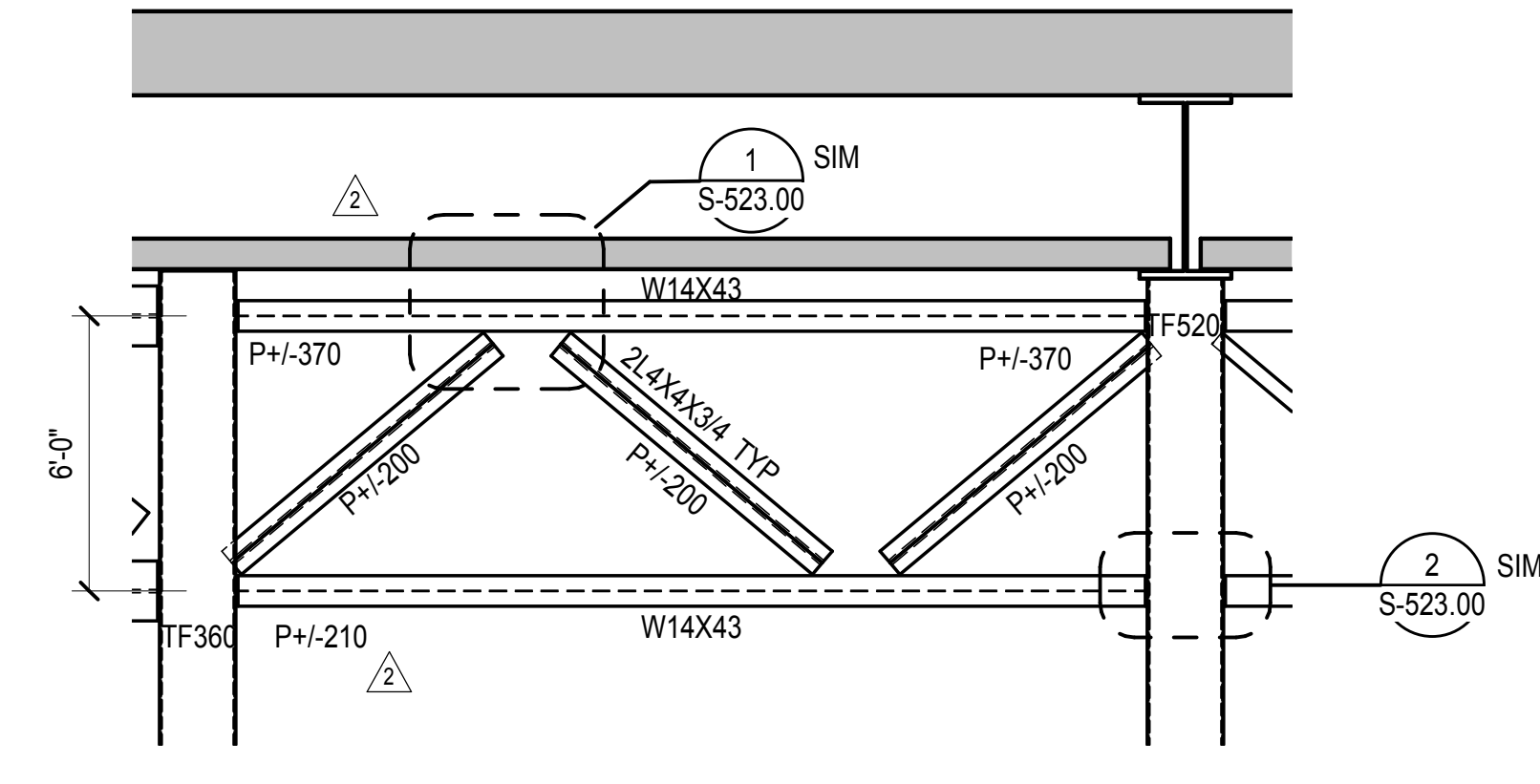
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



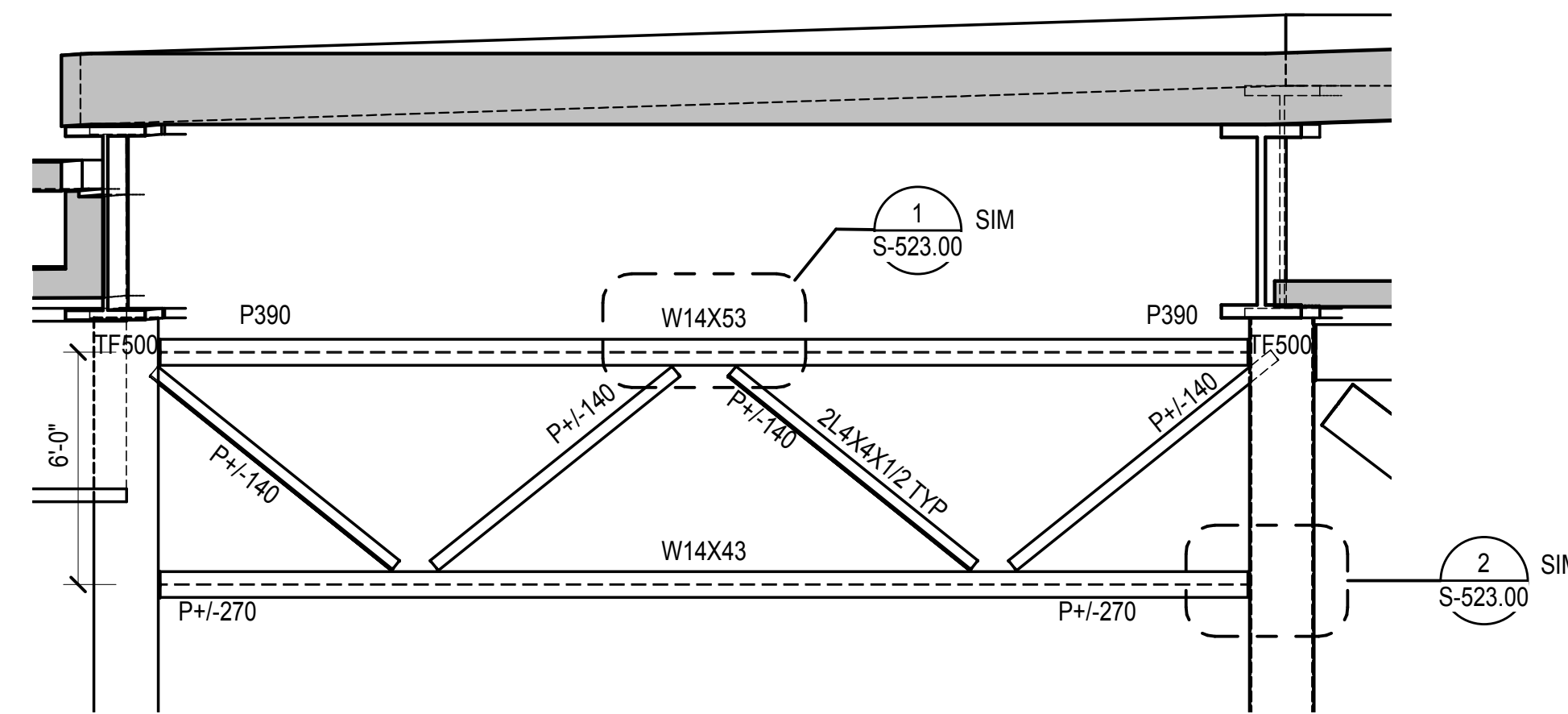
1 TRUSS T1 ELEVATION
1/4" = 1'-0"



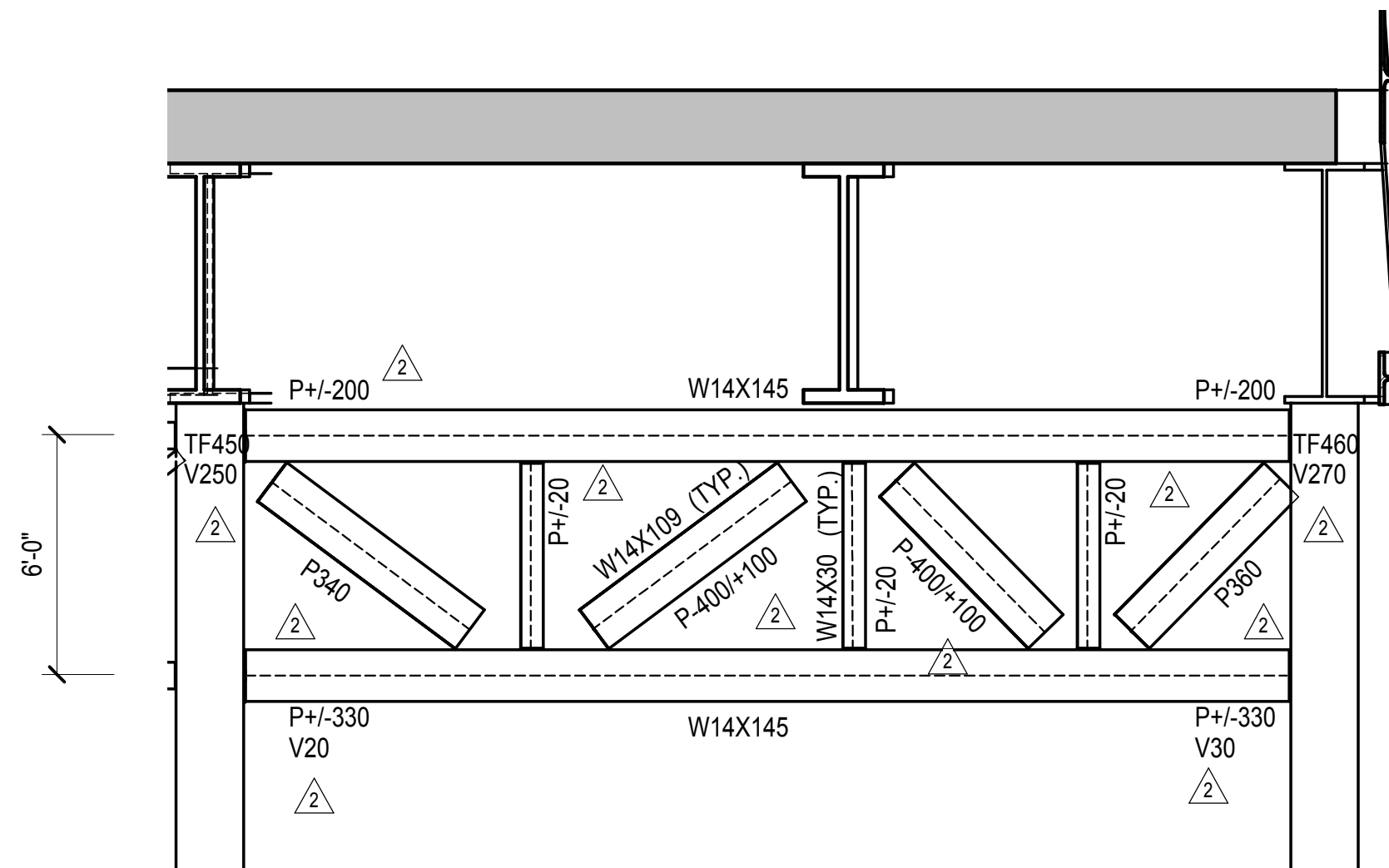
2 TRUSS T1A ELEVATION
1/4" = 1'-0"



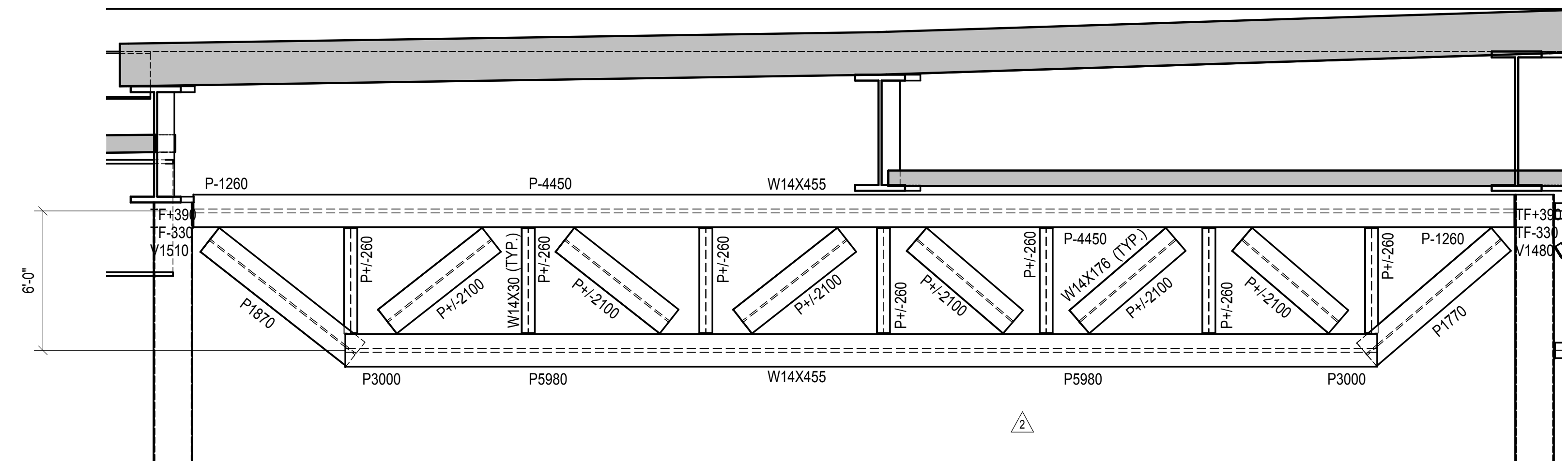
3 TRUSS T1B ELEVATION
1/4" = 1'-0"



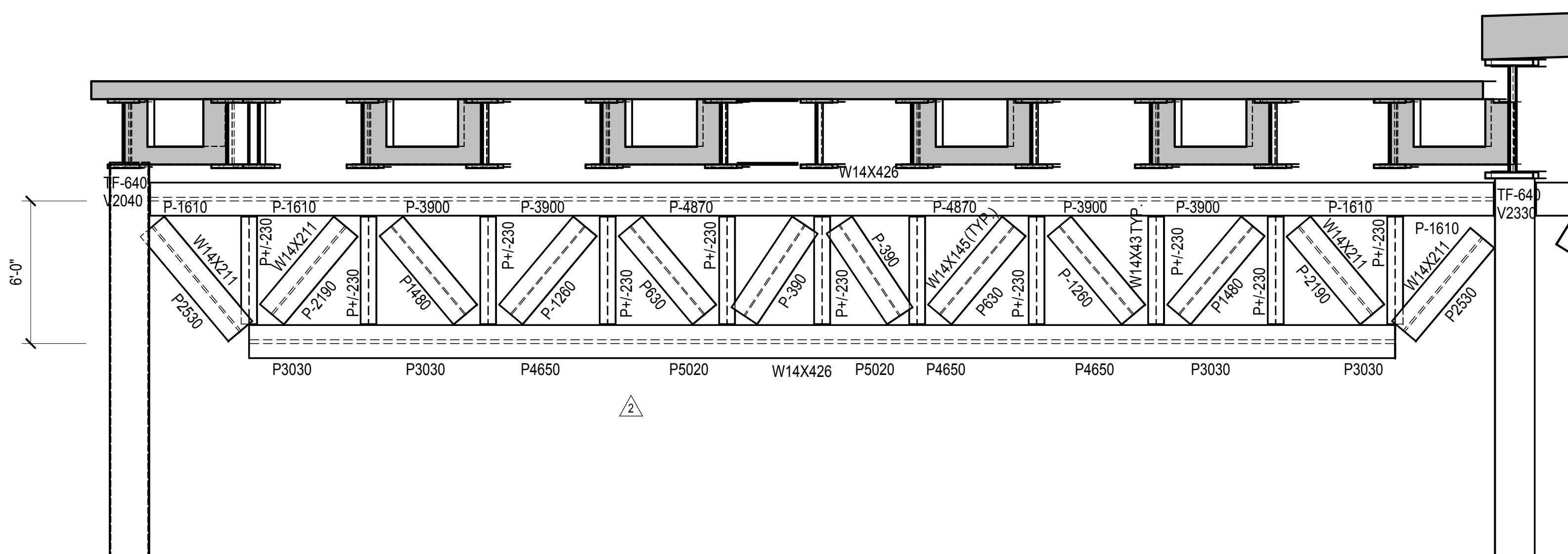
4 TRUSS T1C ELEVATION
1/4" = 1'-0"



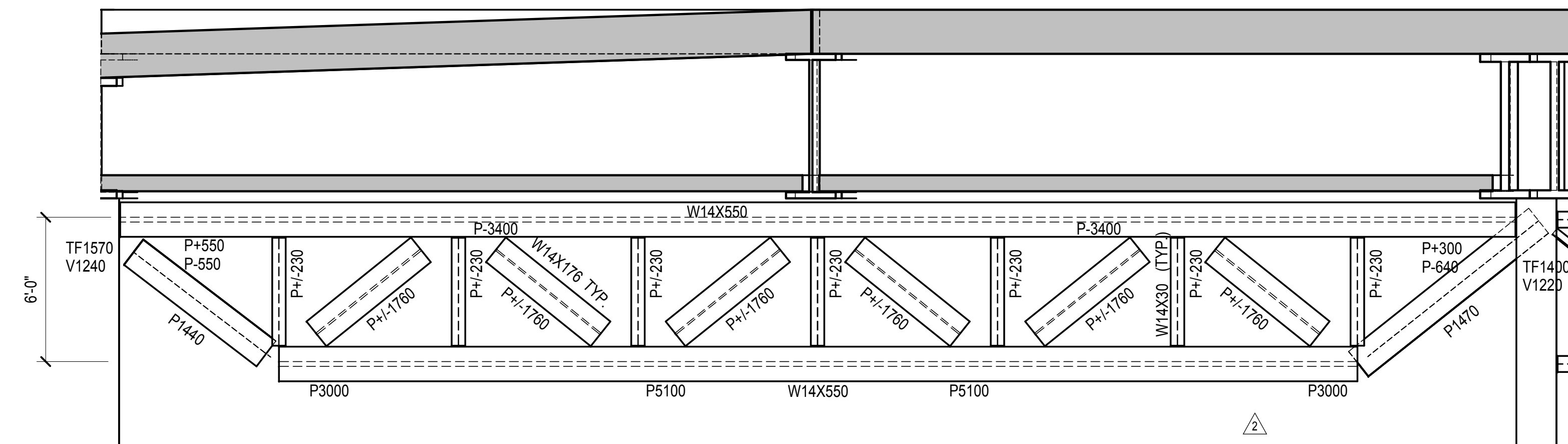
5 TRUSS T1F ELEVATION
1/4" = 1'-0"



6 TRUSS T2B ELEVATION
1/4" = 1'-0"



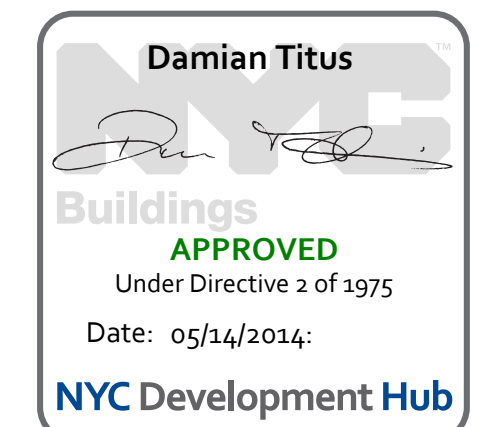
7 TRUSS T2C ELEVATION
1/4" = 1'-0"



8 TRUSS T2A ELEVATION
1/4" = 1'-0"

| | |
|------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| NYC Description | Site |

See Plan



NOTES:
1. GUSSET PLATES AND PLATE GIRDER CONNECTIONS OMITTED FOR CLARITY. REFER TO DRAWING S-523.00 FOR TYPICAL DETAILS

Date: 12/14/2012

Project No: N11330.00

Drawn By: Autho

Issue Number:

HYE -PL -S-521.00

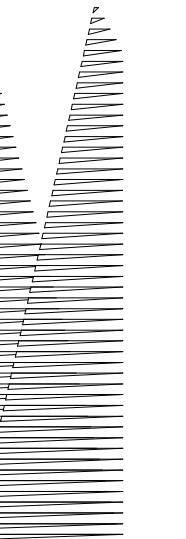
WEST PLATFORM TRUSS ELEVATIONS I

Drawing Number / Revision Drawing Number

S-521.00

SHEET 143 OF 201

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Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

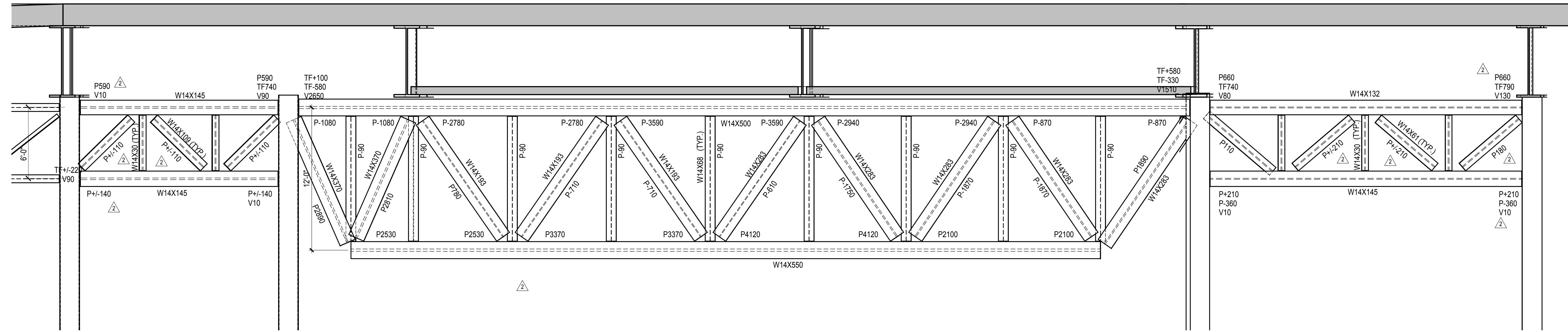
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

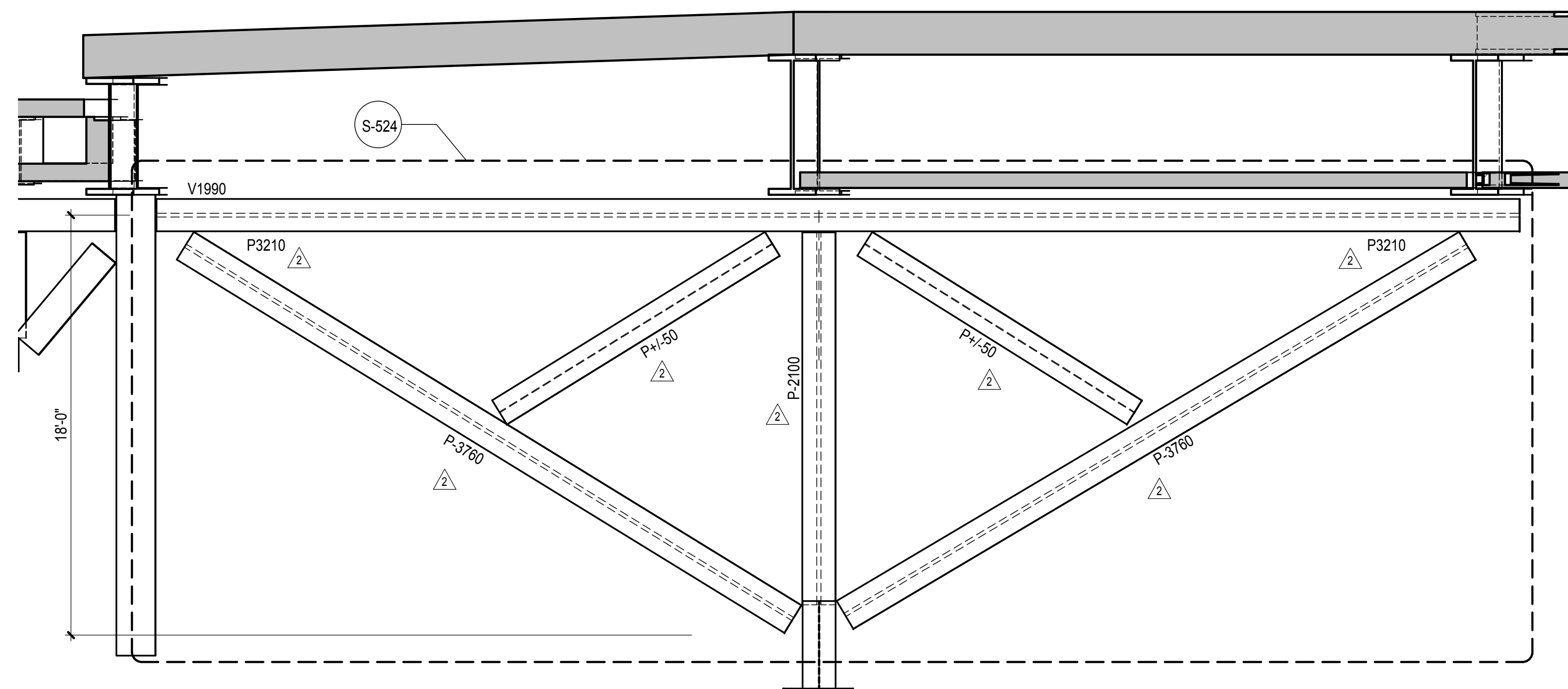
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Parsons Transportation Group
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Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

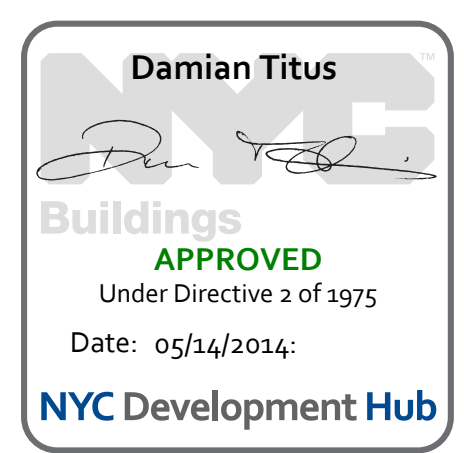


1 TRUSS T3 ELEVATION
1/4" = 1'-0"



2 CANTILEVER TRUSS ELEVATION
1/4" = 1'-0"

NOTES:
1. GUSSET PLATES AND PLATE GIRDER CONNECTIONS OMITTED FOR CLARITY. REFER TO DRAWING S-523.00 FOR TYPICAL DETAILS



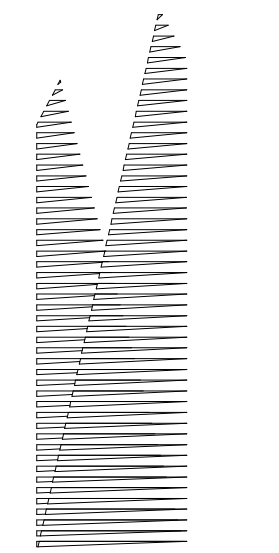
| No. | Description | Date |
|-------------------------------------|-------------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL SUBMISSION | | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | | |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | | 11/1/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | | 8/09/2013 |
| NYC DOB FILING | | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | | 2/15/2013 |

Rev Plot

Date: 12/14/2012
Project No: N11330.00
Author: [Signature]
Sheet Number: [Signature]

HYE - PL - S-522.00
Drawing Title:
WEST PLATFORM TRUSS ELEVATIONS II

Drawing Number / Revision Drawing Number
S-522.00



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Related Companies
60 Columbus Circle
New York, NY 10023
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Overland Properties Group
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Construction Manager
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Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
11 West 42nd Street
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Structural Engineer
Thornton Tomasetti, Inc.
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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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New York, NY 10005
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LIRR Ventilation
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Tel: 212.896.3000

LIRR Substation
AJECOM
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New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

NYC DOB FILING 12/4/2013

L.I.R.R. - PRE-FINAL 100% 11/22/2013

M&T - PLATFORM SUBMISSION 11/1/2013

Δ - DR-02 PHASE I STRUCTURAL UPDATE 11/1/2013

NYC DOB FILING 10/4/2013

Δ - DR-01 PHASE I STRUCTURE UPDATE 9/20/2013

L.I.R.R. - 90% SUBMISSION 8/09/2013

NYC DOB FILING 6/17/2013

L.I.R.R. - 60% SUBMISSION 5/29/2013

L.I.R.R. - 60% - PHASE I FDNS 3/29/2013

L.I.R.R. - 30% SUBMISSION 2/15/2013

NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

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NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

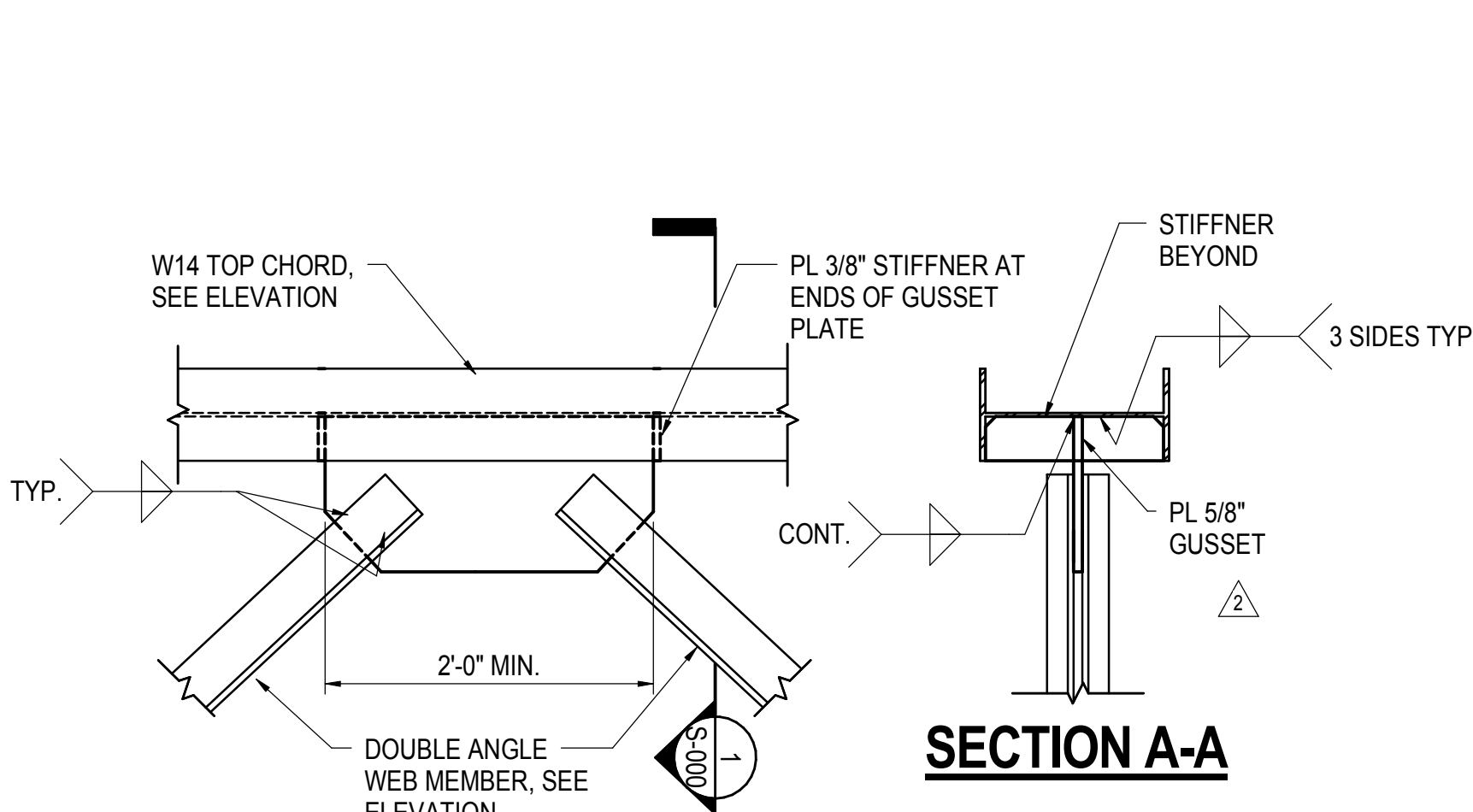
NYC DOB FILING 12/4/2013

NYC DOB FILING 12/4/2013

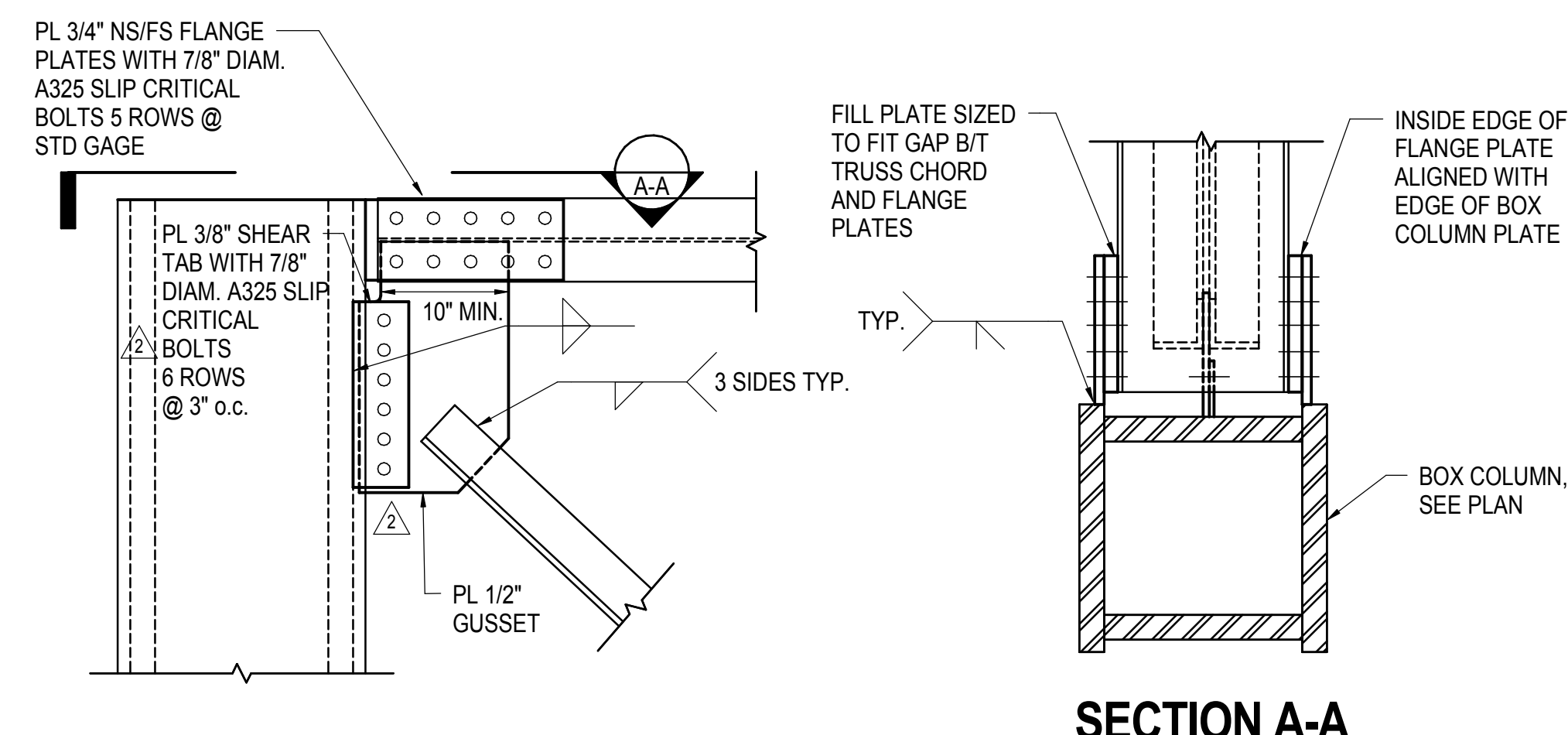
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NYC DOB FILING 12/4/2013

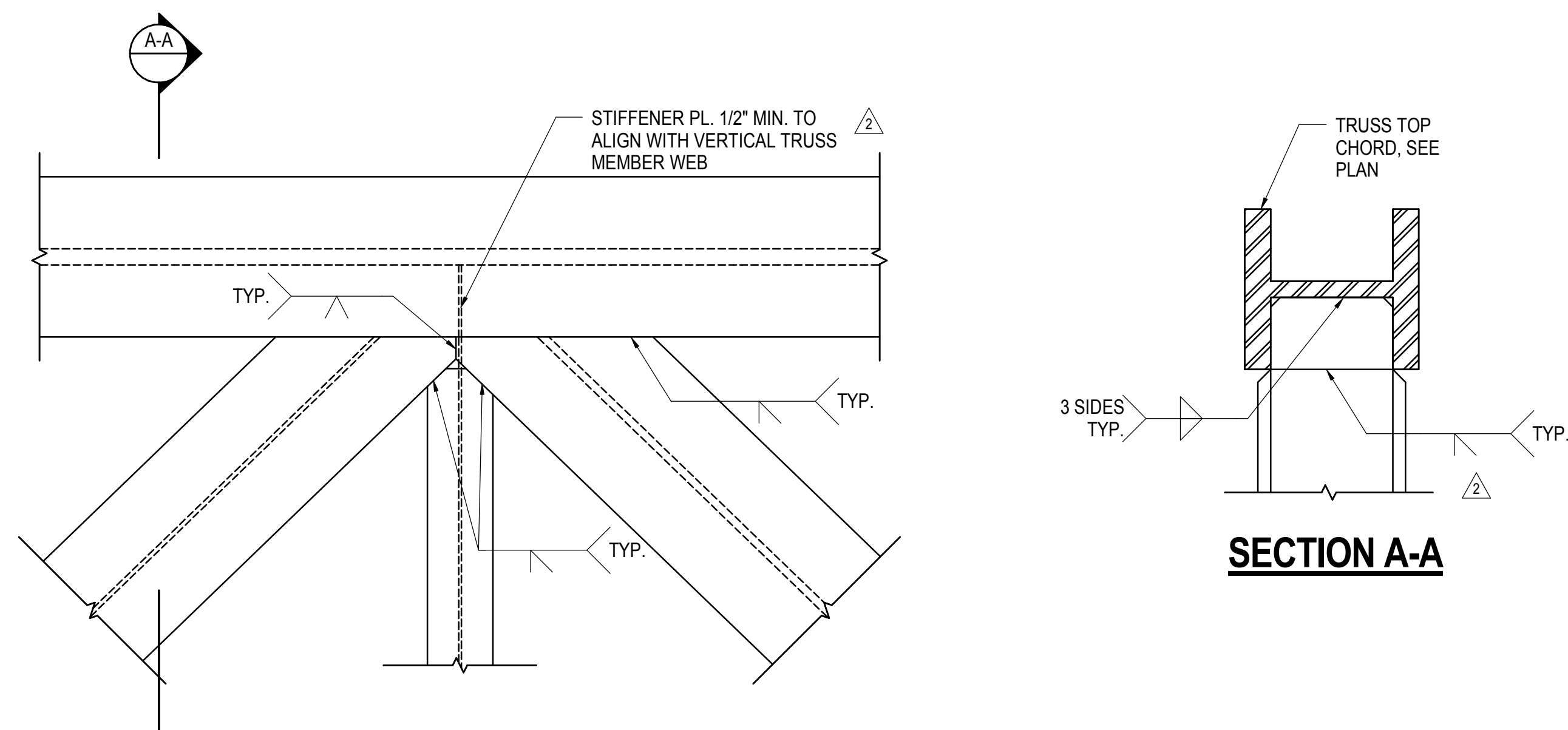
NYC DOB FILING 12/4/2013



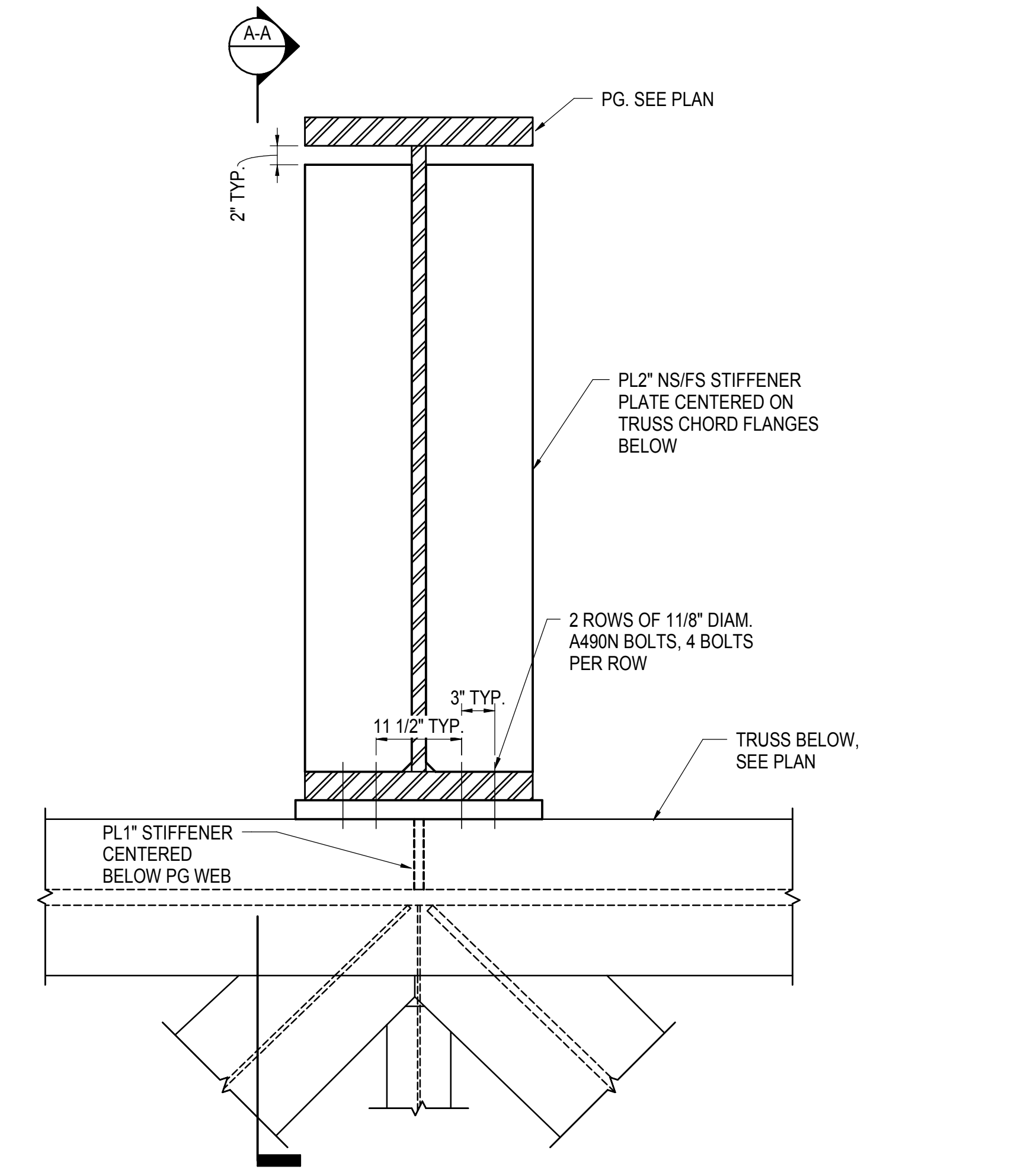
1 TYPICAL T1 TRUSS NODE
1" = 1'-0"



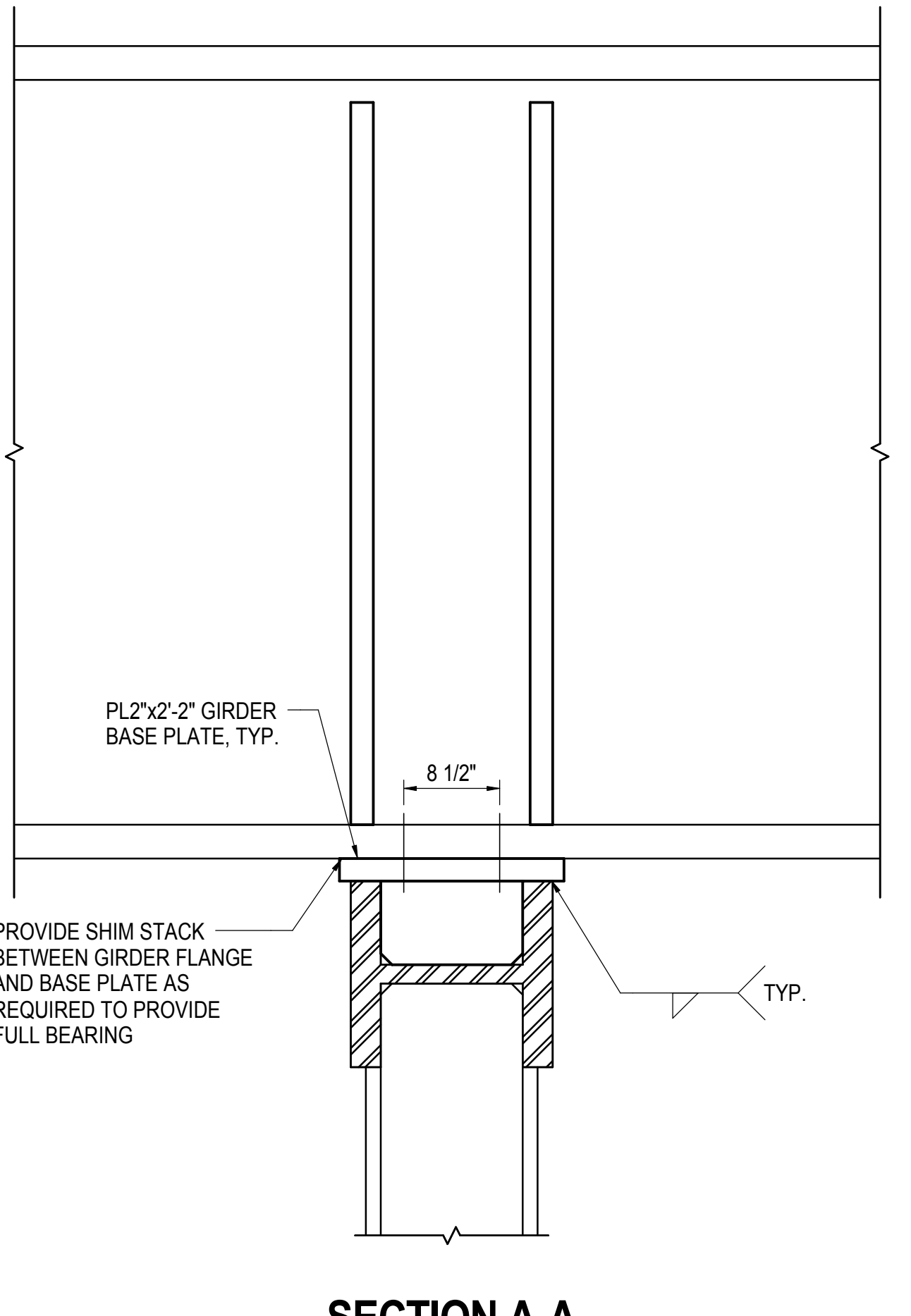
2 TYPICAL T1 TRUSS END NODE
1" = 1'-0"



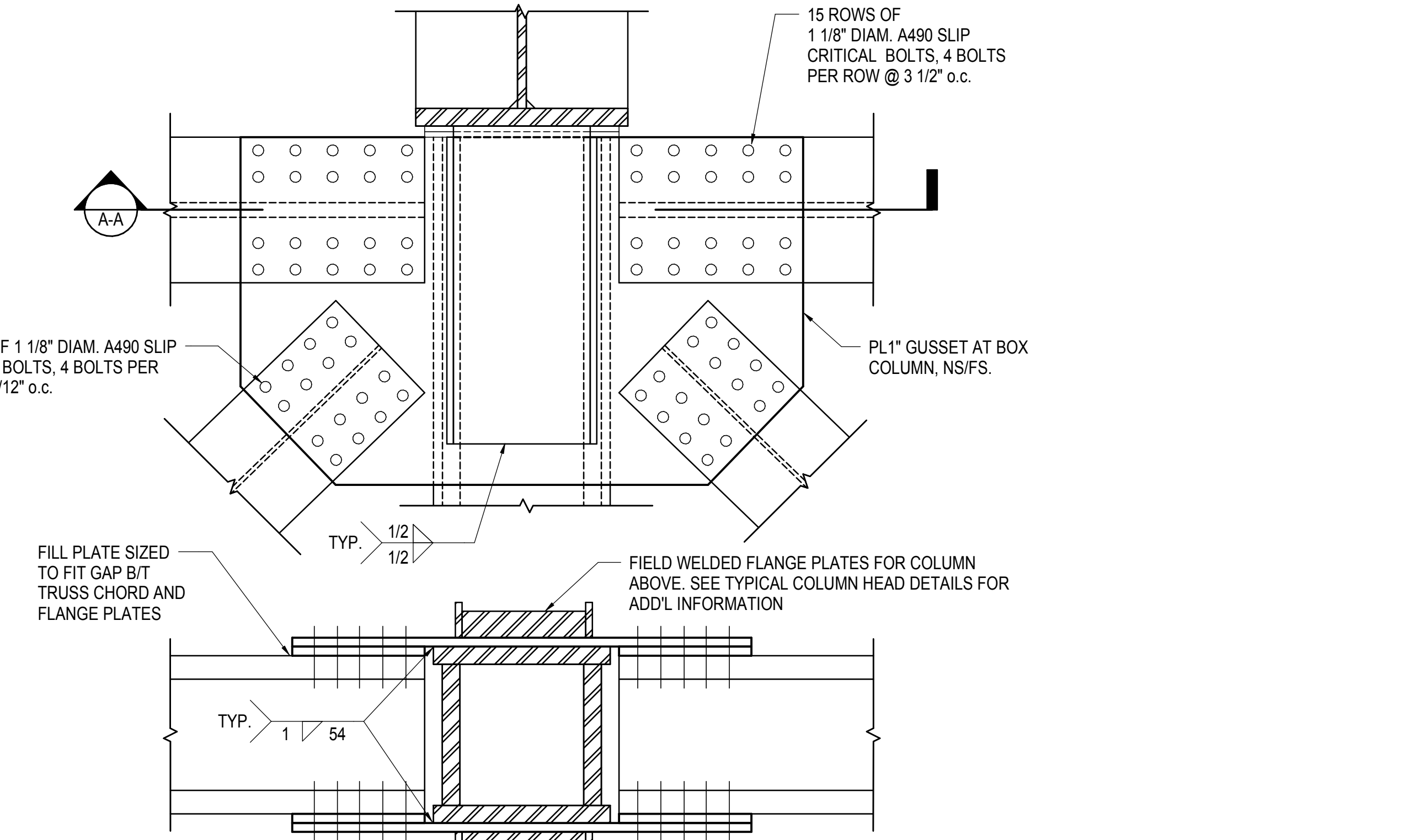
3 TYPICAL WIDE FLANGE SHOP WELDED TRUSS NODE CONNECTION
1" = 1'-0"



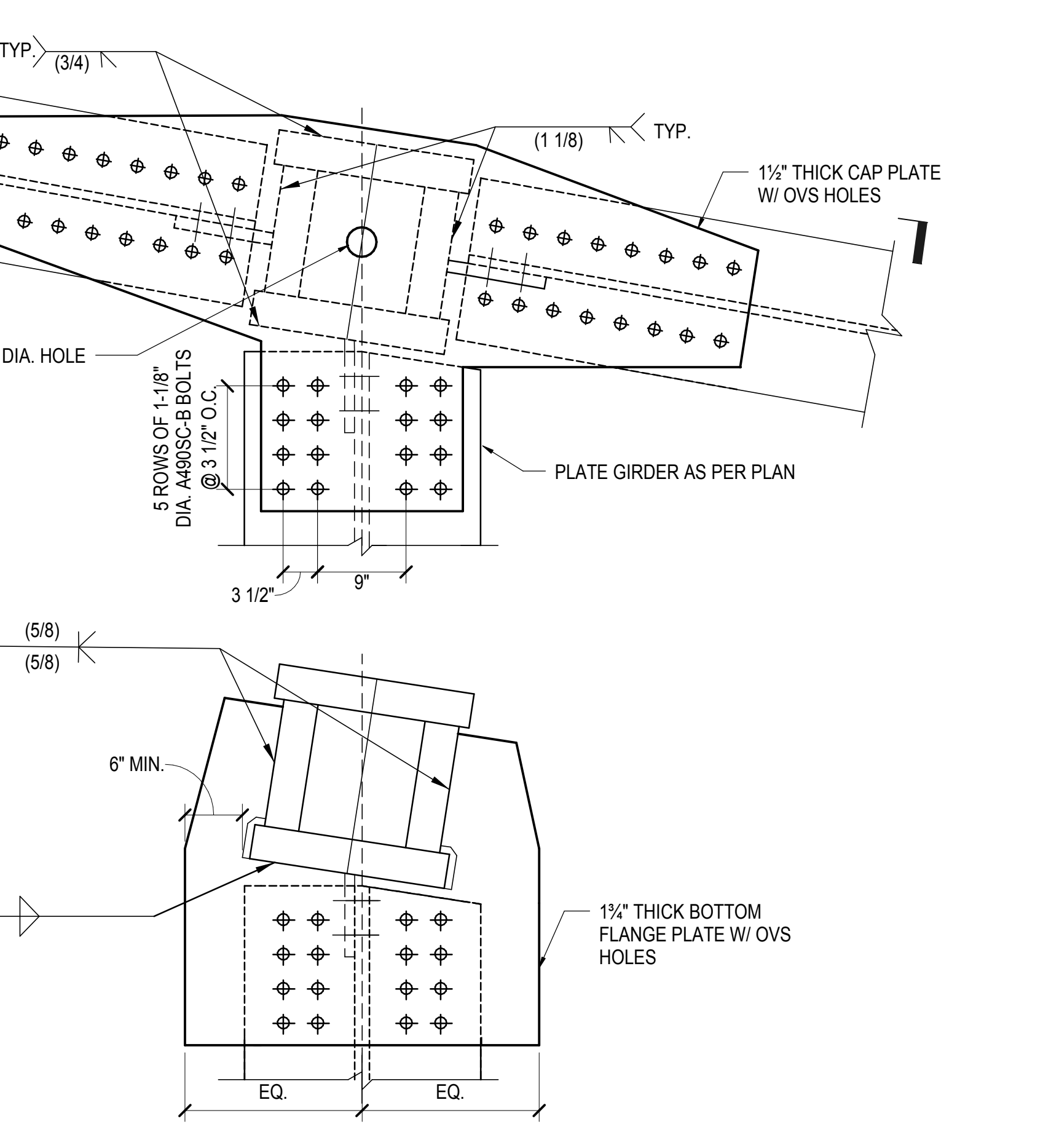
4 TYPICAL PLATE GIRDER OVER TRUSS NODE CONNECTION
1" = 1'-0"



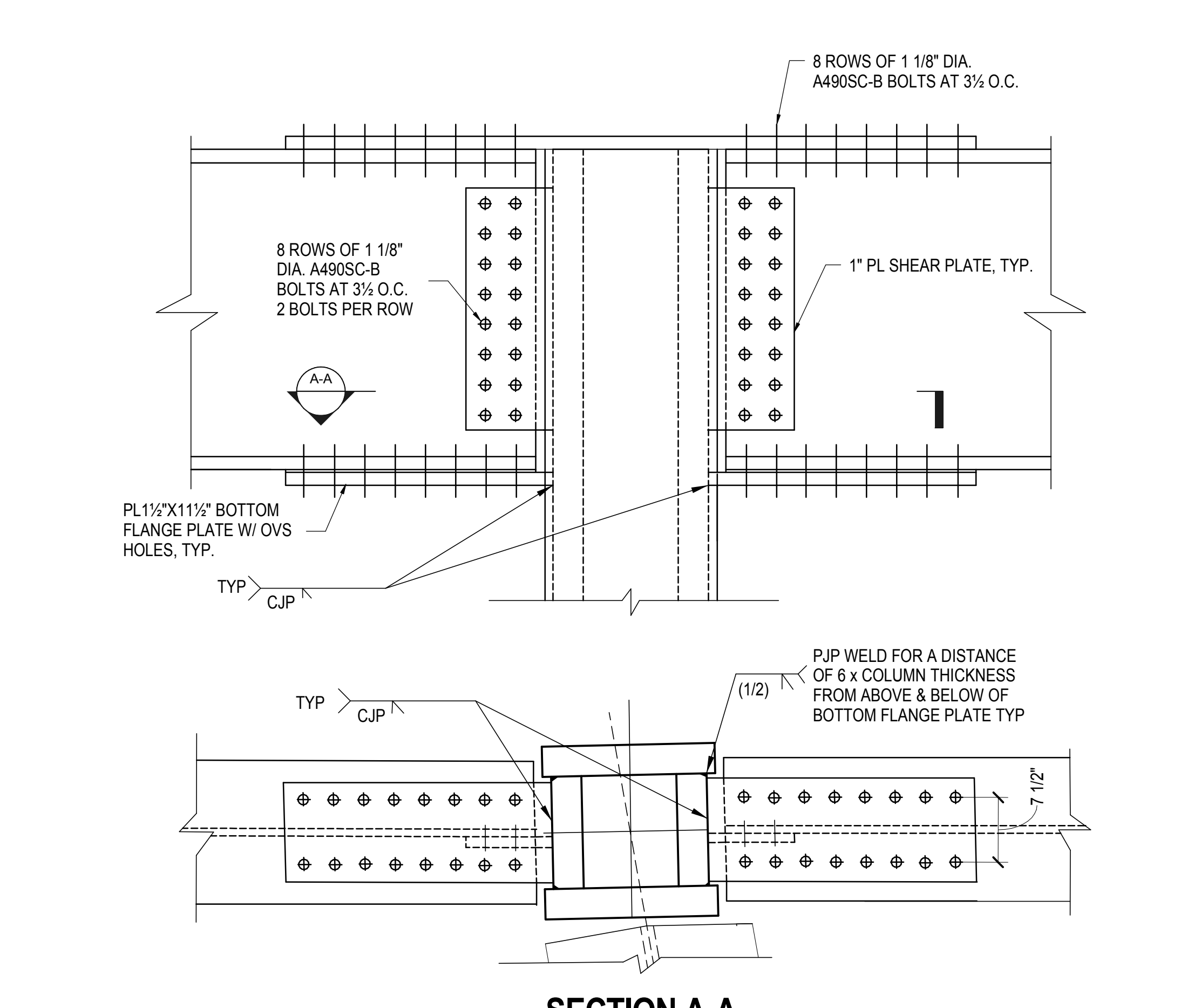
5 WIDE FLANGE TO BOX COLUMN MOMENT CONNECTION
1" = 1'-0"



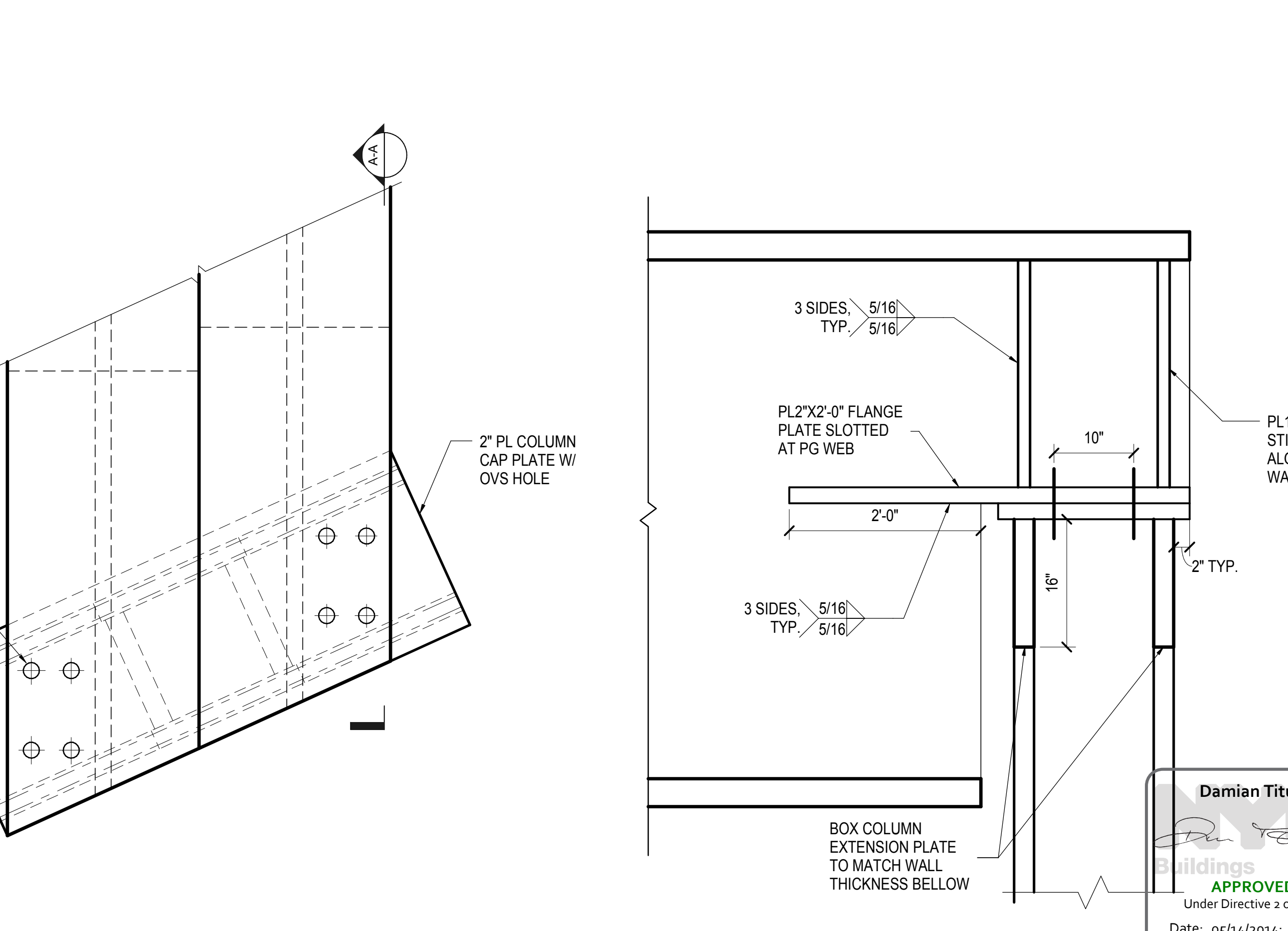
6 TYPICAL WIDE FLANGE FIELD BOLTED TRUSS END NODE CONNECTION
1" = 1'-0"



7 PLATE GIRDER CAP PLATE AND FLANGE PLATE TO COLUMN MOMENT CONNECTION
1" = 1'-0"

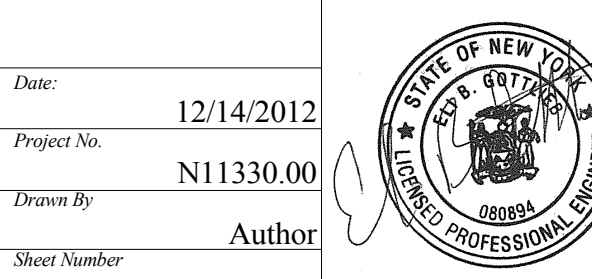


8 WIDE FLANGE TO BOX COLUMN MOMENT CONNECTION
1" = 1'-0"



9 PLATE GIRDER CAP PLATE AND FLANGE PLATE TO COLUMN MOMENT CONNECTION
1" = 1'-0"

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



HYE - PL - S-523.00
WEST PLATFORM TRUSS DETAILS

| | |
|---------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. PLATFORM SUBMISSION | 11/12/2013 |
| PHASE I STRUCTURAL UPDATE | 11/12/2013 |
| NYC DOB FILING | 10/4/2013 |
| PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 60% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| Rev | Desc |

Rev Plot

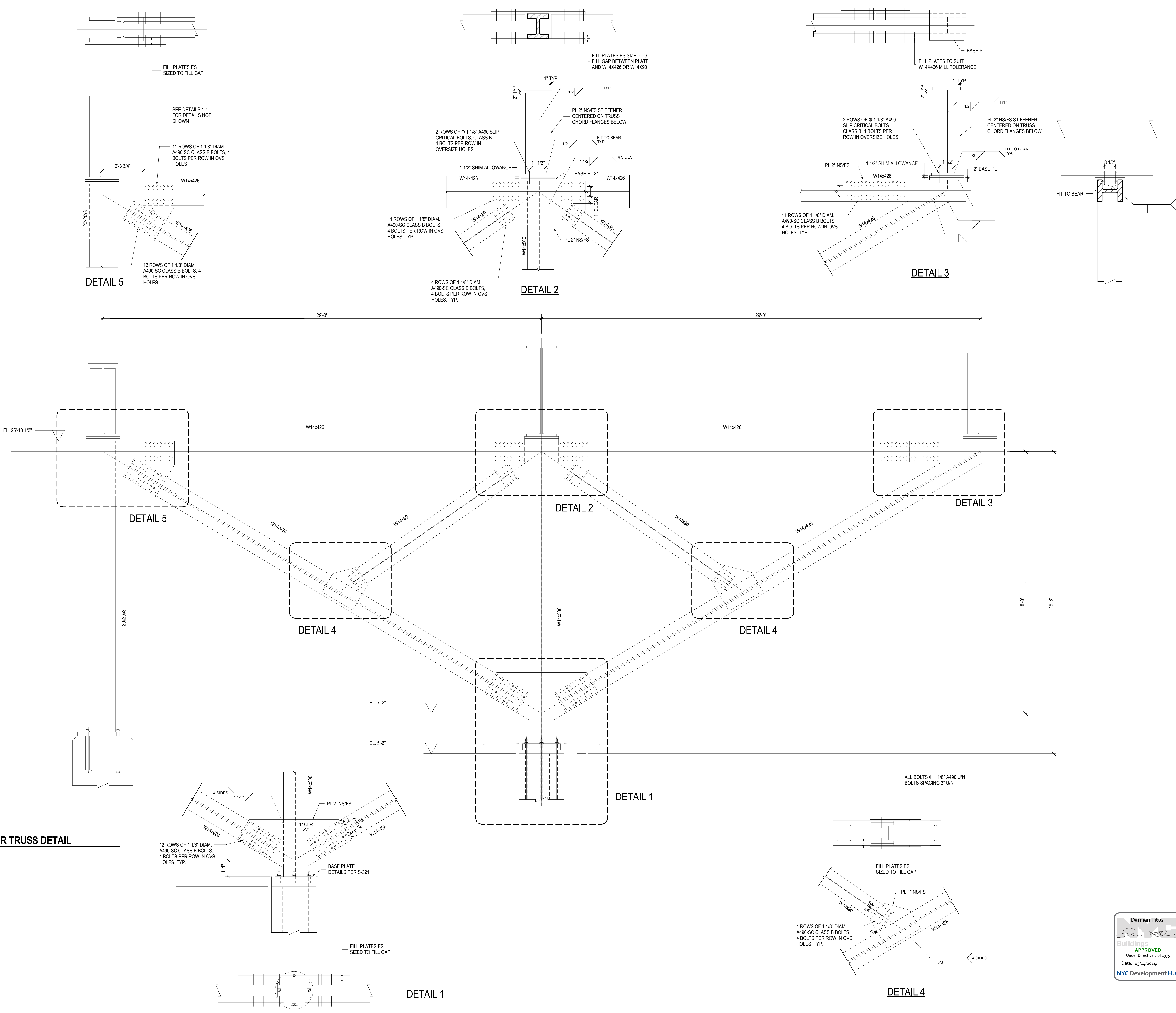
Date: 05/29/13
Project No: N11330.00
Revision: Author

HYE-PL-S-524.00

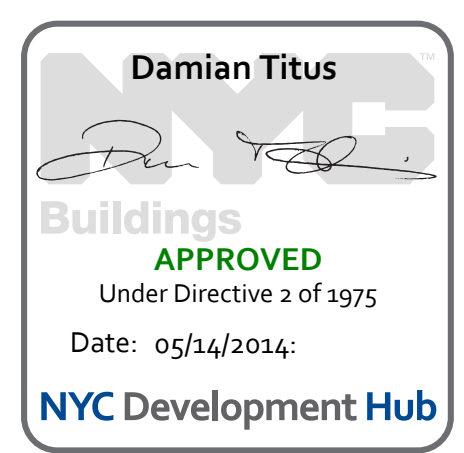
WEST PLATFORM TRUSS DETAILS

Drawing Number / Revision Drawing Number
S-524.00

SHEET 146 OF 201

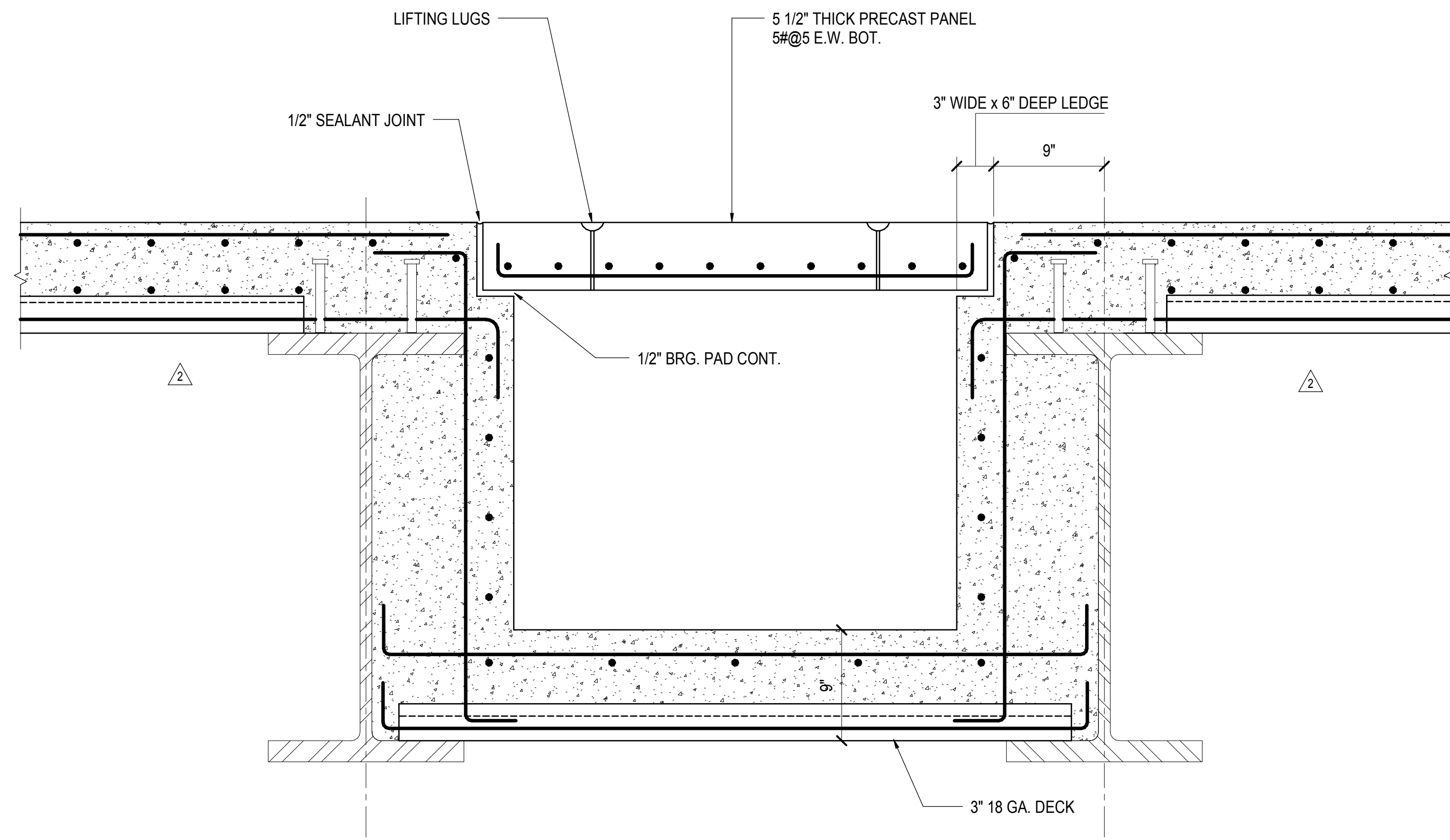


1 CANTILEVER TRUSS DETAIL
1/2" = 1'-0"



S-524.00 11/22/2013 3:20:14 PM C:\Schematic\N11330.00 - East Platform - Central_C\Nuzumain.rvt

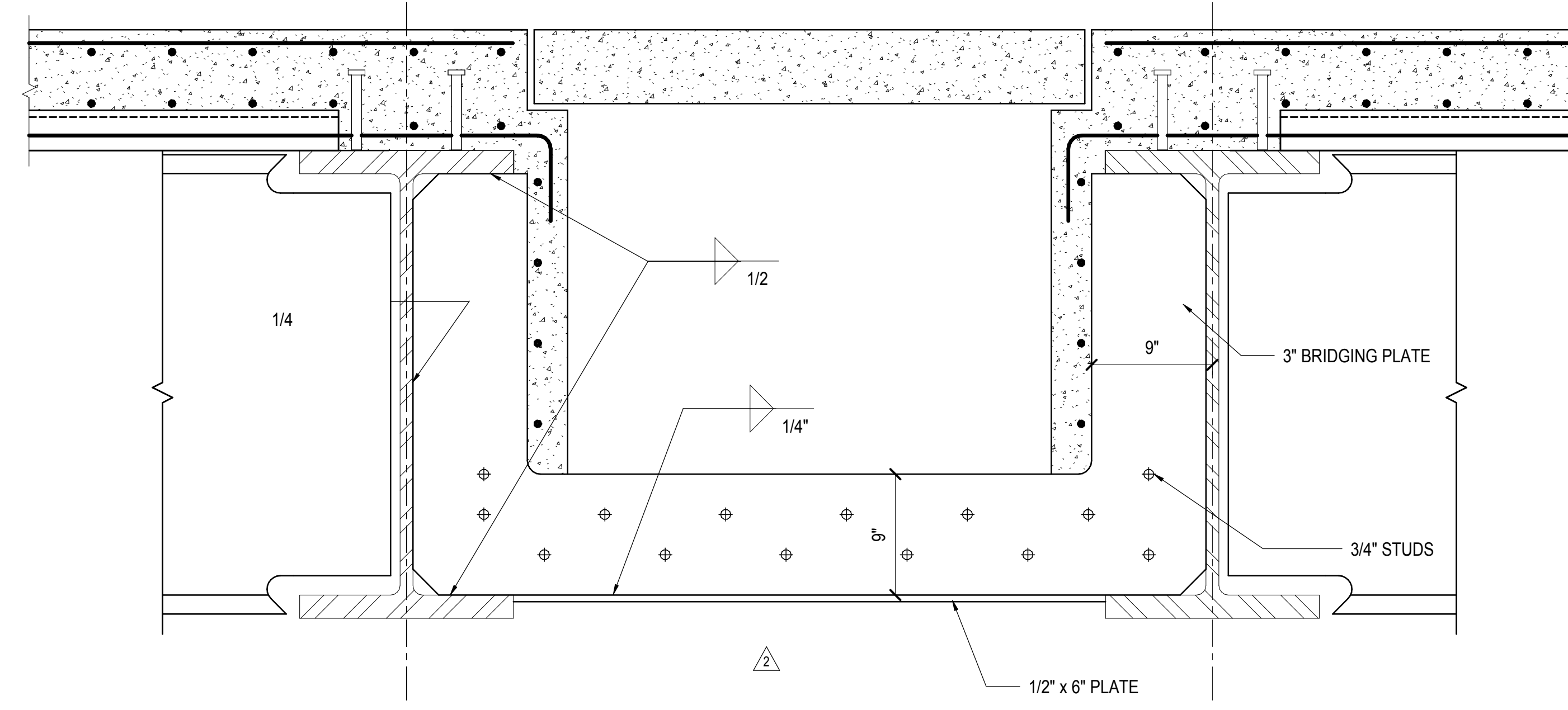
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1 SECTION AT UTILITY TRENCH

1/12" = 1'-0"

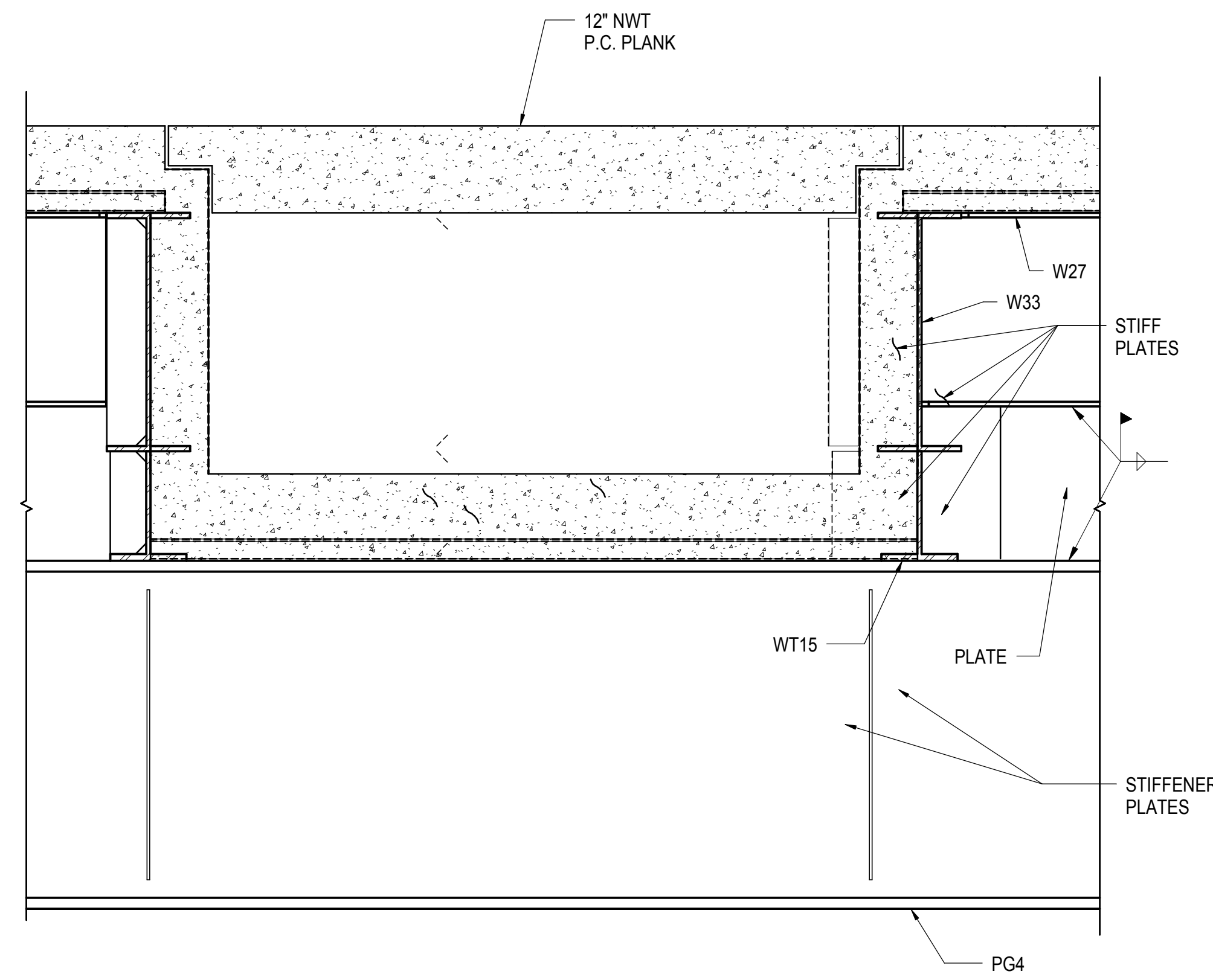
NOTE: REINFORCEMENT SHOWN INDICATIVELY. MIN REINFORCEMENT REQUIREMENTS PER S2 SLAB TYPE APPLY.



2 SECTION AT BRIDGING IN UTILITY TRENCH

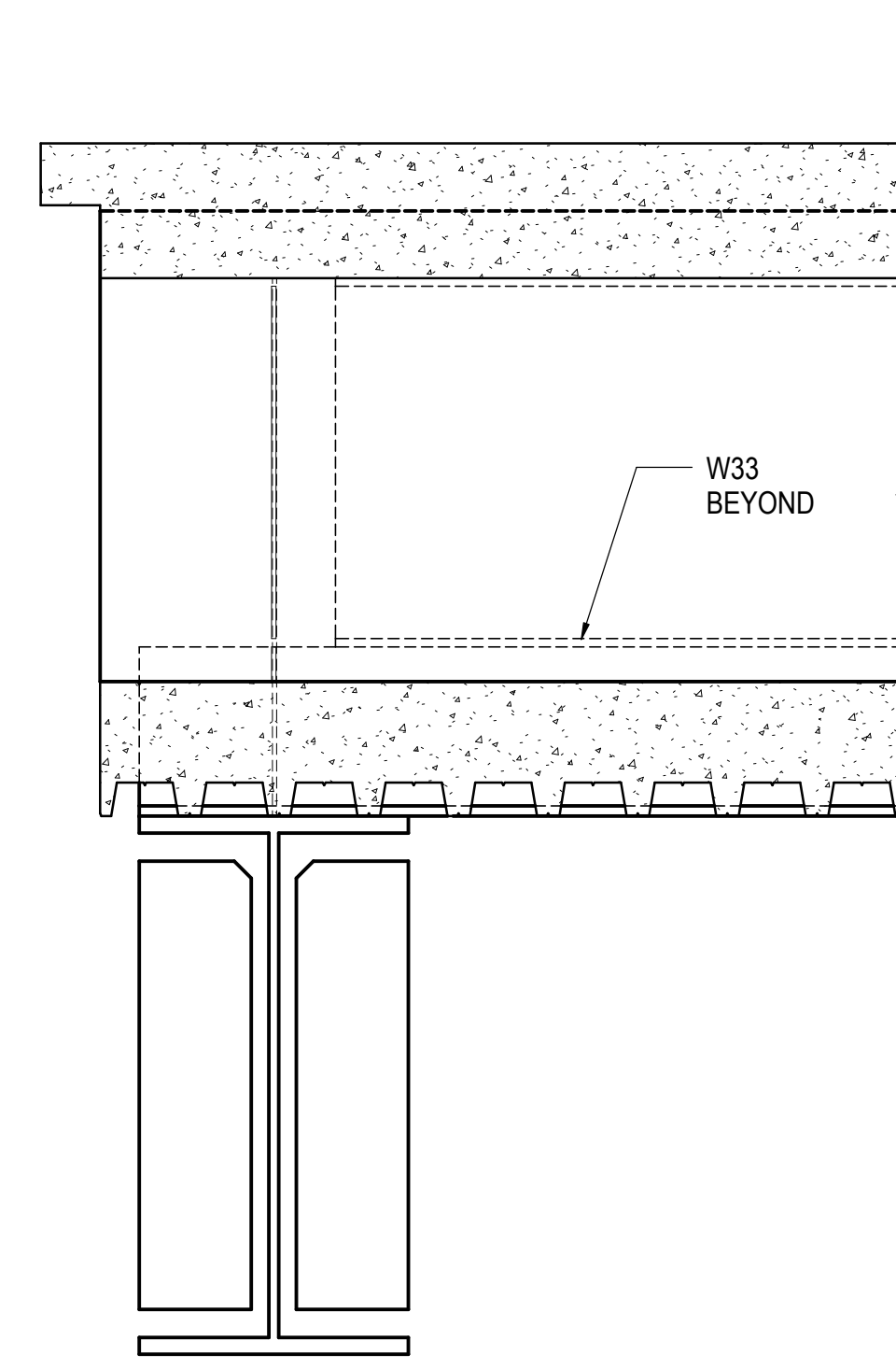
1/12" = 1'-0"

NOTE: BRIDGING DETAIL APPLICABLE AT EVERY LINE OF TRANSVERSE FRAMING IN THE WEST GRID AREA (BETWEEN PA AND PC) TO PROVIDE CONTINUITY IN THE EAST-WEST DIRECTION THROUGH THE UTILITY TRENCHES.
REINFORCEMENT SHOWN INDICATIVELY. MIN REINFORCEMENT REQUIREMENTS PER S2 SLAB TYPE APPLY.



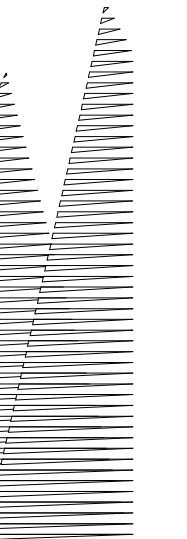
3 TYPICAL P.O.E. TRENCH AT STEEL FRAME

3/4" = 1'-0"



4 SECTION B-B

3/4" = 1'-0"



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10017
Tel: 917.661.7800 Fax: 718.661.7801

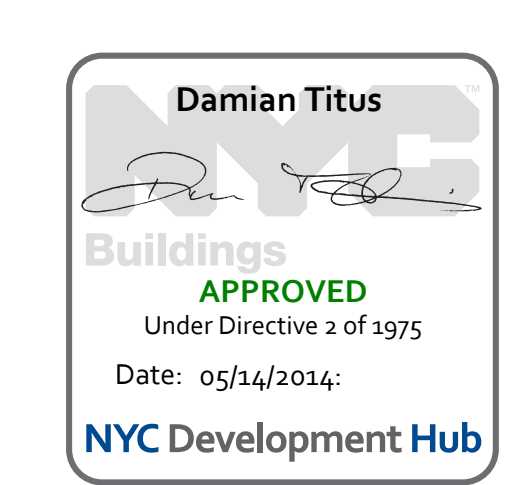
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LIRR Substation
AECOM
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New York, NY 10158
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| NYC DOB FILING | Date |
|-------------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&U - PLATFORM SUBMISSION | 11/22/2013 |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| Rev | Date |

Rev Plot



Date: 12/14/2012
Project No: N11330.00
Drawn By: Author
Sheet Number: 147 OF 201

HYE -PL -S-530.00
Drawing Title
TRENCH SECTIONS AND DETAILS

Drawing Number / Revision Drawing Number
S-530.00

SHEET 147 OF 201

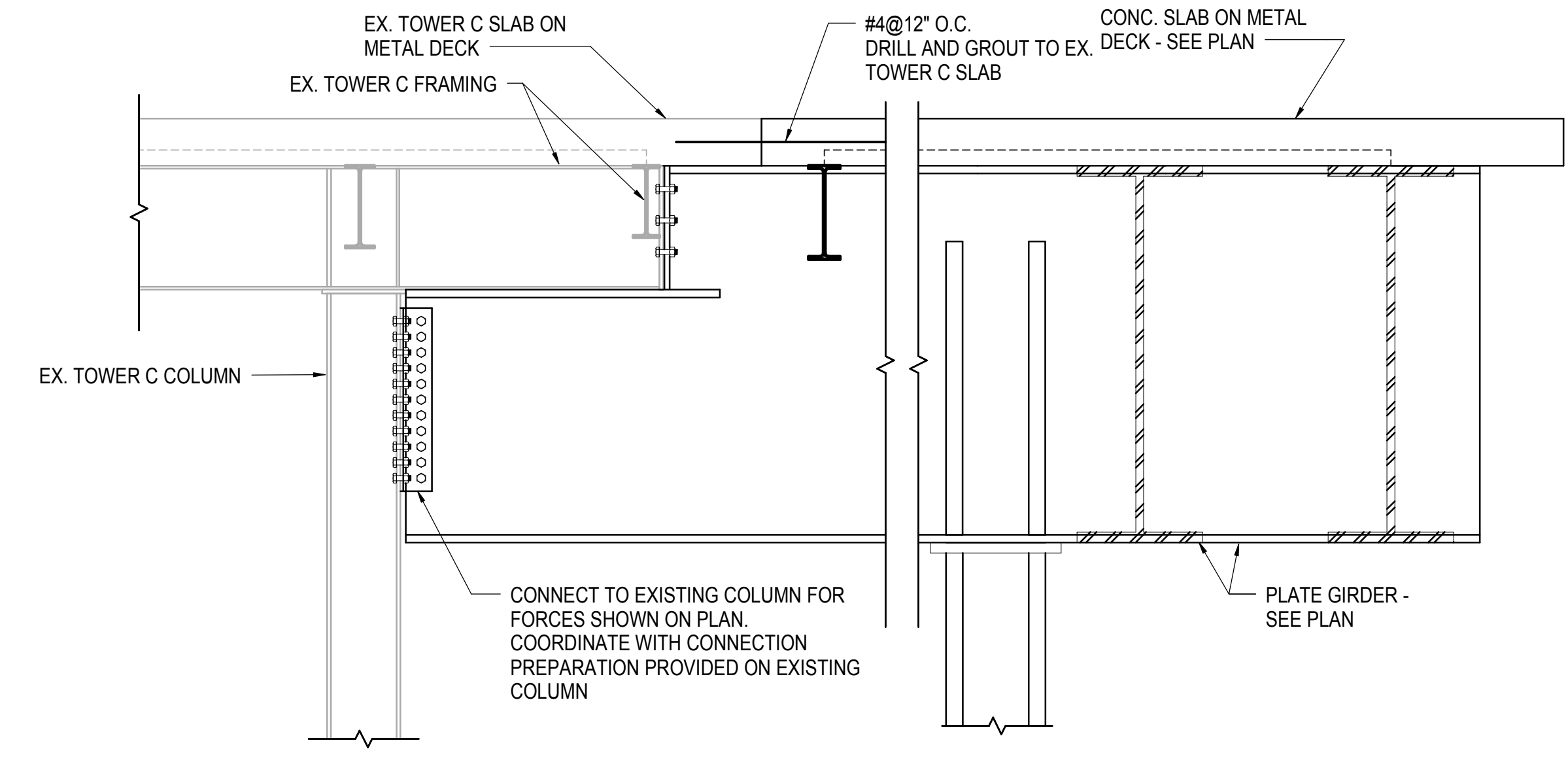
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| | |
|---------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MoE - PLATFORM SUBMISSION | Done |
| MoE - Description | Done |

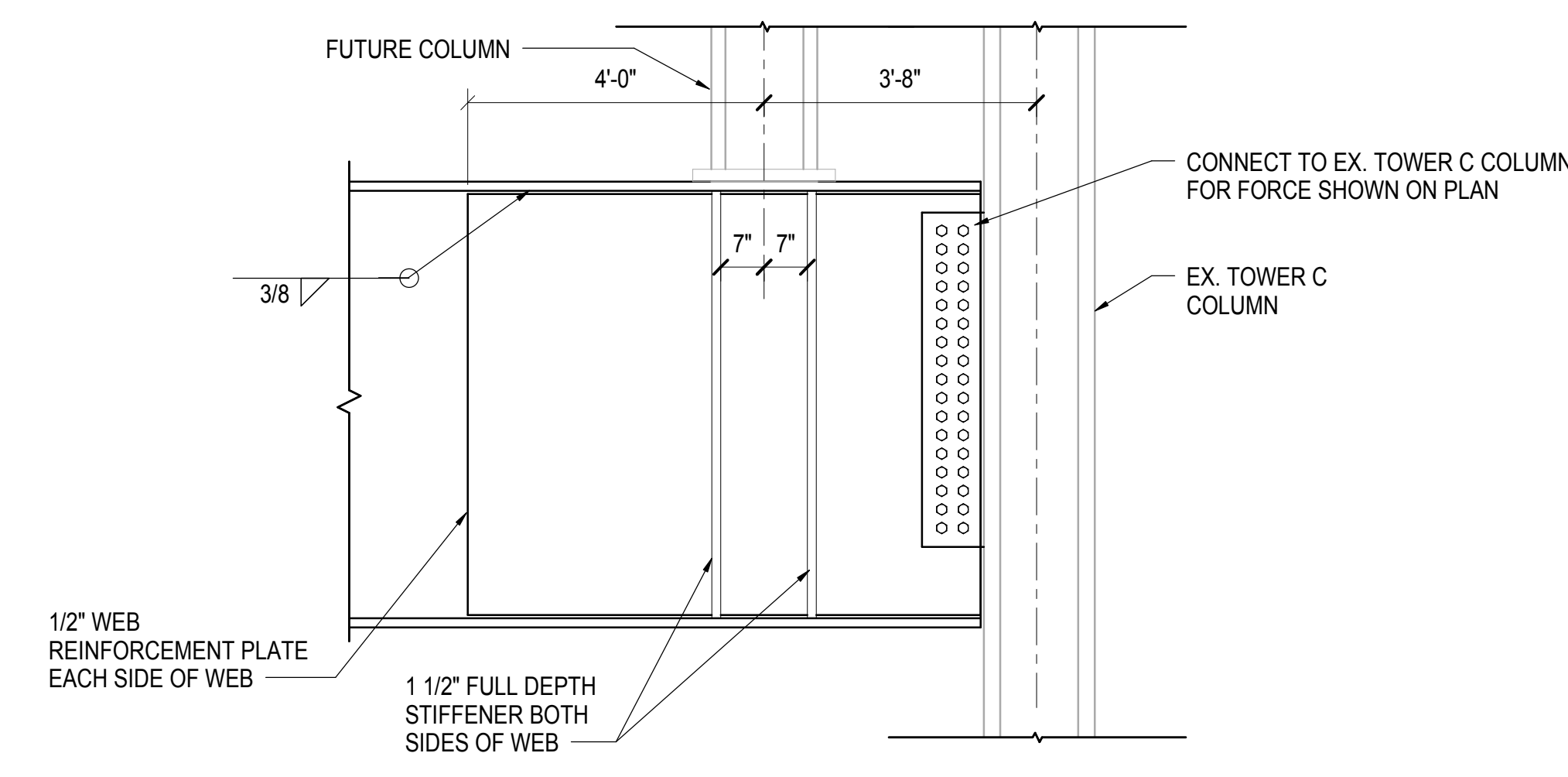
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| Date | 11/01/13 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Sheet Number | |

HYE-PL-S-540.00
Drawing Title
TOWER C INFILL SECTIONS AND DETAILS

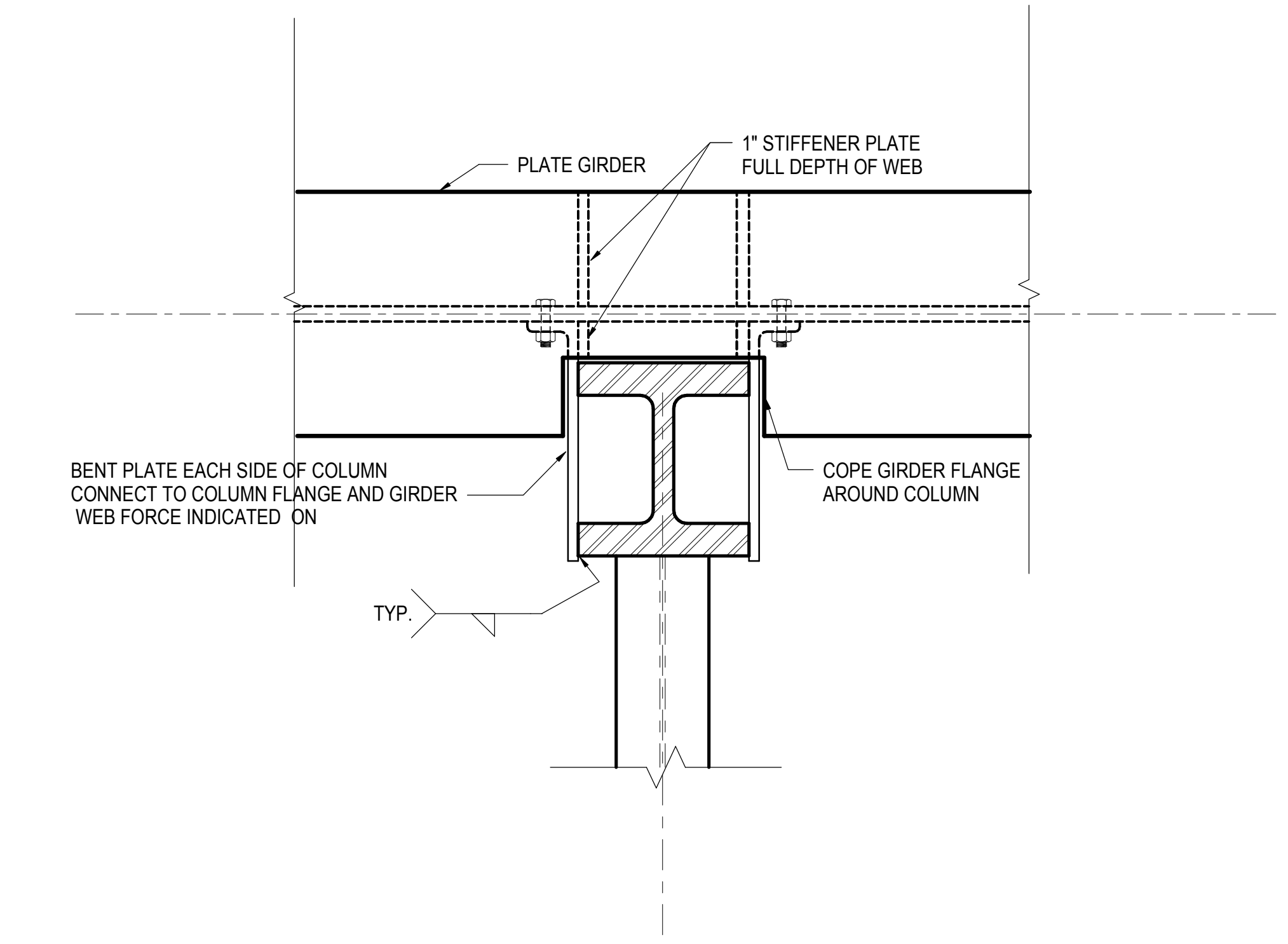
Drawing Number / BSCAN Drawing Number
S-540.00
SHEET 148 OF 201



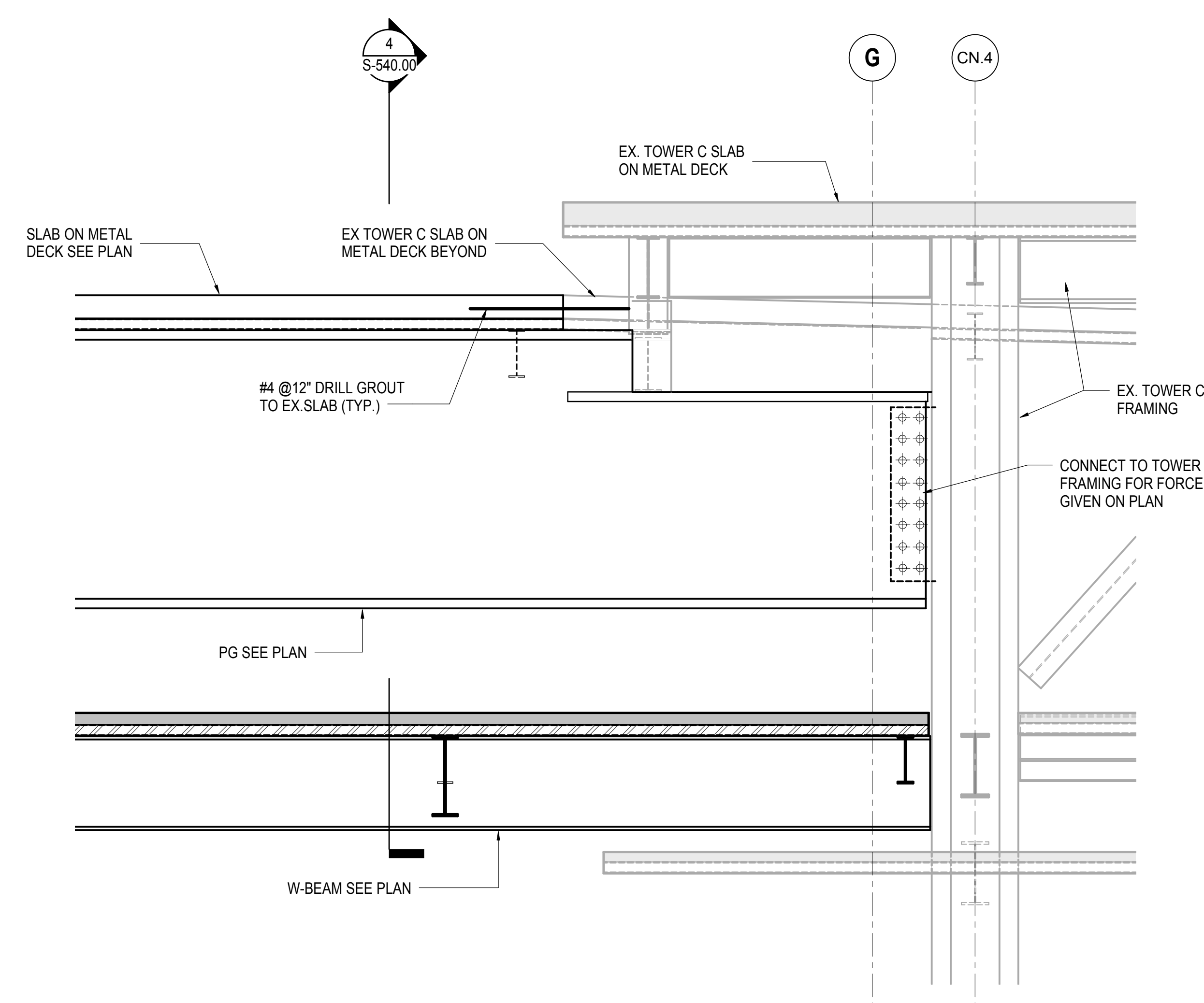
1 SECTION AT CONNECTION TO TOWER C
1/2" = 1'-0"



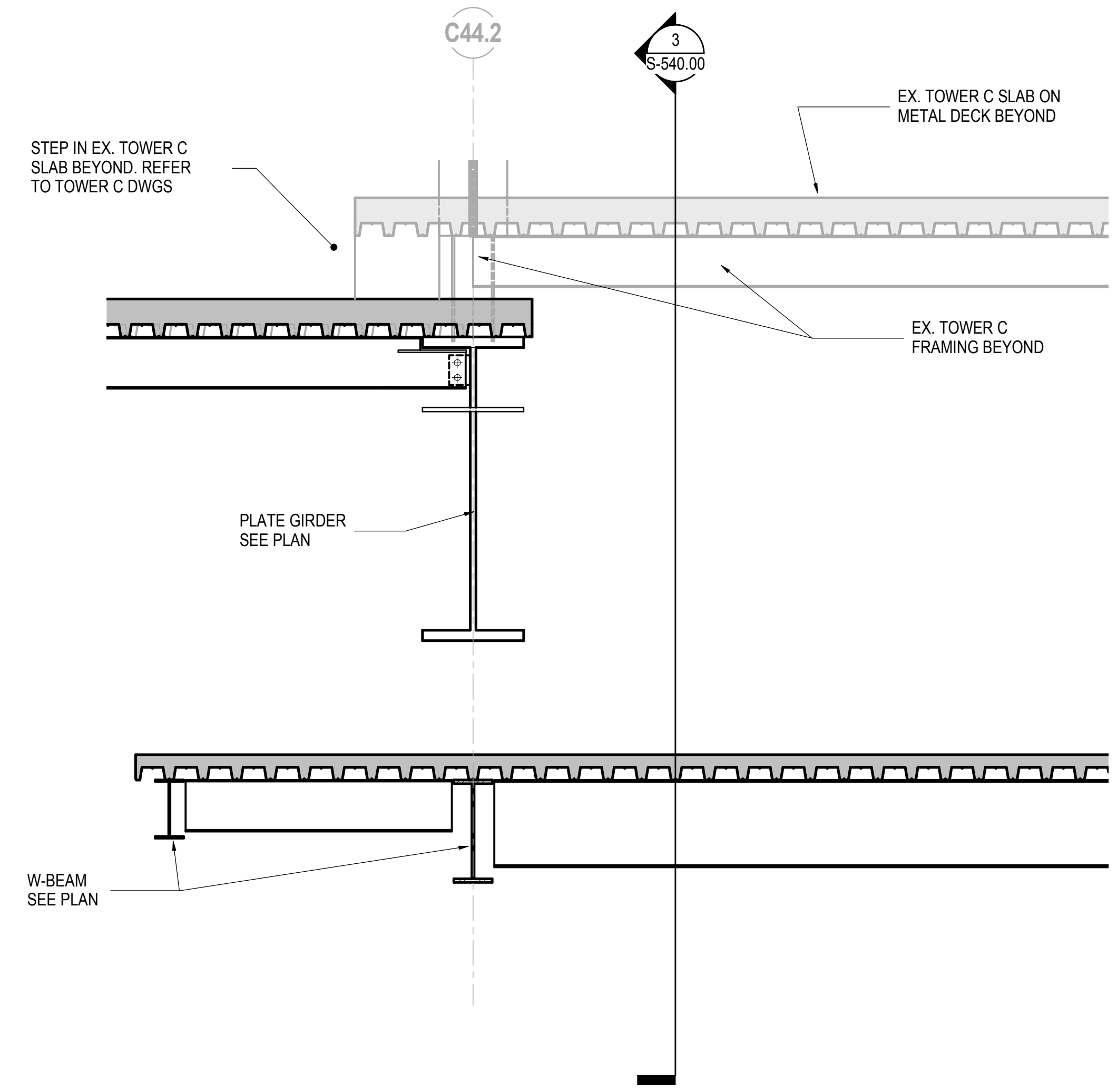
2 SECTION AT FUTURE COLUMN TRANSFER
1/2" = 1'-0"



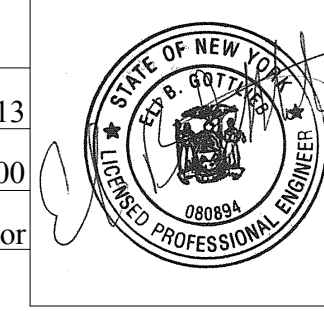
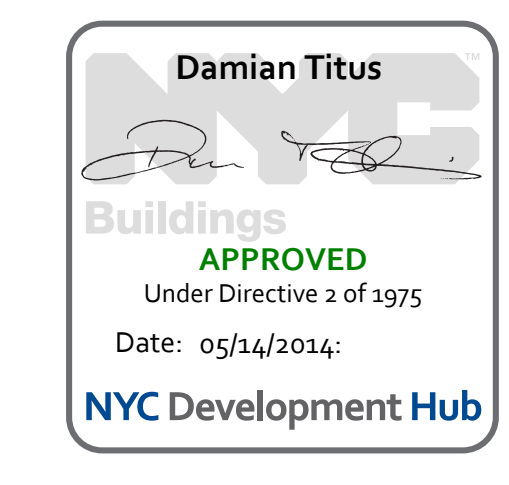
5 PLAN DETAIL AT OFFSET GIRDER TO COLUMN CONNECTION
1" = 1'-0"

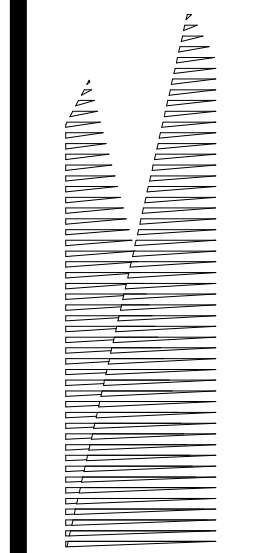


3 SECTION AT CONNECTION TO TOWER C GRID 44.2
1/2" = 1'-0"



4 SECTION AT CONNECTION TO TOWER C GRID CN4
1/2" = 1'-0"





Client
Related Companies
60 Columbus Circle
New York, NY 10023
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Owned Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
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11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

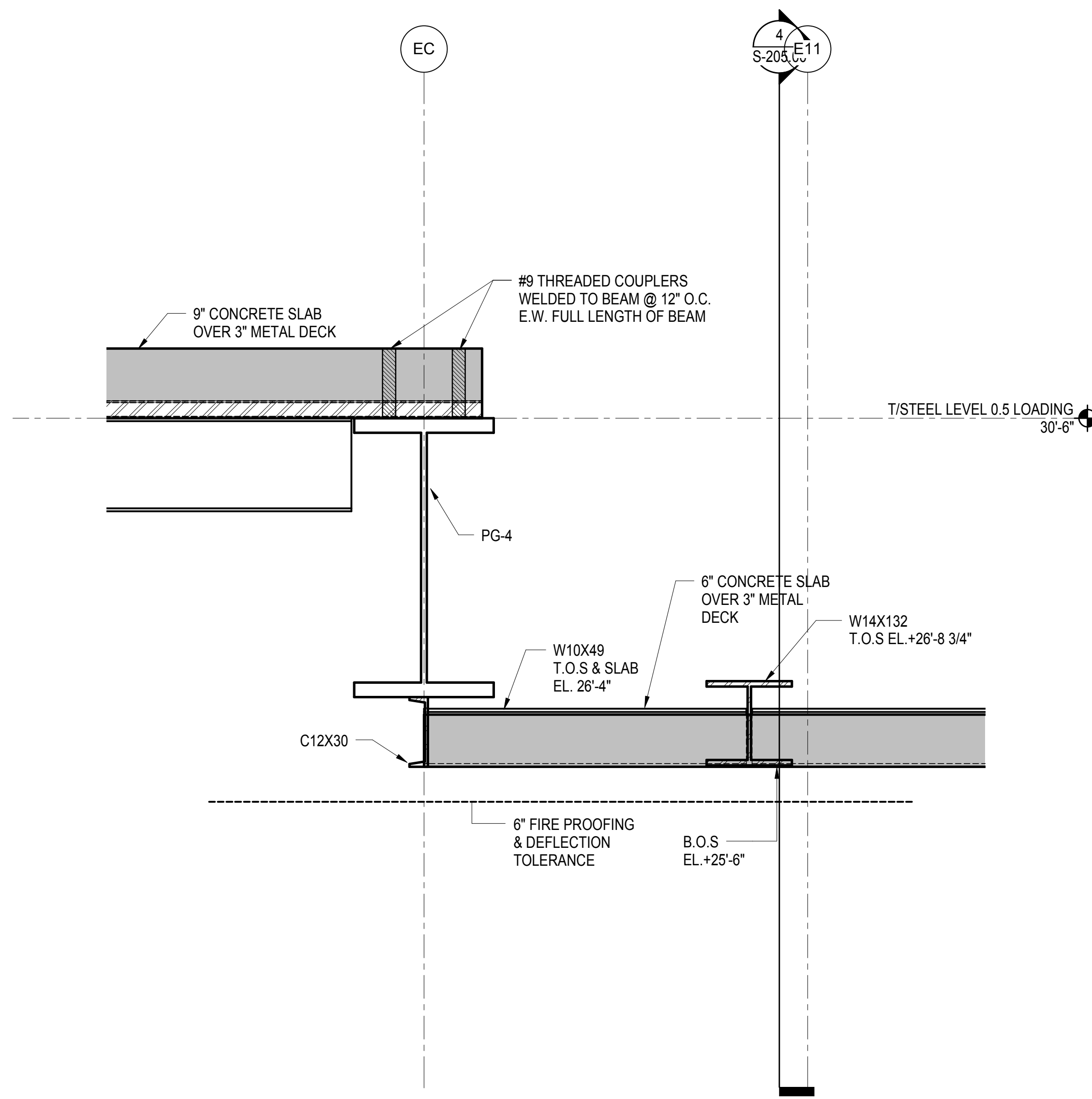
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Parsons Transportation Group
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New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

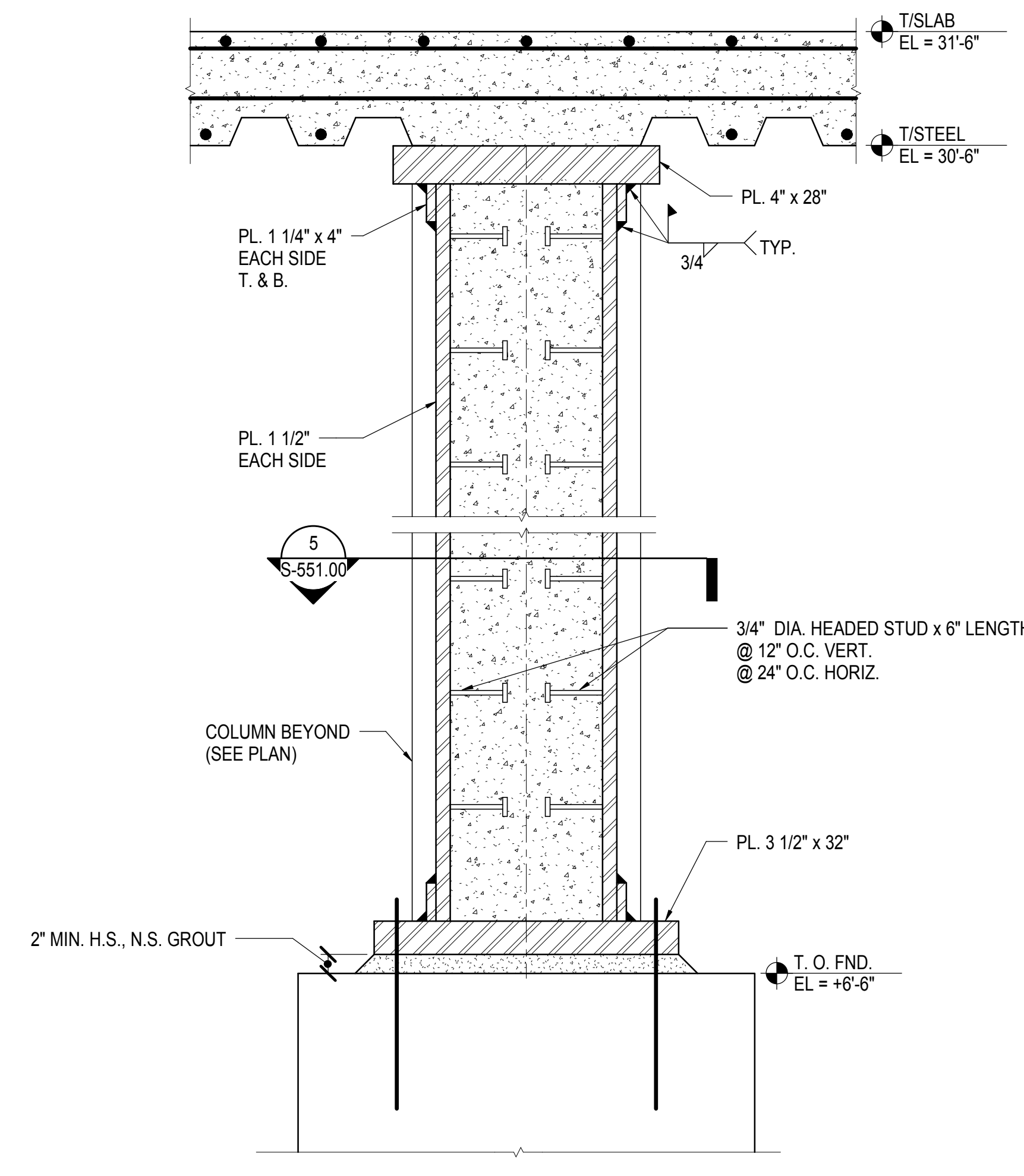
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| Rev | Date |

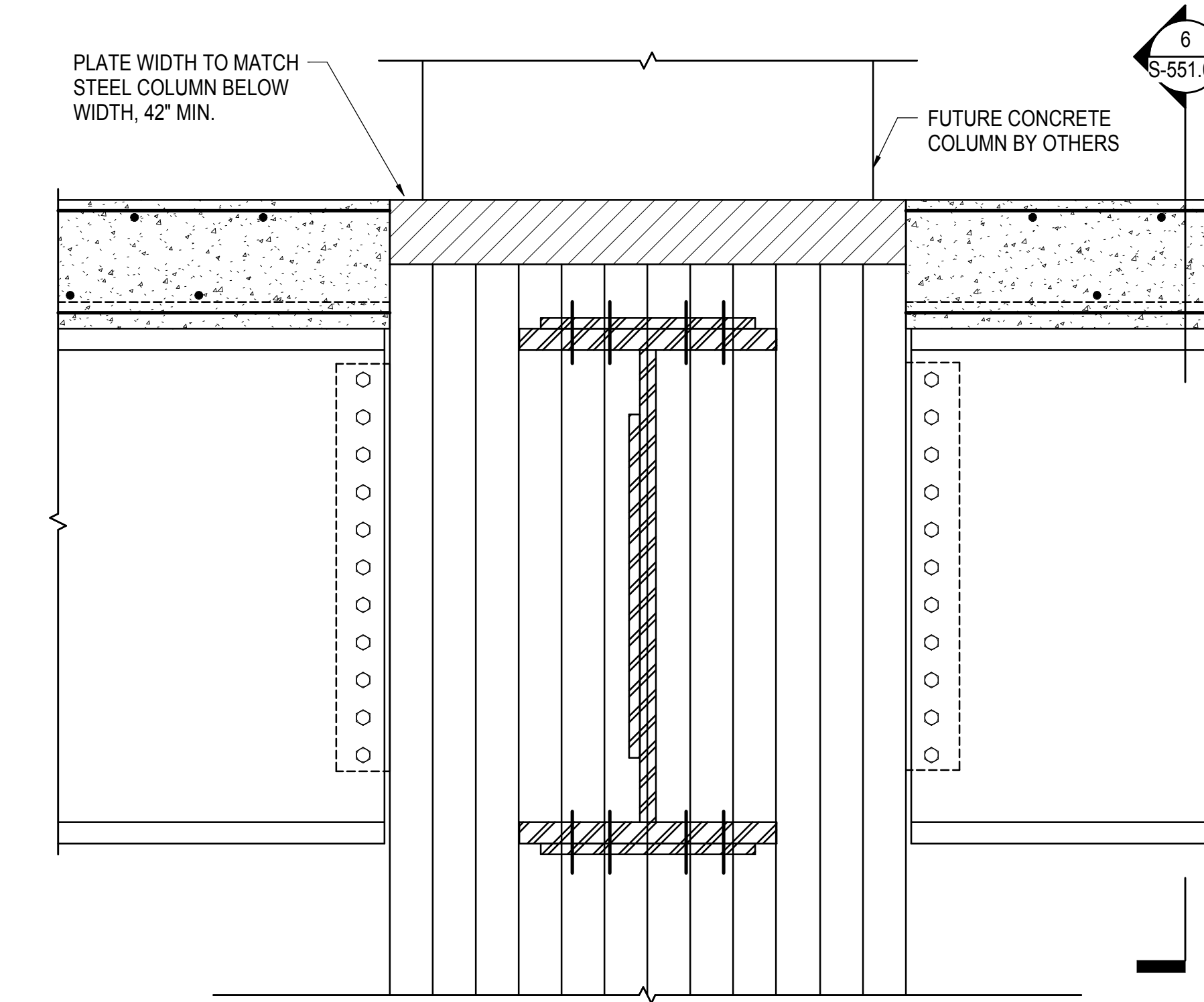
Rev Plot



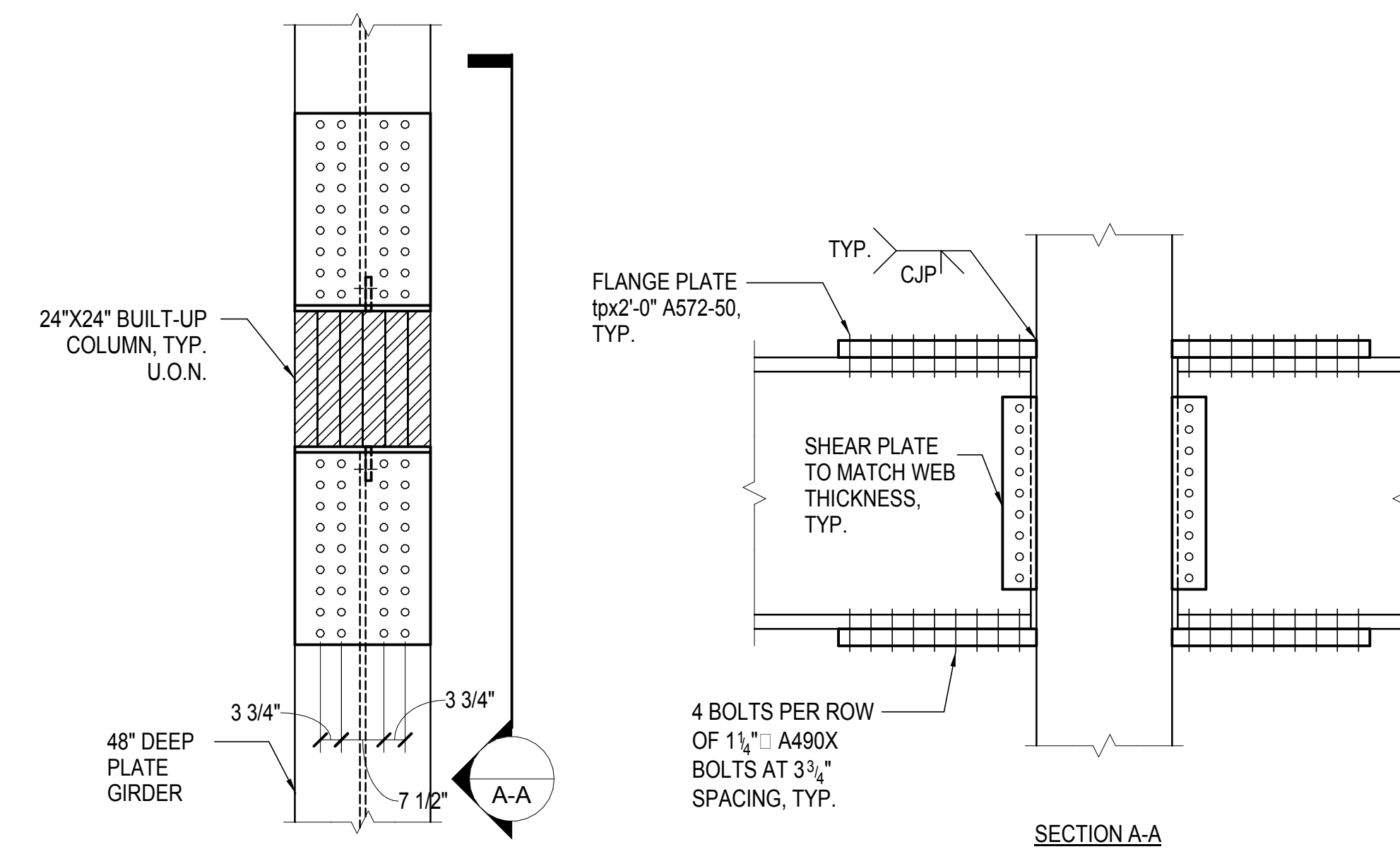
1 SECTION AT ELEVATOR PIT
3/4" = 1'-0"



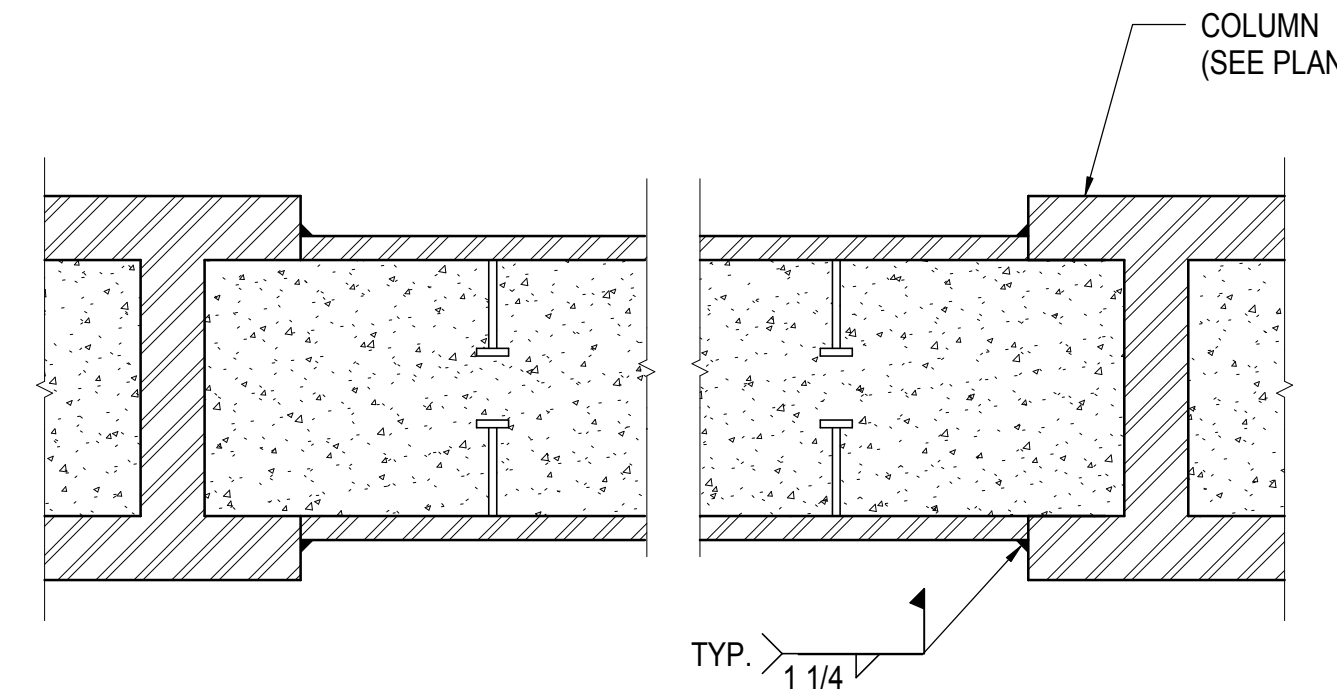
2 SECTION ON GRID LINE E2
1" = 1'-0"



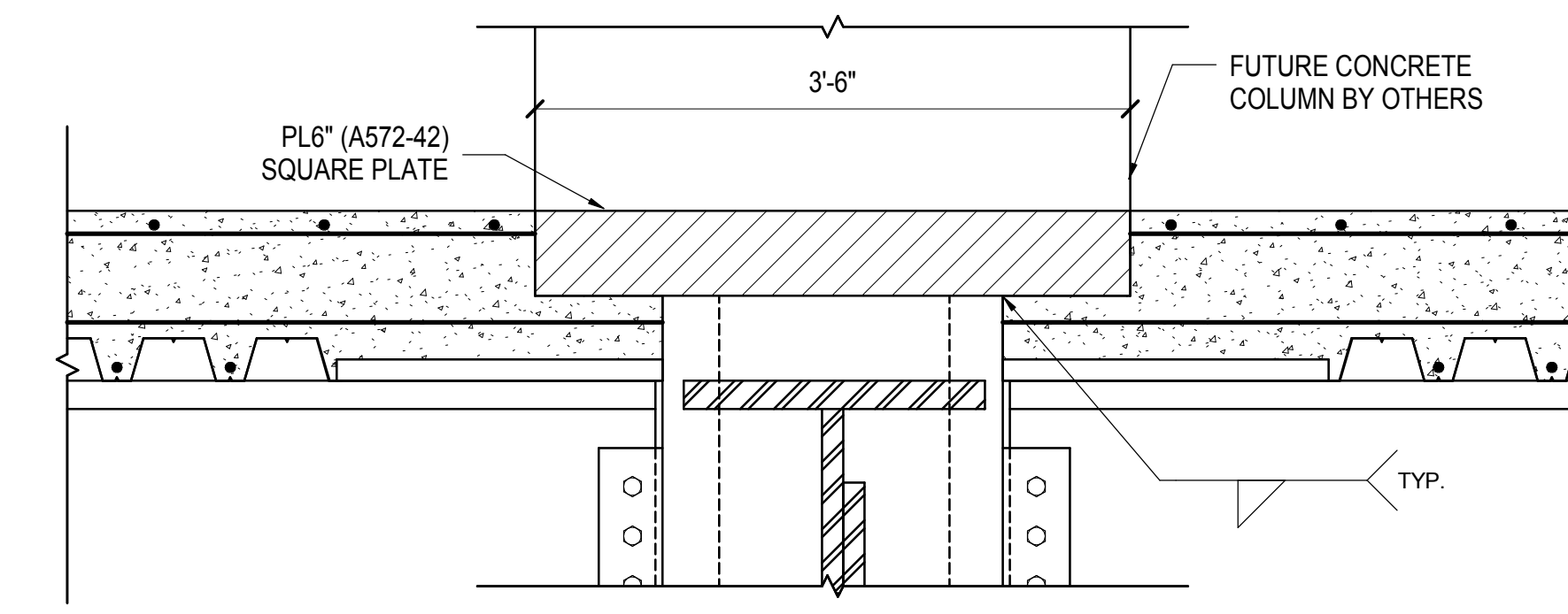
3 TYPICAL CAP PLATE AT CONCRETE COLUMN TRANSFER
1" = 1'-0"



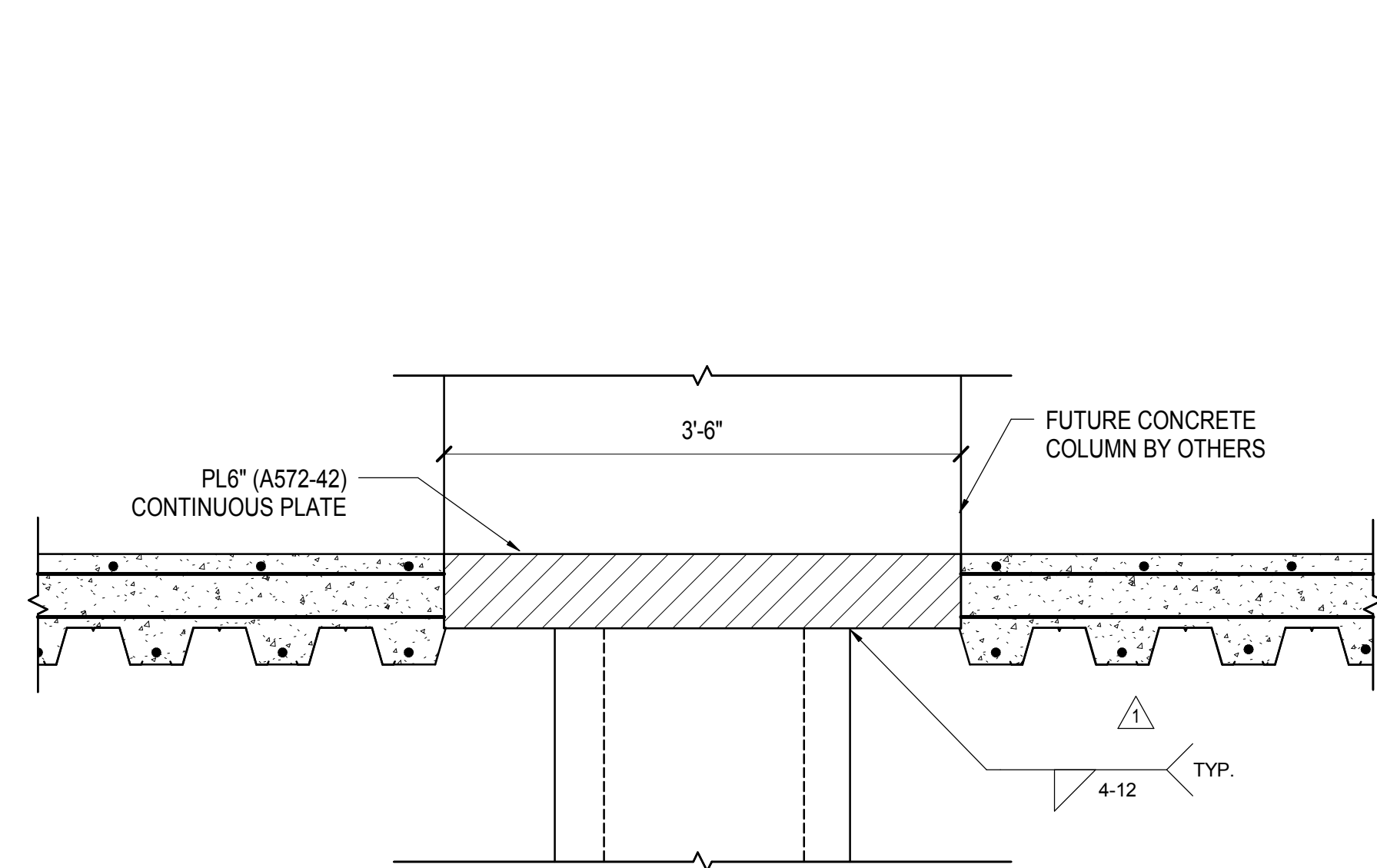
4 TYPICAL MOMENT CONNECTION DETAIL
1/2" = 1'-0"



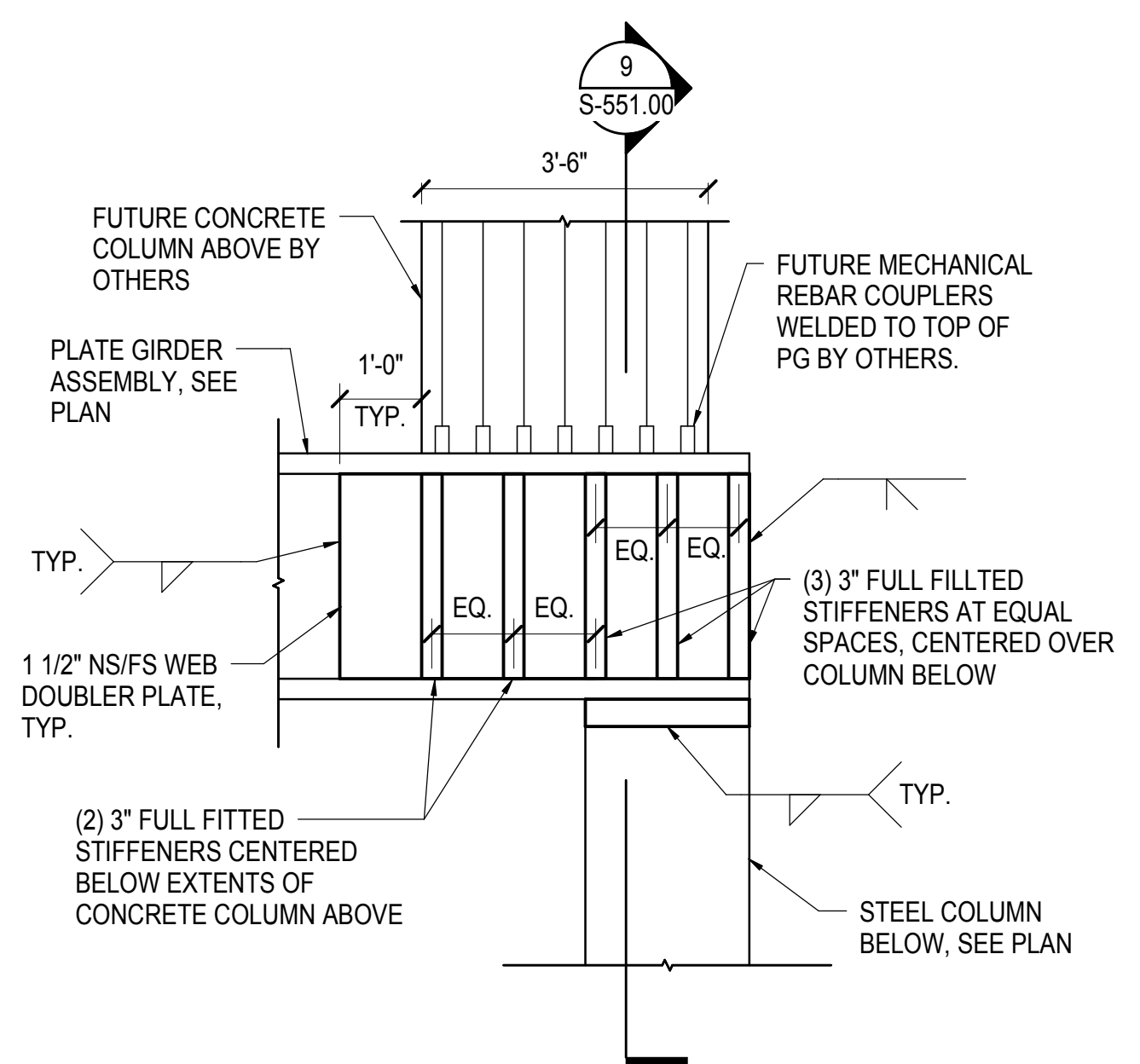
5 SECTION
1" = 1'-0"



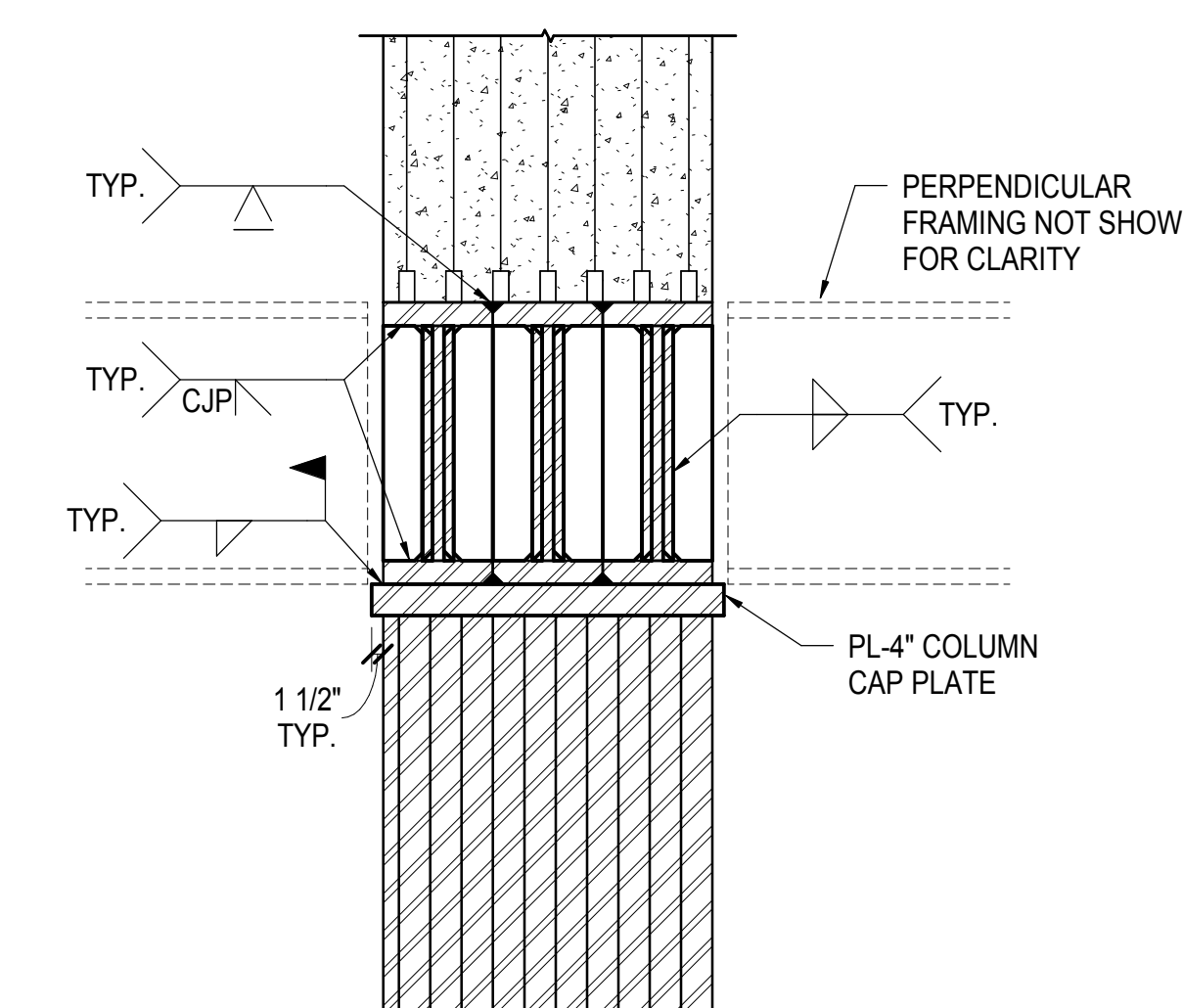
6 TYPICAL MOMENT CONNECTION DETAIL
1" = 1'-0"



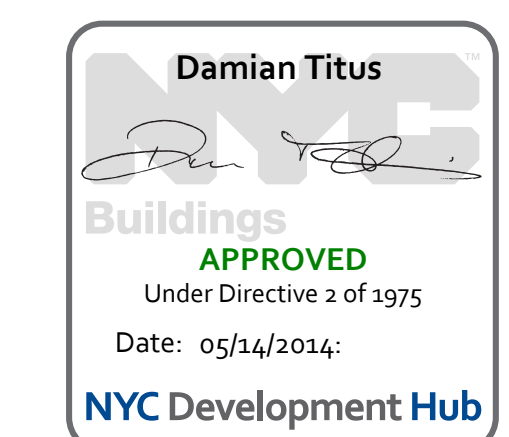
7 TYPICAL CAP PLATE AT CONCRETE WALL TRANSFER
1" = 1'-0"



8 TYPICAL GRID LINE E1 COLUMN TRANSFER
1/2" = 1'-0"



9 SECTION AT GRID LINE E1 COLUMN TRANSFER
1/2" = 1'-0"



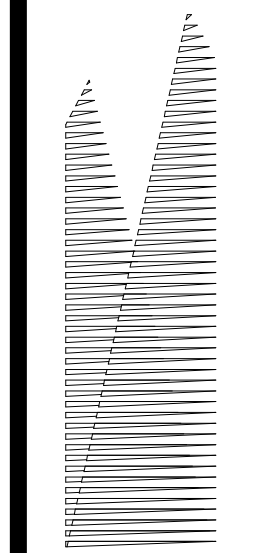
Date: 12/14/2012
Project No: N11330.00
Drawn by: Authot
Scale Number:

HYE -PL -S-551.00

**TOWER E SECTIONS &
DETAILS**

Drawing Number / Revision Drawing Number
S-551.00
SHEET 149 OF 201

FOR INFORMATION ONLY



Client
Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

Officed Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
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Architect
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PC Architects & Planning Consultants
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Thornton Tomasetti, Inc.
51 Madison Avenue
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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
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LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| A - DR-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A - DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
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| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Date

Date: 12/14/2012

Project No: N11330.00

Author

Issue Number

HYE -PL -S-552.00

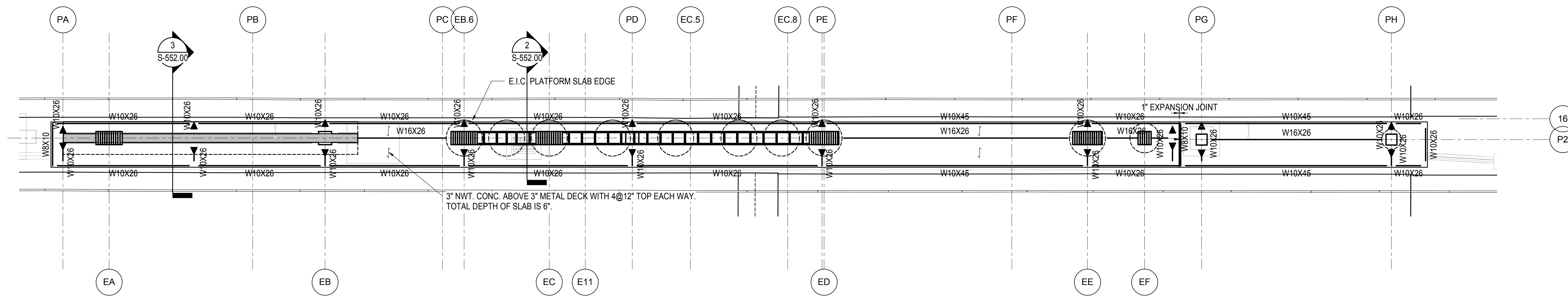
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TOWER E SECTIONS & DETAILS

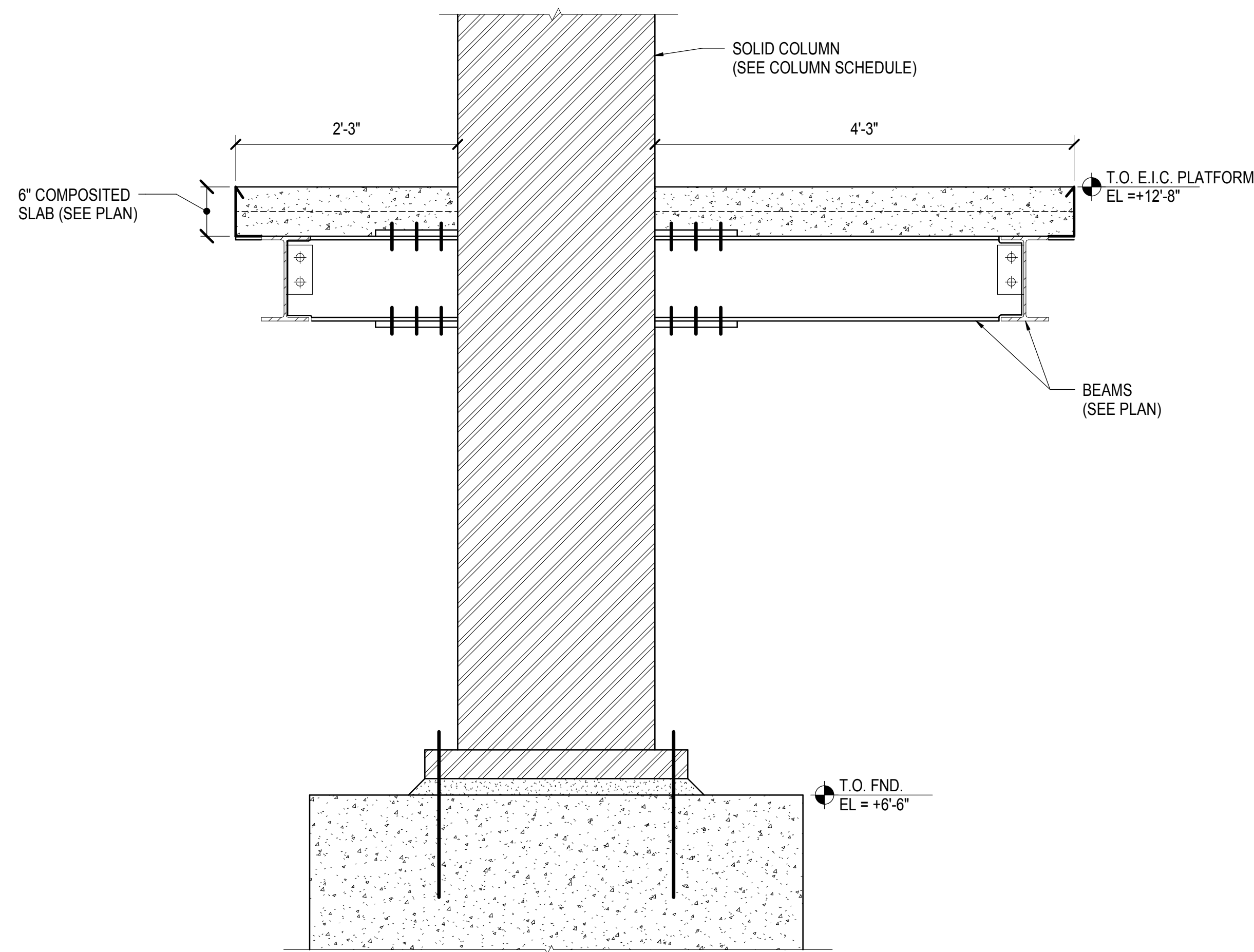
Drawing Number / Revision Drawing Number

S-552.00

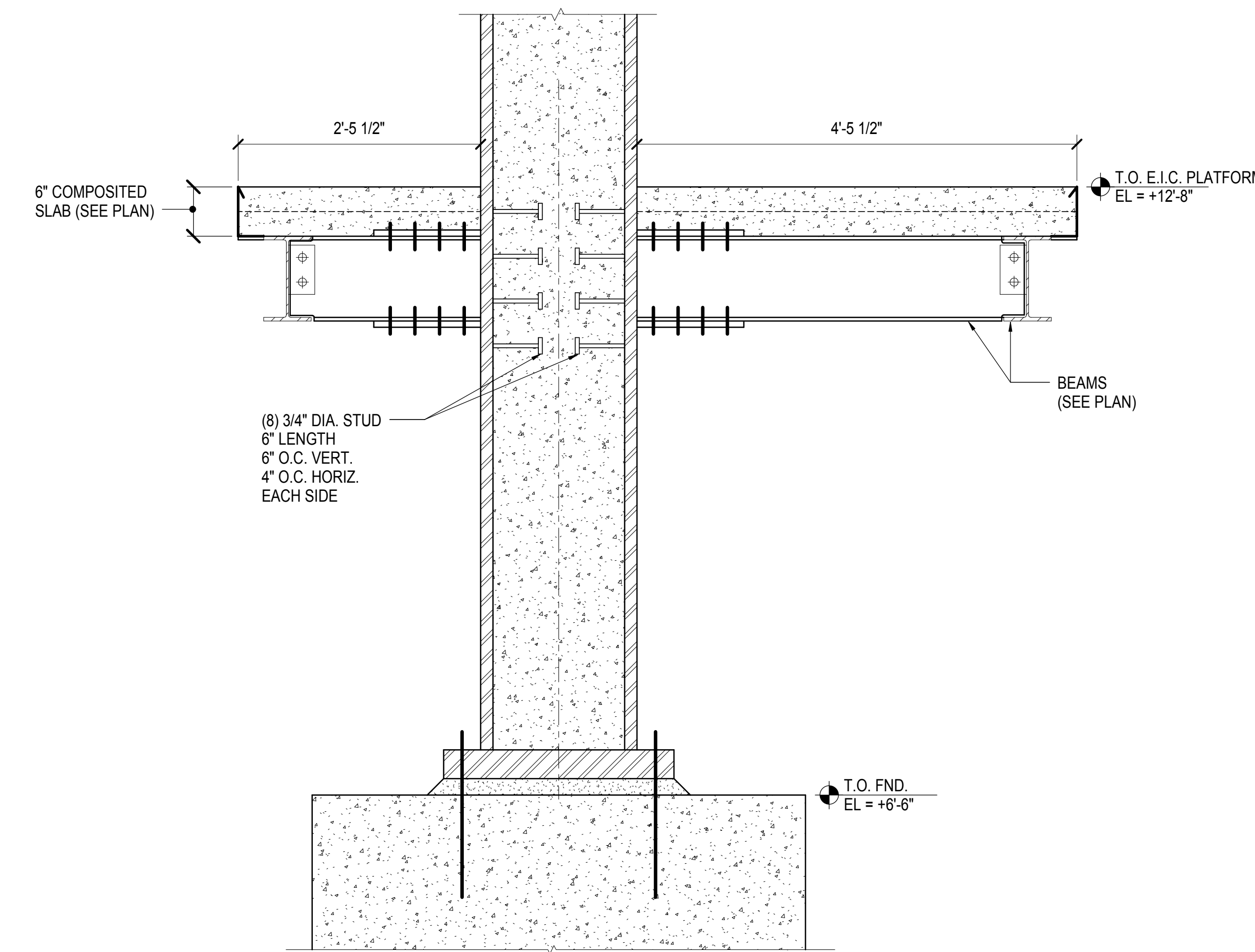
SHEET 150 OF 201



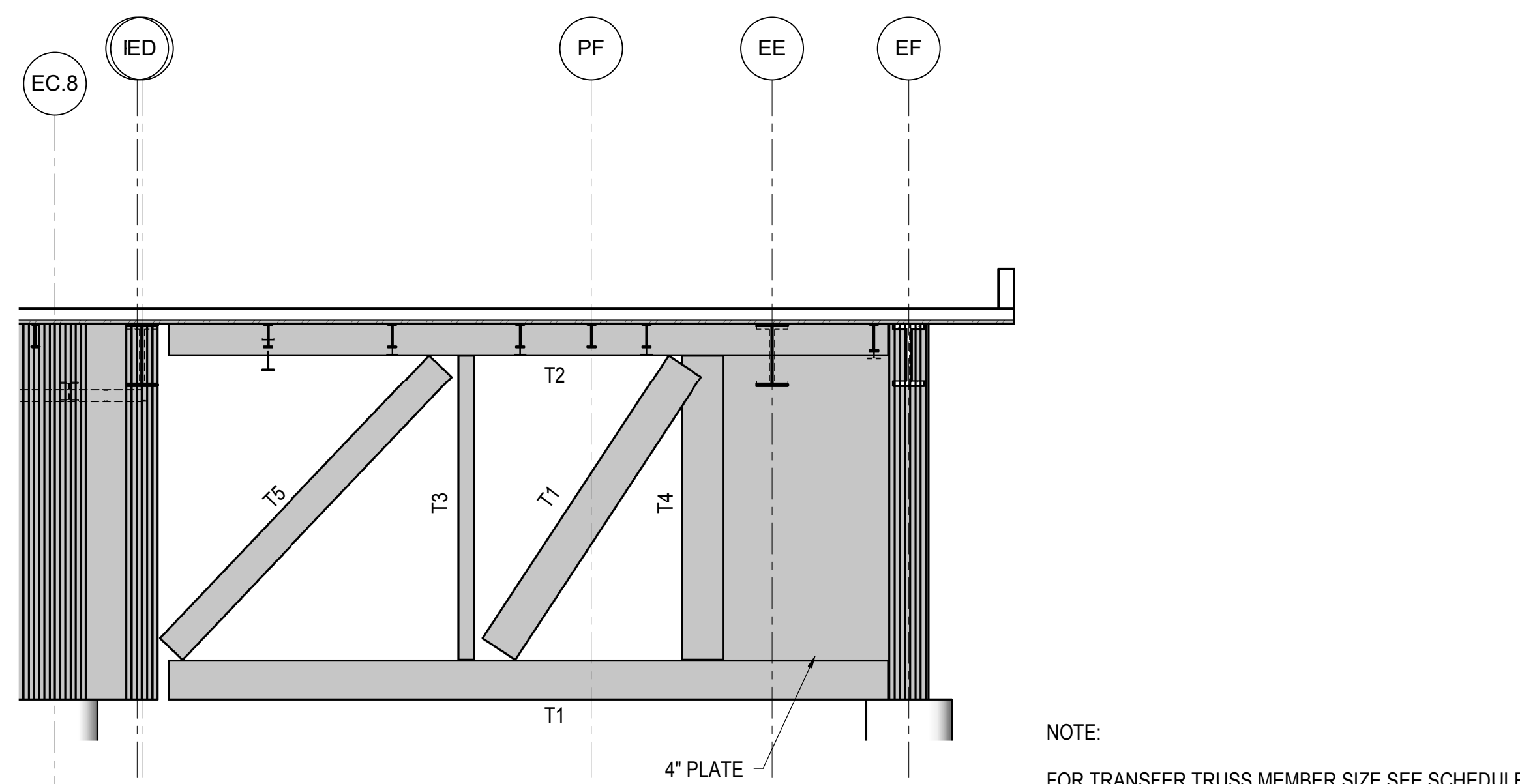
1 E.I.C. PLATFORM PLAN
1/8" = 1'-0"



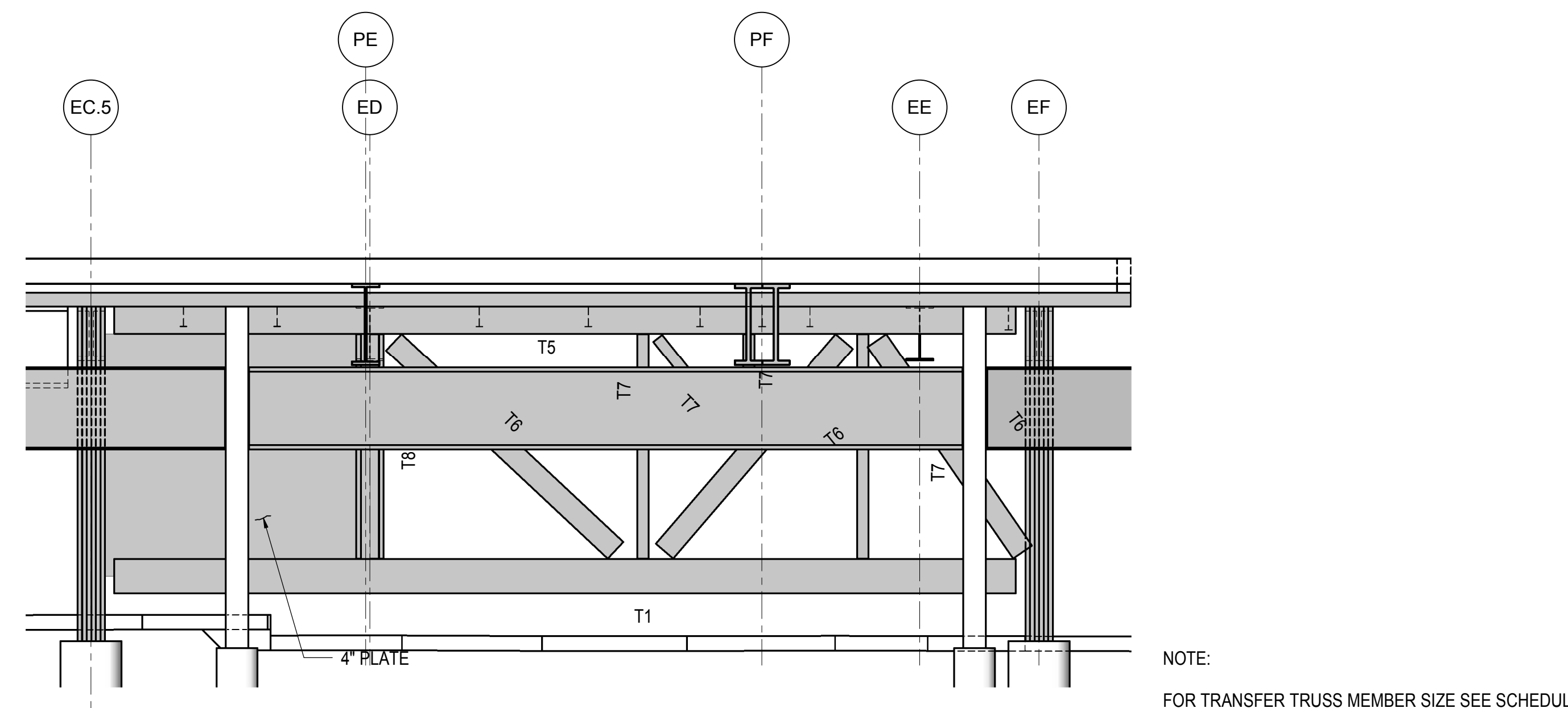
2 E.I.C. PLATFORM SECTION AT SOLID COLUMN
1" = 1'-0"



3 E.I.C. PLATFORM SECTION AT COMPOSITE WALL
1" = 1'-0"



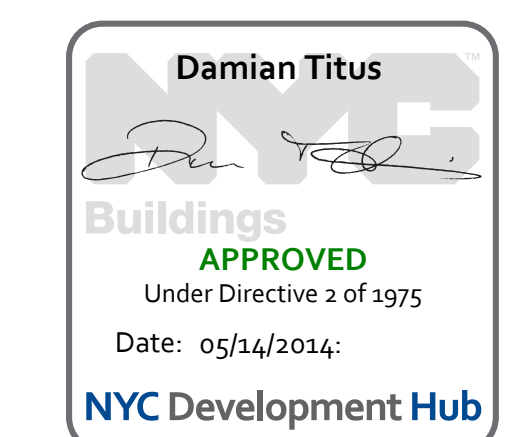
4 TRANSFER TRUSS ELEVATION
1/8" = 1'-0"



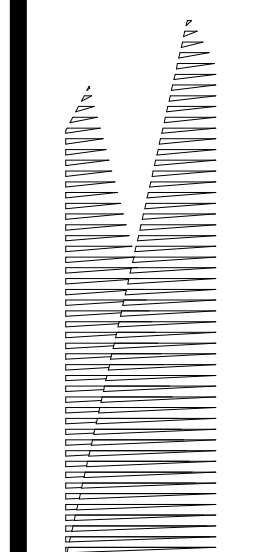
5 TRANSFER TRUSS ELEVATION
1/8" = 1'-0"

| MARK | DEPTH (IN) | FLANGE | | WEB |
|------|------------|------------|---------|---------|
| | | WIDTH (IN) | TH (IN) | TH (IN) |
| T1 | 24 | 30 | 4 | 4 |
| T2 | 24 | 24 | 4 | 12 |
| T3 | 24 | 12 | 4 | 4 |
| T4 | 24 | 32 | 4 | 4 |
| T5 | 24 | 24 | 4 | 4 |
| T6 | 24 | 20 | 4 | 4 |
| T7 | 24 | 10 | 4 | 4 |
| T8 | 24 | 44 | 4 | 4 |

6 SECTION AT 10TH AVE - V
1/4" = 1'-0"



FOR INFORMATION ONLY



Client
Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

Officed Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

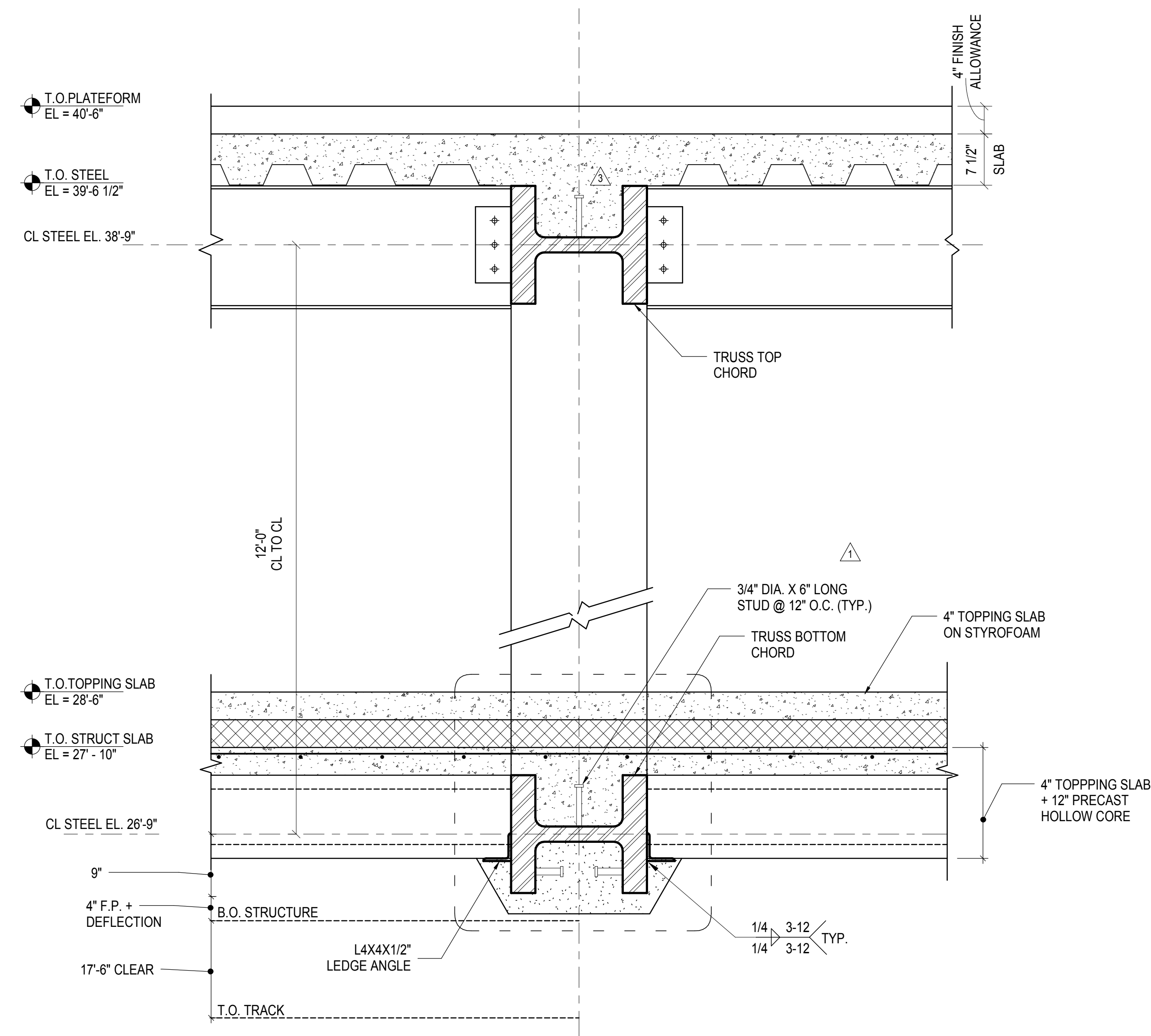
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

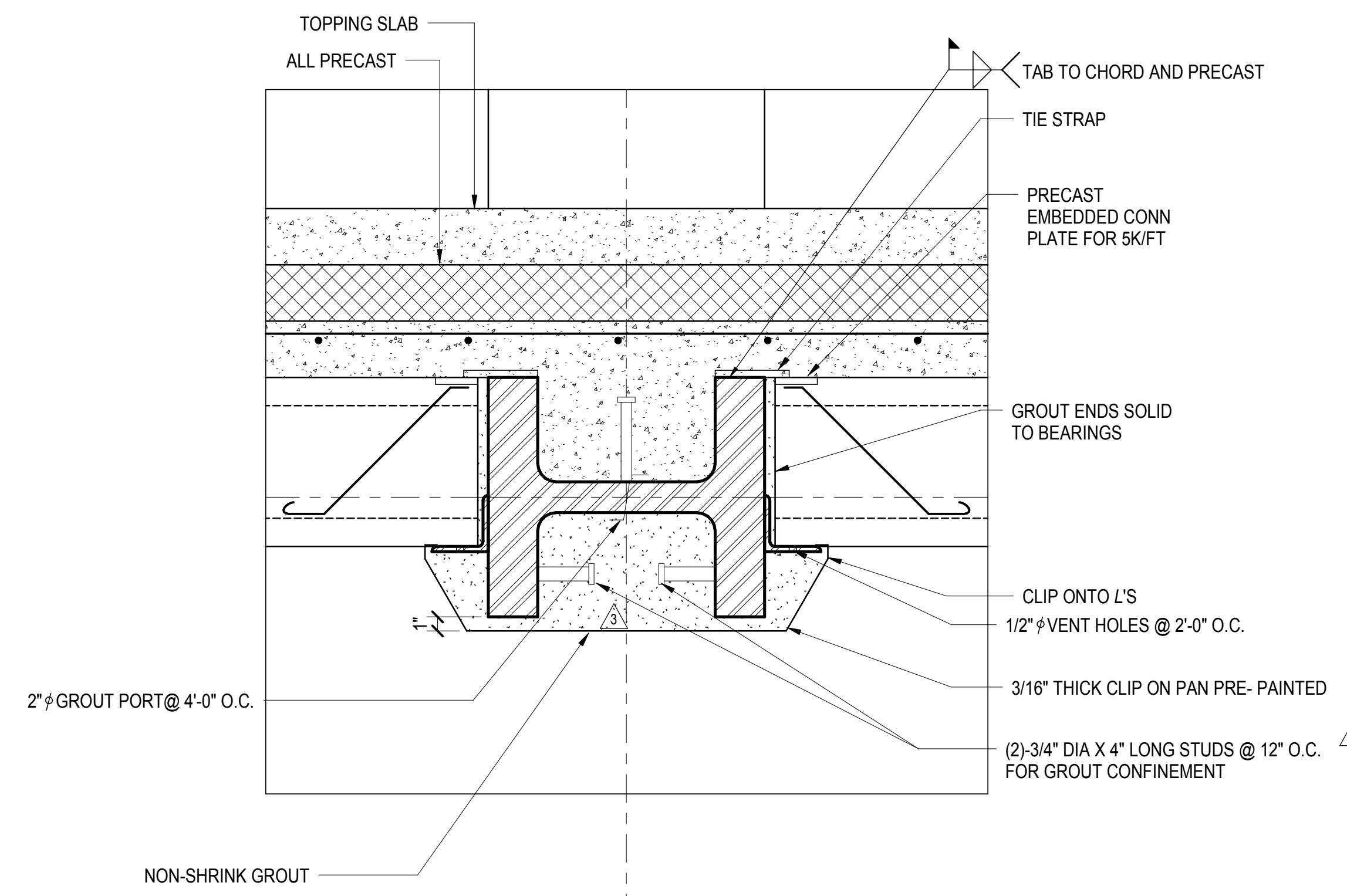
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

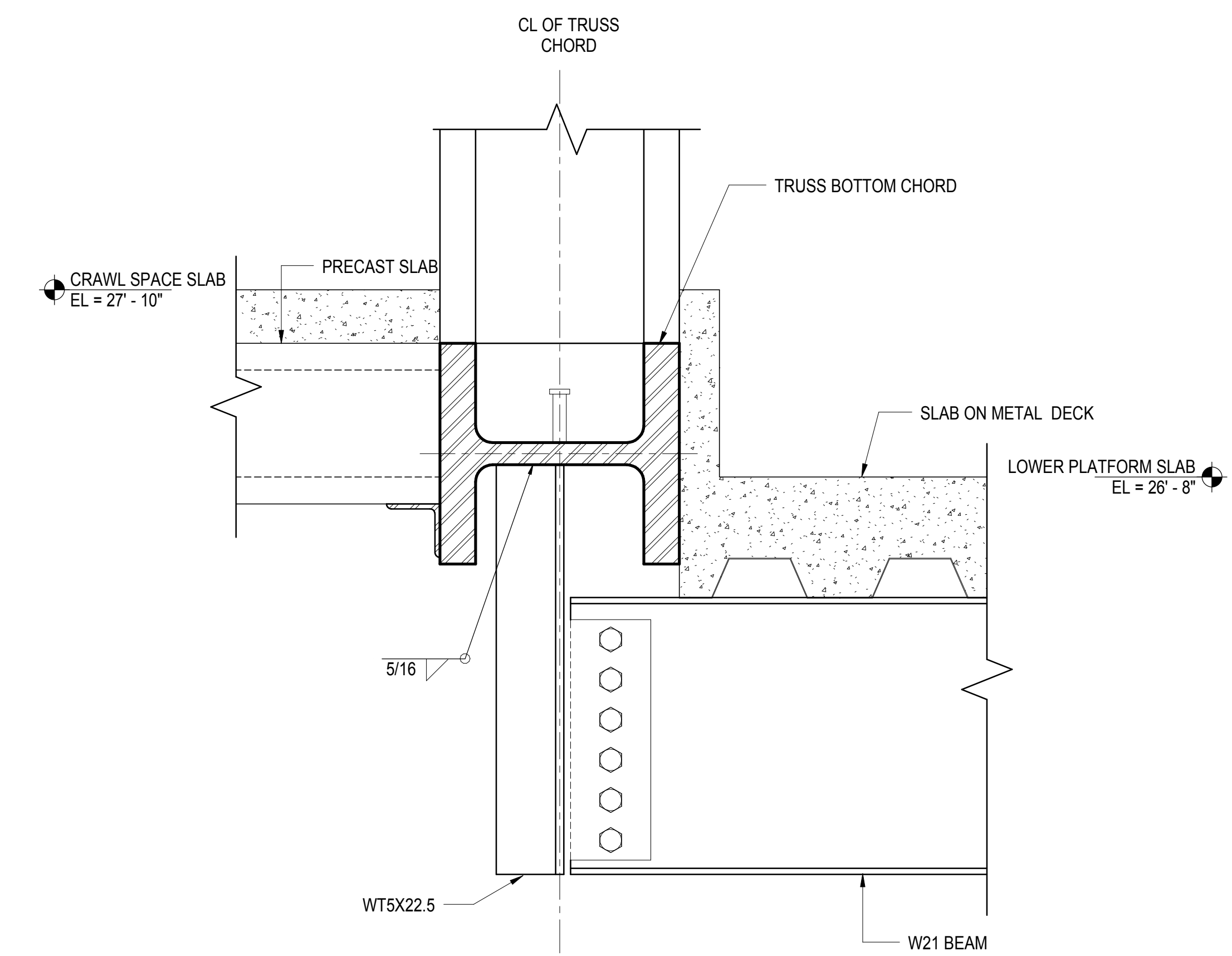
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



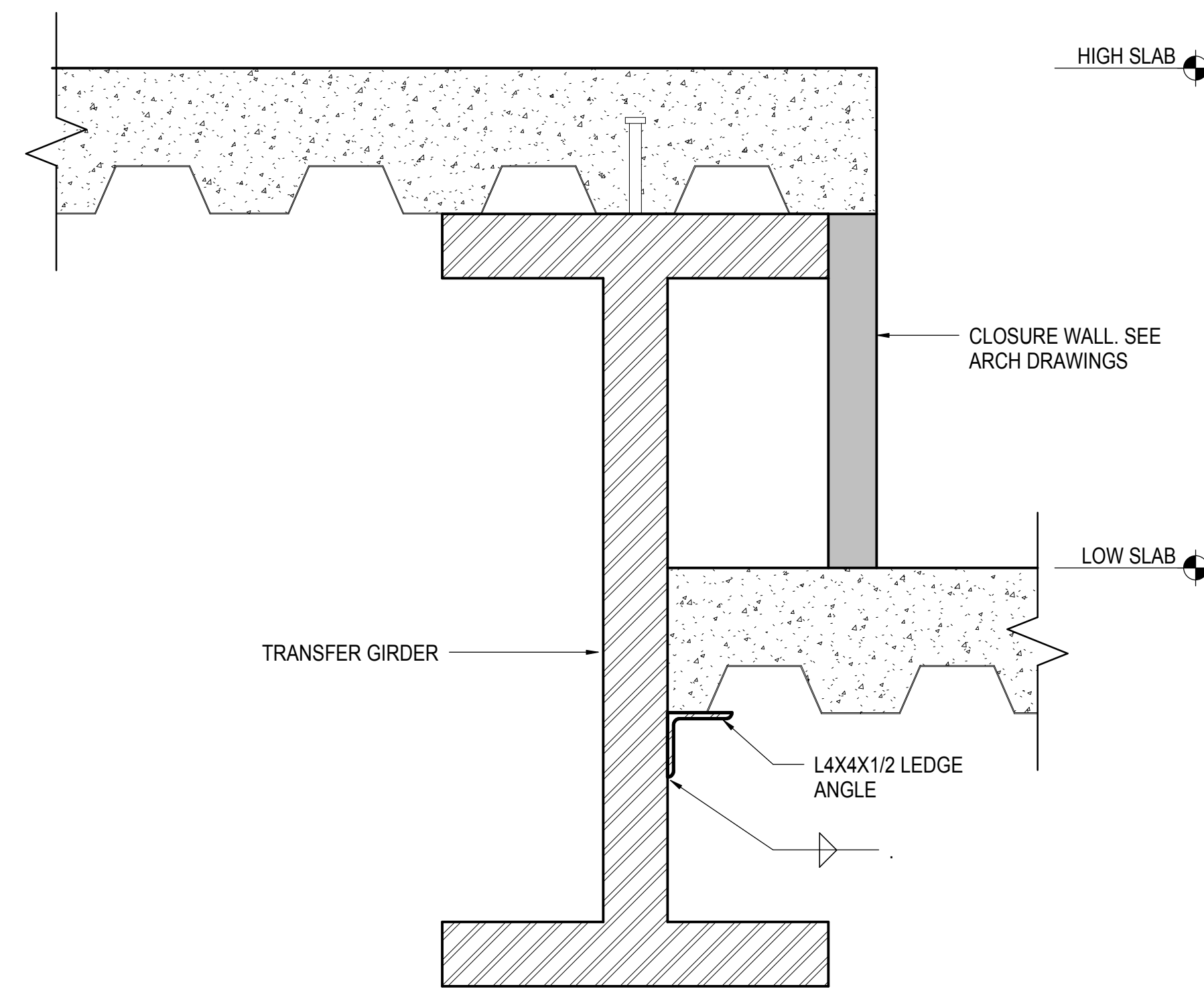
1 TYPICAL CRAWL SPACE SECTION
1" = 1'-0"



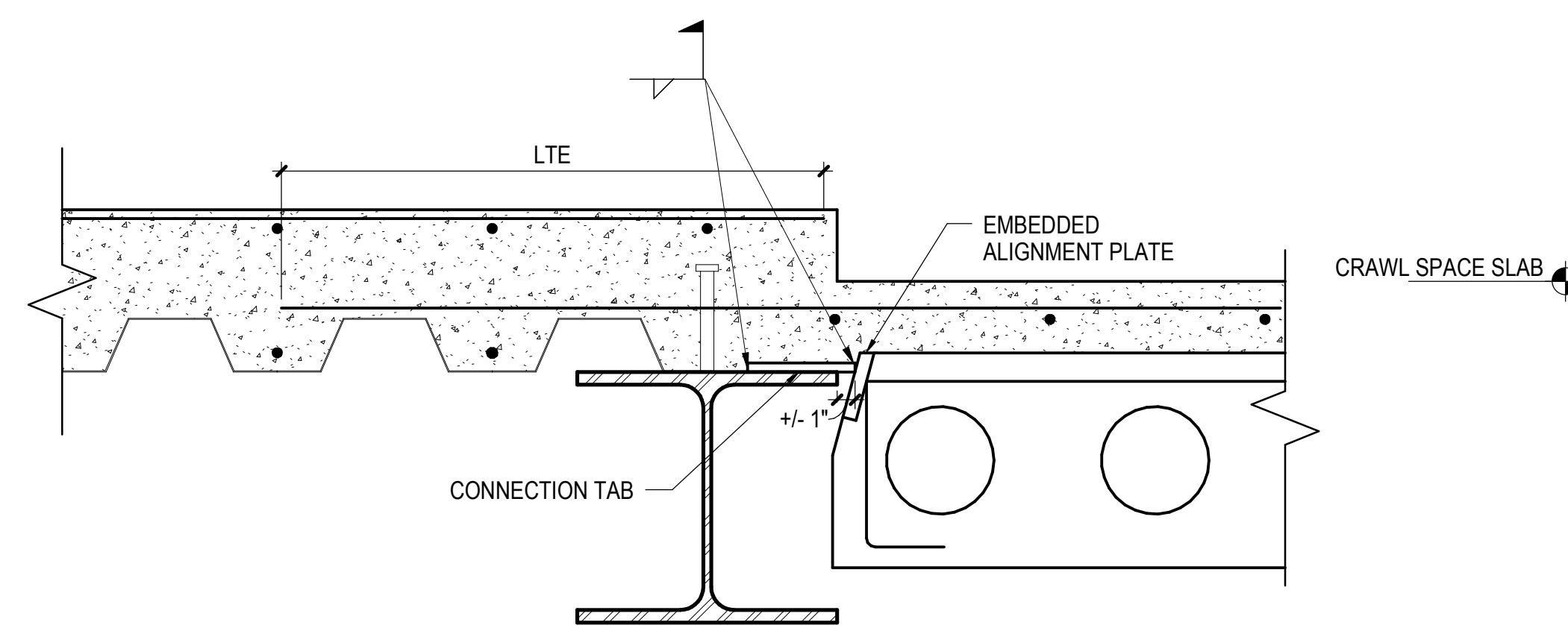
2 TYPICAL CRAWL SPACE SECTION
1 1/2" = 1'-0"



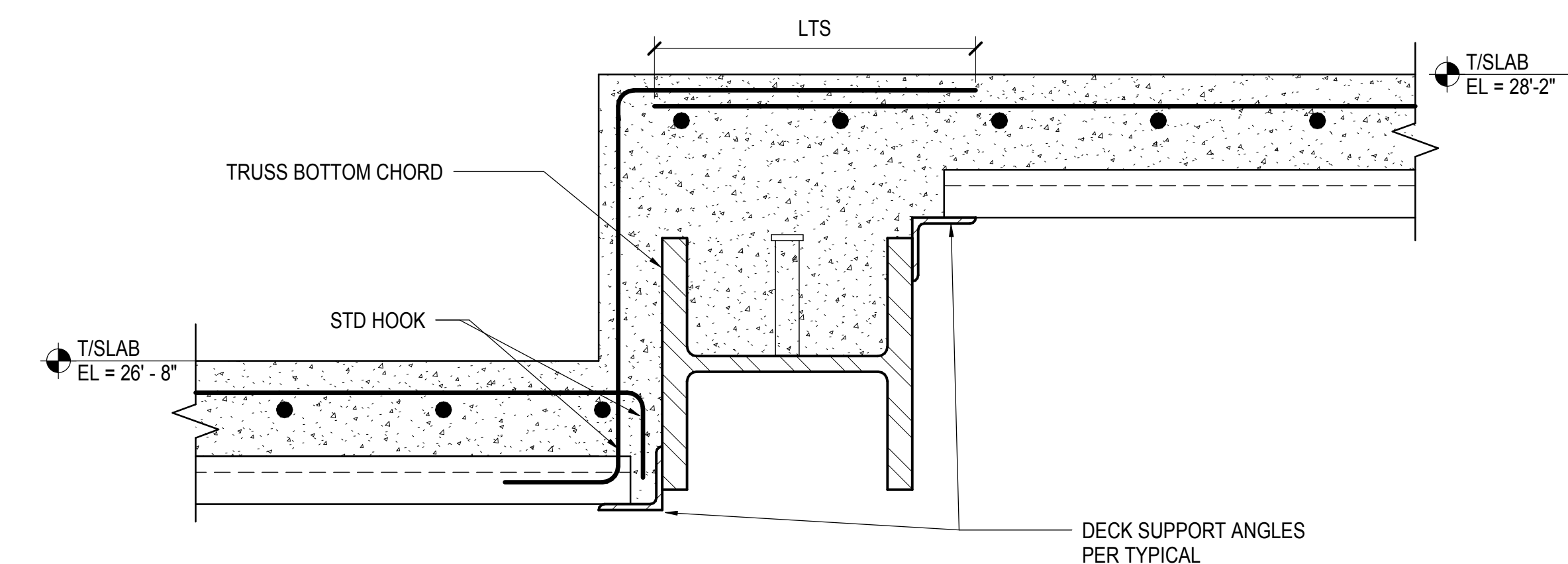
3 STEP AT TRUSS BOTTOM CHORD
1 1/2" = 1'-0"



4 TYPICAL STEP IN SLAB AT TRANSFER GIRDER LOCATIONS
1 1/2" = 1'-0"



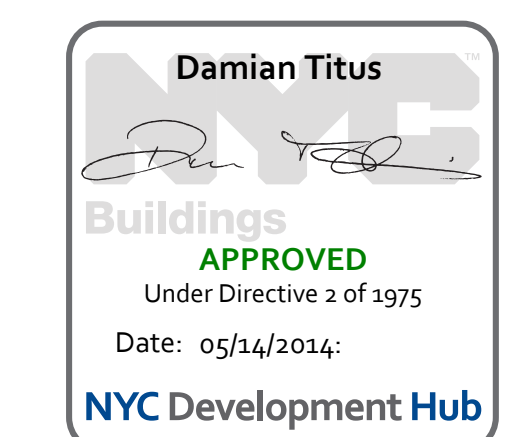
5 TYPICAL STEP IN SLAB AT CRAWL SPACE
1 1/2" = 1'-0"



6 STEP IN SLAB AT TRUSS T12G
1 1/2" = 1'-0"

| | |
|-------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

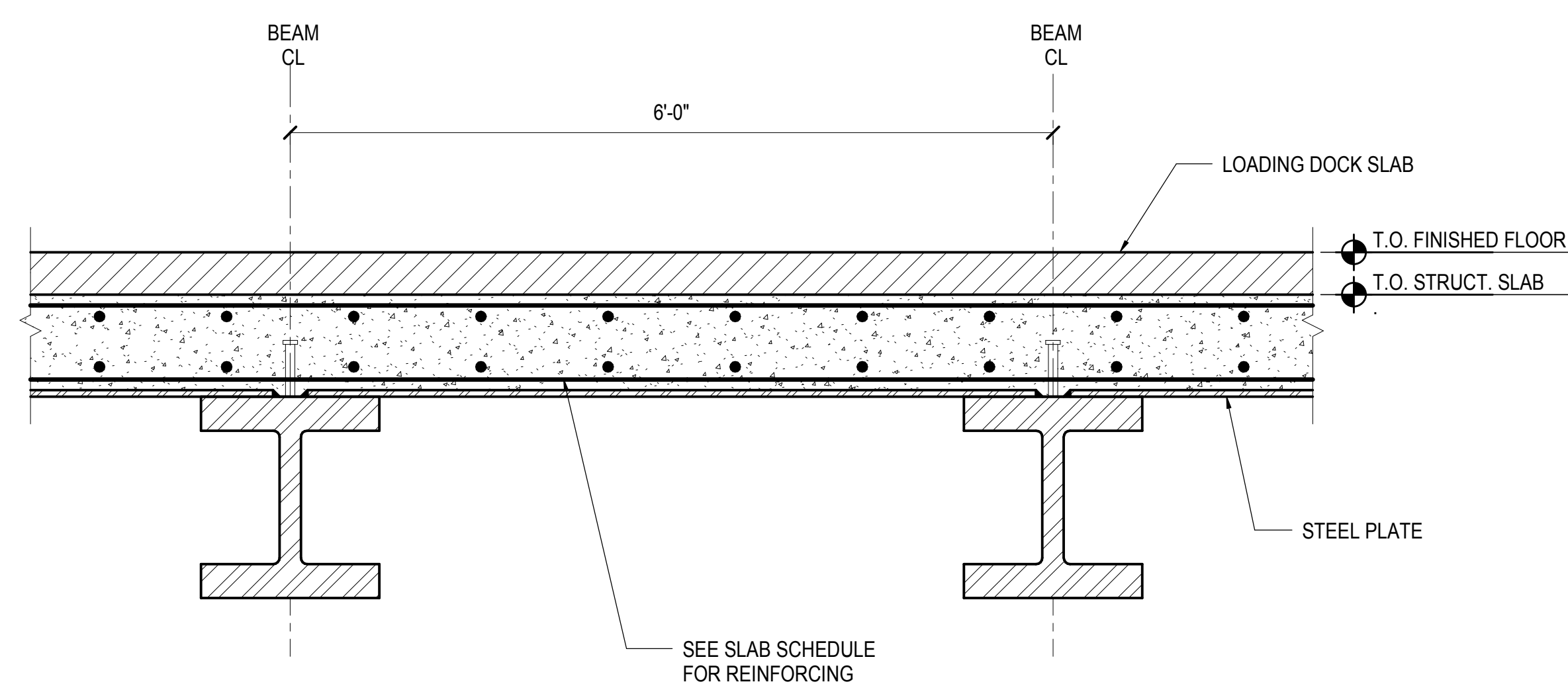
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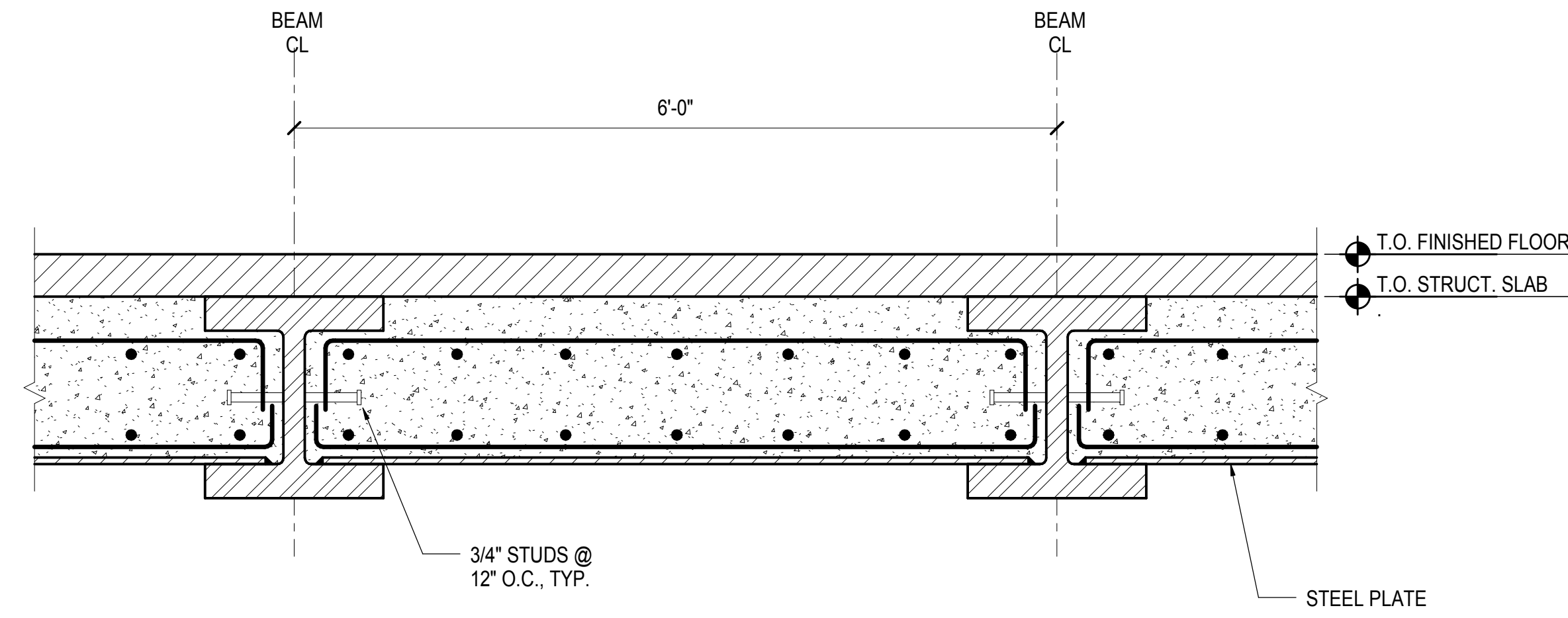
Date: 02/15/2013
Project No: N11330.00
Author: [Signature]

HYE -PL -S-601.00
Drawing Title
EAST PLATFORM SLAB SECTIONS & DETAILS

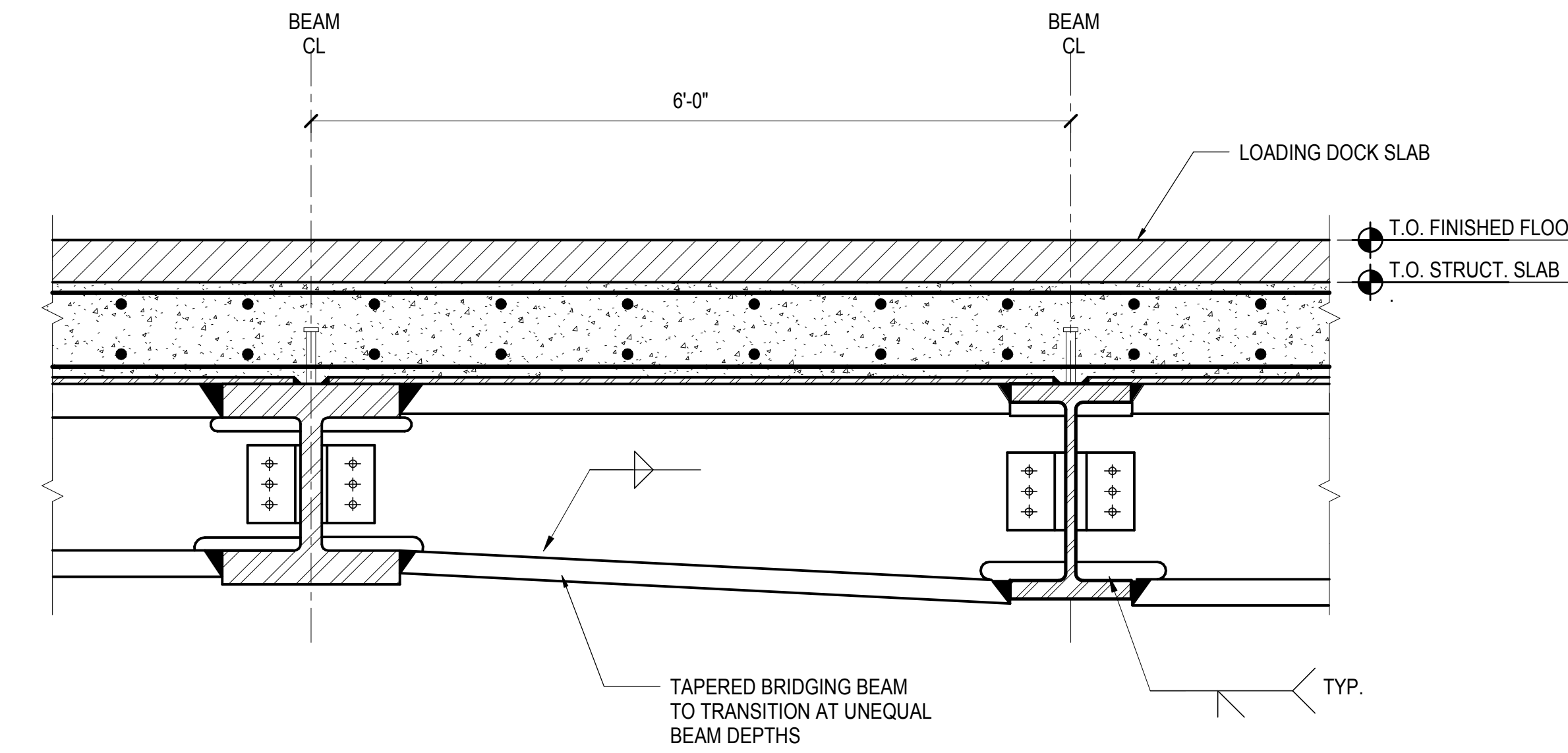
Drawing Number / B/S/C/N Drawing Number
S-601.00



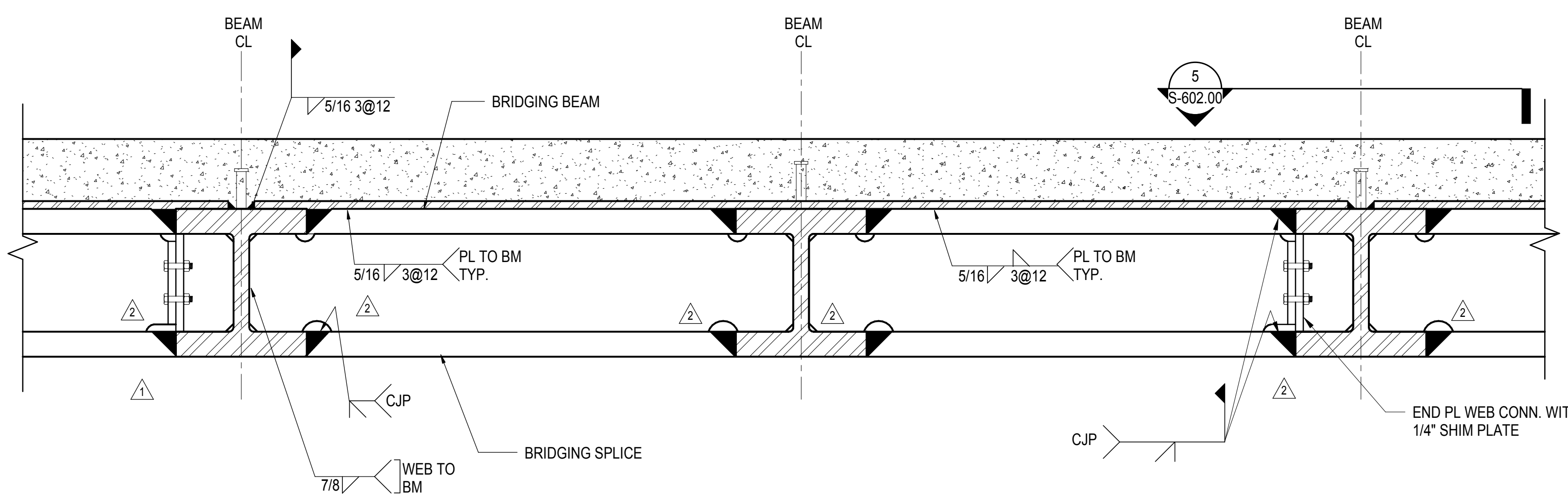
1 TYPICAL 10TH AVE LOADING DOCK SLAB



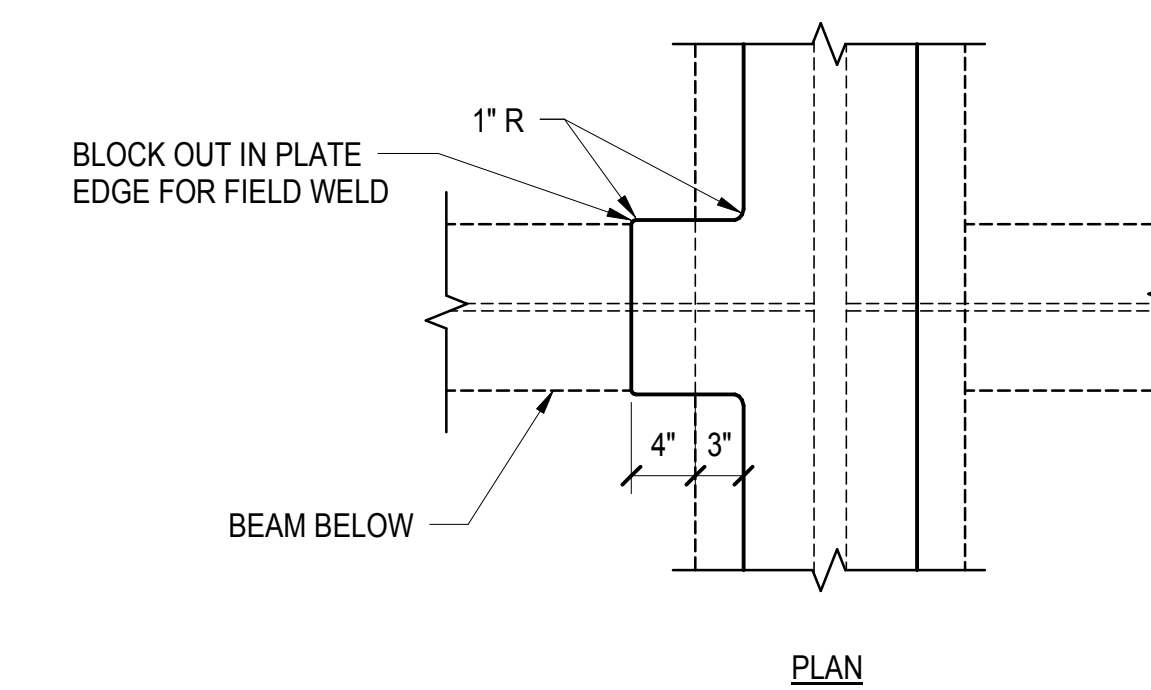
2 10TH AVE. LOADING DOCK SLAB AT HIGH FRAMING



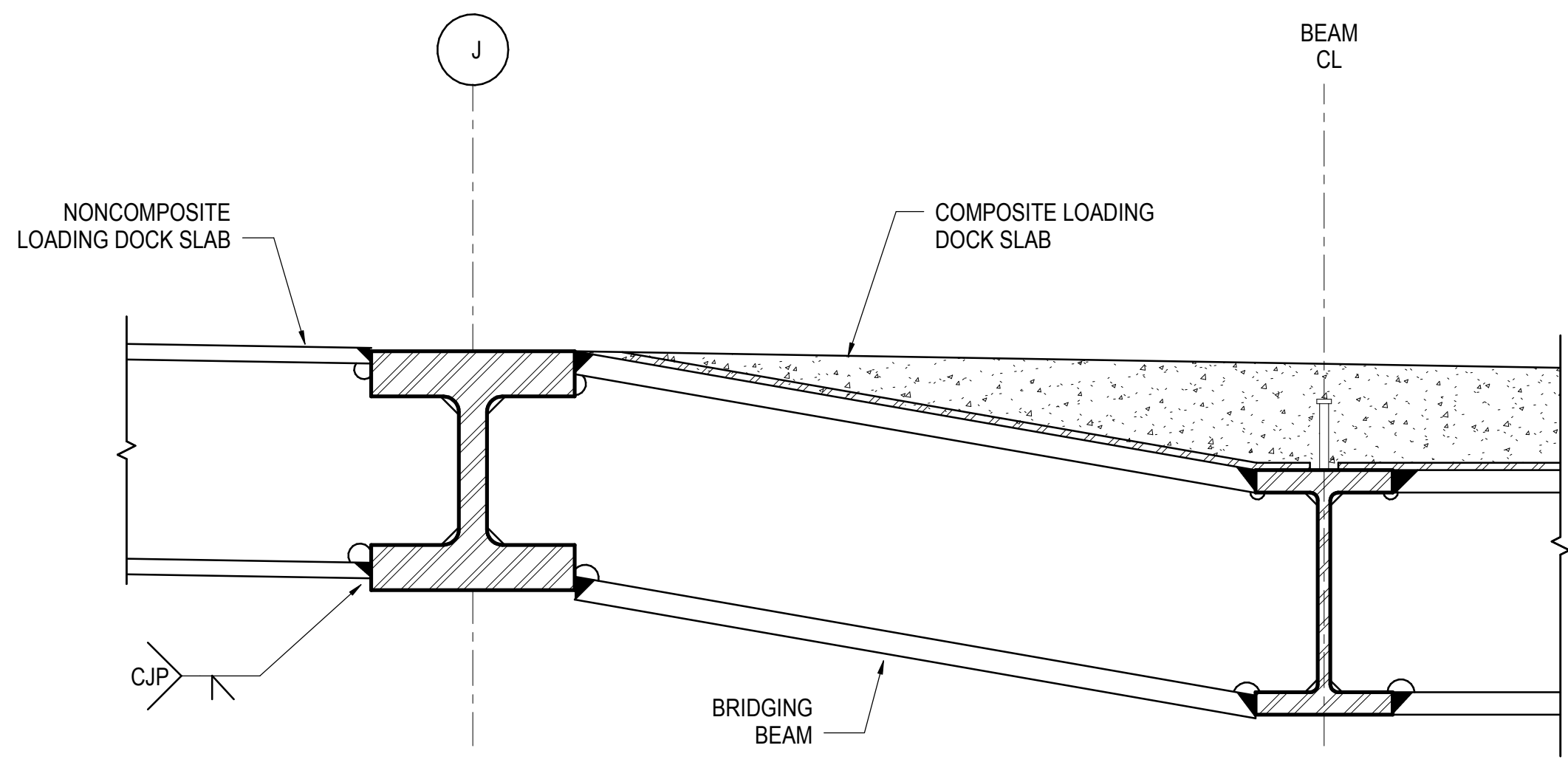
3 TRANSITION BRIDGING BEAM AT 10TH AVE. LOADING DOCK



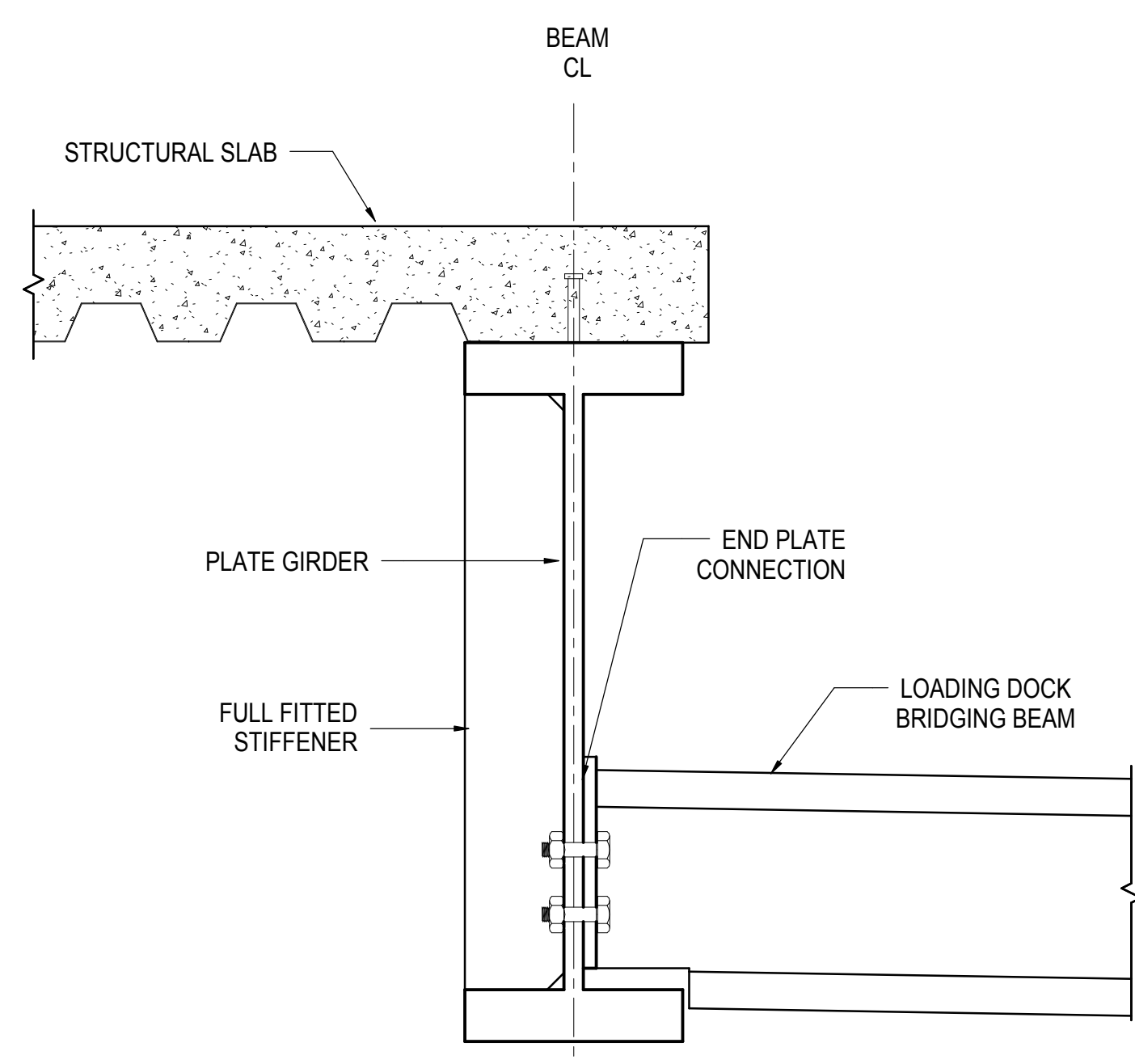
4 TYPICAL BRIDGING BEAM SPLICE AT 10TH AVE. LOADING DOCK



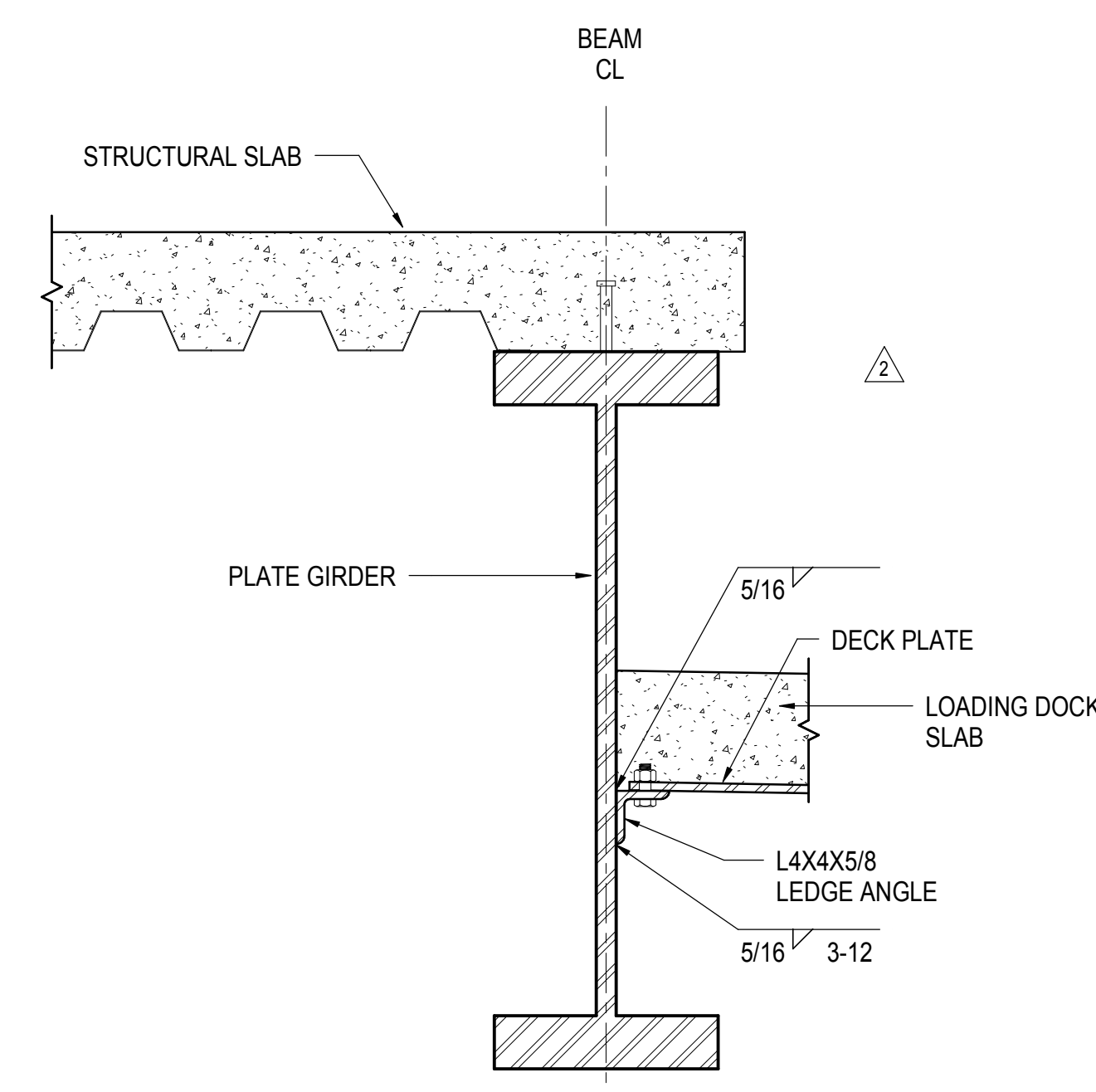
5 PLAN OF TYPICAL BRIDGING BEAM SPLICE AT 10TH AVE. LOADING DOCK



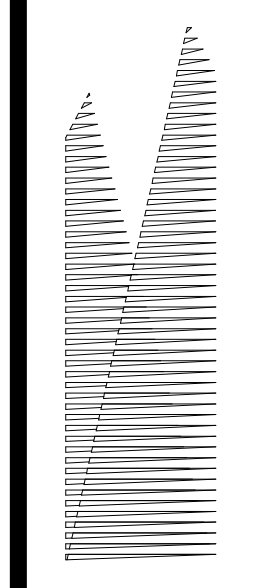
6 SECTION AT LOADING DOCK TRANSITION BETWEEN COMPOSITE AND NONCOMPOSITE SLAB



7 SECTION AT GRID H PLATE GIRDER AND BRIDGING BEAM



8 SECTION AT GRID H PLATE GIRDER AND SLAB



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Fire Alarm, Fire Protection, Security
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LIRR Substation
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| | |
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U PLATFORM SUBMISSION | |
| Δ DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE 1 FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

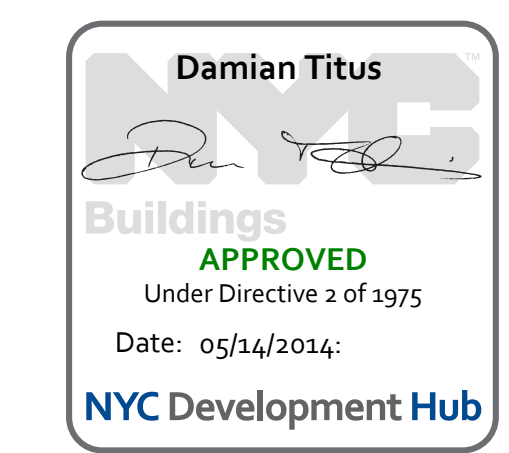
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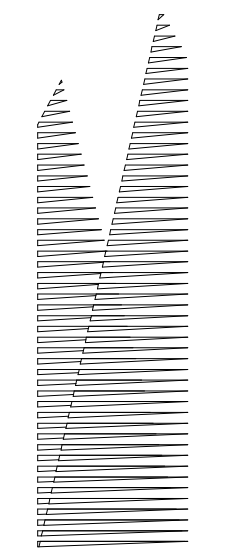
Date: 02/15/2013
Project No: N11330.00
Author: Damian Titus

HYE -PL -S-602.00
Drawing Title
10TH AVE LOADING DOCK - SECTIONS AND DETAILS

Drawing Number / Revision Drawing Number
S-602.00

SHEET 152 OF 201





Client
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60 Columbus Circle
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRELIMINAL 100% | 11/22/2013 |
| MdE - PLATFORM SUBMISSION | |
| DI-02 PHASE I STRUCTURAL UPDATE | 11/17/2013 |
| NYC DOB FILING | 10/24/2013 |
| DI-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| Rev | Description |

Rev. No.

Date: 08/09/2013

Project No: N11330.00

Drawn By: Author

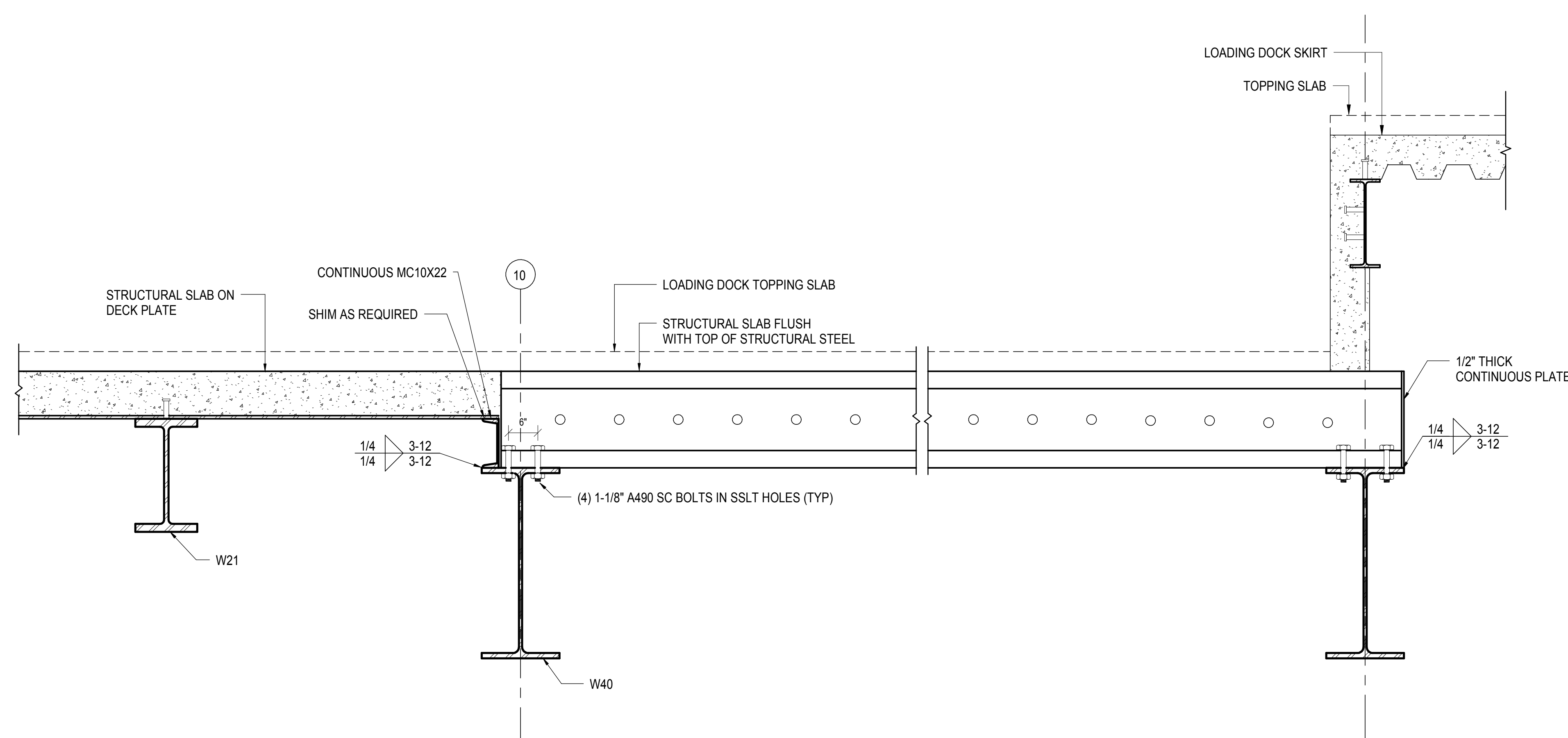
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HYE-PL-S-603.00

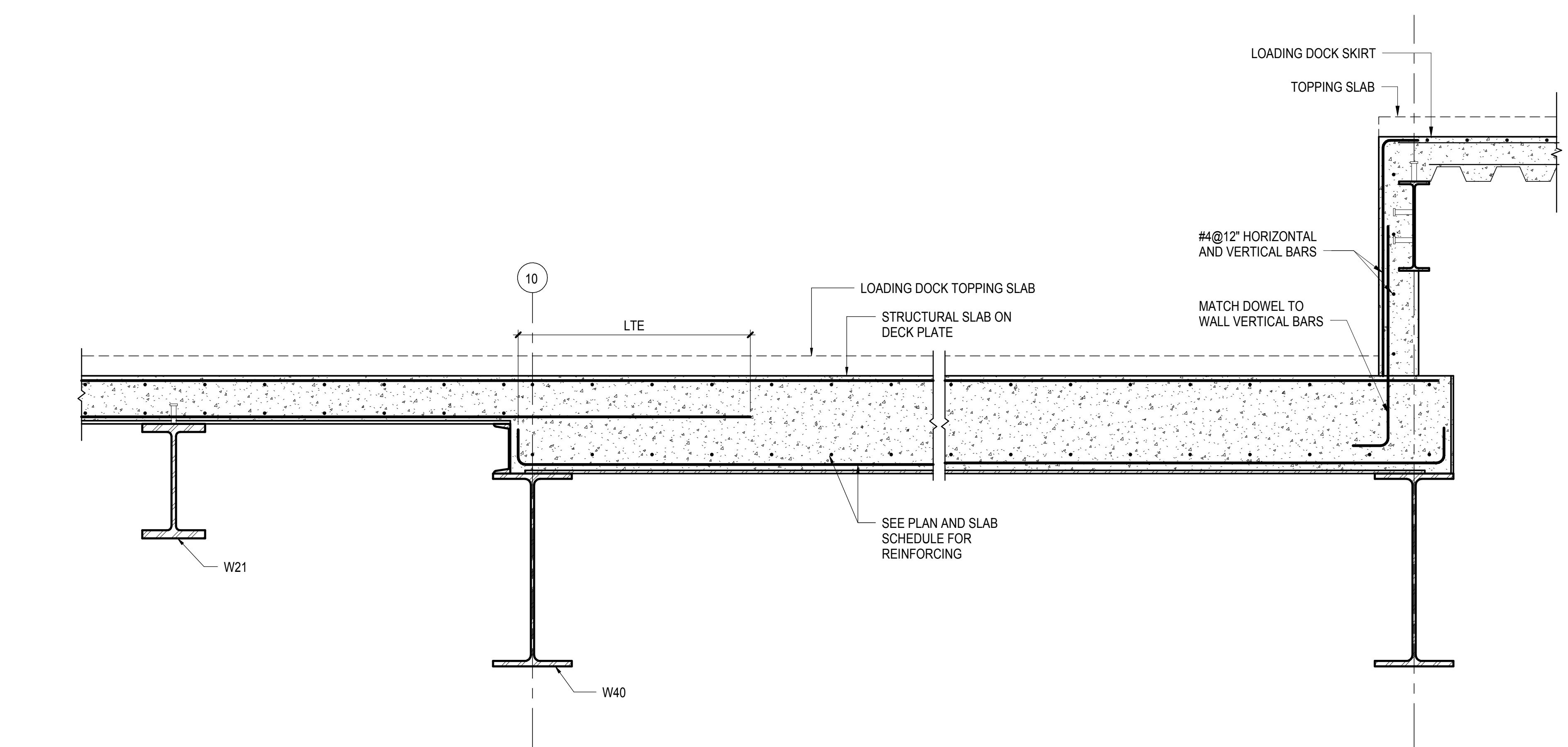
10TH AVE LOADING DOCK - SECTIONS AND DETAILS

Drawing Number / BSC/IS Drawing Number

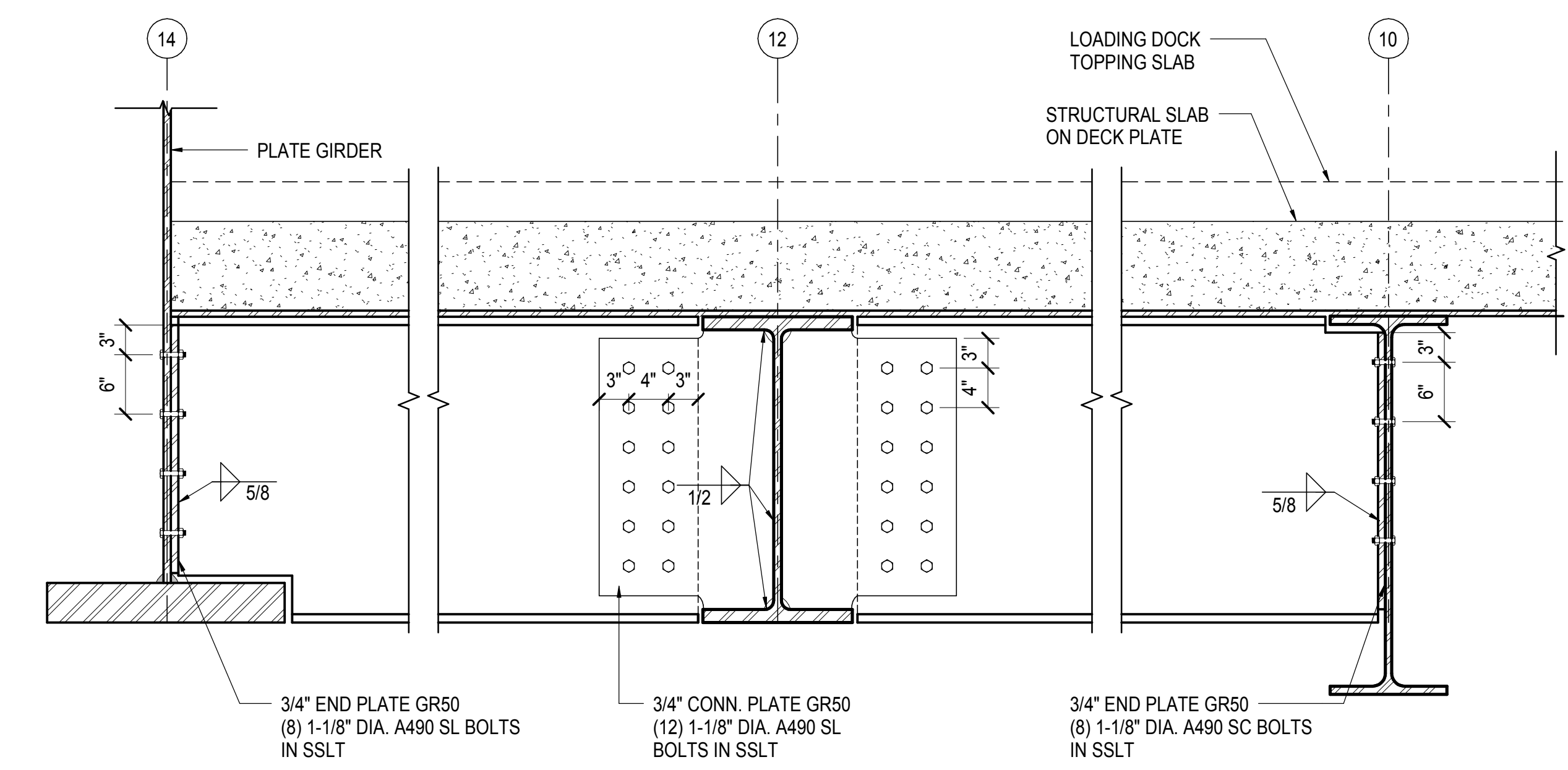
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SHEET 153 OF 201



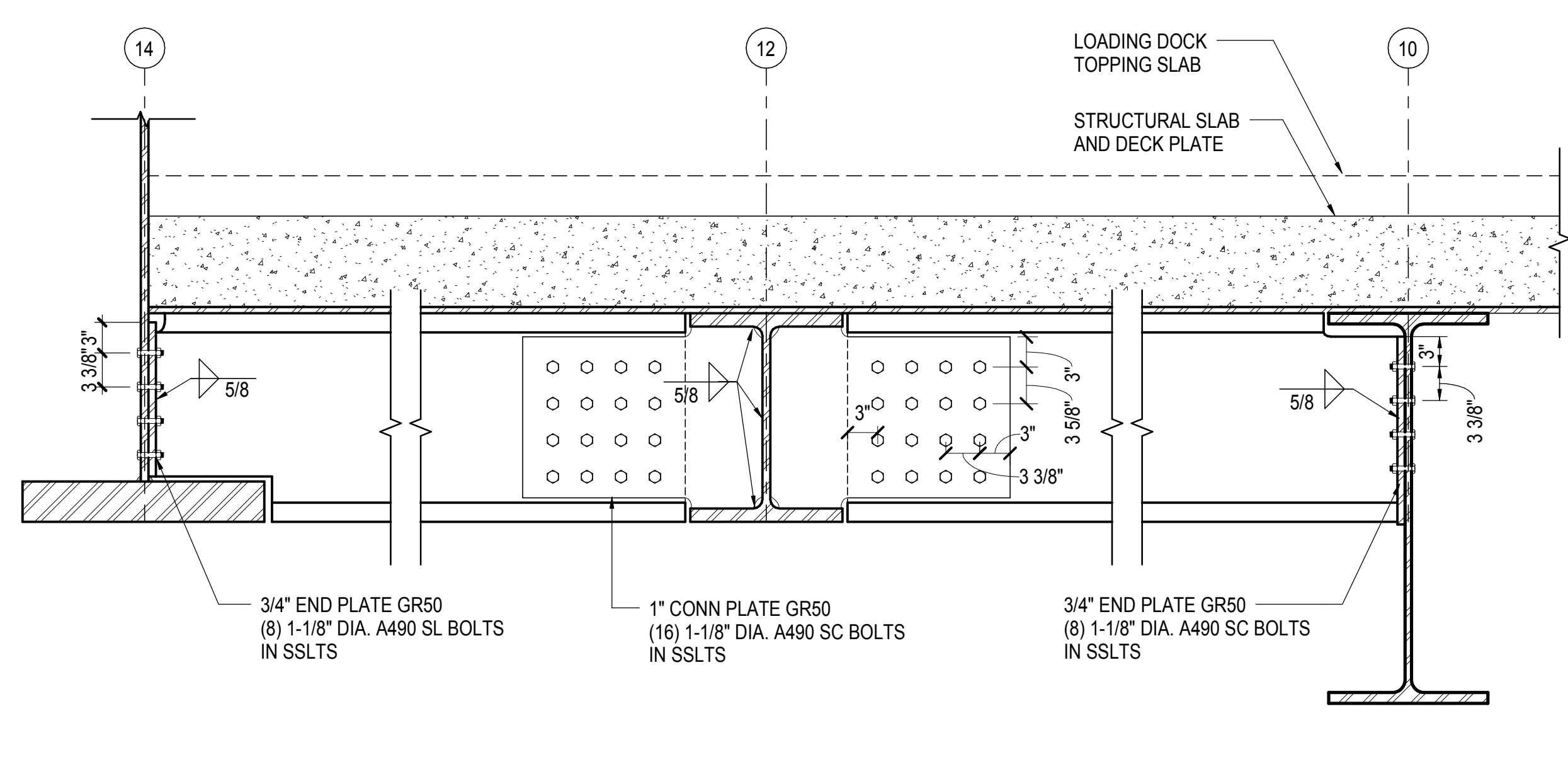
1 SECTION AT LOADING DOCK AT HIGH STEEL BETWEEN GRID G & J
3/4" = 1'-0"



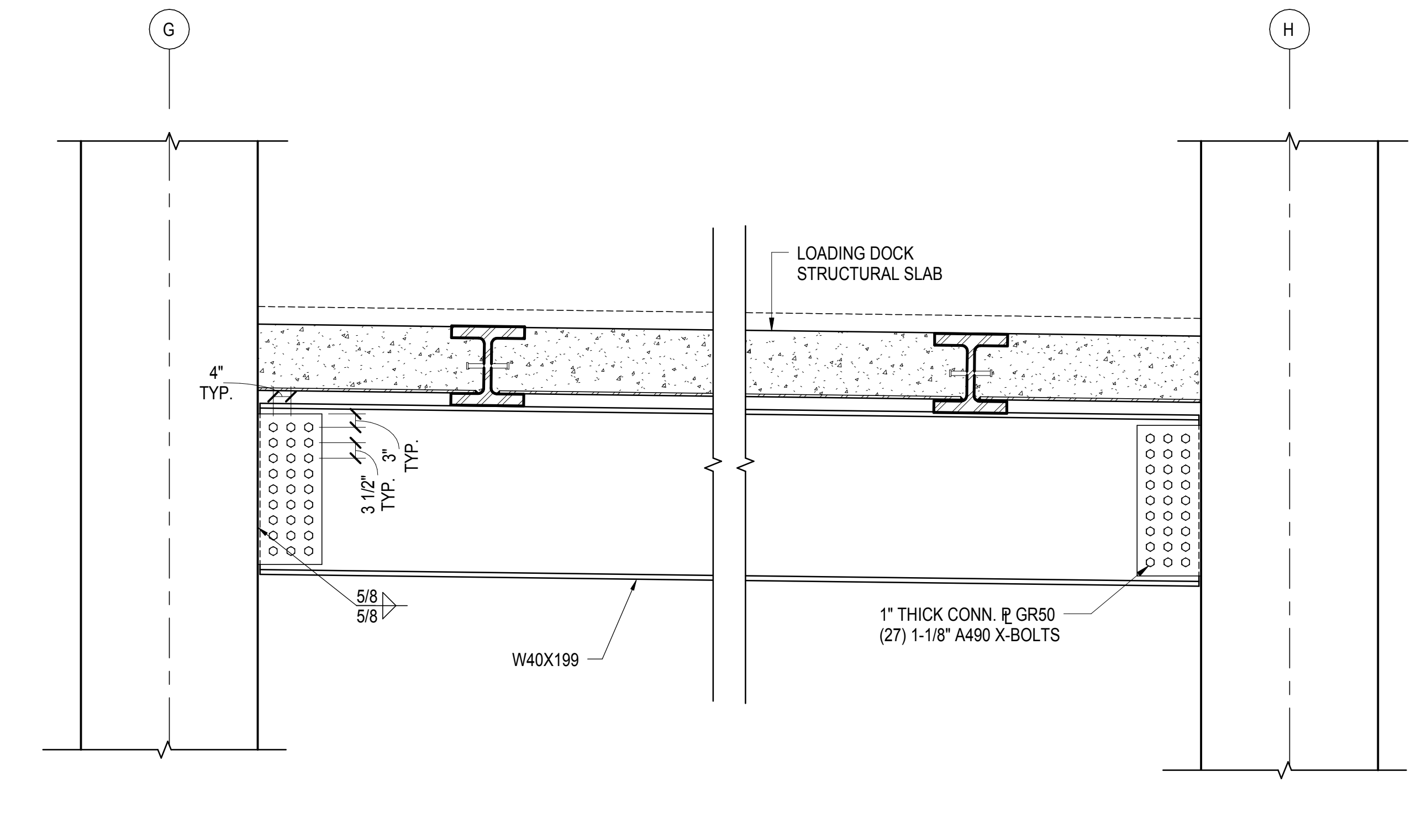
2 SECTION AT LOADING DOCK AT SLAB BETWEEN GRID G & J
3/4" = 1'-0"



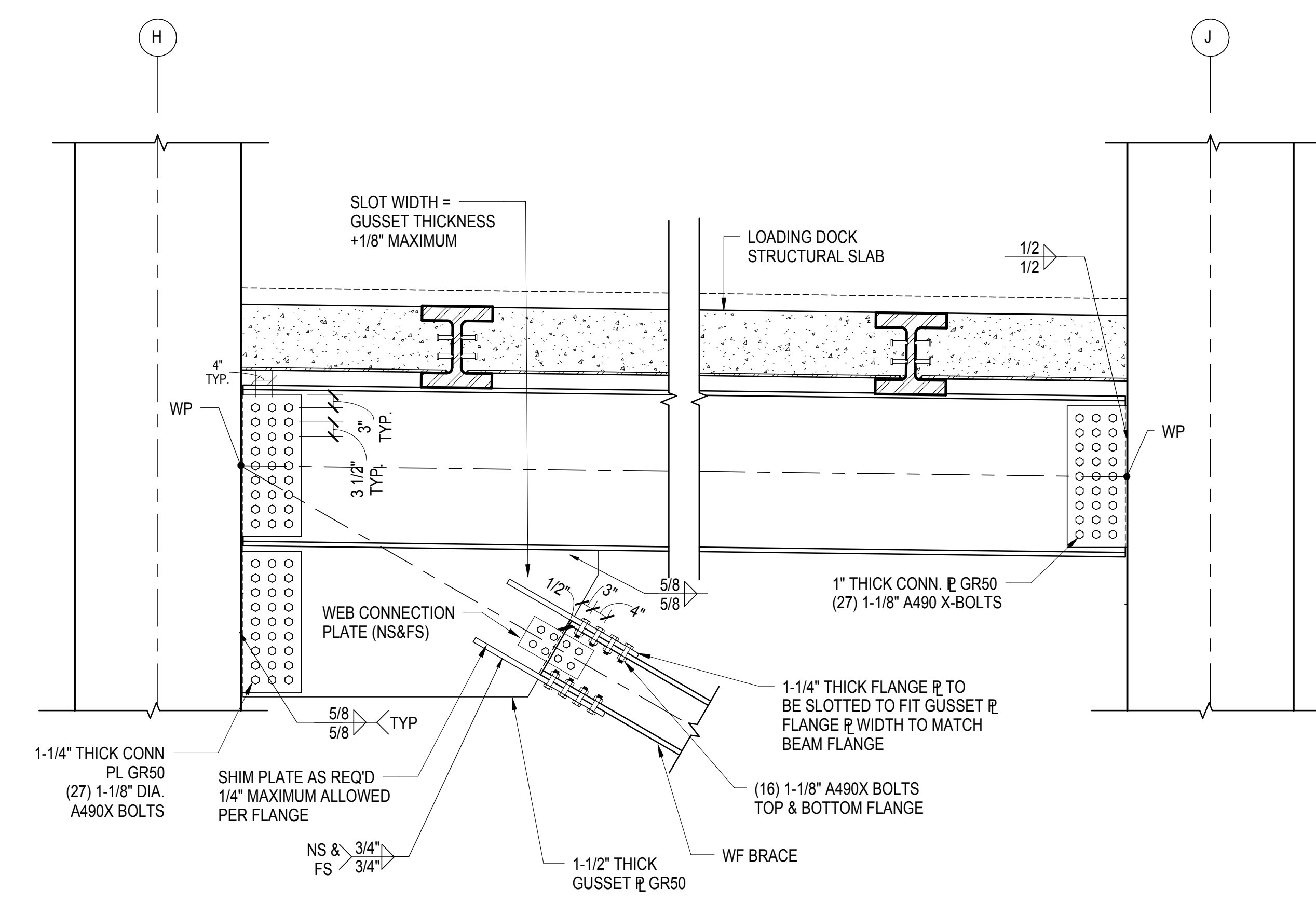
3 LOADING DOCK BEAMS BETWEEN K & N
1" = 1'-0"



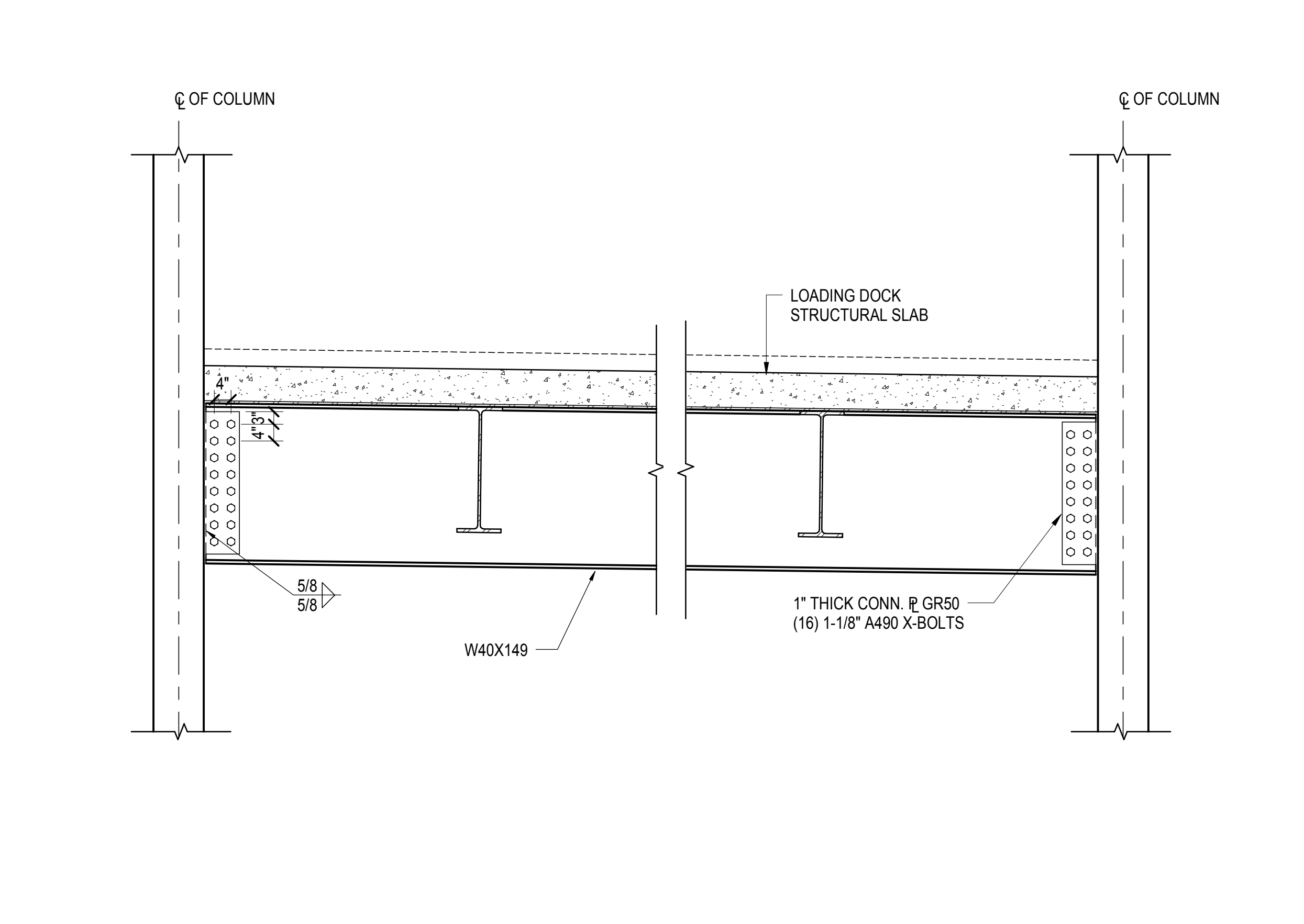
4 LOADING DOCK BEAMS BETWEEN J & K
1" = 1'-0"



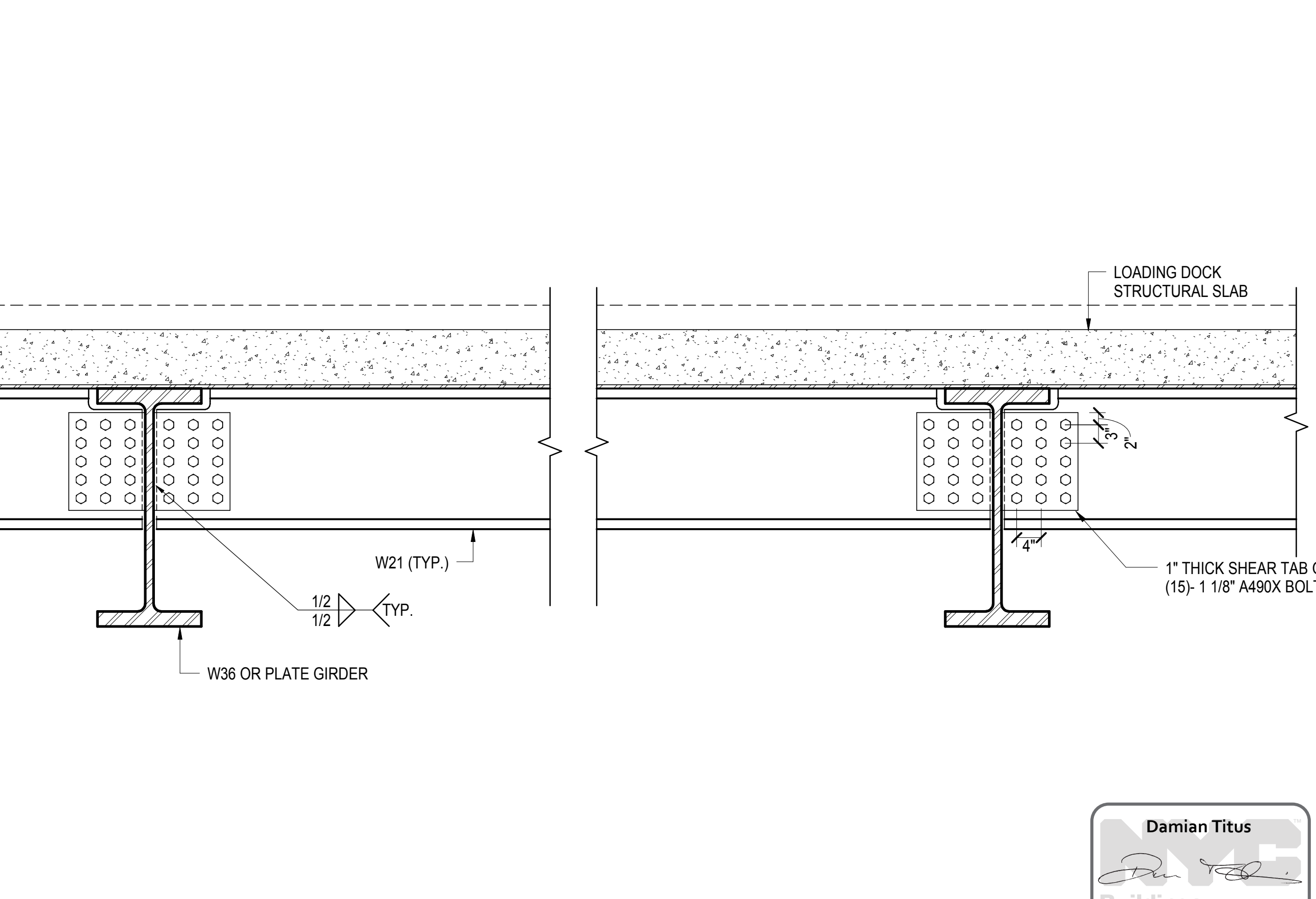
5 LOADING DOCK GIRDER - W40X199 CONNECTION
1/2" = 1'-0"



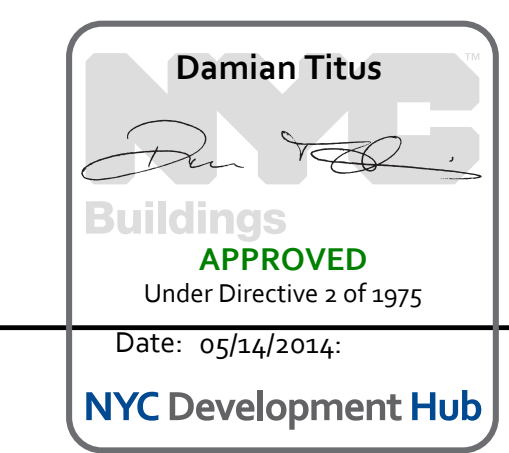
6 LOADING DOCK GIRDER BETWEEN COLUMNS H12 & J12
1/2" = 1'-0"



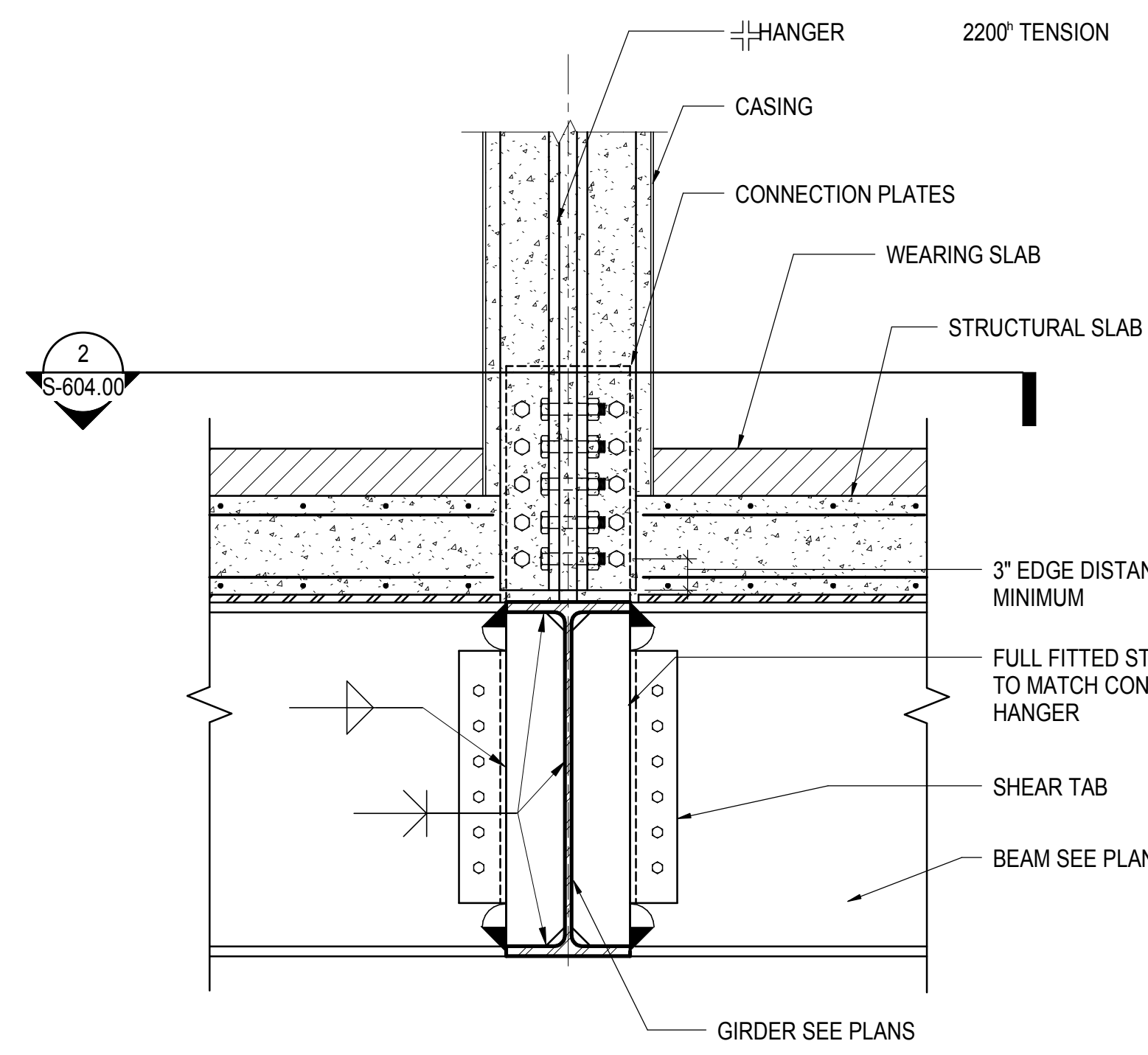
7 LOADING DOCK GIRDER - W40X149 CONNECTION
1/2" = 1'-0"



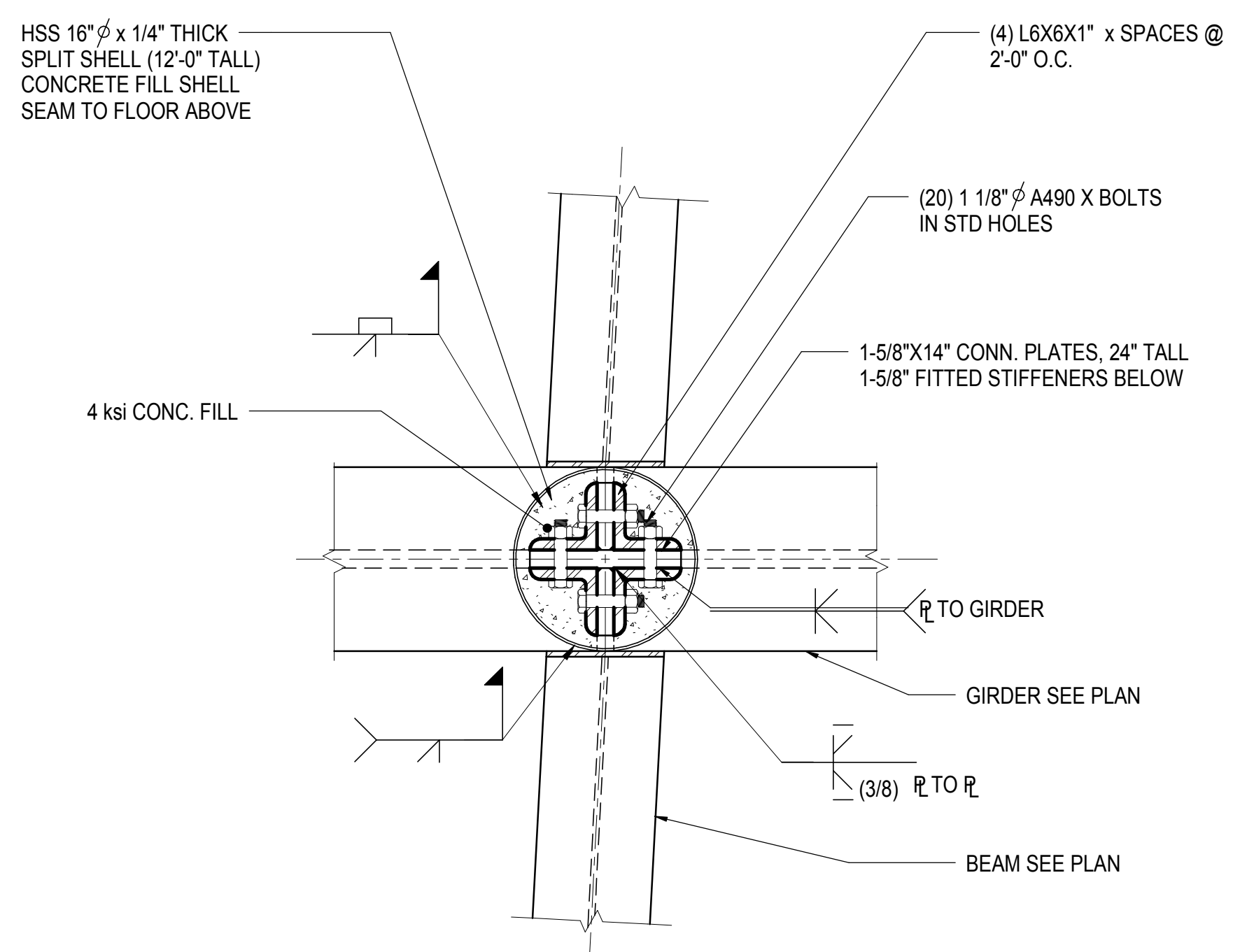
8 LOADING DOCK BEAMS BETWEEN GRID 8 & 10
3/4" = 1'-0"



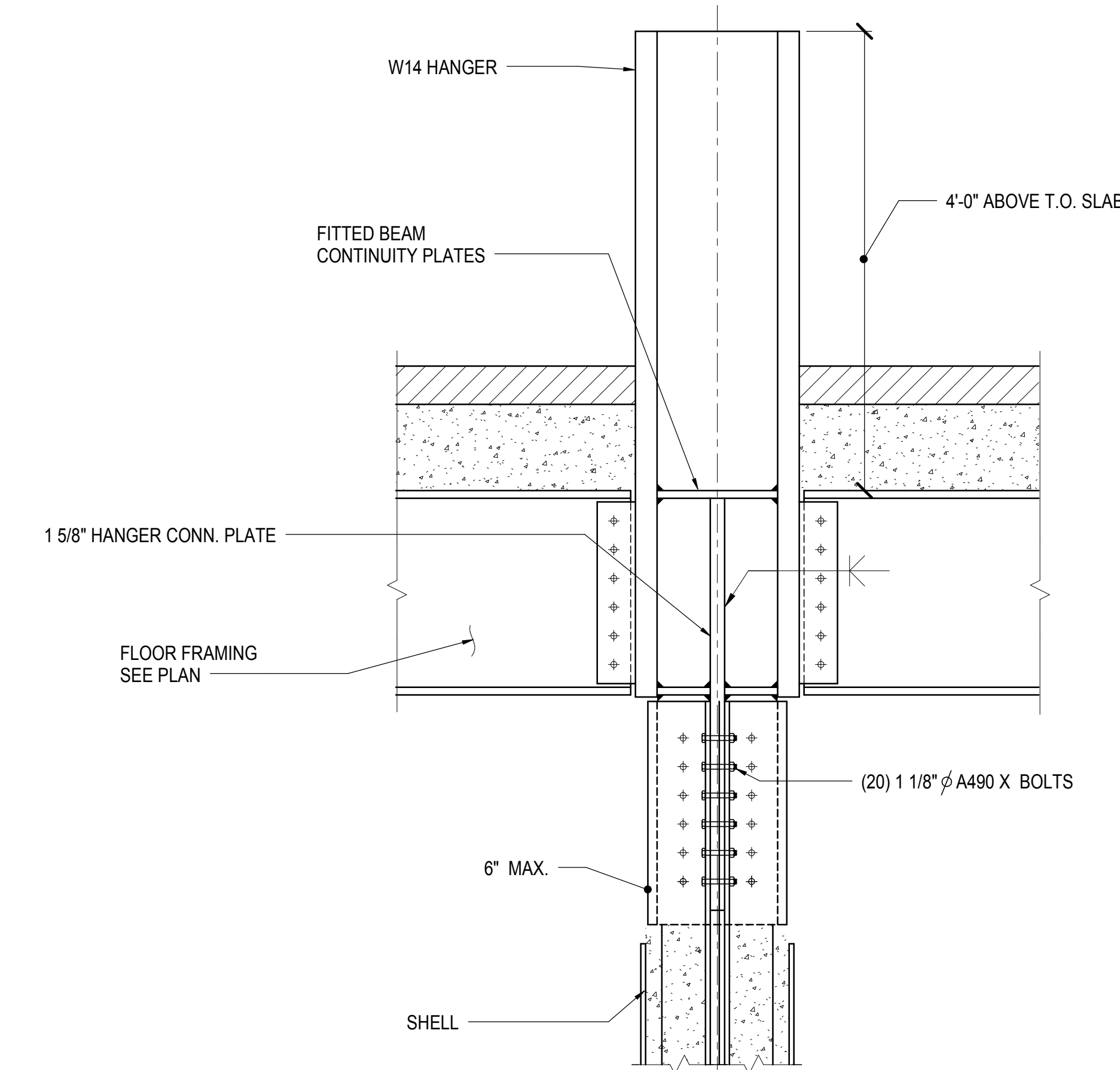
10TH AVE LOADING DOCK - SECTIONS AND DETAILS
C:\Users\N11330.00 - Earl Pedersen - Central\cfd\int



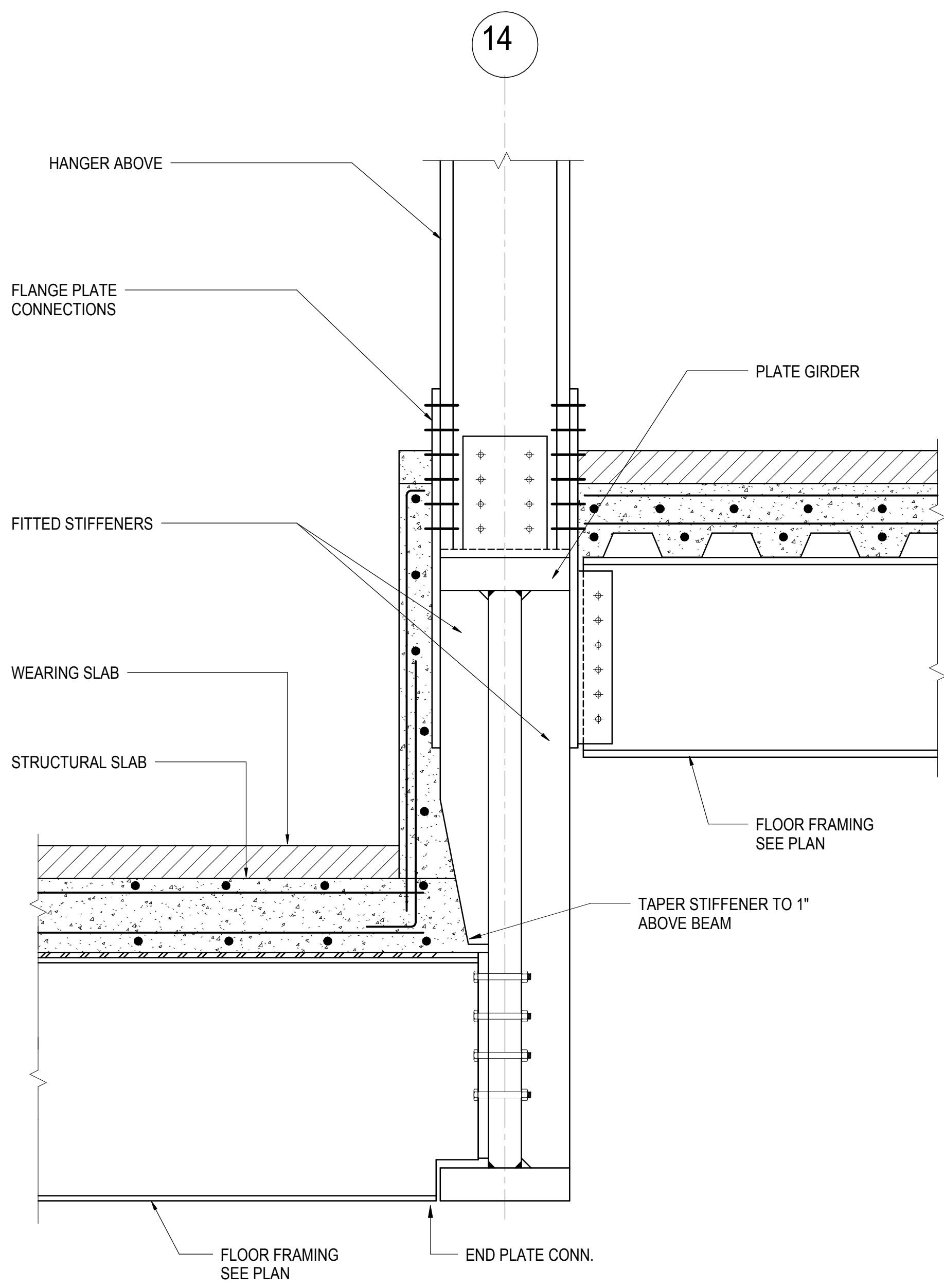
LOADING DOCK HANGER AT K & L BASE CONNECTION SECTION
1" = 1'-0"



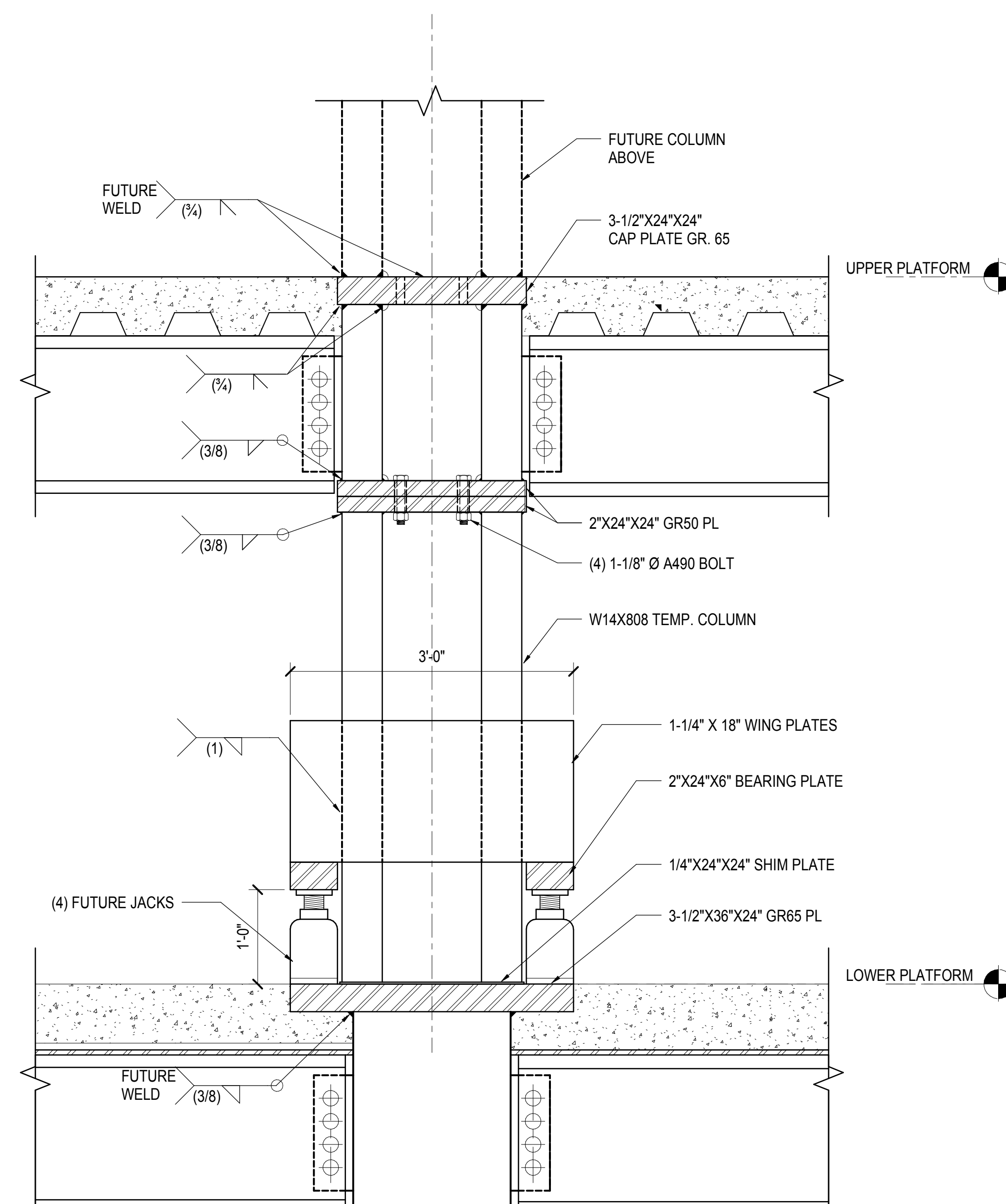
K-12 7 L-12 HANGER BOTTOM DETAIL
1" = 1'-0"



K-12 & L-12 HANGER TOP DETAIL
1" = 1'-0"



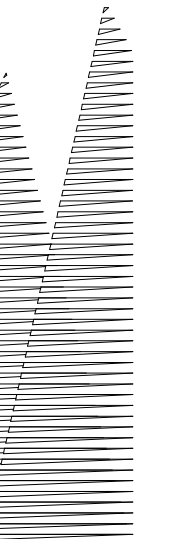
SECTION 14
1" = 1'-0"



J-10 TEMP COLUMN
1" = 1'-0"

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

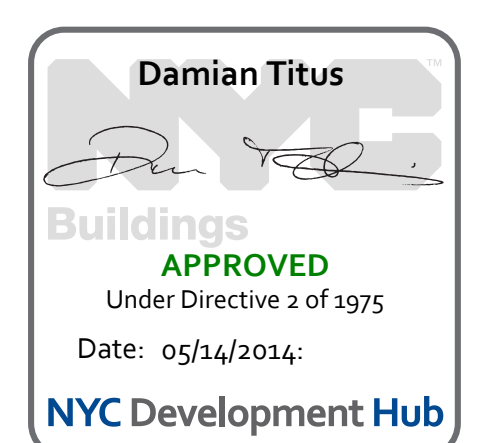
Civil, Mechanical, Electrical, Plumbing
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| NYC DOB FILING | Date |
|------------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&T - PLATFORM SUBMISSION | 11/22/2013 |
| Δ - DR-02 PHASE 1 STRUCTURE UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |

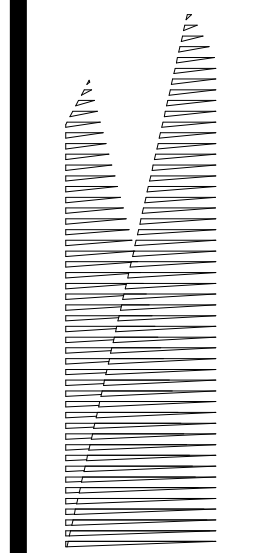
Rev. No. Description Date



Date: 02/15/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: 154

HYE -PL -S-604.00
Drawing Title
10TH AVE LOADING DOCK - SECTIONS AND DETAILS

Drawing Number / Revision Drawing Number
S-604.00



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60 Columbus Circle
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AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

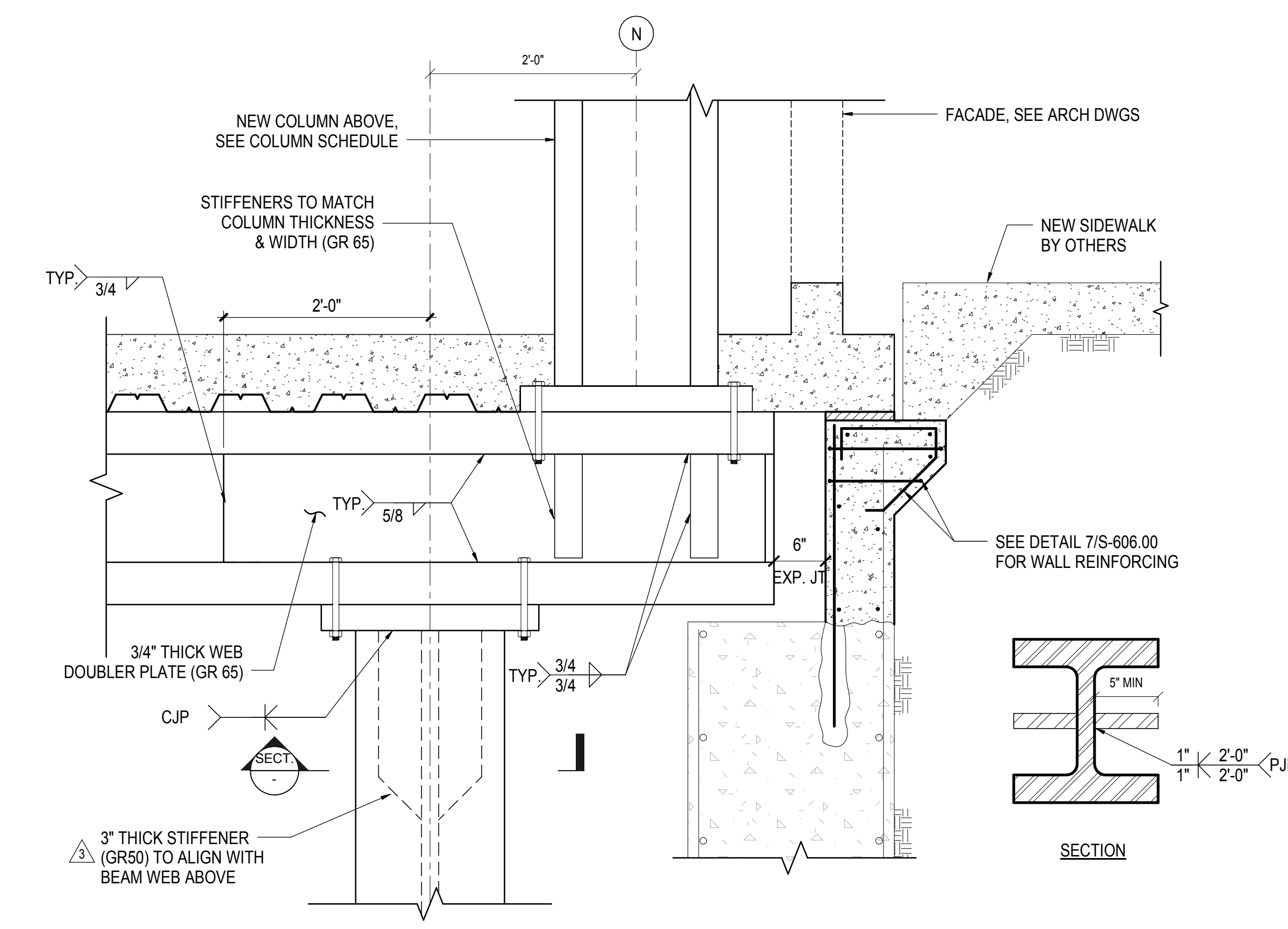
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Submittal - PLATFORM SUBMISSION | 11/1/2013 |
| Submittal - DRG PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Submittal - DRG PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| L.I.R.R. - 100% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| NYC Description | 60% |

For Plot

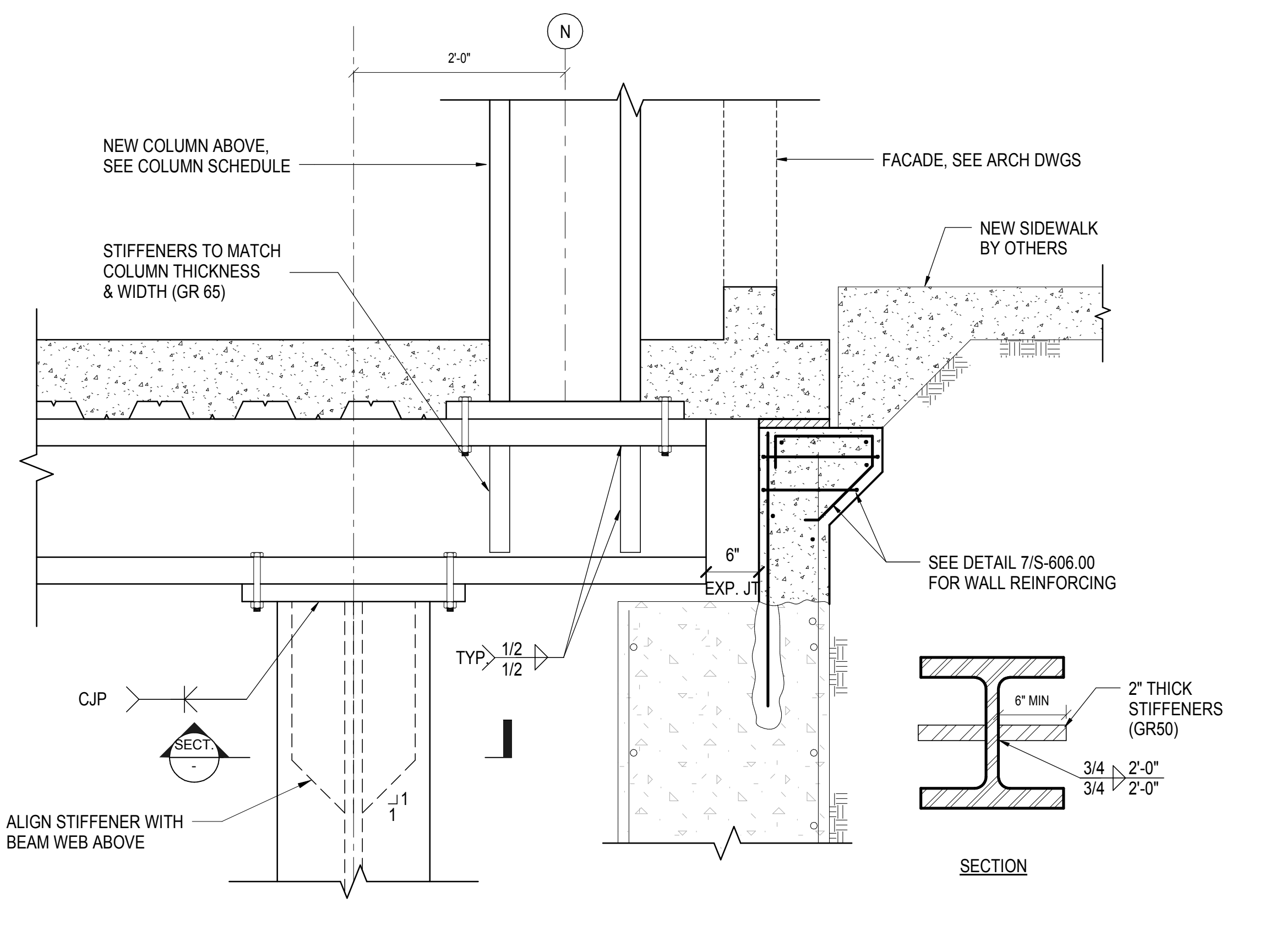
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Project No: N11330.00
Author: [Signature]
Scale: 1/8" = 1'-0"

HYE -PL -S-605.00
SECTIONS AND
DETAILS ALONG
GRIDLINE N

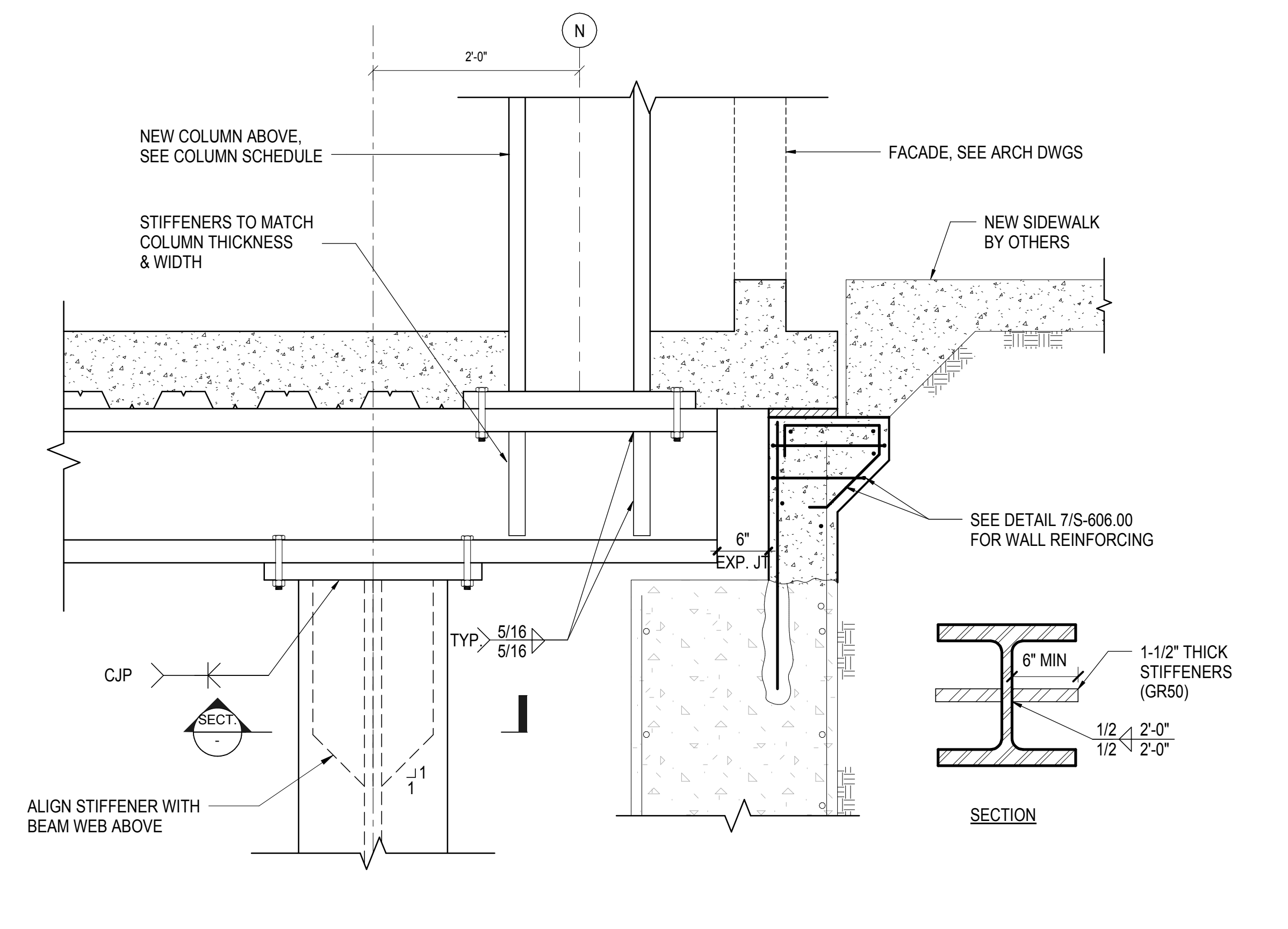
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S-605.00



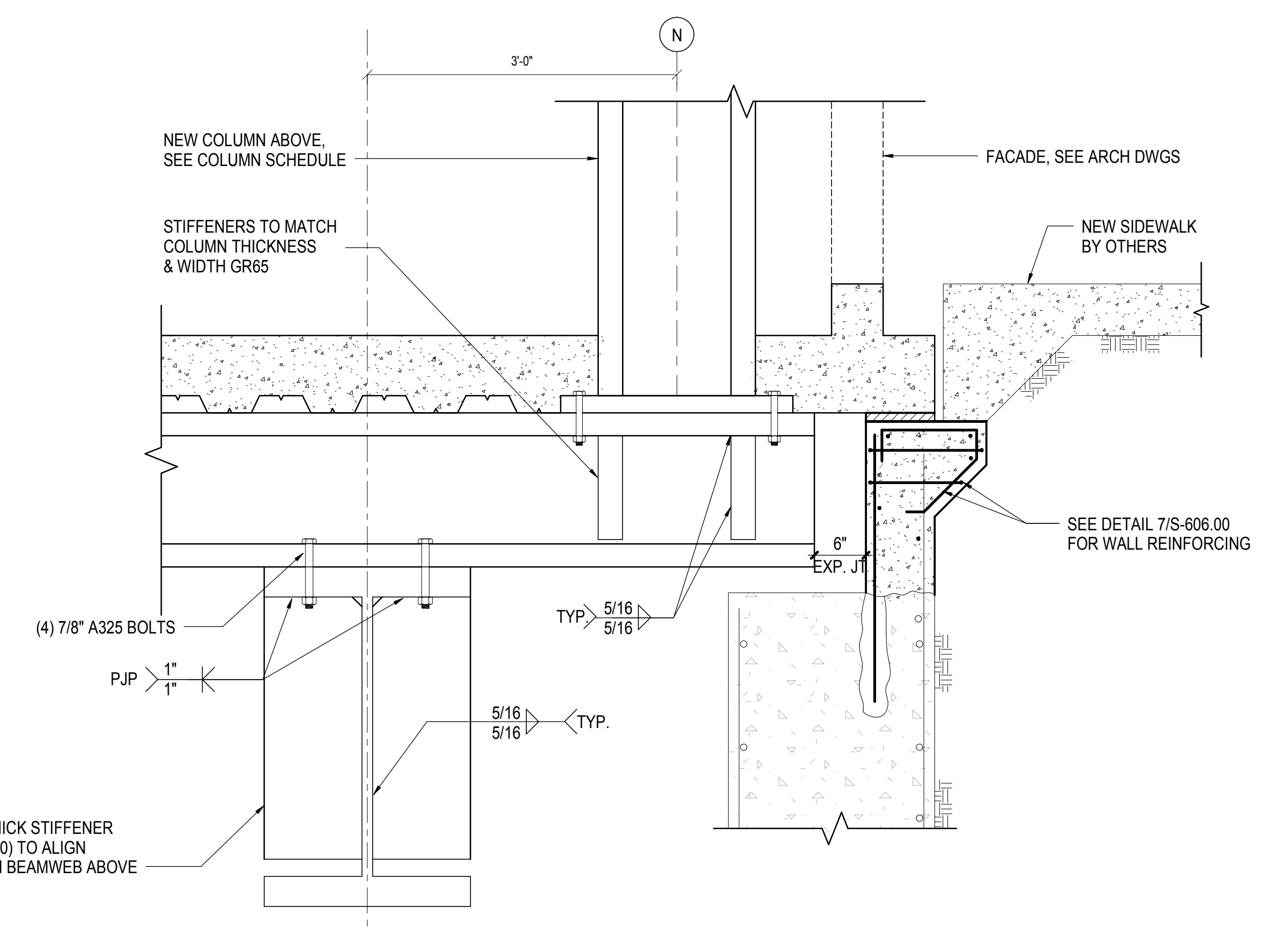
1 CANTILEVERED SECTION @ GRID 3
1" = 1'-0"



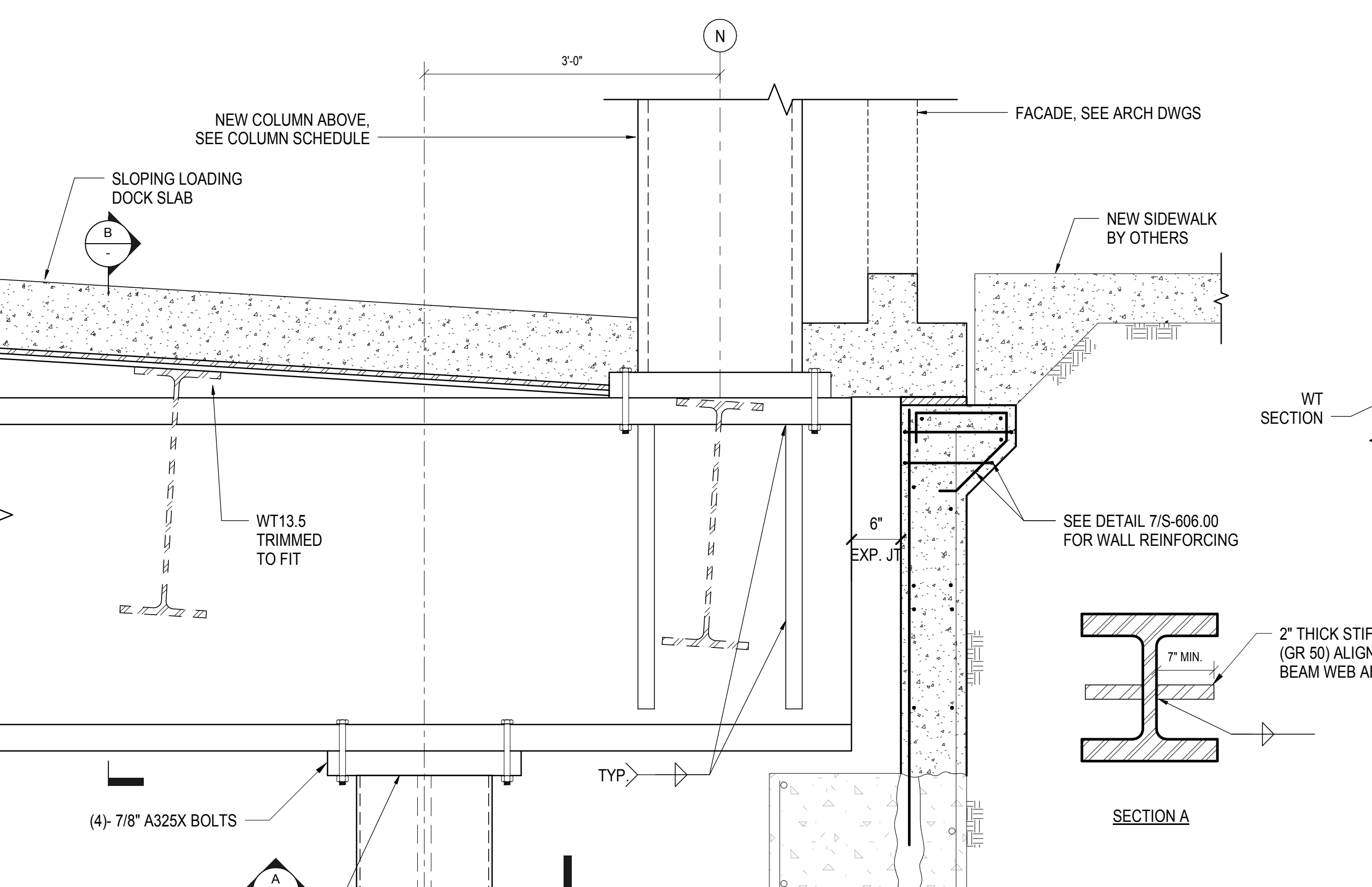
2 CANTILEVERED SECTION @ GRID 2, 5 & 8
1" = 1'-0"



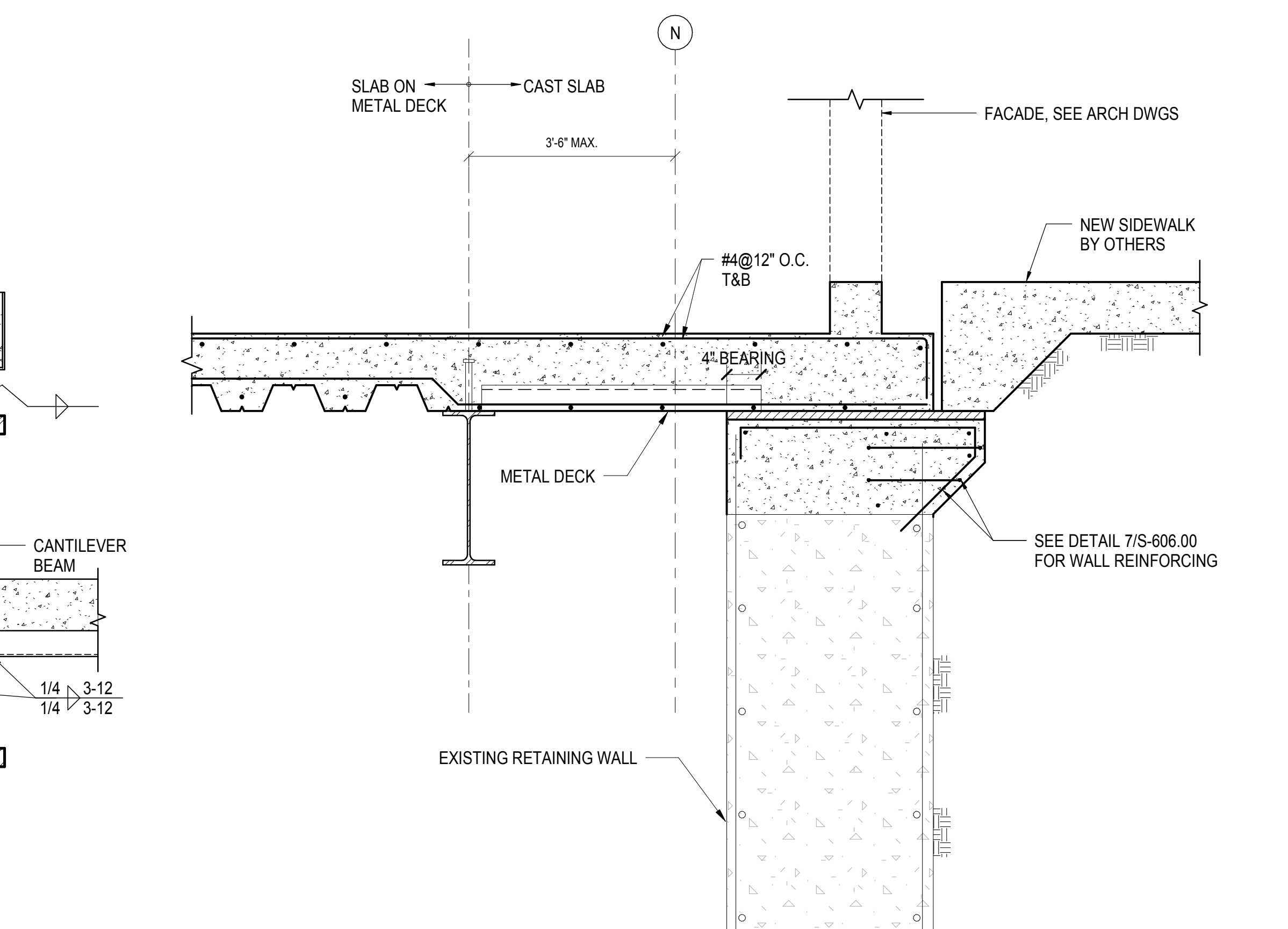
3 CANTILEVERED SECTION @ GRID 6 & 7
1" = 1'-0"



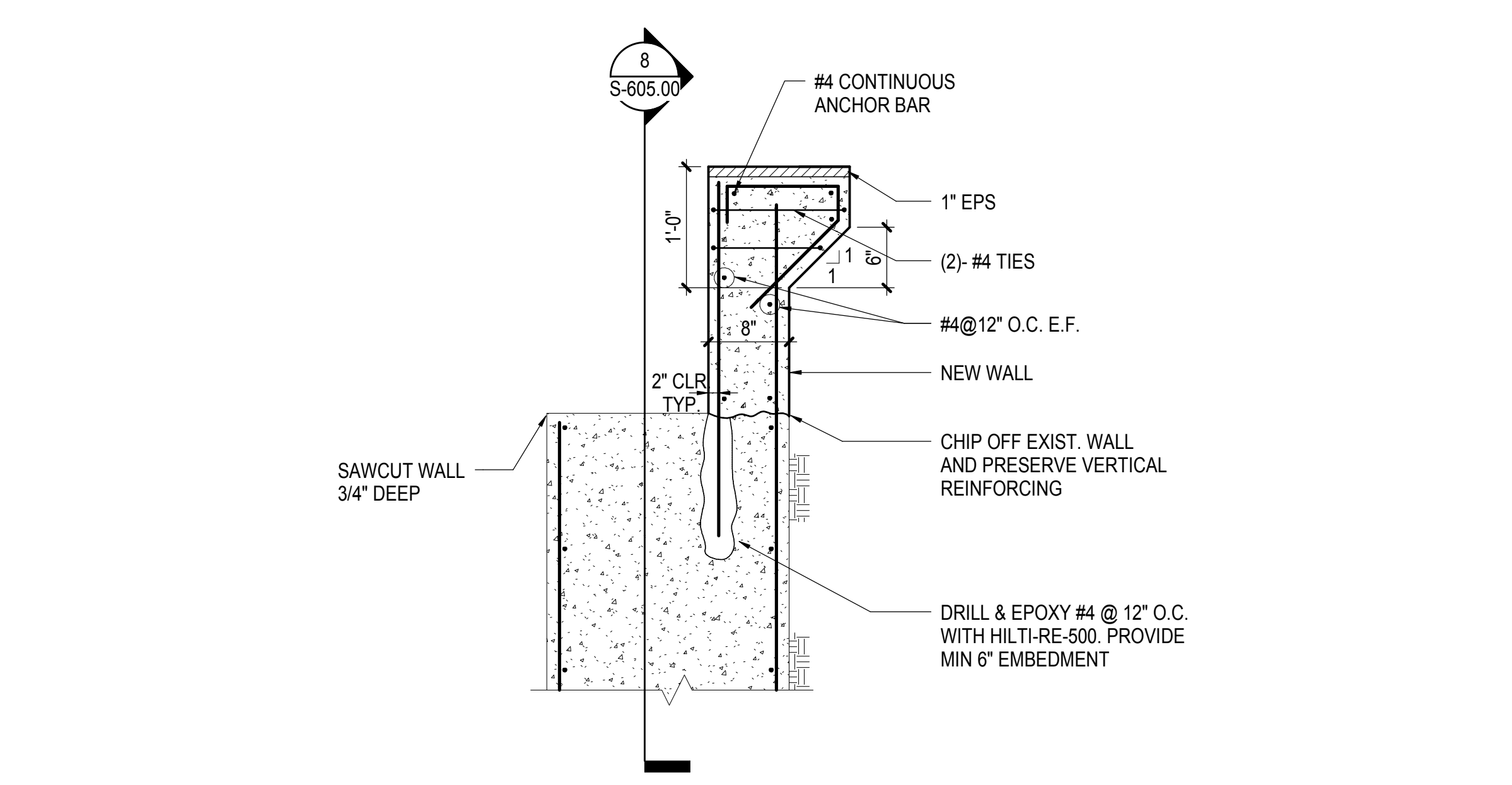
4 CANTILEVERED SECTION @ GRID 9
1" = 1'-0"



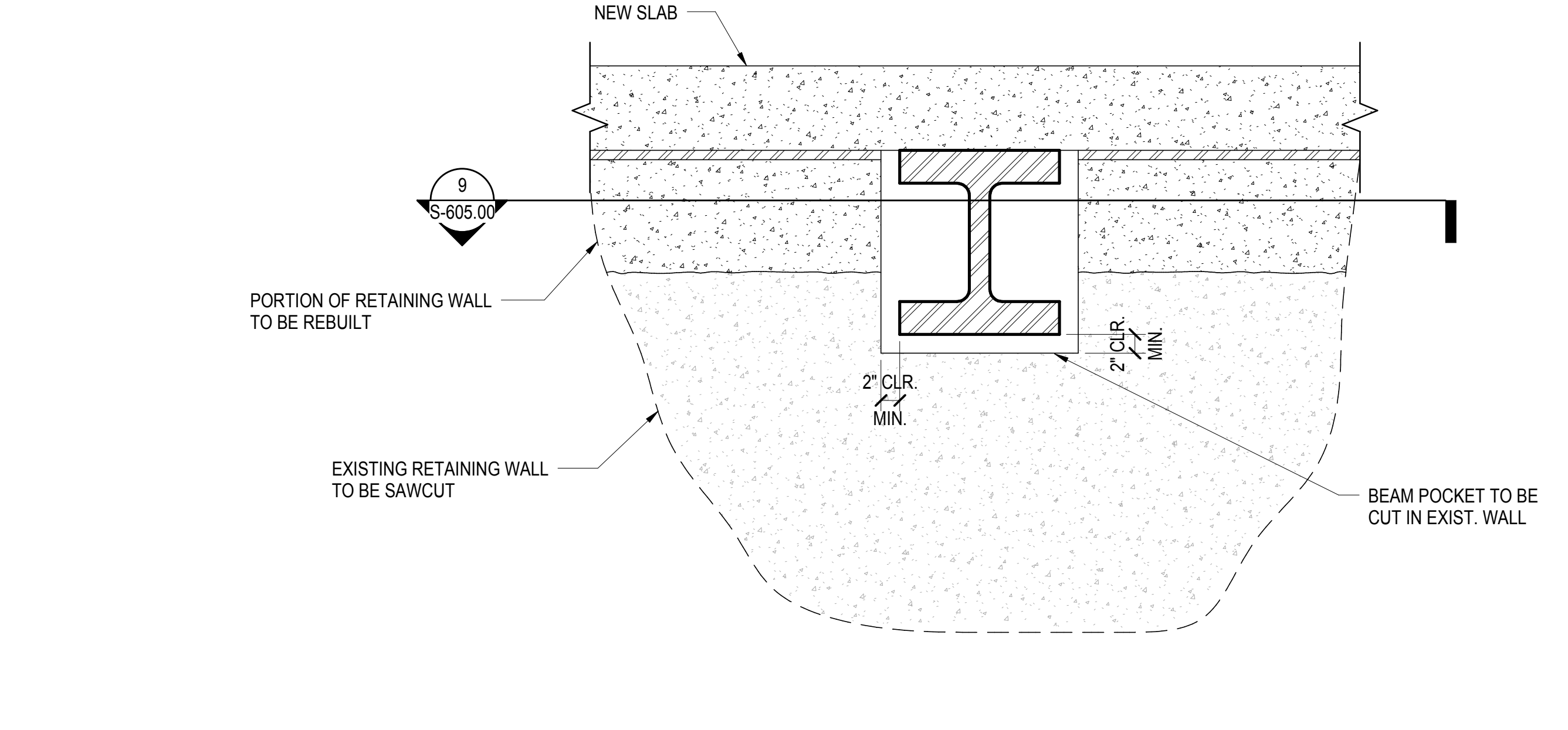
5 CANTILEVERED SECTION @ GRID 10
1" = 1'-0"



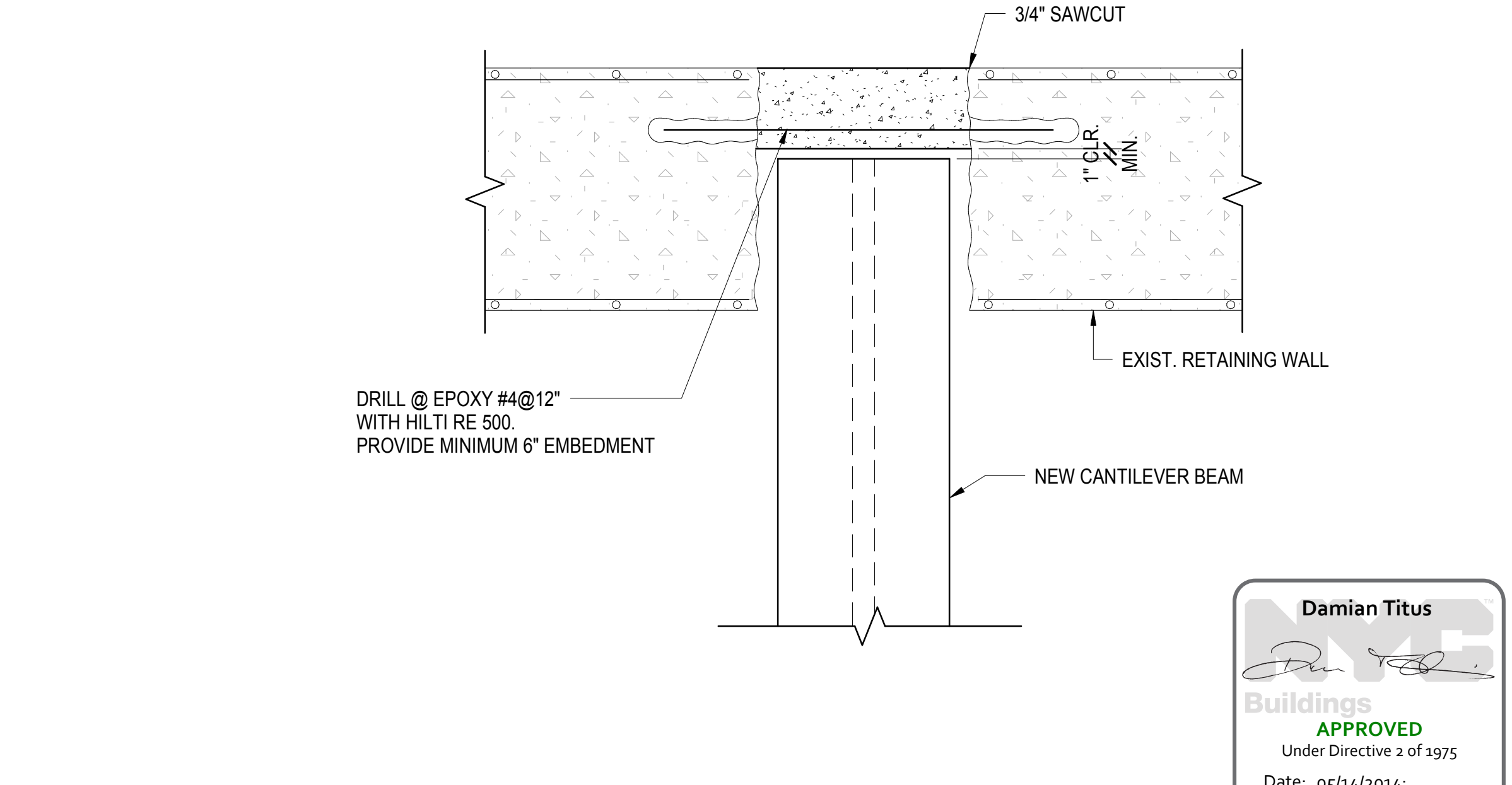
6 TYPICAL SECTION BETWEEN GRIDS
1" = 1'-0"



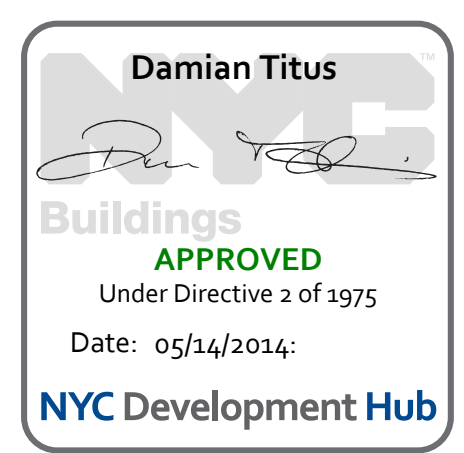
7 FOUNDATION SECTION AT GRIDLINE N
1" = 1'-0"



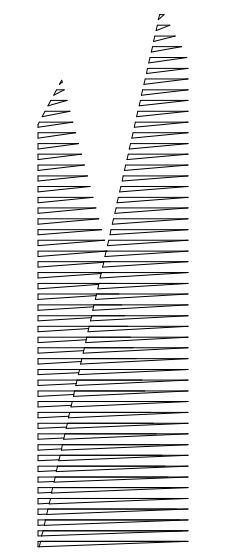
8 BEAM POCKET ELEVATION @ 10TH AVE RETAINING WALL
1" = 1'-0"



9 BEAM POCKET PLAN @ 10TH AVE RETAINING WALL
1" = 1'-0"



SECTIONS AND DETAILS ALONG GRIDLINE N
S-605.00
11/22/2013 3:09:48 PM
©/Scale/NT1330.00 - East Platform - Central Column



Client
Related Companies
60 Columbus Circle
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New York, NY 10022
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Construction Manager
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Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

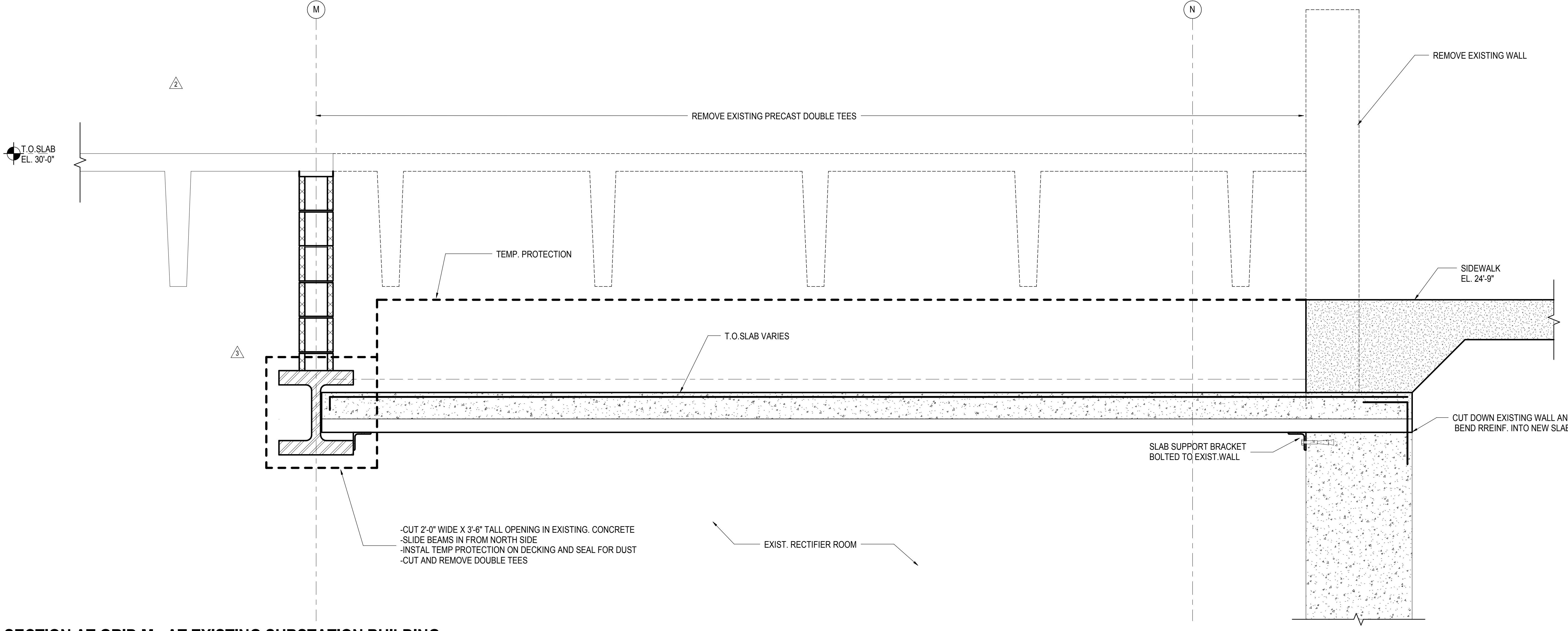
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

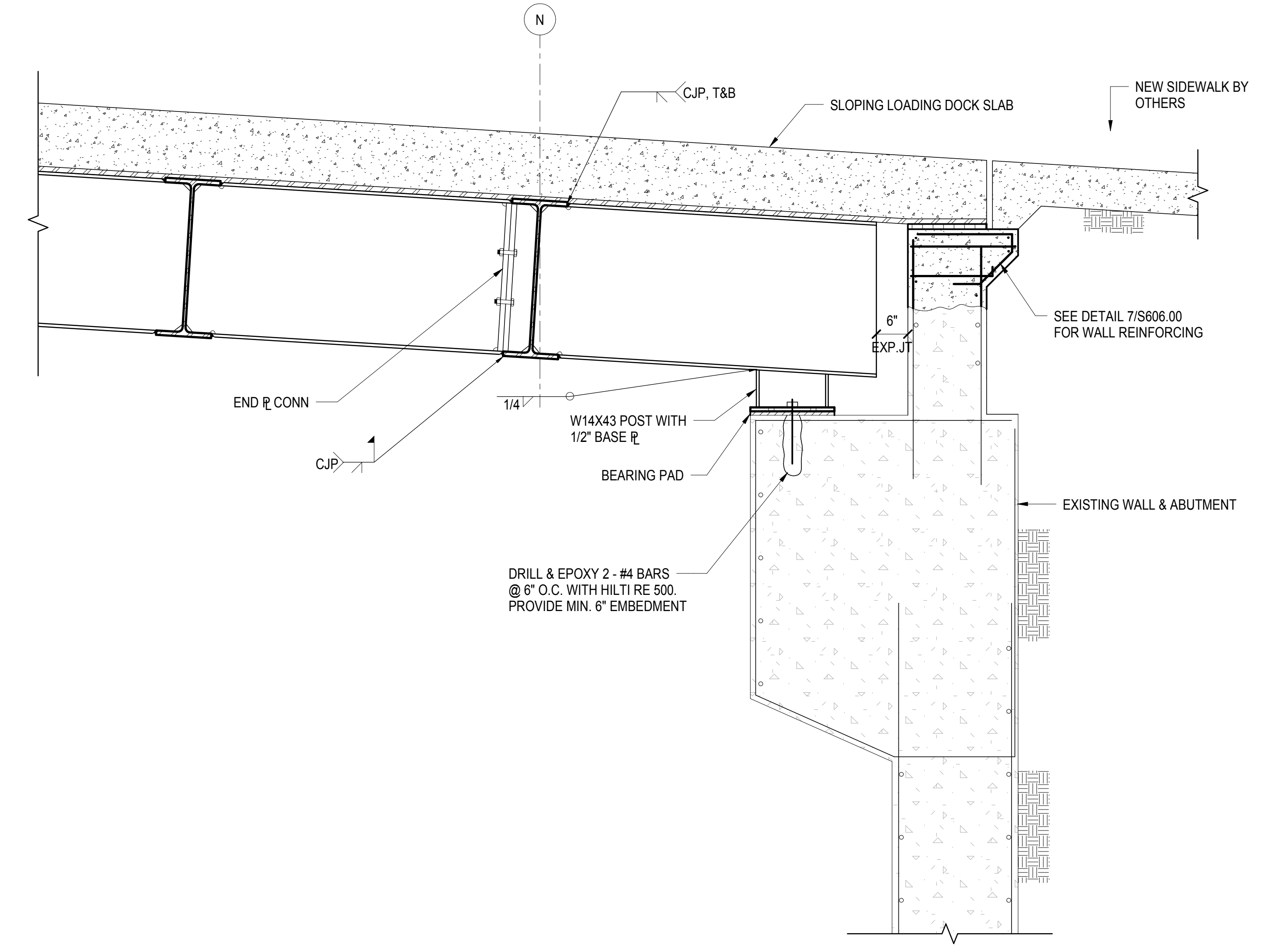
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Md. PLATFORM SUBMISSION | 11/22/2013 |
| DEO PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DEO PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 60% SUBMISSION | 8/30/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/28/2013 |
| NYC DOB FILING | 5/28/2013 |

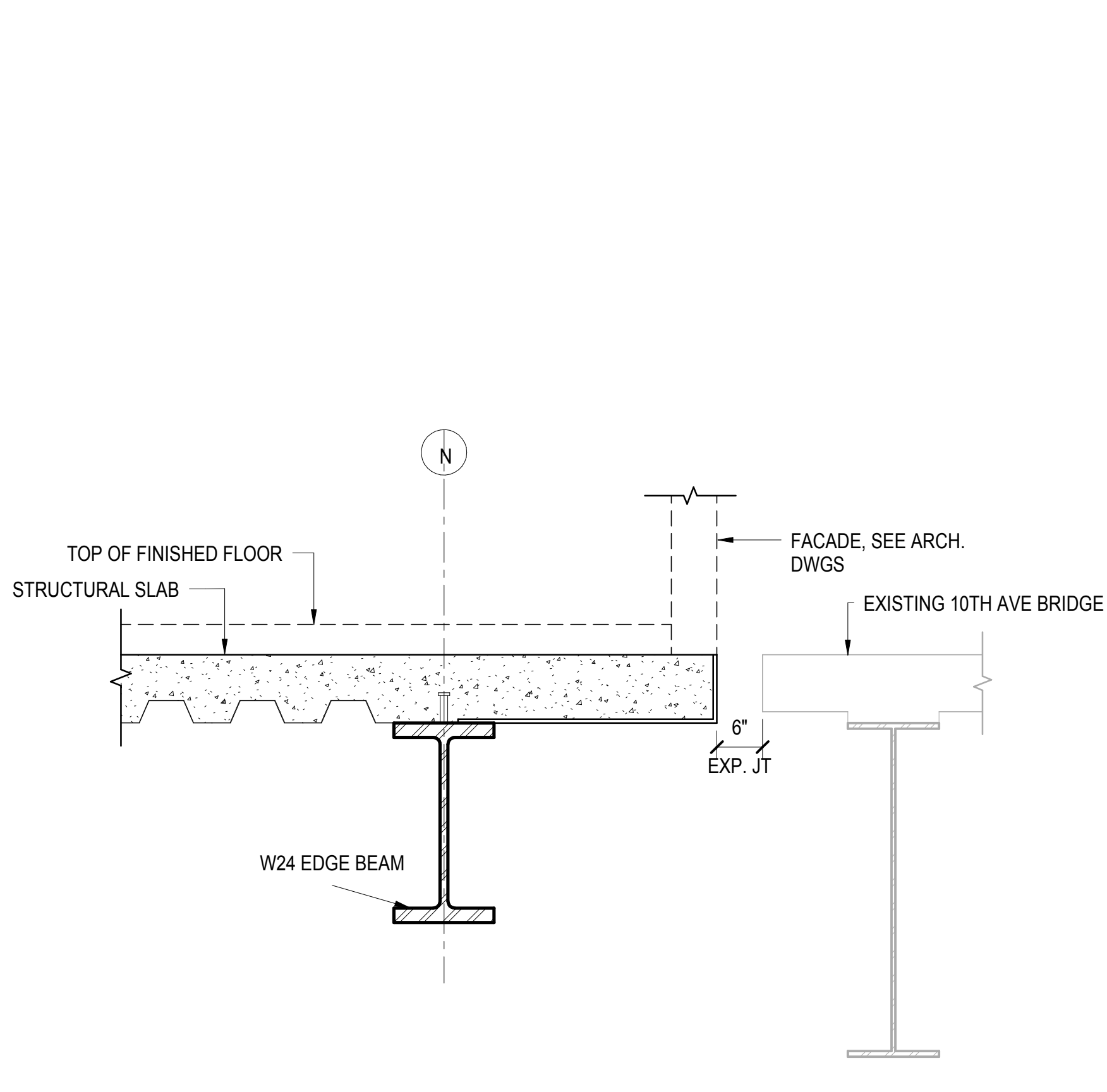
Rev. Plan



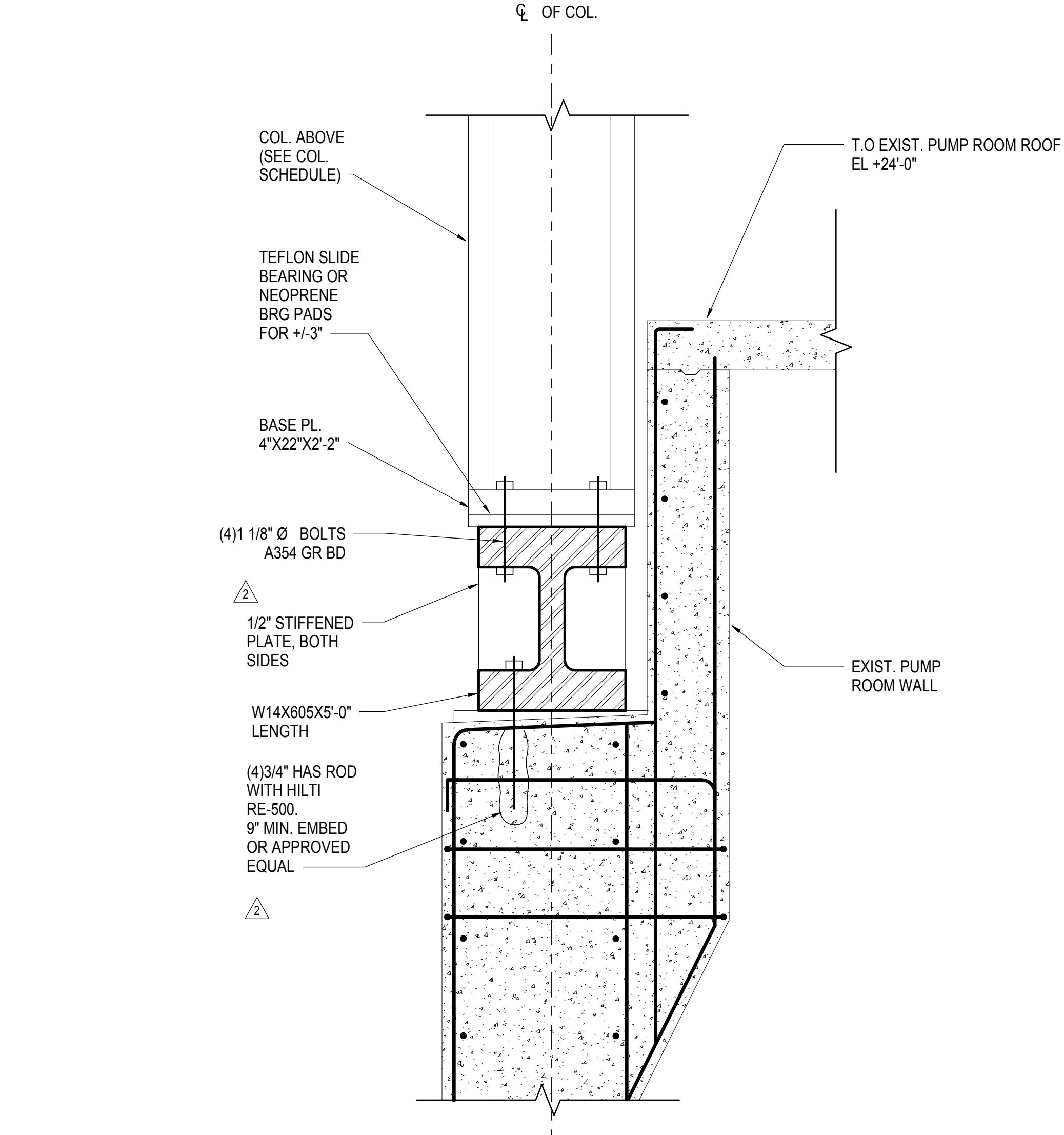
1 SECTION AT GRID M - AT EXISTING SUBSTATION BUILDING
1" = 1'-0"



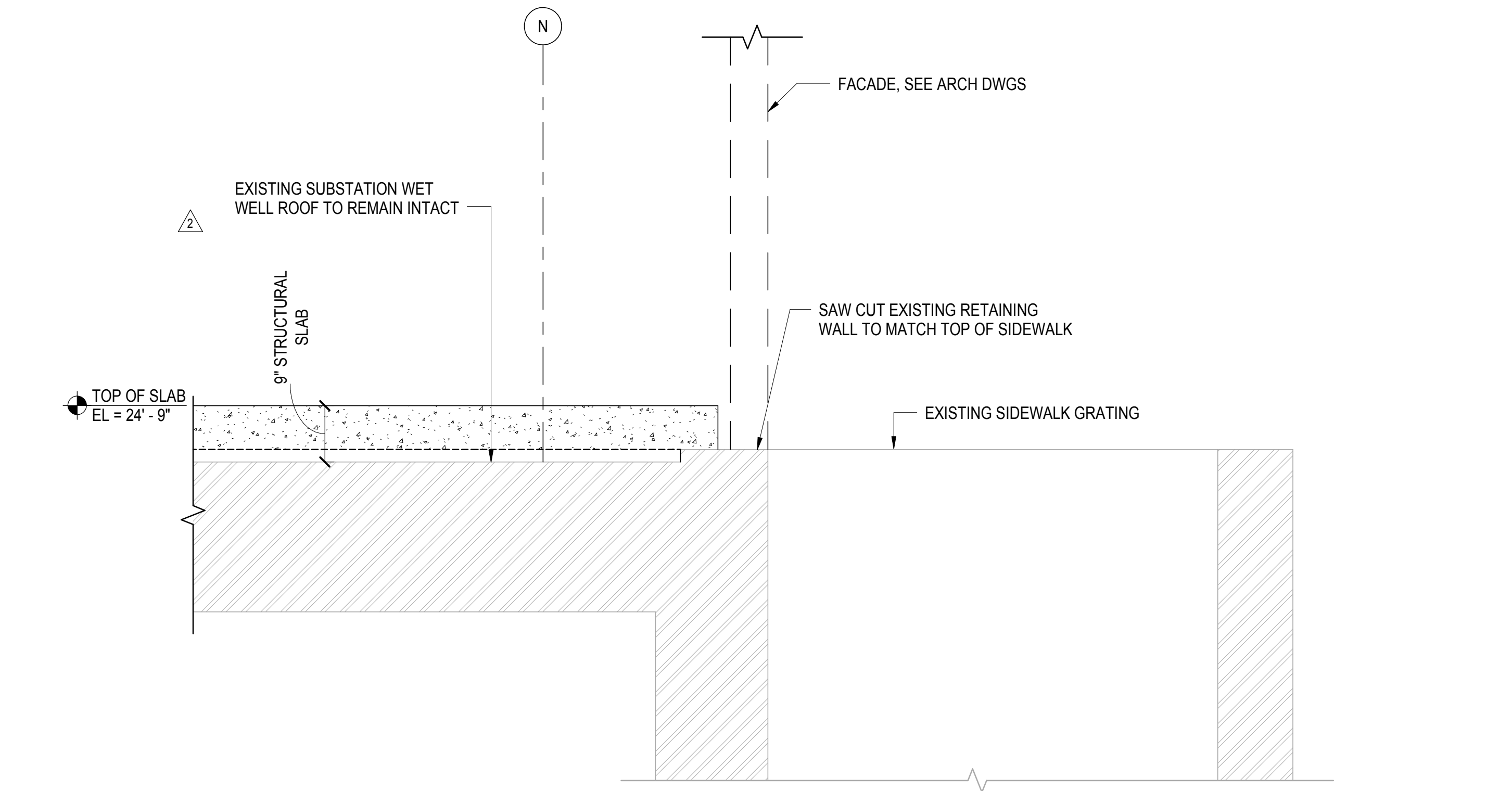
2 SECTION AT GRID N - AT 10TH AVE LOADING DOCK
3/4" = 1'-0"



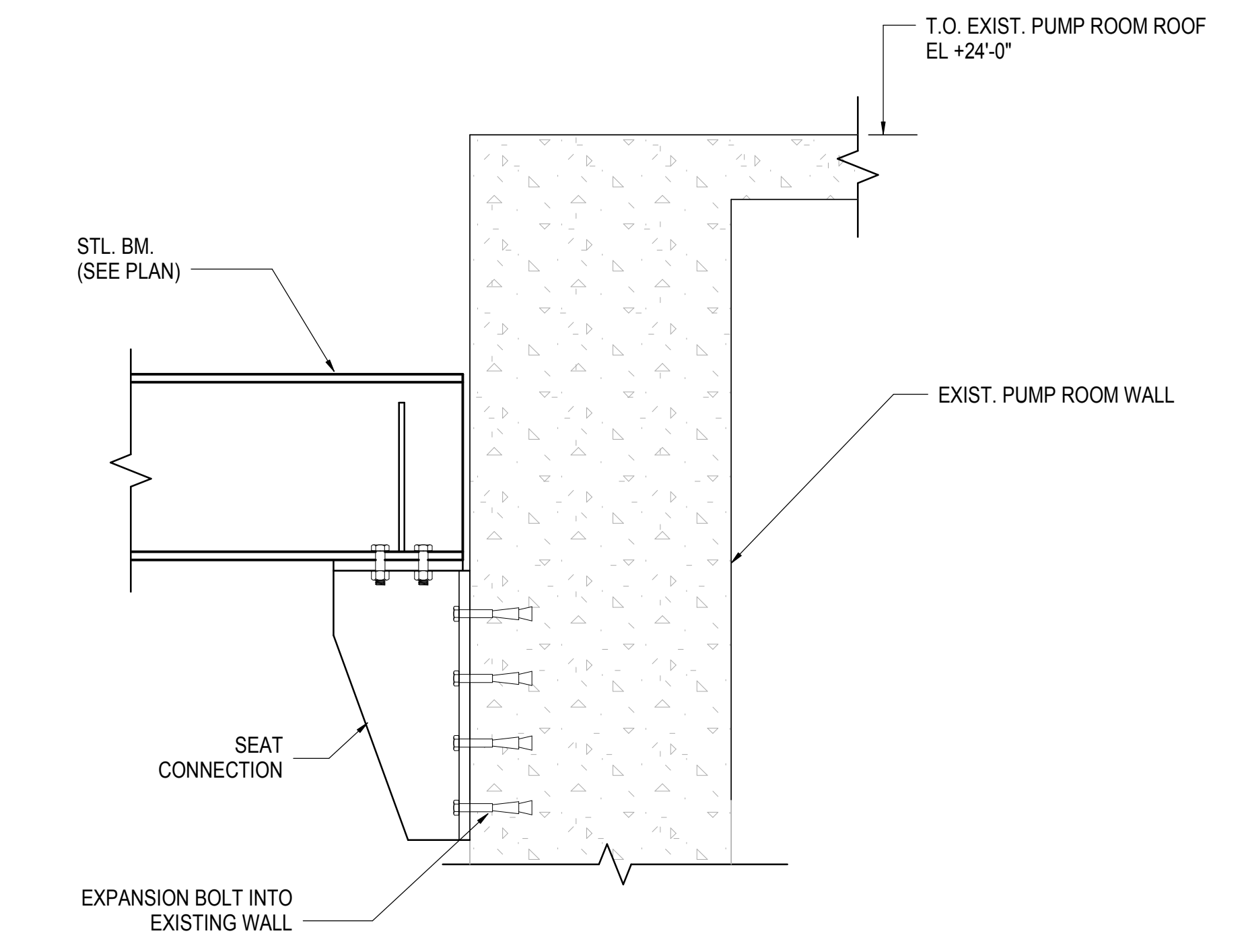
4 GRID N - SECTION AT 10TH AVE BRIDGE
3/4" = 1'-0"



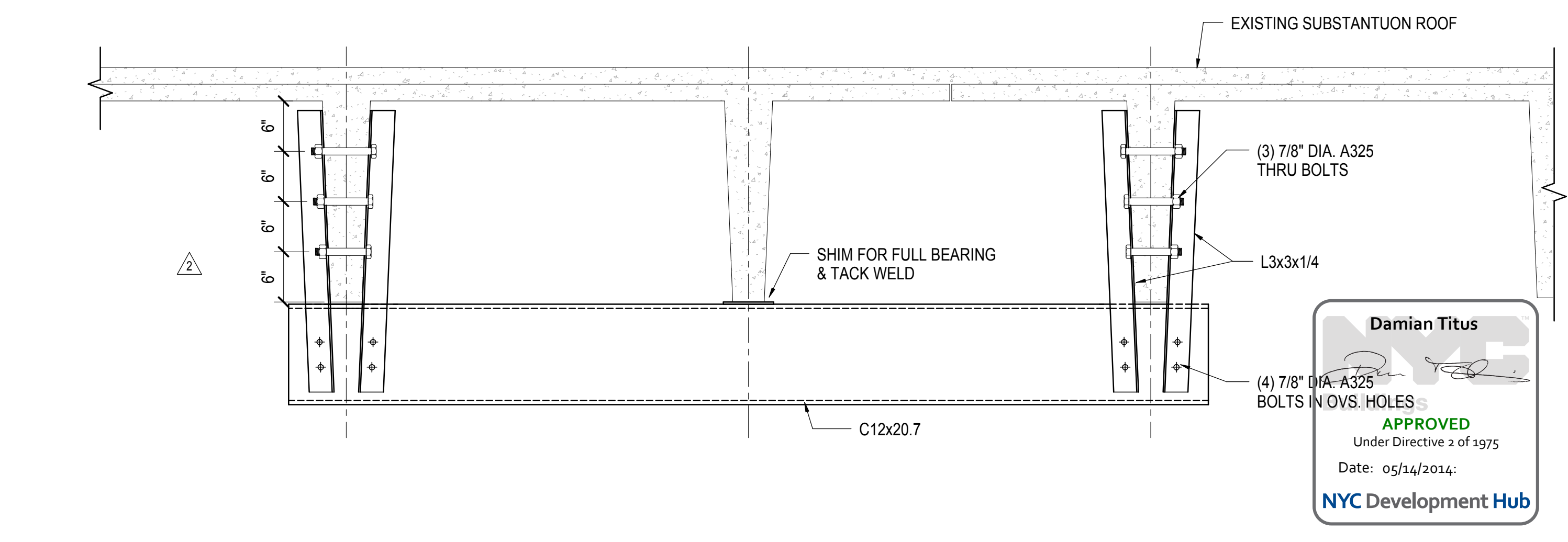
5 COLUMN SUPPORT AT M14.3
1" = 1'-0"



3 SECTION AT GRID N - AT EXISTING SUBSTATION WET WELL
3/4" = 1'-0"



6 CONNECTION TO EXIST. PUMP ROOM AT N 14.5
1" = 1'-0"



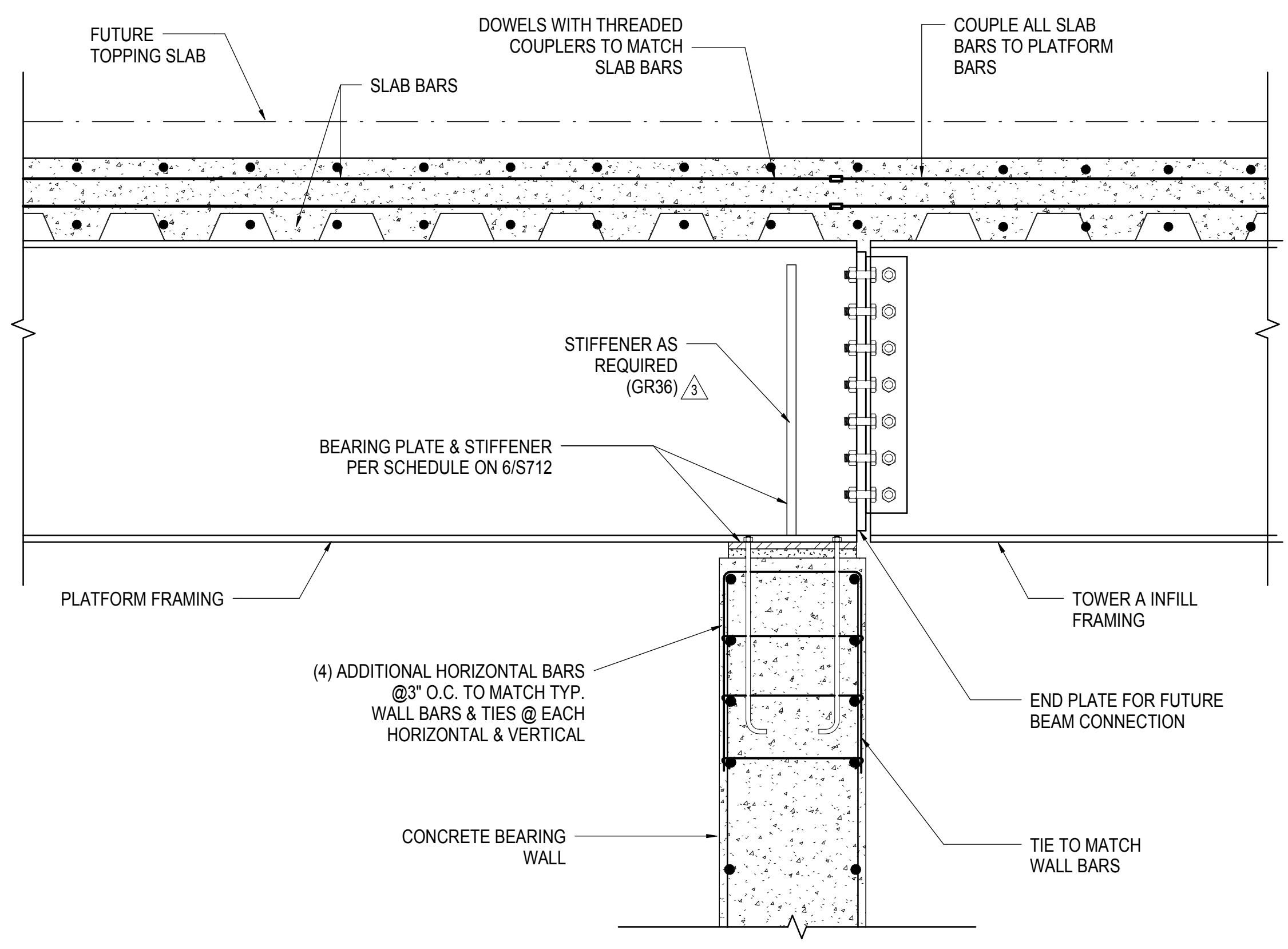
7 SECTION AT EXIST. SUBSTATION PRECAST REMOVAL
1" = 1'-0"

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

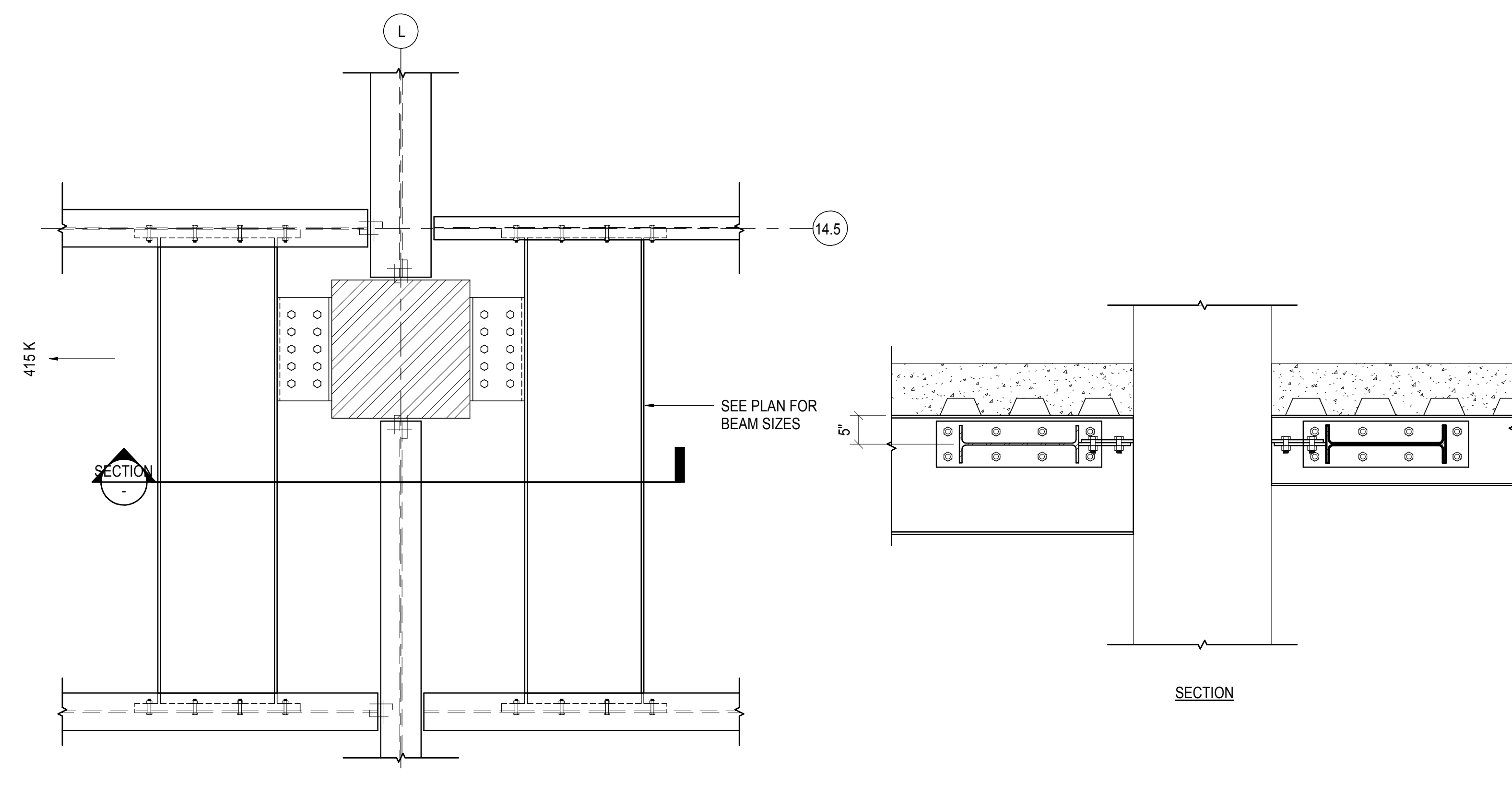
Date: 05/29/2013
Project No: N11330.00
Author: Author

HYE - PL - S-606.00
SECTIONS AND
DETAILS ALONG
GRIDLINE N

S-606.00
 11/22/2013 3:32:24 PM
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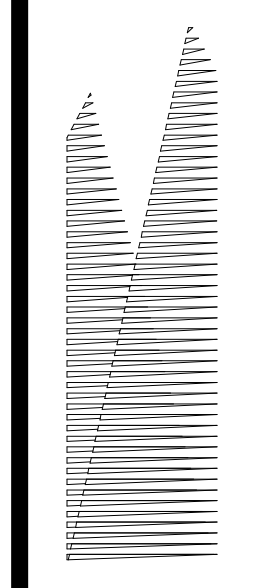
1 SECTION AT WALL ALONG NORTH EDGE OF YARDS
1" = 1'-0"



2 PLAN DETAIL AT COLUMN L/14.5
3/4" = 1'-0"

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
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Tel: 212.801.1000 Fax: 212.801.1048

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Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
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PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

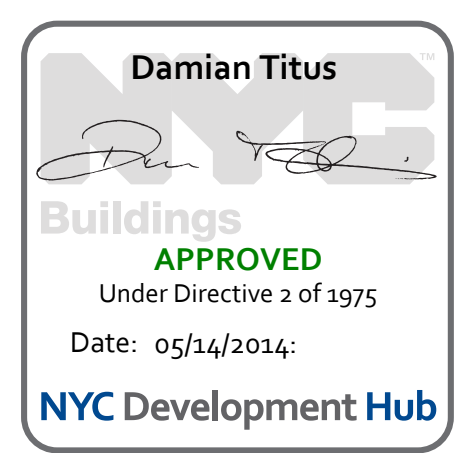
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MdE - PLATFORM SUBMISSION | |
| DE-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DE-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 206 |

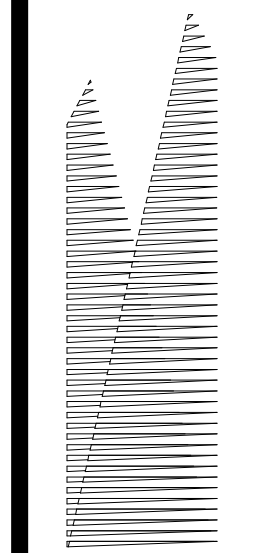
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Date: 08/09/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: Author

HYE - PL - S-607.00
Drawing Title
SECTIONS AND DETAILS

Drawing Number / B/S/C/S Drawing Number
S-607.00



Client
Related Companies
60 Columbus Circle
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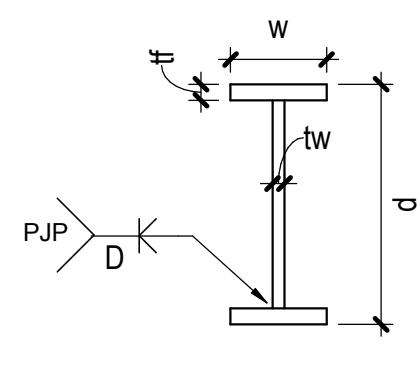
Structural Engineer
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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
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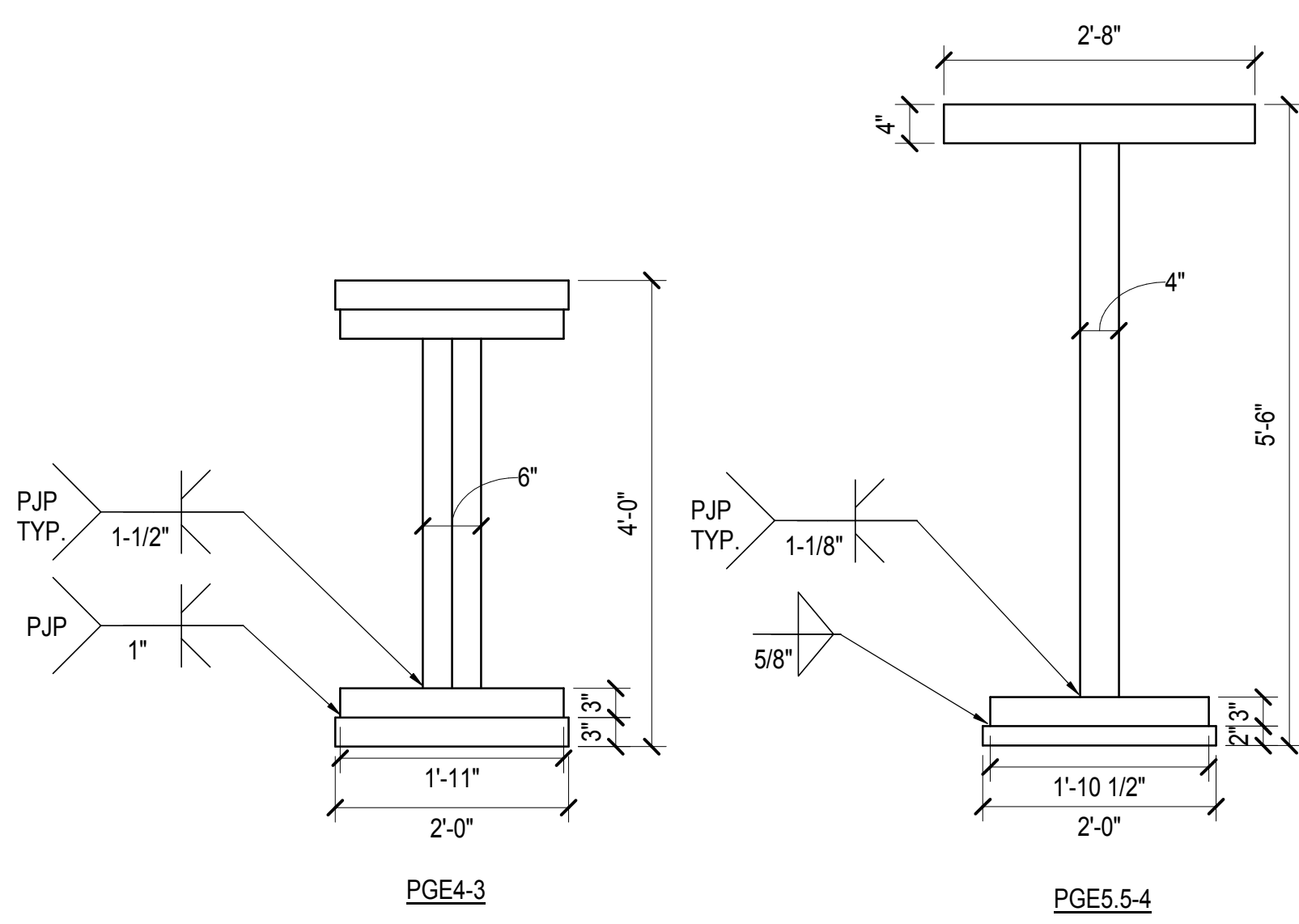
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New York, NY 10158
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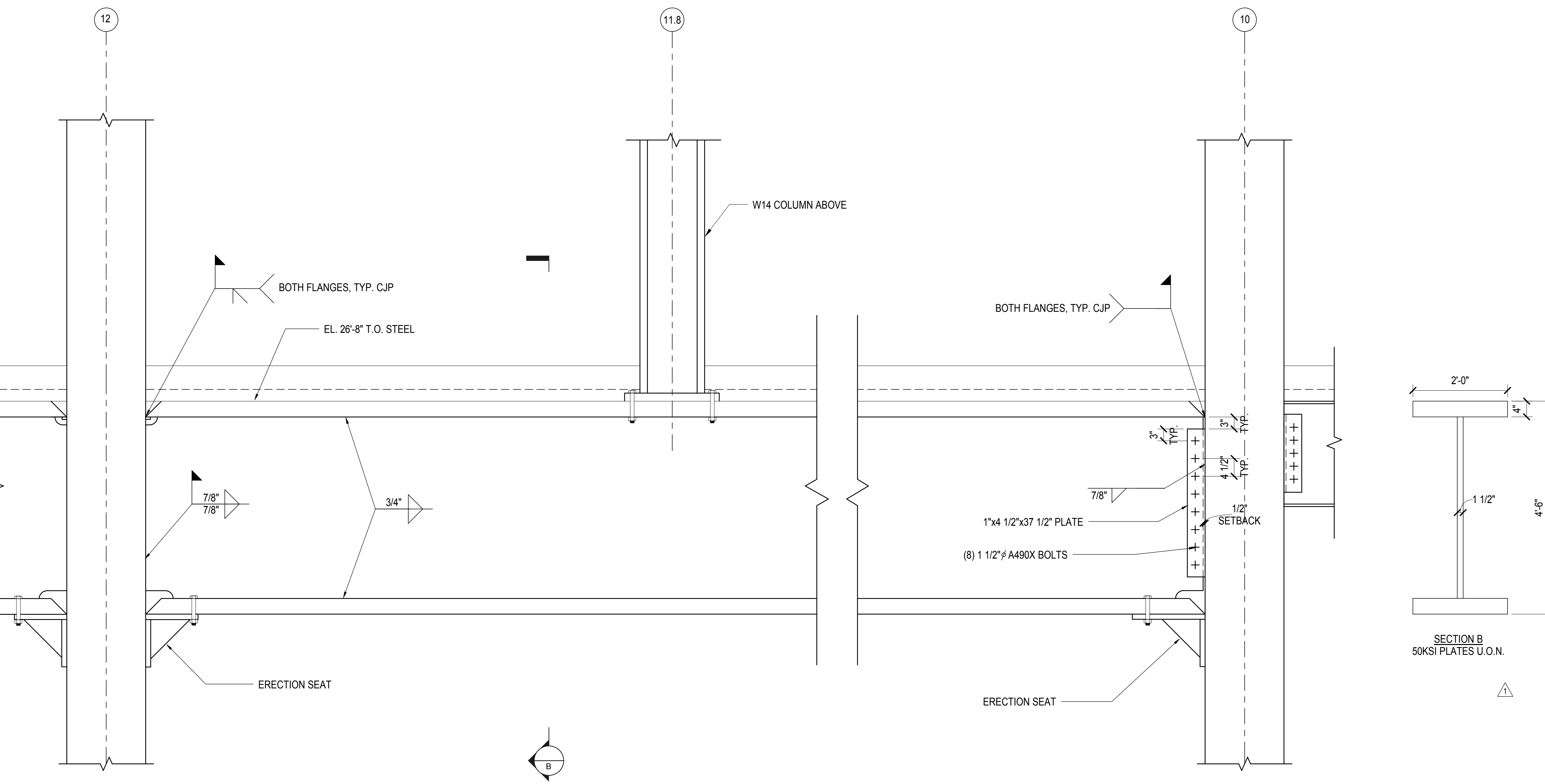
| TYPICAL PLATFORM PLATE GIRDERS | | | | | | | | | | |
|--------------------------------|-----------------------|-----------------------------|--------------------------|------------------------|------------------------|-------------|-------------|------|----|--------|
| LABEL | DEPTH (d) (IN) | FLANGE WIDTH (w) (IN) | FLANGE TH (t) (IN) | WEB TH (tw) (IN) | SELFWEIGHT (LBF/FT) | Fy (KSI) | WELD (D) | | | |
| PGE4-1 | 48 | 24 | 4.00 | 2.50 | 926 | 50 | 1" | | | |
| PGE4-2 | 48 | 24 | 4.00 | 4.00 | 1198 | 50 | 1-3/4" | | | |
| PGE4-3 | SEE SECTION 2/5810.00 | | | | | | | 1715 | 50 | - |
| PGE5-1 | 60 | 24 | 4.00 | 2.50 | 1096 | 50 | 1" | | | |
| PGE5-1-1 | 66 | 24 | 4.00 | 2.50 | 1147 | 50 | 1" | | | |
| PGE5-1-2 | 66 | 24 | 4.00 | 3.50 | 1344 | 50 | 1" | | | |
| PGE5-1-3 | 66 | 30 | 4.00 | 4.00 | 1607 | 50 | 1" | | | |
| PGE5-1-4 | SEE SECTION 2/5810.00 | | | | | | | 1607 | 50 | 1-1/8" |
| PGE5-1-5 | 72 | 24 | 3.00 | 2.00 | 940 | 50 | 3/4" | | | |
| PGE5-2 | 72 | 30 | 4.00 | 4.00 | 1661 | 50 | 1" | | | |



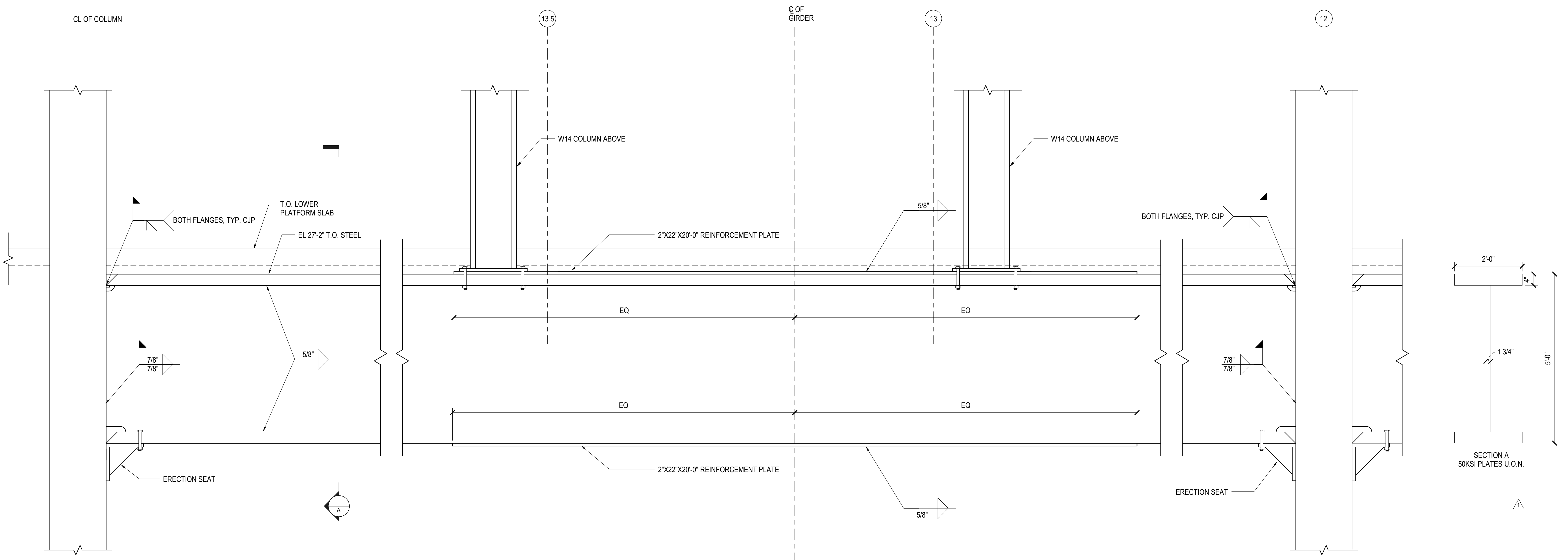
1 TYPICAL PLATFORM PLATE GIRDER SCHEDULE
1/4" = 1'-0"



2 ATYPICAL PLATE GIRDERS
3/4" = 1'-0"



3 TRANSFER GIRDER BETWEEN COLS G12 AND G10
3/4" = 1'-0"



4 TRANSFER GIRDER BETWEEN COLS G14 AND G12
3/4" = 1'-0"

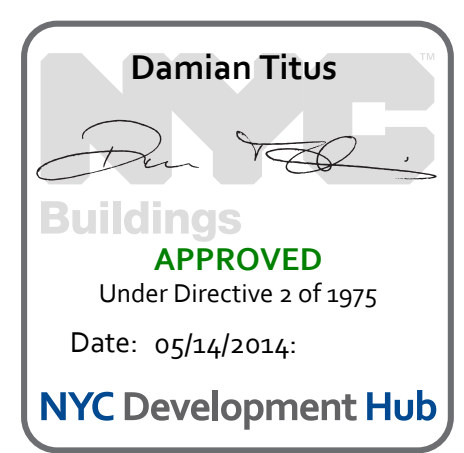
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|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MdE - PLATFORM SUBMISSION | |
| DI-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/24/2013 |
| DI-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 206 |

Rev. Plan

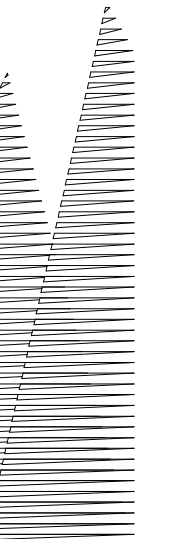
Date: 08/09/2013
Project No: N11330.00
Author: [Signature]
Matter Number: [Signature]

HYE-PL-S-610.00
Drawing Title:
**EAST PLATFORM
PLATE GIRDER
DETAILS**

Drawing Number / B/S/C/S Drawing Number
S-610.00



S-610.00
11/22/2013 3:25:07 PM
EAST PLATFORM PLATE GIRDER DETAILS
C:\S\11330\N11330.00 - East Platform - Central_Col.mxd



Client
Related Companies
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Tel: 212.801.1000 Fax: 212.801.1048

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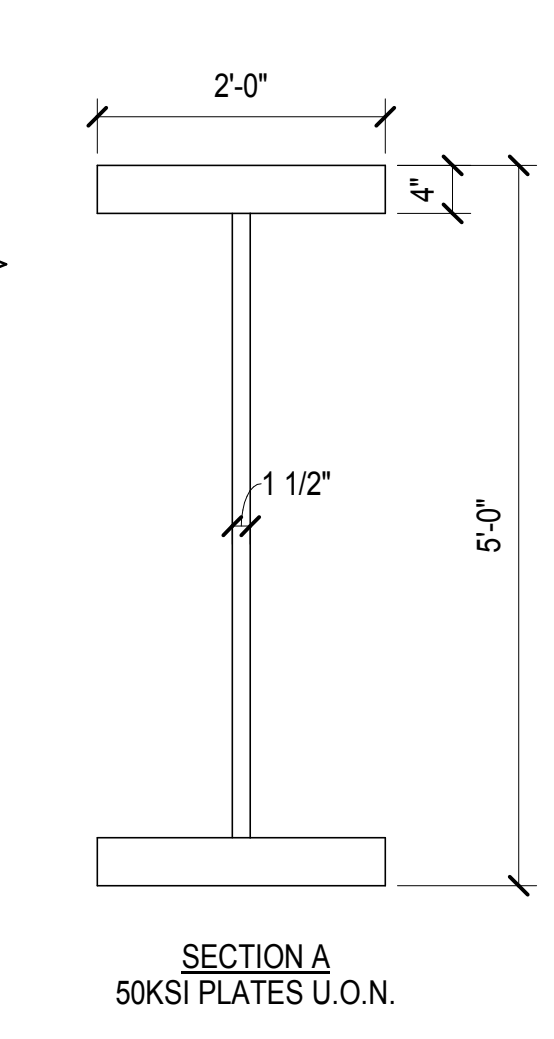
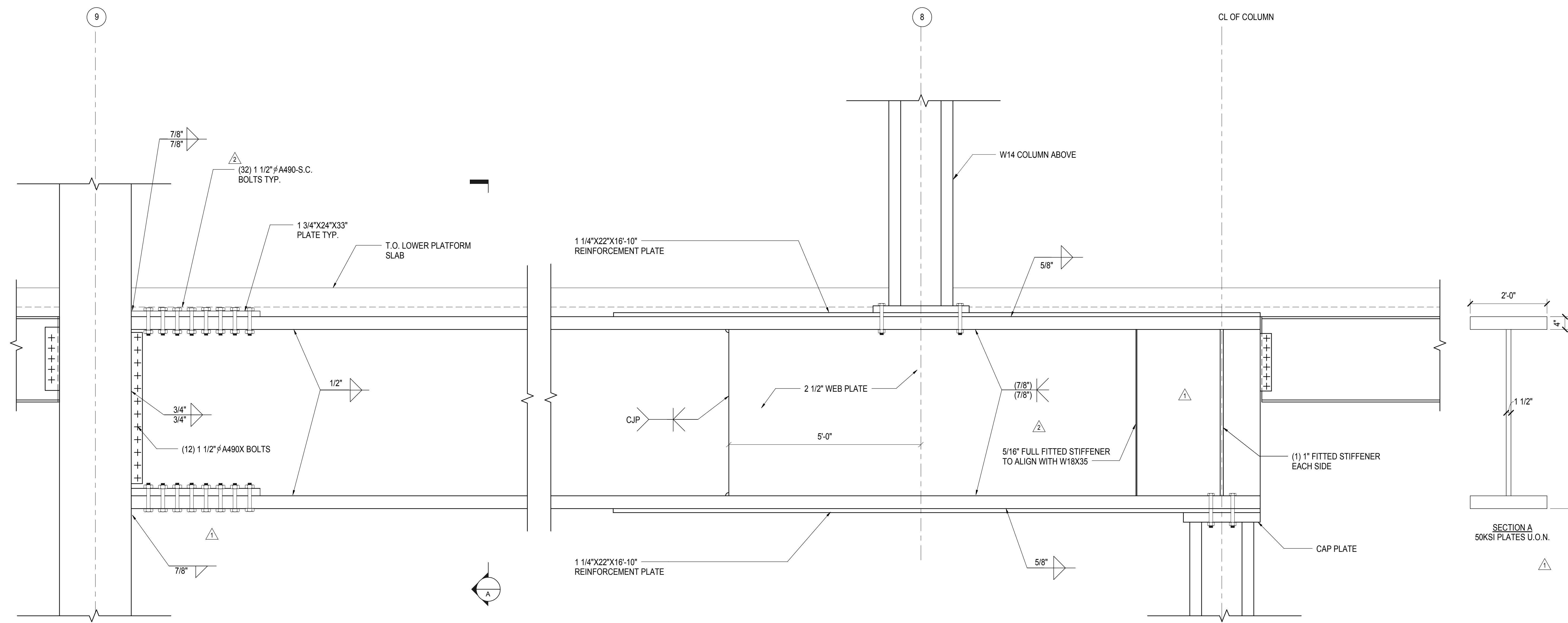
Architect
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PC Architects & Planning Consultants
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New York, New York 10036
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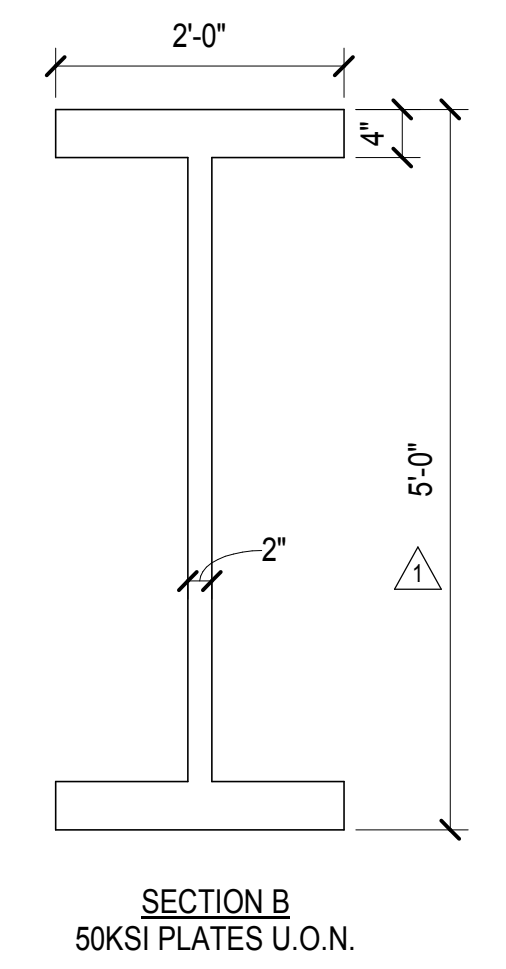
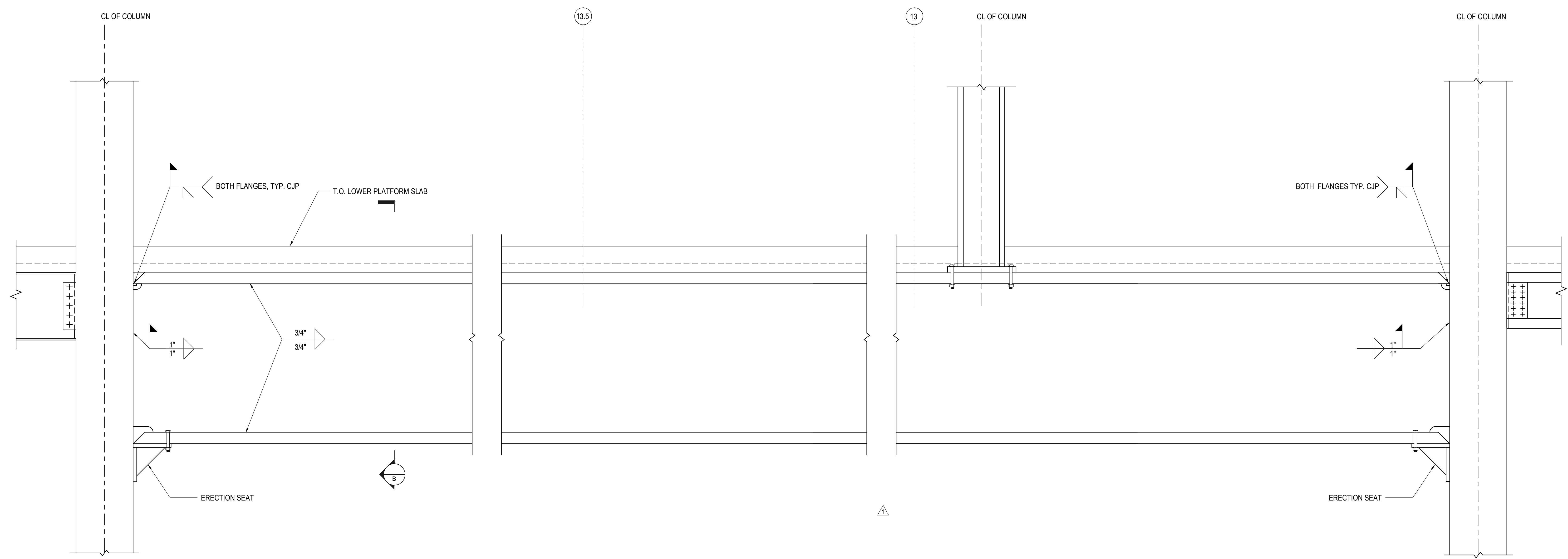
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AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRANSFER GIRDER BETWEEN COLS G9 AND G8
3/4" = 1'-0"



2 TRANSFER GIRDER BETWEEN COLS H14 AND H12
3/4" = 1'-0"

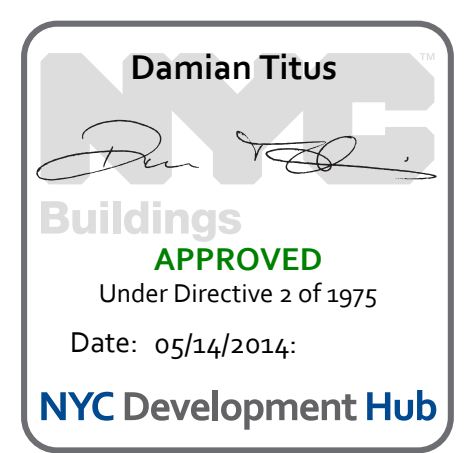
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|------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MdE - PLATFORM SUBMISSION | |
| Δ - D-42 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - D-40 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FRNS | 3/29/2013 |
| NYC Description | Other |

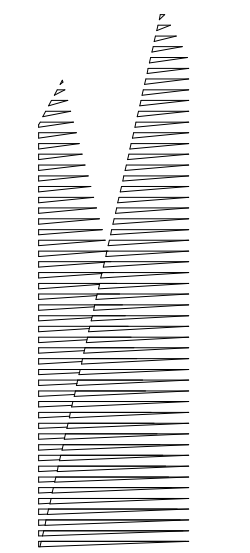
Fig. Plan

Date: 08/09/2013
Project No: N11330.00
Drawing No: Author

HYE-PL-S-611.00
**EAST PLATFORM
PLATE GIRDER
DETAILS**

Drawing Number / B/S/C/S Drawing Number
S-611.00





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

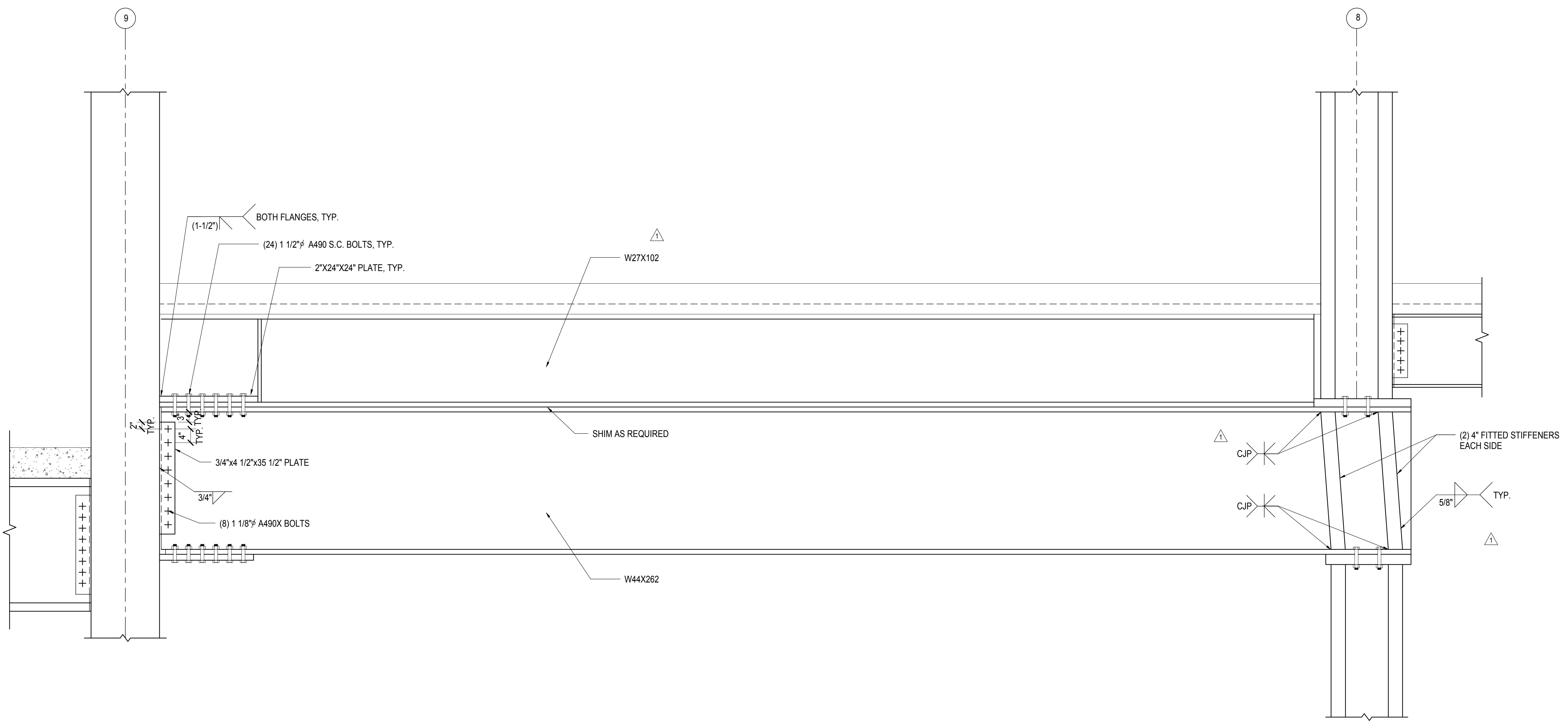
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

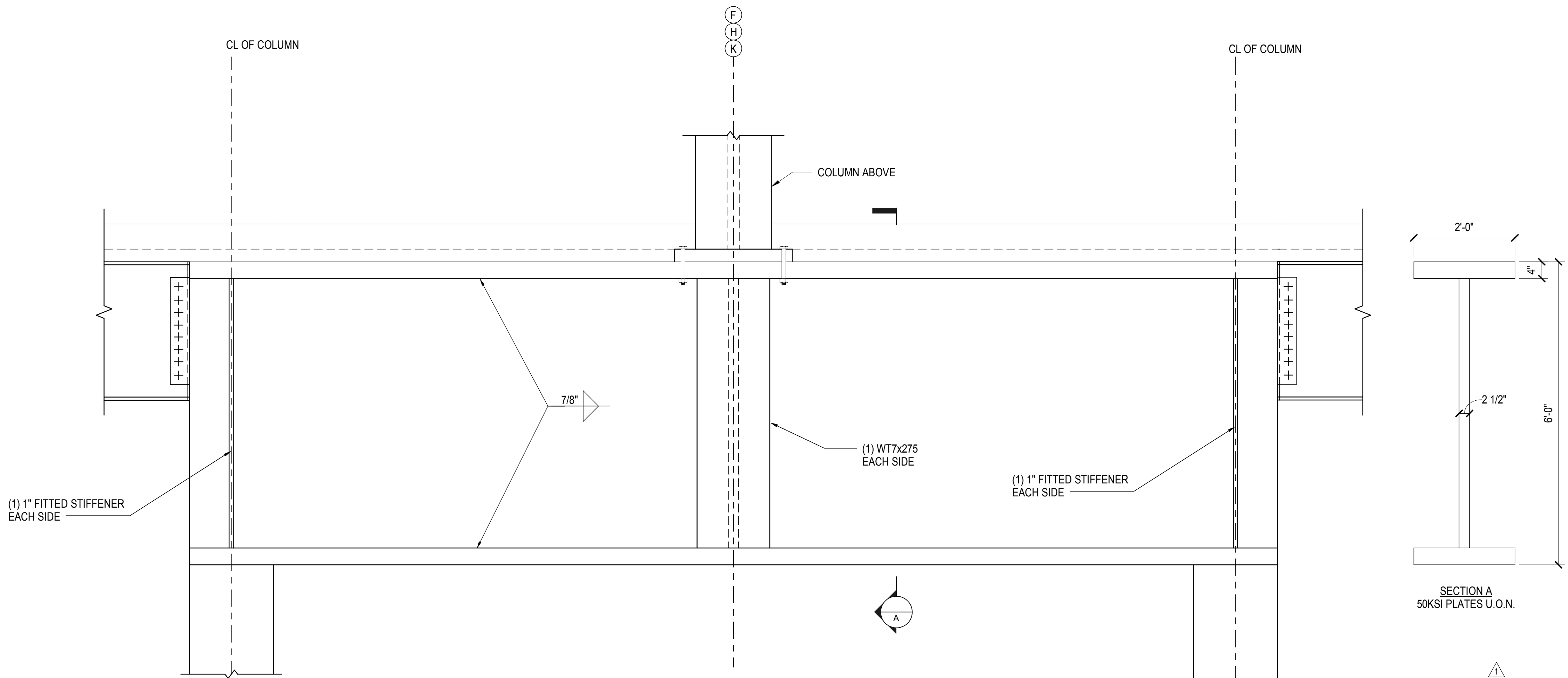
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRANSFER GIRDER BETWEEN COLS H9 AND H8

3/4" = 1'-0"

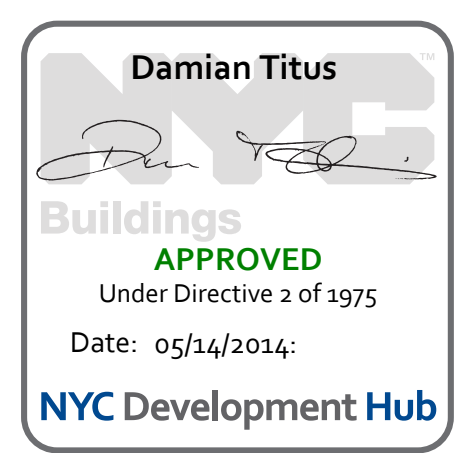


2 TYPICAL TRANSFER GIRDER ALONG GRID 3

3/4" = 1'-0"

| | |
|--------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| DL-02 PHASE 1 STRUCTURE UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DL-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 206 |

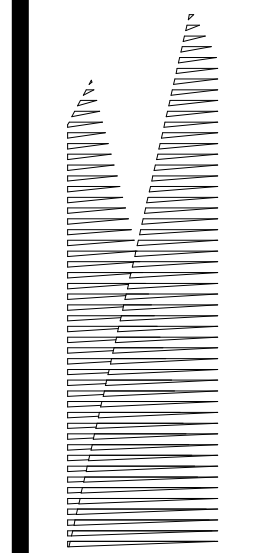
Key Plan



| | |
|--------------|------------|
| Date | 08/09/2013 |
| Project No. | N11330.00 |
| Drawn By | Author |
| Sheet Number | |

HYE-PL-S-612.00
EAST PLATFORM
PLATE GIRDER
DETAILS

Drawing Number / B/S/C/S Drawing Number
S-612.00



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

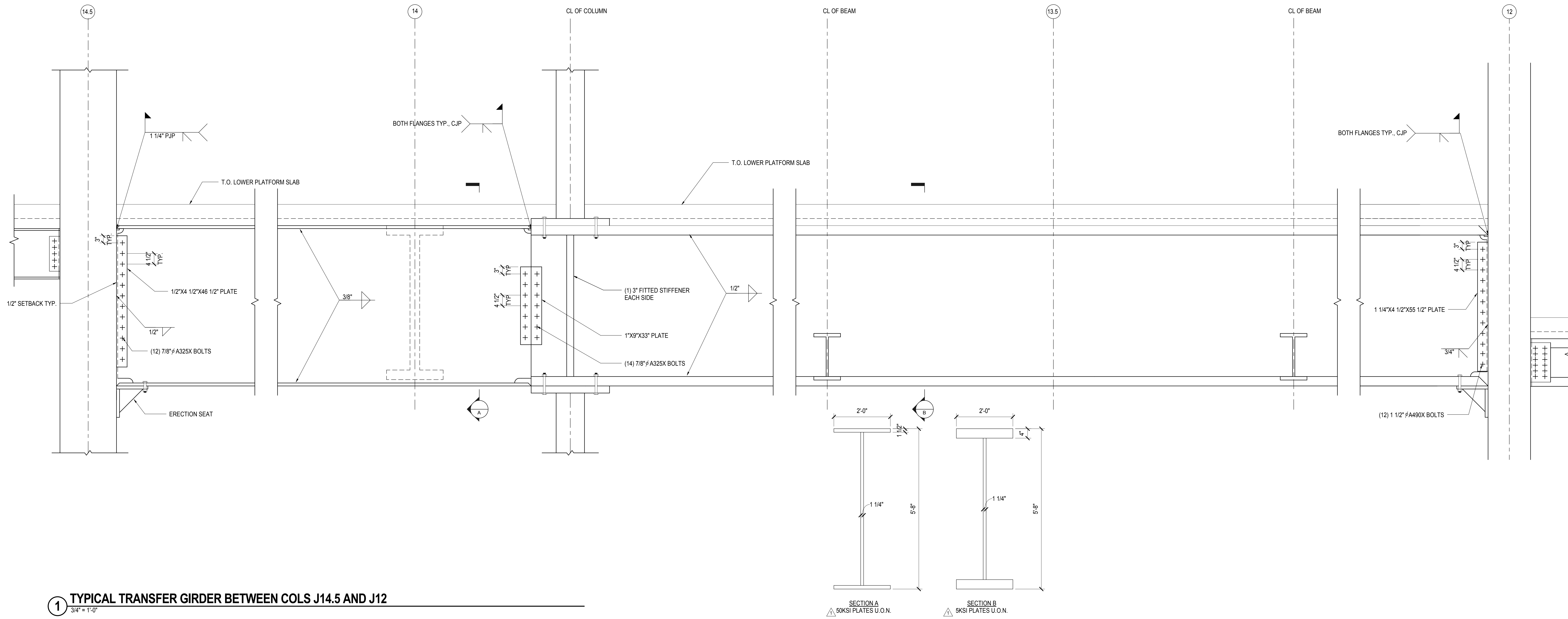
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

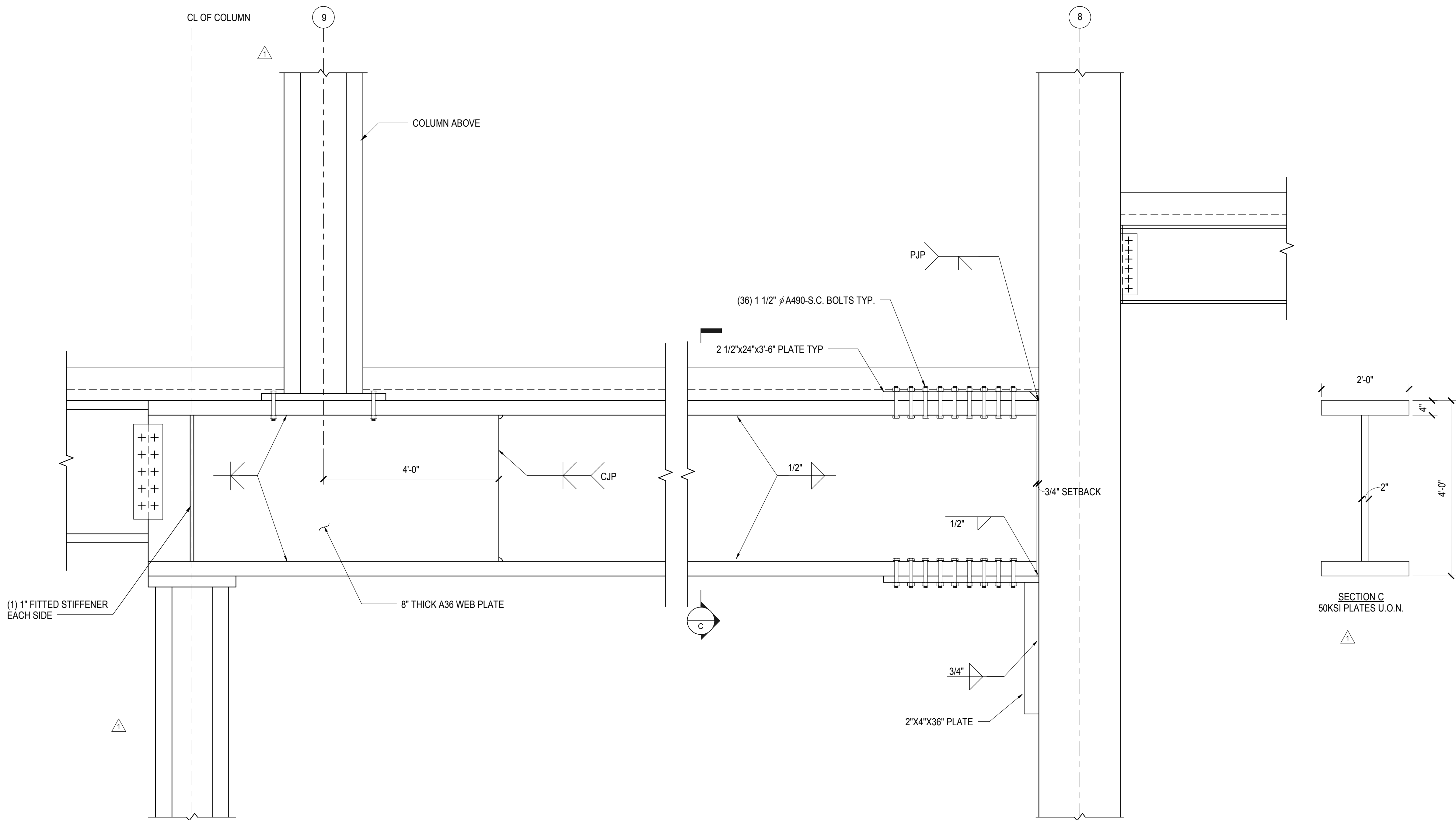
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
405 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TYPICAL TRANSFER GIRDER BETWEEN COLS J14.5 AND J12
3/4" = 1'-0"



2 TRANSFER GIRDER BETWEEN COLS J9 AND J8
3/4" = 1'-0"

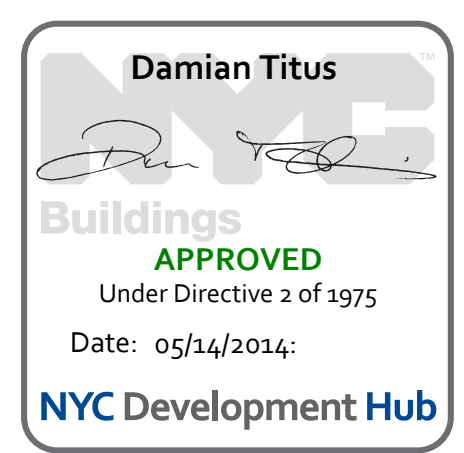
| | |
|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| DL-02 PHASE I STRUCTURAL UPDATE | 11/17/2013 |
| NYC DOB FILING | 10/4/2013 |
| DL-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 206 |

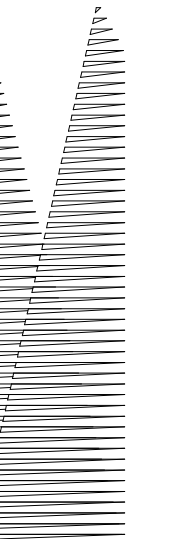
Rev. Plot

Date: 08/09/2013
Project No: N11330.00
Drawing No: Author
Sheet Number

HYE-PL-S-613.00
EAST PLATFORM
PLATE GIRDER
DETAILS

Drawing Number / B/S/C/N Drawing Number
S-613.00
SHEET 161 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

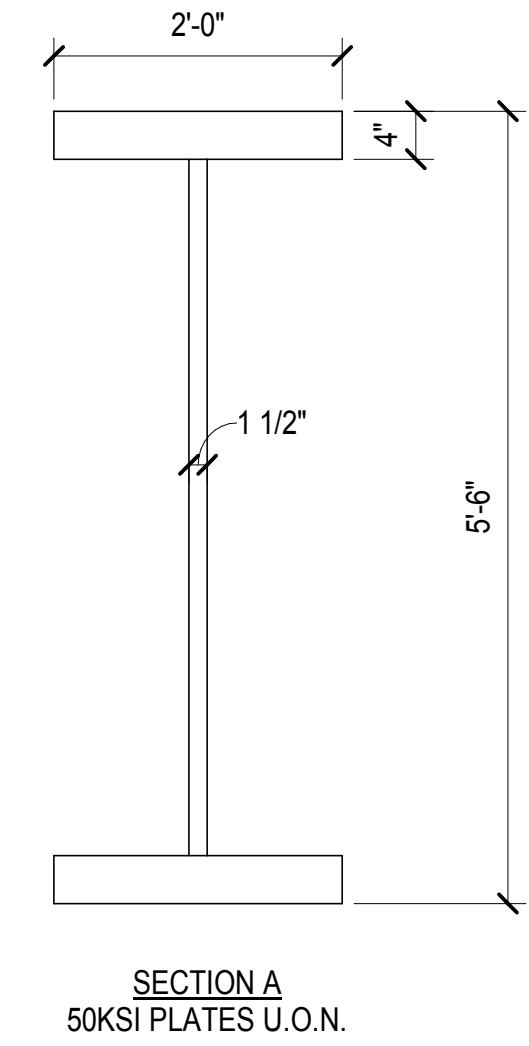
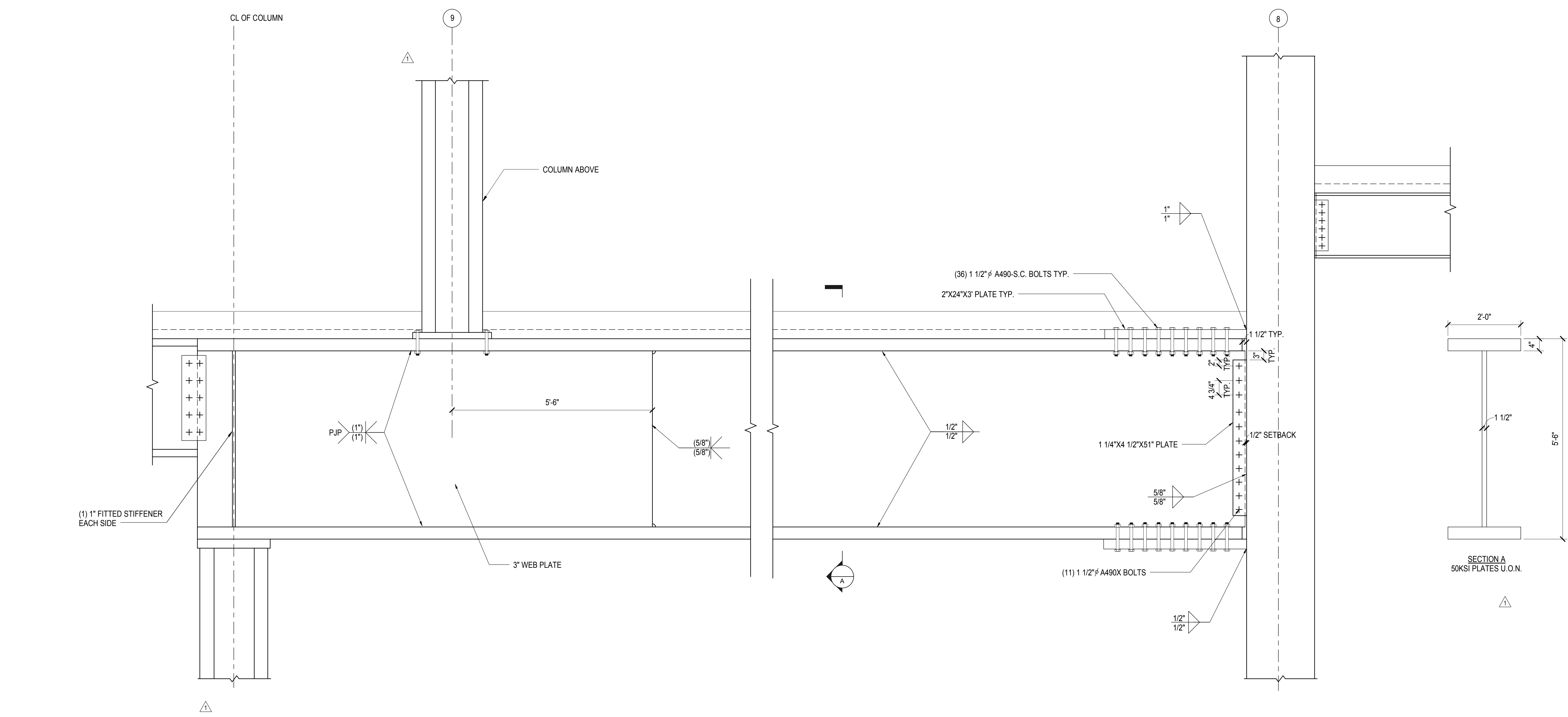
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

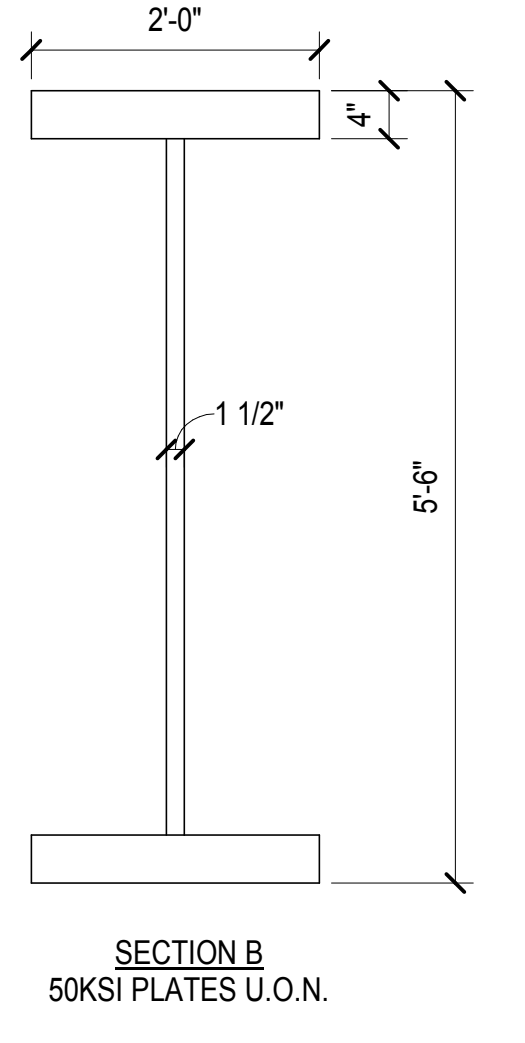
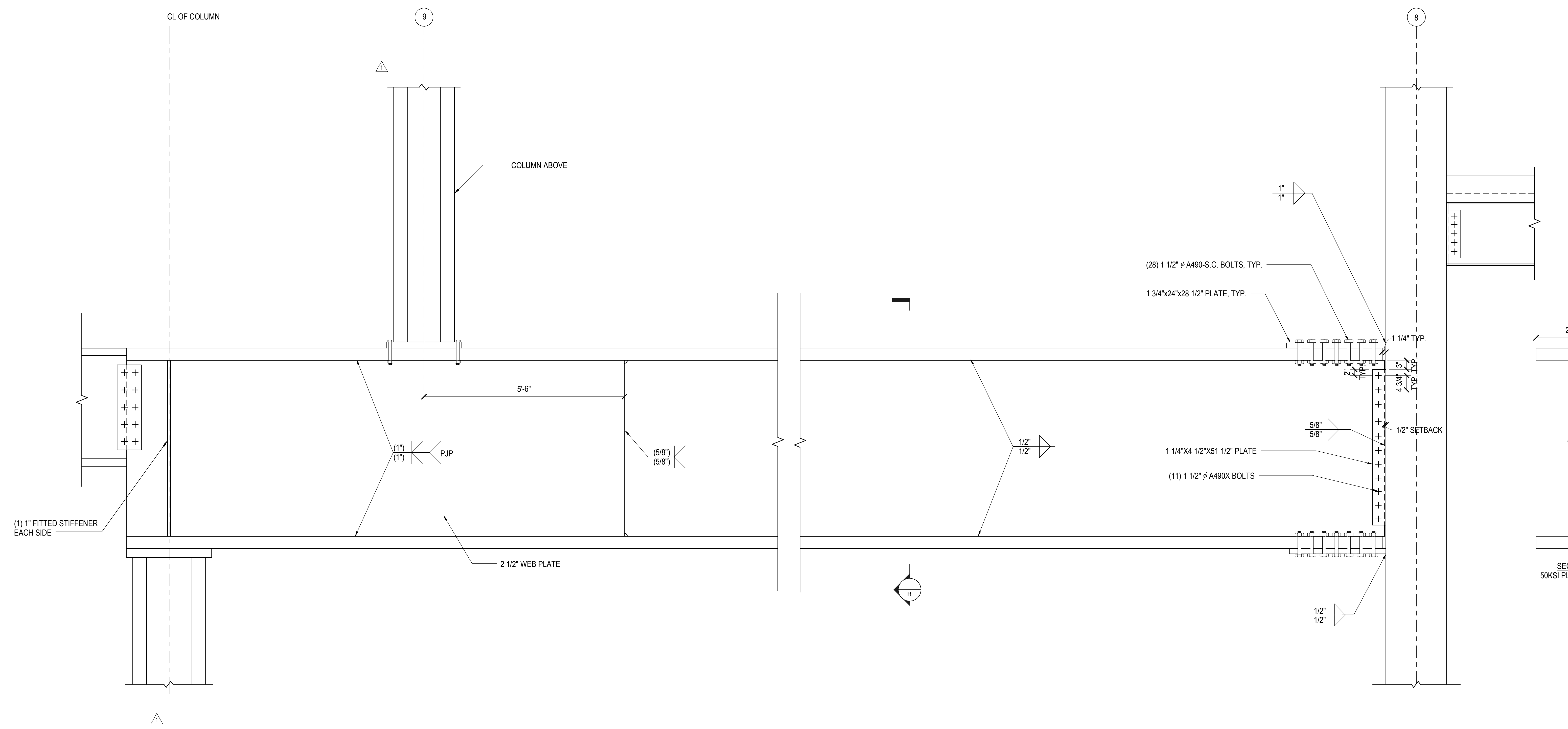
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRANSFER GIRDER BETWEEN COLS K9 AND K8
3/4\" = 1'-0"



2 TRANSFER GIRDER BETWEEN COLS L9 AND L8
3/4\" = 1'-0"

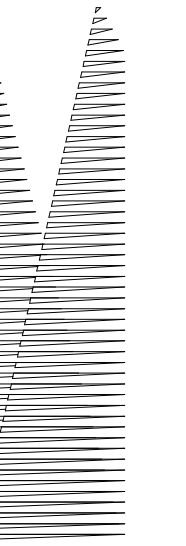
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| NYC DOB FILING | 12/4/2013 |
| L.I.R. - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| DE-2 PHASE 1 STRUCTURAL UPDATE | 11/17/2013 |
| NYC DOB FILING | 10/4/2013 |
| DE-1 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 206 |

Rev. Plot

| | |
|--------------|------------|
| Date | 08/09/2013 |
| Project No. | N11330.00 |
| Drawn By | Authr |
| Sheet Number | |

APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

HYE-PL-S-614.00
EAST PLATFORM
PLATE GIRDER
DETAILS



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

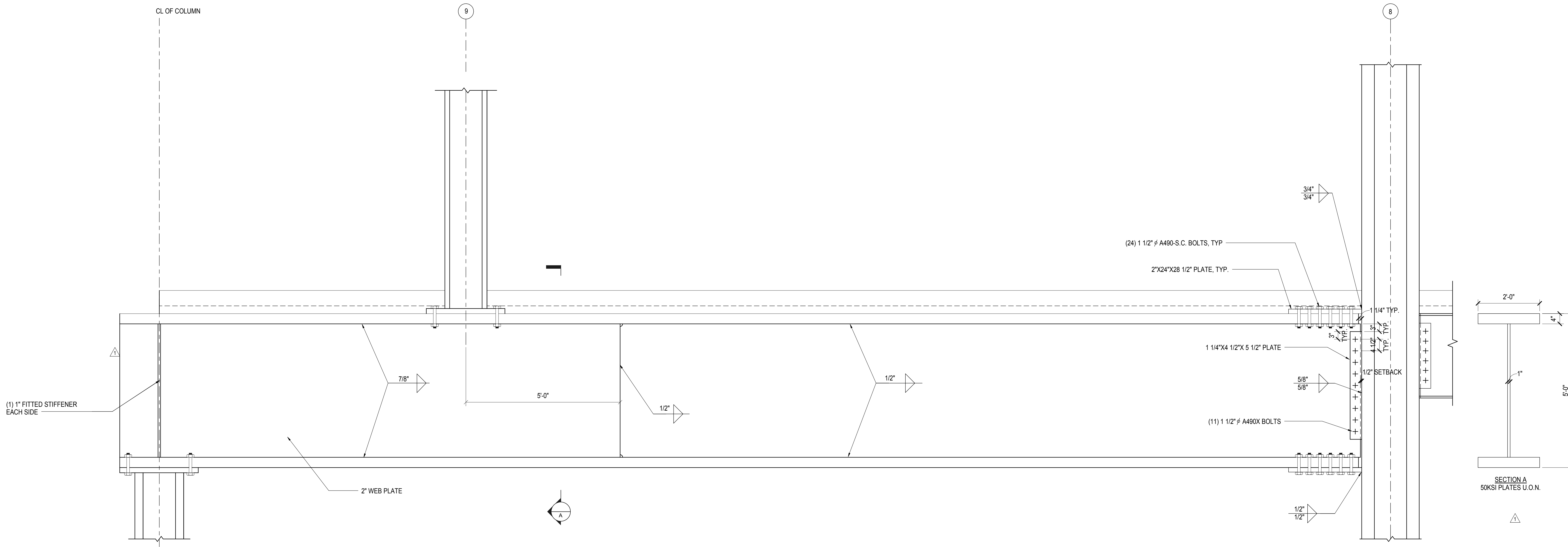
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
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51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



1 TRANSFER GIRDER BETWEEN COLS M9 AND M8
3/4\"/>

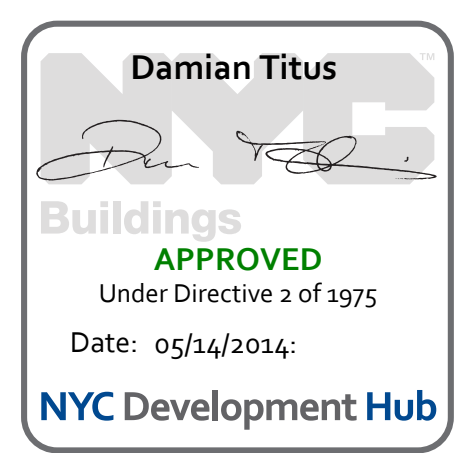
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| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 100 |

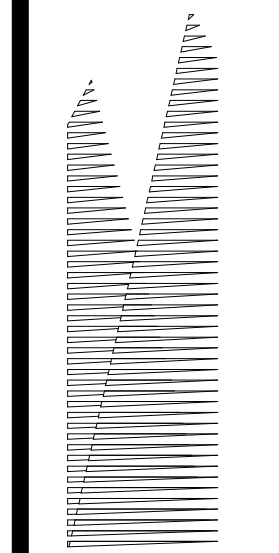
Rev. Plot

| | |
|--------------|------------|
| Date | 08/09/2013 |
| Project No | N11330.00 |
| Title No | Author |
| Sheet Number | |

HYE-PL-S-615.00
Drawing Title
**EAST PLATFORM
PLATE GIRDER
DETAILS**

Drawing Number / B/S/C/S/N Drawing Number
S-615.00
SHEET 163 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Construction Manager
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

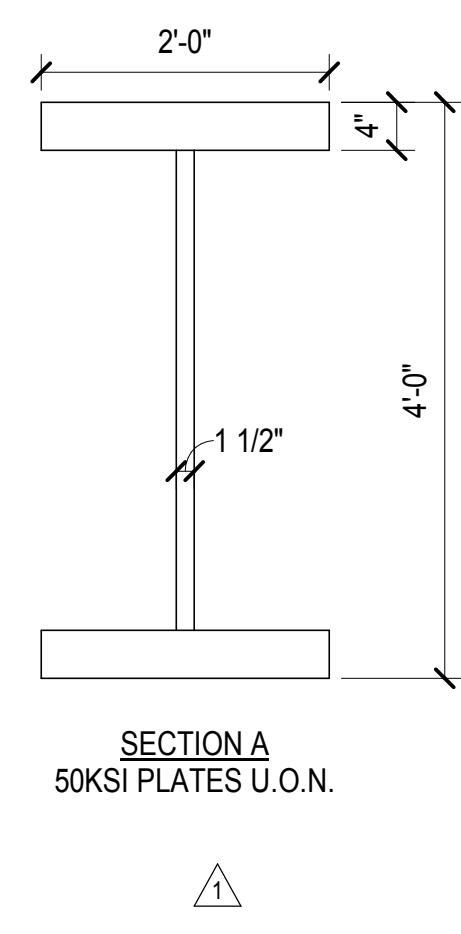
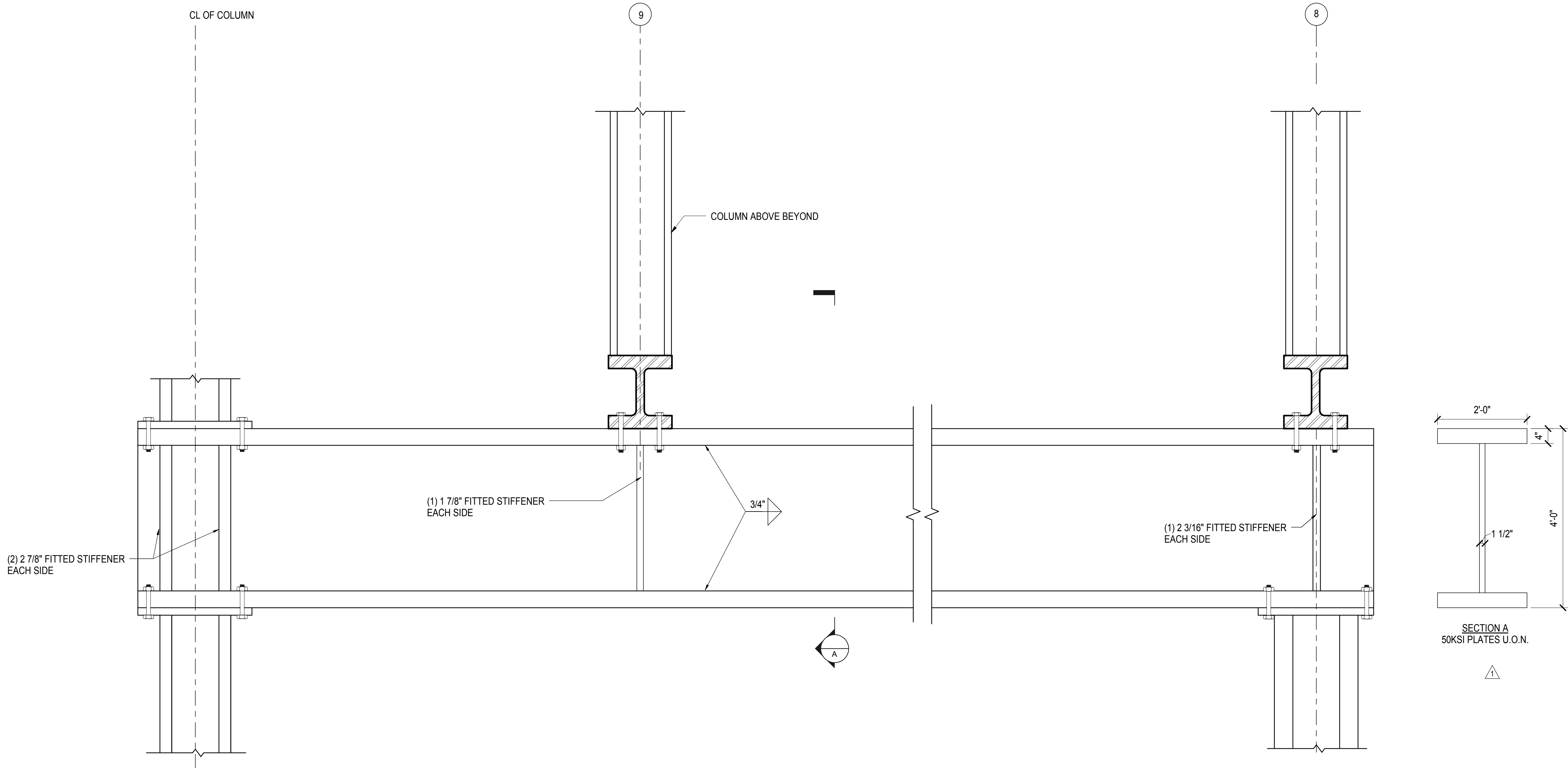
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

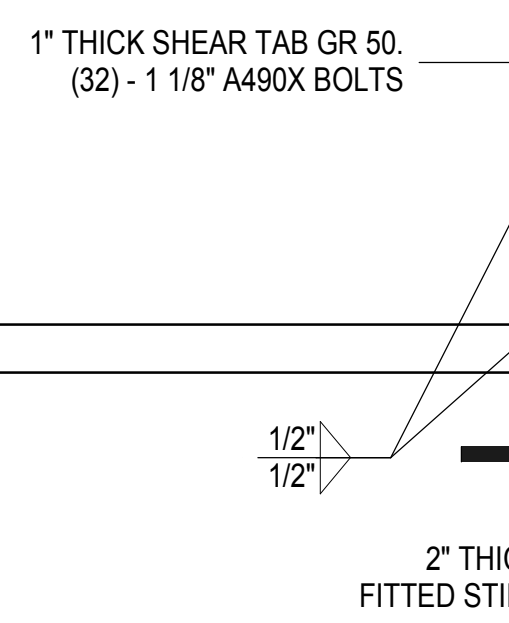
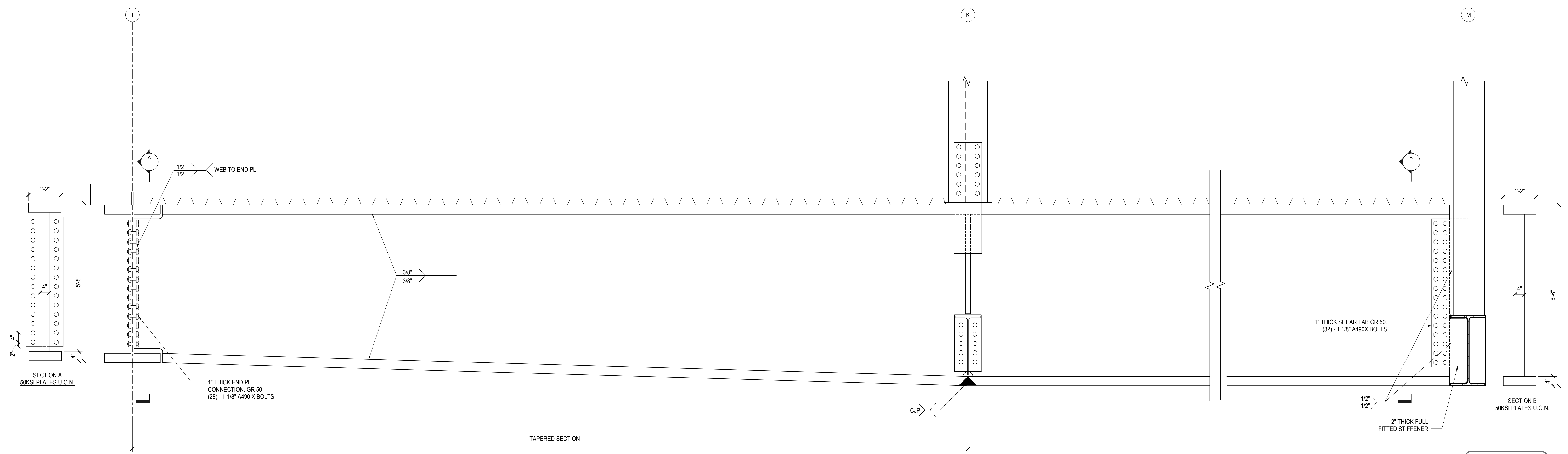
*Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group*
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



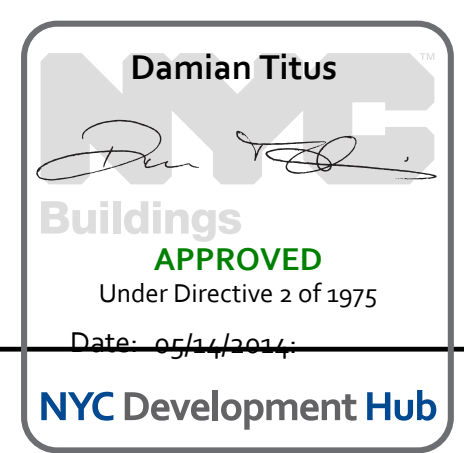
1 TRANSFER GIRDER BETWEEN COLS N9 AND N8
3/4" = 1'-0"



2 PLATE GIRDER BETWEEN J/14 TO M/14
3/4" = 1'-0"

| | |
|---------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| LIRR - PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| DI-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DI-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| Rev | Description |

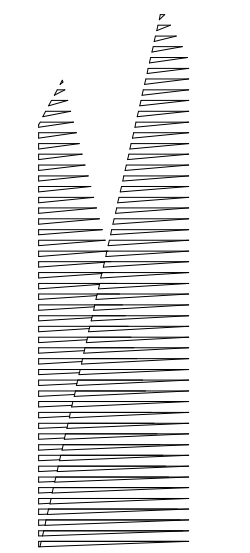
Rev Plot



Date: 08/09/2013
Project No: N11330.00
Drawing No: Author
Sheet Number

HYE-PL-S-616.00
EAST PLATFORM
PLATE GIRDER
DETAILS

Drawing Number / B/S/C/S Drawing Number
S-616.00
SHEET 164 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510
Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Persons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
405 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

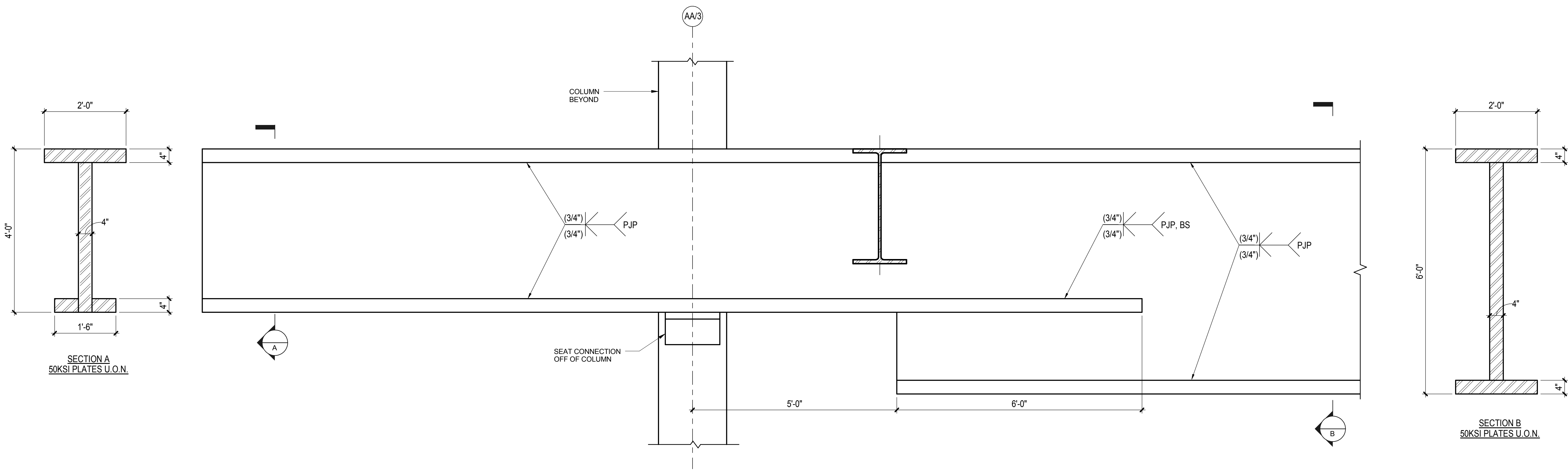
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MdE - PLATFORM SUBMISSION | |
| A. D-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. D-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| NYC DOB FILING | 9/20/2013 |

Rev. Plot

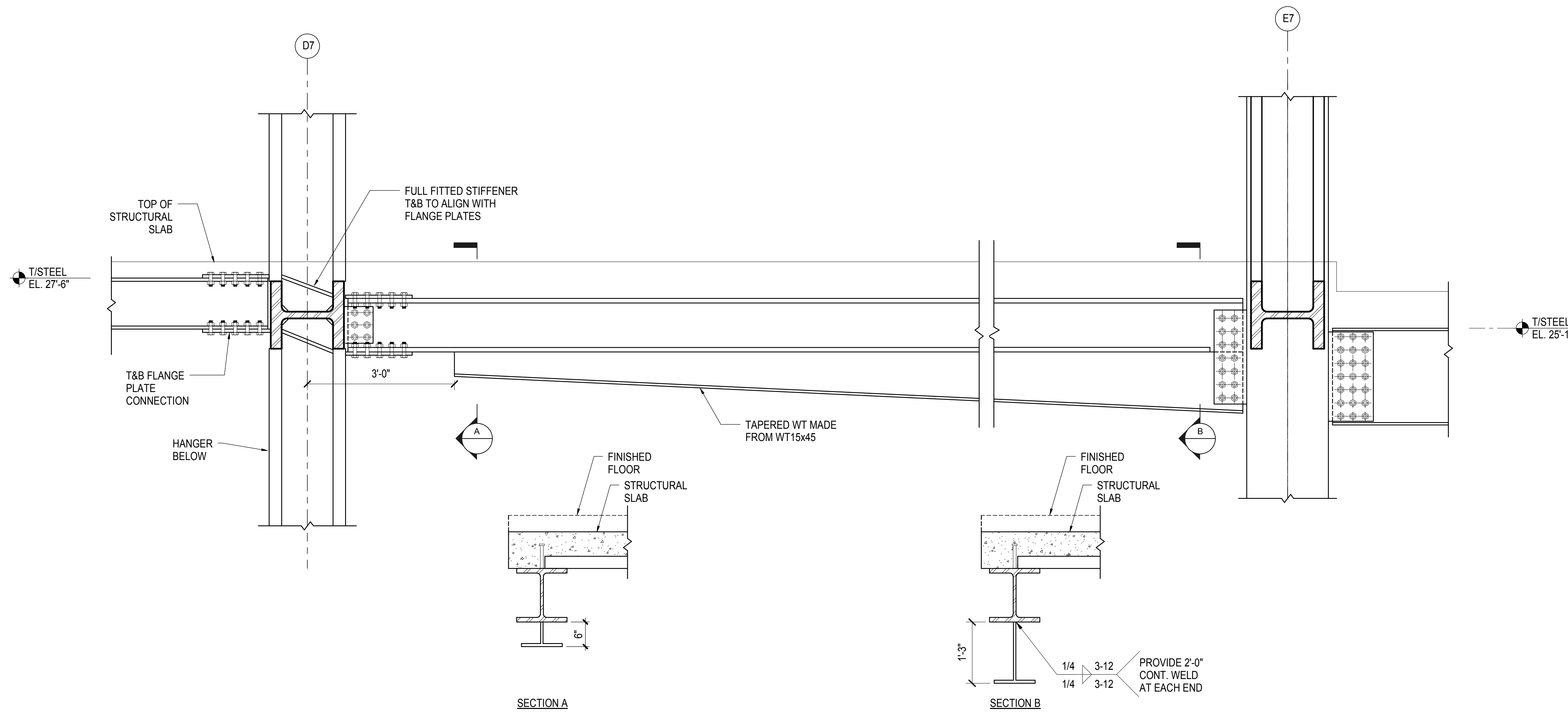
Date: 09/20/2013
Project No: N11330.00
Drawing No: Auth
Sheet Number

HYE-PL-S-617.00
Drawing Title
**EAST PLATFORM
PLATE GIRDER
DETAILS**

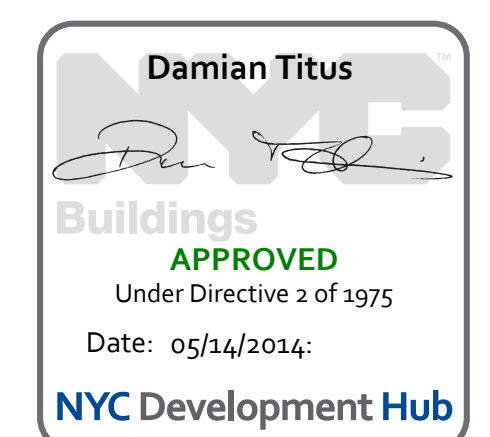
Drawing Number / Revision Drawing Number
S-617.00



1 TRANSFER GIRDER ON GRID 3 BETWEEN AA AND A.5
3/4" = 1'-0"



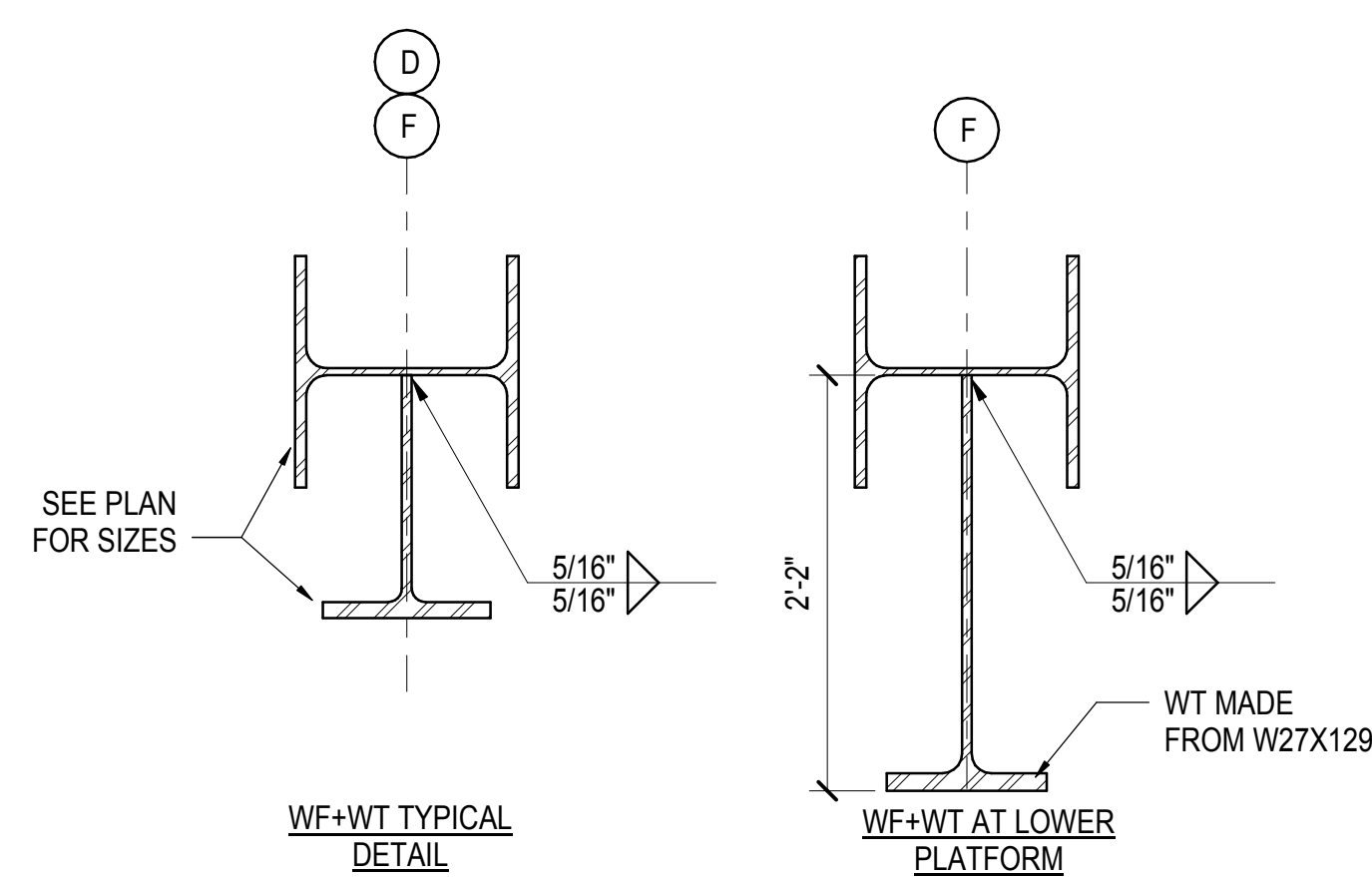
2 GIRDER ON GRID 7 BETWEEN D AND E
3/4" = 1'-0"



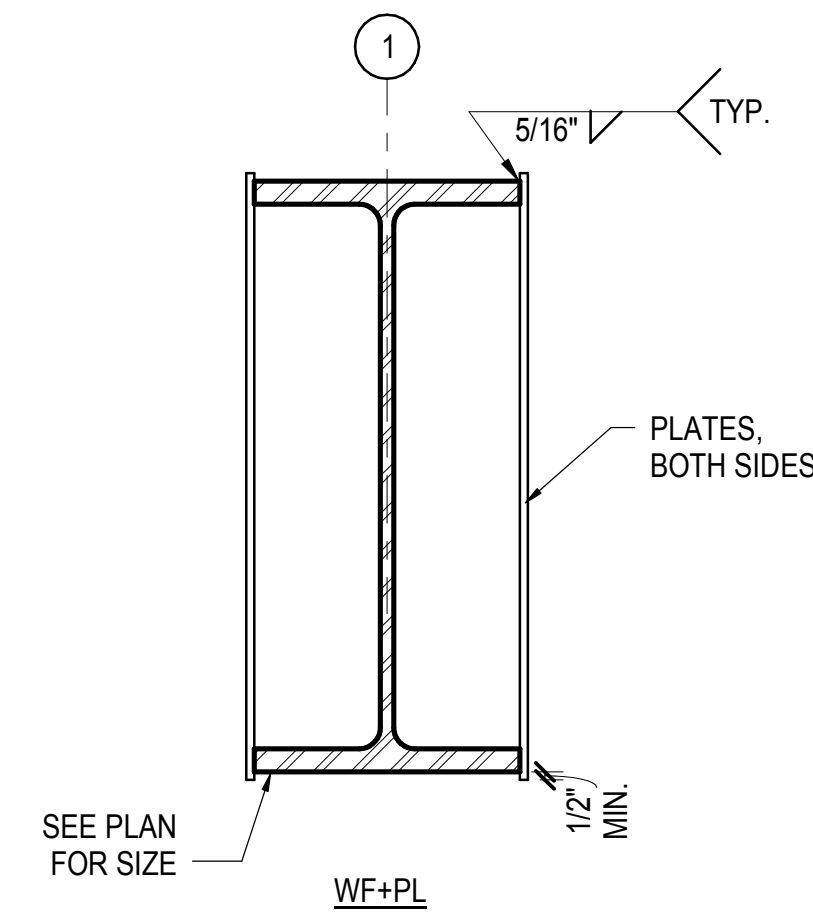
Date: 09/20/2013
Project No: N11330.00
Drawing No: Auth
Sheet Number

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Drawing Title
**EAST PLATFORM
PLATE GIRDER
DETAILS**

Drawing Number / Revision Drawing Number
S-617.00



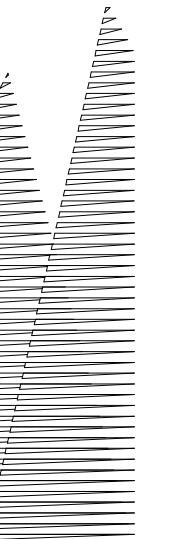
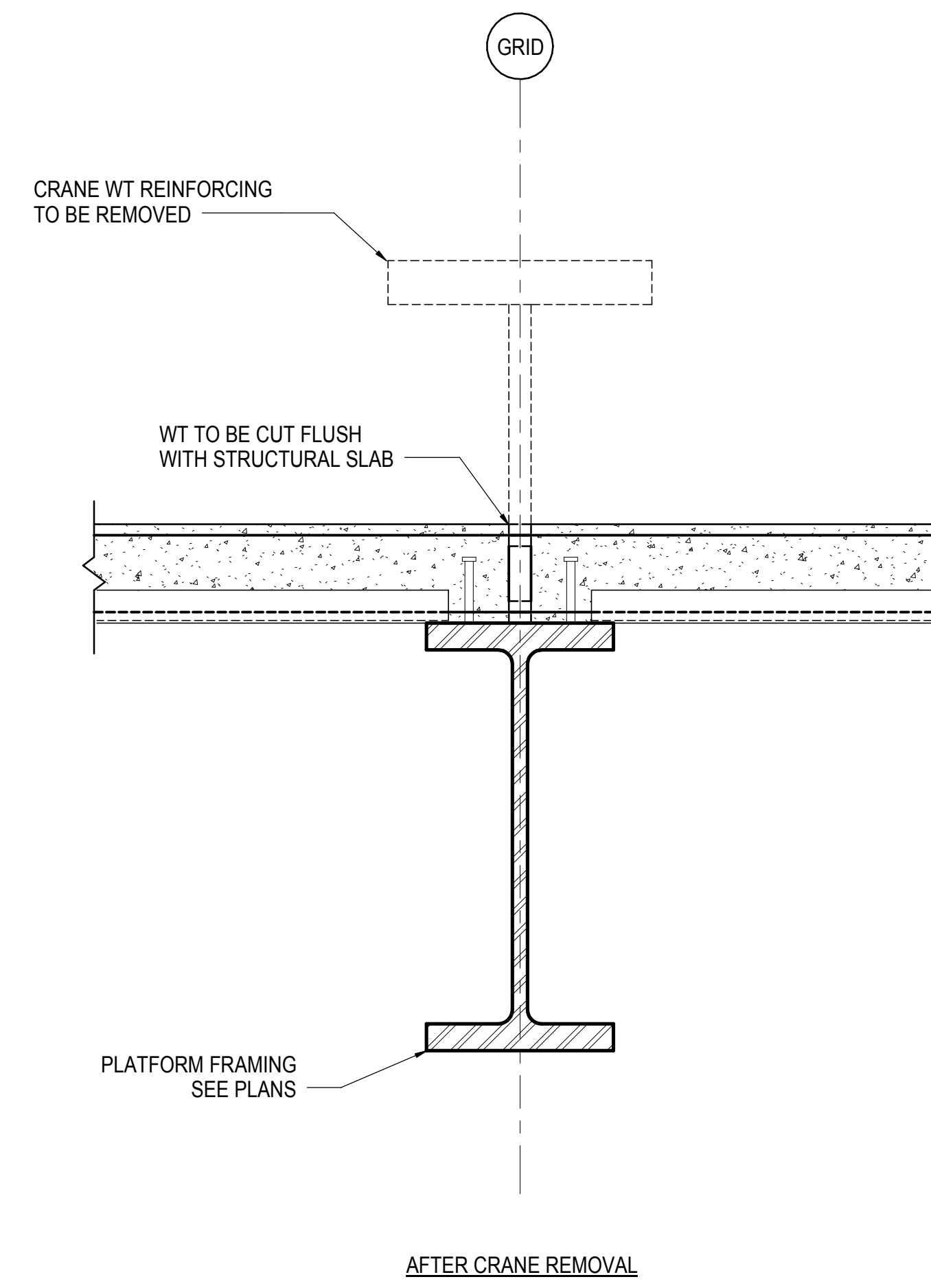
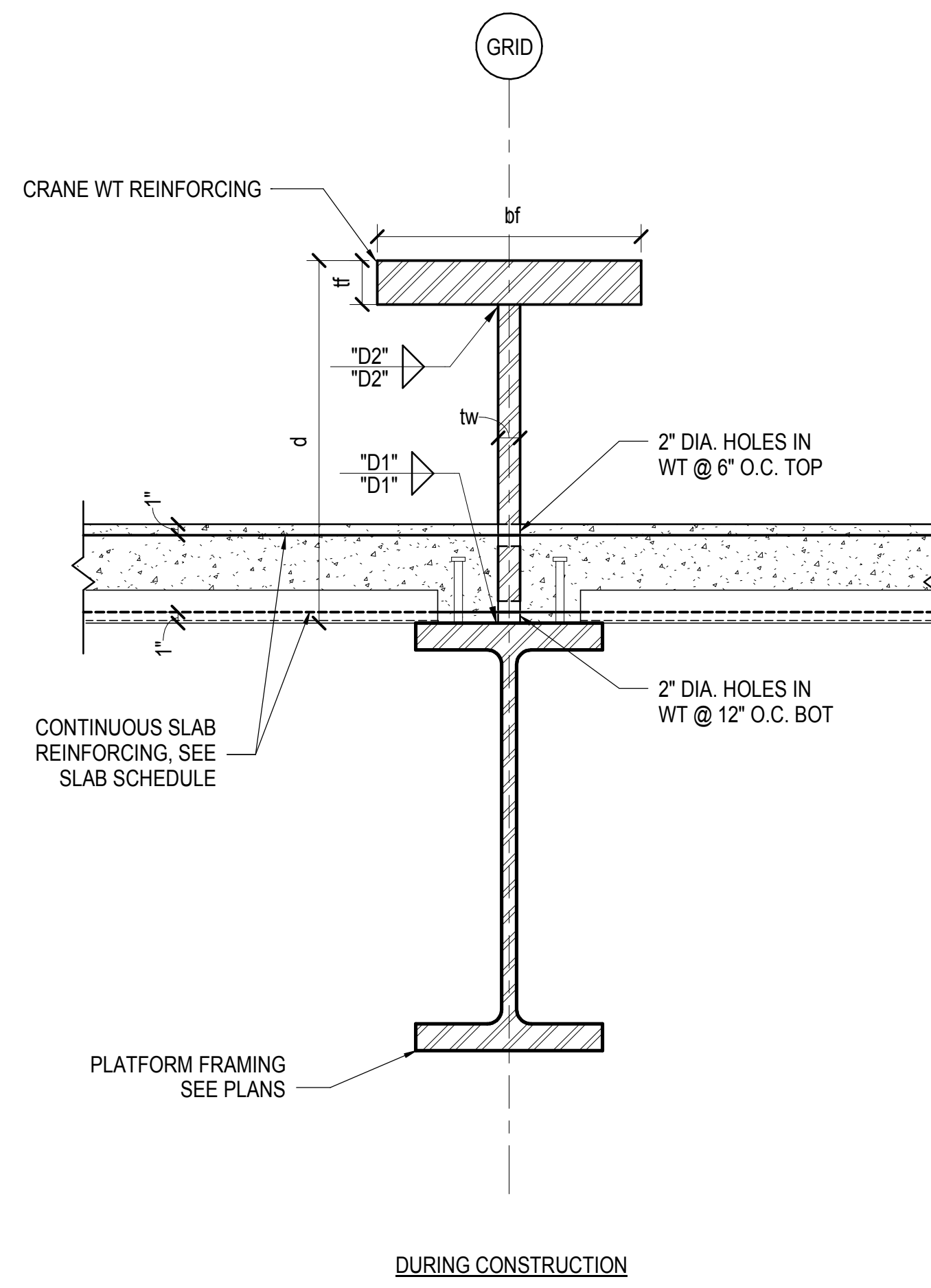
1 WF+WT DETAIL BETWEEN TRUSSES
1" = 1'-0"



2 WF+PL DETAIL AT GRID 1
1" = 1'-0"

| CRANE WT REINFORCING | | | | | | |
|----------------------|-------|-------|------|-------|----|------------|
| WT REINFORCING | d | bf | tf | tw | Fy | D1 D2 |
| WT33-1 | 2'-9" | 2'-0" | 1.5" | 1.25" | 50 | 5/8" 5/16" |
| WT33-2 | 2'-9" | 2'-0" | 1.5" | 1.5" | 50 | 5/8" 3/8" |
| WT33-3 | 2'-9" | 2'-0" | 2.5" | 1.25" | 50 | 5/8" 1/2" |
| WT33-4 | 2'-9" | 2'-0" | 2.5" | 2" | 50 | 3/4" 1/2" |
| WT33-6 | 2'-9" | 2'-0" | 4" | 3" | 65 | 5/8" 1/2" |

3 CRANE WT REINFORCING
1" = 1'-0"



Client
Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

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Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

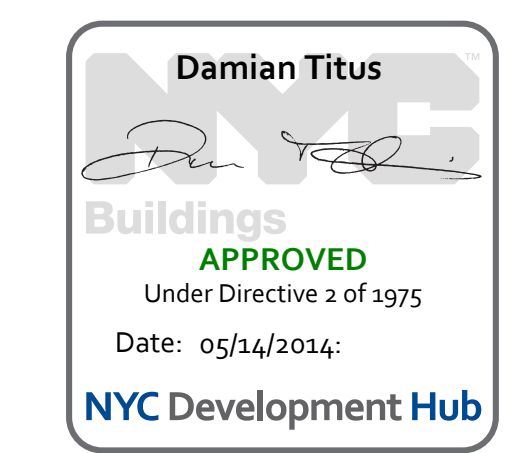
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MdE - PL PLATFORM SUBMISSION | |
| A. D-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. D-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| Rev | Description |

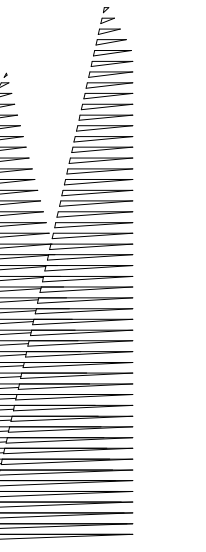
Rev. Plot



Date: 09/20/13
Project No: N11330.00
Title: Author
Sheet Number: Author

HYE - PL -S-620.00
Drawing Title
STEEL DETAILS

Drawing Number / B/S/C/S Drawing Number
S-620.00
SHEET 166 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Officer Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

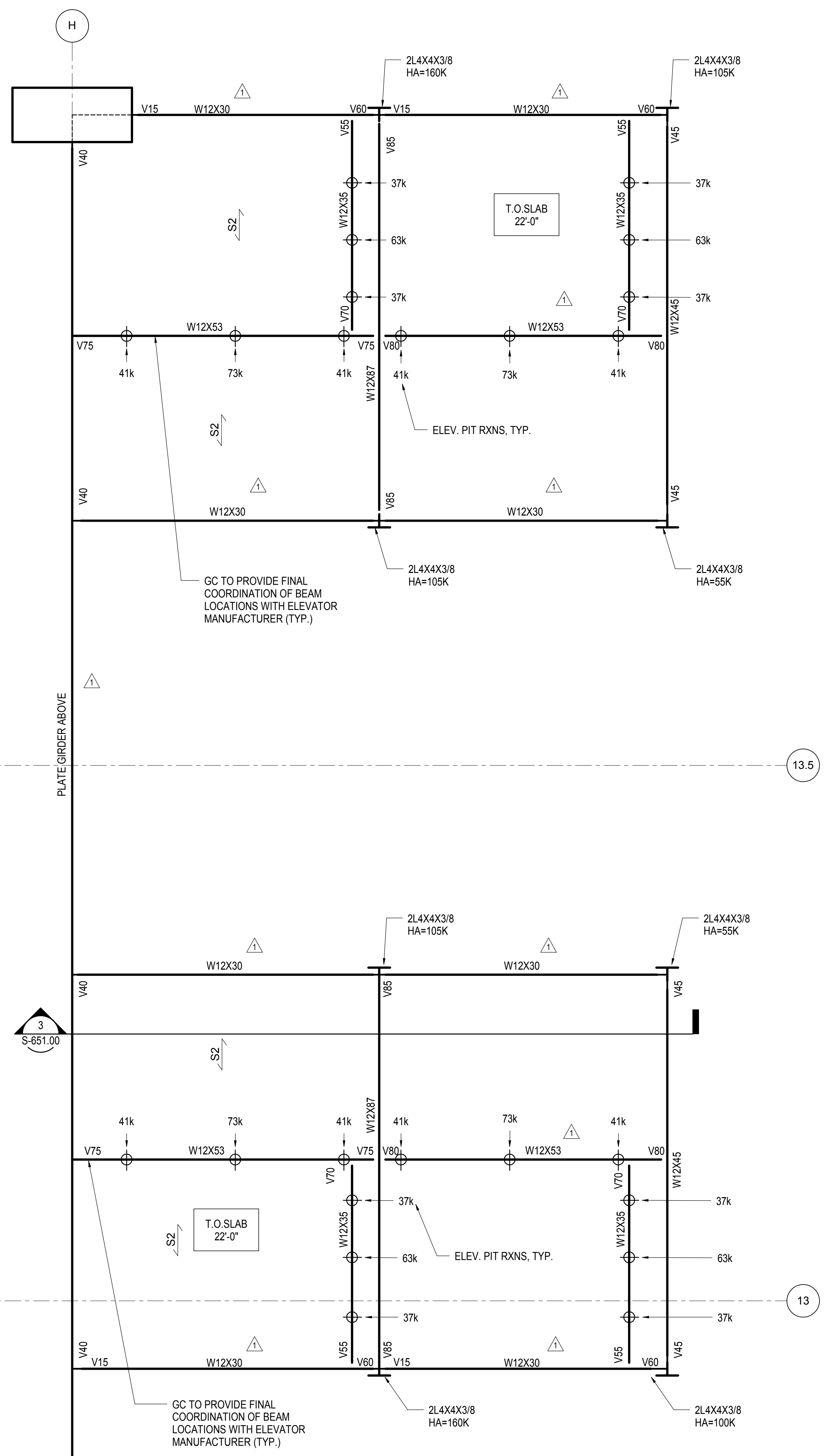
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

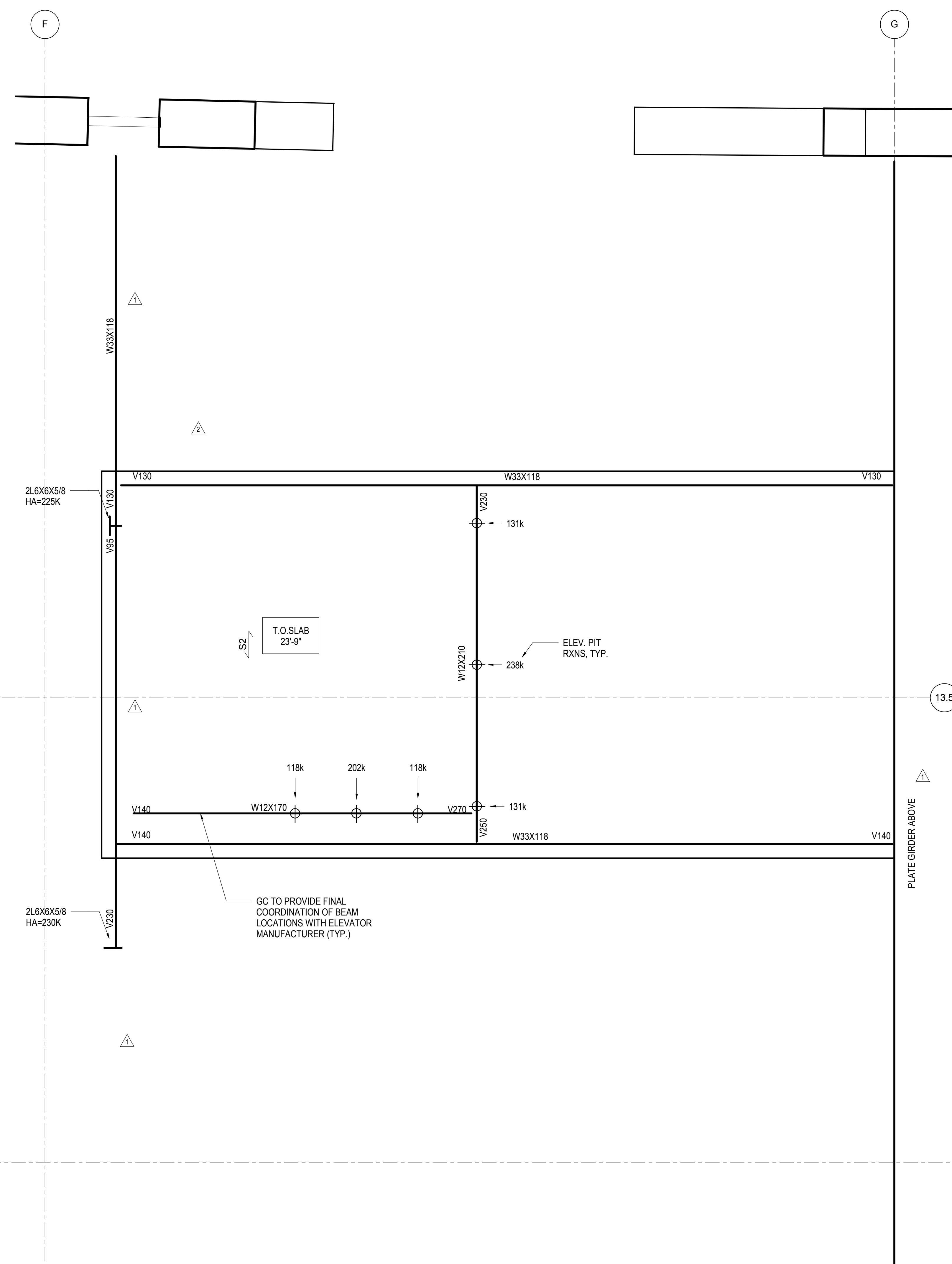
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|--|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. - PLATFORM SUBMISSION | |
| Mod. - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/17/2013 |
| NYC DOB FILING | 10/4/2013 |
| Mod. - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| Rev | Desc |

Rev Plot

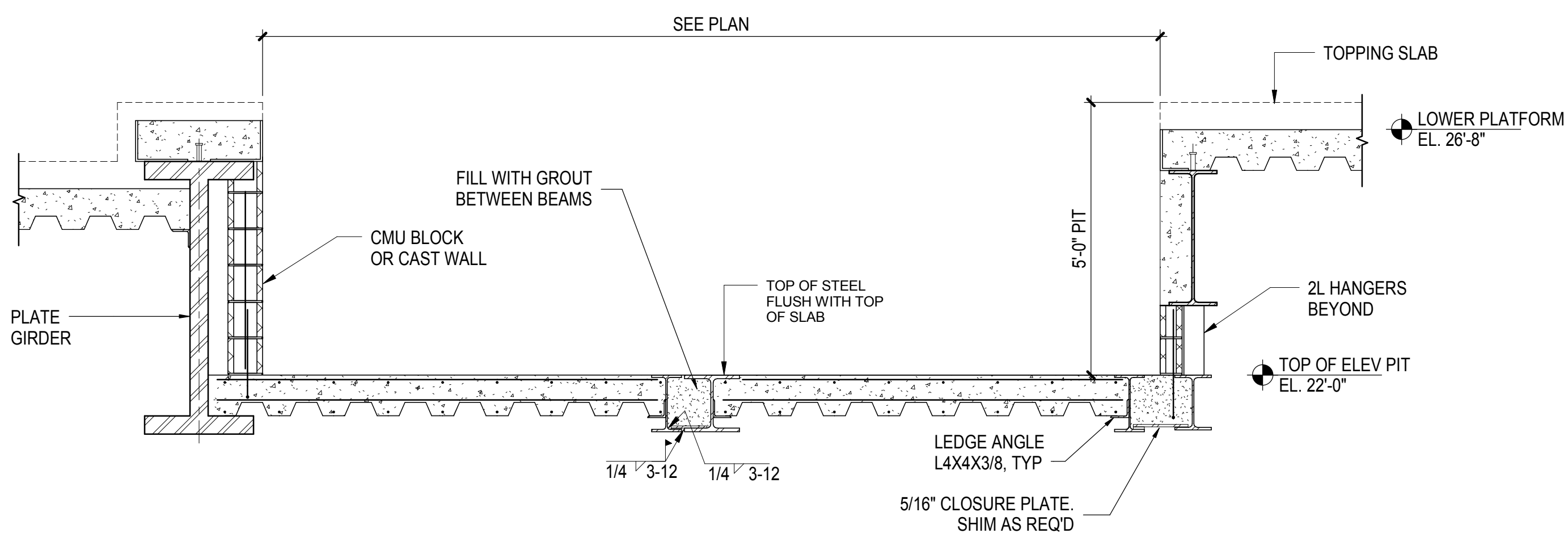


1 ELEVATOR PIT S-1 PART PLAN
1/2" = 1'-0"

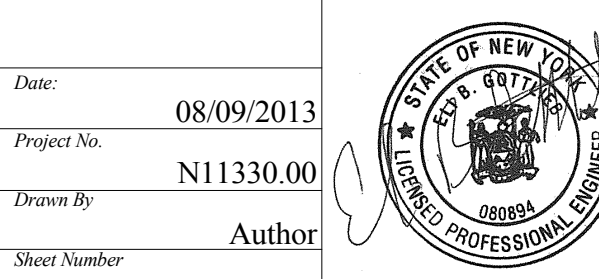
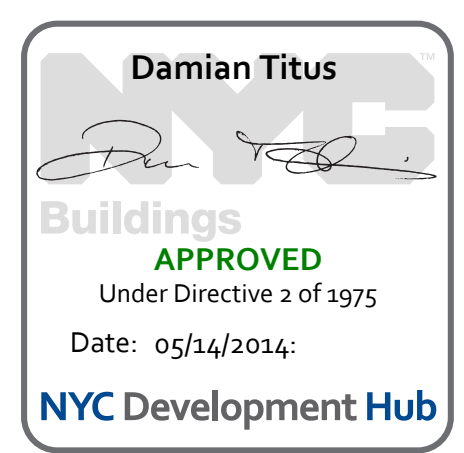


2 FREIGHT ELEVATOR PIT PART PLAN
1/2" = 1'-0"

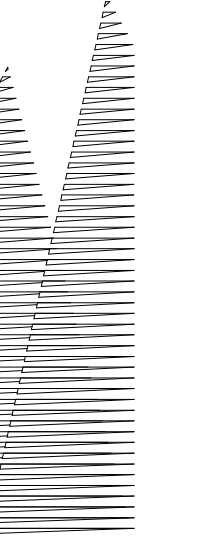
NOTE: TOP OF STEEL AT TOP OF SLAB.



3 SECTION AT ELEVATOR S-1
1/2" = 1'-0"



HYE - PL - S-651.00
ELEVATOR PIT
SECTIONS & DETAILS



Client
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60 Columbus Circle
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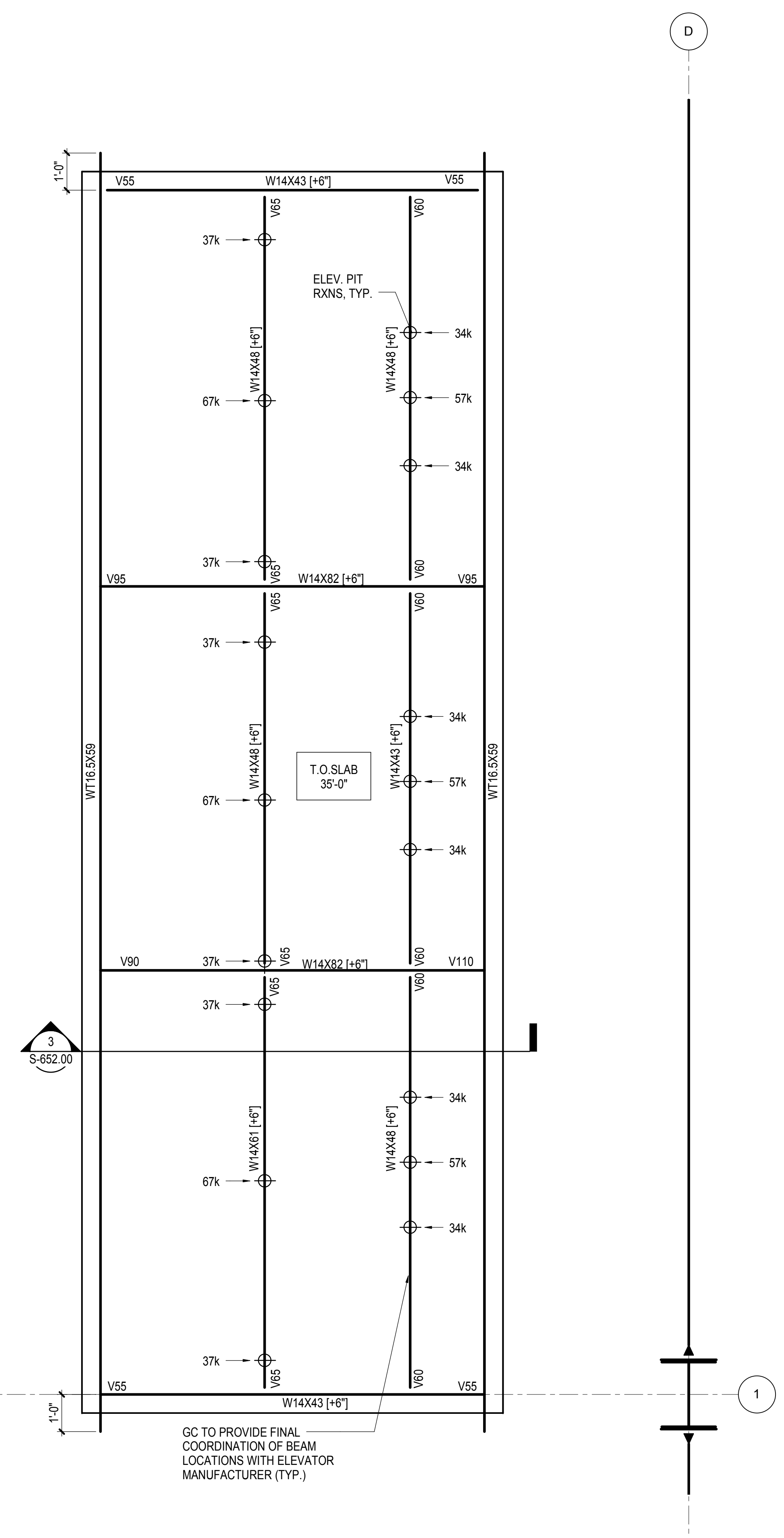
Civil, Mechanical, Electrical, Plumbing,
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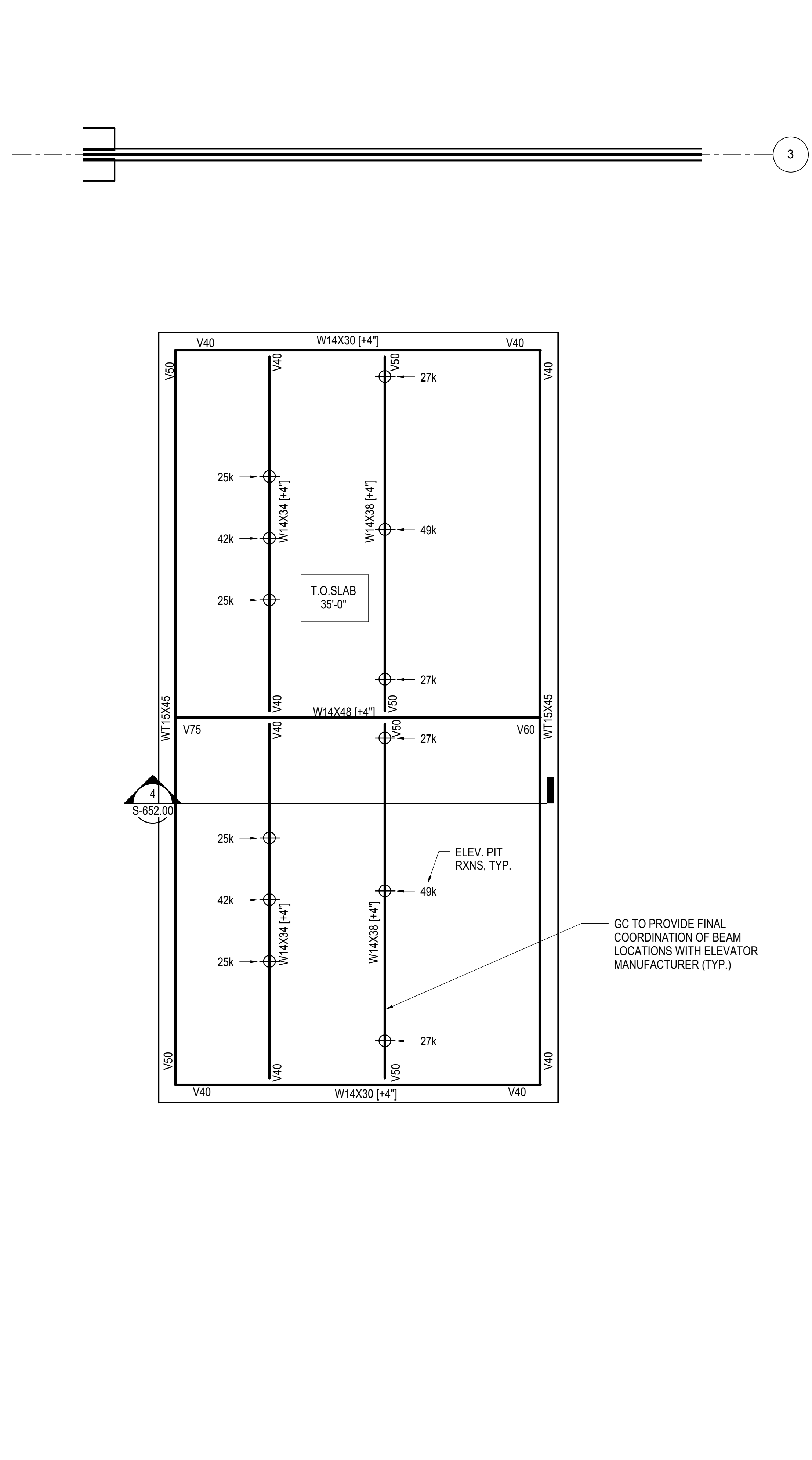
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|---------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
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| M&E - PLATFORM SUBMISSION | |
| DI-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DI-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| Rev | Description |

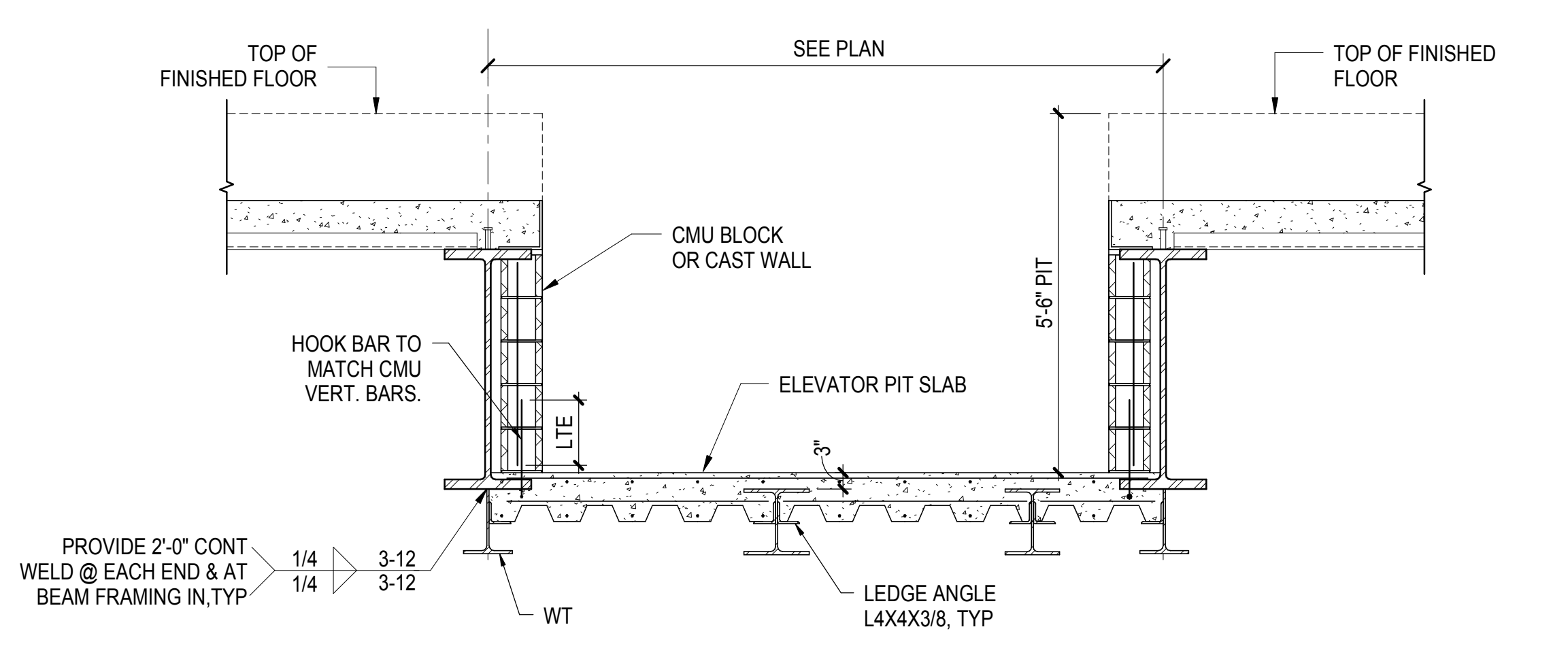
Rev. Plan



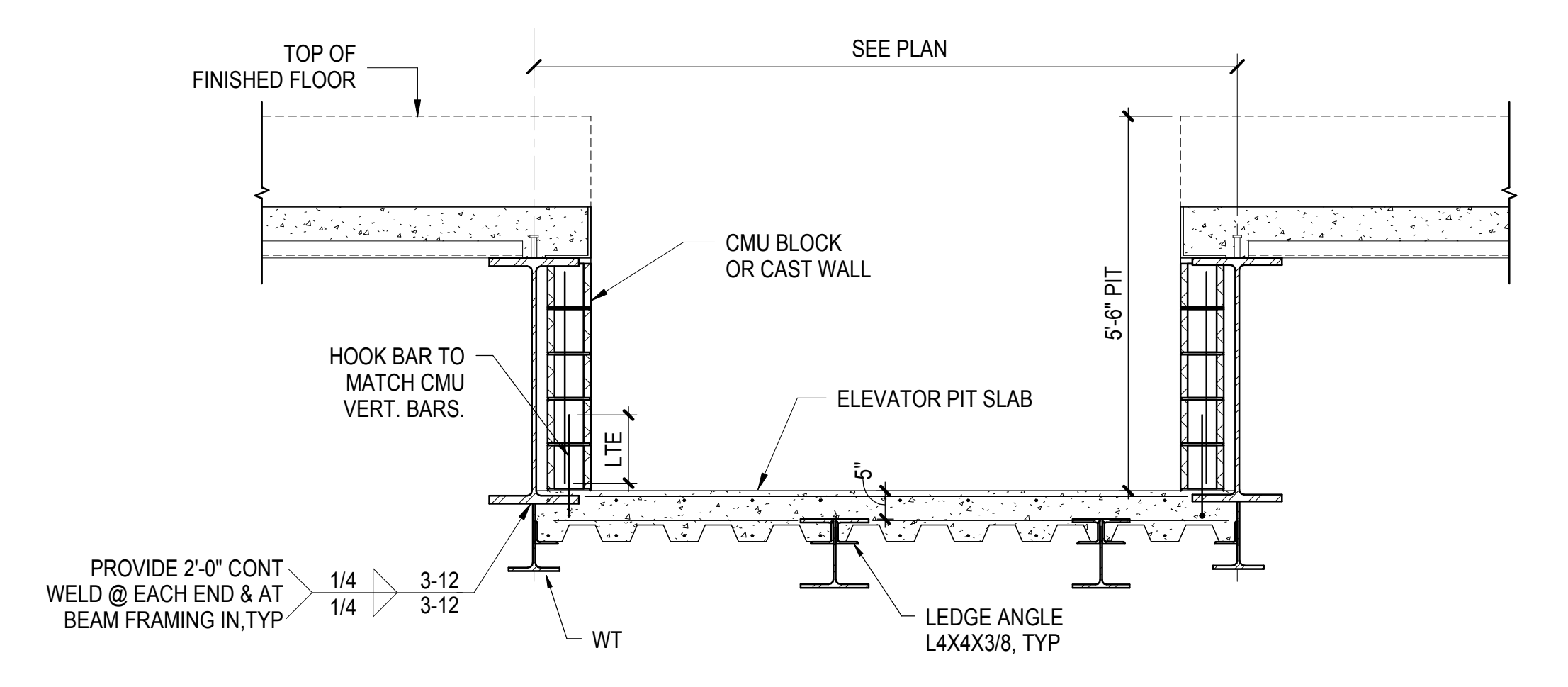
1 ELEVATOR PIT BETWEEN GRID 1-3/C-D
1/2" = 1'-0"



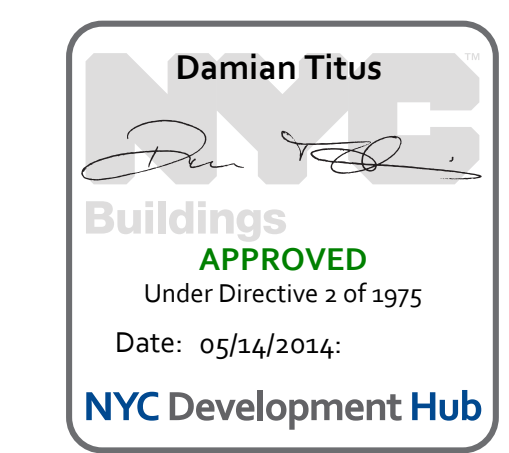
2 ELEVATOR PIT BETWEEN GRID 1-3/AA-A
1/2" = 1'-0"



3 SECTION AT ELEVATOR PIT BETWEEN GRID 1-3/C-D
1/2" = 1'-0"



4 ELEVATOR PIT BETWEEN GRID 1-3/AA-A
1/2" = 1'-0"



Date: 08/09/2013
Project No: N11330.00
Title: Author
Sheet Number:

HYE-PL-S-652.00
Drawing Title
**ELEVATOR PIT
SECTIONS & DETAILS**

| | |
|-------------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/29/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| L.I.R.R. - 60% - PHASE I FDNS | 3/29/2013 |
| L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| NYC Description | date |

BEAM VERTICAL SHEAR REACTION SCHEDULE

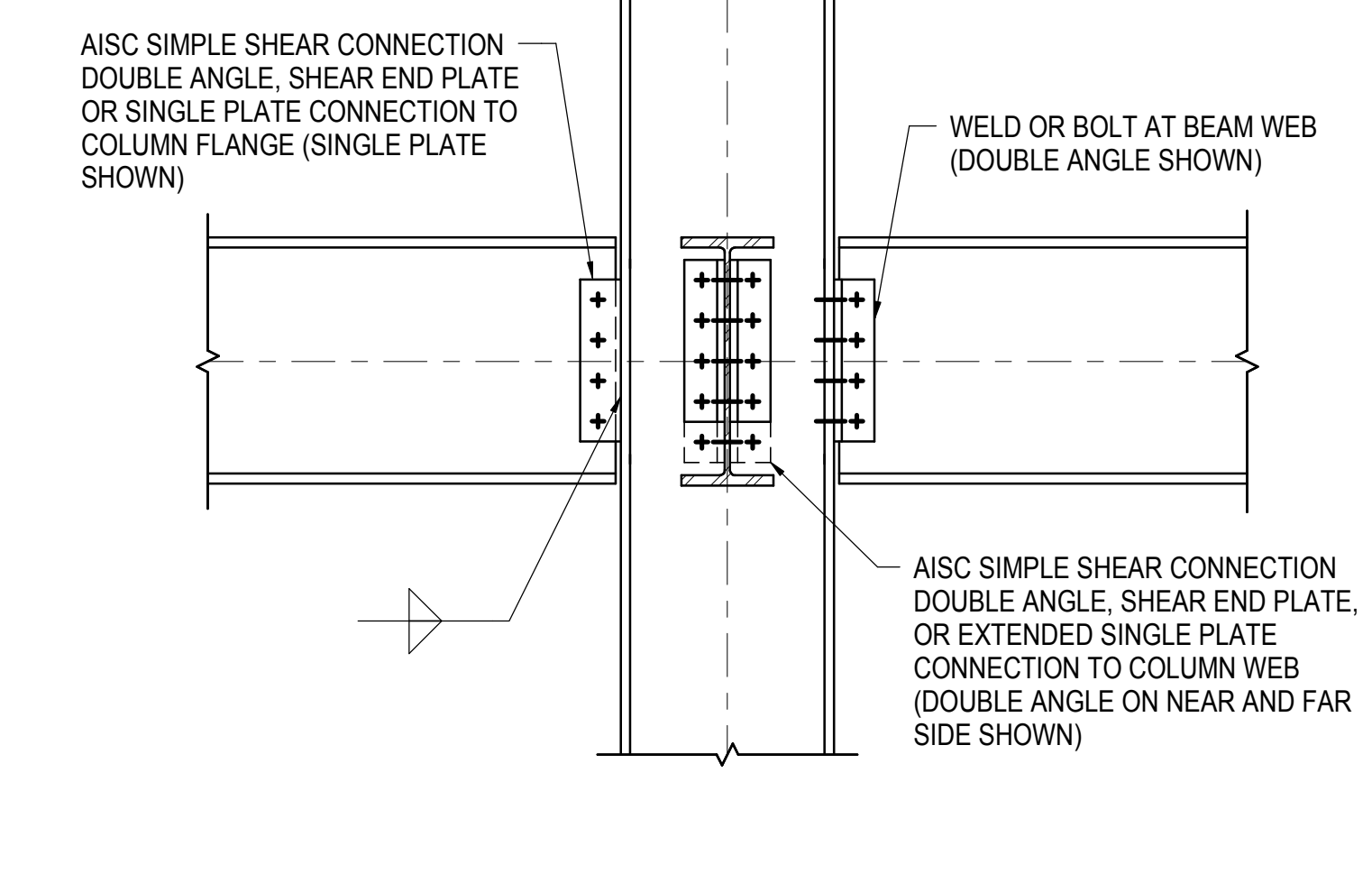
| NOMINAL STEEL BEAM SIZE | FACTORED REACTION (KIPS) | | |
|-------------------------|--------------------------|---------------------|-------------------|
| | A325 3/4" DIA BOLTS | A325 7/8" DIA BOLTS | A325 1" DIA BOLTS |
| W8 | 16 | 22 | 29 |
| W10 | 16 | 22 | 29 |
| W12 | 32 | 43 | 55 |
| W14 | 32 | 43 | 55 |
| W16 | 49 | 66 | 73 |
| W18 | 66 | 90 | 91 |
| W21 | 83 | 111 | 110 |
| W24 | 100 | 129 | 128 |
| W27 | 100 | 129 | 128 |
| W30 | 116 | 147 | 146 |
| W33 | 116 | 147 | 146 |
| W36 | 133 | 166 | 165 |

BEAM END MOMENT SCHEDULE

| NOMINAL STEEL BEAM SIZE | FACTORED MOMENT (KIP - FEET) |
|-------------------------|------------------------------|
| W8 | X |
| W10 | X |
| W12 | X |
| W14 | X |
| W16 | X |
| W18 | X |
| W21 | X |
| W24 | X |
| W27 | X |
| W30 | X |
| W33 | X |
| W36 | X |

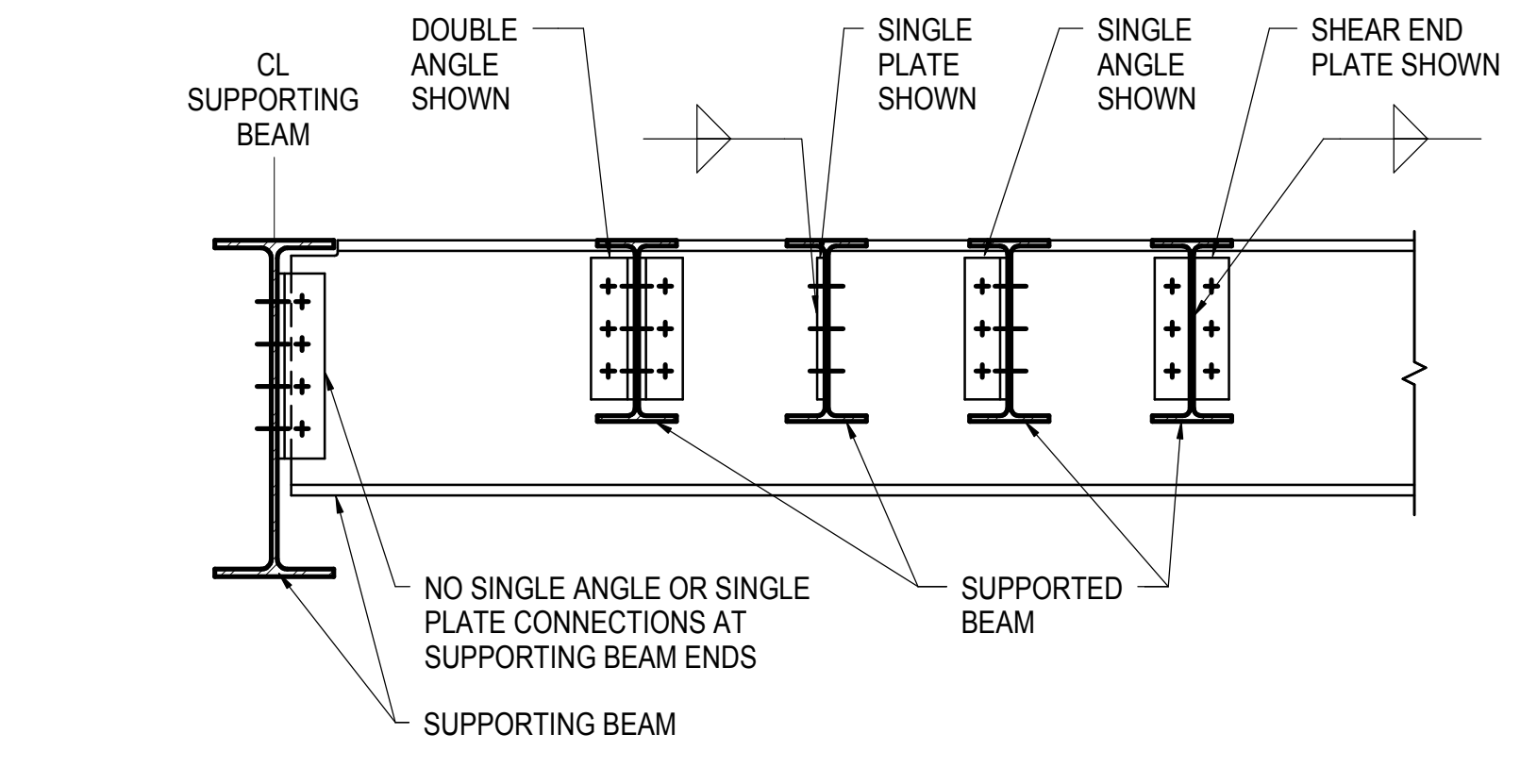
NOTE:
1. MOMENT APPLIES WHERE MOMENT SYMBOL APPEARS ON PLAN

1 TYPICAL BEAM CONNECTION SCHEDULE
NOT TO SCALE



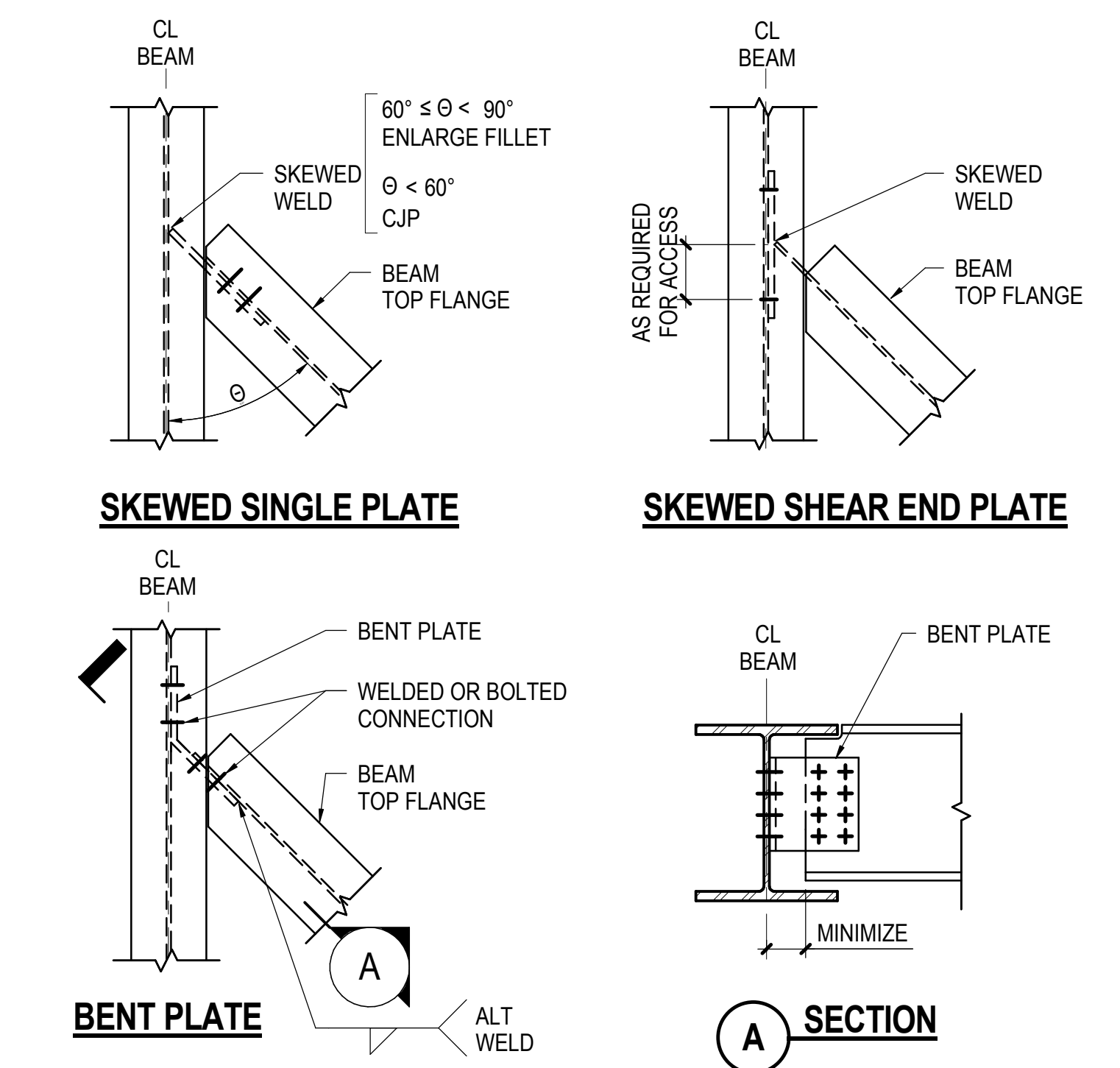
NOTE:
1. WHERE BEAM AXIAL FORCE IS INDICATED BY PLAN OR NOTES, SINGLE PLATE, DOUBLE ANGLE, OR SHEAR END PLATE CONNECTION SHALL BE USED

2 TYPICAL BEAM TO COLUMN SHEAR CONNECTION
3/4" = 1'-0"

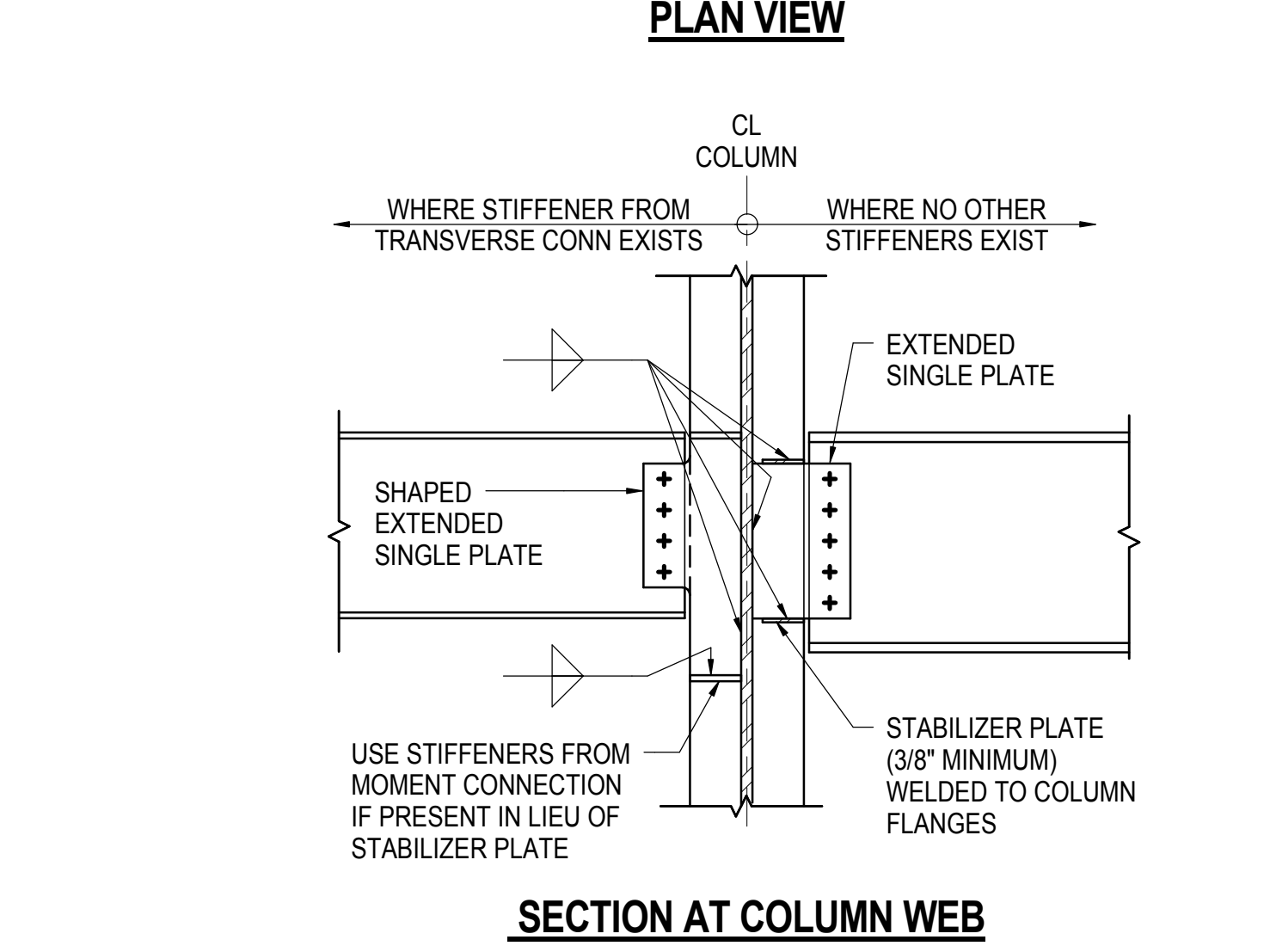


NOTES:
1. SUPPORTED BEAMS PRIMARILY SUPPORT DISTRIBUTED LOADS FROM SLABS OR DECKING
2. SUPPORTING BEAMS SUPPORT SIGNIFICANT POINT LOADS FROM ONE OR MORE SUPPORTED BEAMS OR FROM COLUMNS BEING TRANSFERRED. SUPPORTING BEAMS MAY BE SUPPORTED BY COLUMNS OR BY OTHER SUPPORTING BEAMS
3. FOR AISC SIMPLE SHEAR CONNECTIONS AT SUPPORTED BEAM ENDS, DOUBLE ANGLE, SINGLE ANGLE, OR SHEAR END PLATE MAY BE USED UN
4. WELDED/BOLTED OR BOLTED/BOLTED CONNECTIONS PER AISC ARE PERMITTED

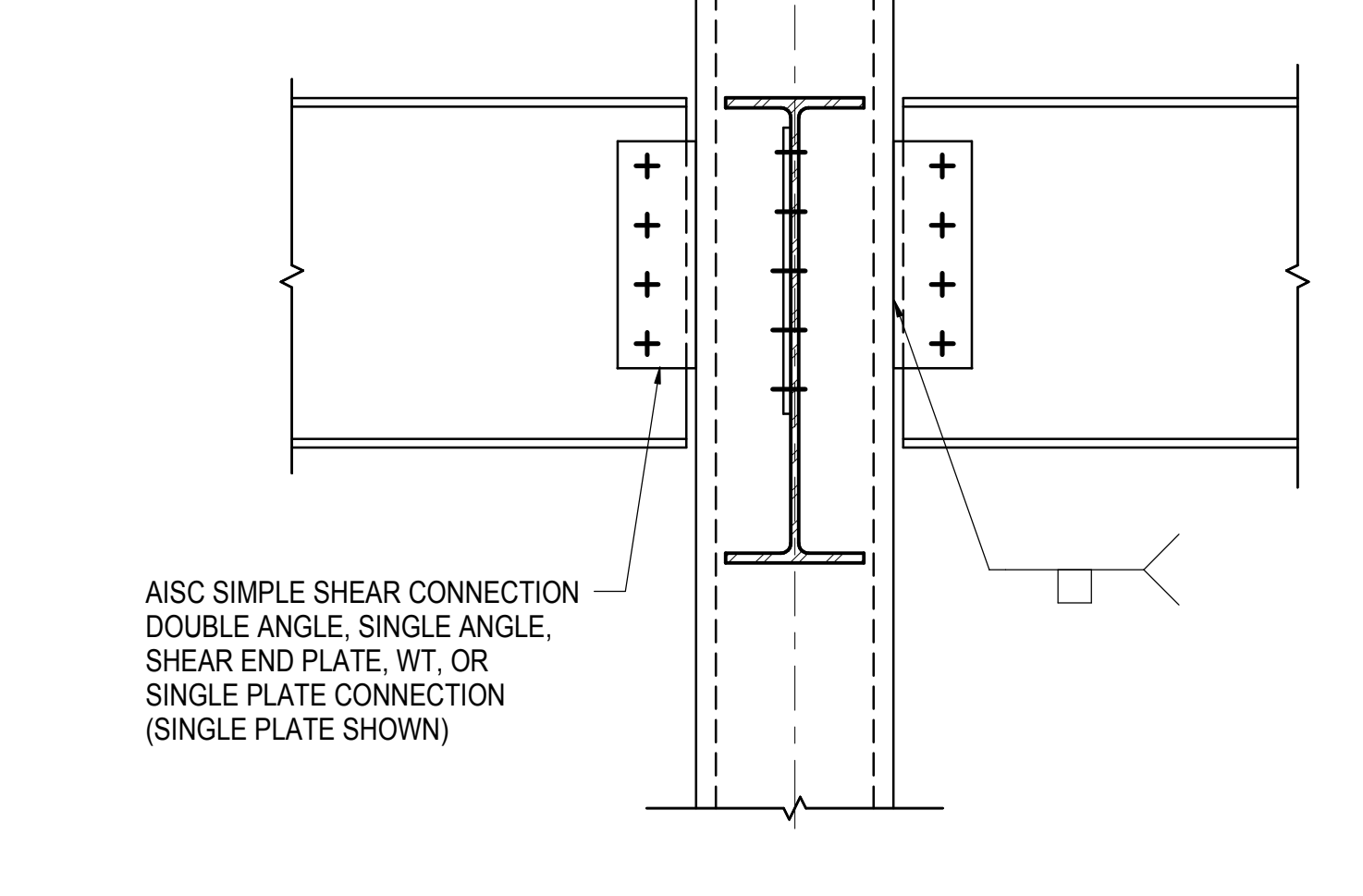
5 TYPICAL BEAM TO BEAM SHEAR CONNECTION (4 TYPES)
NOT TO SCALE



6 TYPICAL SKEWED BEAM SHEAR CONNECTION
NOT TO SCALE

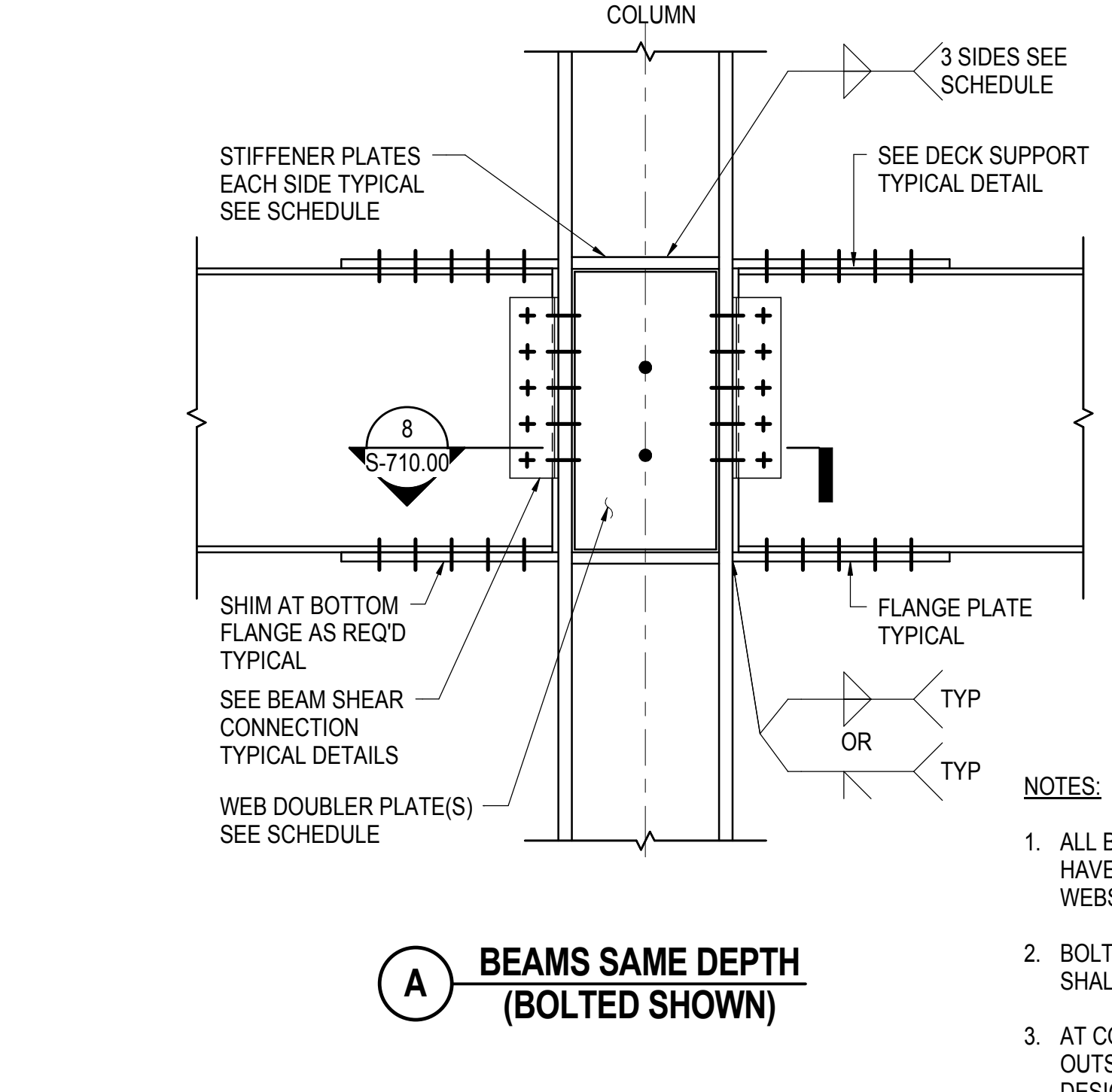


3 TYPICAL EXTENDED PLATE BEAM TO COLUMN WEB SHEAR CONNECTION
NOT TO SCALE

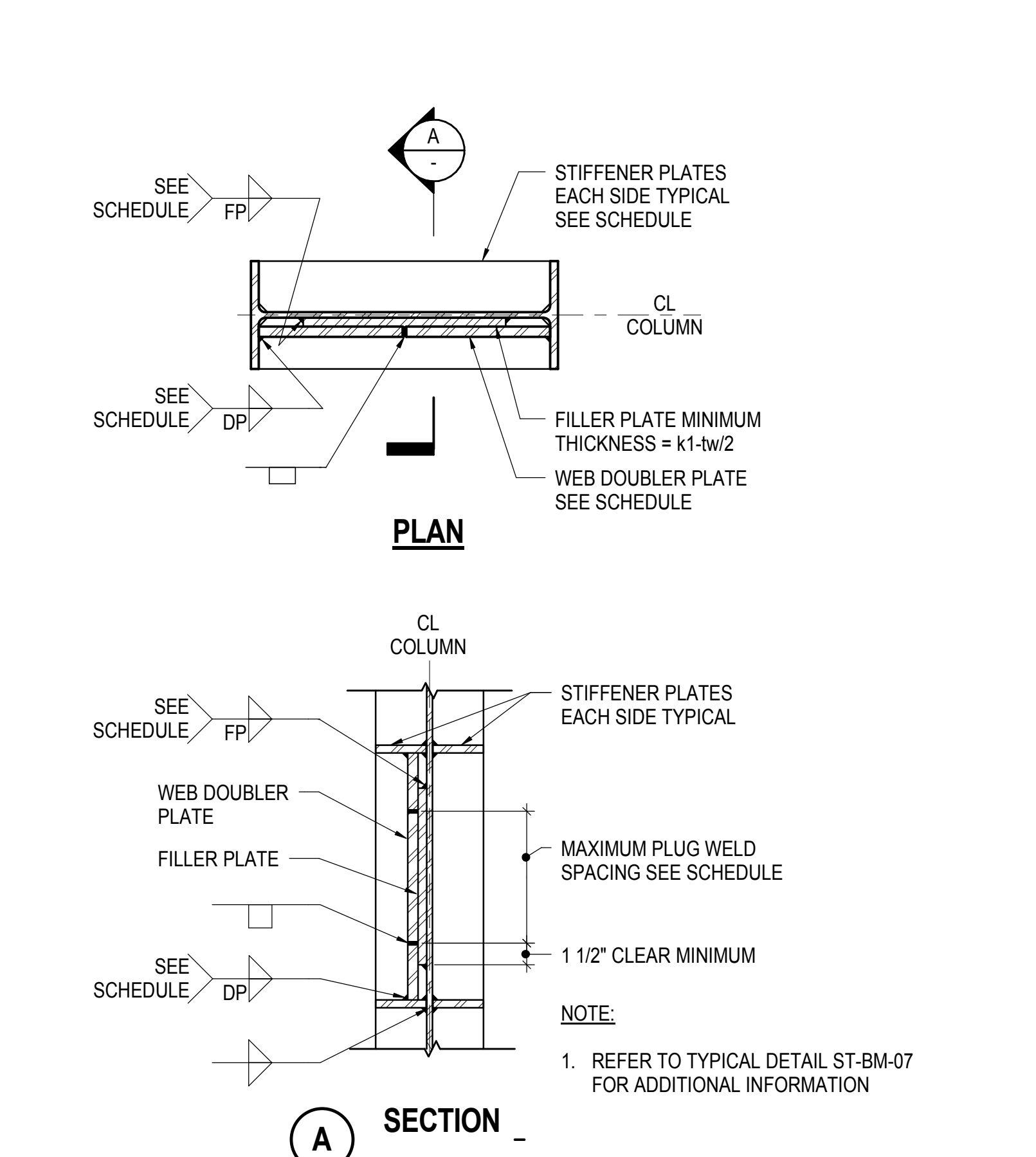


NOTE:
1. CONTRACTOR'S CALCULATIONS SHALL VERIFY HSS/PIPE WALL THICKNESS IS ADEQUATE FOR CONNECTION TYPE CHOSEN PER AISC

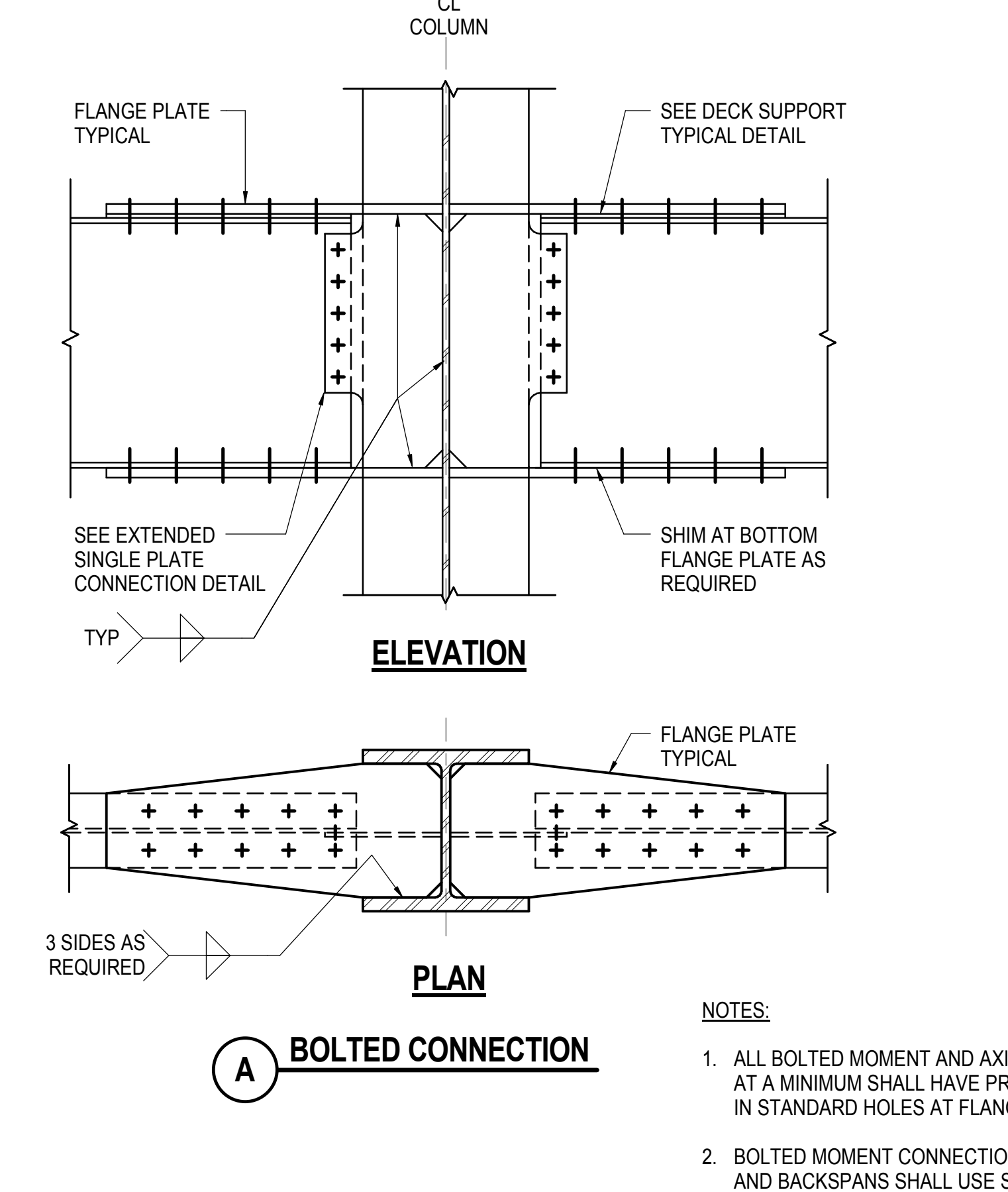
4 TYPICAL BEAM TO HSS/PIPE COLUMN SHEAR CONNECTION
NOT TO SCALE



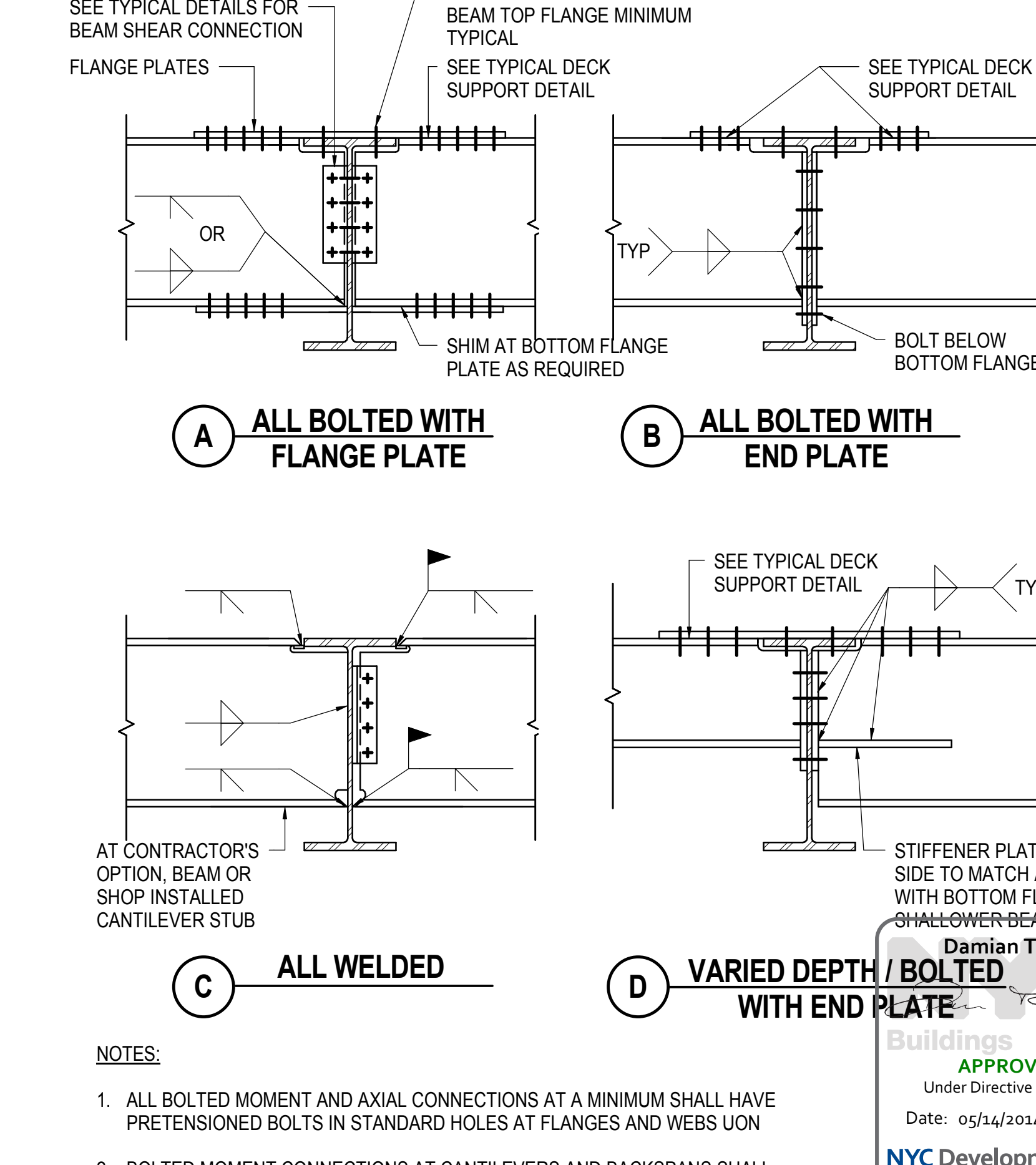
7 TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION - BOLTED/WELDED
NOT TO SCALE



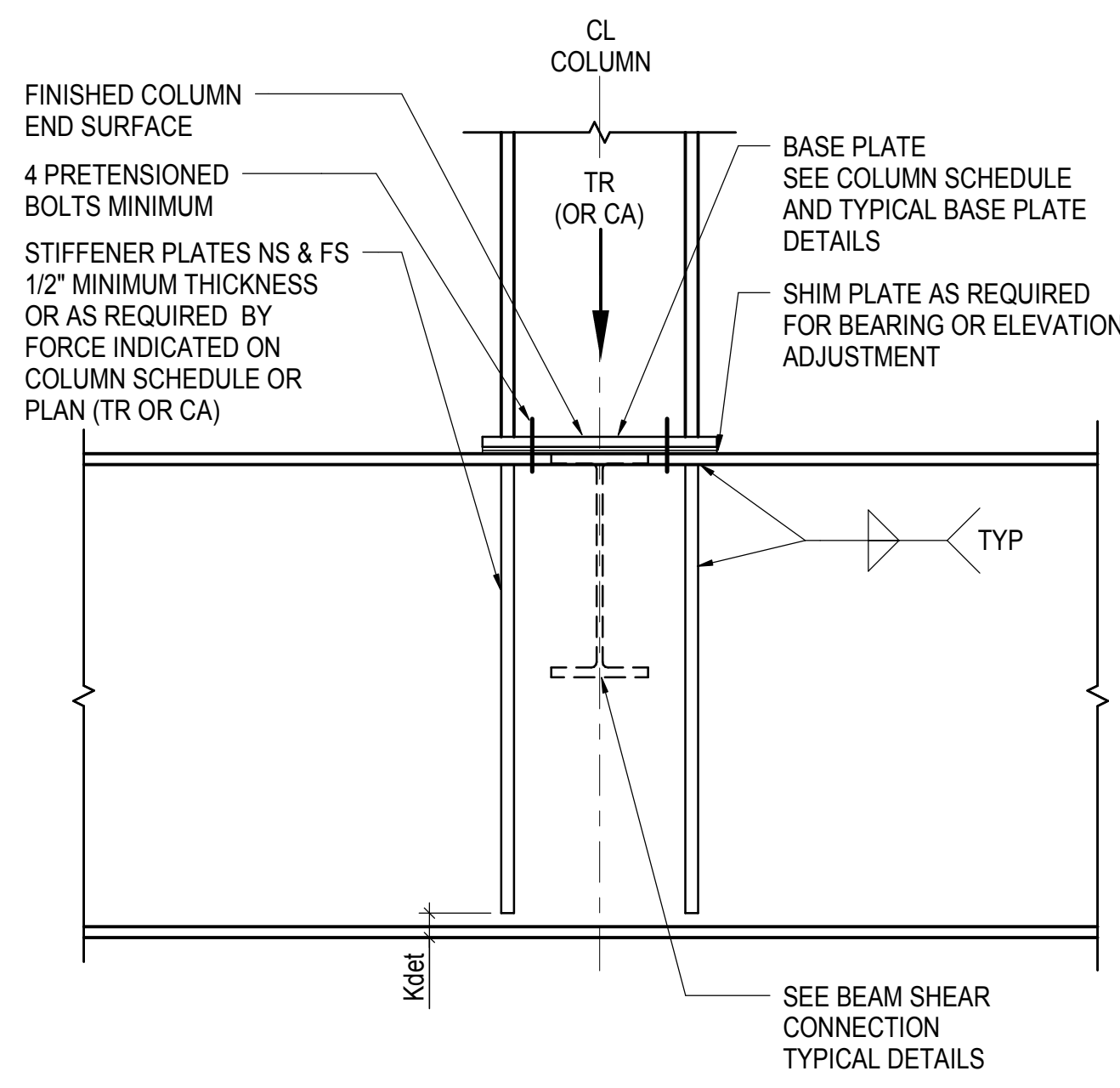
8 TYPICAL WEB DOUBLER PLATE CONNECTION
NOT TO SCALE



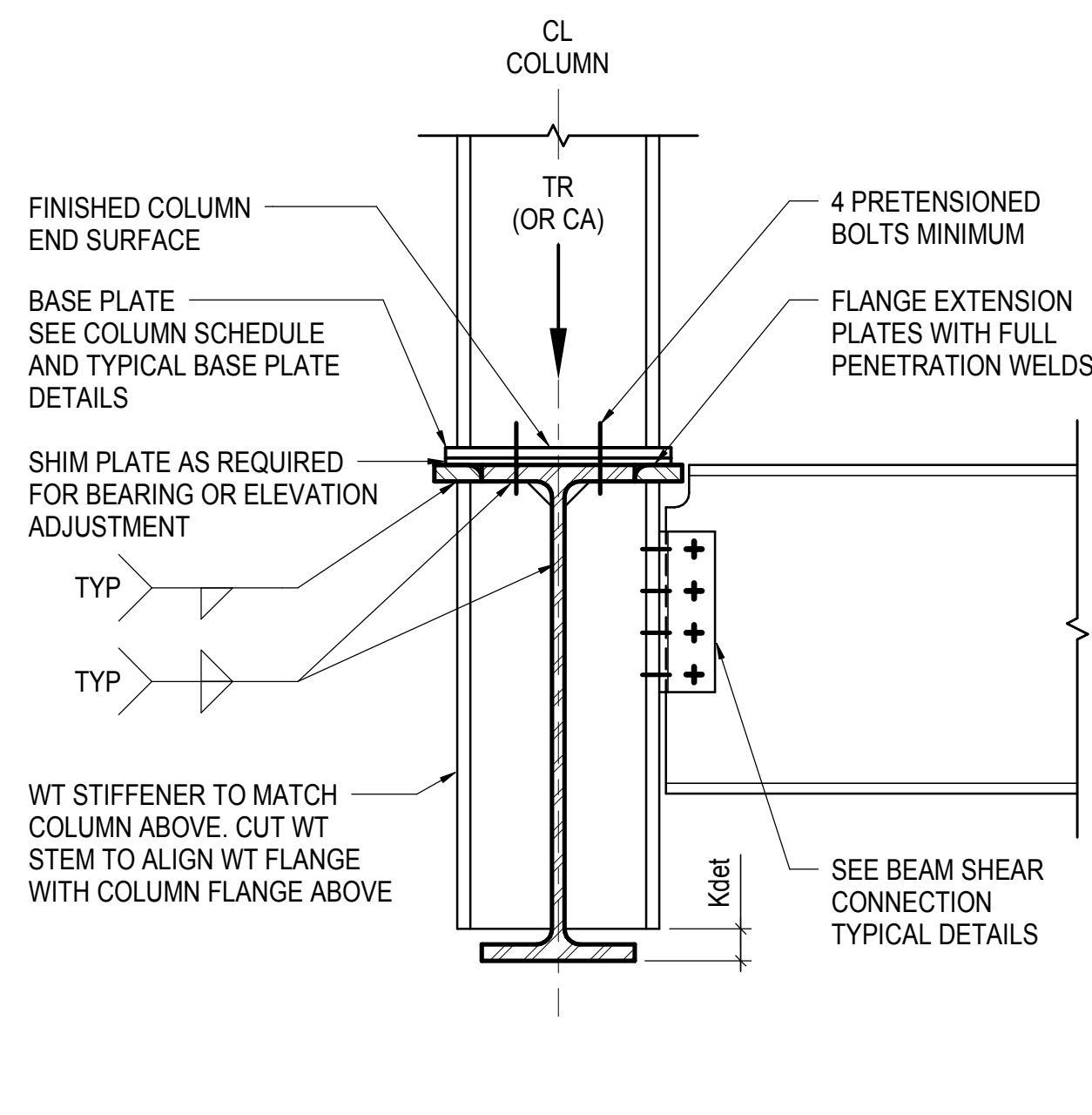
9 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION - BOLTED / WELDED
NOT TO SCALE



10 TYPICAL BEAM TO BEAM MOMENT CONNECTION
NOT TO SCALE

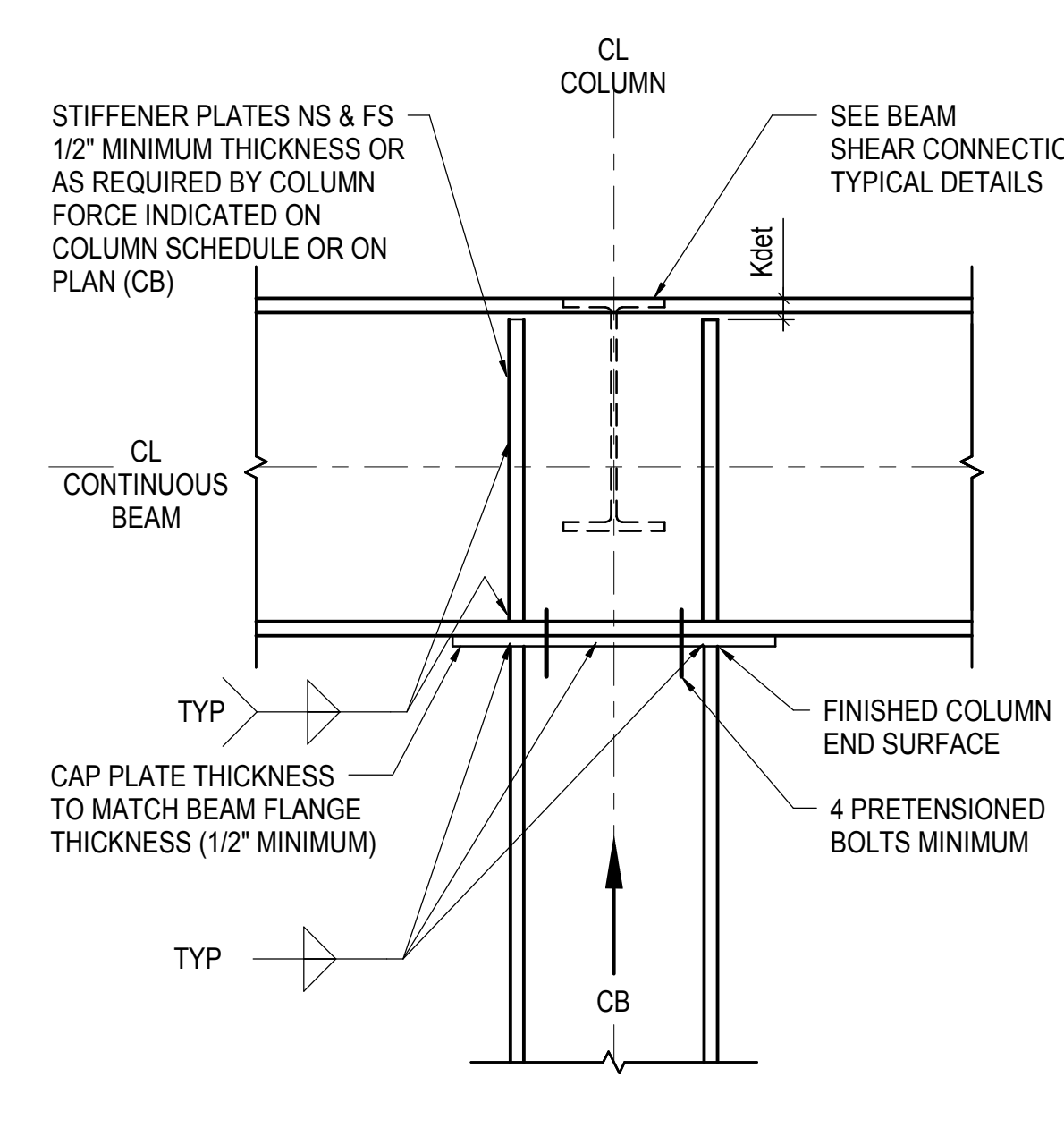


A COLUMN WEB PARALLEL TO BEAM WEB

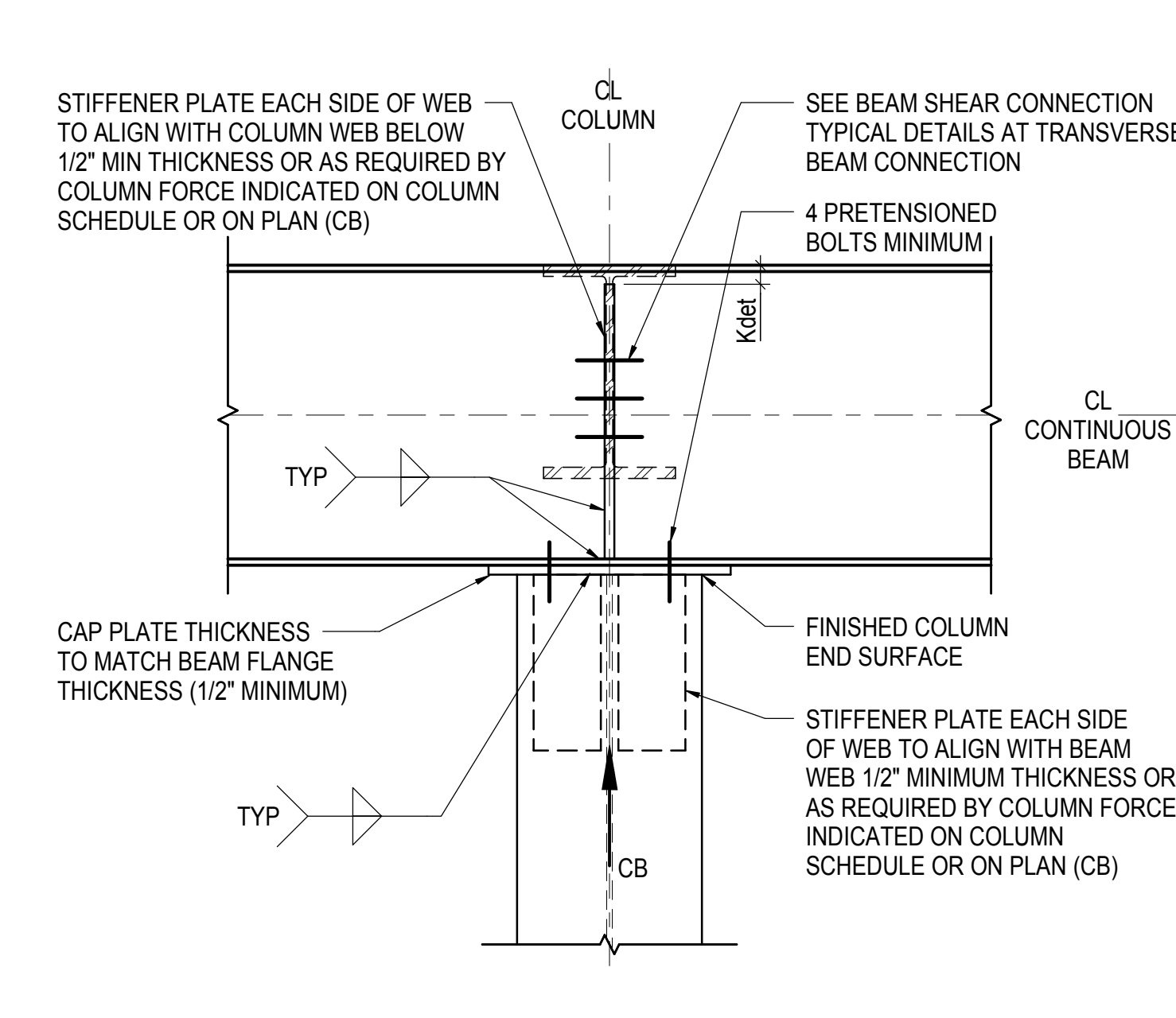


B COLUMN WEB PERPENDICULAR TO BEAM WEB

1 TYPICAL COLUMN BEARING ON BEAM (COMPRESSION ONLY)
NOT TO SCALE

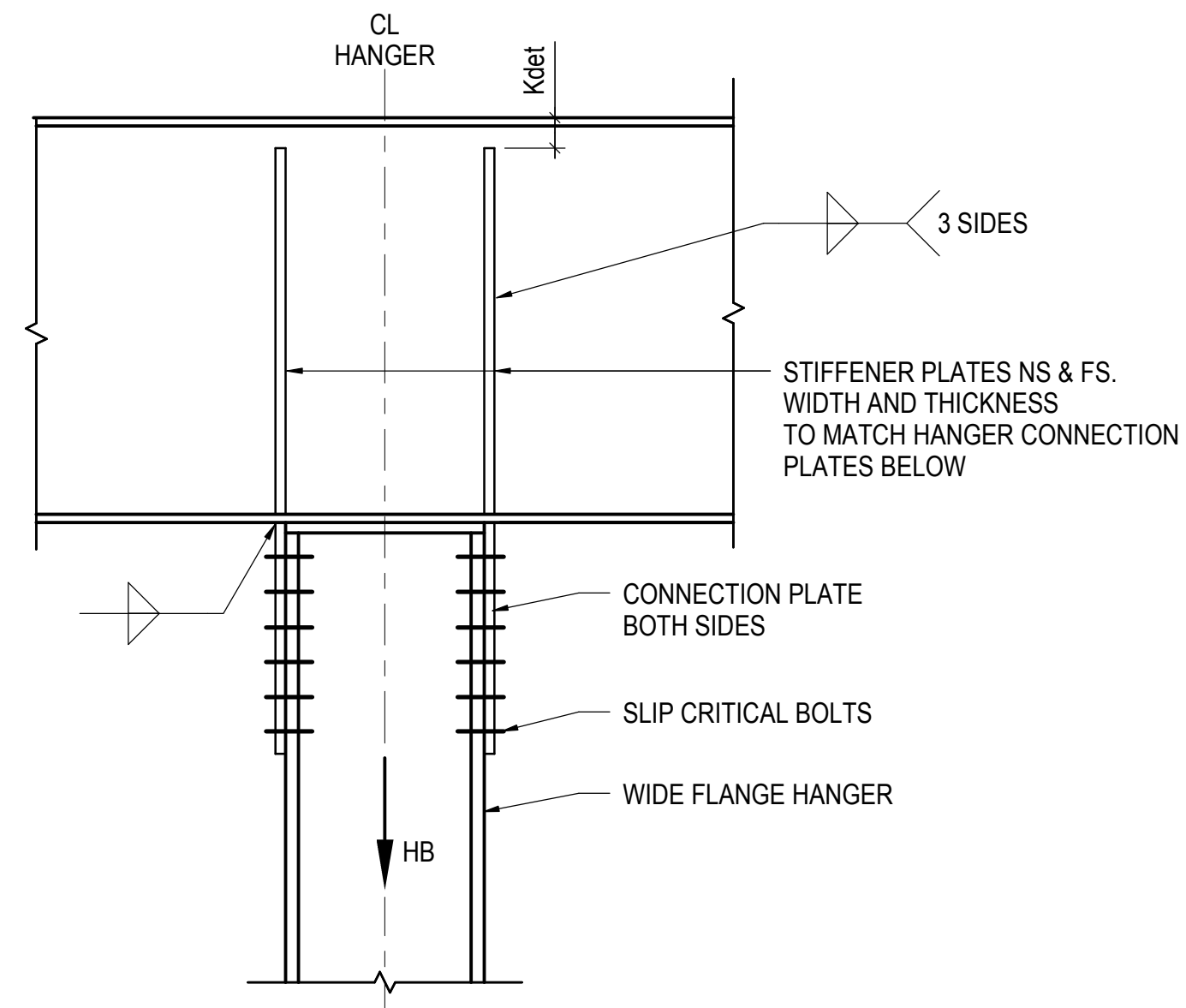


A COLUMN WEB PARALLEL TO BEAM WEB

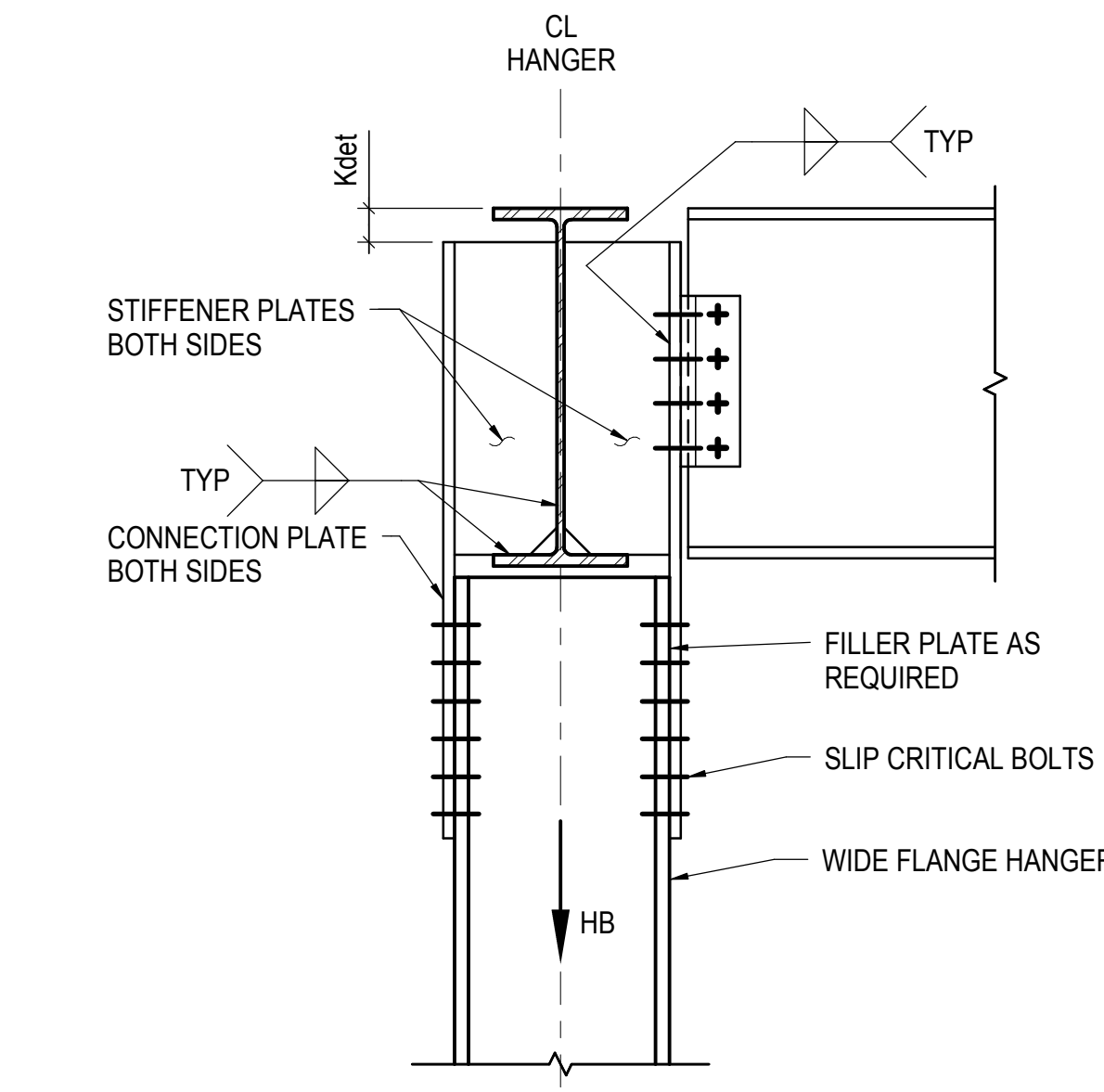


B COLUMN WEB PERPENDICULAR TO BEAM WEB

2 TYPICAL BEAM BEARING ON COLUMN (AXIAL ONLY)
NOT TO SCALE



A HANGER WEB PARALLEL TO BEAM WEB

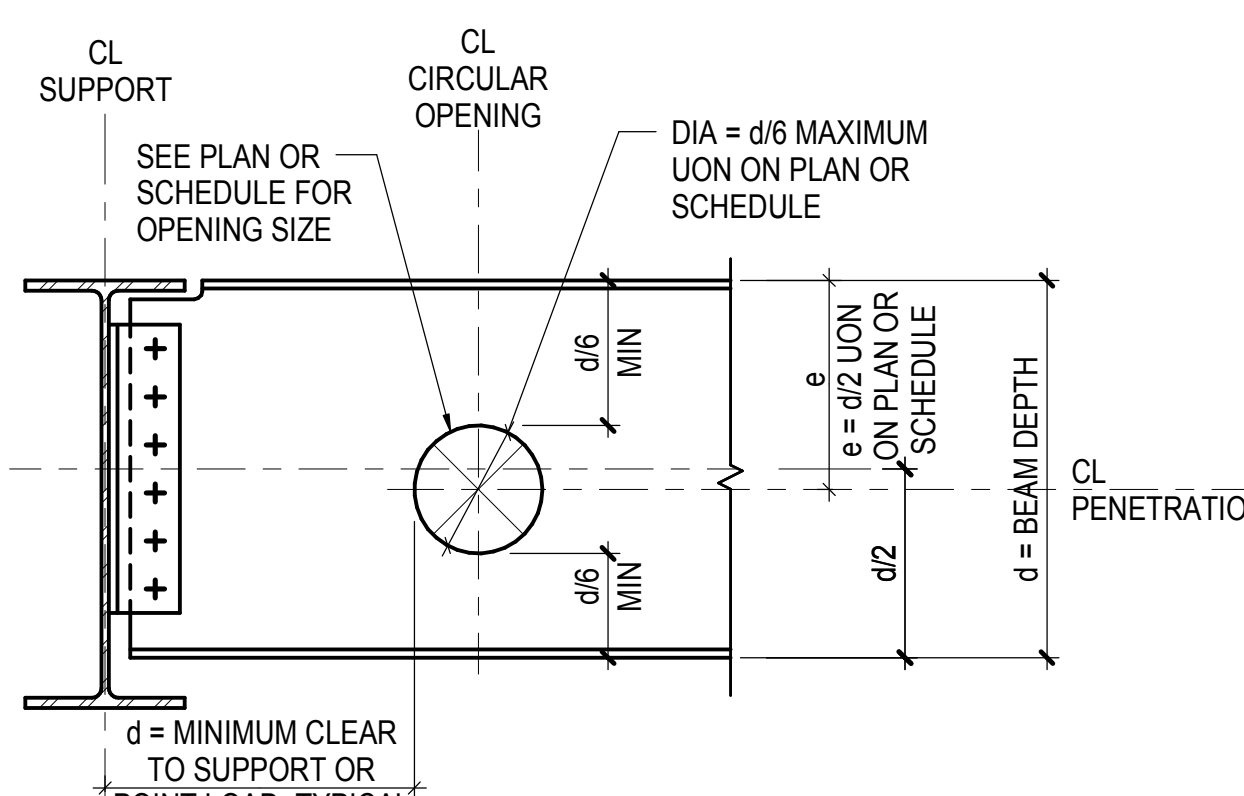


B HANGER WEB PERPENDICULAR TO BEAM WEB

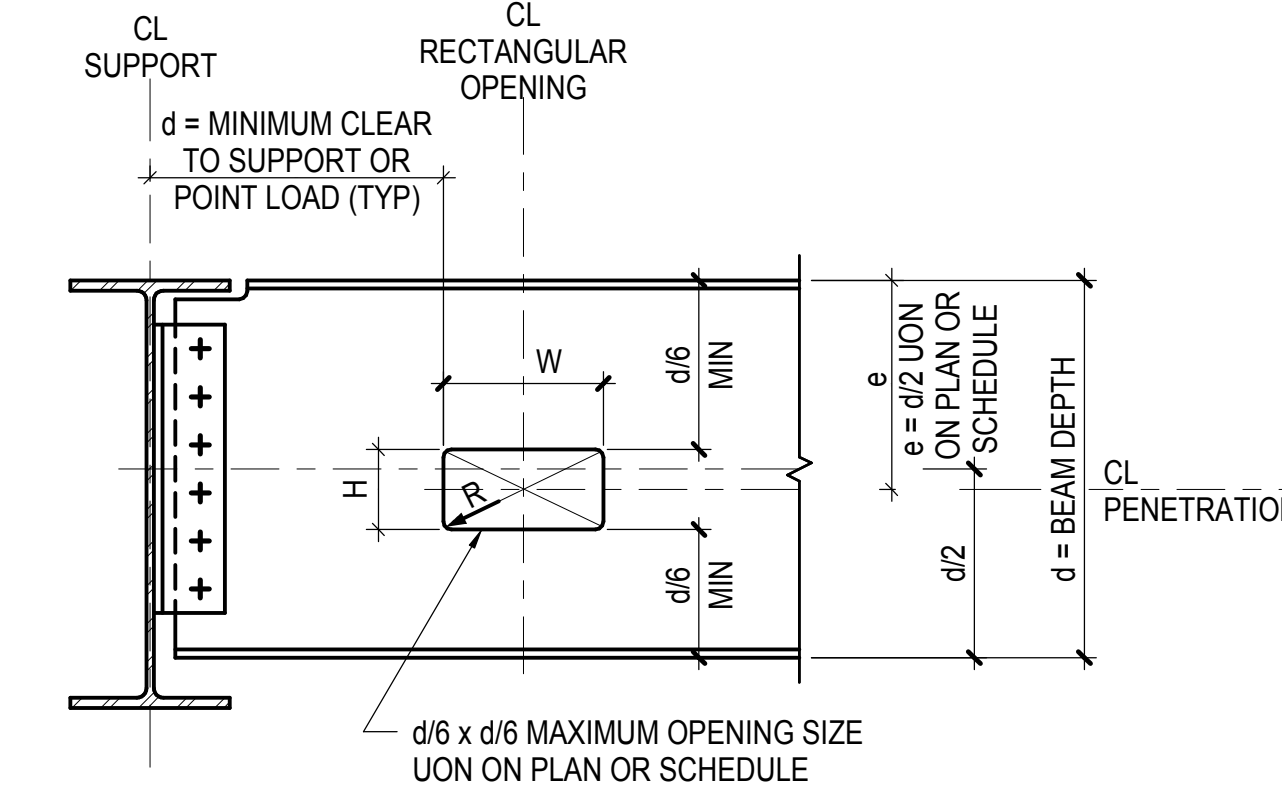
NOTE:

- DEVELOP THE HANGER TENSION FORCE (HB) AS INDICATED ON COLUMN SCHEDULE OR FRAMING PLANS. IF HANGER FORCE (HB) IS NOT SHOWN, DESIGN FOR 90% OF TENSION CAPACITY OF HANGER.

3 TYPICAL HANGER (AXIAL ONLY)
NOT TO SCALE



A CIRCULAR PENETRATION

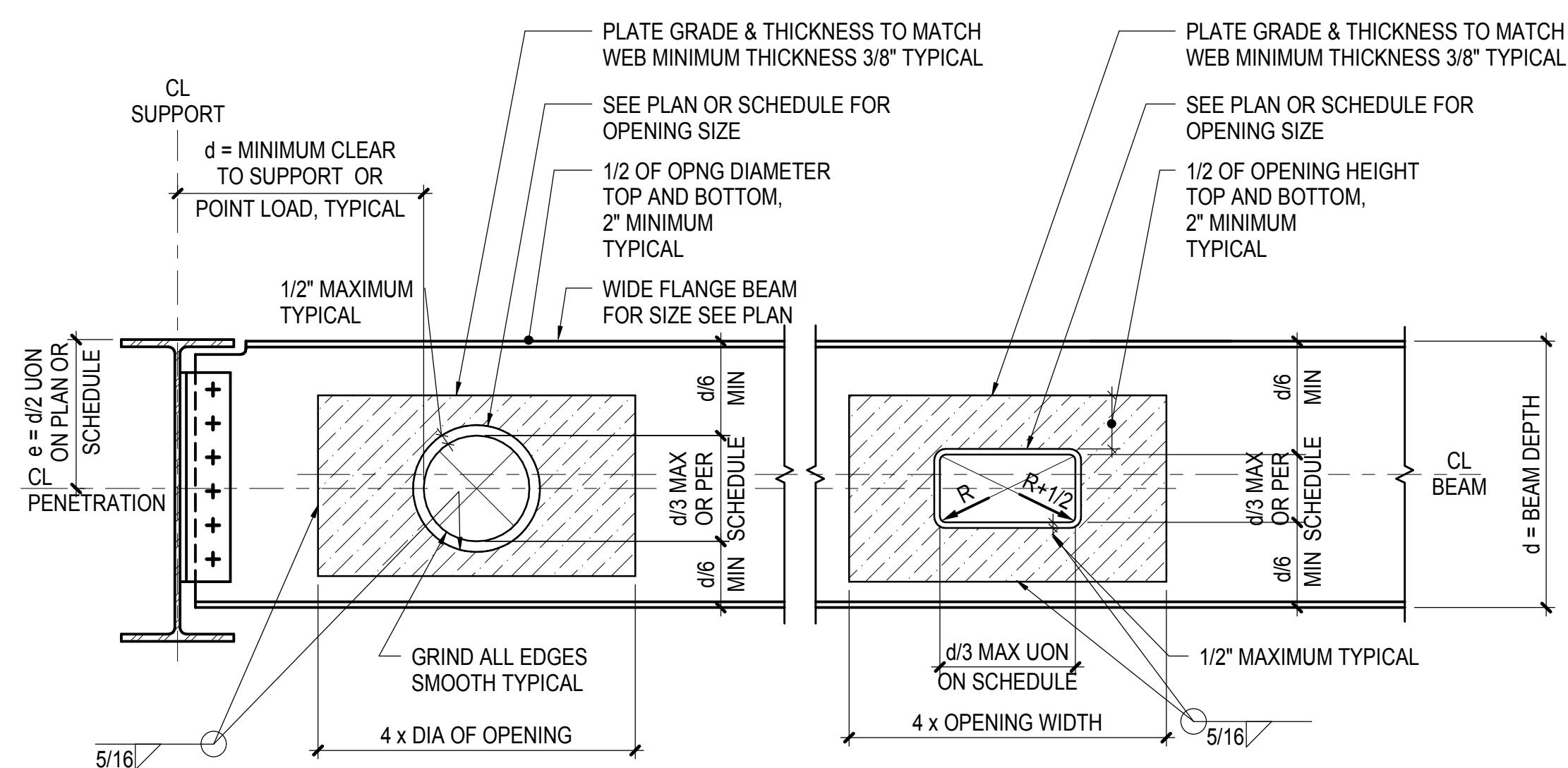


B RECTANGULAR PENETRATION

NOTES:

- PROVIDE REINFORCEMENT AS NOTED FOR OPENING TYPE. SEE FRAMING PLANS FOR OPENING TYPE.
- SEE STRUCTURAL DRAWINGS FOR PENETRATIONS. CONTRACTOR SHALL VERIFY QUANTITY, SIZE, AND LOCATION OF ALL PENETRATIONS WITH MEP DRAWINGS.
- ALL BEAM PENETRATIONS SHALL BE SHOWN ON THE SHOP DRAWINGS FOR REVIEW BY THE ARCHITECT/ENGINEER. NO PENETRATIONS SHALL BE MADE WITHOUT PRIOR REVIEW BY THE ARCHITECT AND WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- R(MINIMUM) = 2 x WEB THICKNESS OR 5/8", WHICHEVER IS GREATER.

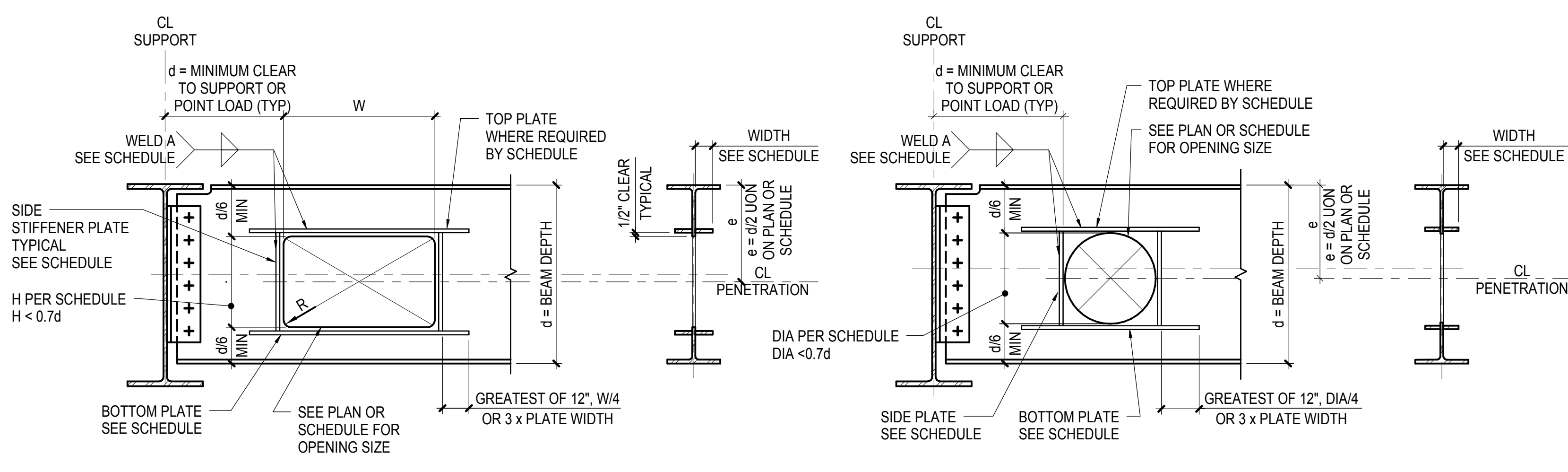
4 BEAM WEB PENETRATION TYPE U (UNREINFORCED)
NOT TO SCALE



NOTES:

- PROVIDE REINFORCEMENT AS NOTED FOR OPENING TYPE. SEE FRAMING PLANS FOR OPENING TYPE.
- SEE STRUCTURAL DRAWINGS FOR PENETRATIONS. CONTRACTOR SHALL VERIFY QUANTITY, SIZE, AND LOCATION OF ALL PENETRATIONS WITH MEP DRAWINGS.
- ALL BEAM PENETRATIONS SHALL BE SHOWN ON THE SHOP DRAWINGS FOR REVIEW BY THE DESIGN PROFESSIONALS. NO PENETRATIONS SHALL BE MADE WITHOUT PRIOR REVIEW BY THE ARCHITECT AND WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- R(MINIMUM) = 2 x WEB THICKNESS OR 5/8", WHICHEVER IS GREATER.
R = RADIUS OF OPENING
R-1/2 = RADIUS OF REINFORCEMENT PLATE

5 BEAM WEB PENETRATIONS TYPE D (WEB DOUBLER PLATE REINFORCEMENT)
NOT TO SCALE



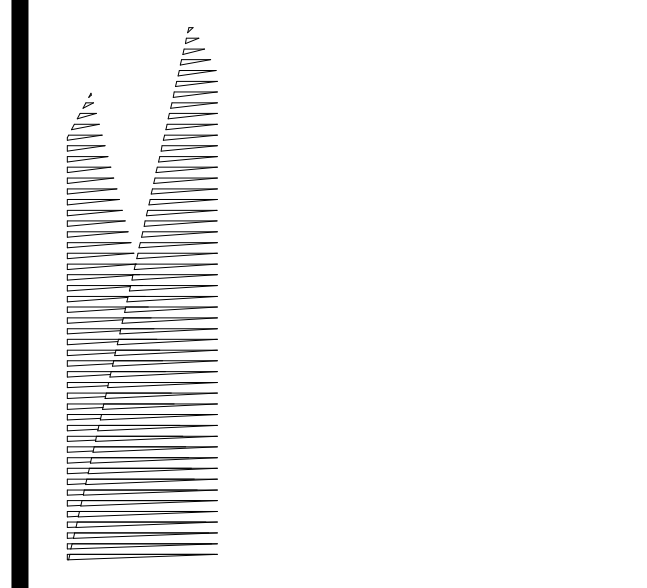
A RECTANGULAR PENETRATION

B CIRCULAR PENETRATION

NOTES:

- PROVIDE REINFORCEMENT AS NOTED FOR OPENING TYPE. SEE FRAMING PLANS FOR OPENING TYPE.
- SEE STRUCTURAL DRAWINGS FOR PENETRATIONS. CONTRACTOR SHALL VERIFY QUANTITY, SIZE, AND LOCATION OF ALL PENETRATIONS WITH MEP DRAWINGS.
- ALL BEAM PENETRATIONS SHALL BE SHOWN ON THE SHOP DRAWINGS FOR REVIEW BY THE ARCHITECT/ENGINEER. NO PENETRATIONS SHALL BE MADE WITHOUT PRIOR REVIEW BY THE ARCHITECT AND WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- R(MINIMUM) = 2 x WEB THICKNESS OR 5/8", WHICHEVER IS GREATER.

6 BEAM WEB PENETRATIONS TYPE S (STIFFENER REINFORCEMENT)
NOT TO SCALE



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| | |
|-----------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
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| M&T PLATFORM SUBMISSION | |
| Δ D1-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D1-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC Description | Site |

Rev. Plot

Date: 12/14/2012
Project No: N11330.00
Title: Author
Sheet Number: Auto

Damian Titus
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

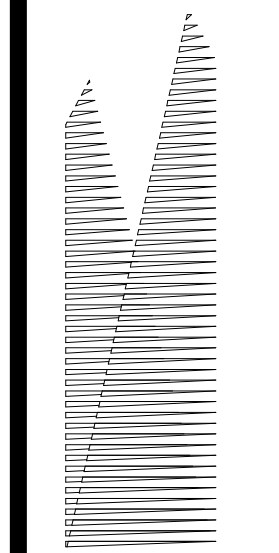
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Drawing Title
TYPICAL STEEL BEAM DETAILS II

Drawing Number / B/S/C/S Drawing Number
S-711.00

SHEET 173 OF 201

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S-711.00
11/22/2013 1:15:16 PM
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Related Companies
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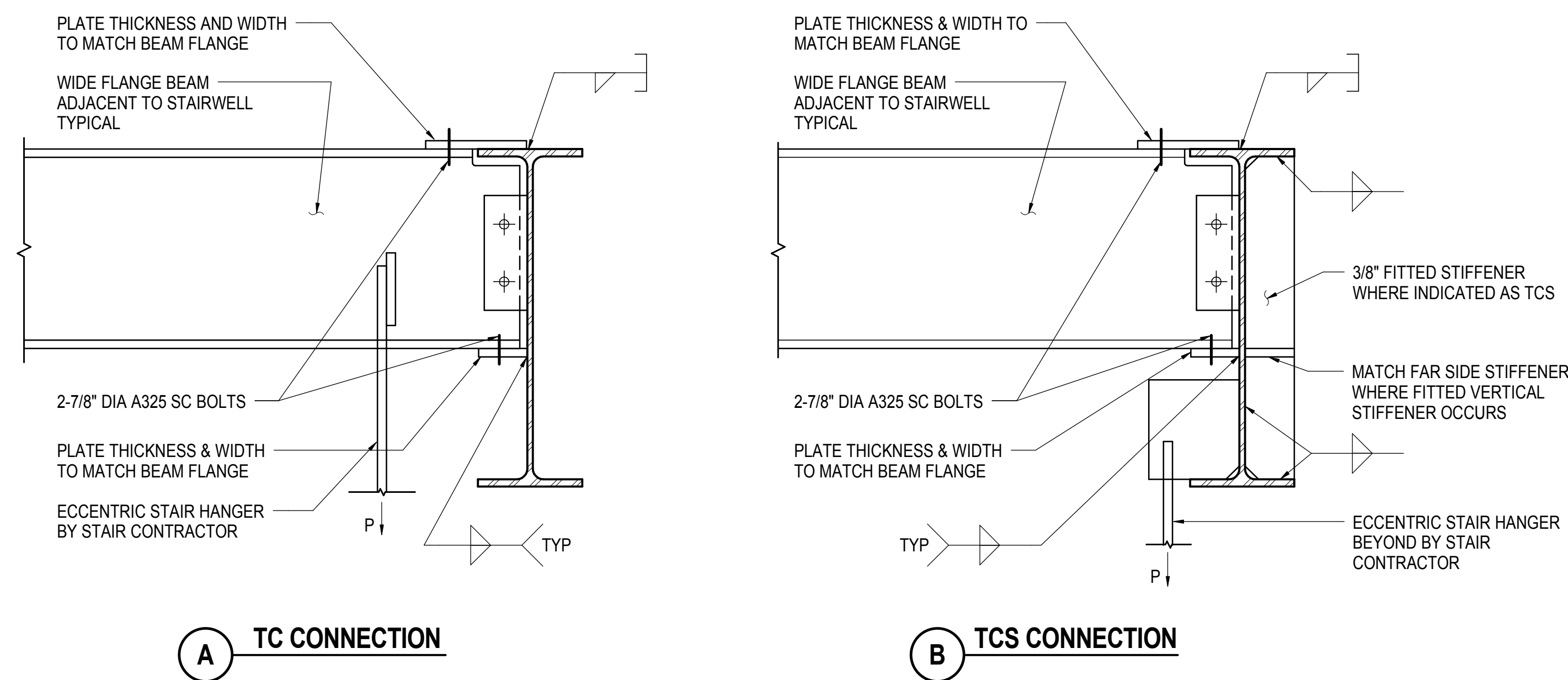
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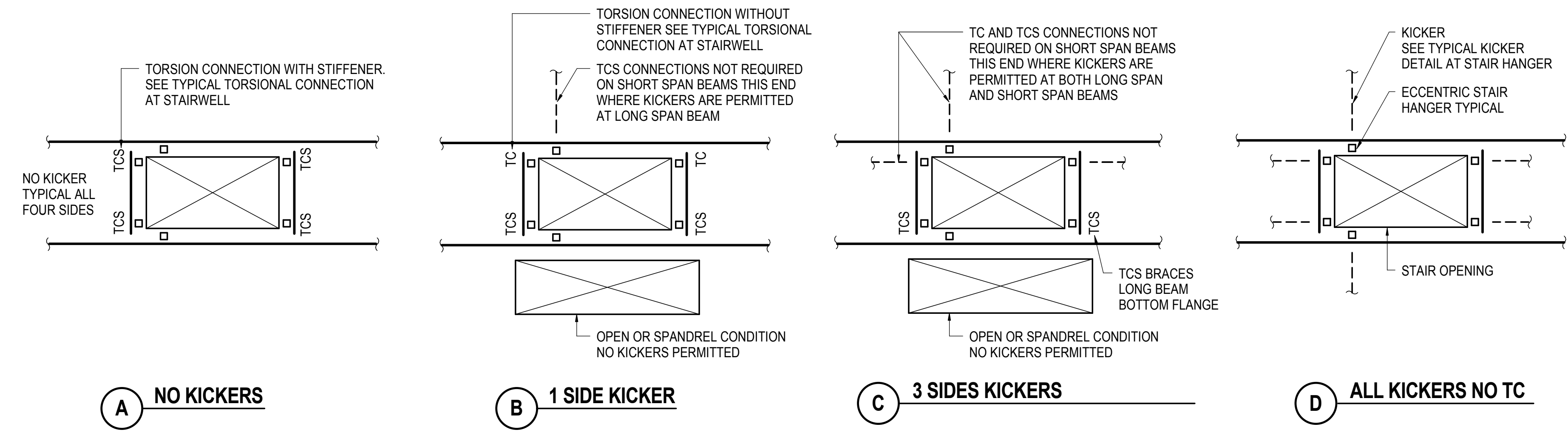
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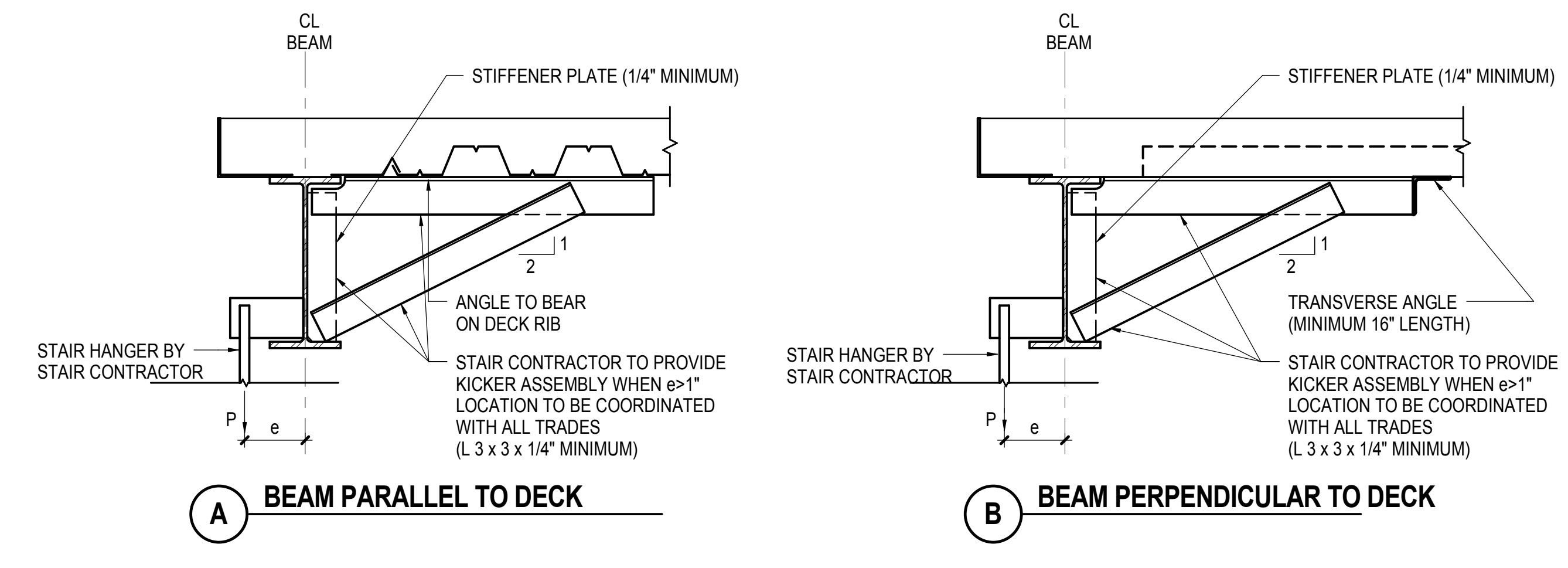
- NOTES:**
- SEE TYPICAL PLAN DETAILS FOR STAIRWELLS
 - SUBMIT SHOP DRAWINGS THAT SHOW THE MAGNITUDES, DIRECTIONS, LOCATIONS, AND CONNECTION CONDITIONS OF ALL LOADS IMPOSED ON THE SUPPORTING STRUCTURE BY STAIR CONTRACTOR

1 TYPICAL TORSIONAL CONNECTION AT STAIRWELL / TC AND TCS LOCATIONS
NOT TO SCALE



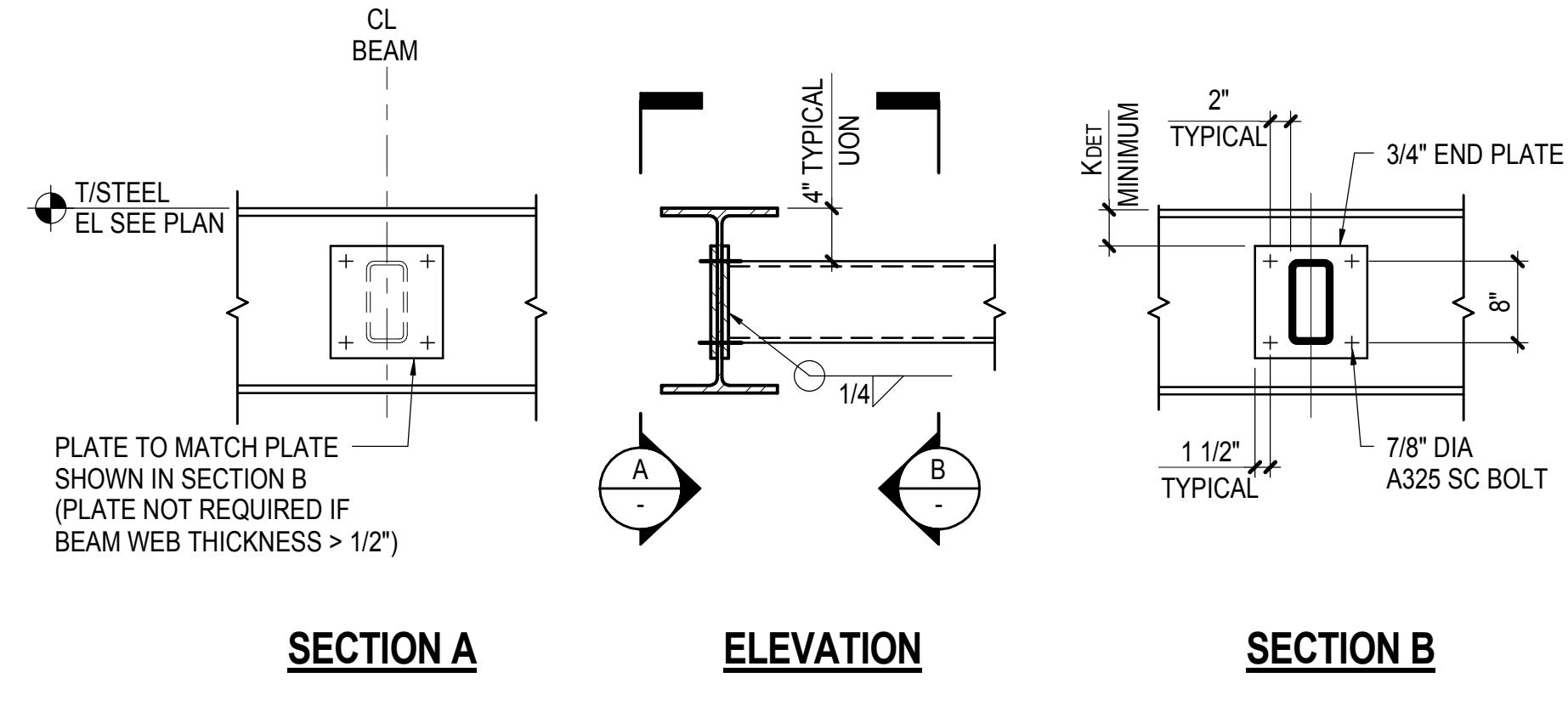
- NOTES:**
- BID PRICE SHALL ASSUME THAT THIS DETAIL APPLIES UNLESS COORDINATED BETWEEN CONTRACTOR AND STAIR SUPPLIER
 - DETAIL APPLIES WHERE KICKERS ARE NOT PERMITTED DUE TO CONFLICTS SUCH AS MEP REQUIREMENTS
- NOTE:**
- REFER TO TYPICAL TORSIONAL CONNECTION AT STAIRWELL AND TYPICAL KICKER DETAIL AT STAIR HANGER

3 TYPICAL PLAN DETAILS FOR STAIRWELLS
NOT TO SCALE



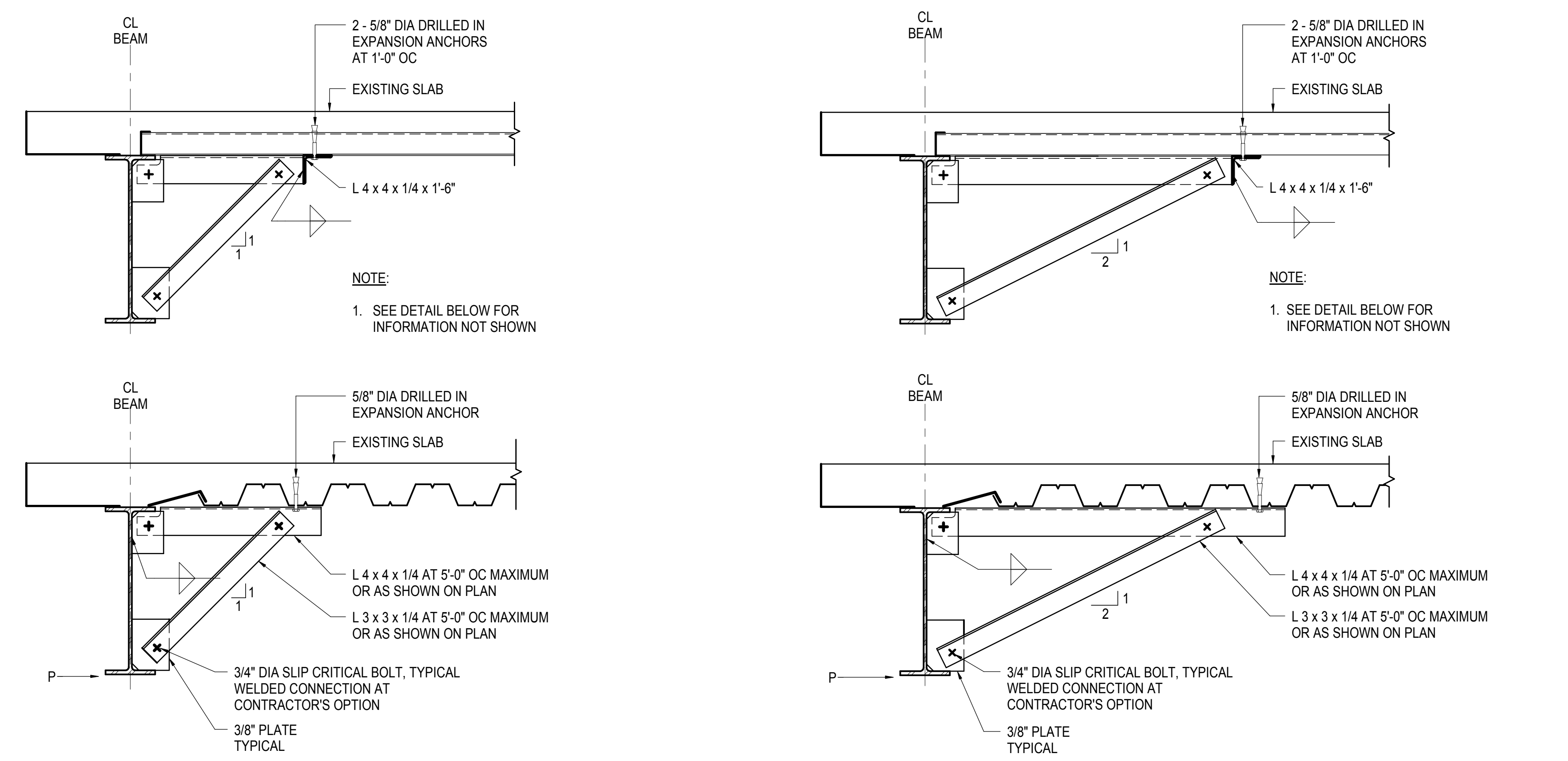
- NOTES:**
- SEE TYPICAL PLAN DETAILS FOR STAIRWELLS
 - SUBMIT SHOP DRAWINGS THAT SHOW THE MAGNITUDES, DIRECTIONS, LOCATIONS, AND CONNECTION CONDITIONS OF ALL LOADS IMPOSED ON THE SUPPORTING STRUCTURE BY STAIR CONTRACTOR
 - CONNECT ANGLES TO STEEL DECK AS REQUIRED FOR ERECTION

2 TYPICAL KICKER DETAIL AT STAIR HANGER
NOT TO SCALE



- NOTES:**
- SEE PLAN FOR DIVIDER BEAM SIZE
 - ELEVATOR DIVIDER BEAM LOCATIONS TO BE COORDINATED BY CONTRACTOR

4 TYPICAL ELEVATOR DIVIDER BEAM DETAIL
NOT TO SCALE

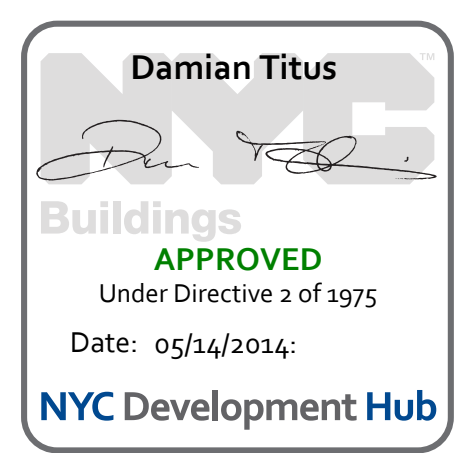
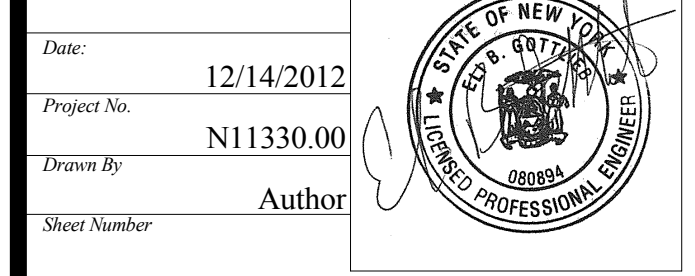


5 TYPICAL KICKER DETAIL (P 2,000 LBS)
NOT TO SCALE

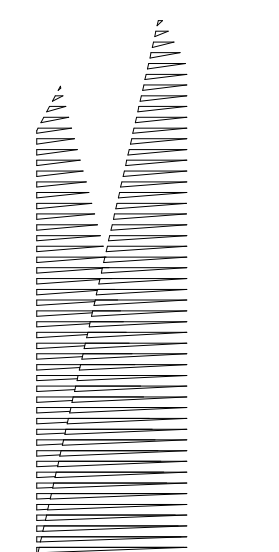
6 TYPICAL KICKER DETAIL (2,000 LBS= P 5,000LBS)
NOT TO SCALE

| | |
|------------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| A. DR-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A. DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| Rev | Description |

Rev. Date



HYE - PL - S-713.00
Drawing Title
TYPICAL STEEL BEAM DETAILS IV



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| M&T - PLATFORM SUBMISSION | | |
| Δ - DR-02 PHASE I STRUCTURE UPDATE | 11/1/2013 | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 | 10/4/2013 |
| Δ - DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 | 5/29/2013 |
| LIRR - 60% - PHASE I FDNS | 3/29/2013 | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 | 2/15/2013 |

Rev. Plot

Date: 12/14/2012

Project No: N11330.00

Drawn By: Author

Sheet Number: HYE - PL - S-721.00

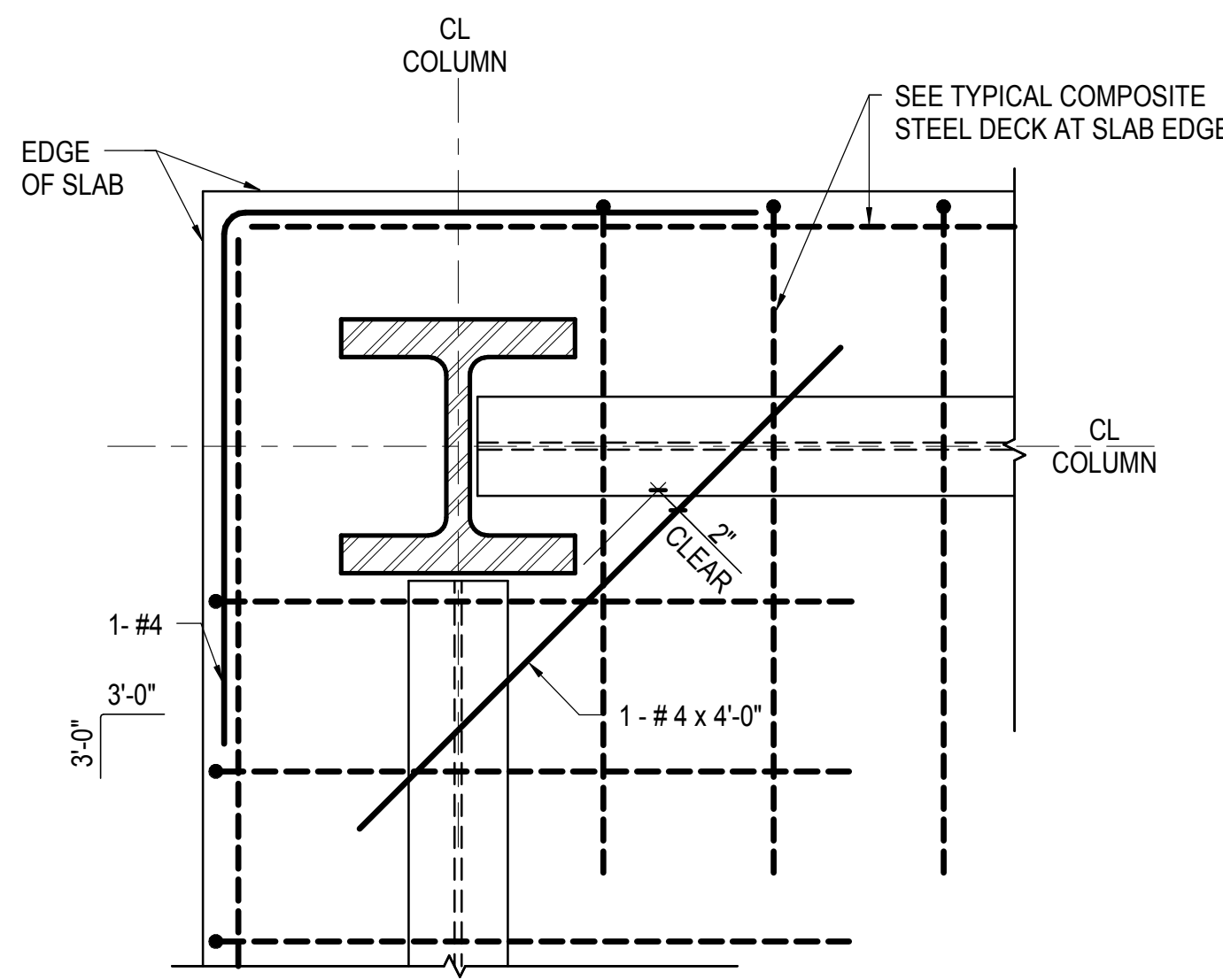
TYPICAL COMPOSITE STEEL DECK DETAILS II

Drawing Number / Revision Number

S-721.00

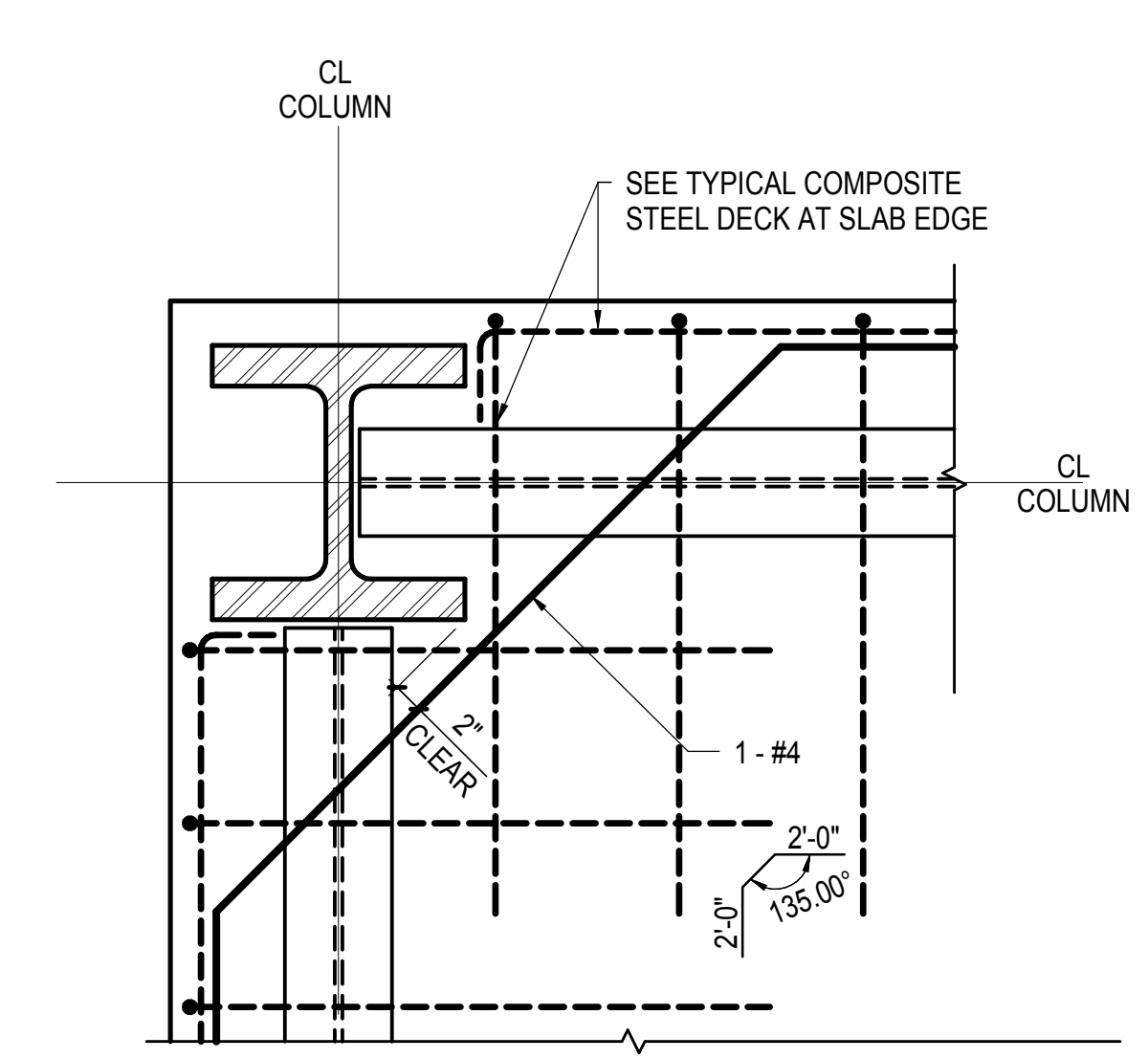
SHEET 177 OF 201

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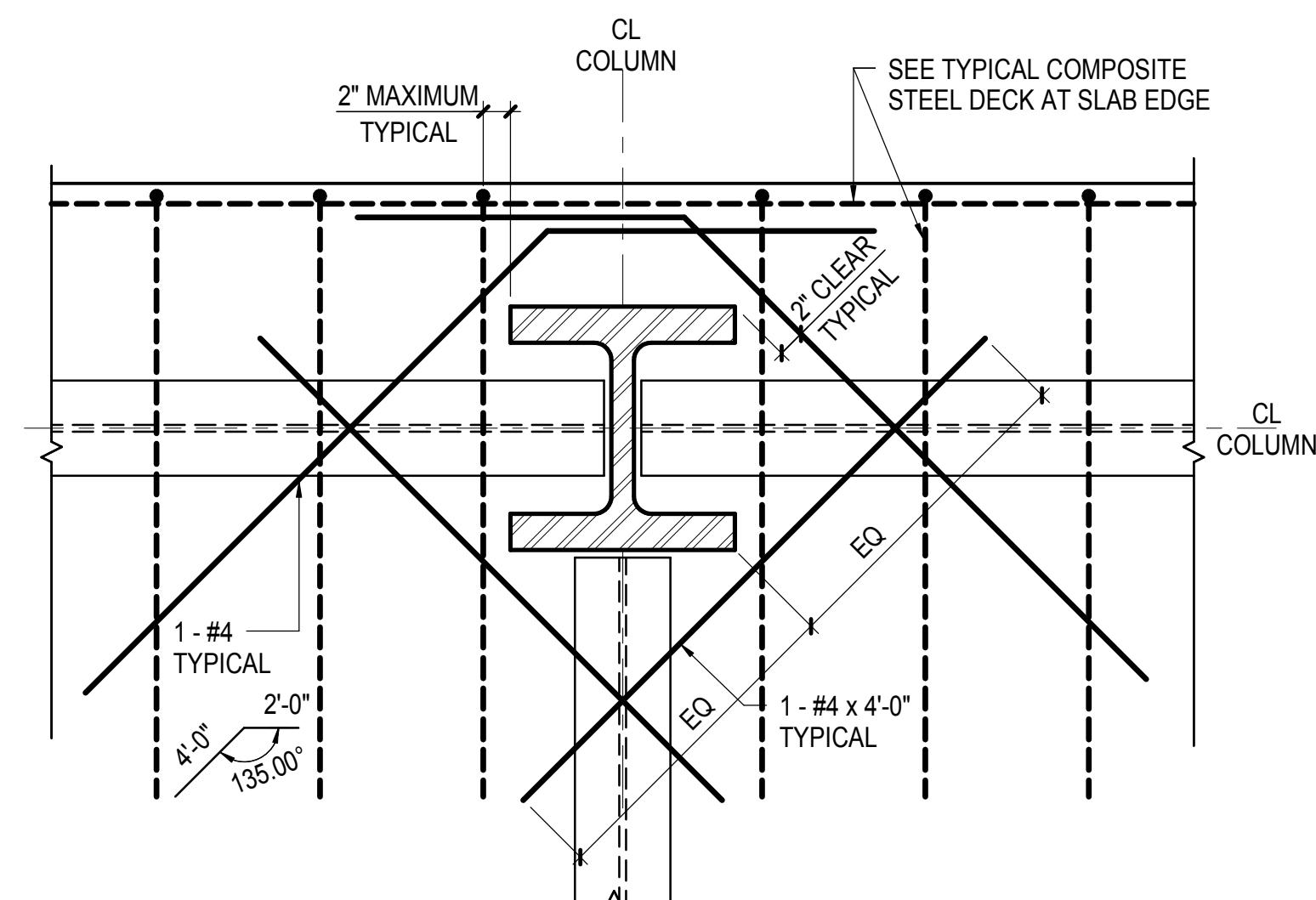
- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

3 TYPICAL SLAB REINFORCEMENT AT CORNER COLUMN SLAB EDGE EXTENDS 2" OR MORE BEYOND FACE OF COLUMN
NOT TO SCALE



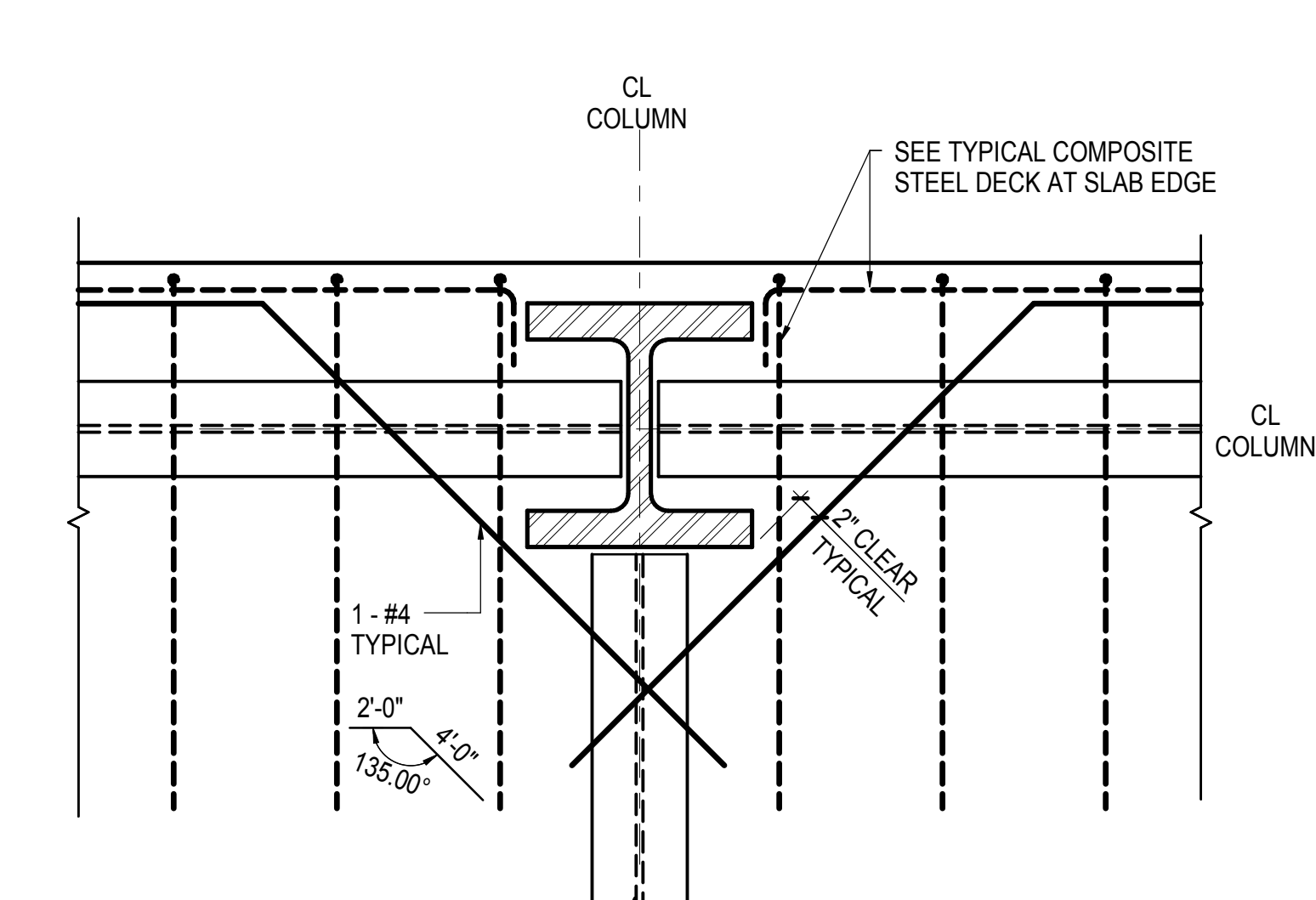
- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

4 TYPICAL SLAB REINFORCEMENT AT CORNER COLUMN SLAB EDGE EXTENDS LESS THAN 2" BEYOND FACE OF COLUMN
NOT TO SCALE



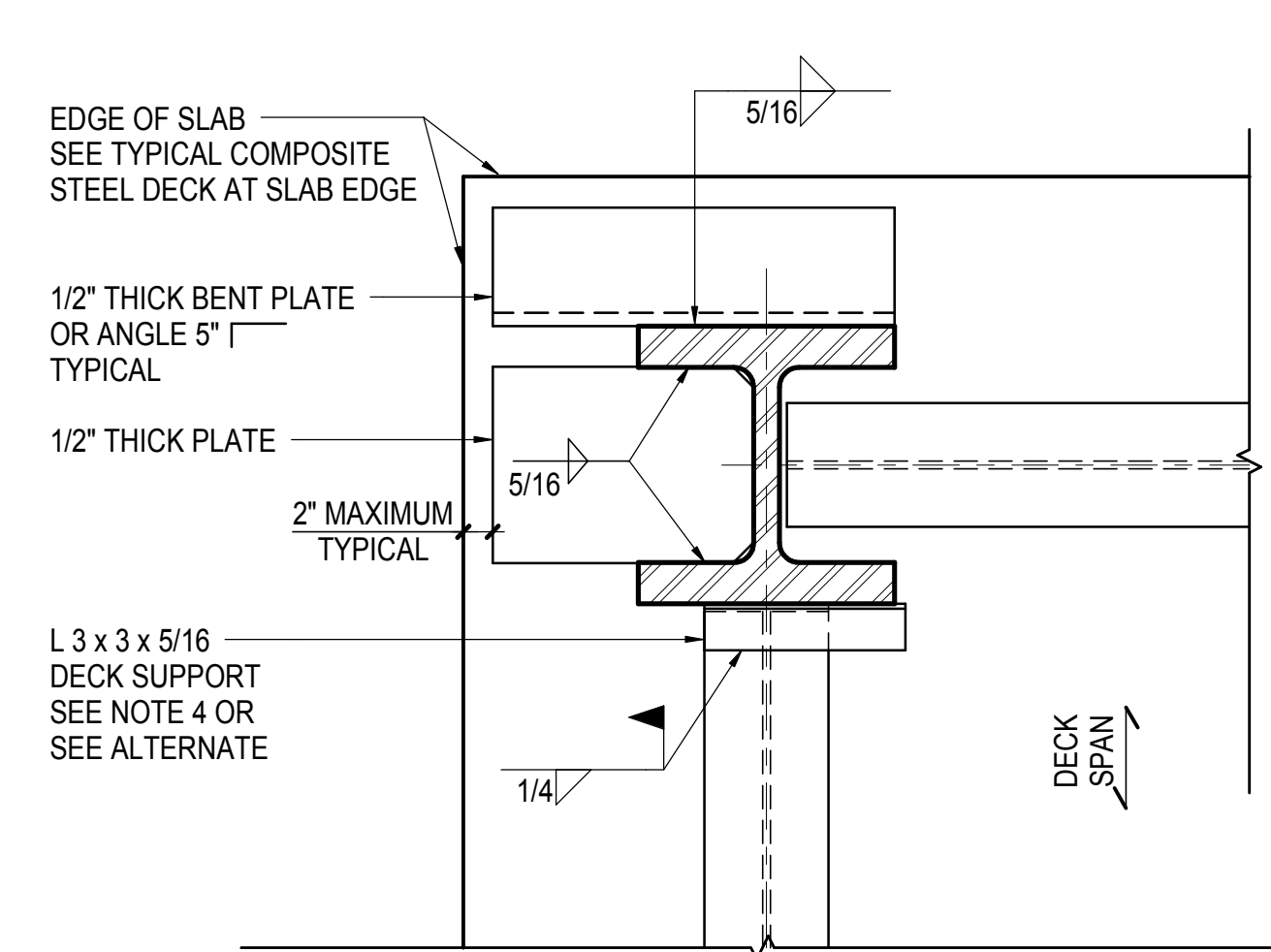
- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

1 TYPICAL SLAB REINFORCEMENT AT EXTERIOR COLUMN SLAB EDGE EXTENDS 2" OR MORE BEYOND FACE OF COLUMN
NOT TO SCALE

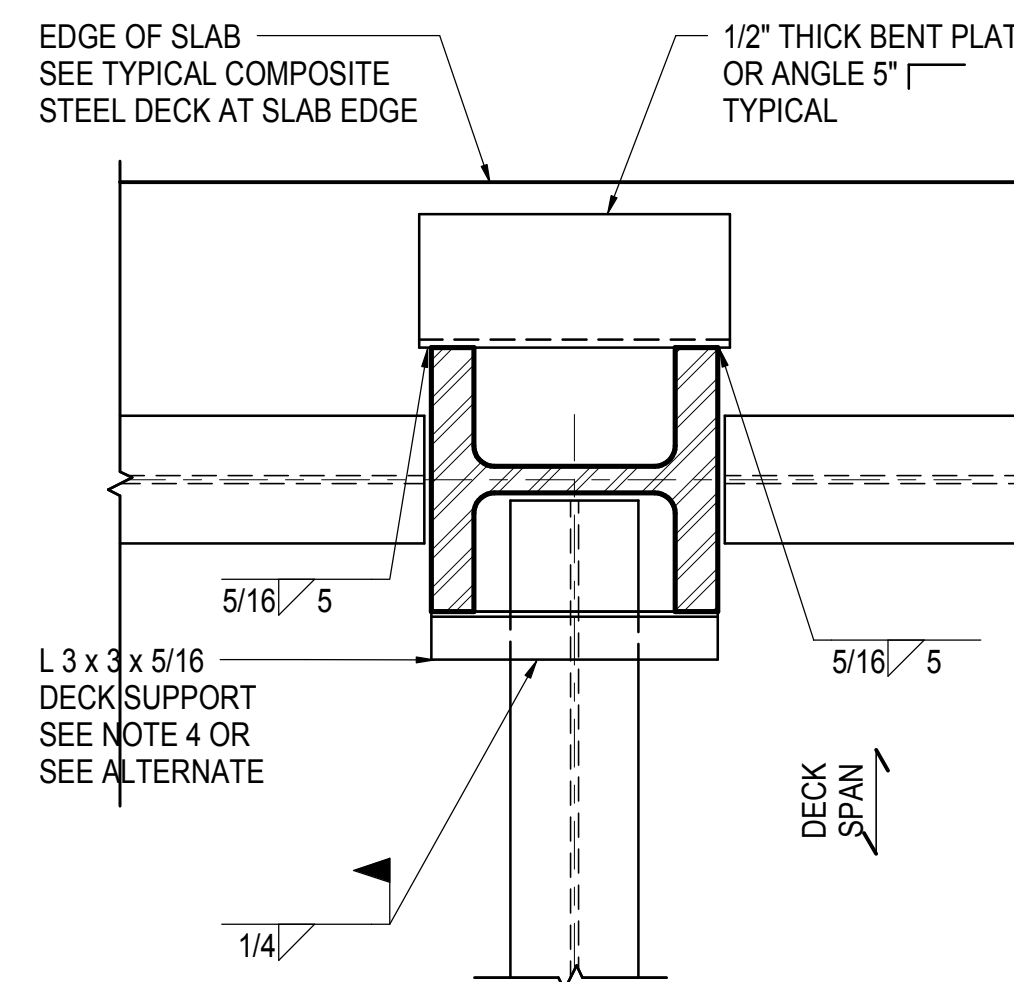


- NOTES:
1. SLAB REINFORCEMENT SHOWN TO BE PLACED IMMEDIATELY BELOW THE TYPICAL SLAB TOP BAR REINFORCEMENT
 2. SEE TYPICAL DECK SUPPORT AT COLUMN DETAIL

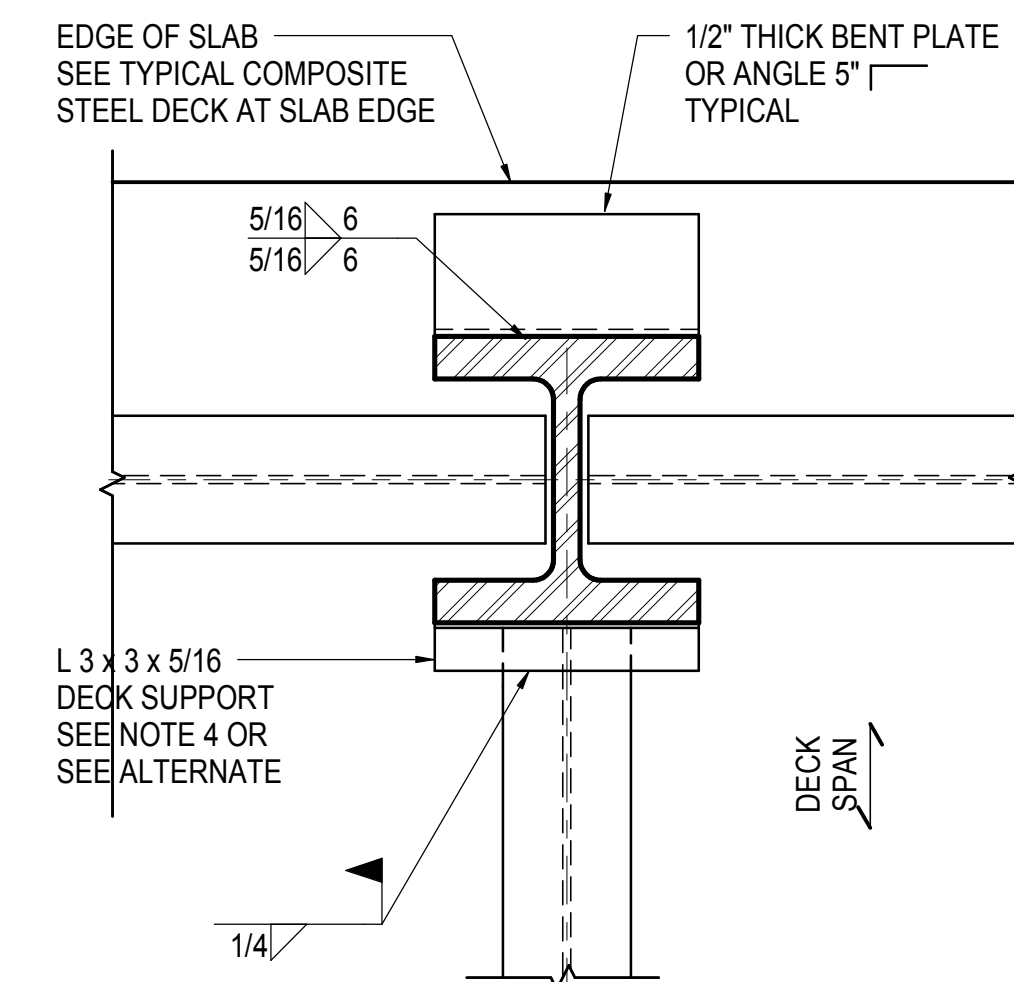
2 TYPICAL SLAB REINFORCEMENT AT EDGE COLUMN SLAB EDGE EXTENDS LESS THAN 2" BEYOND FACE OF COLUMN
NOT TO SCALE



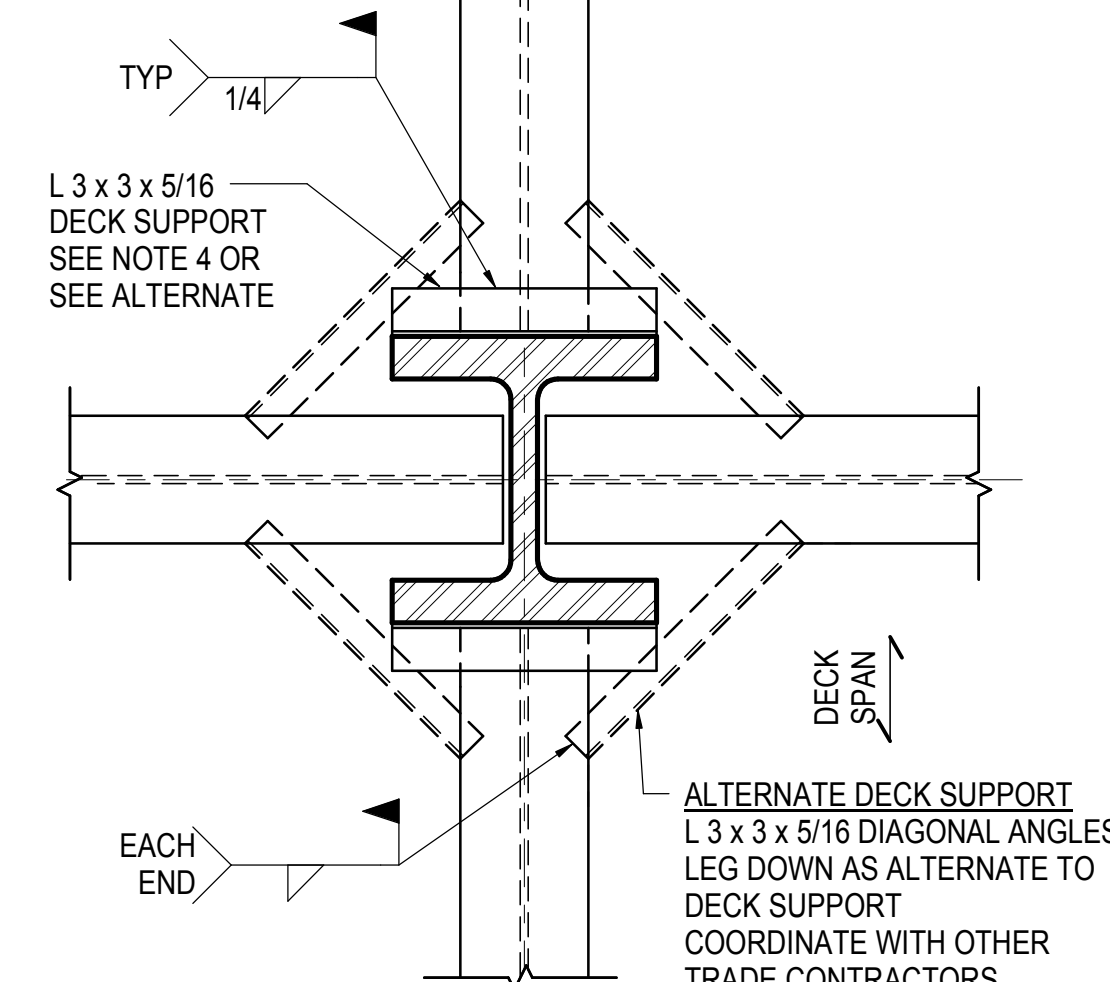
DETAIL AT CORNER COLUMN



DETAIL AT EDGE COLUMN



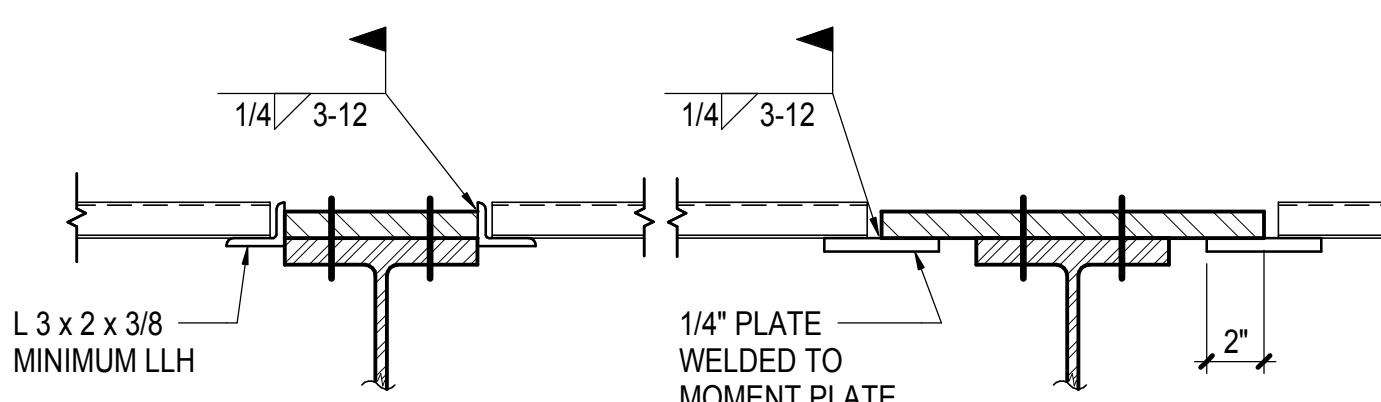
DETAIL AT EDGE COLUMN



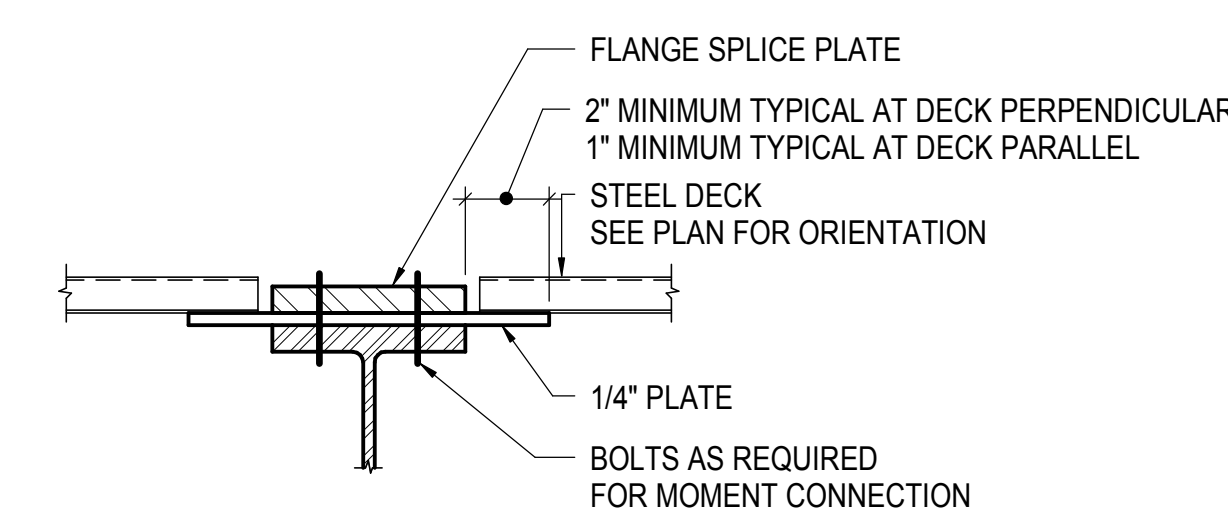
DETAIL AT INTERIOR COLUMNS

- NOTES:
1. SEE ADDITIONAL DETAILS AT EXTERIOR WALL SUPPORTS
 2. ATTACH DECK (ENDS AND SIDE LAPS) TO SUPPORT ANGLES OR PLATES TYPICAL
 3. SEE TYPICAL SLAB REINFORCEMENT AT COLUMN DETAILS
 4. CONTRACTOR SHALL COORDINATE AND PROVIDE ANGLES AS REQUIRED FOR SUPPORT OF DECK NOTCHED AROUND COLUMN TYPICAL AT ALL FLOORS AT ALL COLUMNS SIZES SHOWN ARE MINIMUM, CONTRACTOR TO VERIFY FOR ACTUAL CONDITIONS

6 TYPICAL DECK SUPPORT AT COLUMN
NOT TO SCALE



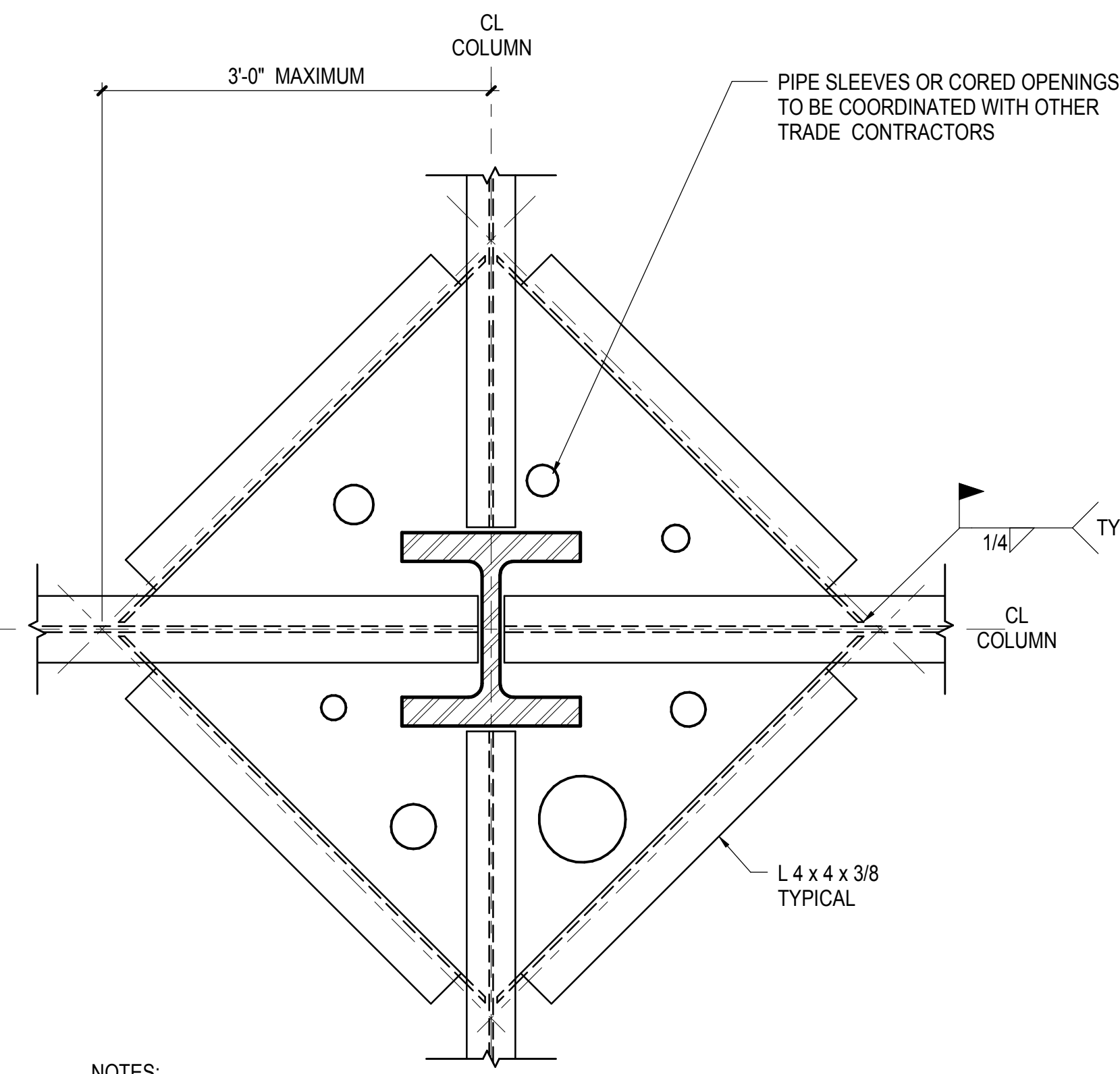
ALTERNATE DETAIL



ALTERNATE DETAIL

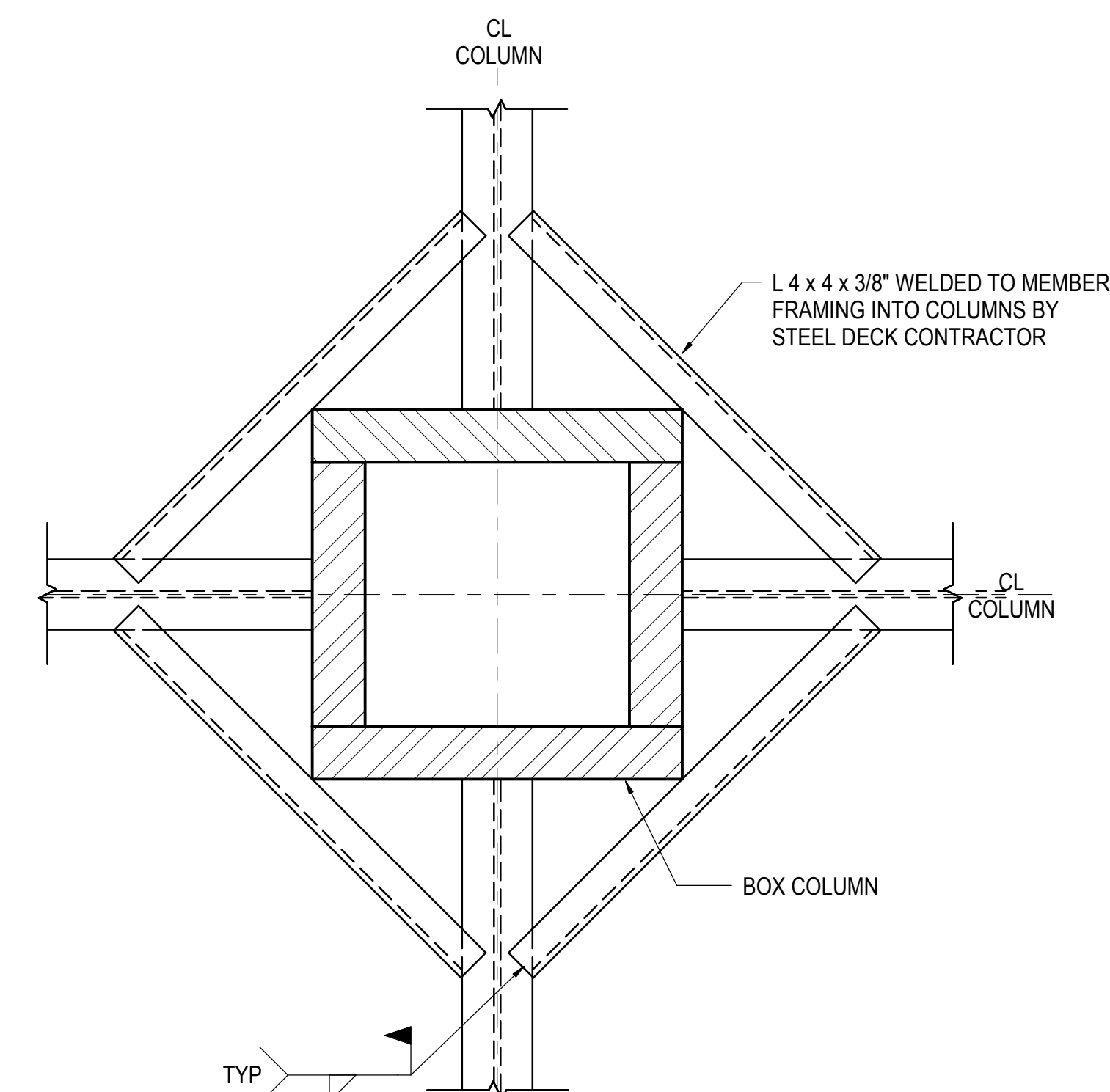
9 TYPICAL DECK SUPPORT AT MOMENT CONNECTION
NOT TO SCALE

5 TYPICAL SLAB REINFORCEMENT AT INTERIOR COLUMN
NOT TO SCALE



- NOTES:
1. DETAIL TO BE COORDINATED WITH MEP
 2. SEE NOTES FOR TYPICAL DECK SUPPORT AT COLUMN DETAILS

7 TYPICAL DECK SUPPORT AT WET COLUMN
NOT TO SCALE



- NOTE:
1. SEE NOTES FOR TYPICAL DECK SUPPORT AT COLUMN DETAILS

8 TYPICAL DECK SUPPORT AT BOX COLUMN
NOT TO SCALE



Damian Titus
Approved
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



Date: 12/14/2012

Project No: N11330.00

Drawn By: Author

Sheet Number: HYE - PL - S-721.00

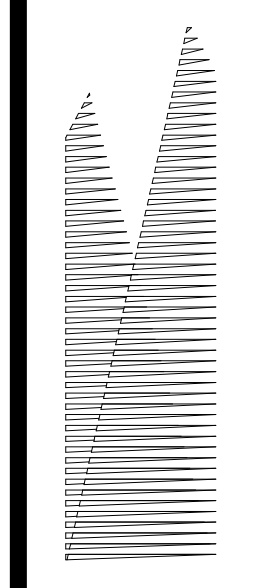
TYPICAL COMPOSITE STEEL DECK DETAILS II

Drawing Number / Revision Number

S-721.00

SHEET 177 OF 201

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Structural Engineer
Thornton Tomasetti, Inc.
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New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

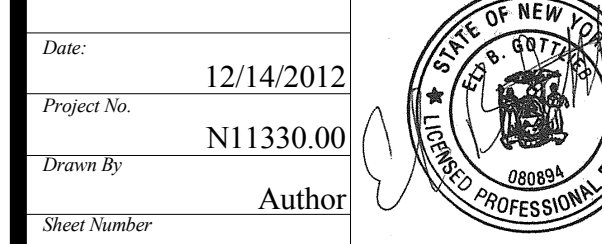
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
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LIRR Ventilation
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Tel: 212.973.9200 Fax: 212.682.6172

| | |
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ - DR-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ - DR-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
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| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE 1 FDNS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| W - Description | Date |

Rev. No.



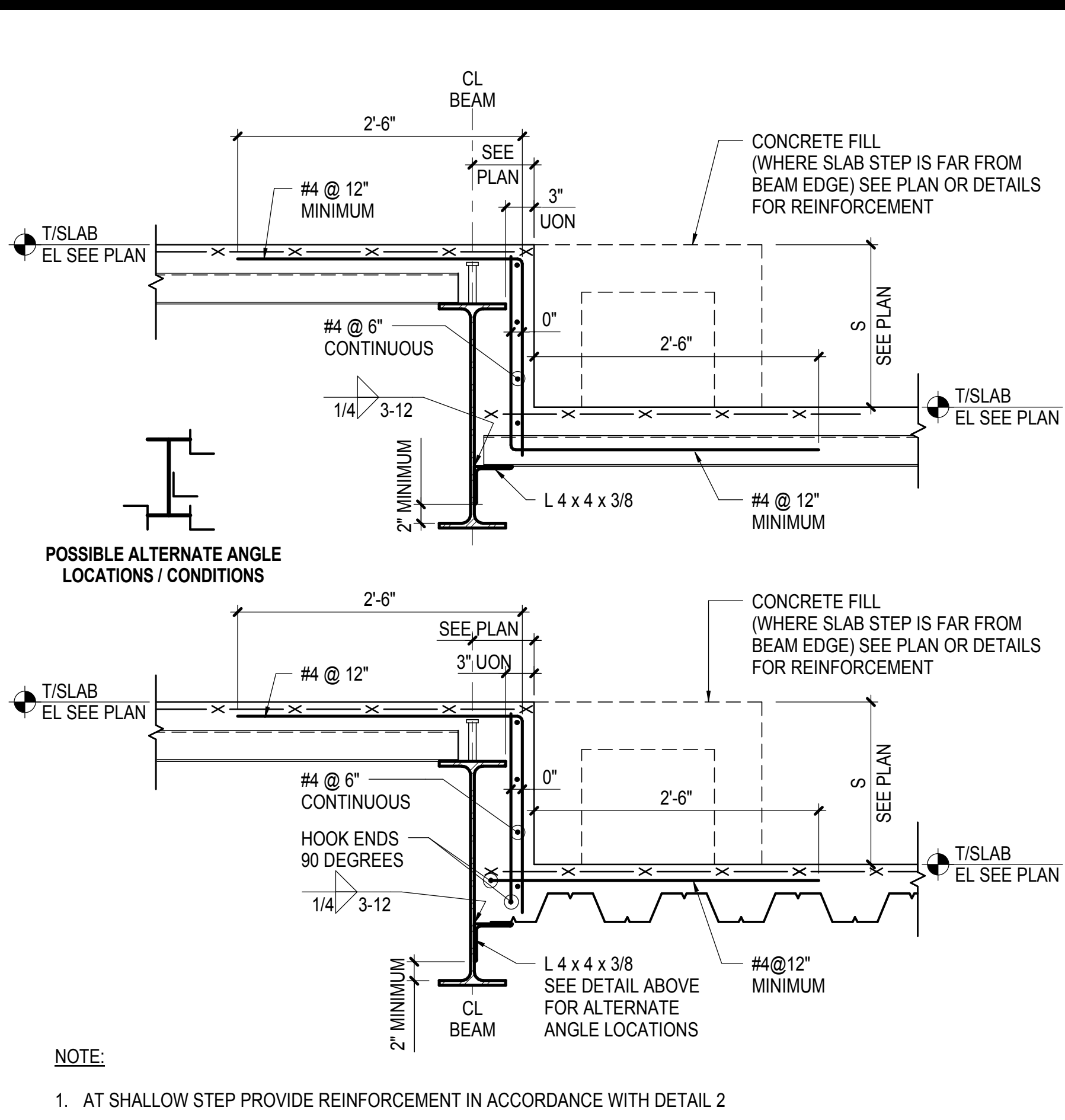
HYE - PL - S-722.00

TYPICAL COMPOSITE
STEEL DECK DETAILS
III

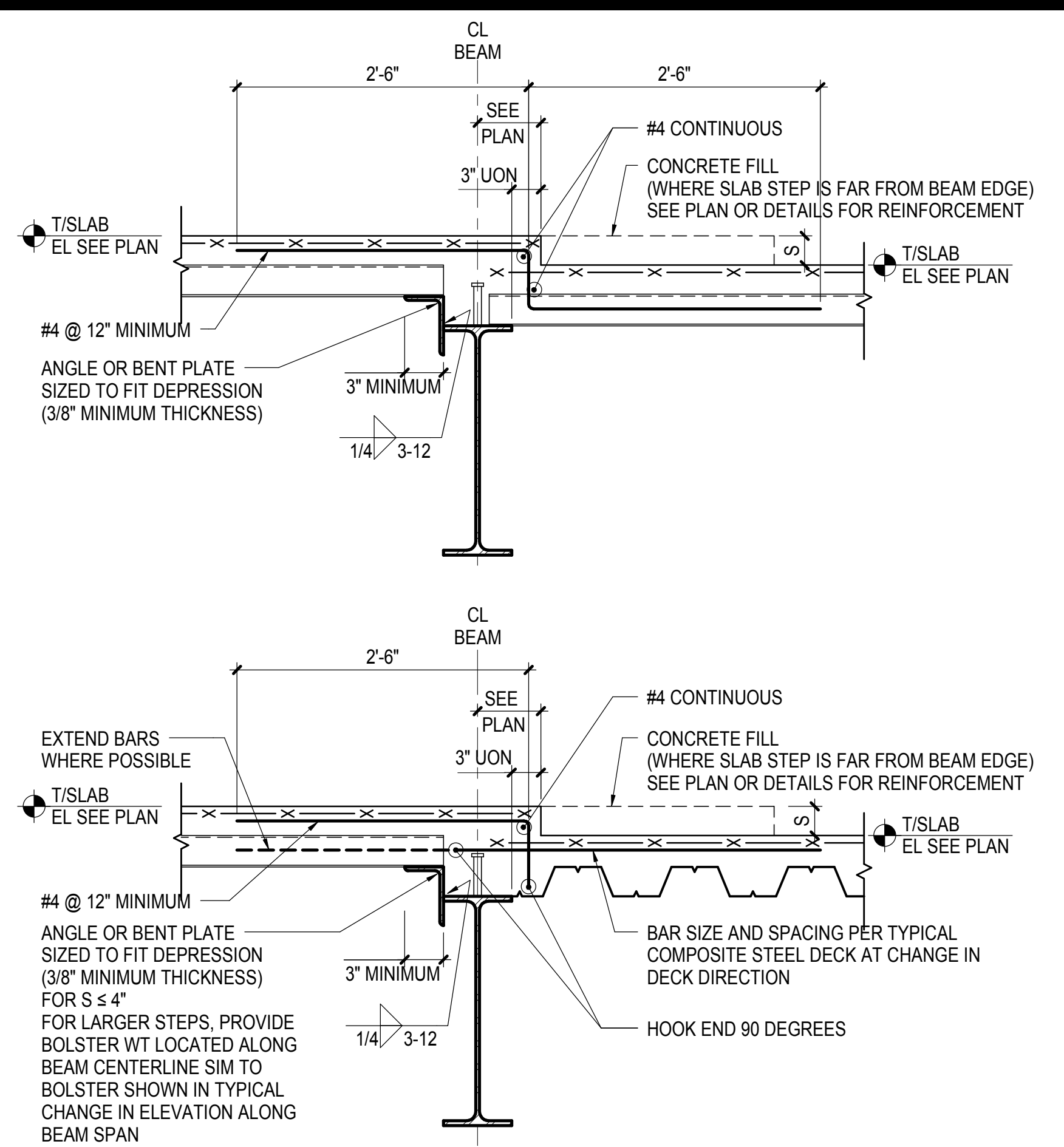
Drawing Number / BSC/AS Drawing Number

S-722.00

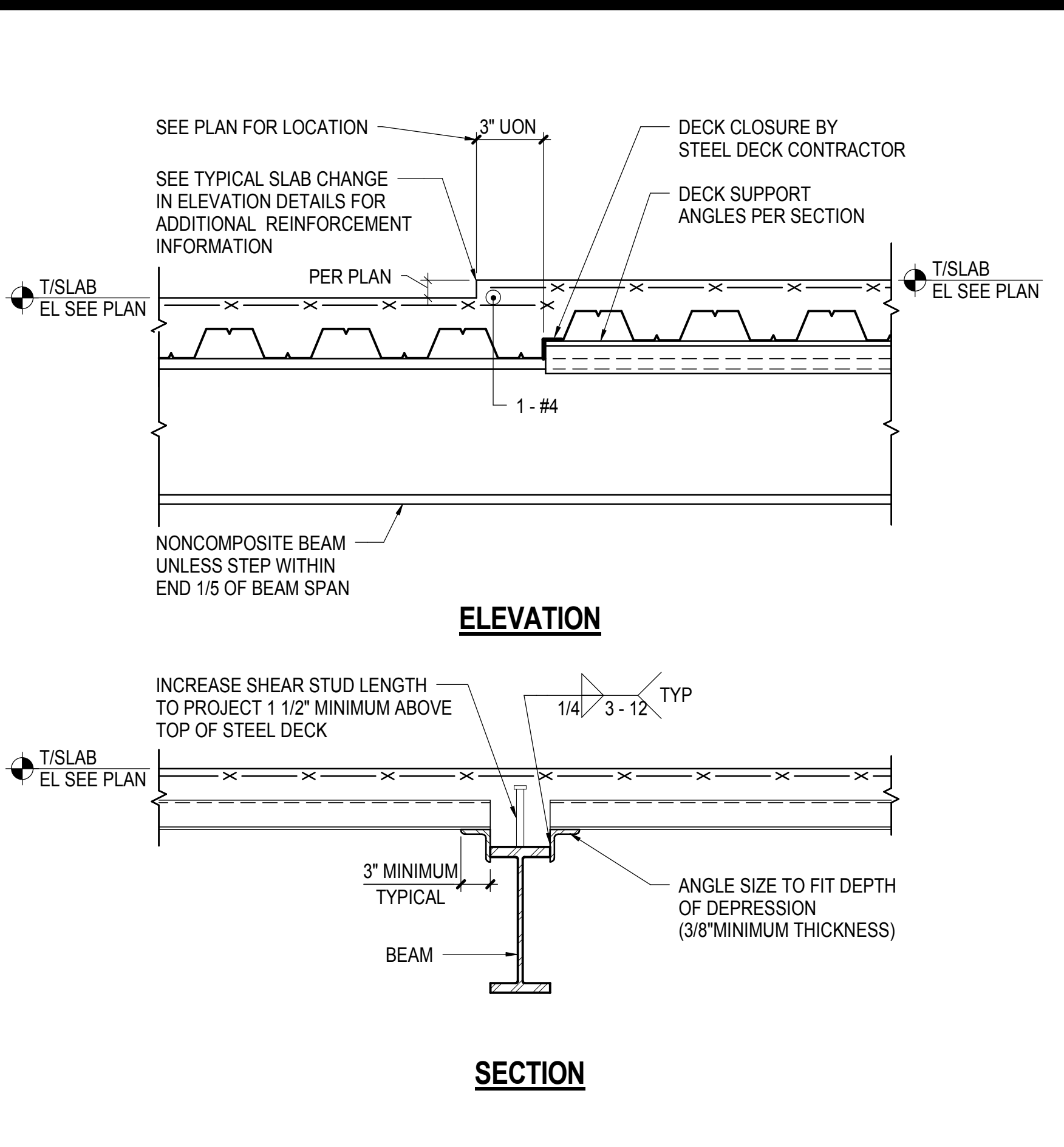
SHEET 178 OF 201



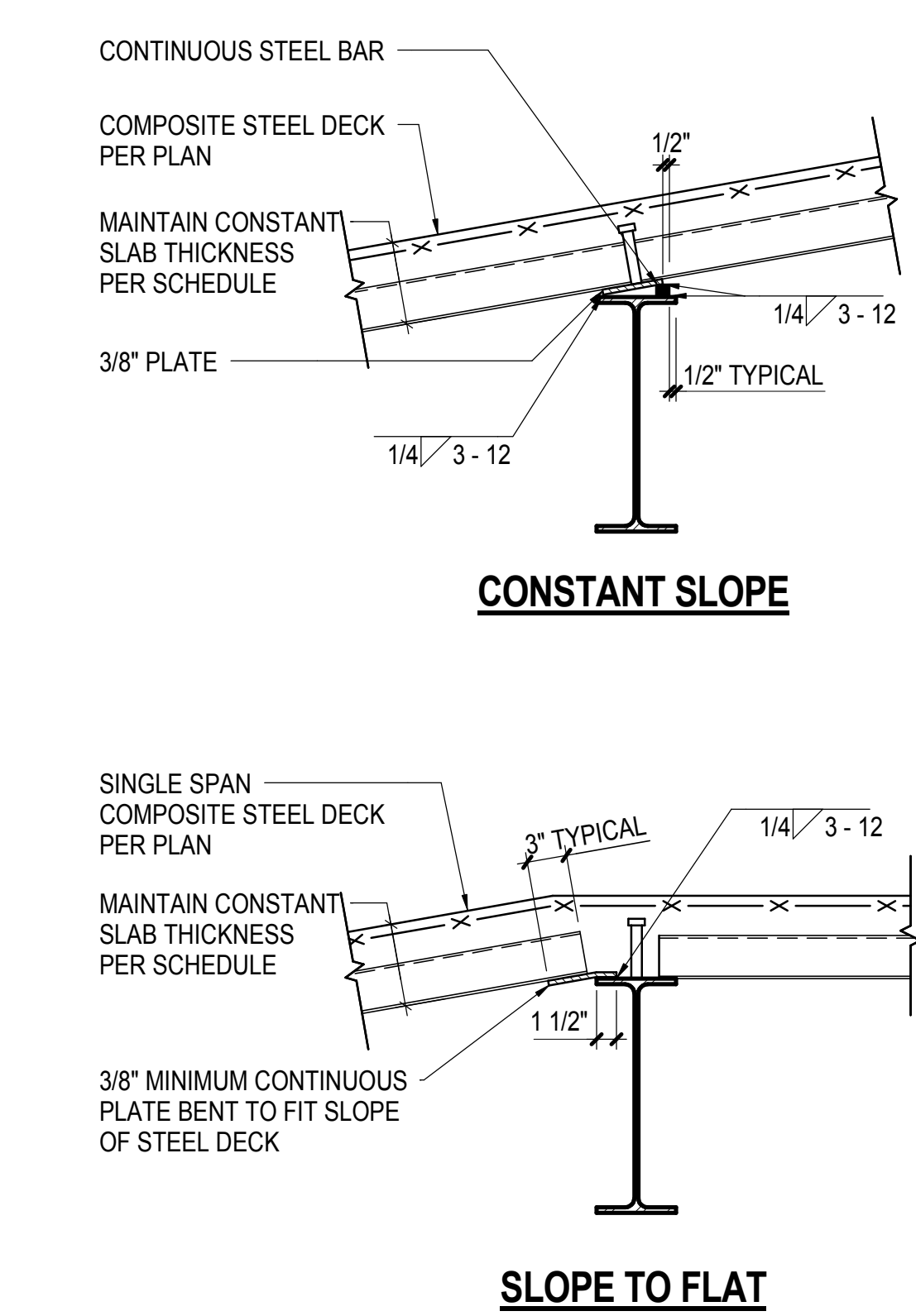
1 TYPICAL CHANGE IN SLAB ELEVATION (BEAM AT HIGH SLAB)
NOT TO SCALE



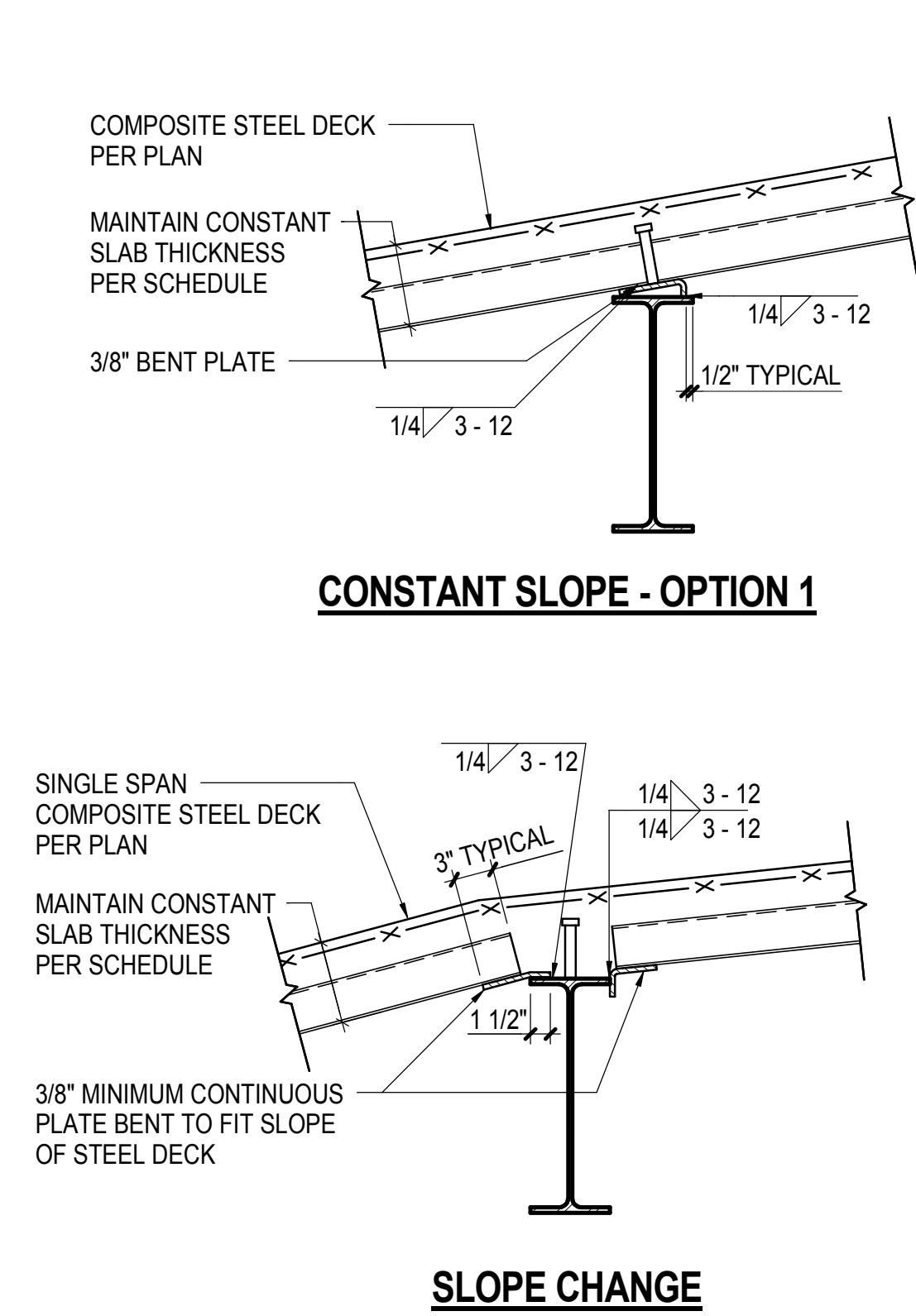
2 TYPICAL CHANGE IN SLAB ELEVATION (BEAM AT LOW SLAB)
NOT TO SCALE



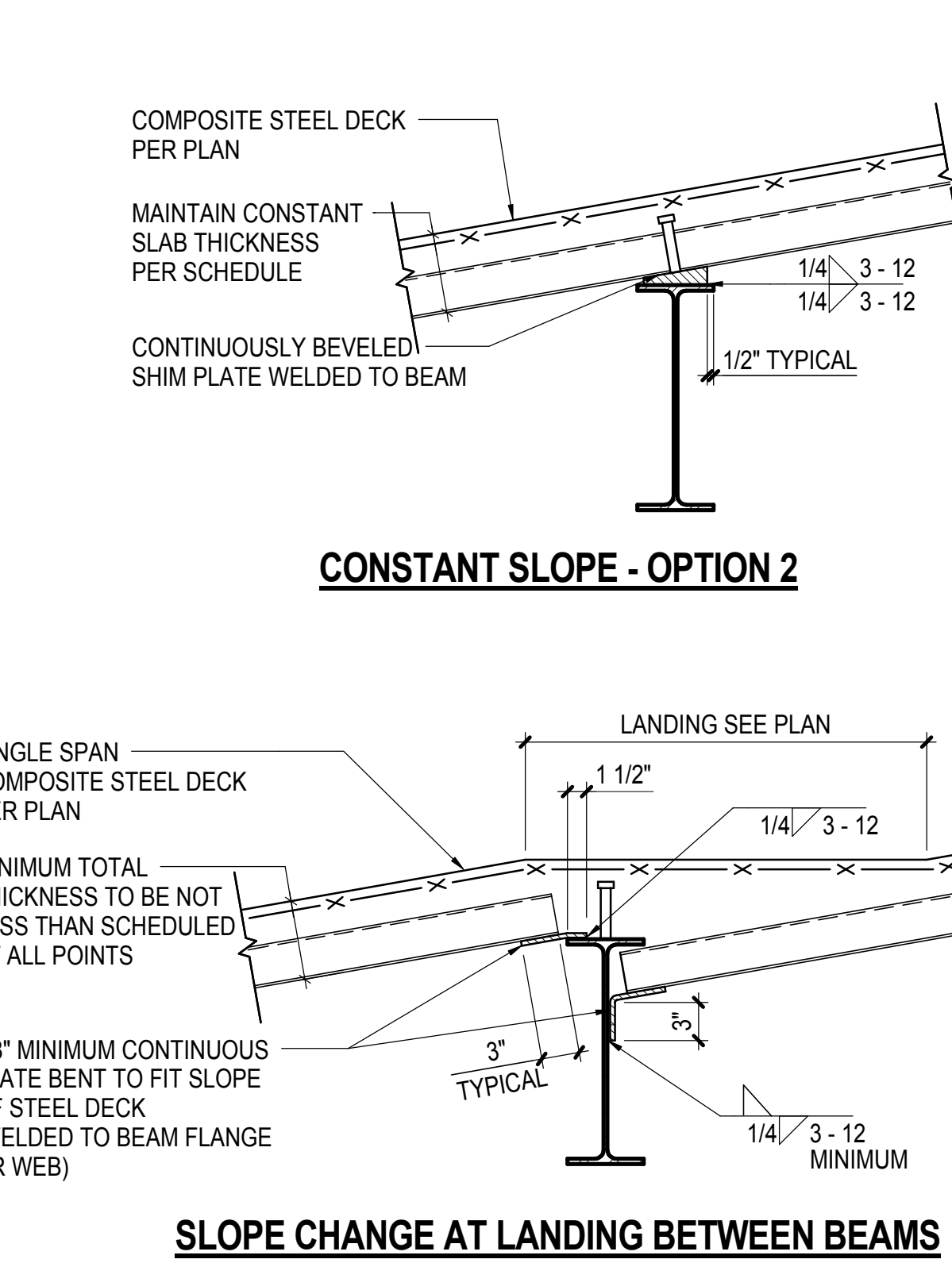
3 TYPICAL CHANGE IN SLAB ELEVATION ALONG BEAM SPAN
NOT TO SCALE



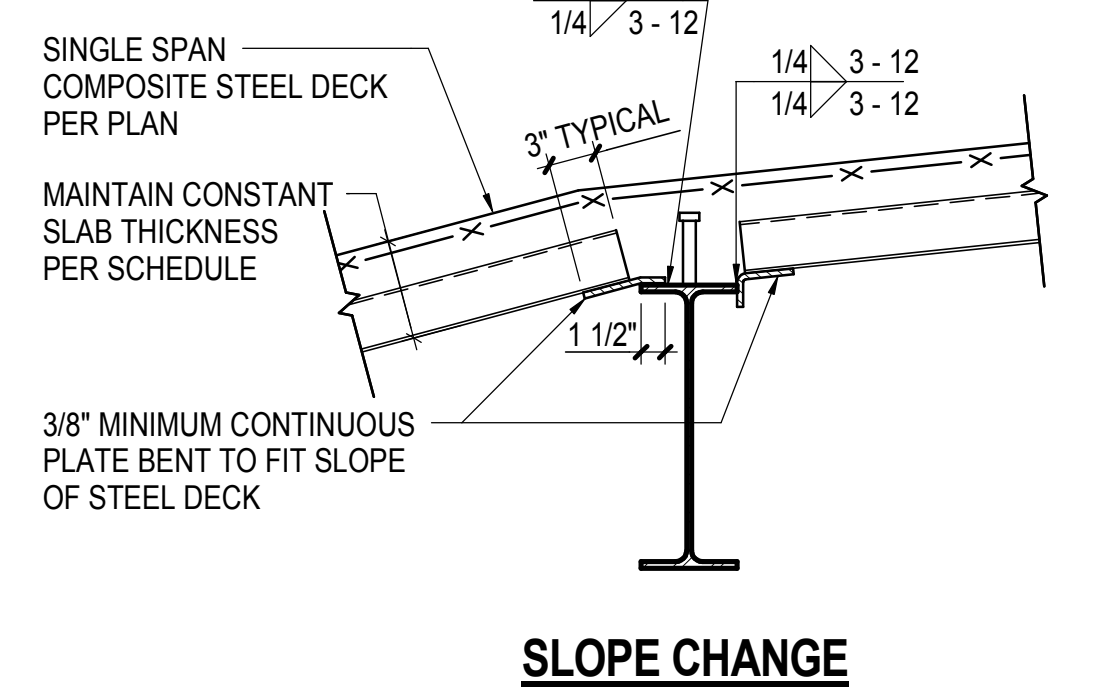
SLOPE TO FLAT



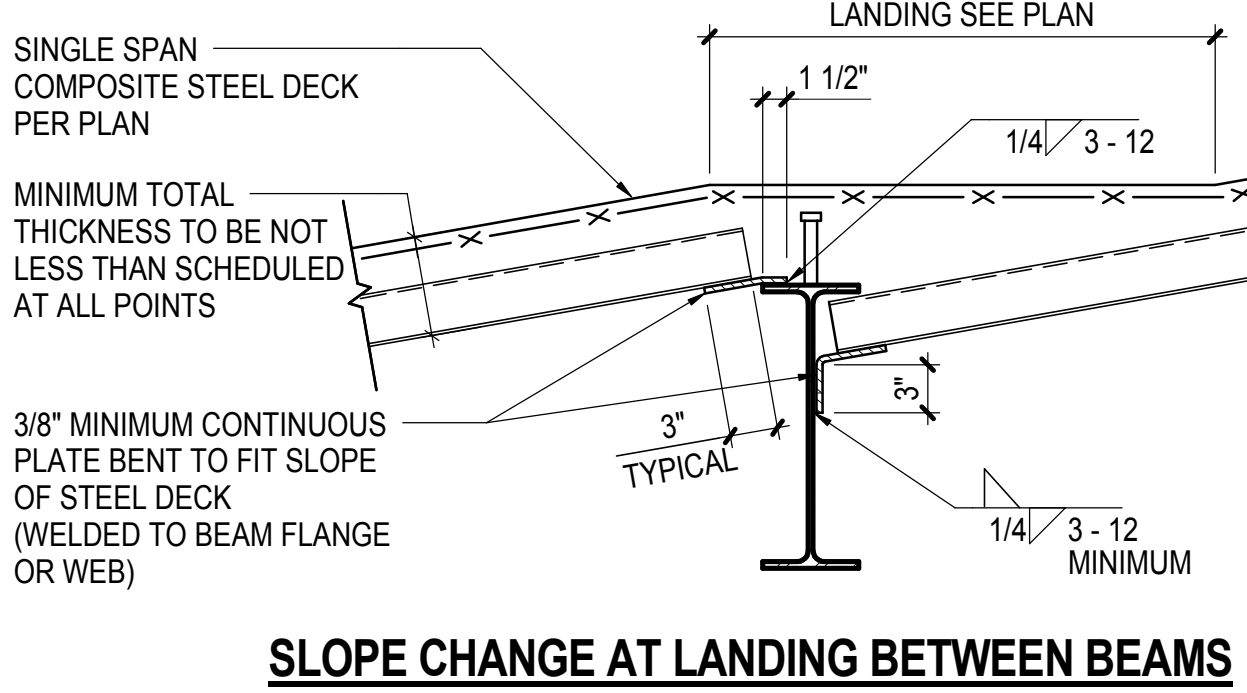
CONSTANT SLOPE - OPTION 1



CONSTANT SLOPE - OPTION 2



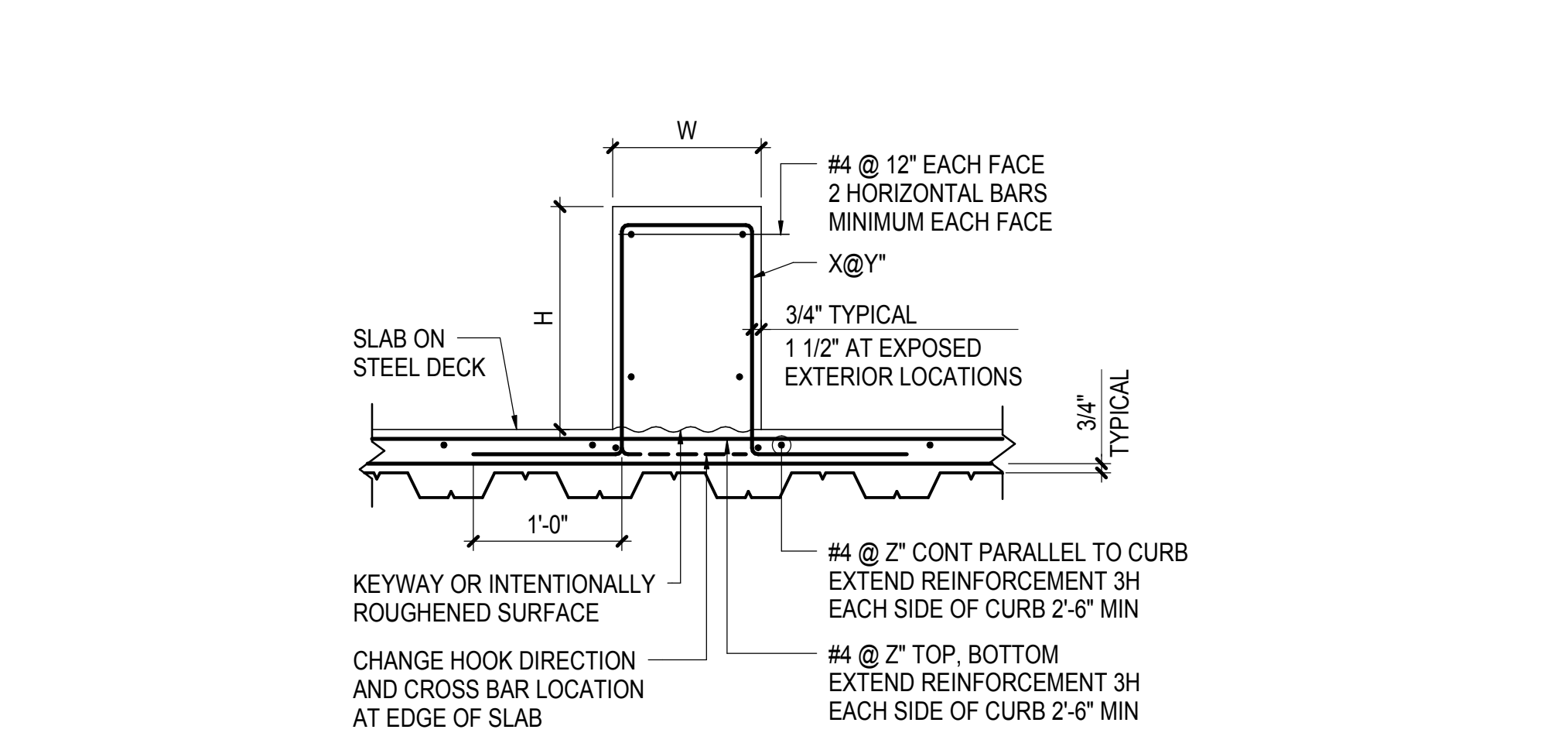
SLOPE CHANGE



SLOPE CHANGE AT LANDING BETWEEN BEAMS

NOTE:
1. DETAILS FOR SLOPING ROOF DECK SIMILAR

4 TYPICAL SUPPORT OF COMPOSITE STEEL DECK INCLINED OVER BEAM
NOT TO SCALE



CURB WIDTH OVER 8"

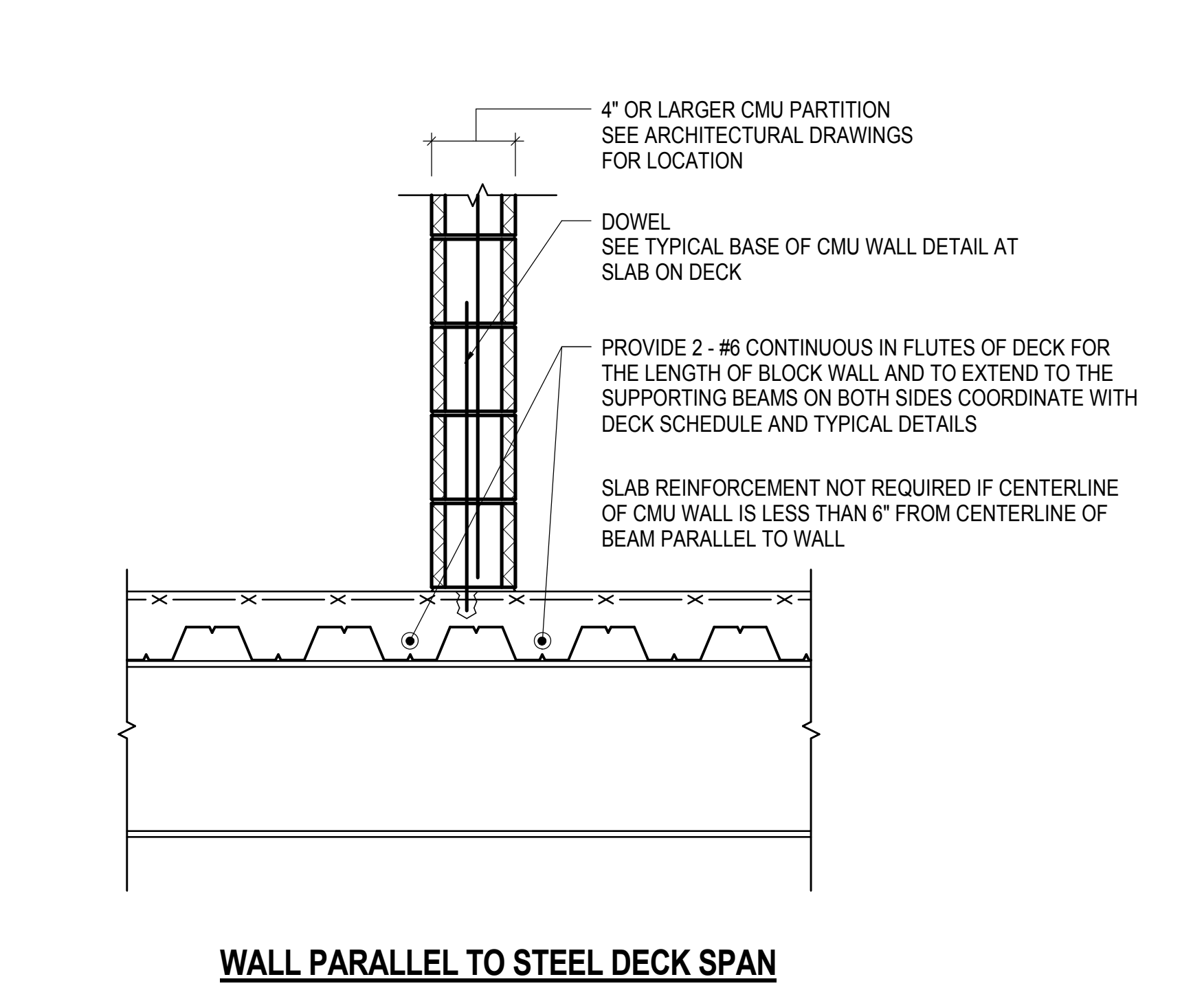
NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURE, MEP OR STRUCTURAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB TO 1/4\"/>

| CURB DIMENSION AND REINFORCEMENT SCHEDULE | | | |
|---|---|--------|----|
| W | H | X @ Y" | Z" |
| | | | |
| | | | |

CURB WIDTH - 4\"/>

NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURAL, MEP OR STRUCTURAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB TO 1/4\"/>

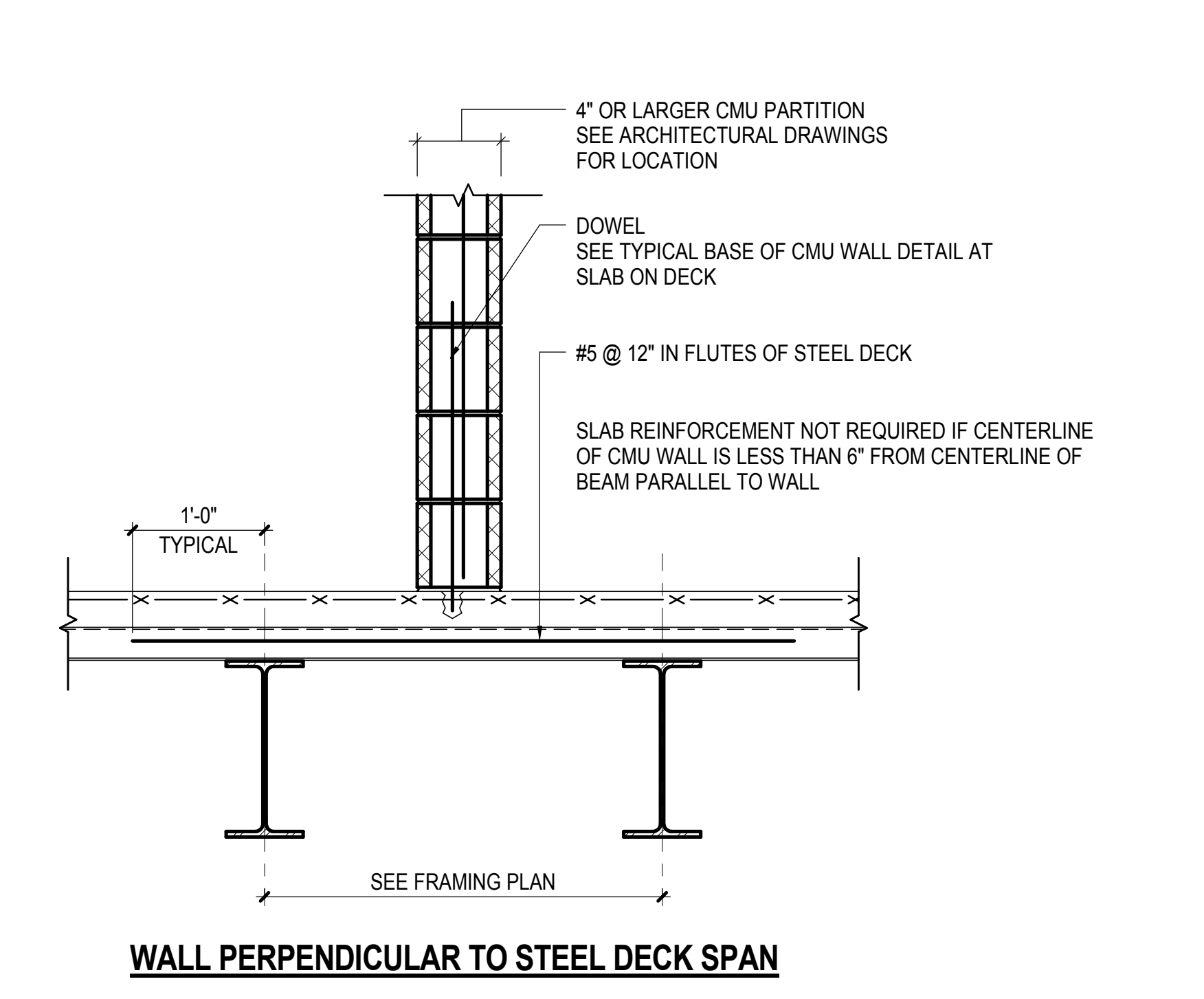
8 TYPICAL CURB DETAILS (NOT SUBJECT TO LATERAL LOADS)
NOT TO SCALE



WALL PARALLEL TO STEEL DECK SPAN

NOTE:
1. THIS DETAIL IS APPLICABLE ONLY WHEN WALL IS LATERALLY BRACED AT TOP SEE TYPICAL CMU WALL DETAILS FOR LATERAL BRACING

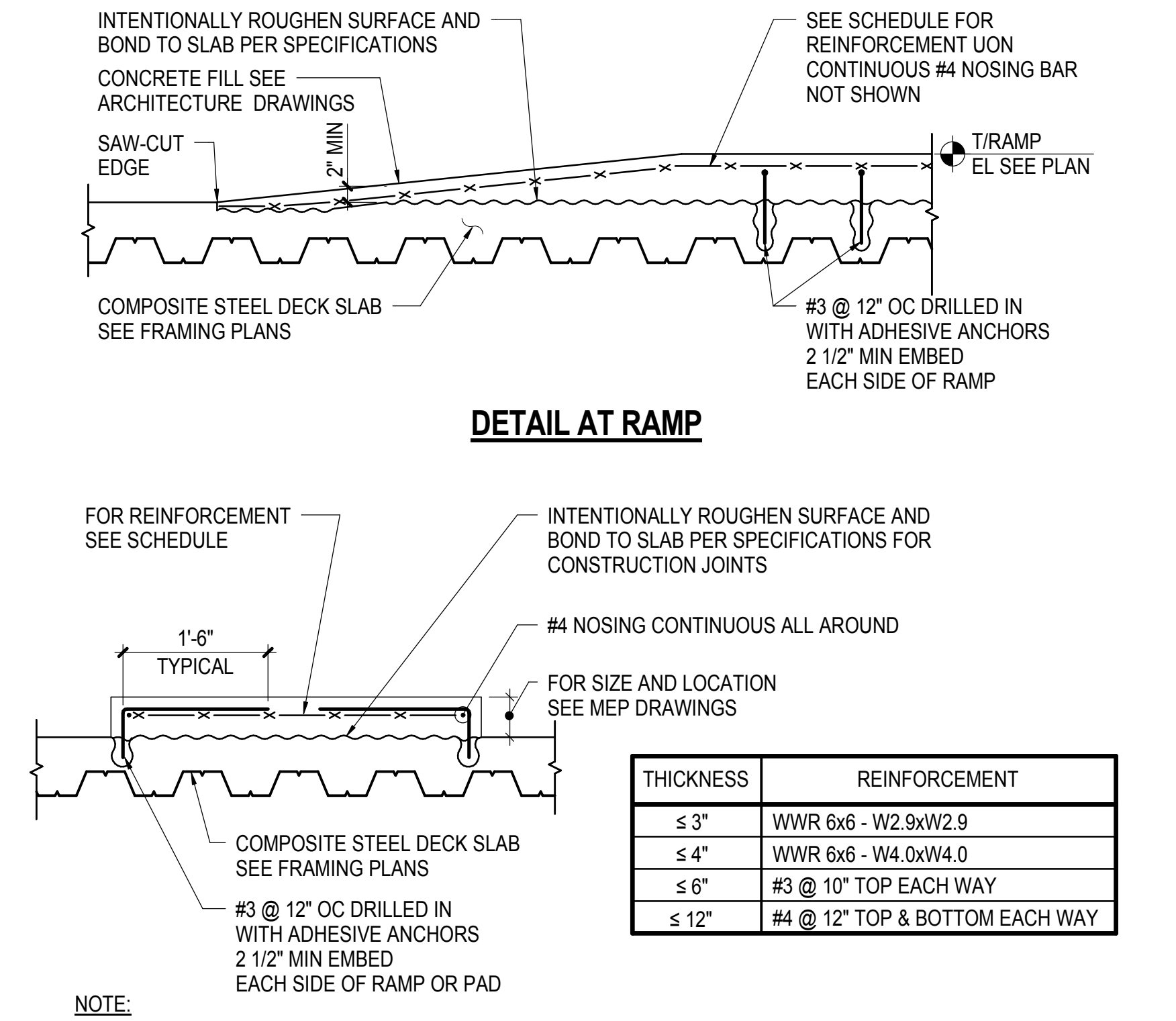
5 TYPICAL DETAIL OF COMPOSITE STEEL DECK UNDER CMU NON-STRUCTURAL PARTITION
NOT TO SCALE



WALL PERPENDICULAR TO STEEL DECK SPAN

NOTE:
1. THIS DETAIL IS APPLICABLE ONLY WHEN WALL IS LATERALLY BRACED AT TOP SEE TYPICAL CMU WALL DETAILS FOR LATERAL BRACING

6 TYPICAL DETAIL OF COMPOSITE STEEL DECK UNDER CMU NON-STRUCTURAL PARTITION
NOT TO SCALE

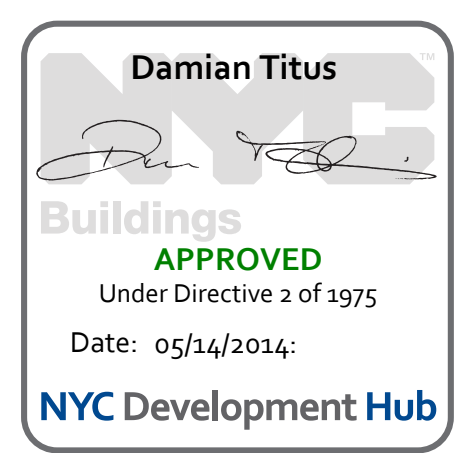


DETAIL AT RAMP

NOTE:
1. THIS DETAIL IS NOT APPLICABLE TO GENERAL RAISED SLAB AREA HIGHER THAN 4\"/>

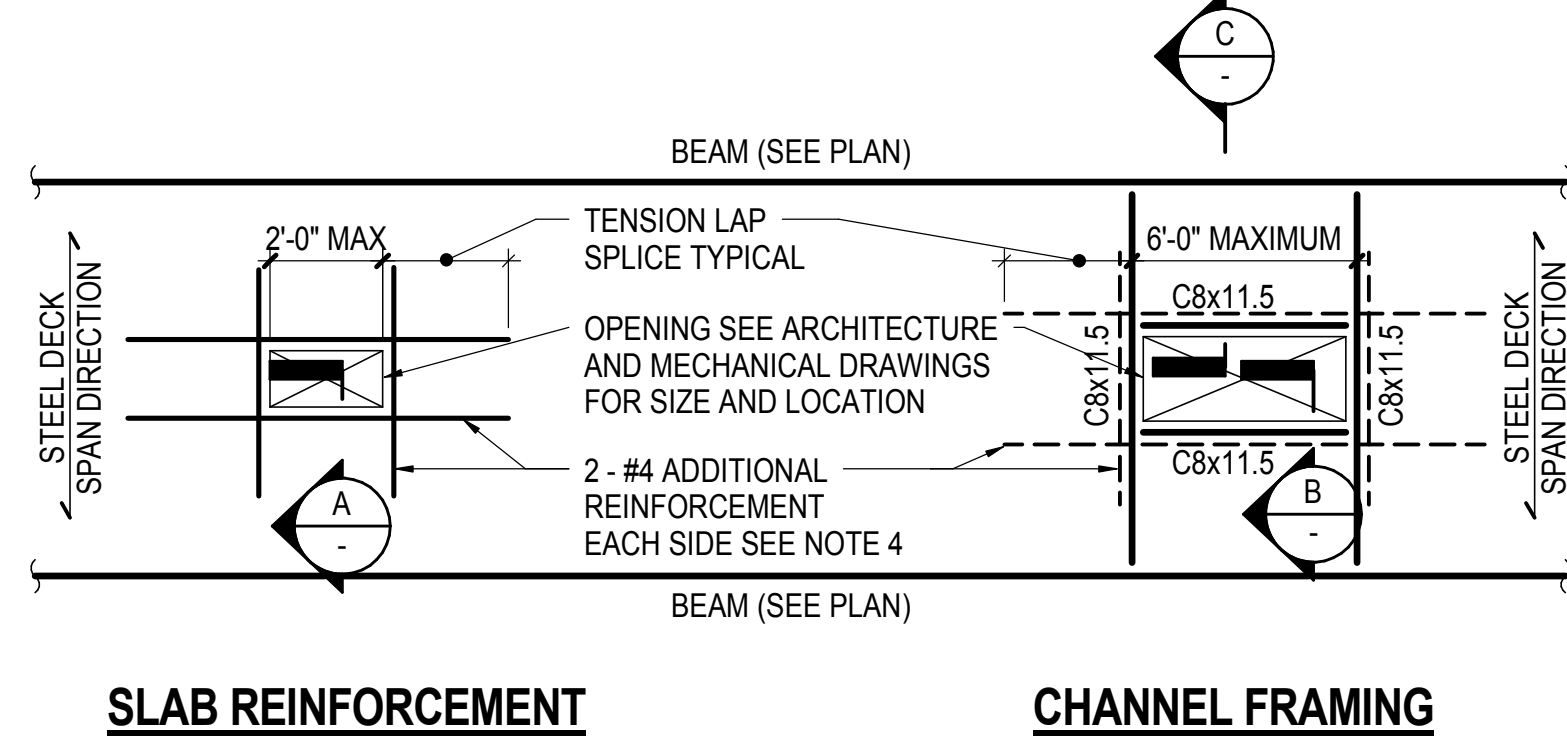
9 TYPICAL DETAIL OF CONCRETE FILL HOUSEKEEPING PAD/MECHANICAL PAD/RAMP
NOT TO SCALE

| THICKNESS | REINFORCEMENT |
|-----------|--------------------------------|
| ≤ 3" | WWR 6x6 - W2.9xW2.9 |
| ≤ 4" | WWR 6x6 - W4.0xW4.0 |
| ≤ 6" | #2 @ 10" TOP EACH WAY |
| ≤ 12" | #4 @ 12" TOP & BOTTOM EACH WAY |



NOTES:

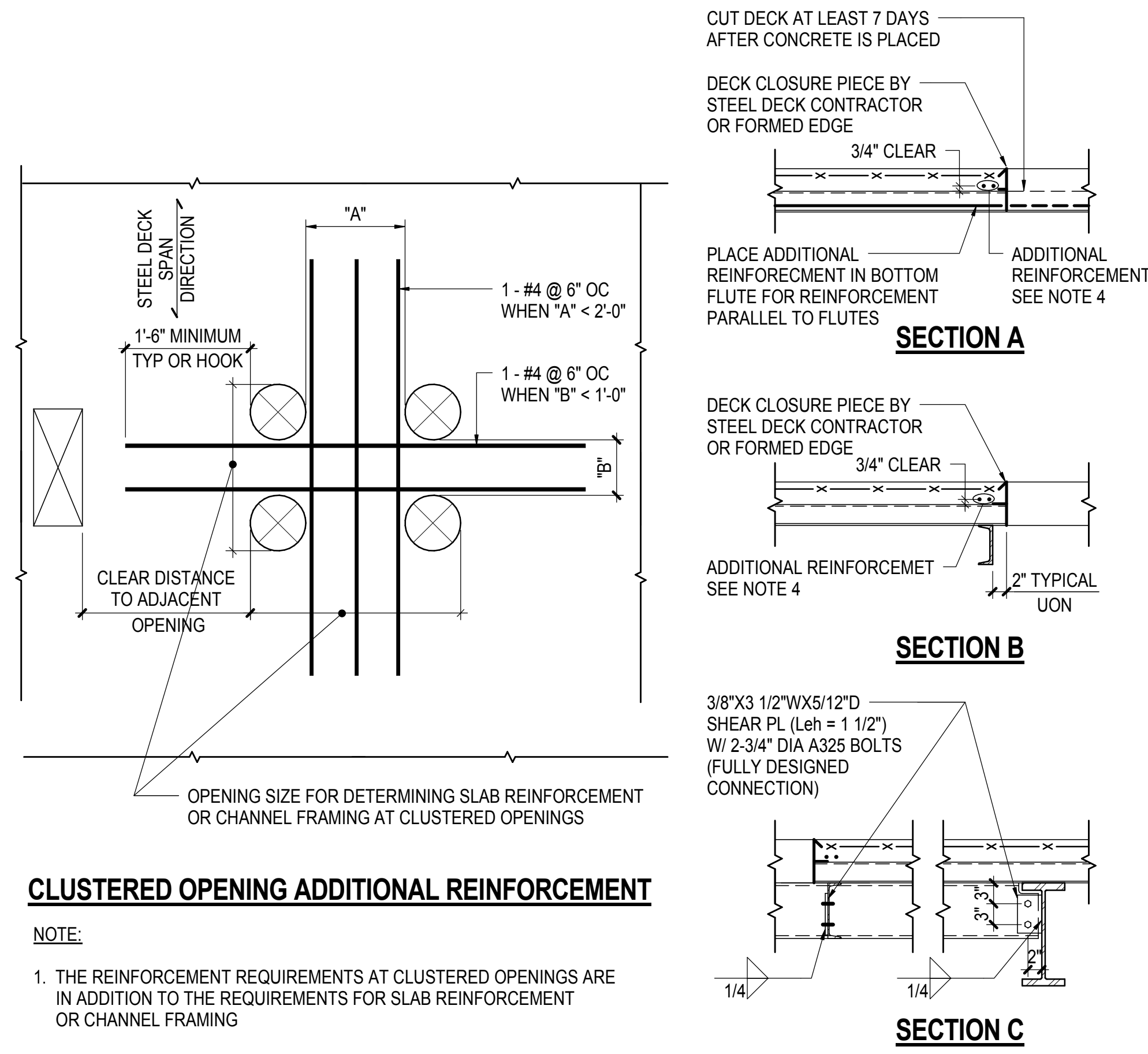
- NO REINFORCEMENT IS REQUIRED FOR OPENING SIZE LESS THAN 10' x 10' IF ALL OF THE FOLLOWING CRITERIA ARE MET:
 A.) STEEL DECK WILL BE CUT AT LEAST 7 DAYS AFTER PLACING OF CONCRETE
 B.) THE CLEAR DISTANCE TO THE ADJACENT OPENING OR OPENINGS IS 1'-0" OR MORE PARALLEL TO DECK SPAN AND 2'-0" OR MORE PERPENDICULAR TO DECK SPAN
- SLAB REINFORCEMENT OR CHANNEL FRAMING IS REQUIRED FOR OPENINGS THAT DO NOT SATISFY NOTE 1
- MULTIPLE OPENINGS THAT DO NOT SATISFY THE SPACING REQUIREMENTS OF NOTE 1 ARE TO BE CONSIDERED CLUSTERED OPENINGS AND SHALL RECEIVE CLUSTERED SLAB REINFORCEMENT OR CHANNEL FRAMING. CLUSTERS SHALL BE TREATED AS ONE LARGE OPENING FOR SLAB REINFORCEMENT OR CHANNEL FRAMING
- PROVIDE REINFORCEMENT SHOWN OR PROVIDE REINFORCEMENT BARS TO COMPENSATE FOR SLAB REINFORCEMENT INTERRUPTED AT OPENINGS, WHICHEVER IS LARGER. ALL INTERRUPTED BARS IN EACH DIRECTION SHALL BE COMPENSATED BY ADDITIONAL BARS AT EACH SIDE OF THE OPENING EQUAL TO 1/2 THE INTERRUPTED AREA
- ATTACH DECK TO CHANNELS (TYPICAL)
- IF SLEEVES ARE USED, THE SLEEVES ARE TO BE INSTALLED SUCH THAT STEEL DECK WILL BE CUT AT LEAST 7 DAYS AFTER PLACING OF CONCRETE



SLAB REINFORCEMENT CHANNEL FRAMING

1 TYPICAL COMPOSITE STEEL DECK AT OPENING

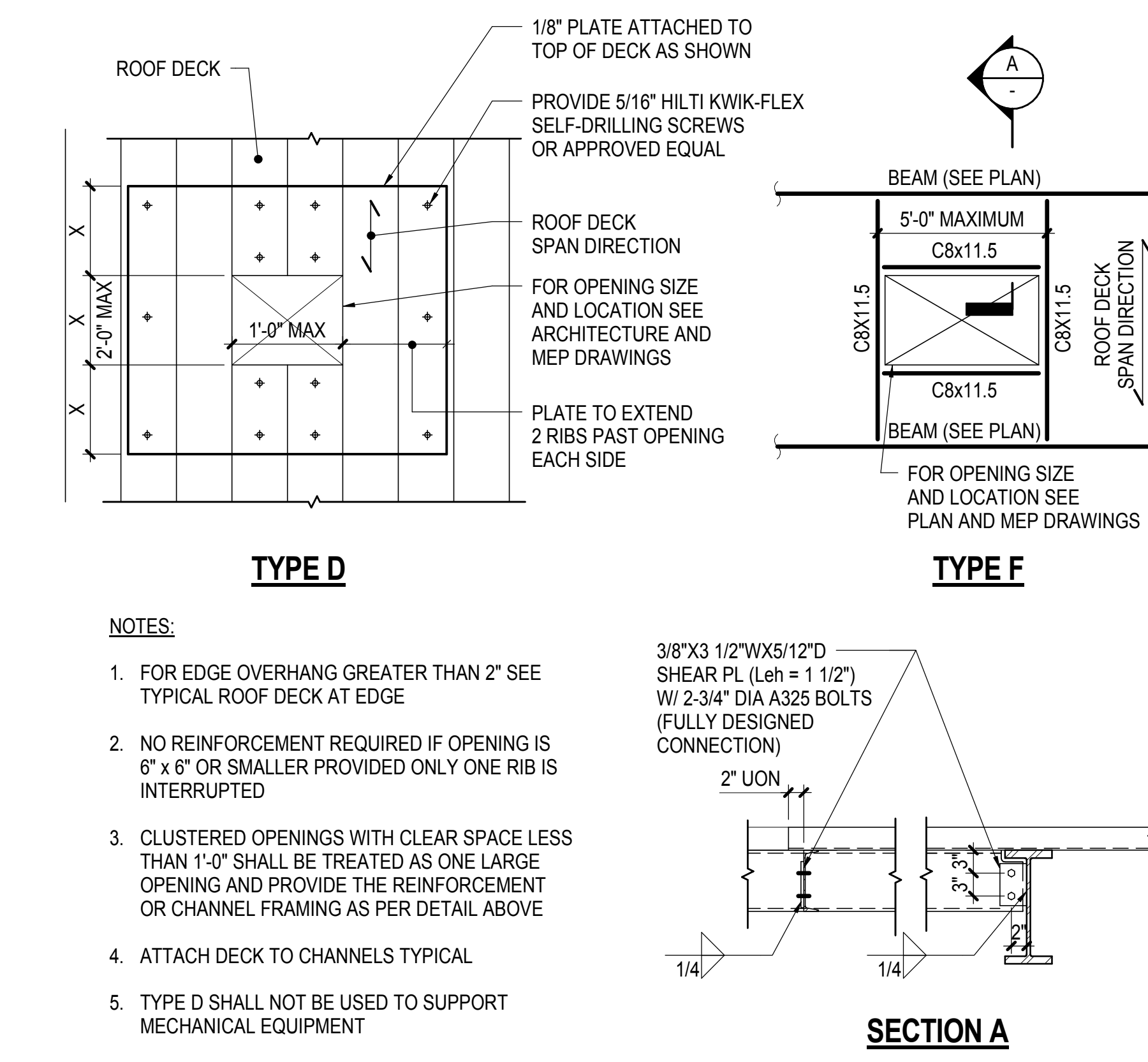
NOT TO SCALE



CLUSTERED OPENING ADDITIONAL REINFORCEMENT

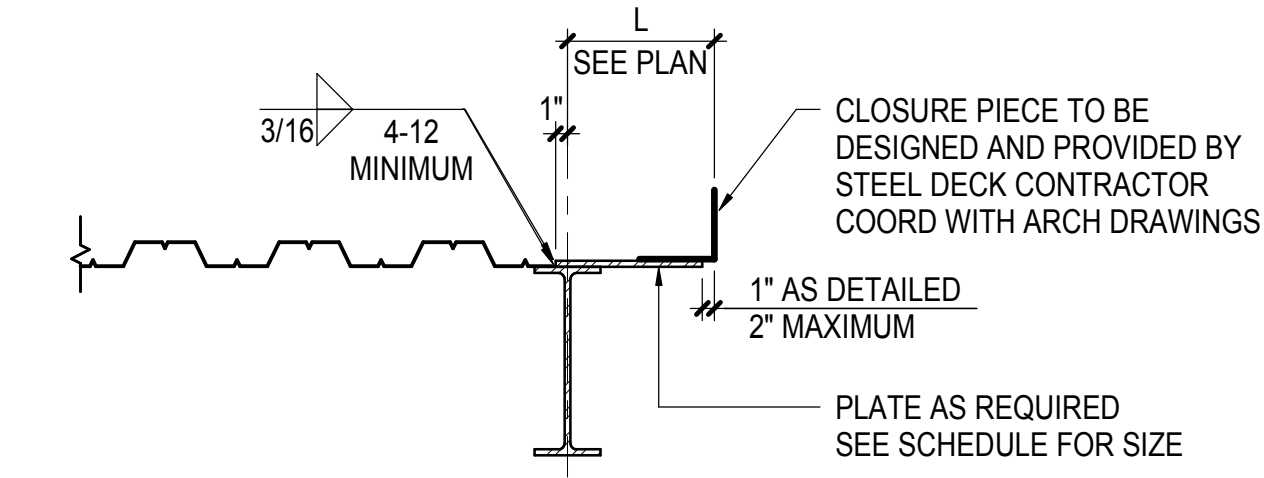
NOTE:

- THE REINFORCEMENT REQUIREMENTS AT CLUSTERED OPENINGS ARE IN ADDITION TO THE REQUIREMENTS FOR SLAB REINFORCEMENT OR CHANNEL FRAMING



2 TYPICAL ROOF DECK AT OPENING

NOT TO SCALE

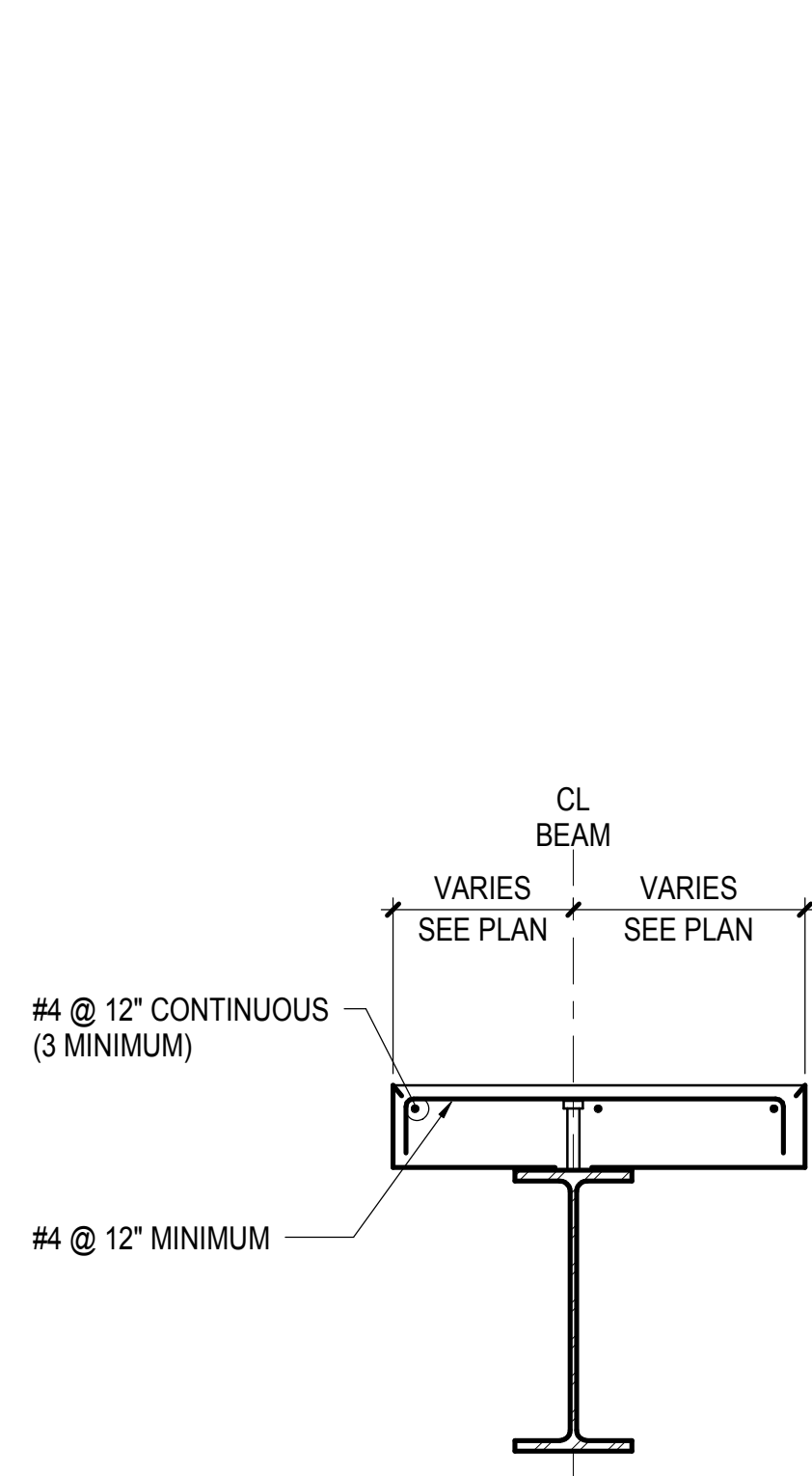


| L | THICKNESS OF PLATE OR CLOSURE |
|----------|-------------------------------|
| ≤ 1'-4" | 1/4" |
| ≤ 1'-0" | 10 GAGE |
| ≤ 0'-10" | 12 GAGE |

NOTE: AT CONTRACTOR'S OPTION SINGLE BENT PL (OR EQUIV ANGLE) MAY BE USED PROVIDED IT IS FIELD INSTALLED AND ACCOMMODATES SLAB EDGE TOLERANCES

3 TYPICAL ROOF DECK AT EDGE

NOT TO SCALE

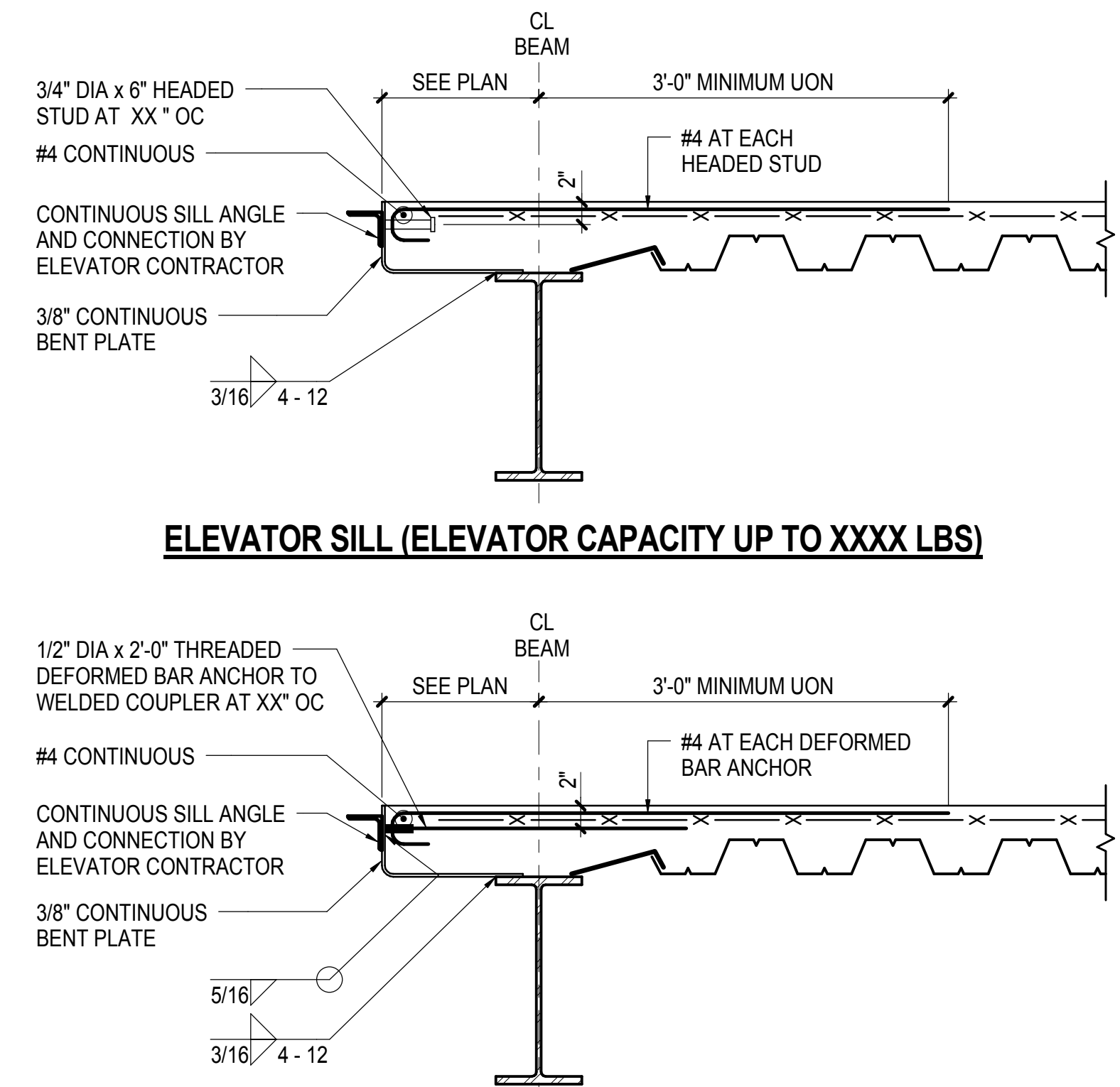


NOTE:

- SEE TYPICAL COMPOSITE STEEL DECK AT SLAB EDGE (DECK PARALLEL CONDITION) FOR CANTILEVER PLATE, POUR STOP AND REINFORCEMENT REQUIREMENTS

4 TYPICAL COMPOSITE STEEL DECK BETWEEN OPENINGS

NOT TO SCALE



ELEVATOR SILL (ELEVATOR CAPACITY UP TO XXXX LBS)

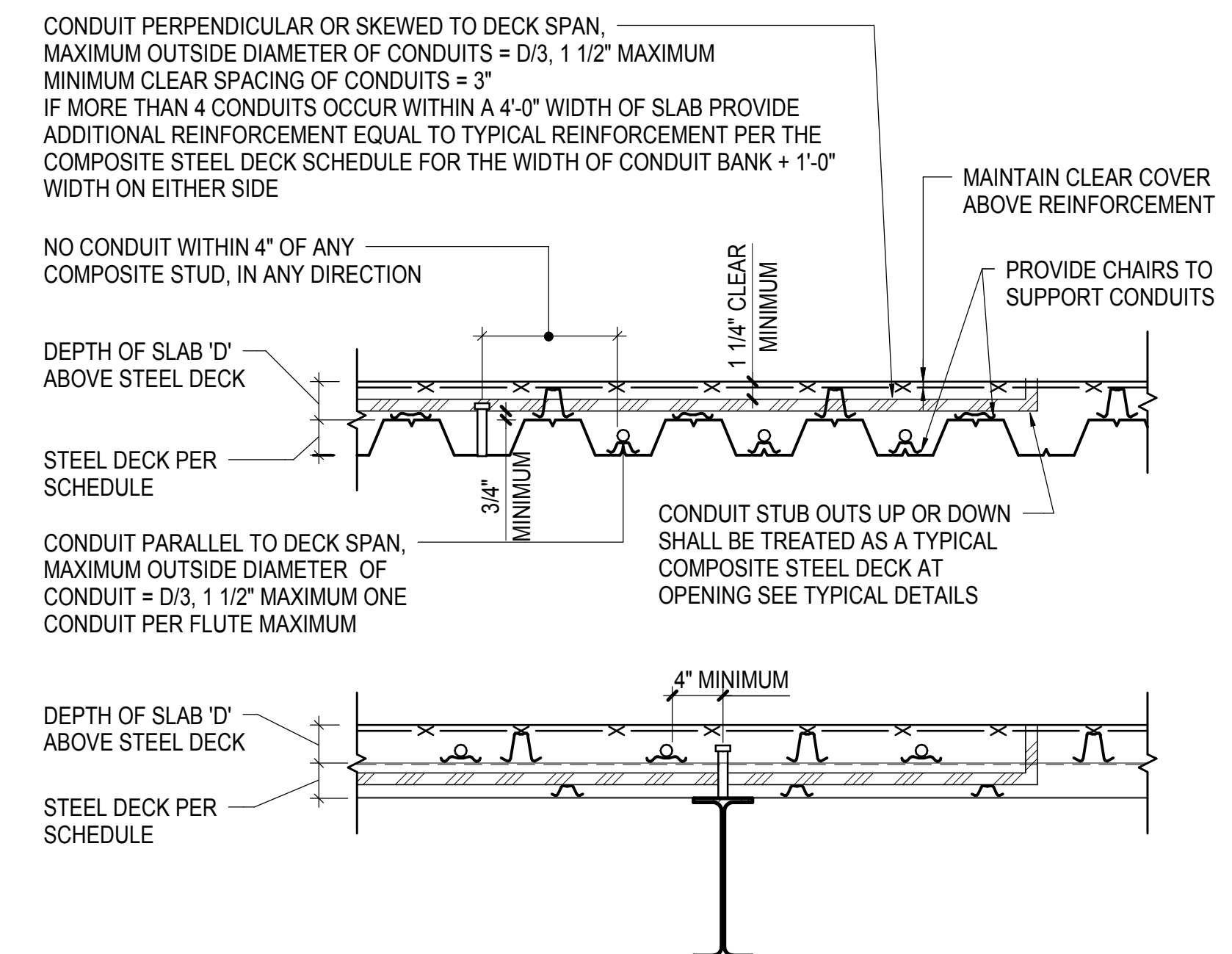
ELEVATOR SILL (ELEVATOR CAPACITY UP TO XXXX LBS)

NOTE:

- SEE TYPICAL SLAB EDGE DETAILS FOR ADDITIONAL INFORMATION

5 TYPICAL ELEVATOR SILL DETAIL

NOT TO SCALE

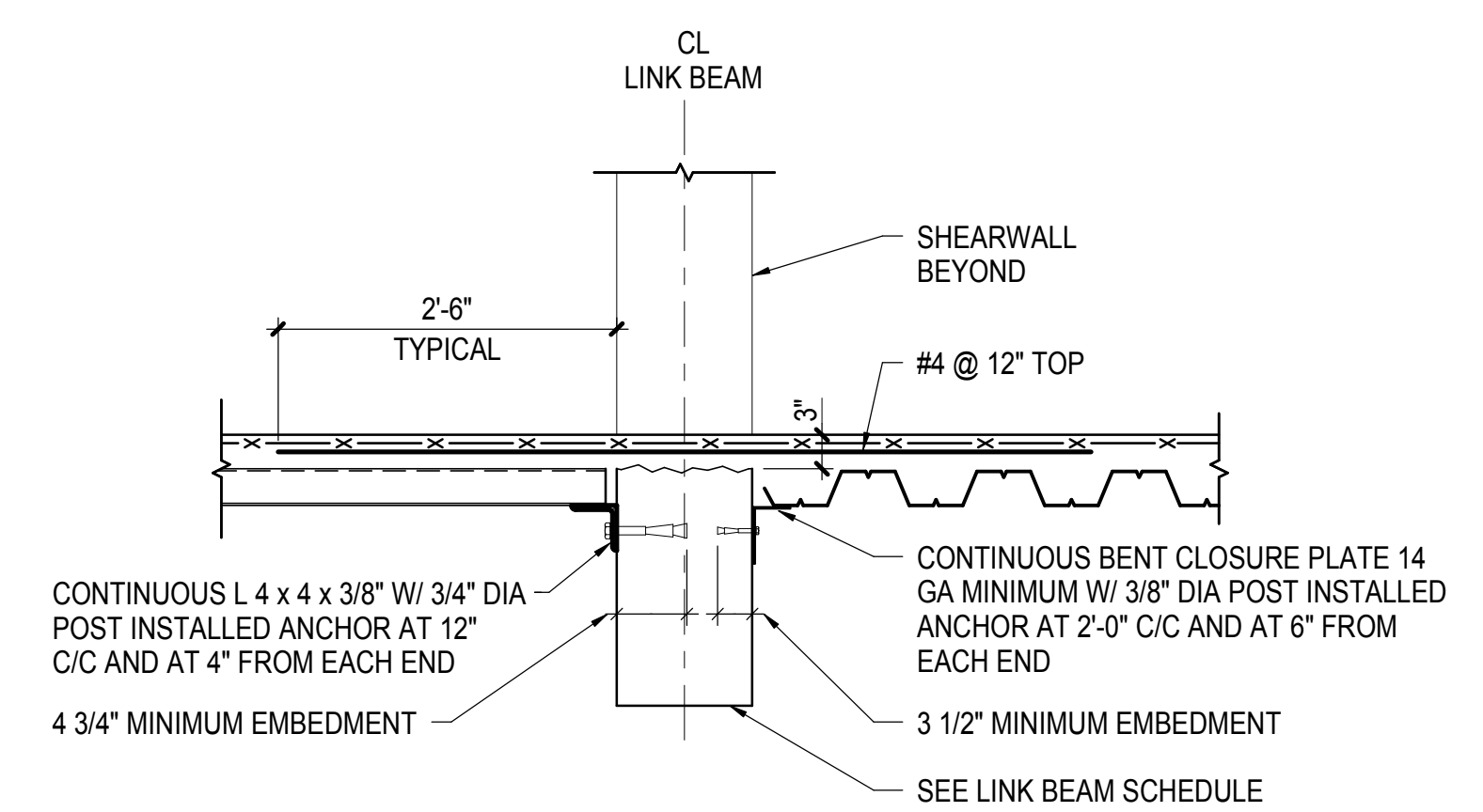


NOTES:

- CONDUITS ARE PERMITTED IN DECK SLABS SUBJECT TO LOCAL CODE REQUIREMENTS AND FIRE RATING CONSIDERATIONS
- MEP CONTRACTOR TO COORDINATE LOCATIONS AND QUANTITIES OF CONDUITS WITH REQUIREMENTS INDICATED ON THIS DETAIL ANY DEVIATION SHALL BE SUBMITTED TO SER FOR APPROVAL OF LOCATIONS

6 TYPICAL DETAIL OF EMBEDDED CONDUITS IN SLAB

NOT TO SCALE

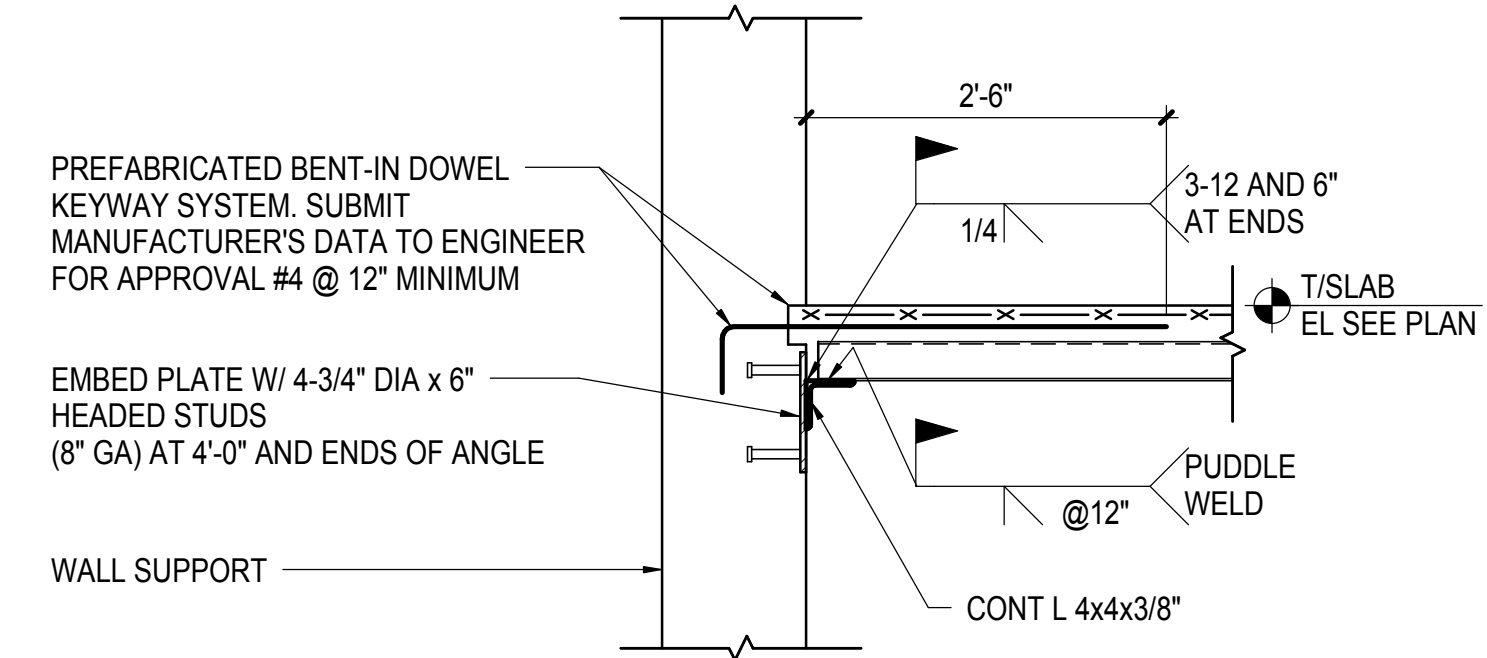


NOTE:

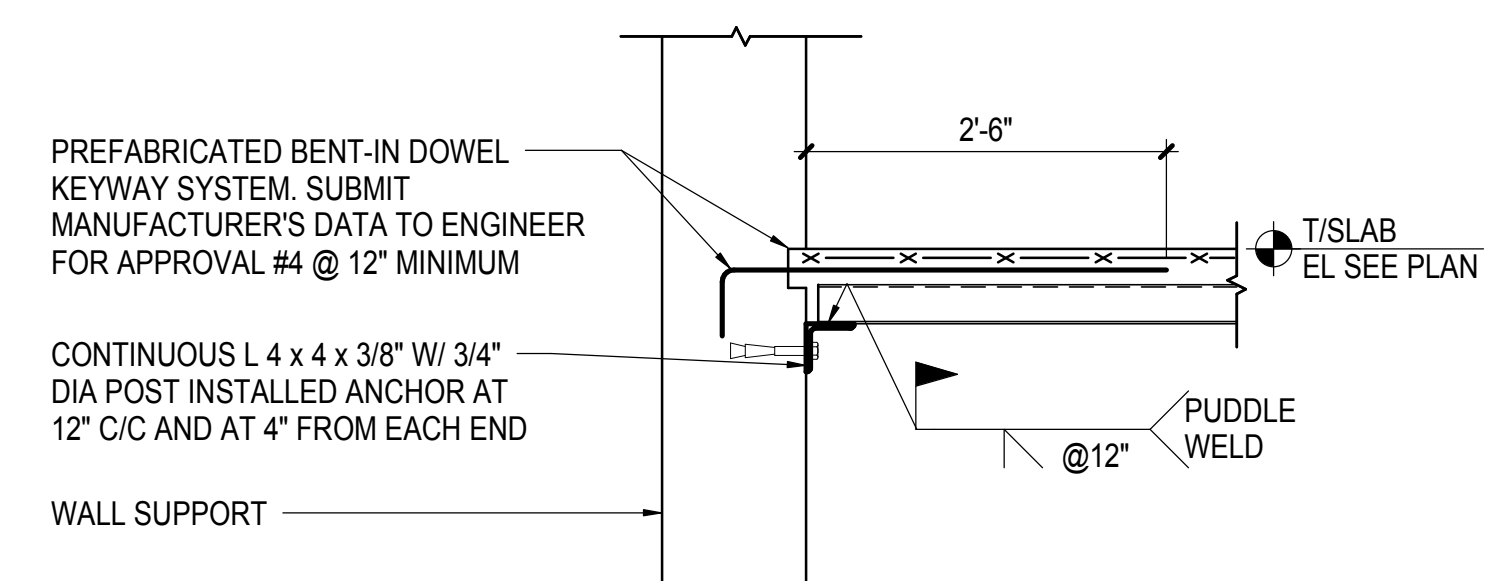
- SEE TYPICAL LINK BEAM SECTION FOR ADDITIONAL INFORMATION

7 TYPICAL COMPOSITE STEEL DECK DETAIL AT LINK BEAM SUPPORT

NOT TO SCALE



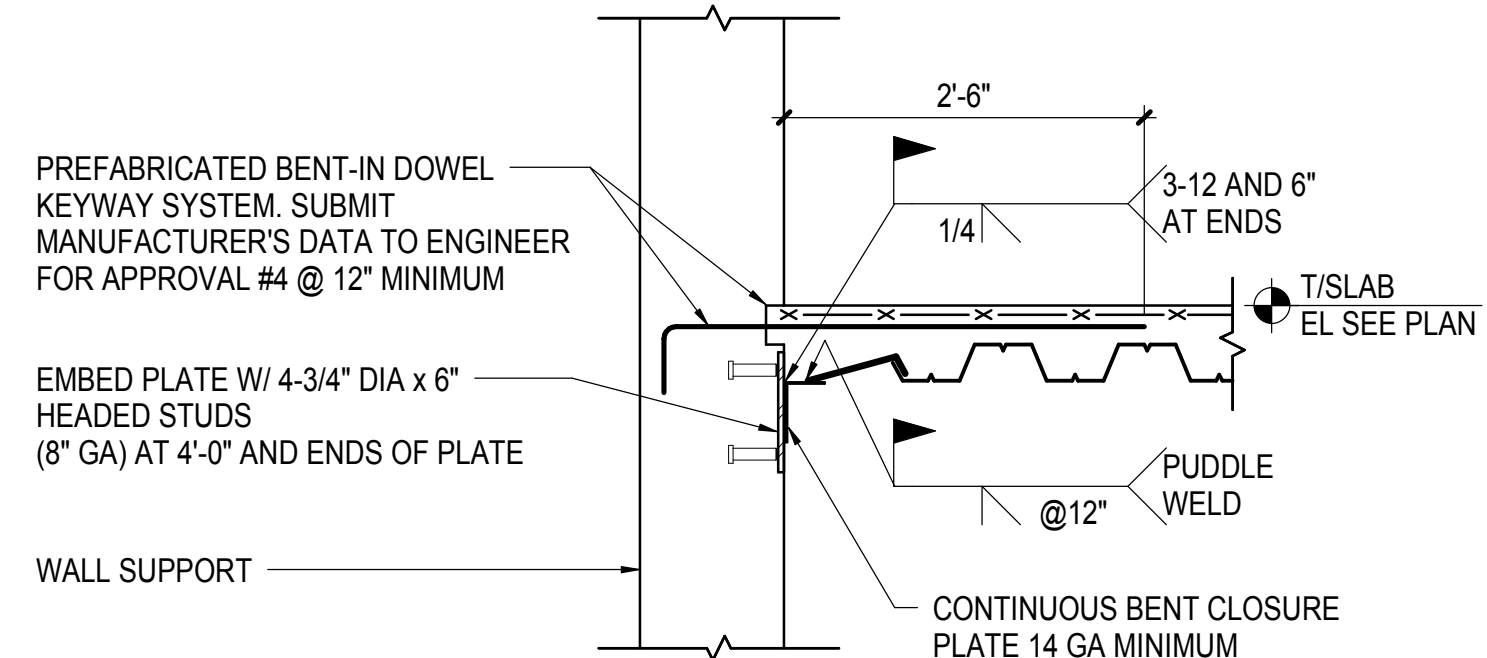
OPTION A - DECK SPAN PERPENDICULAR TO WALL SUPPORT



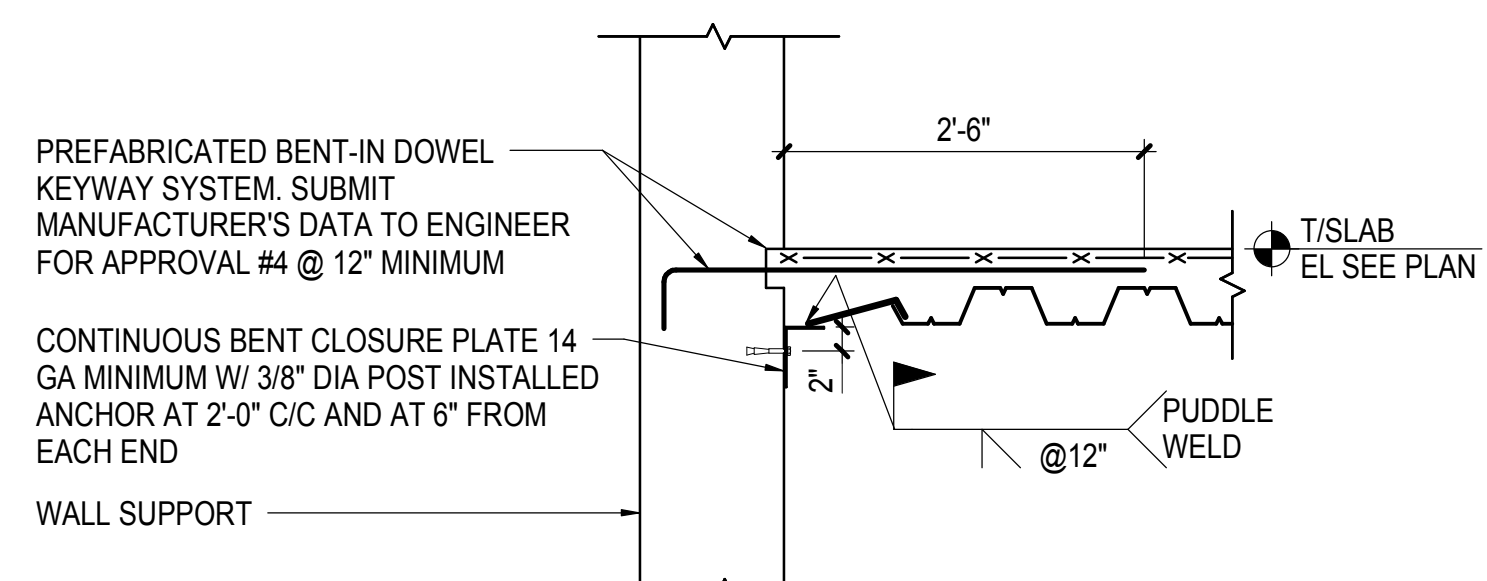
OPTION B - DECK SPAN PARALLEL TO WALL SUPPORT

8 TYPICAL COMPOSITE STEEL DECK DETAILS AT WALL SUPPORT - SECTION

NOT TO SCALE



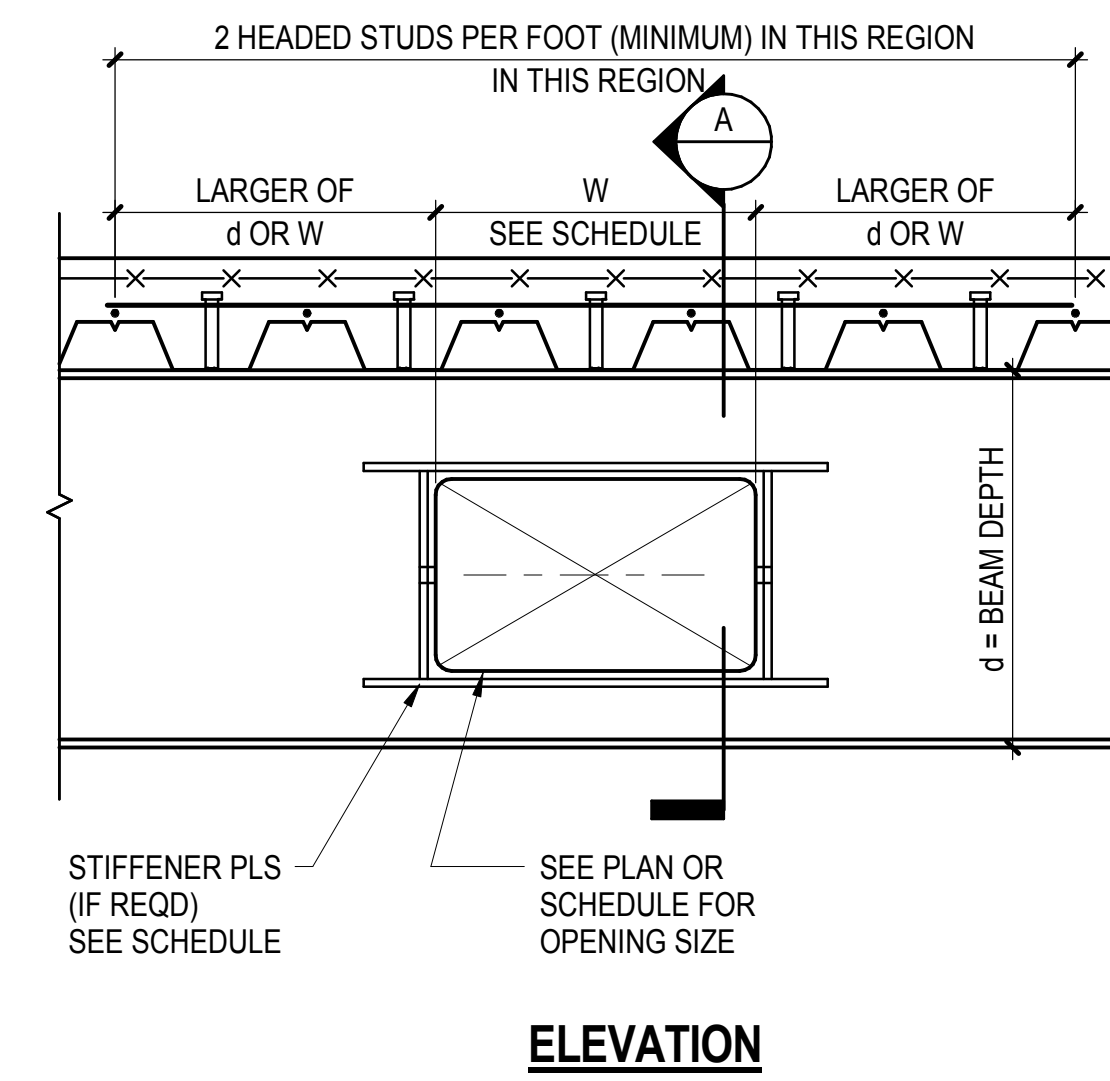
OPTION A - DECK SPAN PARALLEL TO WALL SUPPORT



OPTION B - DECK SPAN PERPENDICULAR TO WALL SUPPORT

9 TYPICAL COMPOSITE STEEL DECK DETAILS AT WALL SUPPORT - SECTION

NOT TO SCALE



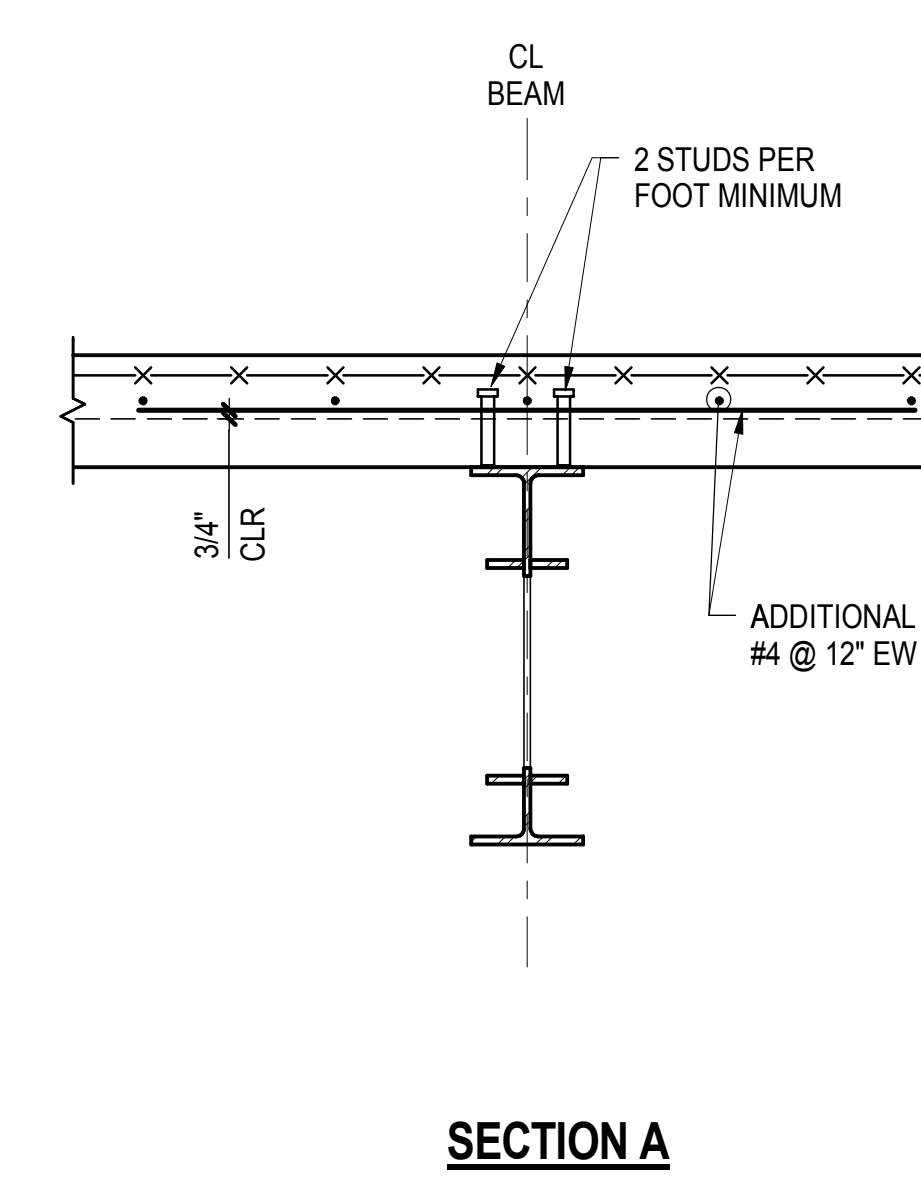
ELEVATION

NOTES:

- SEE BEAM WEB PENETRATION SCHEDULE AND TYPICAL STEEL BEAM DETAILS FOR ADDITIONAL INFORMATION
- THIS DETAIL APPLIES WHERE SPECIFICALLY INDICATED IN BEAM WEB PENETRATION SCHEDULE

10 TYPICAL COMPOSITE STEEL DECK DETAIL AT BEAM WEB PENETRATIONS WITH ADDITIONAL STUDS AND SLAB REINFORCEMENT

NOT TO SCALE

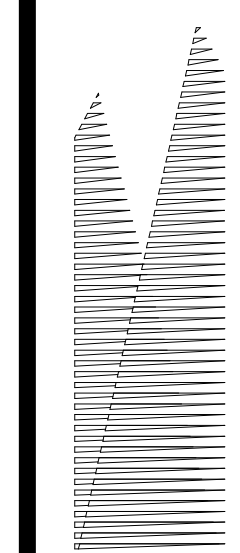


SECTION A

Damian Titus
 Building APPROVED
 Under Directive 3 of 1975
 Date: 05/14/2014
 NYC Development Hub

HUDSON YARDS PLATFORM

Address
 530 WEST 33RD STREET
 NEW YORK, NY



Client
 Related Companies
 60 Columbus Circle
 New York, NY 10023
 Tel: 212.801.1000 Fax: 212.801.1048

Owned Properties Group
 320 Park Avenue, 17th Floor
 New York, NY 10022
 Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
 Fishman Construction Corporation
 100 Park Avenue, 5th Floor
 New York, NY 10017
 Tel: 212.708.3600

Architect
 Kohn Pedersen Fox Associates PC
 PC Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
 Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
 Thornton Tomasetti, Inc.
 51 Madison Avenue
 New York, NY 10010
 Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
 Fire Alarm, Fire Protection, Security
 Parsons Transportation Group
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LIRR Ventilation
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 Tel: 212.896.3000

LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 Tel: 212.973.9200 Fax: 212.682.6172

| NYC DOB FILING | 12/4/2013 |
|-------------------------------------|------------|
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&U - PLATFORM SUBMISSION | |
| A - D1-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| A - D1-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 60% SUBMISSION | 5/29/2013 |
| LIRR - 60% - PHASE I FDS | 3/29/2013 |
| LIRR - 30% SUBMISSION | 2/15/2013 |
| NYC DOB FILING | 06/20/2013 |

Rev Plot

Date: 12/14/2012

Project No: N11330.00

Drawn By: Author

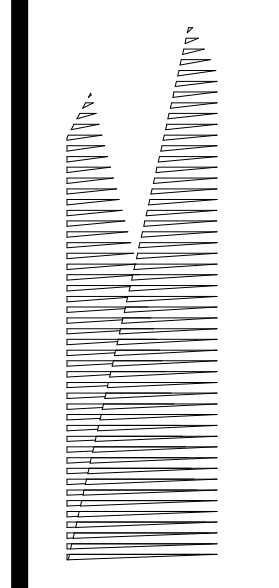
Sheet Number: HYE - PL - S-723.00

Drawing Title: TYPICAL COMPOSITE STEEL DECK DETAILS IV

NYC Development Hub
 APPROVED
 Under Directive 3 of 1975
 Date: 05/14/2014

Drawing Number: /B/S/C/S/ Drawing Number
S-723.00

SHEET 179 OF 201



Client
Related Companies
60 Columbus Circle
New York, NY 10023
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Owned Properties Group
320 Park Avenue, 17th Floor
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Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

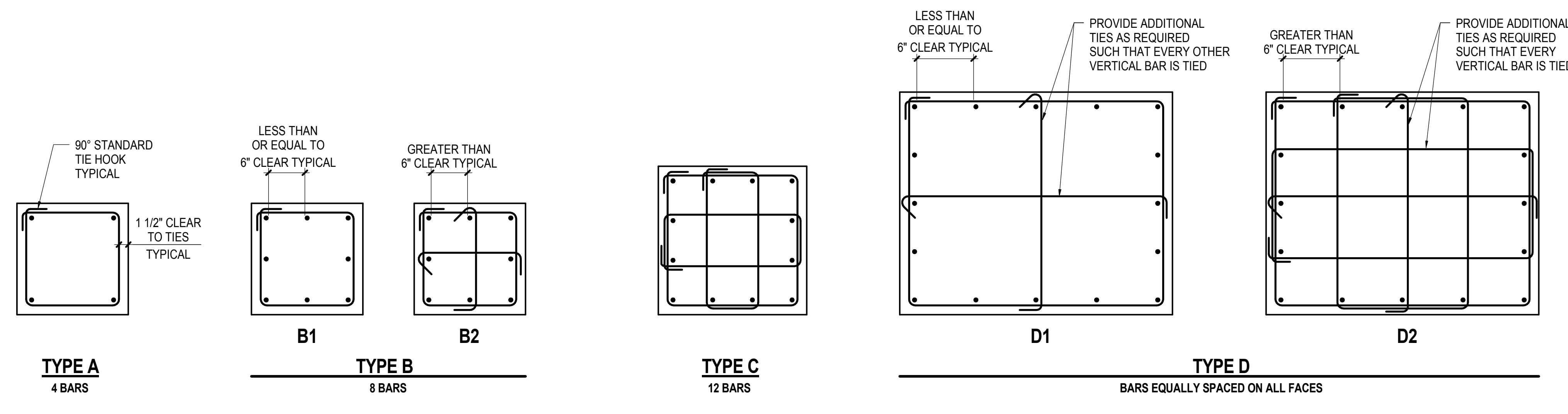
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
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Civil, Mechanical, Electrical, Plumbing,
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Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

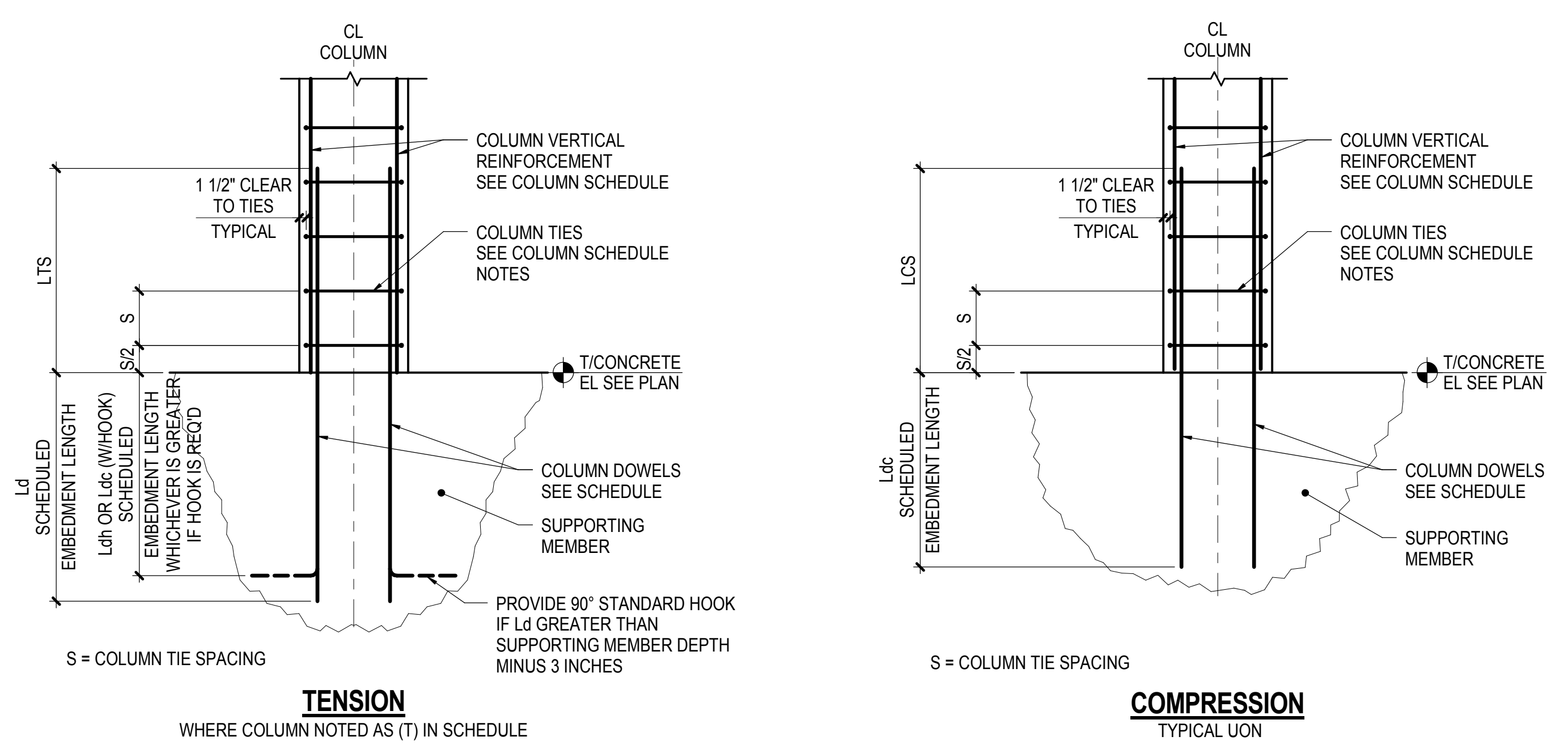
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



- NOTES:**
- FOR ALL TYPES STAGGER ALL TIE HOOKS
 - FOR TYPE D TOTAL NUMBER OF BARS SHOULD BE SPACED AROUND PERIMETER IN SUCH A WAY AS TO ACHIEVE APPROXIMATELY EQUAL SPACING
 - FOR TYPE G TOTAL NUMBER OF BARS SHOULD BE SPACED AROUND PERIMETER IN SUCH A WAY AS TO ACHIEVE EQUAL SPACING ON THE TWO LONG SIDES

1 COLUMN TYPES - BAR ARRANGEMENT
NOT TO SCALE



2 TYPICAL BOTTOM OF COLUMN
NOT TO SCALE

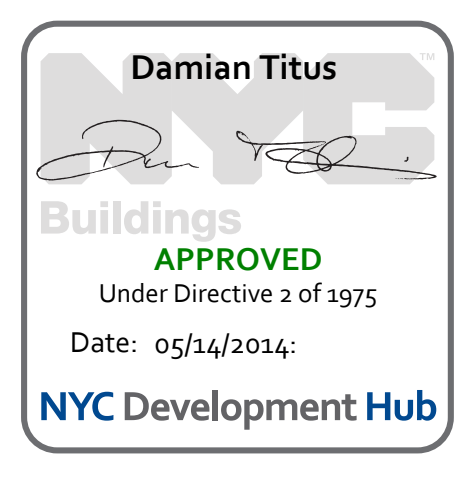
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|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| MdE - PLATFORM SUBMISSION | |
| DL-02 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DL-01 PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| NYC Description | 206 |

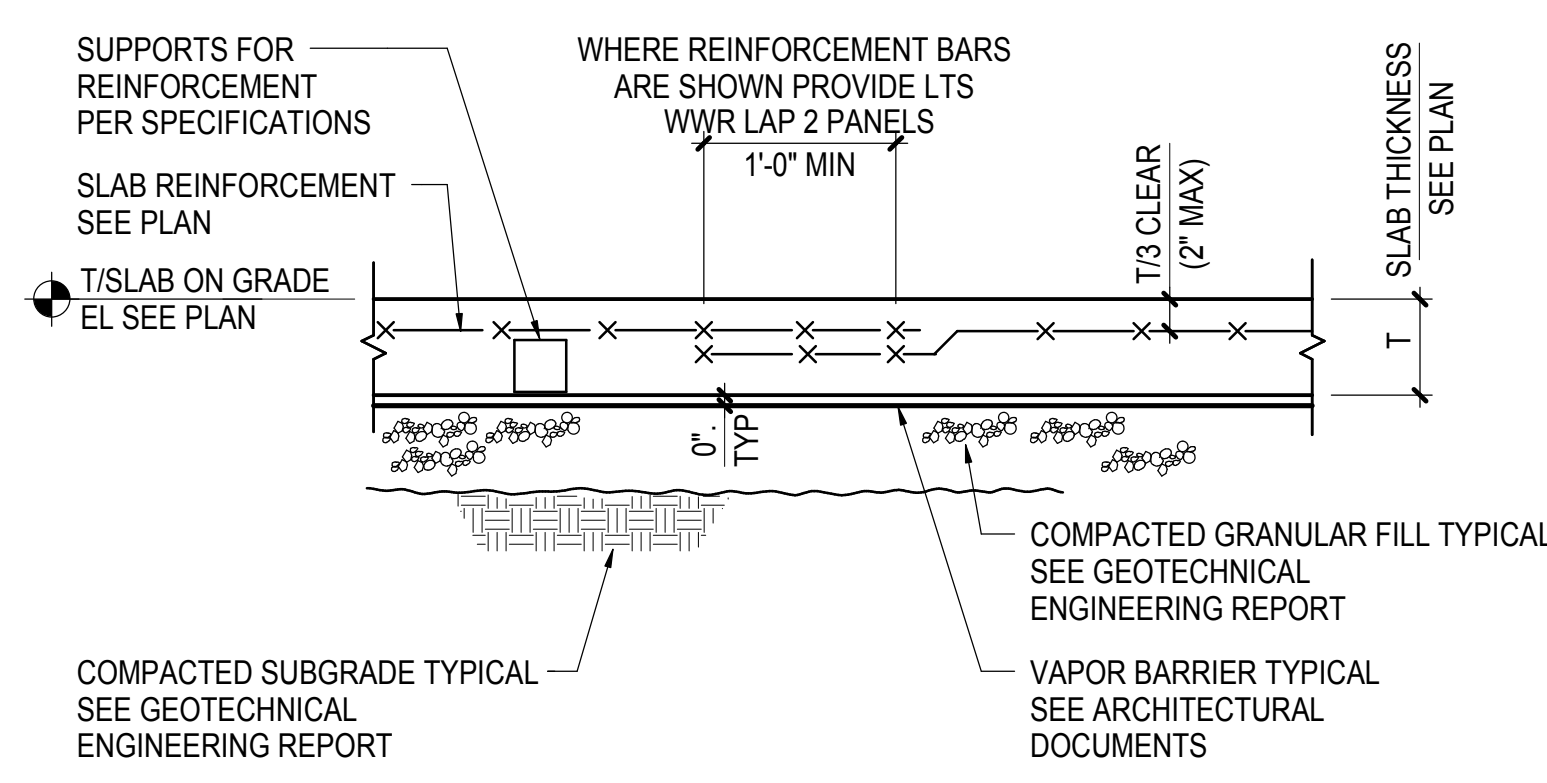
Rev. Plot

Date: 08/09/2013
Project No: N11330.00
Drawn By: Author
Sheet Number: 182

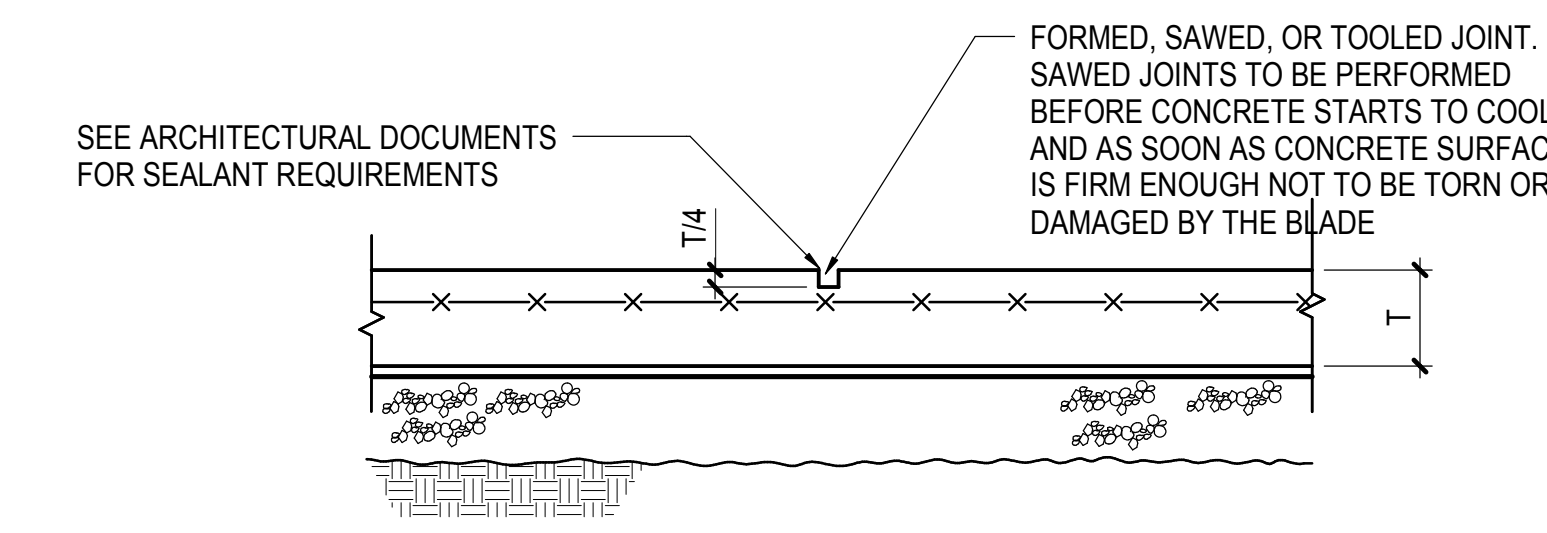
HYE-PL-S-732.00
Drawing Title
TYPICAL CONCRETE COLUMN PIER DETAILS

Drawing Number / B/S/C/S Drawing Number
S-732.00
SHEET 182 OF 201

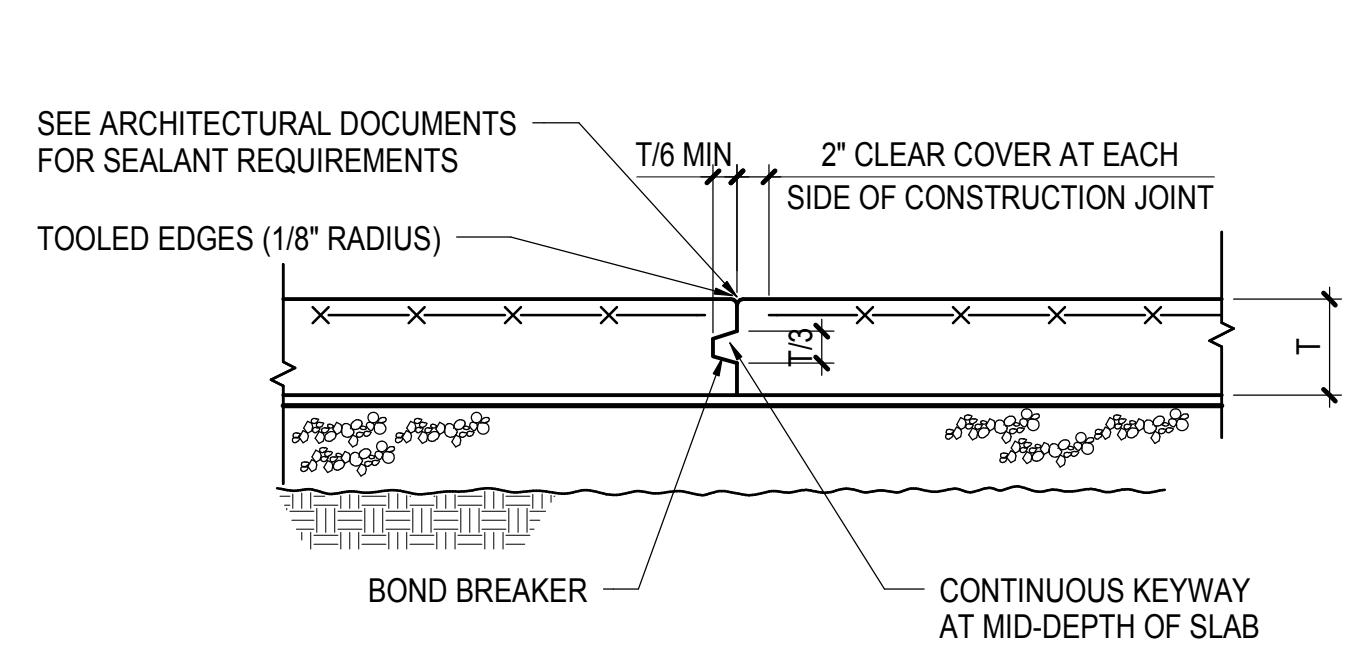




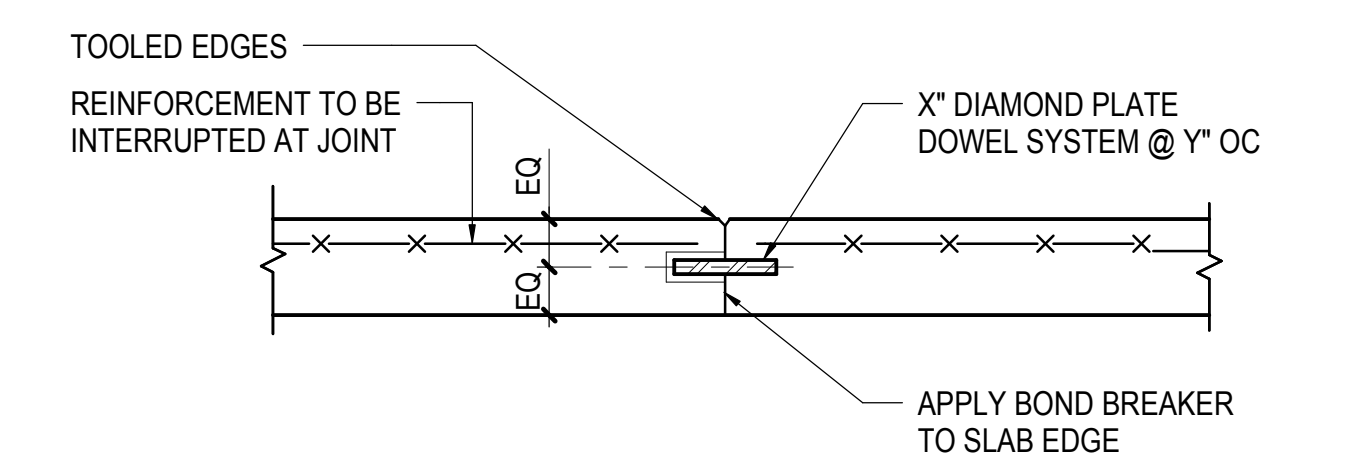
SLAB ON GRADE



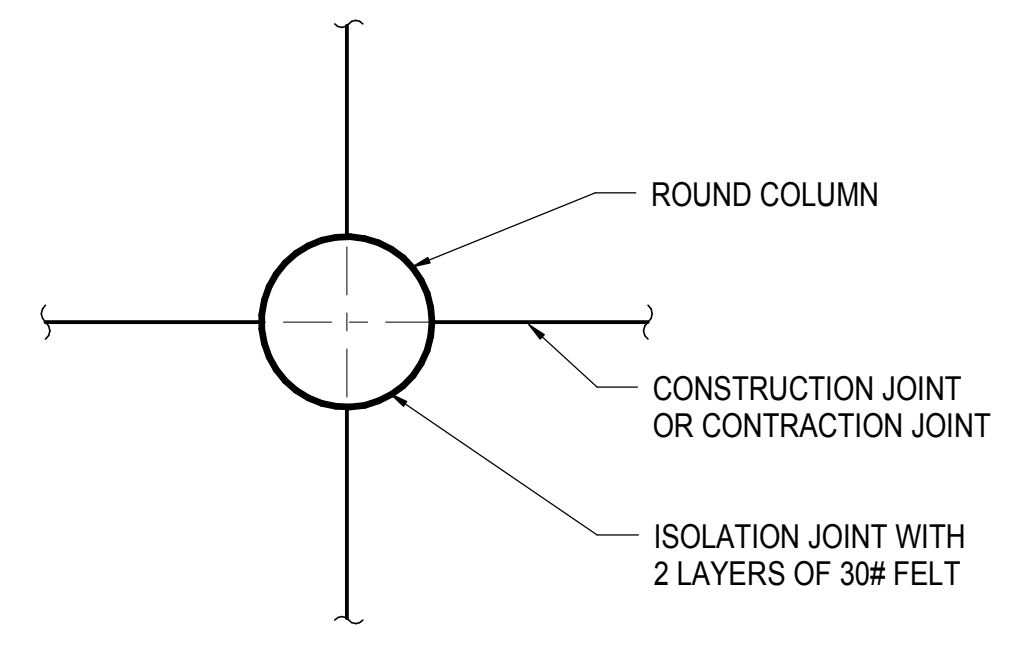
CONTRACTION JOINT



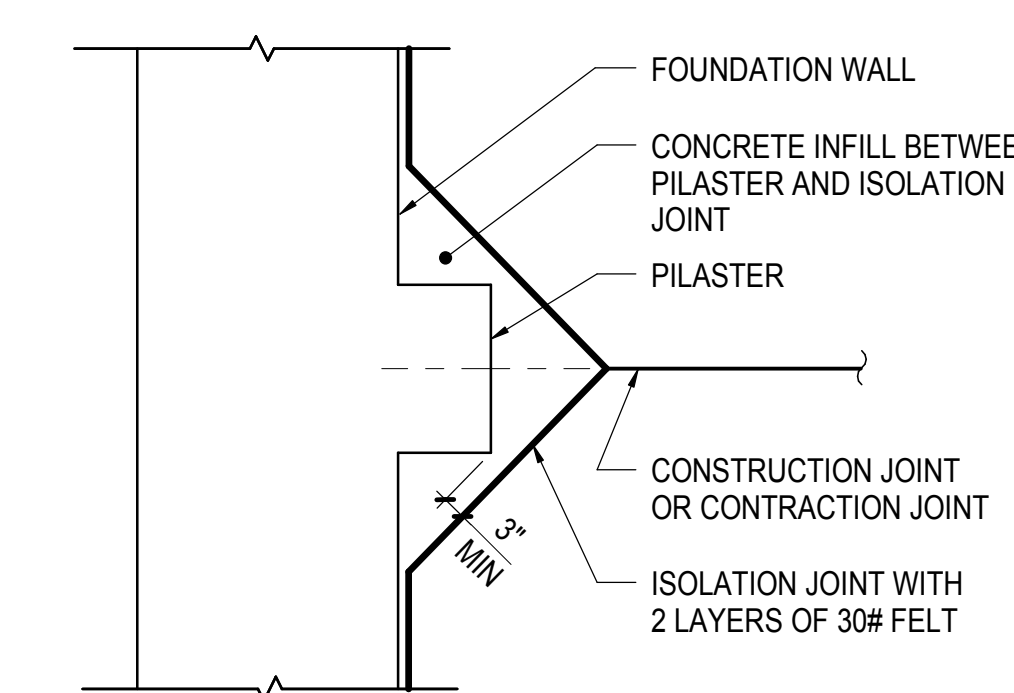
CONSTRUCTION JOINT



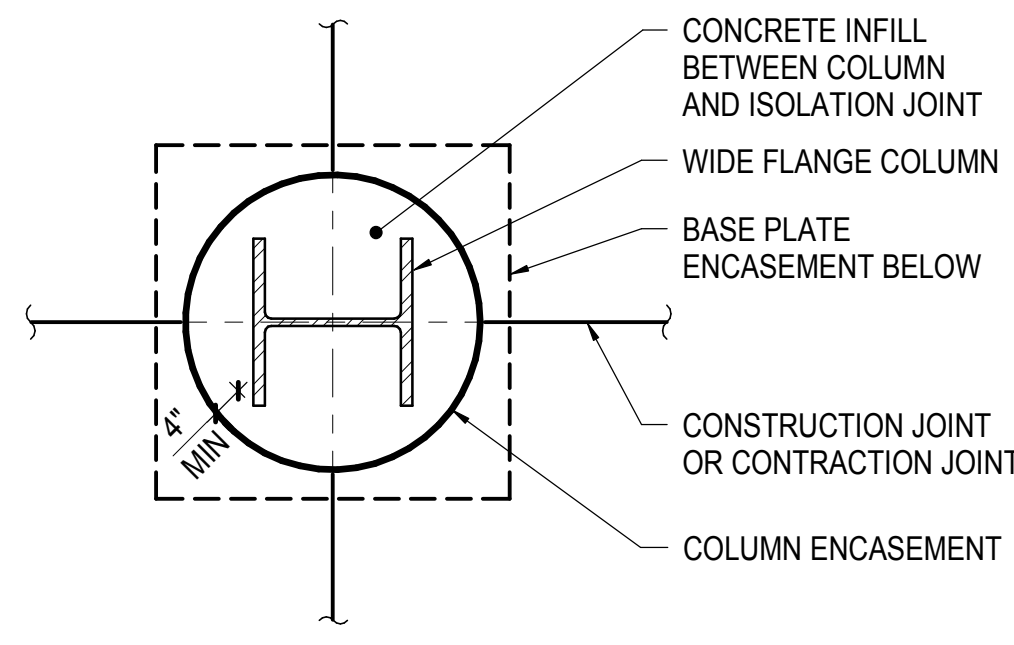
DOWELED CONSTRUCTION JOINT (WHERE INDICATED ON PLAN)



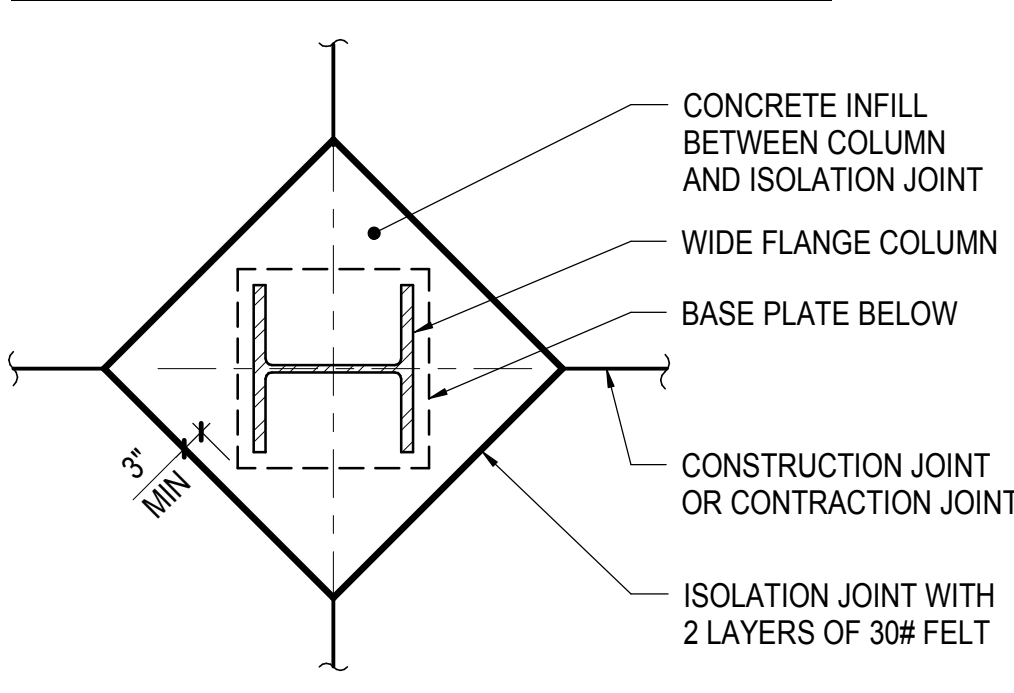
ROUND COLUMN



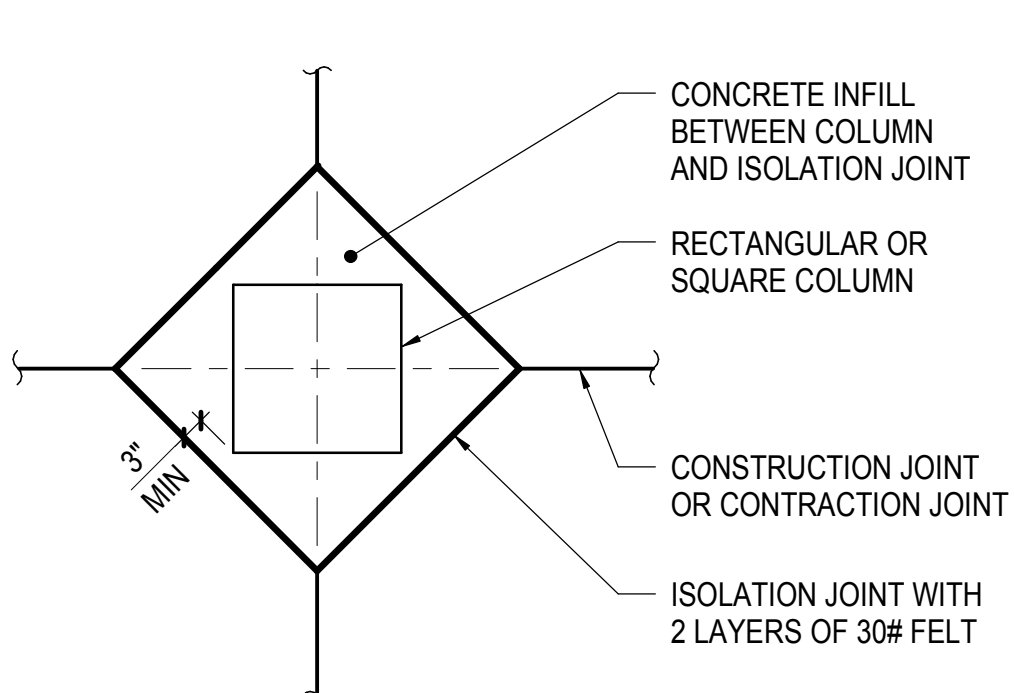
PILASTER



CONCRETE ENCASED COLUMN AND BASE PLATE WHERE INDICATED ON PLAN



TYPICAL BASE PLATE WITHIN CONCRETE INFILL UON



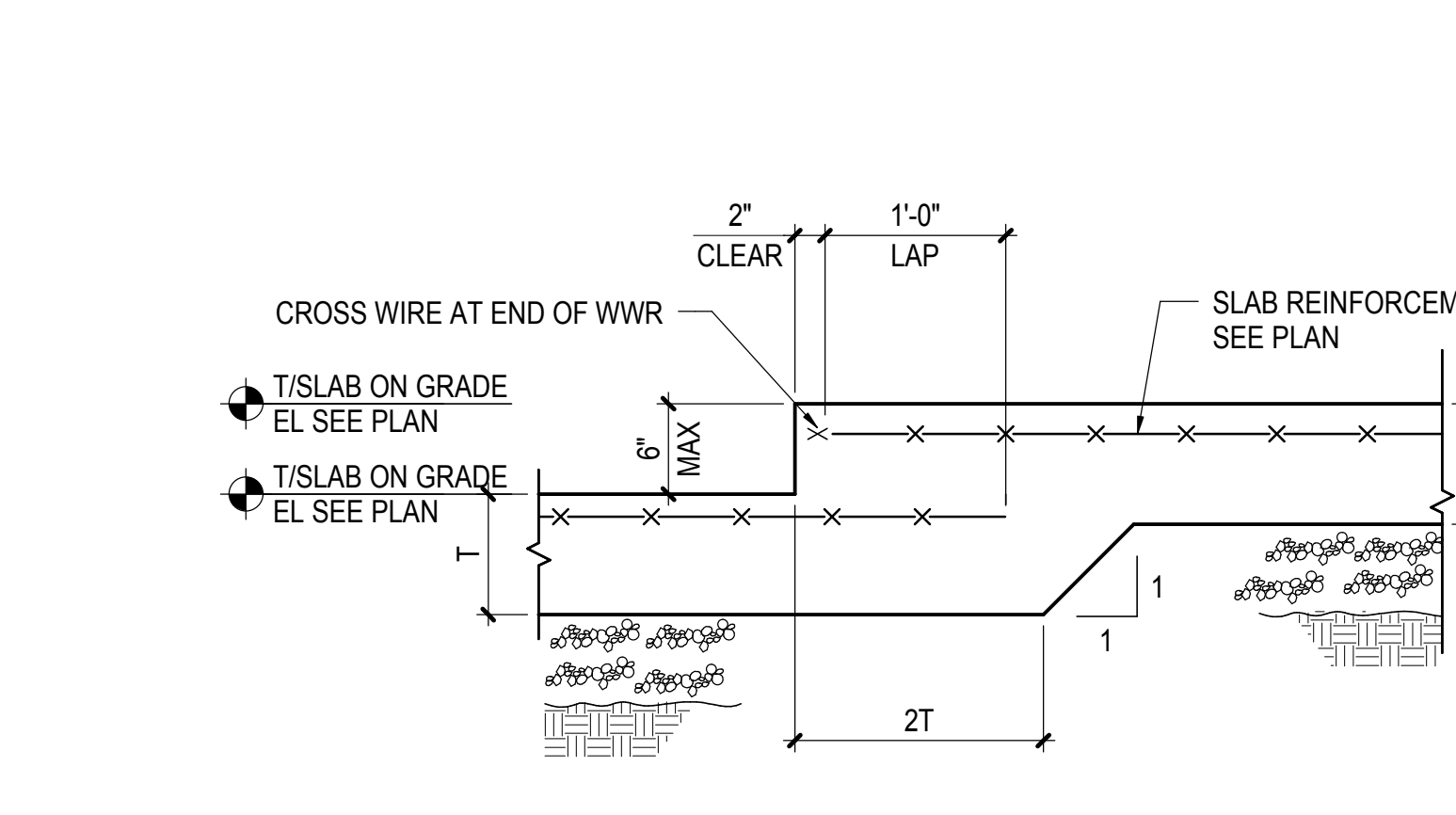
RECTANGULAR OR SQUARE COLUMN

NOTE:
1. WHERE NOT INDICATED ON DRAWINGS PROVIDE JOINTS AT COLUMN CENTERLINES AND BETWEEN COLUMN CENTERLINES WITH SPACING OF JOINTS NOT TO EXCEED 36 TIMES THE SLAB THICKNESS (T-INCHES)

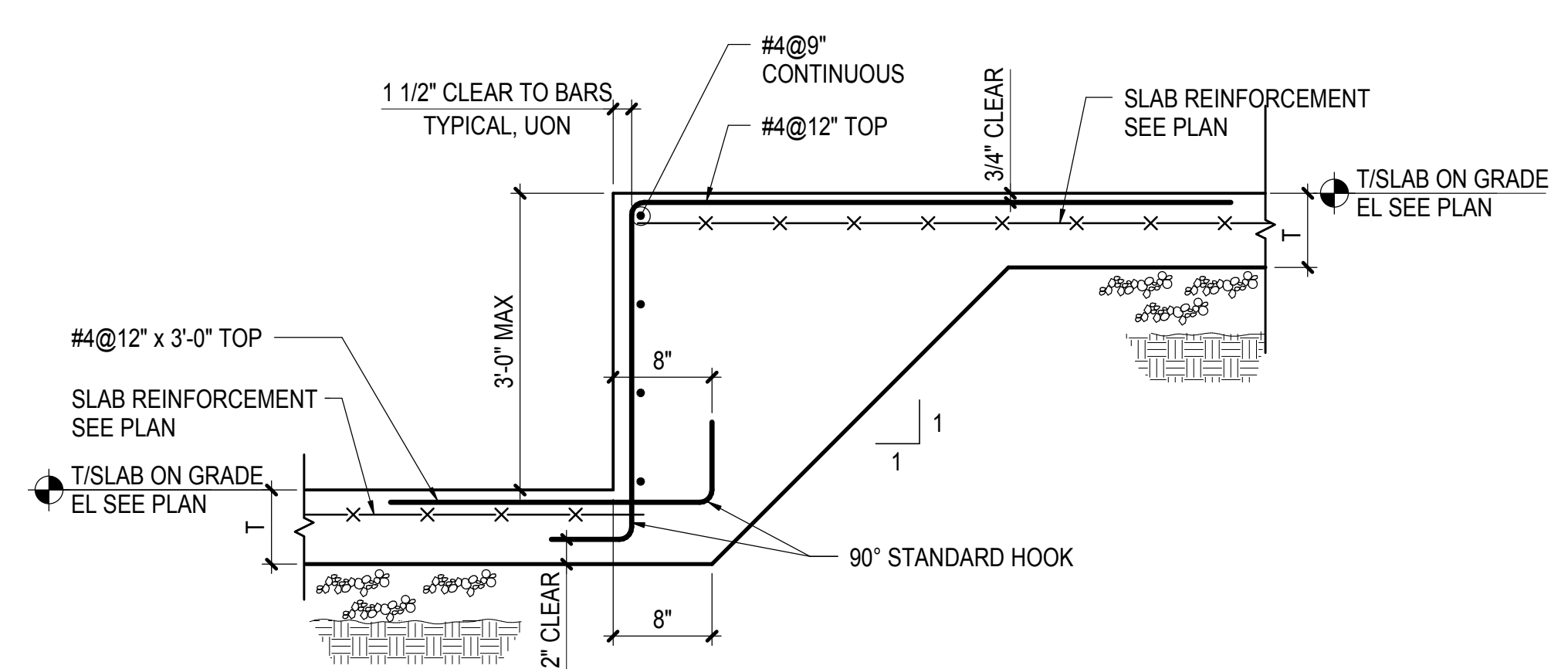
NOTES:
1. SEE TYPICAL SLAB ON GRADE DETAILS FOR JOINT SPACING REQUIREMENTS
2. CONCRETE INFILL BETWEEN COLUMN AND ISOLATION JOINT TO BE POURED AFTER ALL THE SLABS SUPPORTED BY THE COLUMN HAVE BEEN POURED

1 TYPICAL SLAB ON GRADE DETAILS
NOT TO SCALE

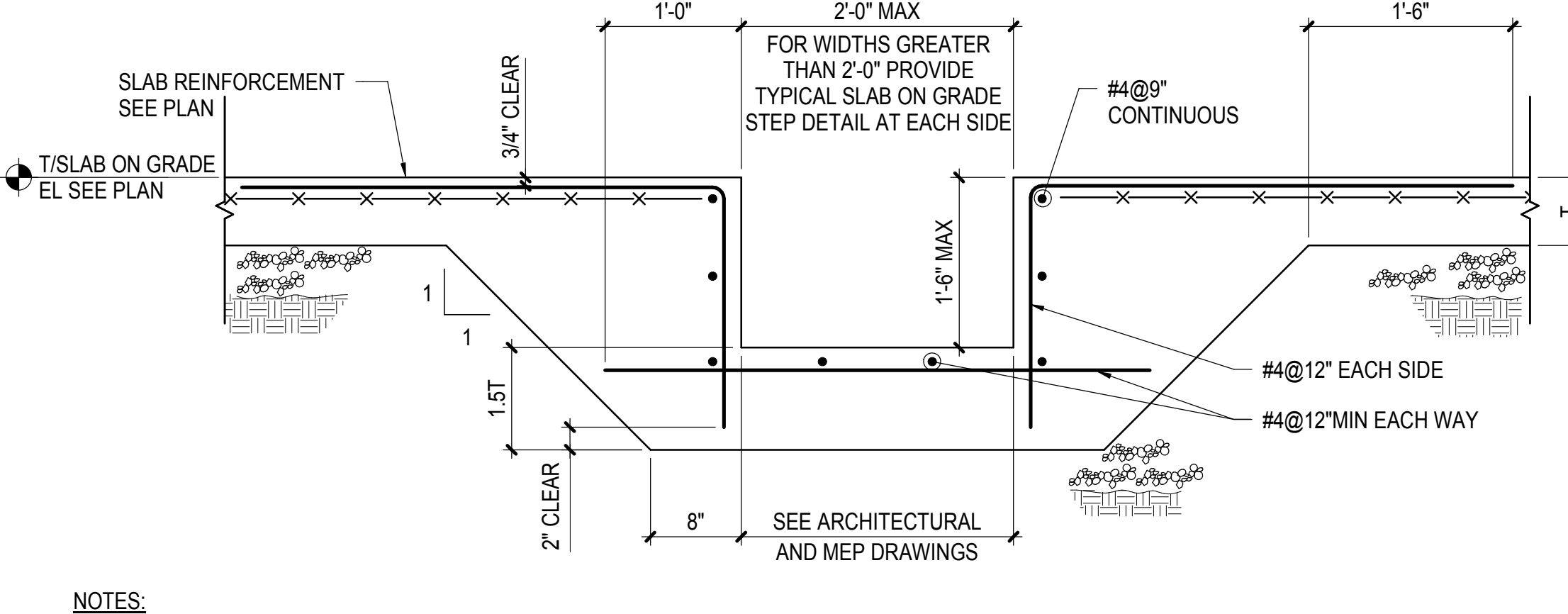
2 TYPICAL ISOLATION JOINT DETAILS AT SLAB ON GRADE
NOT TO SCALE



NOTE:
1. SEE TYPICAL SLAB ON GRADE DETAILS FOR ADDITIONAL INFORMATION

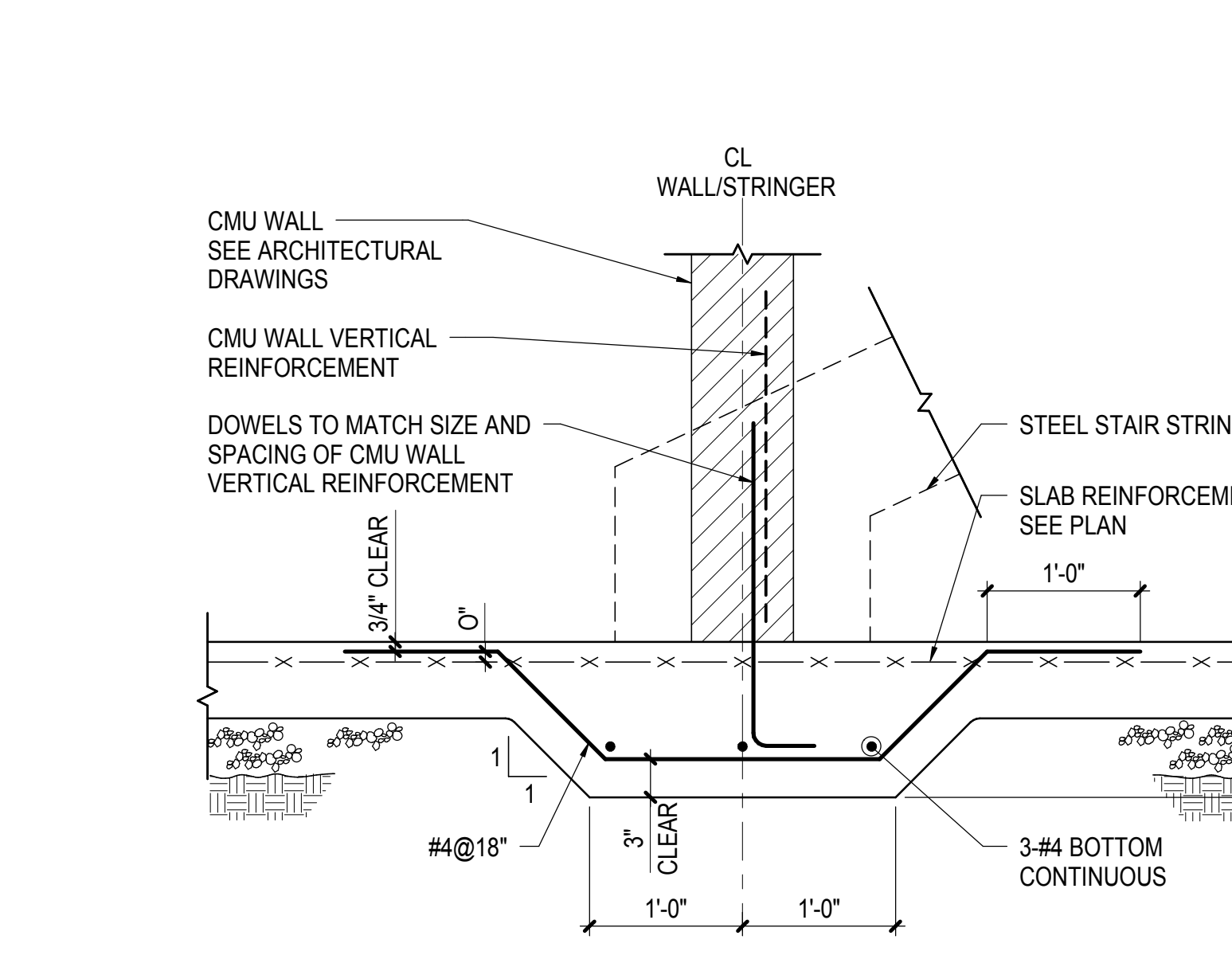


NOTE:
1. SEE TYPICAL SLAB ON GRADE DETAILS FOR ADDITIONAL INFORMATION



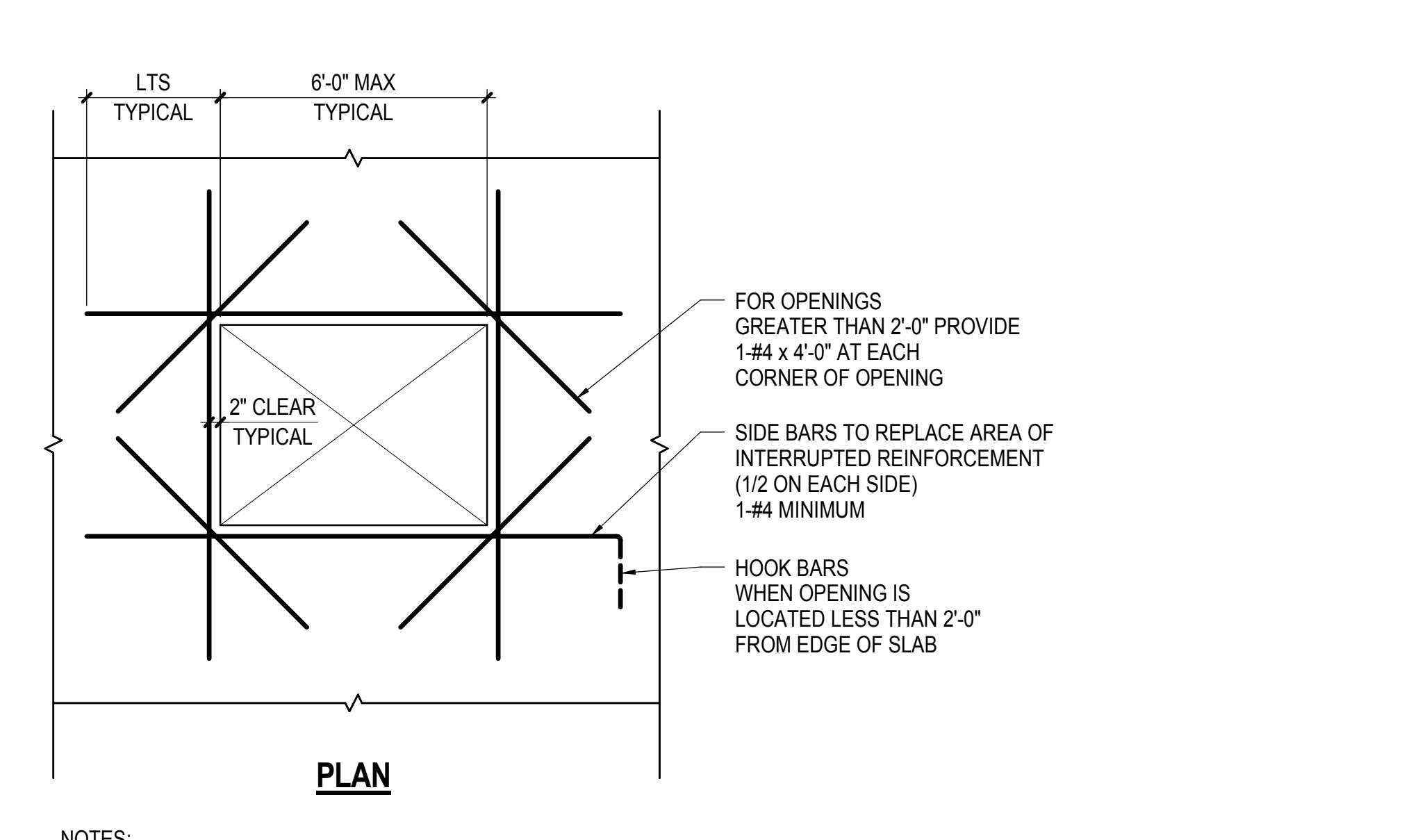
NOTES:
1. COORDINATE WITH ARCHITECTURE AND MEP DRAWINGS FOR ADDITIONAL INFORMATION AND EMBEDMENTS
2. SEE TYPICAL SLAB ON GRADE DETAILS FOR ADDITIONAL INFORMATION

3 TYPICAL SLAB ON GRADE STEP 6\"/>



NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF WALLS AND STAIRS
2. SEE TYPICAL SLAB ON GRADE DETAILS FOR MORE INFORMATION

4 TYPICAL SLAB ON GRADE STEP OVER 6\"/>



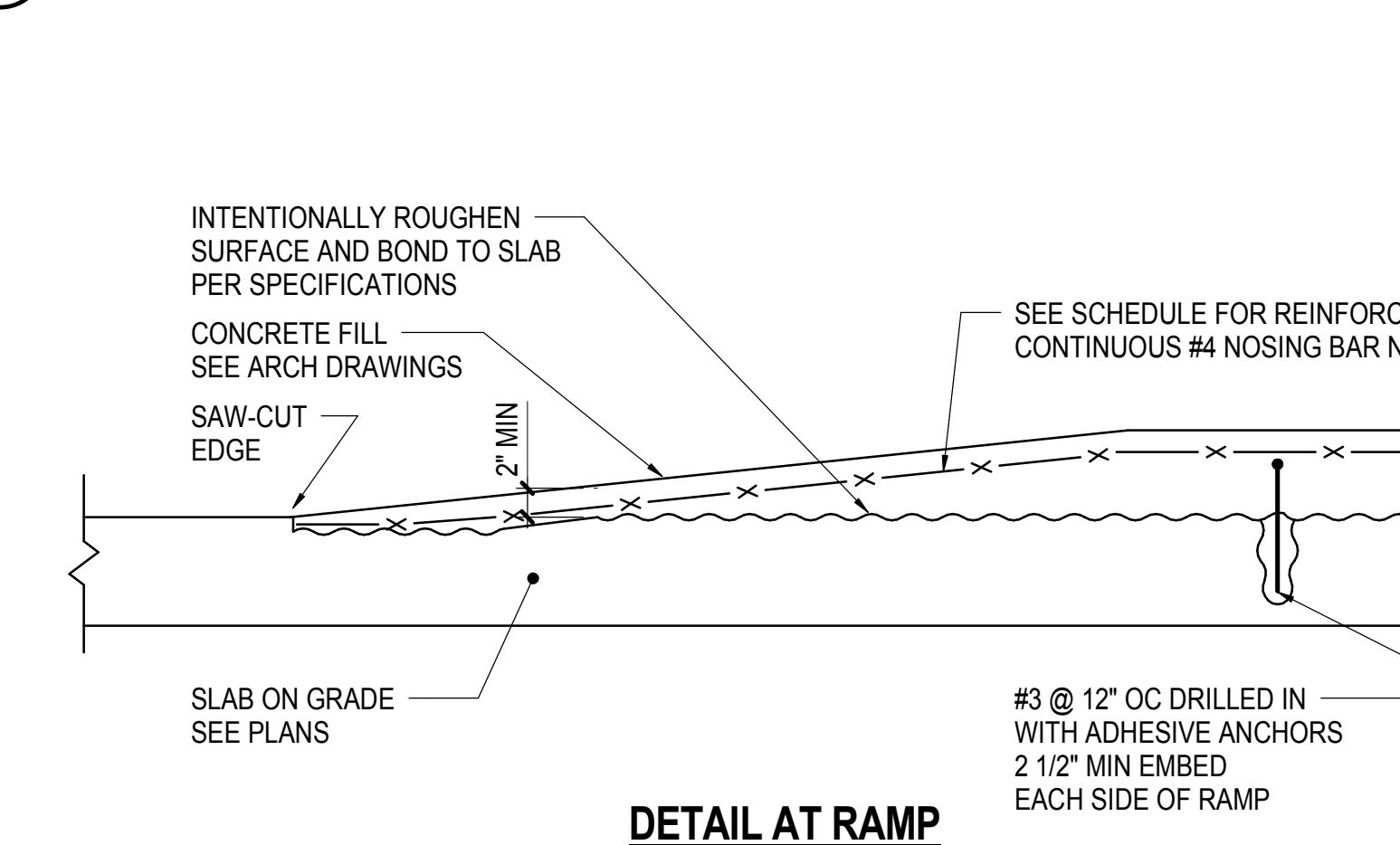
NOTES:
1. FOR SIZE OF OPENINGS SEE ARCHITECTURAL DRAWINGS
2. ADDITIONAL REINFORCEMENT IS NOT REQUIRED AT OPENINGS THAT DO NOT INTERRUPT THE TYPICAL REINFORCEMENT

5 TYPICAL TRENCH AT SLAB ON GRADE
NOT TO SCALE



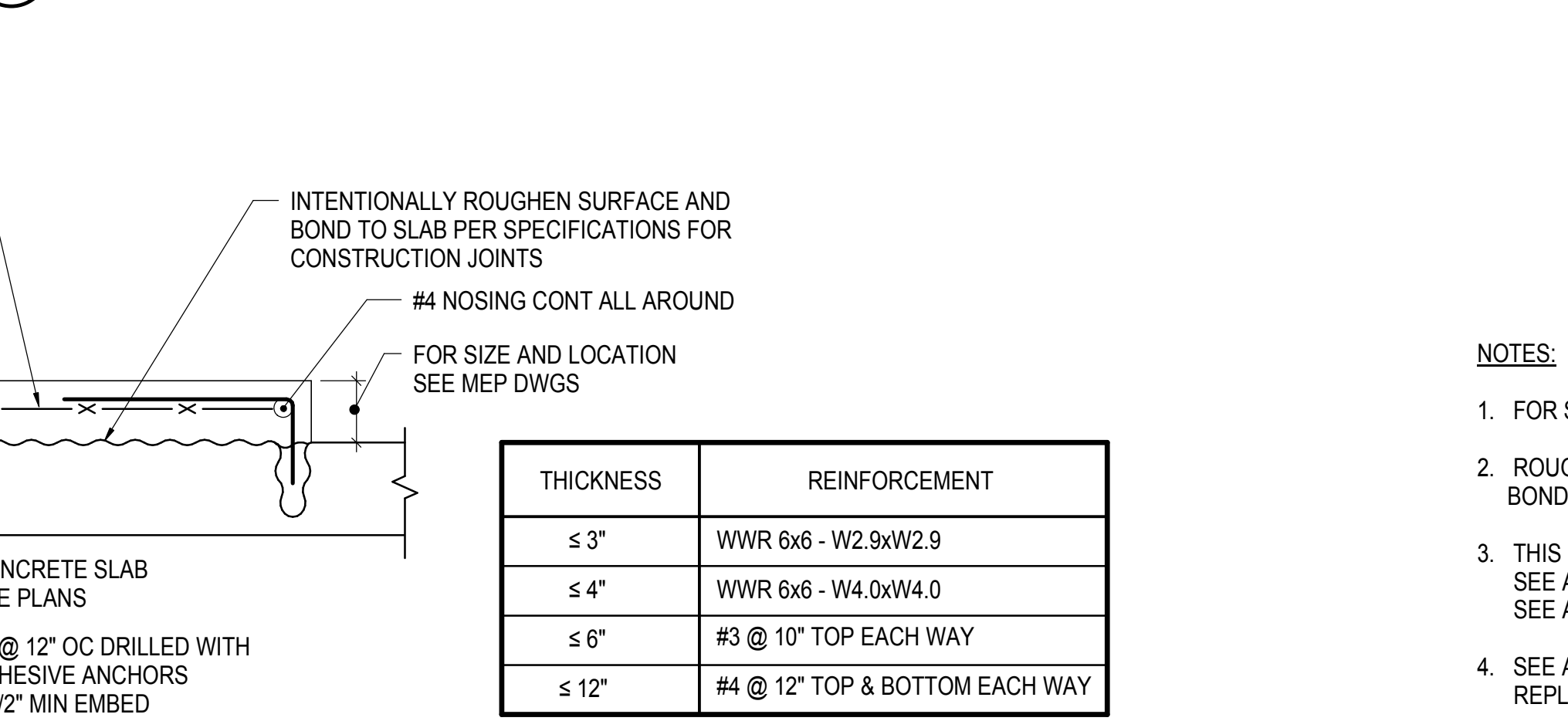
NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURE, MEP, OR STRUCTURAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB TO 1/4\"/>

6 TYPICAL THICKENED SLAB ON GRADE AT NON-BEARING CMU WALL OR STAIR STRINGER
NOT TO SCALE



NOTE:
1. THIS DETAIL IS NOT APPLICABLE TO GENERAL RAISED SLAB AREA HIGHER THAN 4\"/>

7 TYPICAL SLAB ON GRADE DETAIL OF ADDITIONAL REINFORCEMENT AT ANY OPENINGS OR AT STEP GREATER THAN 6\"/>

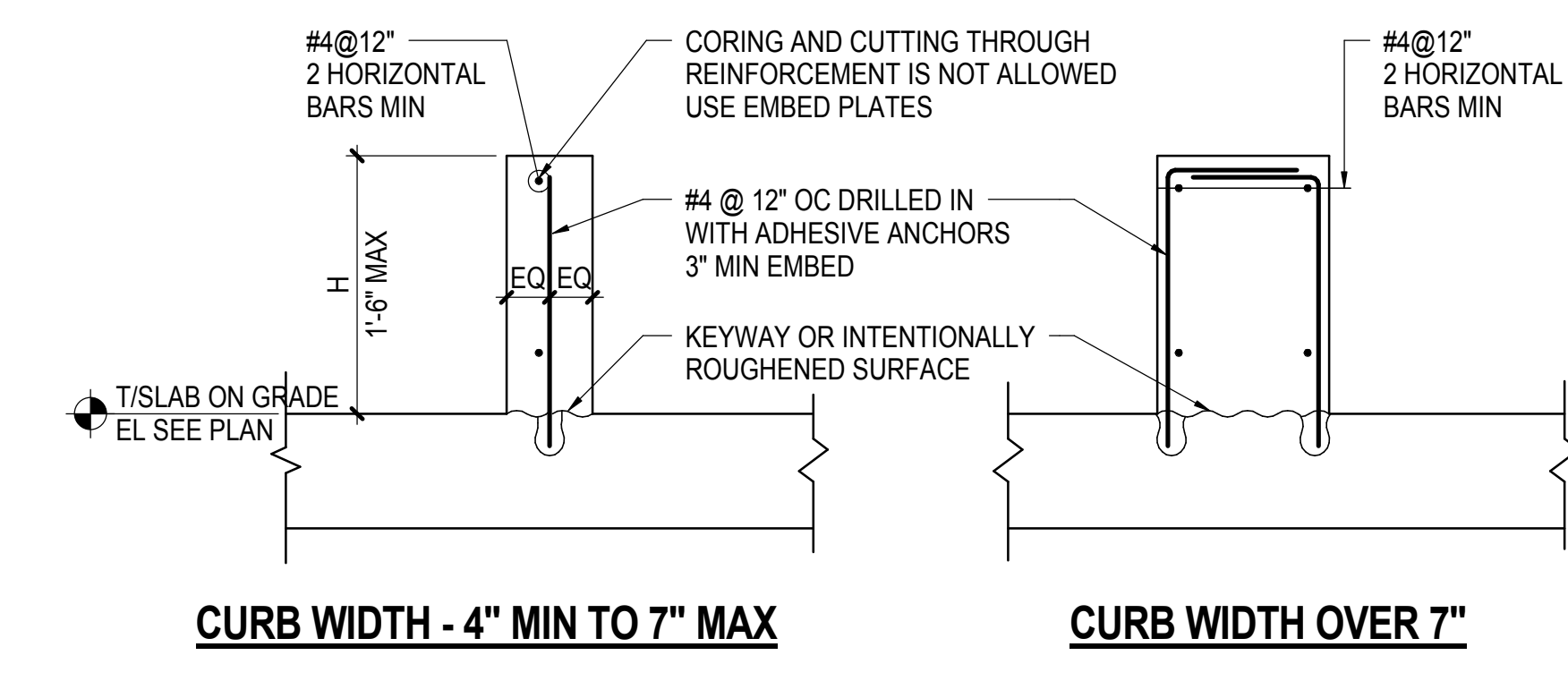


| THICKNESS | REINFORCEMENT |
|-----------|--------------------------------|
| ≤ 3" | WWR 6x6 - W2.9xW2.9 |
| ≤ 4" | WWR 6x6 - W4.0xW4.0 |
| ≤ 6" | #3 @ 10" TOP EACH WAY |
| ≤ 12" | #4 @ 12" TOP & BOTTOM EACH WAY |

CURB DIMENSION AND REINFORCEMENT SCHEDULE

| W | H | X@Y" | Z" |
|---|---|------|----|
| | | | |
| | | | |
| | | | |

NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURE, MEP, OR STRUCTURAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB TO 1/4\"/>



NOTES:
1. FOR SIZE AND LOCATION SEE ARCHITECTURE, MEP, OR STRUCTURAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB TO 1/4\"/>

8 TYPICAL DETAIL OF CONCRETE FILL HOUSEKEEPING PAD / MECHANICAL PAD / RAMP
NOT TO SCALE



NOTE:
1. THIS DETAIL IS NOT APPLICABLE TO GENERAL RAISED SLAB AREA HIGHER THAN 4\"/>

9 TYPICAL CURB DETAIL (SUBJECT TO LATERAL LOADS)
NOT TO SCALE



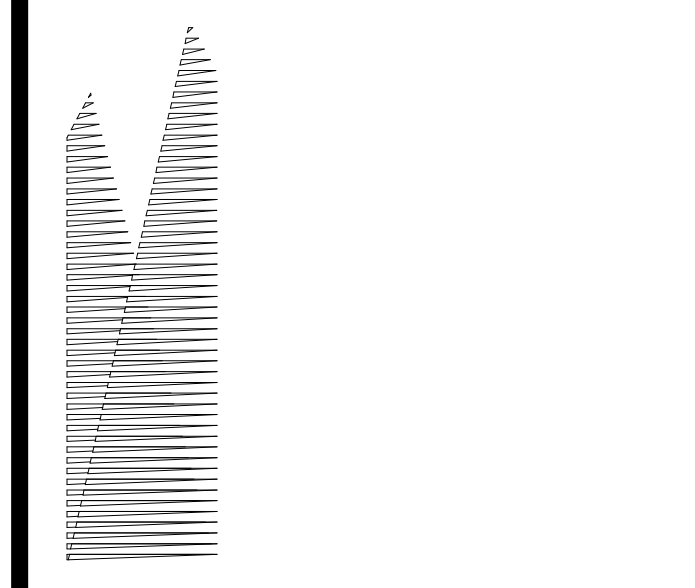
NOTE:
1. FOR SIZE AND LOCATION SEE ARCHITECTURE, MEP, OR STRUCTURAL DRAWINGS

10 TYPICAL CURB DETAILS (NOT SUBJECT TO LATERAL LOADS)
NOT TO SCALE



NOTE:
1. FOR SIZE AND LOCATION SEE ARCHITECTURE, MEP, OR STRUCTURAL DRAWINGS

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Contractor
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
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11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
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Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
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Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| NO. | DESCRIPTION | DATE |
|-----|---------------------------------|------------|
| 1 | NYC DOB FILING | 12/4/2013 |
| 2 | L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| 3 | M&E - PLATFORM SUBMISSION | |
| 4 | DR-42 PHASE I STRUCTURAL UPDATE | 11/17/2013 |
| 5 | NYC DOB FILING | 10/24/2013 |
| 6 | DR-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| 7 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 8 | NYC DOB FILING | 8/09/2013 |

Date: 08/09/2013
Project No: N11330.00
Title: Author
User Name: Author

Damian Titus
Building APPROVED Under Directive s of 1975 Date: 05/14/2014
NYC Development Hub

HYE-PL-S-733.00
TYPICAL SLAB ON GRADE DETAILS
Drawing Title
Drawing Number / B/S/C/S Drawing Number
S-733.00
Sheet 183 OF 201

| WALL THICKNESS t | MAXIMUM WALL HEIGHT H | VERTICAL REINFORCEMENT (SEE NOTE 1) | | |
|---------------------|--------------------------|-------------------------------------|-----------|------------|
| | | 5 PSF | 10 PSF | 30 PSF |
| 6" | 12'-0" | #4 @ 120" | #4 @ 96" | #4 @ 32" |
| | 14'-0" | #4 @ 120" | #4 @ 84" | #5 @ 32" |
| | 17'-0" | #4 @ 120" | #4 @ 120" | #4 @ 48" |
| 8" | 14'-6" | #4 @ 120" | #4 @ 96" | #4 @ 32" |
| | 17'-0" | #4 @ 120" | #4 @ 72" | #5 @ 32" |
| | 19'-0" | #4 @ 96" | #4 @ 56" | #6 @ 32" |
| 10" | 13'-6" | #4 @ 120" | #4 @ 120" | #4 @ 48" |
| | 16'-0" | #4 @ 120" | #4 @ 112" | #4 @ 32" |
| | 20'-0" | #4 @ 120" | #4 @ 84" | #5 @ 32" |
| 12" | 23'-6" | #4 @ 88" | #4 @ 48" | 2-#6 @ 48" |
| | 14'-0" | #4 @ 120" | #4 @ 120" | #4 @ 48" |
| | 18'-0" | #4 @ 120" | #4 @ 112" | #4 @ 32" |
| 12" | 22'-6" | #4 @ 120" | #4 @ 72" | #5 @ 32" |
| | 26'-0" | #4 @ 104" | #4 @ 48" | #6 @ 32" |
| | 29'-0" | #4 @ 72" | #4 @ 32" | 2-#6 @ 40" |

VERTICAL REINFORCEMENT SCHEDULE

NOTES:

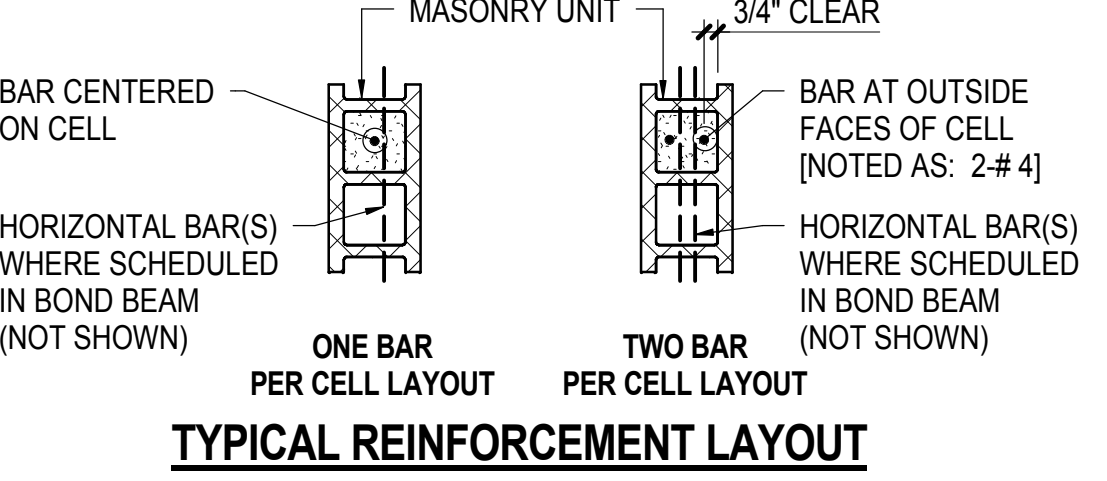
- PROVIDE THE GREATER QUANTITY OF TYPICAL MINIMUM VERTICAL REINFORCEMENT AS SHOWN IN THE VERTICAL REINFORCEMENT SCHEDULE OR THE SEISMIC SCHEDULE AS FOLLOWS FOR THE FOLLOWING WALL TYPE AND DESIGN PRESSURE, UON
 - TYPICAL INTERIOR WALLS 5 PSF
 - INTERIOR ELEVATOR SHAFT WALLS 10 PSF
 - EXTERIOR WALLS 30 PSF
 - SEISMIC

SEE MINIMUM SEISMIC REINFORCEMENT SCHEDULE
- PROVIDE THE FOLLOWING TYPICAL MINIMUM HORIZONTAL REINFORCEMENT:
 - INTERIOR WALLS: 2 - 9 GAGE WIRES AT EVERY OTHER COURSE
 - EXTERIOR WALLS: 2 - 3/16" DIA WIRES AT EVERY OTHER COURSE
 - SEISMIC DESIGN CATEGORY D, E, AND F PROVIDE HORIZONTAL REINFORCEMENT USING BOND BEAMS AS FOLLOWS:
 - 1-#4 @ 48" OC FOR 6" THICK WALL
 - 2-#4 @ 48" OC FOR WALLS > 6" THICK
- FOR LOCATION AND THICKNESS OF MASONRY WALLS SEE ARCHITECTURAL DRAWINGS
- VERTICAL REINFORCEMENT SCHEDULE IS BASED ON DESIGN SERVICE LOAD PRESSURE AS NOTED
- 'H' INDICATES HEIGHT OF WALL BETWEEN LATERAL SUPPORT POINTS
- DESIGN OF MASONRY WALL IS BASED ON PARTIALLY GROUTED WALLS WITH REINFORCEMENT AS SCHEDULED
- DESIGN IS BASED ON A MINIMUM COMPRESSIVE STRENGTH $f_m = 1500$ PSI/MN FOR PROJECT SPECIFIC f_m REFER TO GENERAL NOTES ON S0 SERIES DRAWINGS
- VERTICAL REINFORCEMENT SHALL BE SECURED WITH WIRE POSITIONERS ETC. AT INTERVALS NOT TO EXCEED 48"; AND BE LOCATED AT THE CENTER OF THE WALL UON
- SEE ELEVATIONS AND DETAILS FOR ADDITIONAL REINFORCEMENT AT OPENINGS AND JOINTS

| SEISMIC DESIGN CATEGORY | S_{DS} | DESIGN PRESSURE (PSF) OR REINFORCEMENT | | | |
|-------------------------|--------------|--|----------|----------|----------|
| | | 6" WALL | 8" WALL | 10" WALL | 12" WALL |
| A OR B [A ONLY] | ALL | 5 | 5 | 5 | 5 |
| C [OR B] | <0.25 | 5 | 5(10) | 5(10) | 10 |
| | <0.50 | 5 | 10 | 10 | 10 (30) |
| D, E, OR F | <1.0 (<0.67) | #5 @ 32" | #5 @ 32" | #6 @ 32" | #6 @ 24" |

- SEISMIC TABLE NOTES:**
- REFER TO GENERAL NOTES ON S0 SERIES DRAWINGS FOR APPLICABLE SEISMIC DESIGN CATEGORY
 - FOR SEISMIC USE GROUP IV FACILITIES AND FOR WALLS WITH COMPONENT IMPORTANCE FACTOR, $I_p=1.5$, VALUES INDICATED IN [] SHALL BE USED
 - REINFORCEMENT IS BASED ON THE FOLLOWING CRITERIA: UON: FULL HEIGHT WALLS WITHIN LIMITS OF VERTICAL REINFORCEMENT SCHEDULE
 $\rho_p=1.0$
 $R_p=2.5$
 $z/H=1$ (WALL AT TOP OF STRUCTURE)
 - FOR WALL TYPES NOT INDICATED IN THE SCHEDULE SER SHALL BE IMMEDIATELY NOTIFIED
 - SEISMIC MASS IS BASED ON PARTIALLY GROUTED WALLS

MINIMUM SEISMIC REINFORCEMENT SCHEDULE



1 TYPICAL CMU NON-BEARING WALL REINFORCEMENT SCHEDULE

| WALL THICKNESS t | MAXIMUM WALL HEIGHT H | MAX CLEAR MASONRY OPENING (SEE NOTE 4) | 5 PSF | | | 10 PSF | | | 30 PSF | | |
|---------------------|--------------------------|--|--------------------------|---------------------------|----------------------|--------------------------|---------------------------|----------------------|--------------------------|---------------------------|----------------------|
| | | | JAMB ZONE WIDTH W1 OR W2 | PIER ZONE LENGTH (NOTE 2) | WALL REINF EACH CELL | JAMB ZONE WIDTH W1 OR W2 | PIER ZONE LENGTH (NOTE 2) | WALL REINF EACH CELL | JAMB ZONE WIDTH W1 OR W2 | PIER ZONE LENGTH (NOTE 2) | WALL REINF EACH CELL |
| 6" | 12'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 32" | #4 |
| | | 7'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 24" | 40" | #4 |
| | | 12'-0" | 8" | 16" | #4 | 16" | 24" | #4 | 40" | 64" | #4 |
| | 14'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 24" | 32" | #5 |
| | | 7'-0" | 8" | 16" | #4 | 16" | 16" | #4 | 32" | 48" | #5 |
| | | 12'-0" | 8" | 16"/24" | #4 | 16" | 32" | #4 | 40" | 72" | #5 |
| 8" | 12'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 16" | #4 |
| | | 7'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 24" | 40" | #4 |
| | | 12'-0" | 8" | 16" | #4 | 16" | 16"/24" | #4 | 32" | 56" | #4 |
| | 14'-6" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 24" | 40" | #4 |
| | | 7'-0" | 8" | 16" | #4 | 16" | 16"/24" | #4 | 32" | 56" | #4 |
| | | 12'-0" | 8" | 16"/24" | #4 | 16" | 16"/24" | #4 | 40" | 64" | #5 |
| | 17'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 32" | #5 |
| | | 7'-0" | 8" | 16" | #4 | 16" | 16" | #4 | 24" | 40" | #5 |
| | | 12'-0" | 8" | 16"/24" | #4 | 16" | 24" | #4 | 40" | 64" | #5 |
| 19'-0" | 4'-0" | 8" | 16" | #4 | 16" | 16" | #4 | 16" | 32" | #6 | |
| | 7'-0" | 8" | 16" | #4 | 16" | 24" | #4 | 24" | 40" | #6 | |
| | 12'-0" | 16" | 16"/24" | #4 | 24" | 40" | #4 | 40" | 64" | #6 | |
| 10" | 13'-6" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 16" | #4 |
| | | 7'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 24" | #4 |
| | | 12'-0" | 8" | 16"/24" | #4 | 8" | 16"/24" | #4 | 16" | 24" | 2-#4 |
| | 16'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 24" | #4 |
| | | 7'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 24" | 2-#4 |
| | | 12'-0" | 8" | 16"/24" | #4 | 16" | 16"/24" | #4 | 16" | 32" | 2-#4 |
| 20'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 8" | 16" | 2-#5 | |
| | 7'-0" | 8" | 16"/24" | #4 | 16" | 16"/24" | #4 | 16" | 24" | 2-#5 | |
| | 12'-0" | 8" | 16"/32" | #4 | 16" | 24"/32" | #4 | 24" | 32" | 2-#5 | |
| 23'-6" | 4'-0" | 8" | 16" | #4 | 16" | 16" | #4 | 16" | 16" | 2-#6 | |
| | 7'-0" | 16" | 16"/24" | #4 | 16" | 24" | #4 | 16" | 24" | 2-#6 | |
| | 12'-0" | 16" | 24"/32" | #4 | 24" | 40" | #4 | 24" | 40" | 2-#6 | |
| 12" | 14'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 8" | 16" | #4 |
| | | 7'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 16" | #4 |
| | | 12'-0" | 8" | 16"/24" | #4 | 8" | 16"/24" | #4 | 16" | 16"/24" | 2-#4 |
| | 18'-0" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 8" | 16" | 2-#4 |
| | | 7'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 16" | 16" | 2-#4 |
| | | 12'-0" | 8" | 16"/24" | #4 | 16" | 16"/24" | #4 | 16" | 24" | 2-#4 |
| | 22'-6" | 4'-0" | 8" | 16" | #4 | 8" | 16" | #4 | 8" | 16" | 2-#5 |
| | | 7'-0" | 8" | 16"/24" | #4 | 16" | 16"/24" | #4 | 16" | 24" | 2-#5 |
| | | 12'-0" | 8" | 16"/32" | #4 | 16" | 24"/32" | #4 | 16" | 32" | 2-#5 |
| 26'-0" | 4'-0" | 8" | 16" | #4 | 16" | 16" | #4 | 8" | 16" | 2-#6 | |
| | 7'-0" | 8" | 16"/24" | #4 | 16" | 24" | #4 | 16" | 24" | 2-#6 | |
| | 12'-0" | 16" | 16"/40" | #4 | 24" | 32"/40" | #4 | 24" | 32"/40" | 2-#6 | |
| 29'-0" | 4'-0" | 8" | 16"/24" | #4 | 16" | 24" | #4 | 16" | 16"/24" | 2-#6 | |
| | 7'-0" | 16" | 24"/32" | #4 | 24" | 32" | #4 | 16" | 32" | 2-#6 | |
| | | 12'-0" | 16" | 32"/40" | #4 | 32" | 48" | #4 | 24" | 2-#6 | |

3 TYPICAL CMU NON-BEARING WALL JAMB AND PIER ZONE SCHEDULE

NOTES:

- SEE NOTE 1 OF TYPICAL CMU NON-BEARING WALL REINFORCEMENT SCHEDULE FOR DESIGN PRESSURE TO BE USED. FOR SEISMIC DESIGN CATEGORY D, E, AND F UP TO S_{ds} VALUE SCHEDULED. USE 30 PSF DESIGN PRESSURE
- SINGLE NUMBER FOR PIER REFERS TO PIER ZONE LENGTH. WHEN PIER WIDTH IS DENOTED AS ##/#, PROVIDE PIER AS FOLLOWS:

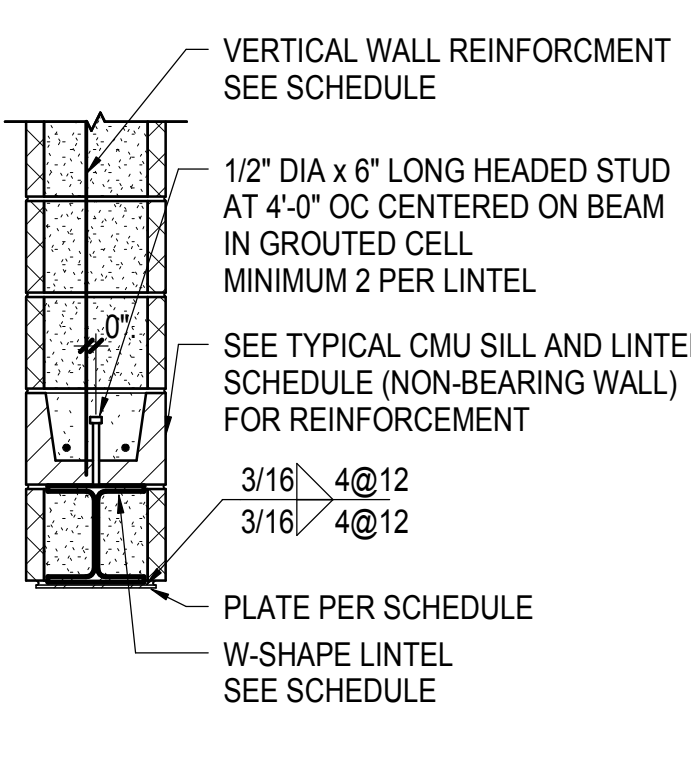
EX. 16"/24"
 MINIMUM TOTAL PIER WIDTH, PW, INCLUDING ANY NON-CONTINUOUS CELLS INTERRUPTED BY LINTELS
 MINIMUM PIER ZONE WIDTH WITH CONTINUOUS VERTICAL BARS FULL HEIGHT OF WALL
- PROVIDE FULLY GROUTED JAMB AND PIER WITH VERTICAL BARS(S) IN EACH CELL OVER FULL WIDTH AS SCHEDULED. SEE TYPICAL CMU NON-BEARING WALL REINFORCEMENT SCHEDULE FOR REINFORCEMENT LAYOUT
- FOR PIER ZONE SCHEDULE USE MAXIMUM CLEAR MASONRY OPENING AT LEAST EQUAL TO AVERAGE WIDTH OF ADJACENT OPENINGS
- SEE TYPICAL CMU NON-BEARING WALL PLAN DETAIL AT ADJACENT WALL OPENINGS FOR ADDITIONAL INFORMATION
- NOTIFY ENGINEER OF RECORD IF JAMB AND/OR PIER WIDTH NOTED CANNOT BE SATISFIED
- AT PIERS WIDER THAN REQUIRED PER SCHEDULE, IT IS ACCEPTABLE TO REINFORCE EDGES AS JAMB ZONES

2 TYPICAL CMU SILL AND LINTEL SCHEDULE (NON-BEARING WALL)

| MAXIMUM MASONRY OPENING L | WALL THICKNESS | | | |
|------------------------------|---------------------------|------------------------|----------------------|--------------------------|
| | 6" WALL | 8" WALL | 10" WALL | 12" WALL |
| 4'-0" | 2L - 2.5 x 2.5 x 1/4 | 2L - 3.5 x 3 x 1/4 LLV | 2L - 4 x 4 x 1/4 | 2L - 5 x 5 x 5/16 |
| 5'-0" | 2L - 3 x 2.5 x 1/4 LLV | 2L - 3.5 x 3 x 1/4 LLV | 2L - 4 x 4 x 1/4 | 2L - 5 x 5 x 5/16 |
| 6'-0" | 2L - 3 x 2.5 x 1/4 LLV | 2L - 3.5 x 3 x 1/4 LLV | 2L - 4 x 4 x 1/4 | 2L - 5 x 5 x 5/16 |
| 7'-0" | 2L - 3.5 x 2.5 x 5/16 LLV | 2L - 5 x 3 x 1/4 LLV | 2L - 4 x 4 x 5/16 | 2L - 5 x 5 x 5/16 |
| 8'-0" | 2L - 3.5 x 2.5 x 3/8 LLV | 2L - 5 x 3 x 5/16 LLV | 2L - 6 x 4 x 3/8 LLV | 2L - 5 x 5 x 5/16 |
| 10'-0" | W8 x 10 | 2L - 5 x 3 x 3/8 LLV | 2L - 6 x 4 x 3/8 LLV | W8 x 24 + 1/4"x10" PLATE |
| 12'-0" | W8 x 10 | 2L - 6 x 3.5 x 3/8 LLV | 2L - 7 x 4 x 3/8 LLV | W8 x 24 + 1/4"x10" PLATE |

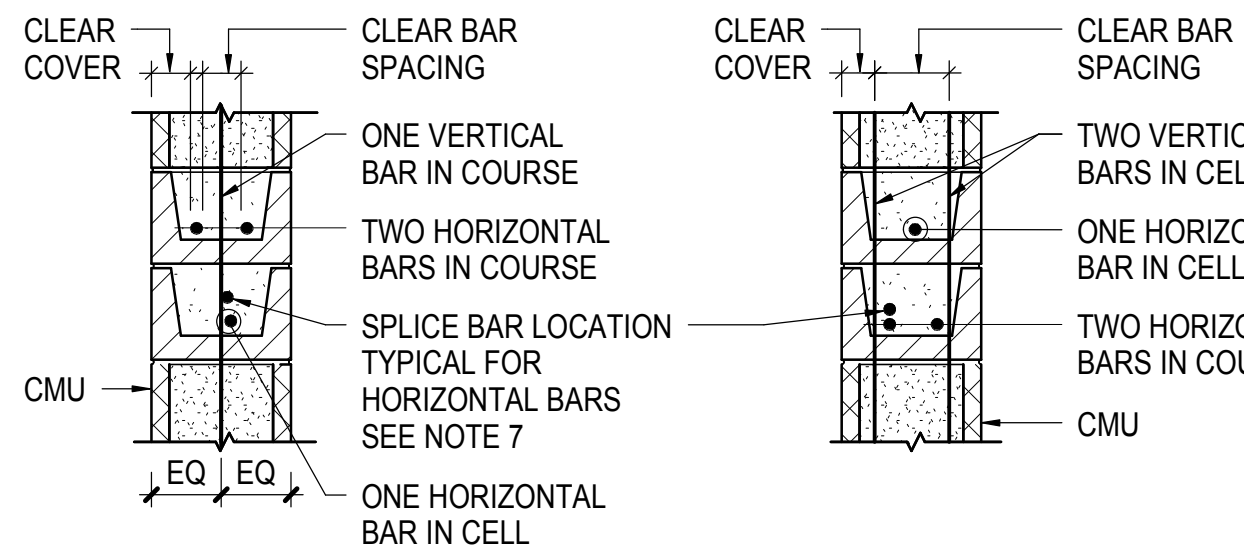
NOTES:

- LINTEL ANGLES AND W-SHAPE LINTELS SHALL BE ASTM A36 STEEL MINIMUM
- NO MORE THAN SIX COURSES OF CMU MAY BE PLACED, REINFORCED, GROUTED AND CURED AT ONE TIME ABOVE LINTEL BEFORE PROCEEDING FURTHER
- SEE TYPICAL CMU SILL AND LINTEL SCHEDULE (NON-BEARING WALL) FOR REINFORCEMENT
- PROVIDE MINIMUM 8" BEARING EACH END
- 2L LINTELS SHALL BE WELDED OR BOLTED TOGETHER AT INTERVALS NOT EXCEEDING 2'-0" OC, WITH A MINIMUM OF TWO CONNECTIONS BETWEEN ENDS
- AT EXTERIOR WALL SYSTEMS AND AT HUMID LOCATIONS LINTELS SHALL BE GALVANIZED. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION
- SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS
- SEE TYPICAL CMU NON-BEARING WALL ELEVATION WITH STEEL OR PRECAST LINTELS FOR DETAILS OF REINFORCEMENT AROUND OPENINGS



4 TYPICAL STEEL LINTEL SCHEDULE (NON-BEARING WALL)

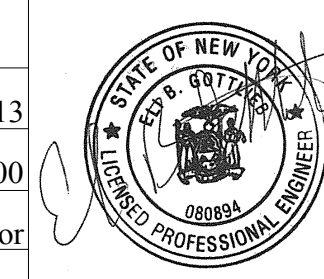
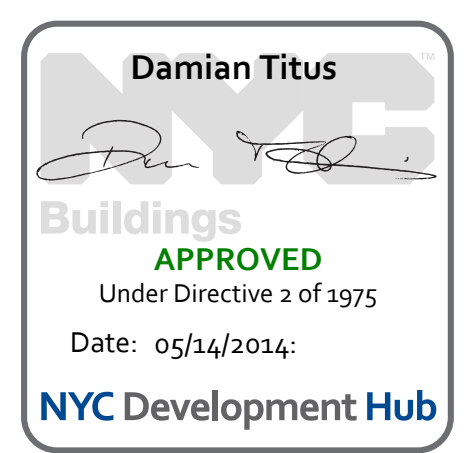
| SCHEDULED REINFORCEMENT CONDITION | BAR SIZE | | |
|------------------------------------|----------|-----|-----|
| | #4 | #5 | #6 |
| ONE BAR IN CELL OR COURSE (NOTE 1) | 24" | 26" | 40" |
| TWO BARS IN CELL OR COURSE | 36" | 45" | 54" |



REINFORCEMENT CONDITIONS

- FOR 6" AND 8" WALLS WITH ONE HORIZONTAL BAR IN COURSE, USE SPLICE LENGTHS FOR TWO BARS IN CELL OR COURSE
- WHERE EPOXY-COATED REINFORCEMENT IS USED, INCREASE LAP SPLICE LENGTH BY 50%
- SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS CONTAINING TWO BARS PER COURSE SHALL BE STAGGERED
- TYPE 1 OR TYPE 2 MECHANICAL SPLICES MAY BE SUBSTITUTED UON, PROVIDED THEY DEVELOP 125% OF THE YIELD STRENGTH OF THE BAR AND ARE APPROVED BY THE EOR REQUIRED FOR THE LARGEST
- WHERE BARS OF DIFFERENT SIZES ARE TO BE SPLICED, THE SPLICE LENGTH SHALL BE THAT REQUIRED FOR THE LARGEST
- SEE TYPICAL REINFORCEMENT LAYOUT DETAIL FOR MINIMUM CLEAR COVER TO INSIDE OF FACESHELL
- SPLICES OF HORIZONTAL REINFORCEMENT SHOULD BE PLACED VERTICALLY OVER MAIN BAR

5 CMU LAP SPLICE AND TENSION EMBEDMENT LENGTH SCHEDULE



HYE-PL-S-740.00
TYPICAL MASONRY NON-BEARING WALL SCHEDULES

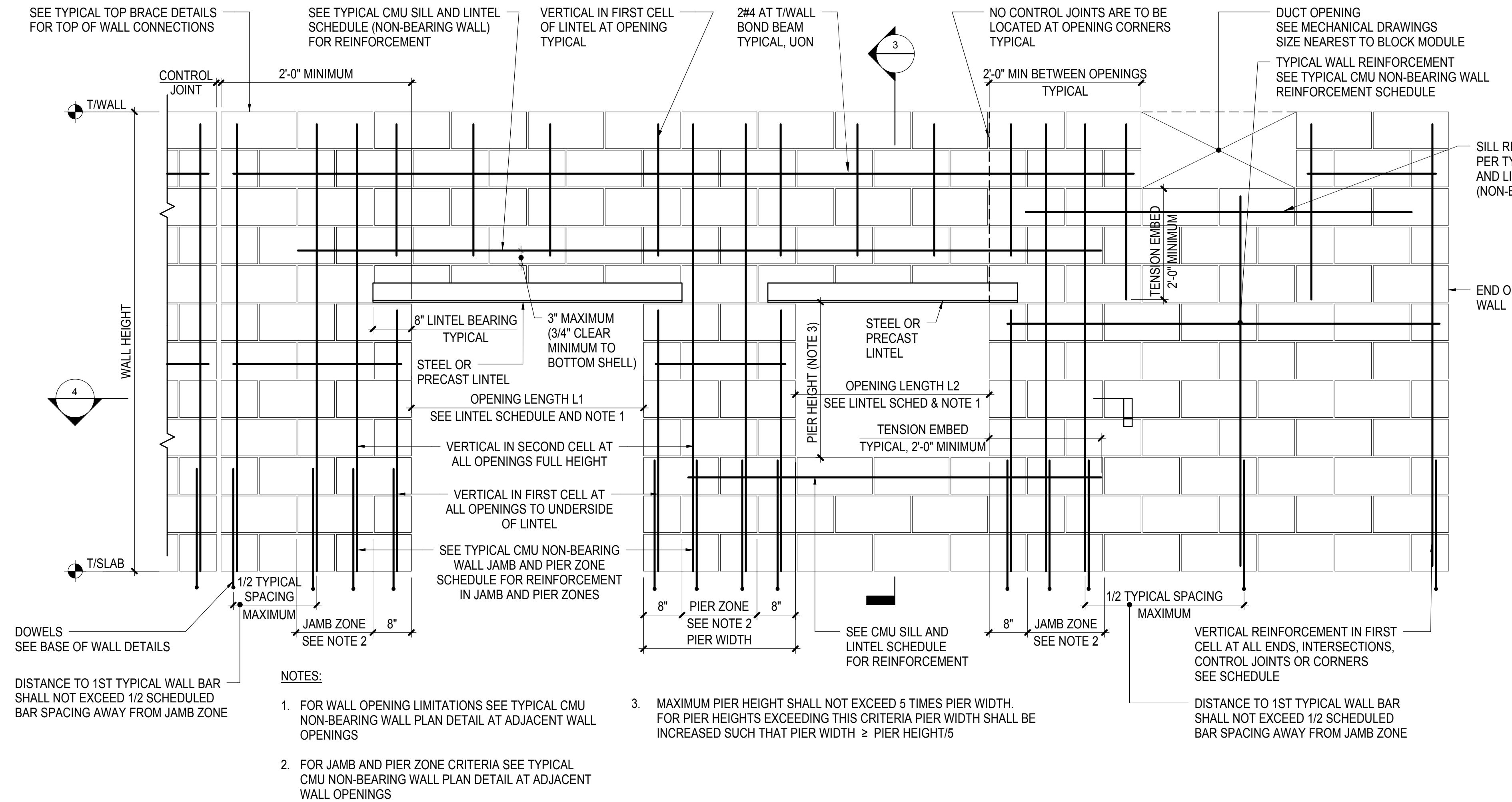
| | |
|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| DOB - PLATFORM SUBMISSION | |
| DOB - PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |
| NYC DOB FILING | 10/4/2013 |
| DOB - DESIGN | 09/01/2013 |

Rev. Plot

Date: 10/03/2013
Project No: N11330.00
Drawn By: Author
Issue Number: Author

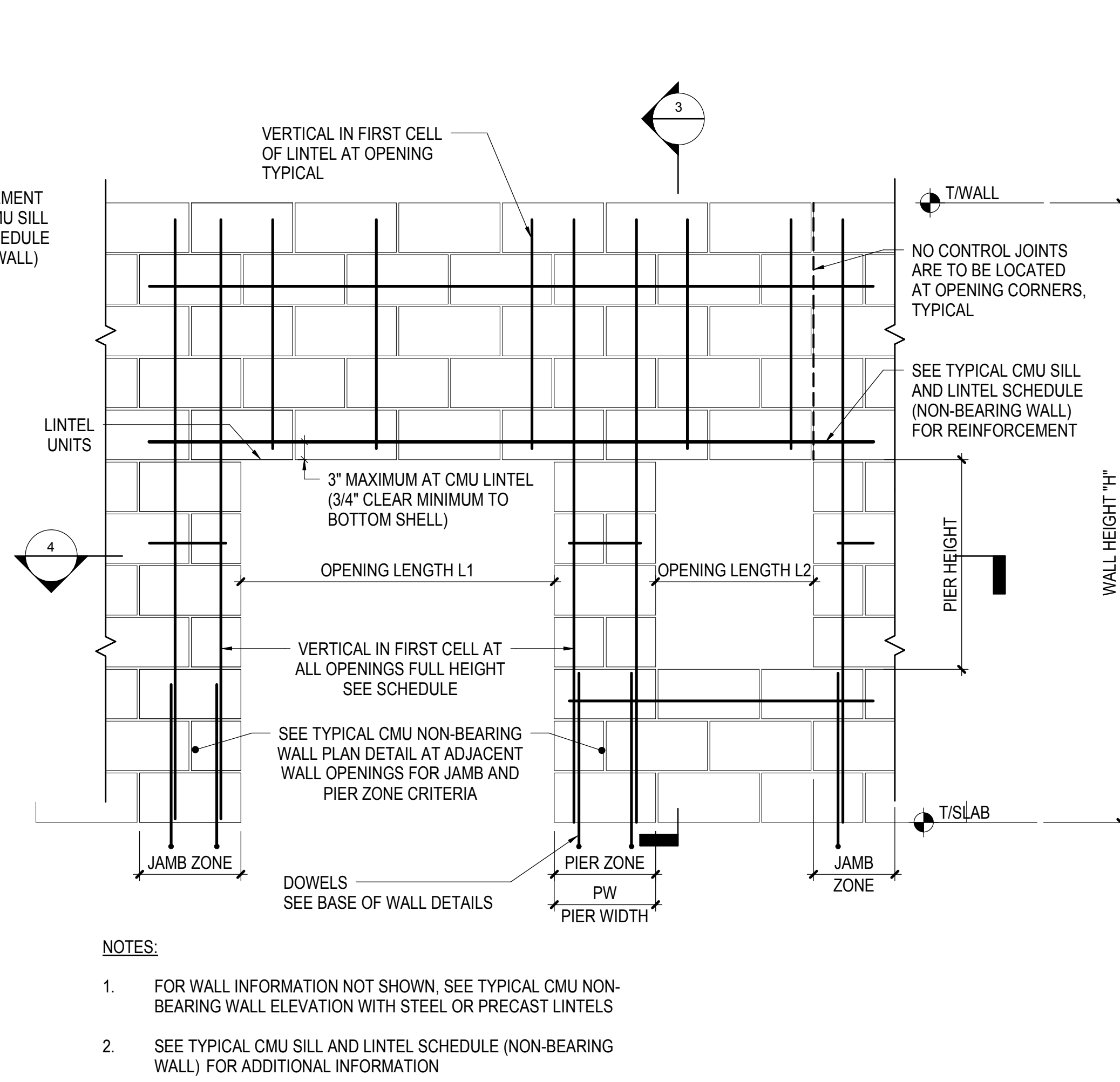
HYE-PL-S-741.00
TYPICAL MASONRY NON-BEARING WALL DETAILS

Drawing Number / B/S/C/S Drawing Number
S-741.00
SHEET 185 OF 201



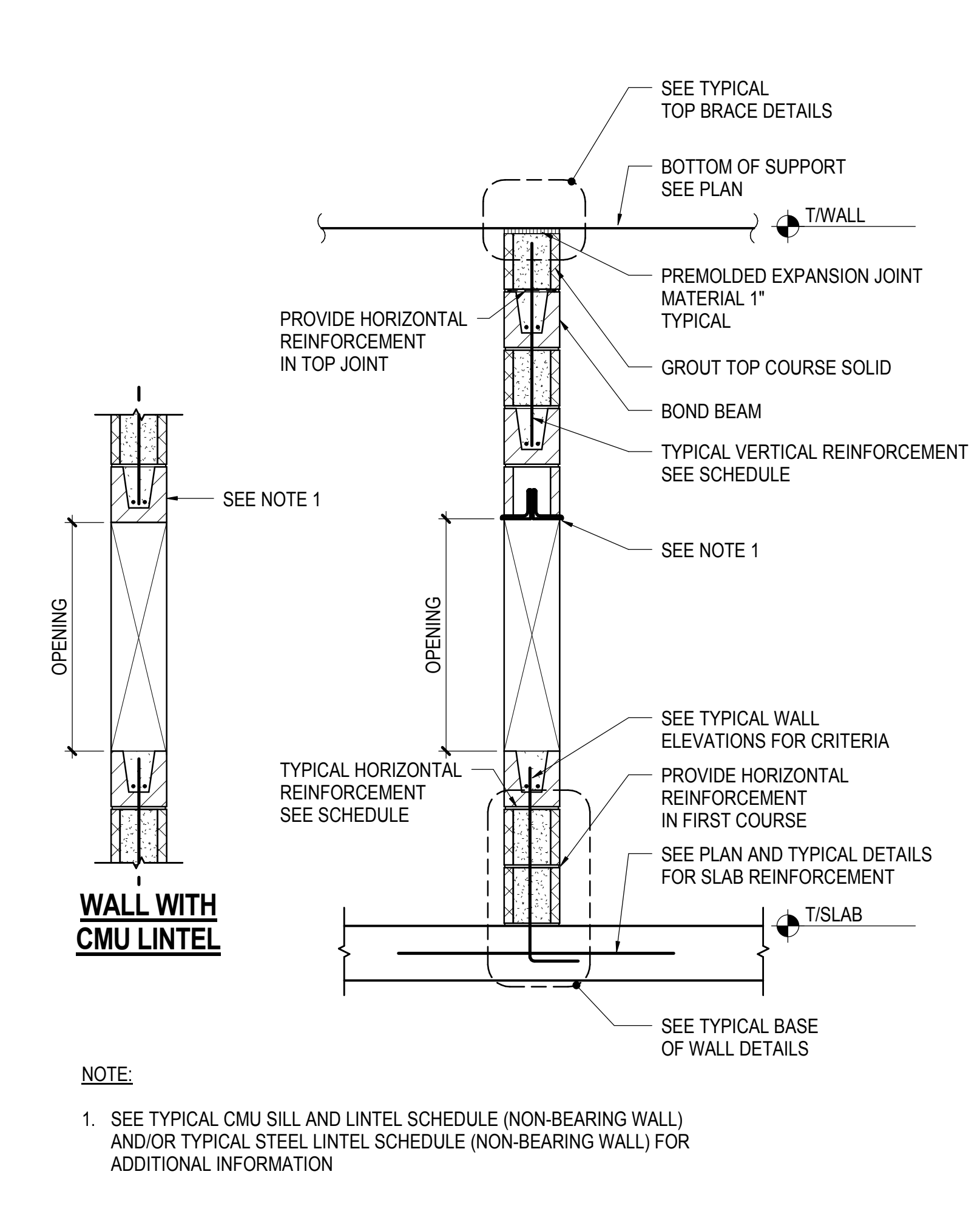
1 TYPICAL CMU NON-BEARING WALL ELEVATION WITH STEEL OR PRECAST LINTELS

NOT TO SCALE



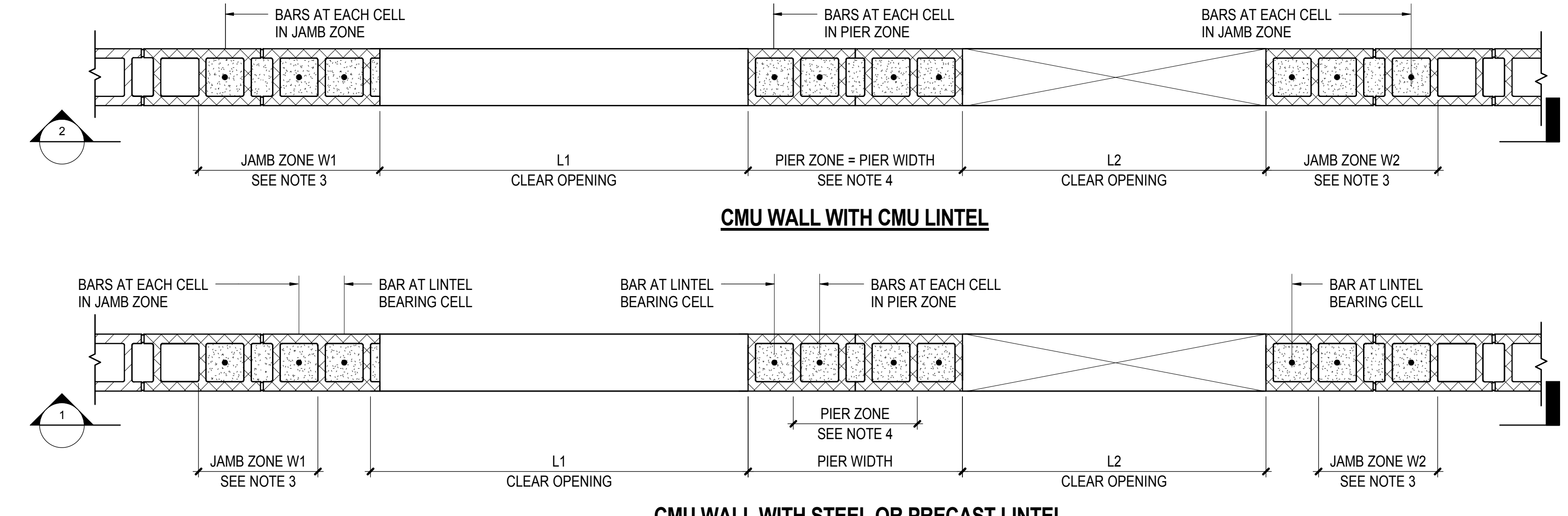
2 TYPICAL CMU NON-BEARING WALL ELEVATION WITH CMU LINTELS

NOT TO SCALE



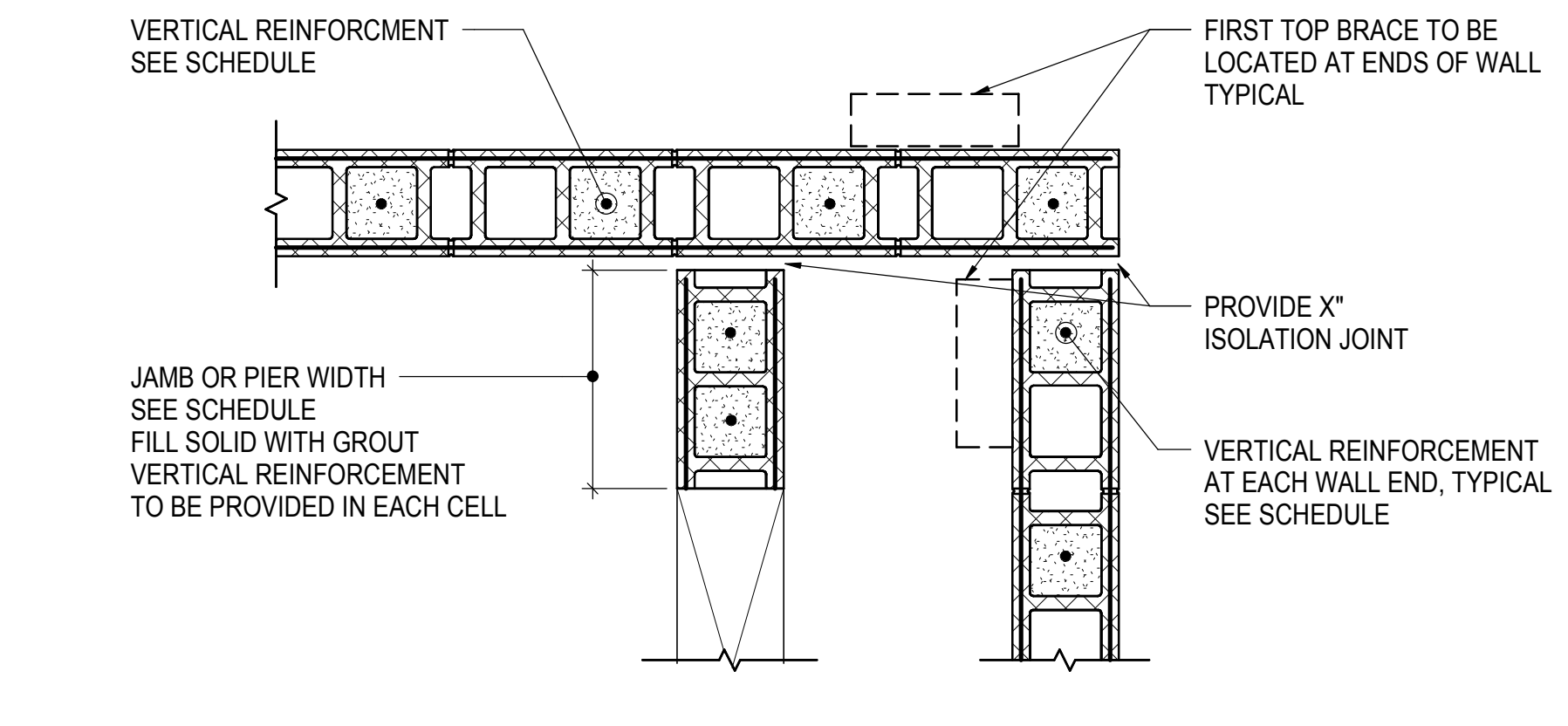
3 TYPICAL CMU NON-BEARING WALL SECTION

NOT TO SCALE



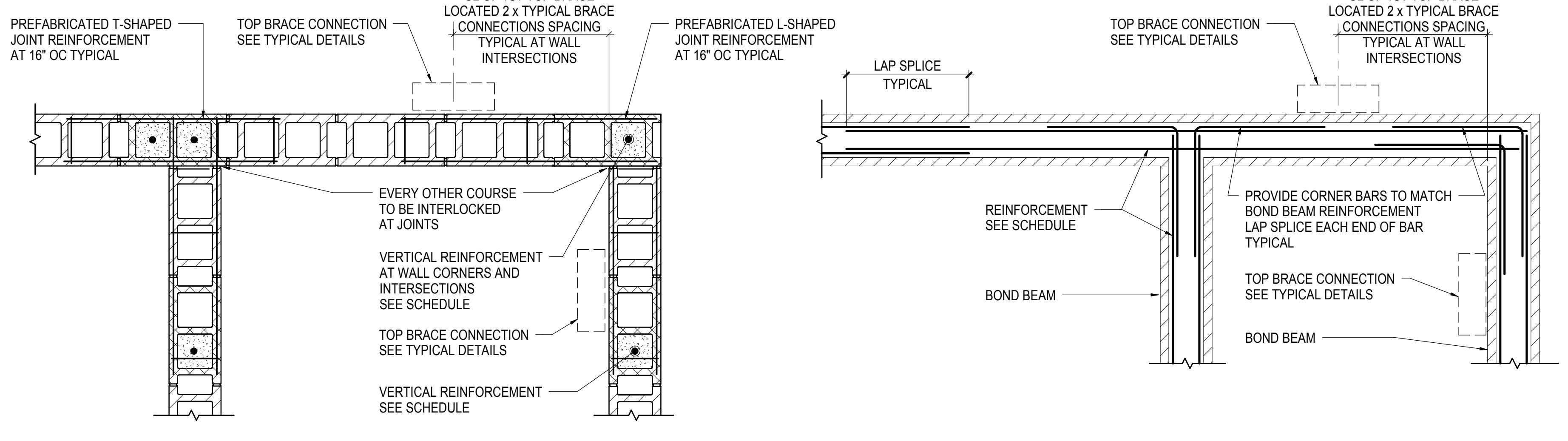
4 TYPICAL CMU NON-BEARING WALL PLAN DETAIL AT ADJACENT WALL OPENINGS

NOT TO SCALE



5 TYPICAL PLAN DETAIL AT FULL HEIGHT MASONRY WALL JOINT INTERSECTION

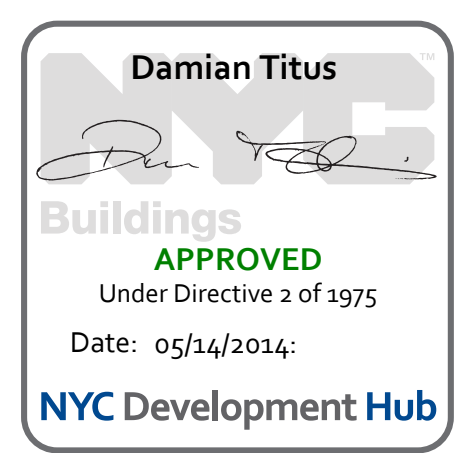
NOT TO SCALE

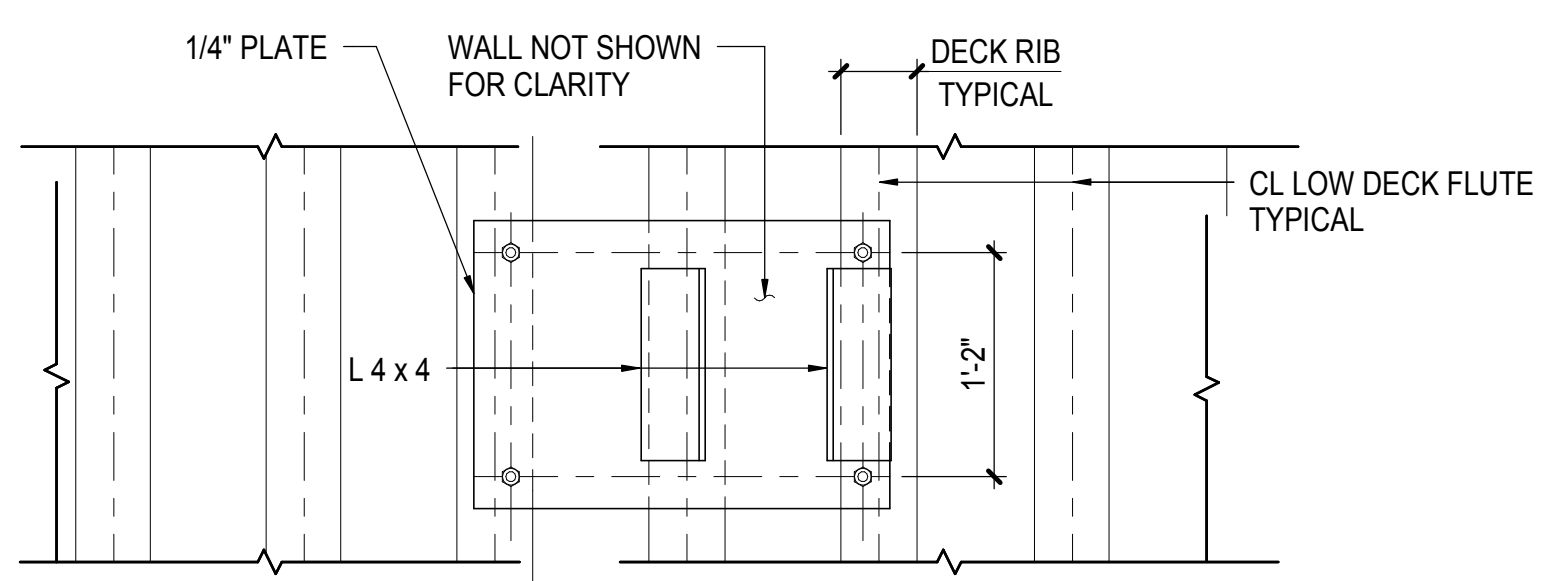


6 TYPICAL PLAN DETAIL AT MASONRY WALL WITH INTERLOCKED INTERSECTIONS (SEISMIC DESIGN CATEGORY A AND WHERE NOTED ONLY)

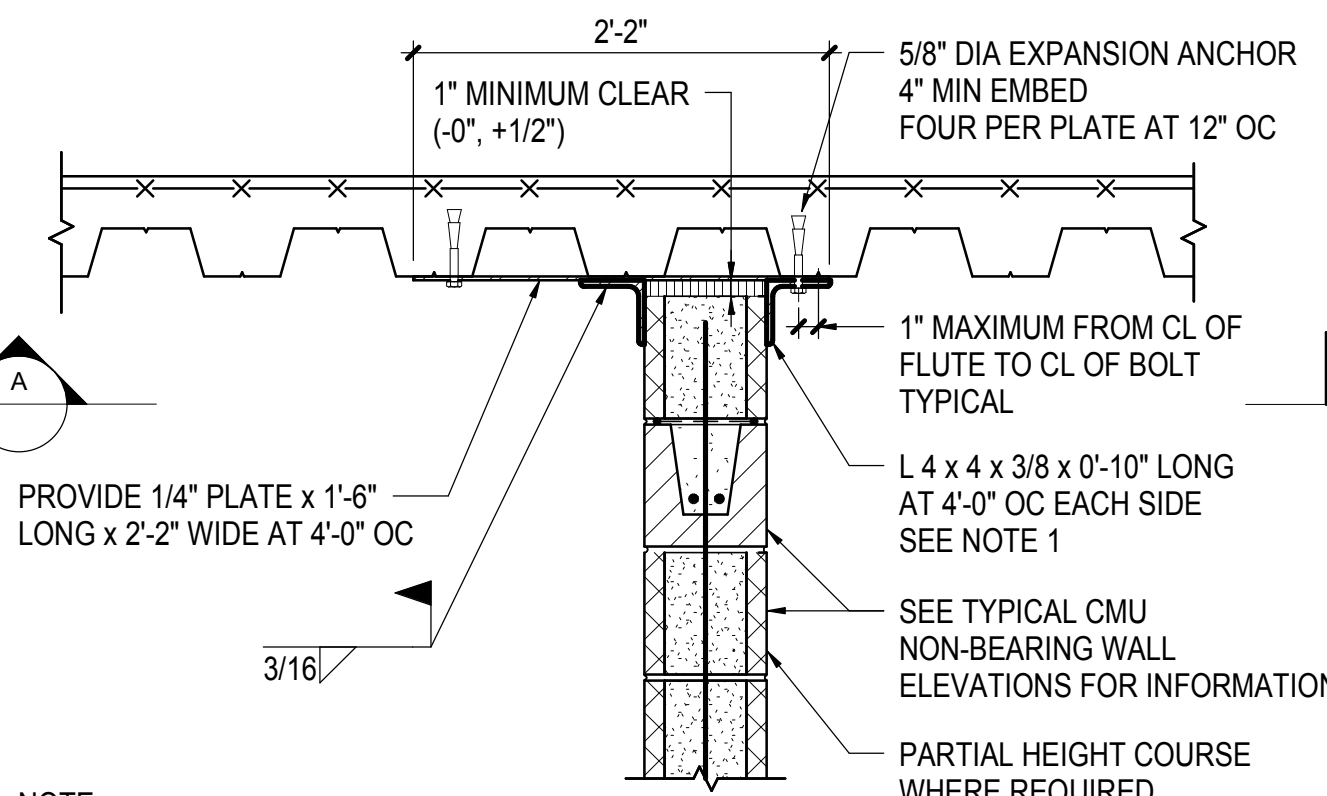
NOT TO SCALE

NOTE:
1. PROVIDE JOINT AND BOND BEAM REINFORCEMENT AS REQUIRED, SEE SCHEDULE



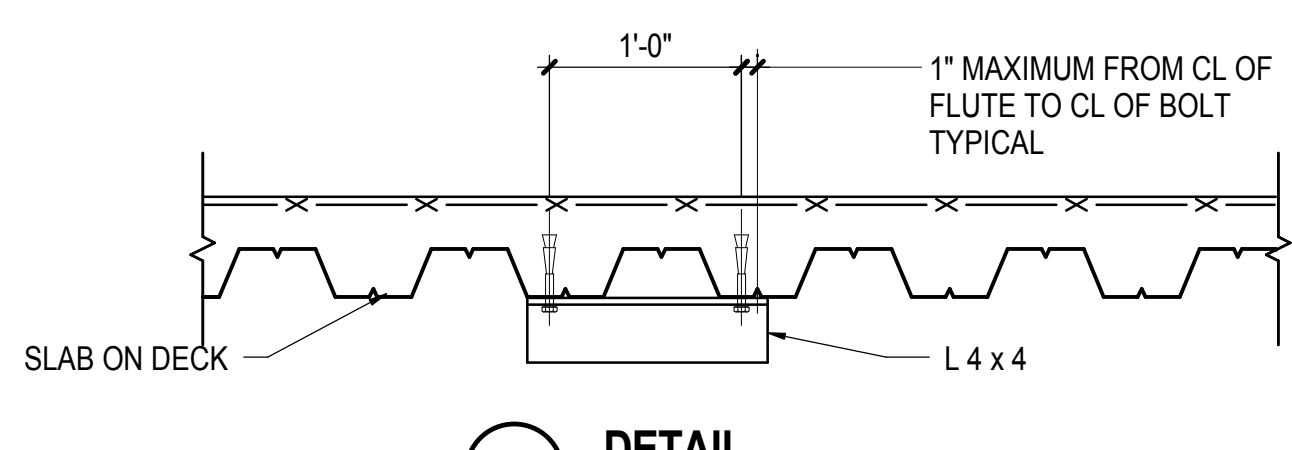


DETAIL

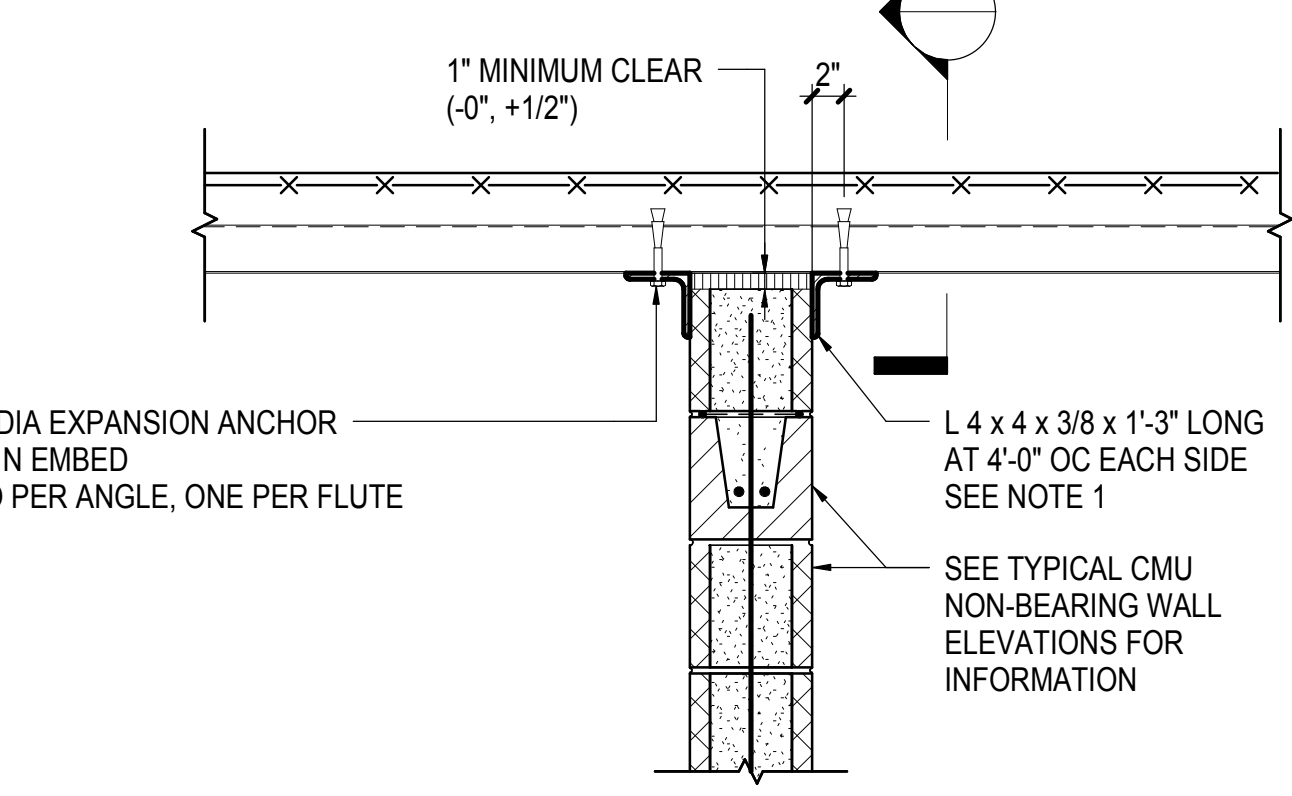


NOTE:
1. AT CONTINUOUS WALL INTERSECTIONS, SEE TYPICAL PLAN DETAIL AT MASONRY WALL WITH INTERLOCKED INTERSECTIONS FOR BRACE SPACING REQUIREMENTS

1 TYPICAL TOP BRACE DETAIL AT INTERIOR CMU WALL TO UNDERSIDE OF SLAB ON DECK - FLUTES PARALLEL NOT TO SCALE

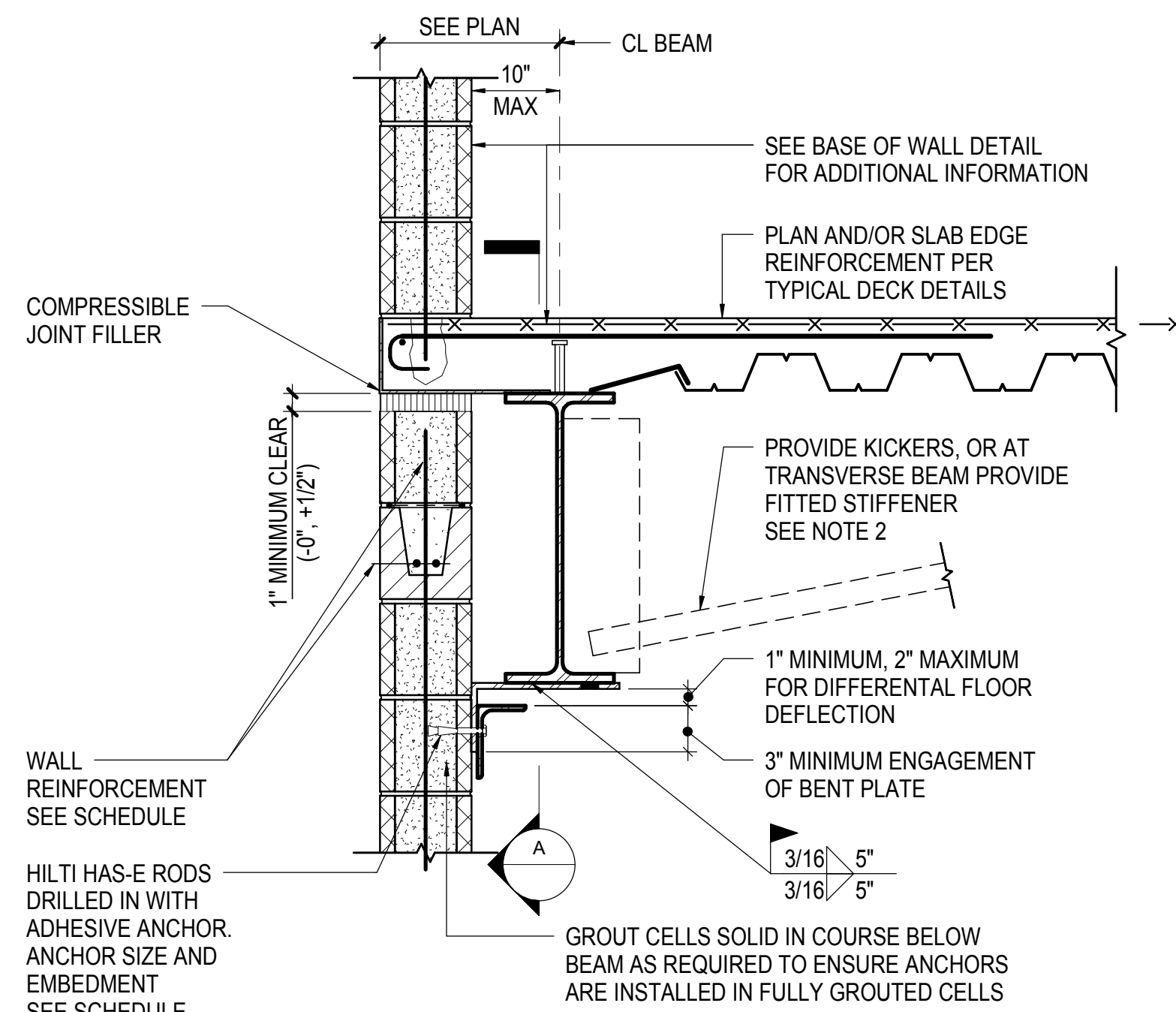


DETAIL



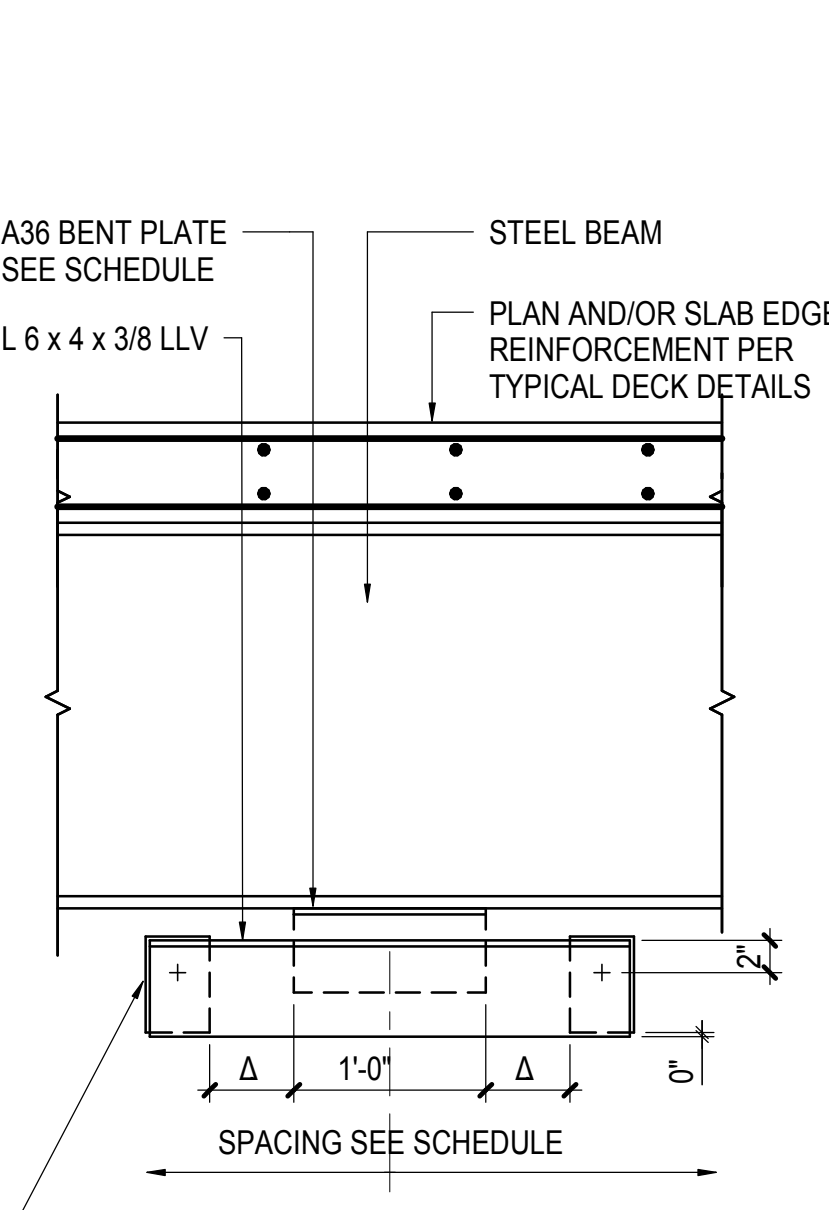
NOTE:
1. AT CONTINUOUS WALL INTERSECTIONS, SEE TYPICAL PLAN DETAIL AT MASONRY WALL WITH INTERLOCKED INTERSECTIONS FOR BRACE SPACING REQUIREMENTS

2 TYPICAL TOP BRACE DETAIL AT INTERIOR CMU WALL TO UNDERSIDE OF SLAB ON DECK - FLUTES PERPENDICULAR NOT TO SCALE



DETAIL

3 TYPICAL TOP BRACE DETAIL AT INTERIOR CMU WALL TO UNDERSIDE OF SLAB ON DECK - FLUTES PERPENDICULAR NOT TO SCALE

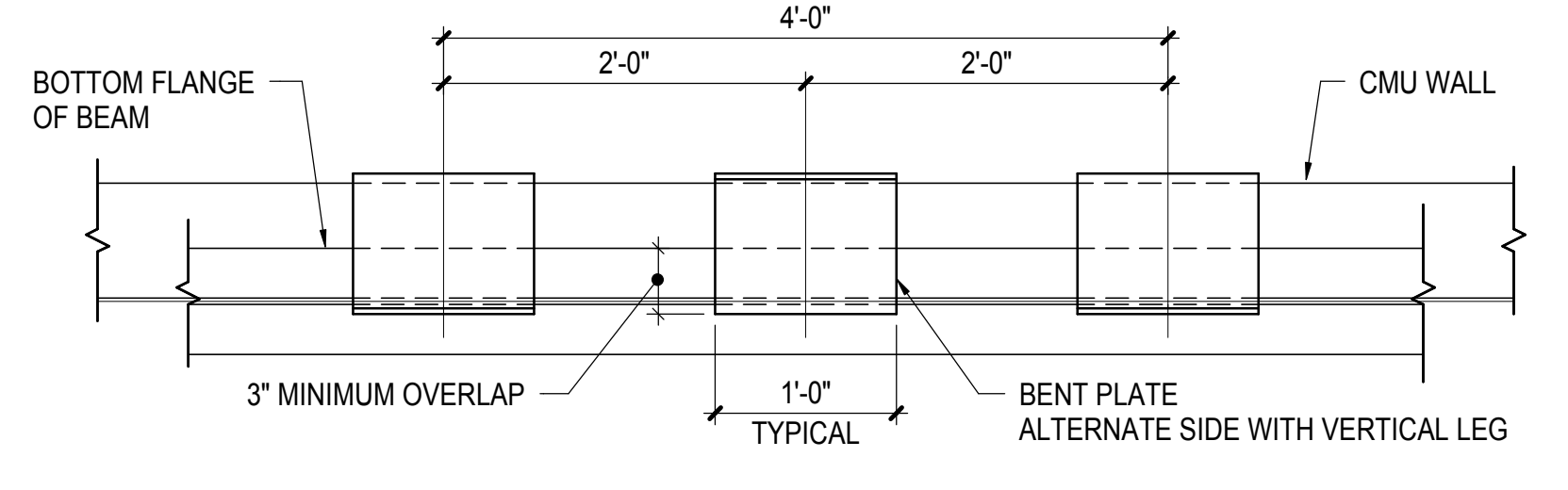


NOTE:
1. PROVIDE ADDITIONAL SHIMS IN 1/16 INCH MAXIMUM INCREMENTS SO BENT PLATE CAN SLIDE WITHOUT BINDING OR SHOWING SIGNIFICANT TRANSVERSE PLAY
2. KICKER SHALL BE PER TYPICAL SPANDREL OR BRACED BEAM KICKER CONNECTION DETAIL. FITTED STIFFENER SHALL BE PER TYPICAL FULL HEIGHT FITTED STIFFENER AT SPANDREL OR BRACED BEAM CONNECTION DETAIL.

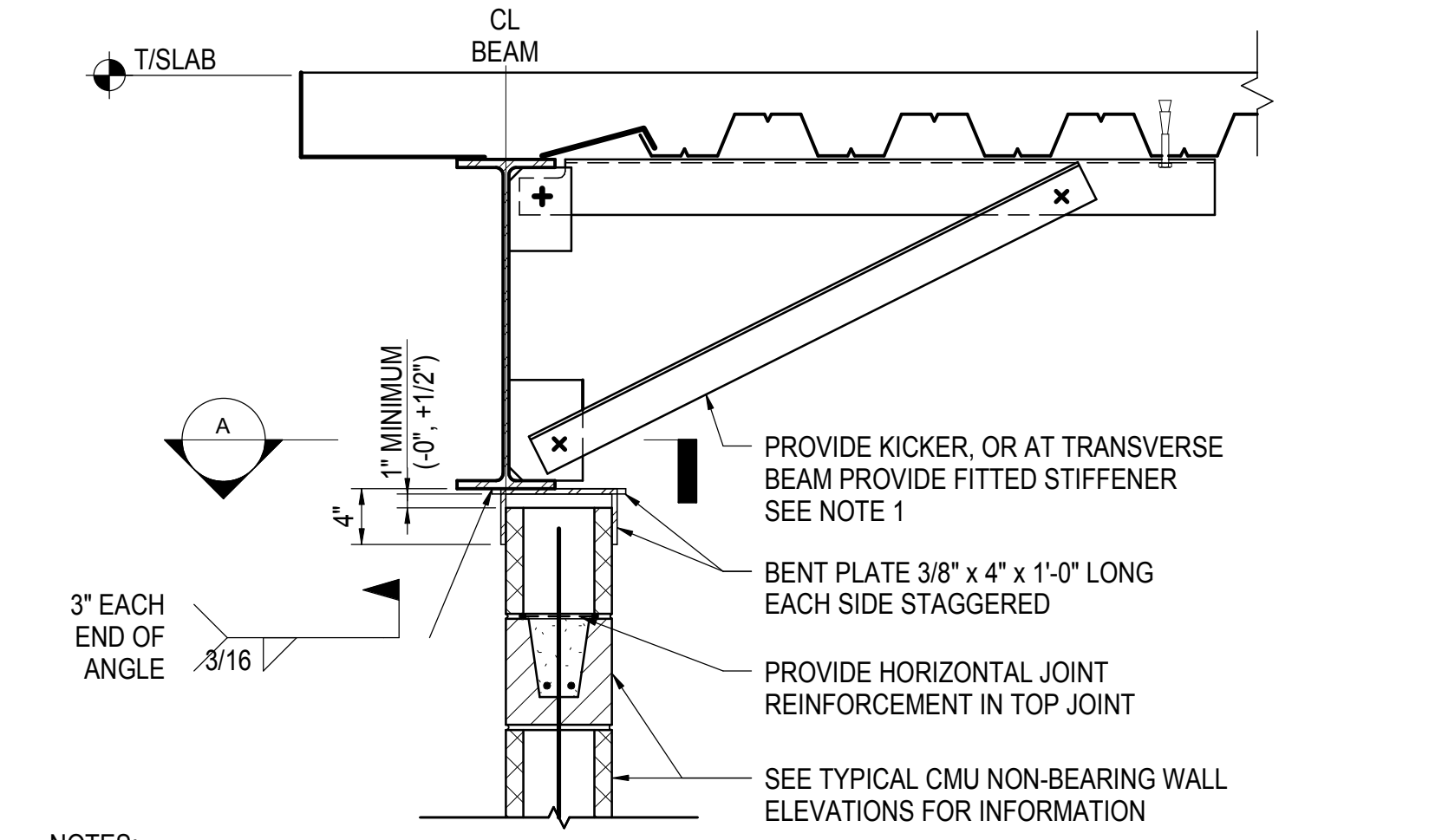
DETAIL

| SEISMIC DESIGN CATEGORY | WALL TYPE | MAXIMUM WALL HEIGHT | ASSEMBLY SPACING | ANCHOR SIZE | ANCHOR EMBEDMENT | BENT PL THICKNESS |
|-------------------------|-----------|---------------------|------------------|-------------|------------------|-------------------|
| A, B, C | 6" | 14'-0" | 4'-0" | 3/8" DIA | 3 1/2" | 3/8" |
| A, B, C | 8" | 19'-0" | 4'-0" | 5/8" DIA | 5" | 3/8" |
| A, B, C | 10" | 17'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 3/8" |
| A, B, C | 10" | 23'-6" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| A, B, C | 12" | 26'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| A, B, C | 12" | 29'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 5/8" |
| D, E, F | 6" | 14'-0" | 4'-0" | 3/8" DIA | 3 1/2" | 3/8" |
| D, E, F | 8" | 15'-0" | 4'-0" | 5/8" DIA | 5" | 3/8" |
| D, E, F | 8" | 19'-0" | 4'-0" | 5/8" DIA | 5" | 1/2" |
| D, E, F | 10" | 23'-6" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| D, E, F | 12" | 18'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| D, E, F | 12" | 29'-0" | 3'-0" | 3/4" DIA | 6 5/8" | 5/8" |

NOTE:
1. PROVIDE ADDITIONAL SHIMS IN 1/16 INCH MAXIMUM INCREMENTS SO BENT PLATE CAN SLIDE WITHOUT BINDING OR SHOWING SIGNIFICANT TRANSVERSE PLAY
2. KICKER SHALL BE PER TYPICAL SPANDREL OR BRACED BEAM KICKER CONNECTION DETAIL. FITTED STIFFENER SHALL BE PER TYPICAL FULL HEIGHT FITTED STIFFENER AT SPANDREL OR BRACED BEAM CONNECTION DETAIL.

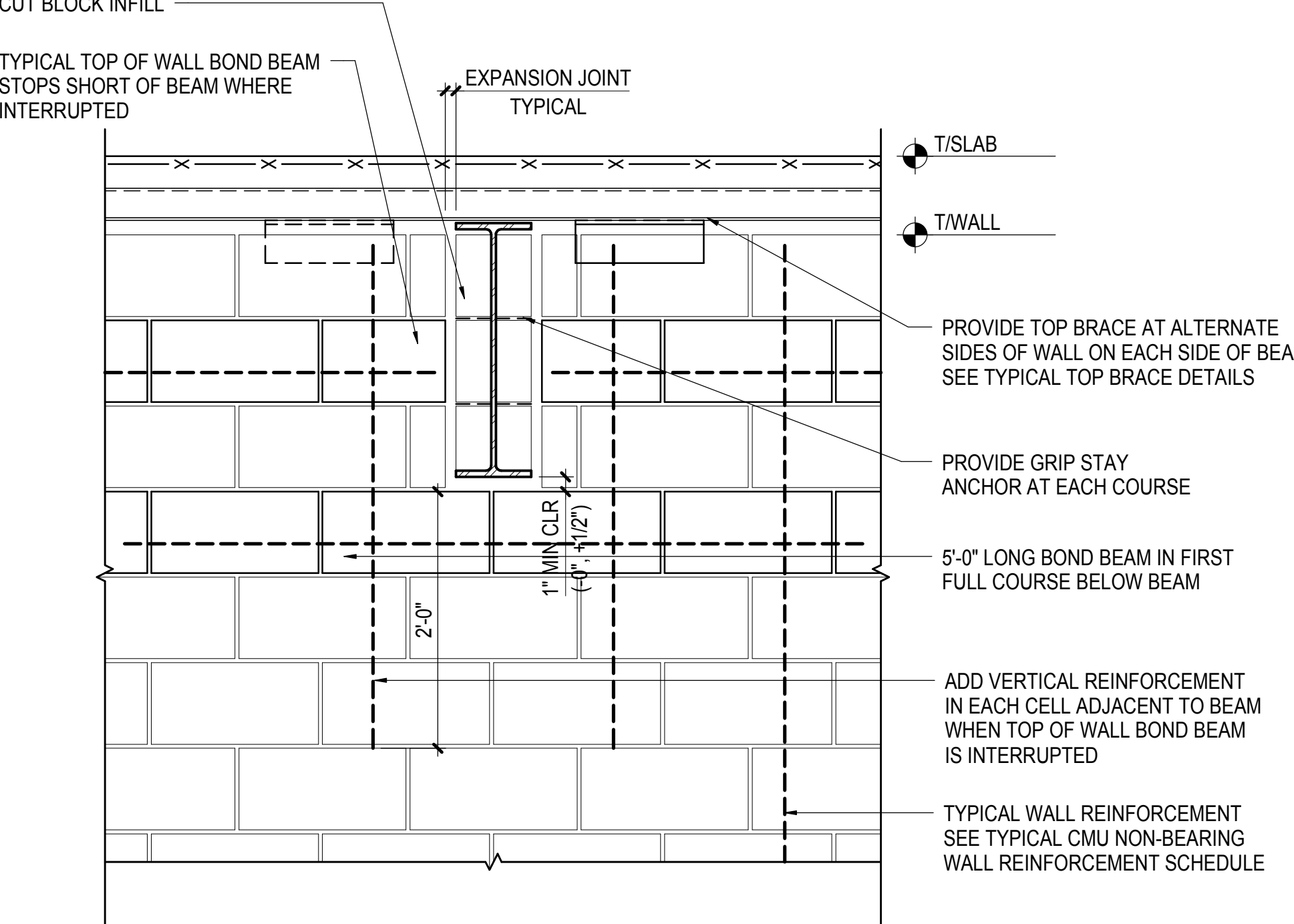


DETAIL

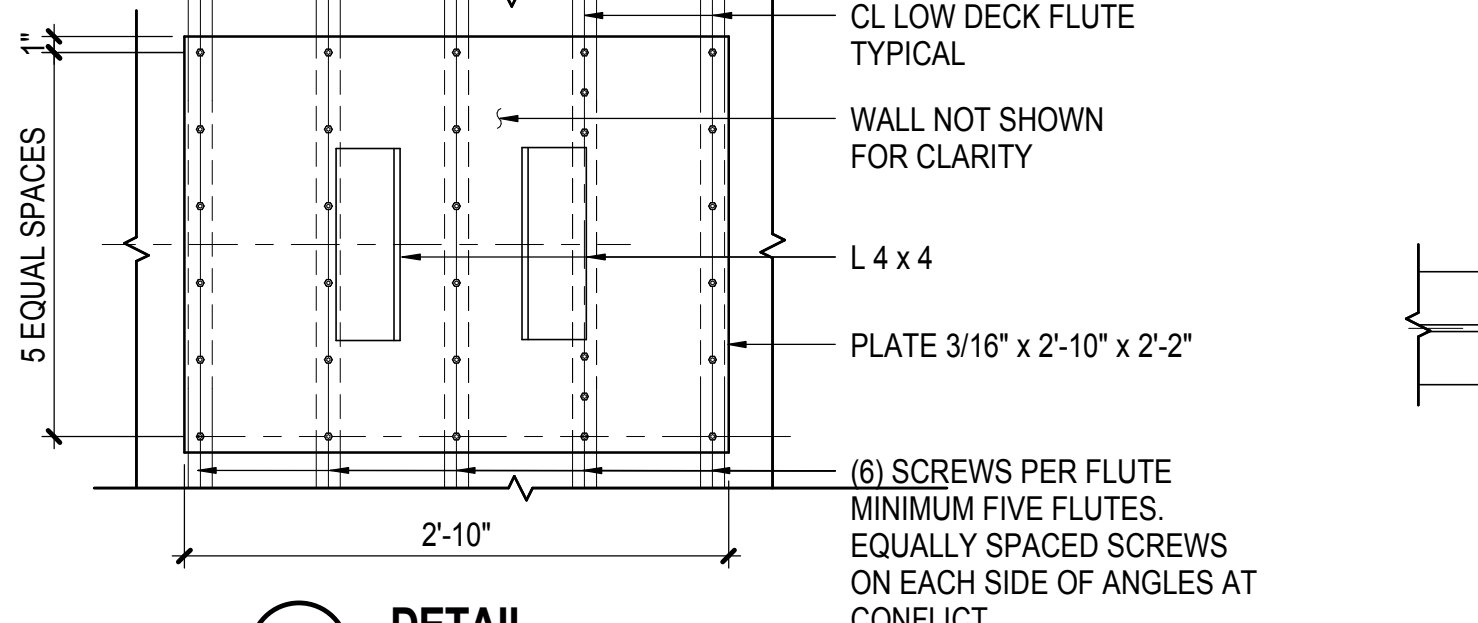


NOTE:
1. FOR INTERIOR WALLS WITH HEIGHT <= 23'-6", KICKER SHALL BE PER TYPICAL KICKER DETAIL (P < 2,000 LBS)
2. INTERIOR WALLS WITH HEIGHT > 23'-6", PROVIDE KICKER PER TYPICAL KICKER DETAIL (2,000 LBS <= P < 5,000 LBS)
3. FITTED STIFFENER AT PERPENDICULAR BEAMS SHALL BE PER TYPICAL FULL HEIGHT FITTED STIFFENER AT SPANDREL OR BRACED BEAM CONNECTION DETAIL

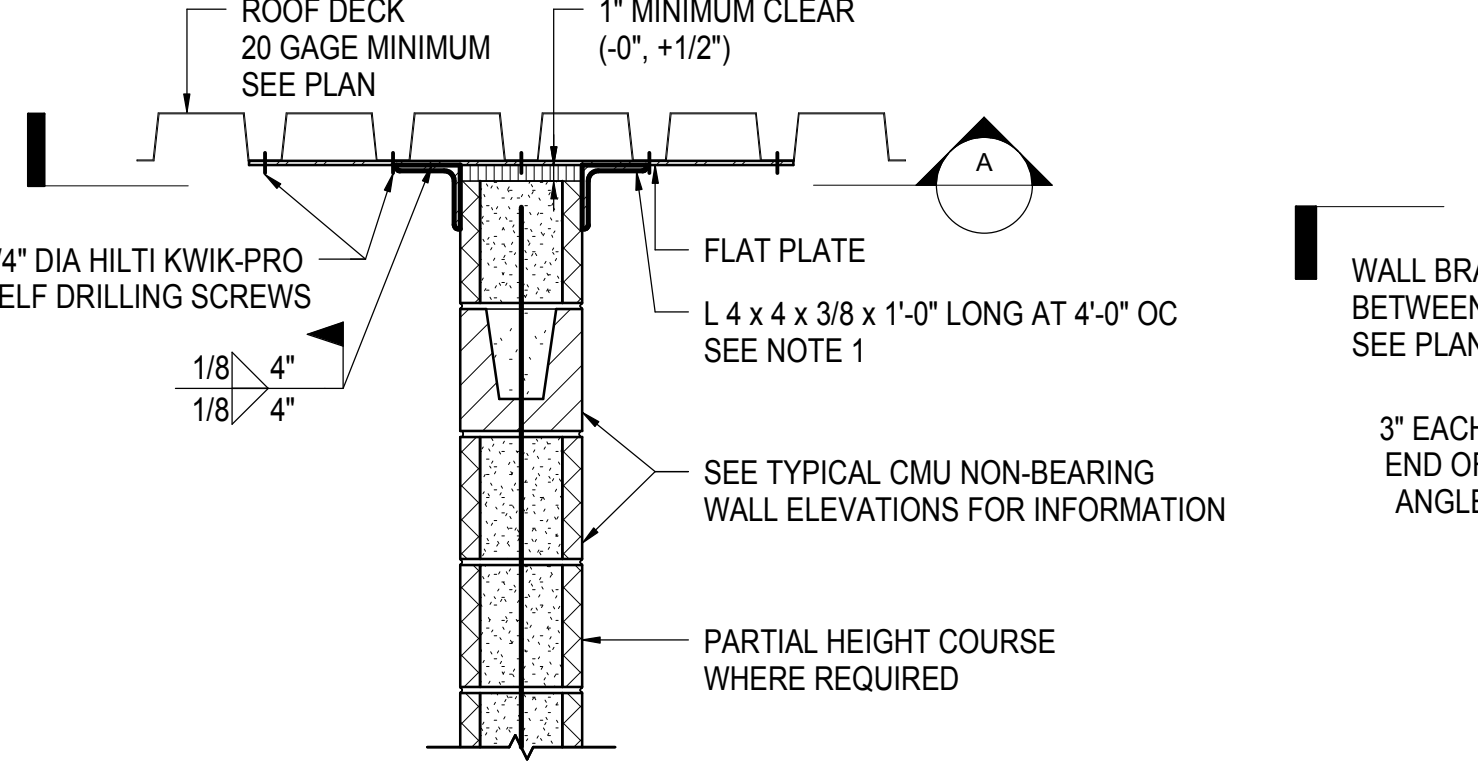
4 TYPICAL TOP BRACE DETAIL UNDER STEEL BEAM NOT TO SCALE



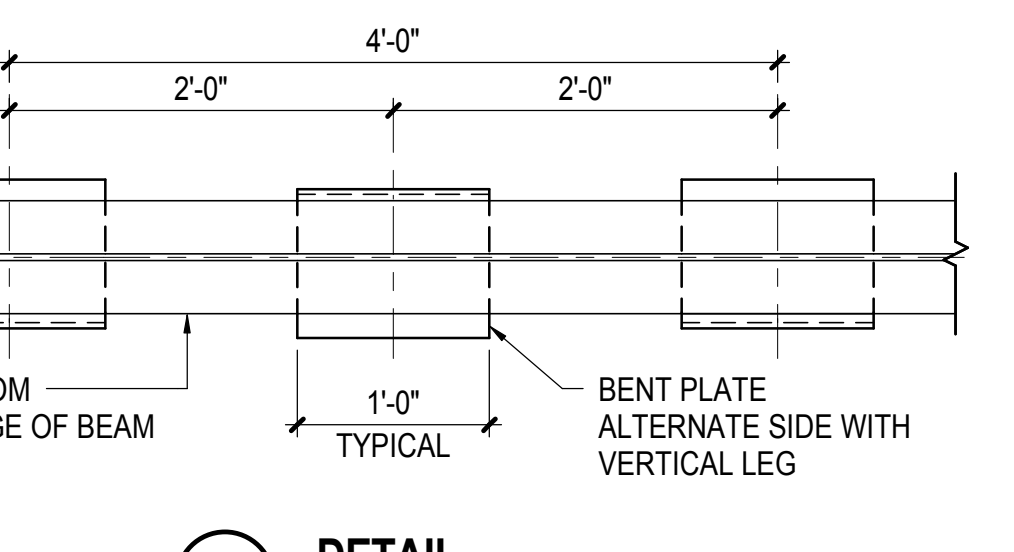
5 TYPICAL DETAIL OF CMU NON-BEARING WALL AT PERPENDICULAR STEEL BEAM NOT TO SCALE



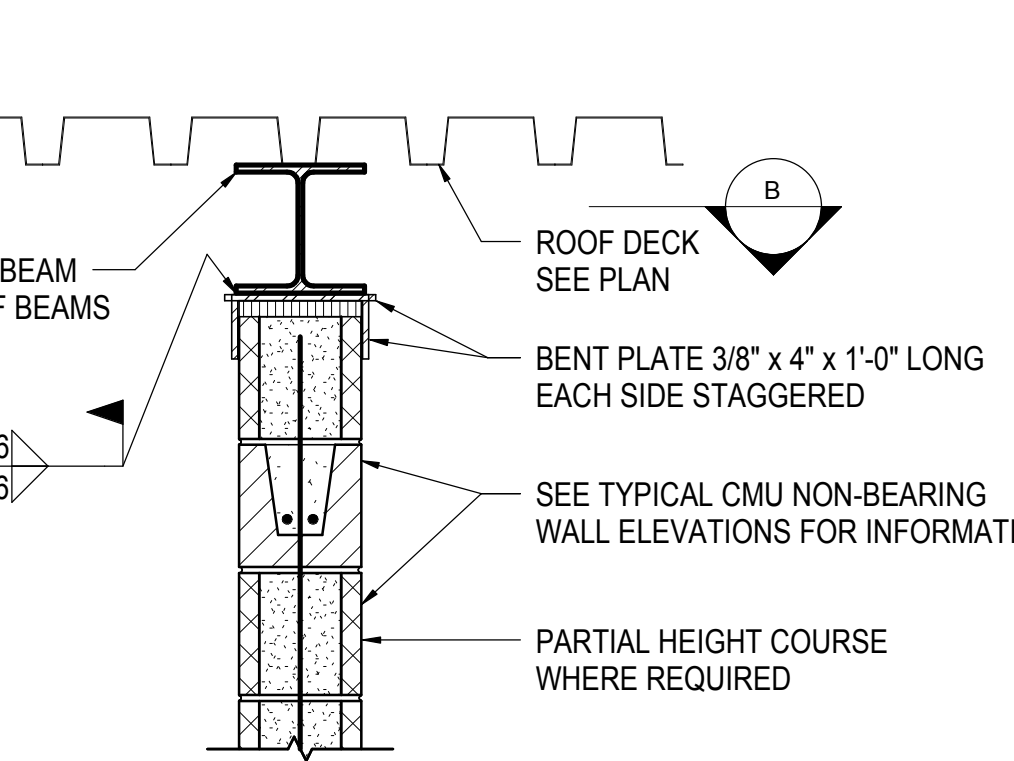
DETAIL



CMU TO ROOF DECK CONNECTION - TYPE 1



DETAIL



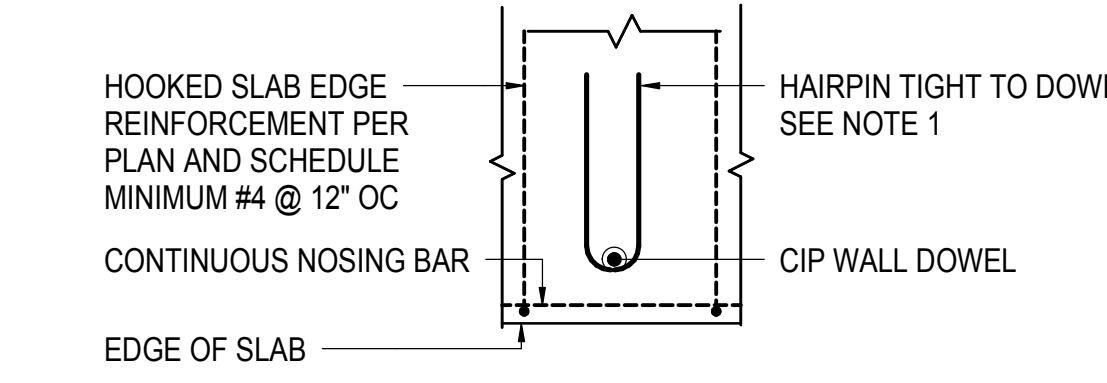
CMU TO ROOF DECK CONNECTION - TYPE 2

| SEISMIC DESIGN CATEGORY | IMPORTANCE FACTOR I _p | WALL HEIGHT (FT) | CONNECTION TYPE |
|-------------------------|----------------------------------|------------------|-----------------|
| A | 1.0/1.5 | ALL | 1 |
| B, C | 1.0 | ALL | 1 |
| B, C | 1.5 | ≤ 14.5 | 1 |
| B, C | 1.5 | > 14.5 | 2 |
| D, E, F | 1.0/1.5 | ≤ 14.5 | 1 |
| D, E, F | 1.0/1.5 | > 14.5 | 2 |

NOTE:
1. AT CONTINUOUS WALL INTERSECTIONS, SEE TYPICAL PLAN DETAIL AT MASONRY WALL WITH INTERLOCKED INTERSECTIONS FOR BRACE SPACING REQUIREMENTS

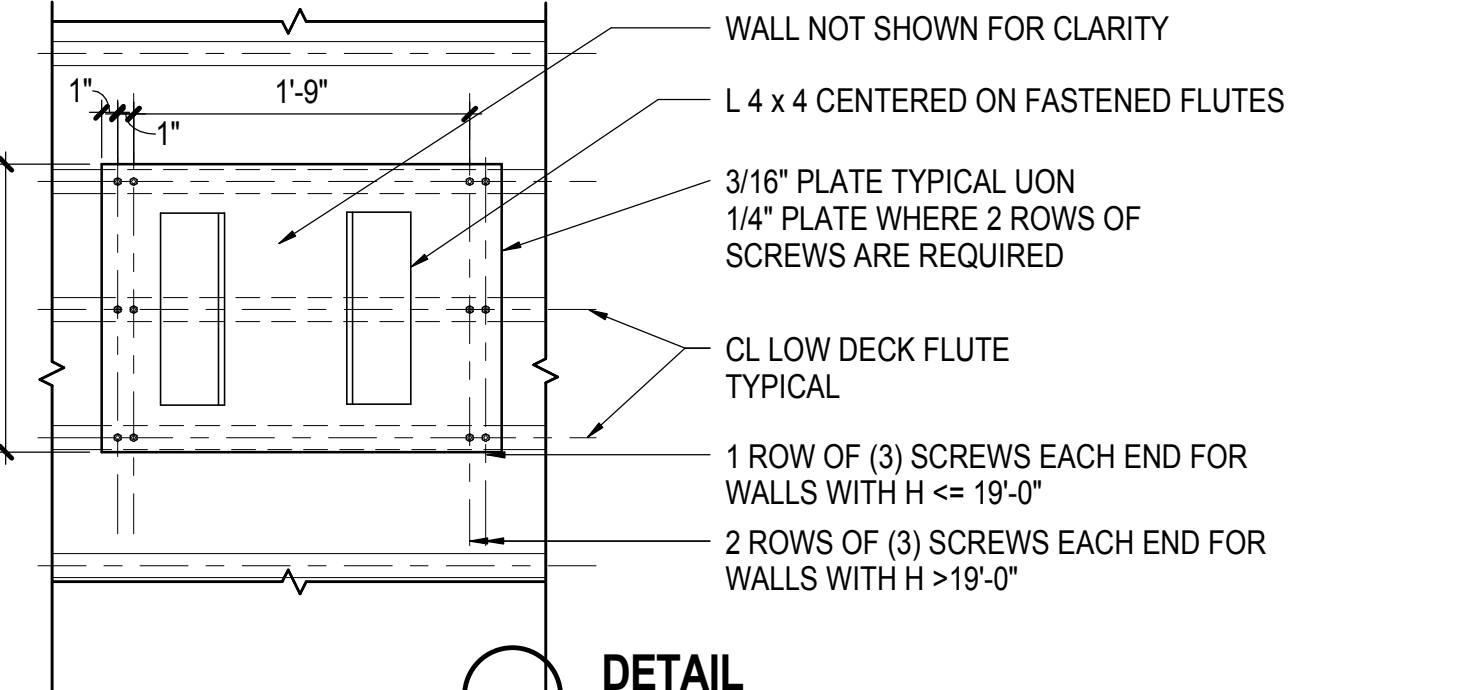
6 TYPICAL TOP BRACE DETAIL AT INTERIOR CMU WALL TO UNDERSIDE OF ROOF DECK - FLUTES PARALLEL NOT TO SCALE

| SEISMIC DESIGN CATEGORY | IMPORTANCE FACTOR I _p | DOWEL TYPE | MAX #4 DOWEL SPACING (SEE NOTE 1) | HAIRPIN PER DETAIL D |
|-------------------------|----------------------------------|-------------------|---|----------------------|
| A, B | 1.0 | CIP OR DRILLED IN | 48" | NO |
| A, B | 1.5 | CIP OR DRILLED IN | 48" TYP UON 24" FOR WALLS H>20'-0" | NO |
| C | 1.0 | CIP | 48" | YES |
| C | 1.5 | CIP | 48" TYP UON 24" FOR WALLS H>20'-0" | YES |
| D, E, F | 1.0/1.5 | CIP | 48" FOR 6" & 8" WALLS 24" FOR 10" & 12" WALLS | YES |

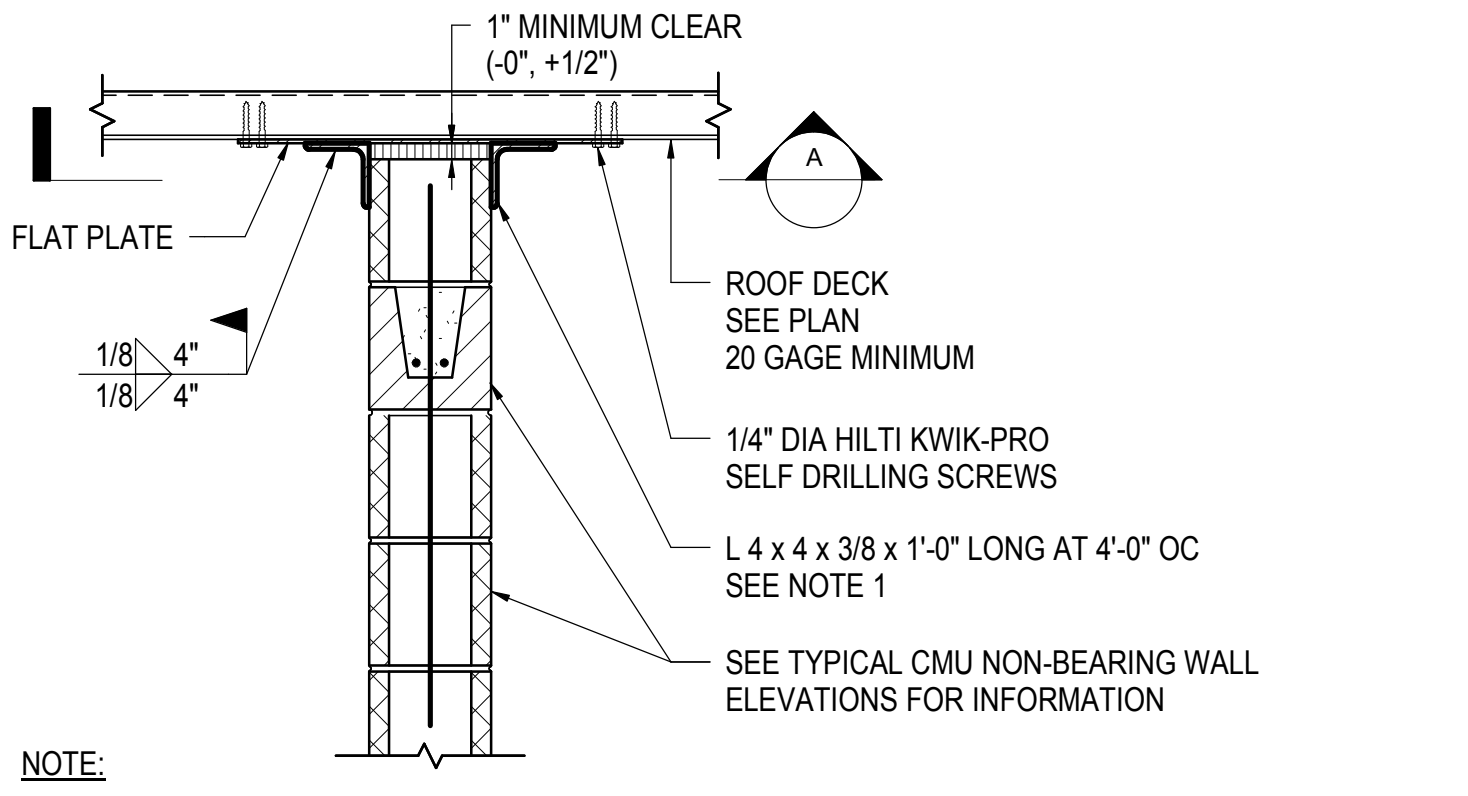


NOTE:
1. PROVIDE #3 x 1'-8" LONG HAIRPIN FOR SEISMIC DESIGN CATEGORY C, AND #4 x 2'-0" LONG HAIRPIN FOR SEISMIC DESIGN CATEGORY D, E & F

7 TYPICAL ANCHOR REINFORCEMENT - PLAN

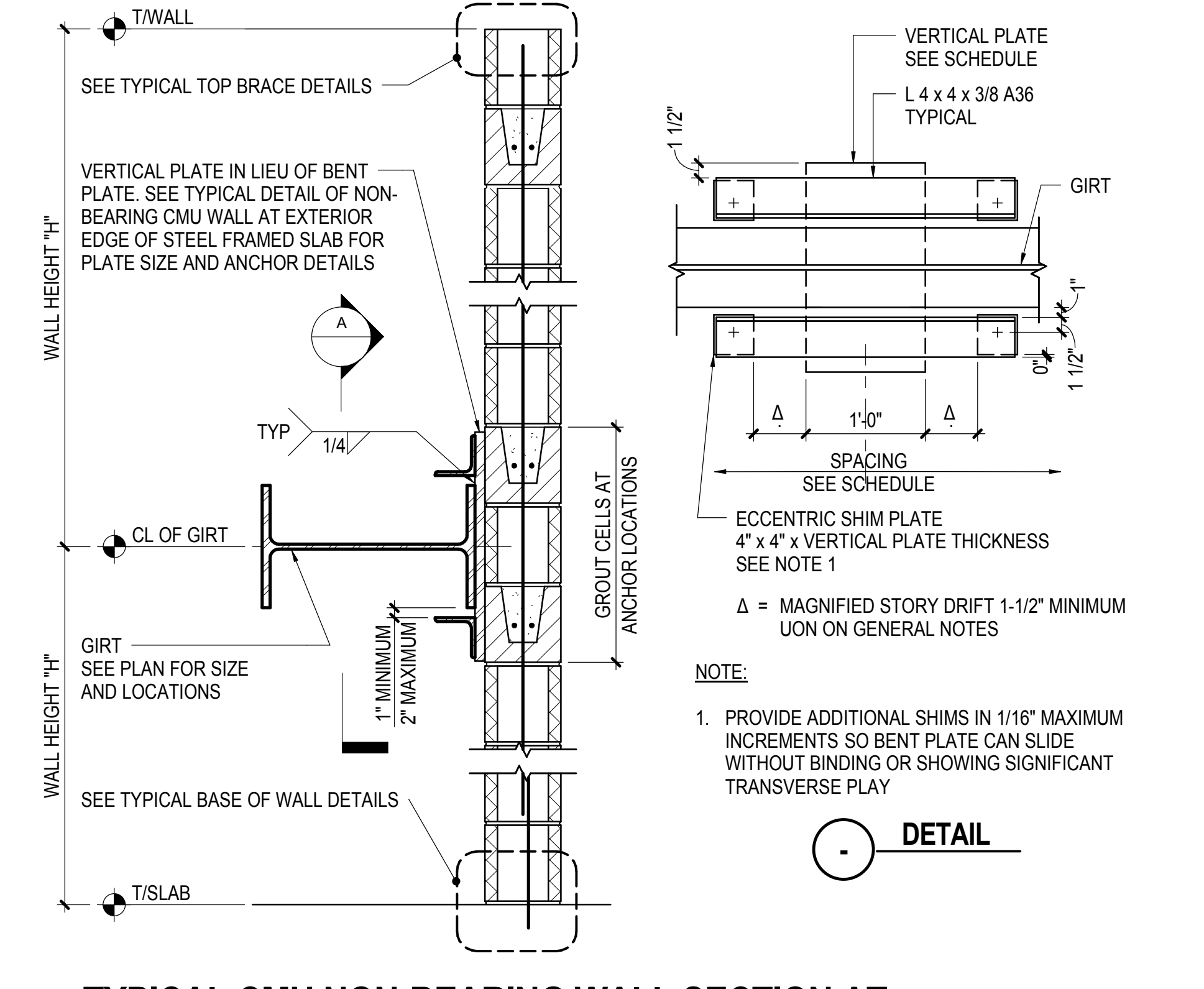


DETAIL

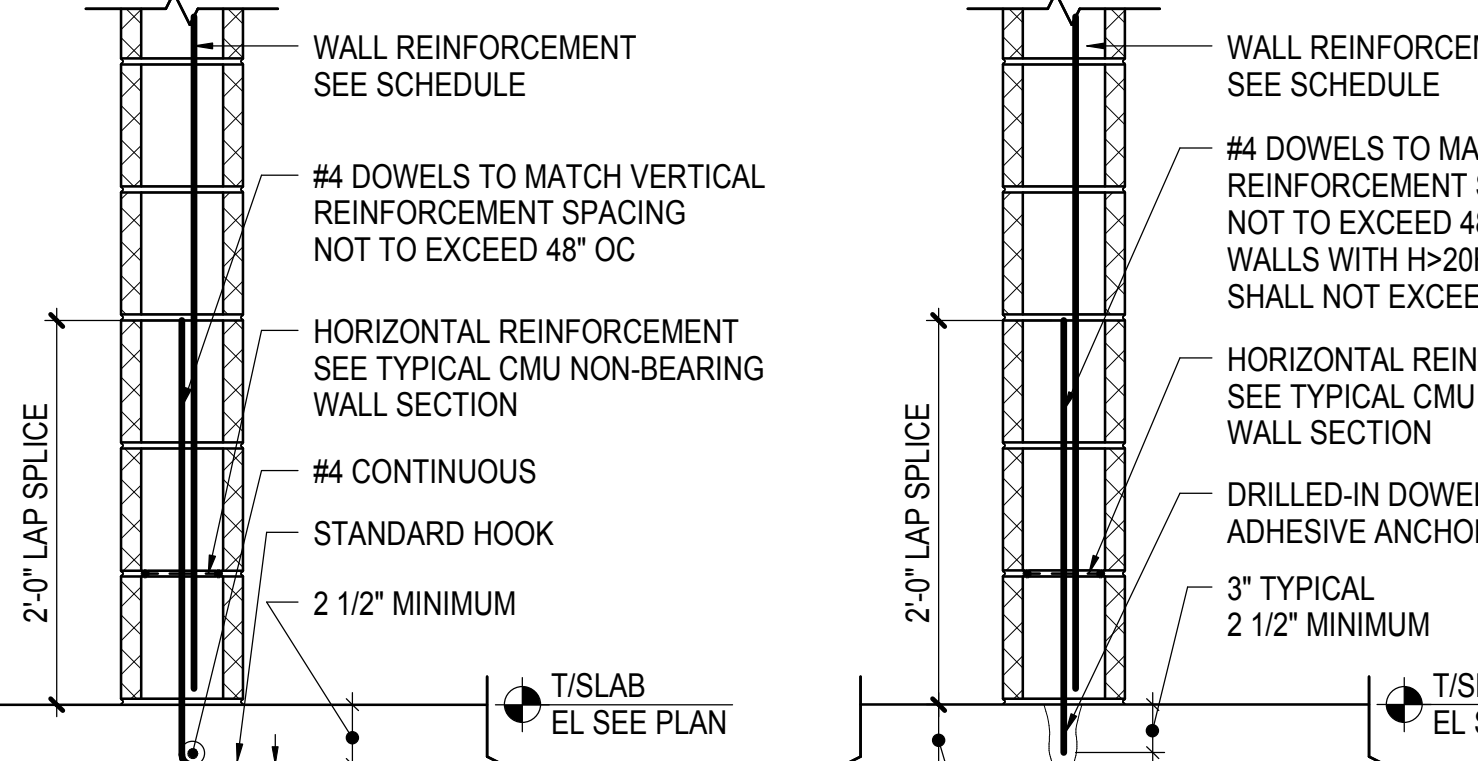


NOTE:
1. AT CONTINUOUS WALL INTERSECTIONS, SEE TYPICAL PLAN DETAIL AT MASONRY WALL WITH INTERLOCKED INTERSECTIONS FOR BRACE SPACING REQUIREMENTS

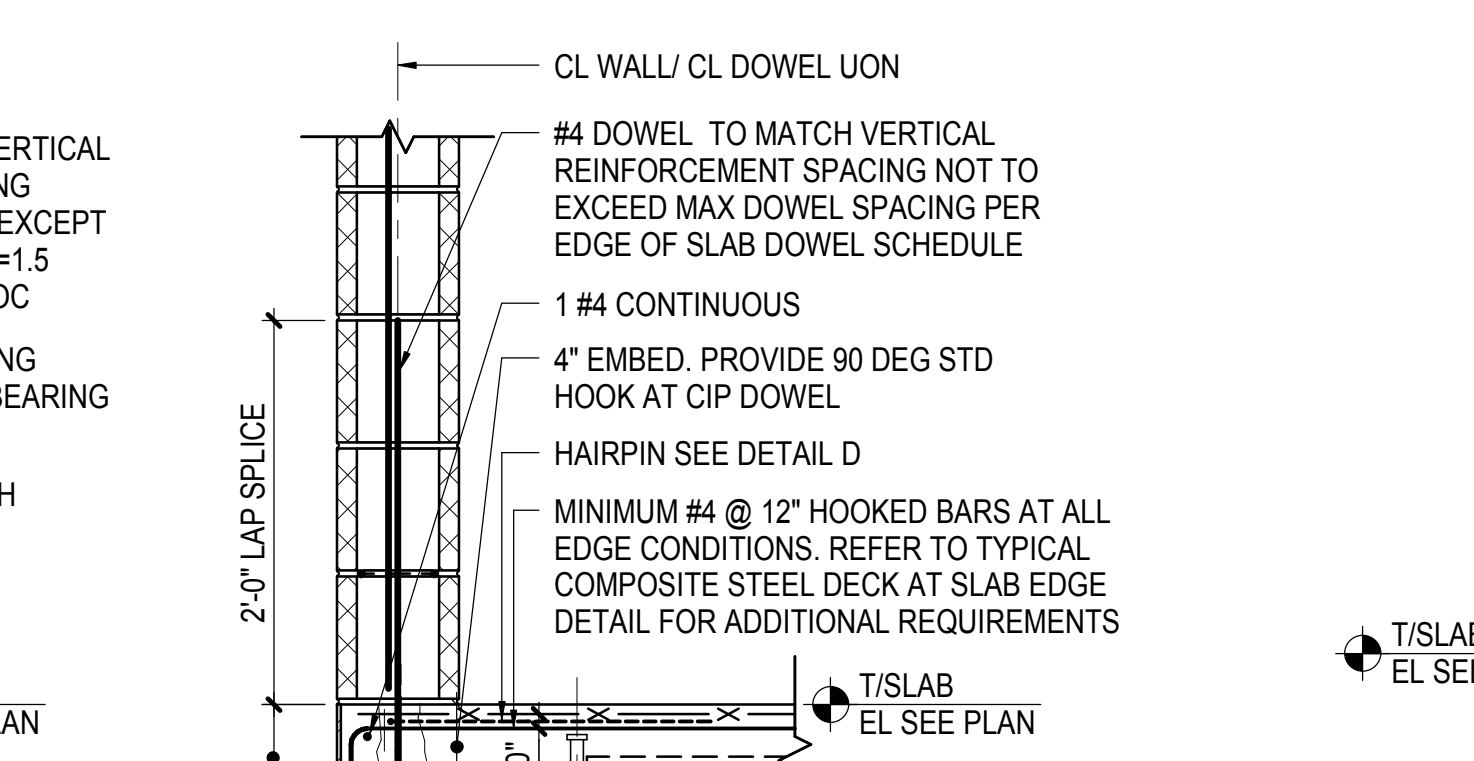
8 TYPICAL TOP BRACE DETAIL AT INTERIOR CMU WALL TO UNDERSIDE OF ROOF DECK - FLUTES PERPENDICULAR NOT TO SCALE



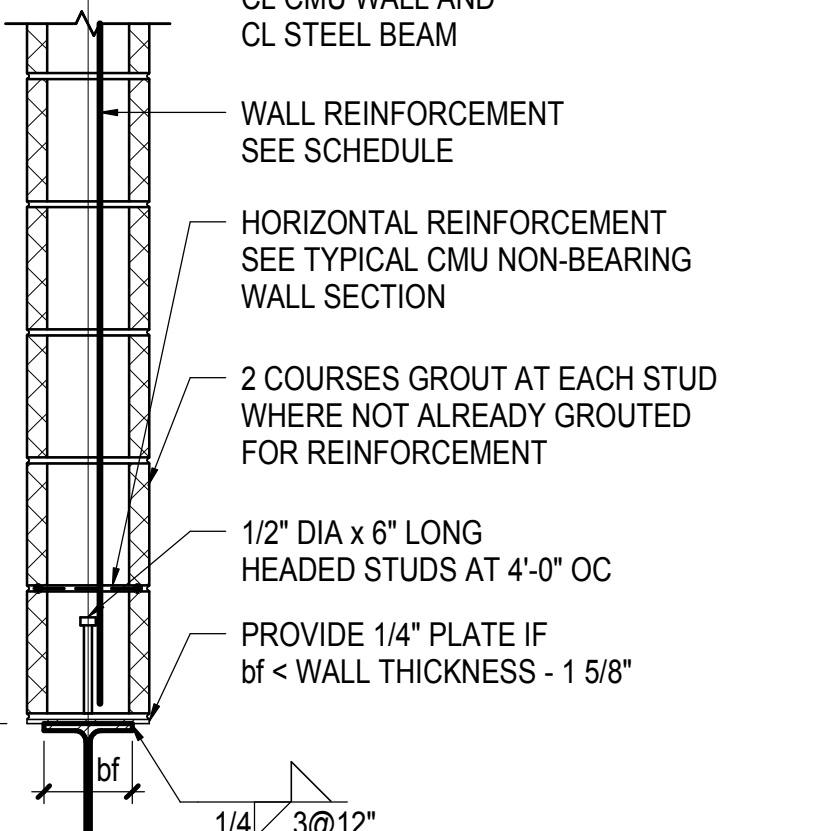
8 TYPICAL CMU NON-BEARING WALL SECTION AT INTERMEDIATE GIRTS NOT TO SCALE



9 CAST-IN DOWELS - OPTION 1 (INTERIOR WALL)



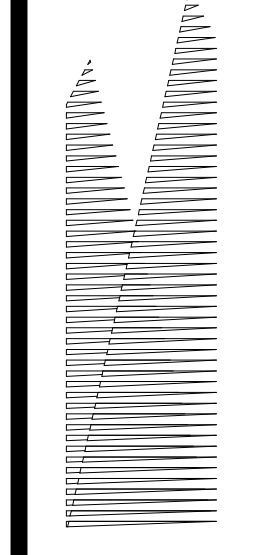
10 DRILLED-IN DOWELS - OPTION 2 (INTERIOR WALL)



11 TYPICAL DETAIL AT EDGE OF SLAB

9 TYPICAL BASE OF CMU WALL DETAIL AT SLAB ON DECK NOT TO SCALE

10 TYPICAL DETAIL OF CMU WALL BEARING ON STEEL BEAM NOT TO SCALE



Client Related Companies 60 Columbus Circle New York, NY 10023 Tel: 212.801.1000 Fax: 212.801.1048

Contract Manager Fishman Construction Corporation 100 Park Avenue, 5th Floor New York, NY 10017 Tel: 212.708.3600

Structural Engineer Thornton Tomasetti, Inc. 51 Madison Avenue New York, NY 10010 Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security Parsons Transportation Group 100 Broadway New York, NY 10005 Tel: 212.266.8300 Fax: 212.571.6825

JLRB Ventilation Ove Arup & Partners P.C. 77 Water Street New York, NY 10005 Tel: 212.896.3000

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| NYC DOB FILING | 12/4/2013 |
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| Δ D142 PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
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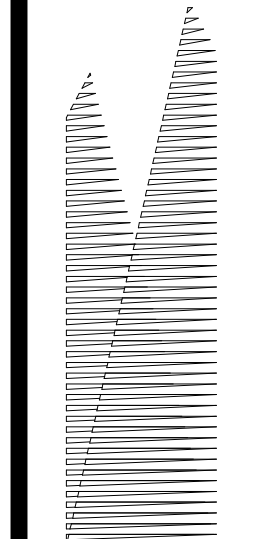
Rev. Plan

Date: 10/03/2013
Project No: N11330.00
Title: Author

HYE - PL - S-742.00
Drawing Title

TYPICAL MASONRY NON-BEARING WALL TO STEEL DETAILS

S-742.00
Sheet 186 OF 201



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Related Companies
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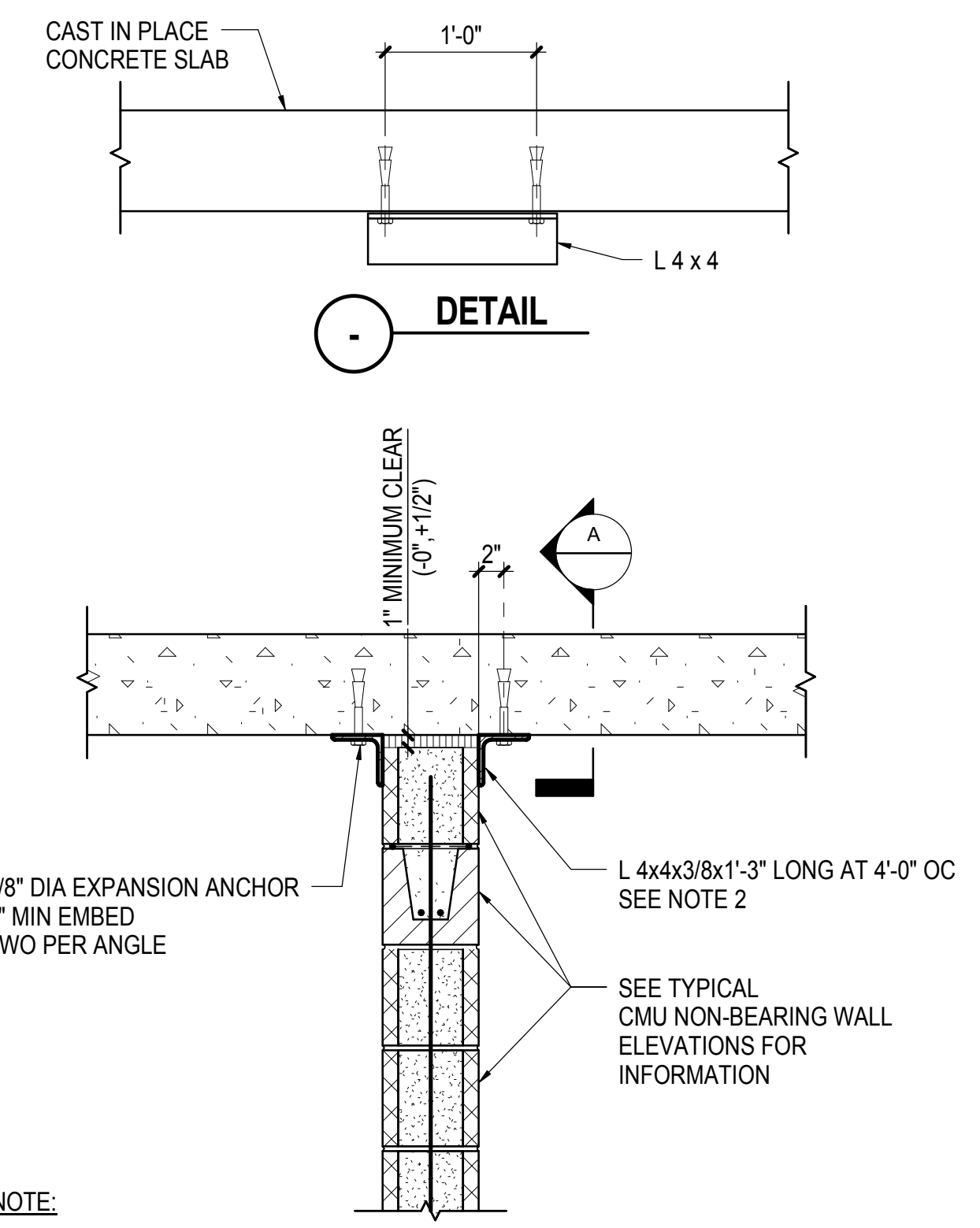
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Fire Alarm, Fire Protection, Security
Panors Transportation Group
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Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
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Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
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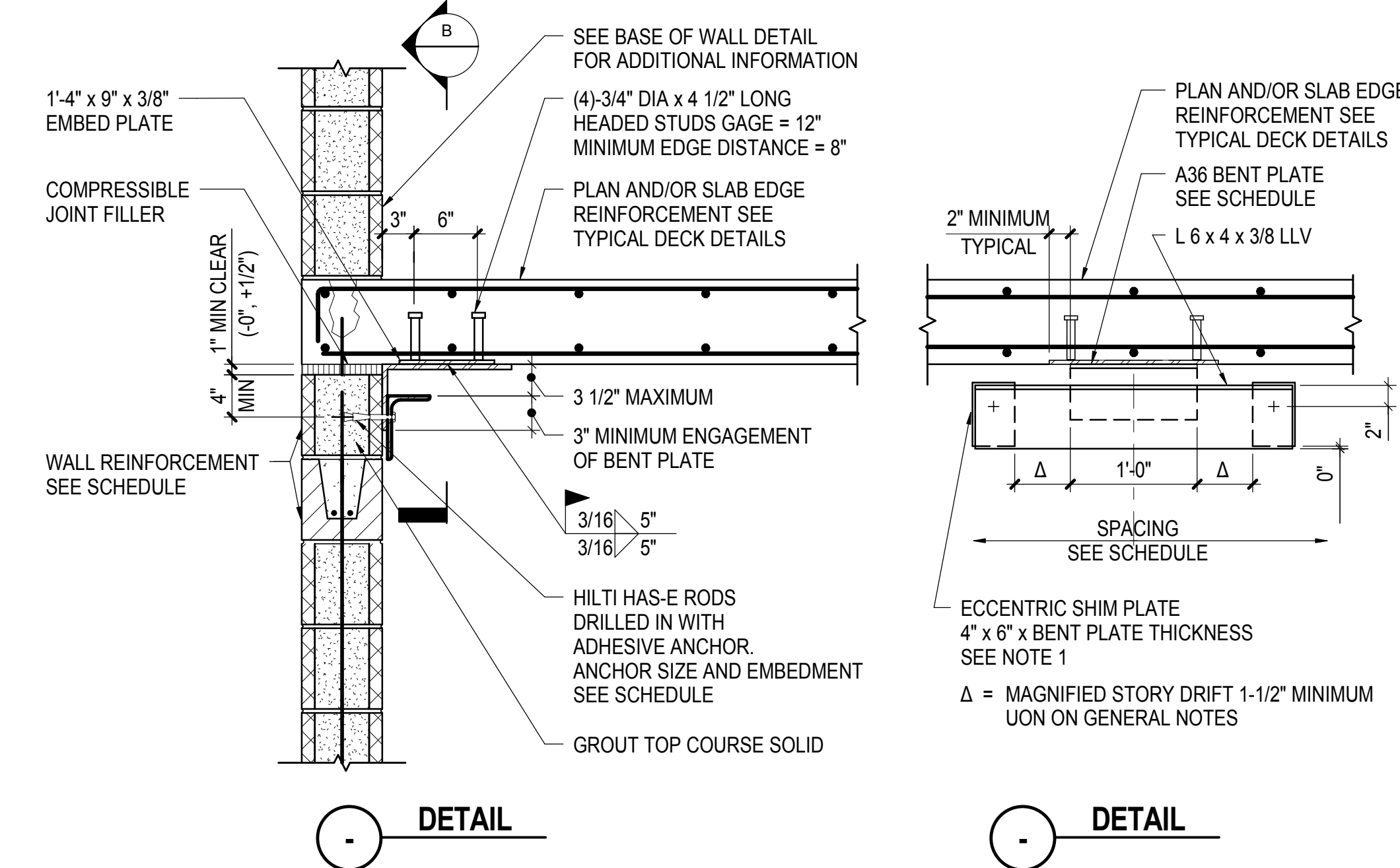
| SEISMIC DESIGN CATEGORY | WALL TYPE | MAXIMUM WALL HEIGHT | ASSEMBLY SPACING | ANCHOR SIZE | ANCHOR EMBEDMENT | BENT PL THICKNESS |
|-------------------------|-----------|---------------------|------------------|-------------|------------------|-------------------|
| A, B, C | 6" | 14'-0" | 4'-0" | 3/8" DIA | 3 1/2" | 3/8" |
| A, B, C | 8" | 19'-0" | 4'-0" | 5/8" DIA | 5" | 3/8" |
| A, B, C | 10" | 17'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 3/8" |
| A, B, C | 10" | 23'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| A, B, C | 12" | 26'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| A, B, C | 12" | 29'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 5/8" |
| D, E, F | 6" | 14'-0" | 4'-0" | 3/8" DIA | 3 1/2" | 3/8" |
| D, E, F | 8" | 15'-0" | 4'-0" | 5/8" DIA | 5" | 3/8" |
| D, E, F | 8" | 19'-0" | 4'-0" | 5/8" DIA | 5" | 1/2" |
| D, E, F | 10" | 23'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| D, E, F | 12" | 18'-0" | 4'-0" | 3/4" DIA | 6 5/8" | 1/2" |
| D, E, F | 12" | 29'-0" | 3'-0" | 3/4" DIA | 6 5/8" | 5/8" |

NOTE:
1. PROVIDE ADDITIONAL SHIMS IN 11/8" MAXIMUM INCREMENTS SO BENT PLATE CAN SLIDE WITHOUT BINDING OR SHOWING SIGNIFICANT TRANSVERSE PLAY

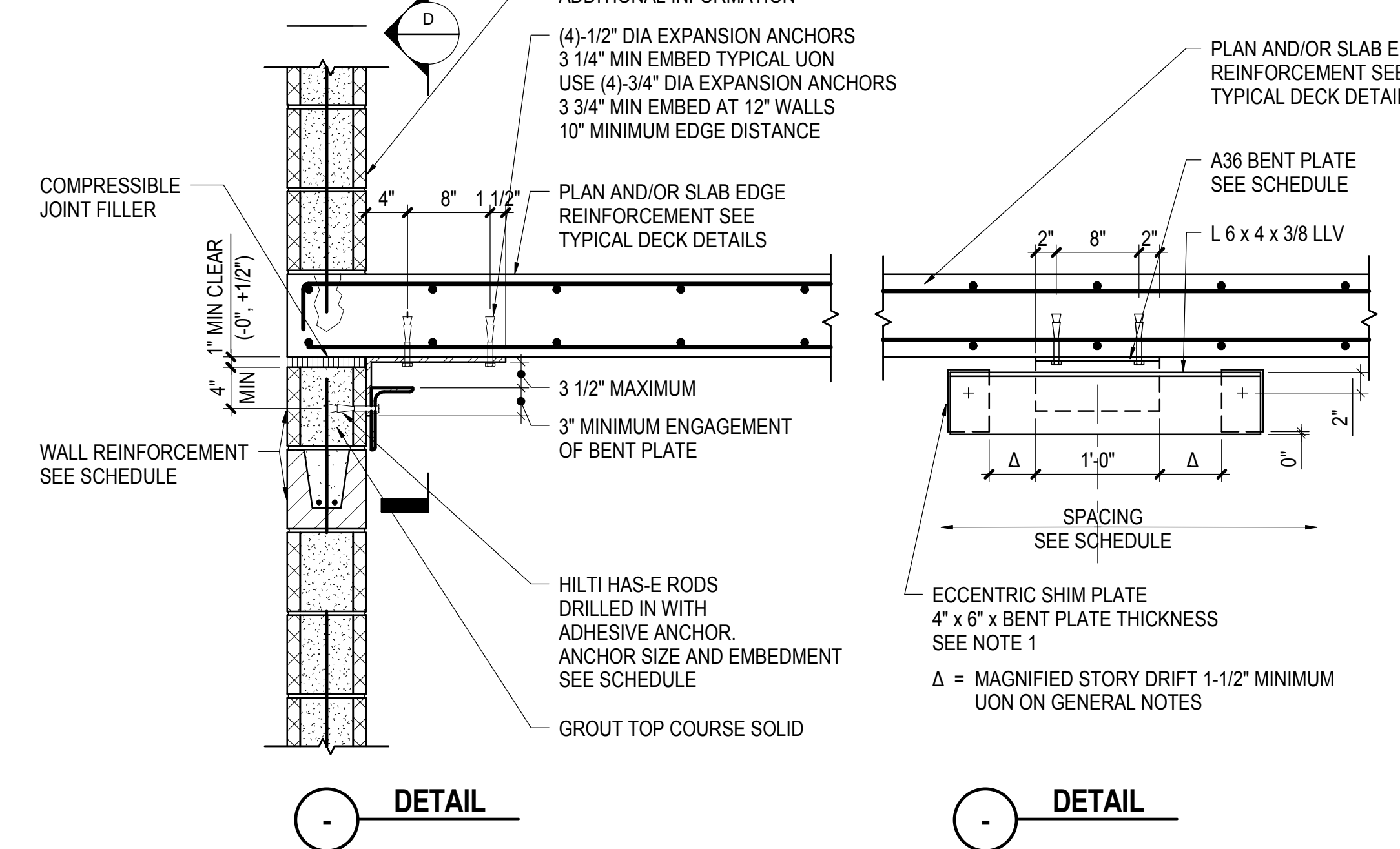


NOTE:
1. AT CONTINUOUS WALL INTERSECTIONS, SEE TYPICAL PLAN DETAIL AT MASONRY WALL WITH INTERLOCKED INTERSECTIONS FOR BRACE SPACING REQUIREMENTS

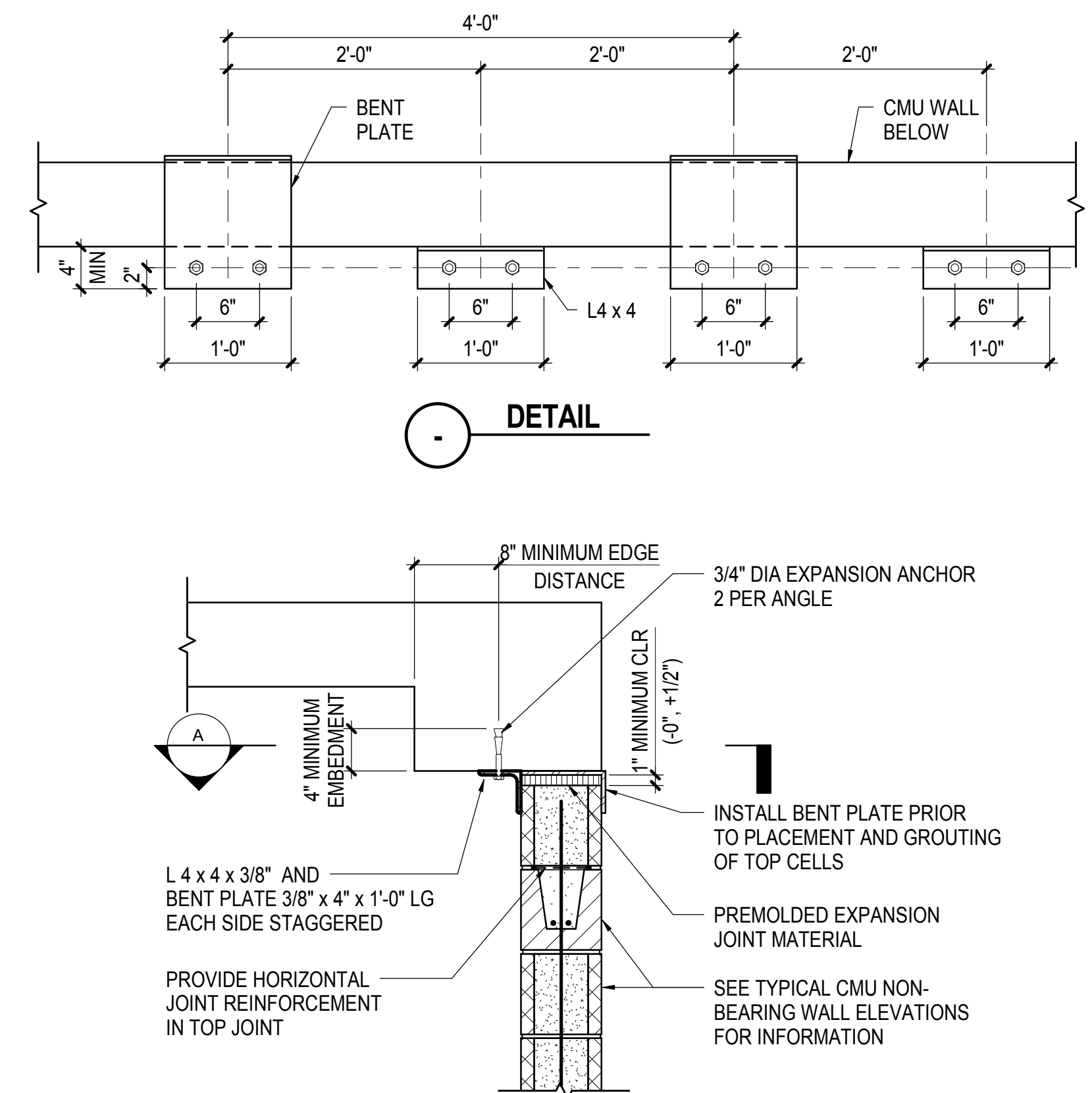
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NOT TO SCALE



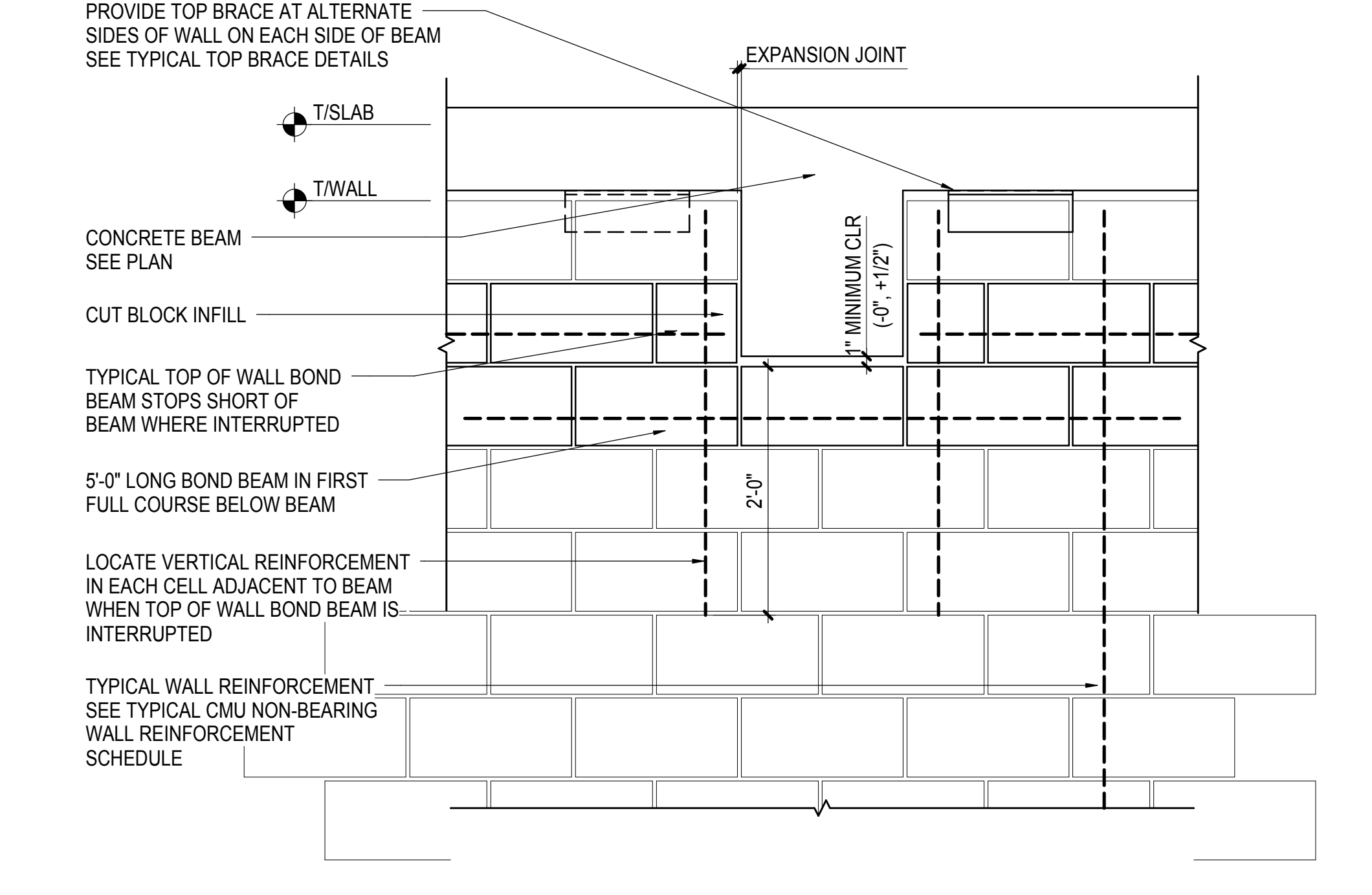
2 TYPICAL TOP BRACE DETAIL OF NON-BEARING CMU WALL AT EXTERIOR EDGE OF CONCRETE SLAB
NOT TO SCALE



3 POST INSTALLED AT EXTERIOR EDGE OF CONCRETE SLAB - OPTION 2
NOT TO SCALE

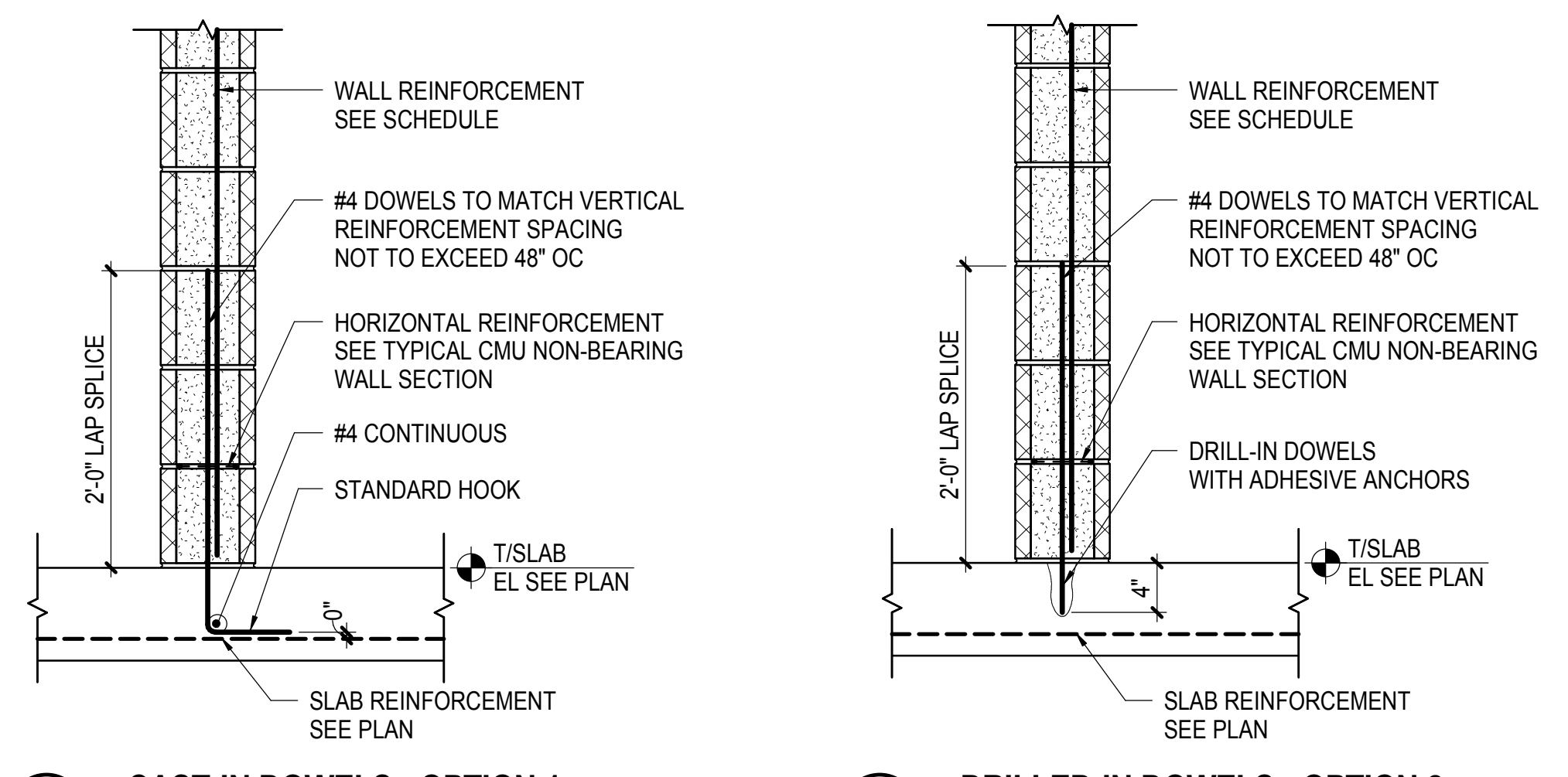


3 TYPICAL TOP BRACE DETAIL AT INTERIOR CMU WALL TO UNDERSIDE OF CONCRETE BEAM
NOT TO SCALE



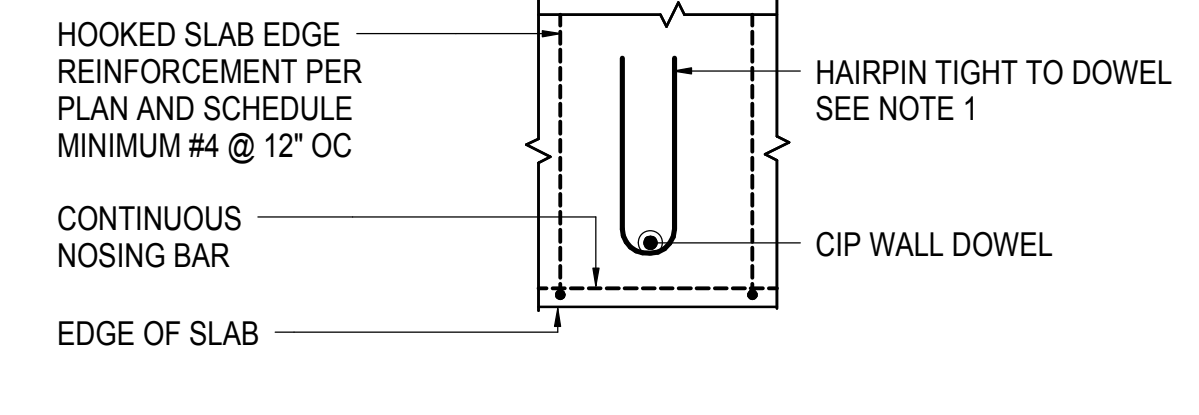
4 TYPICAL DETAIL OF CMU NON-BEARING WALL AT PERPENDICULAR CONCRETE BEAM
NOT TO SCALE

| EDGE OF SLAB DOWEL SCHEDULE | | | | |
|-----------------------------|-------------------------------------|-------------------|--|----------------------|
| SEISMIC DESIGN CATEGORY | IMPORTANCE FACTOR (I _p) | DOWEL TYPE | MAX #4 DOWEL SPACING (SEE NOTE 1) | HAIRPIN PER DETAIL D |
| A, B | 1.0/1.5 | CIP OR DRILLED IN | 48" | NO |
| C | 1.0 | CIP | 48" | YES |
| C | 1.5 | CIP | 48" TYP UON 24" FOR WALLS H>20'-0" | YES |
| D, E, F | 1.0/1.5 | CIP | 48" FOR 6" & 8" WALLS 32" FOR 10" & 12" WALLS | YES |

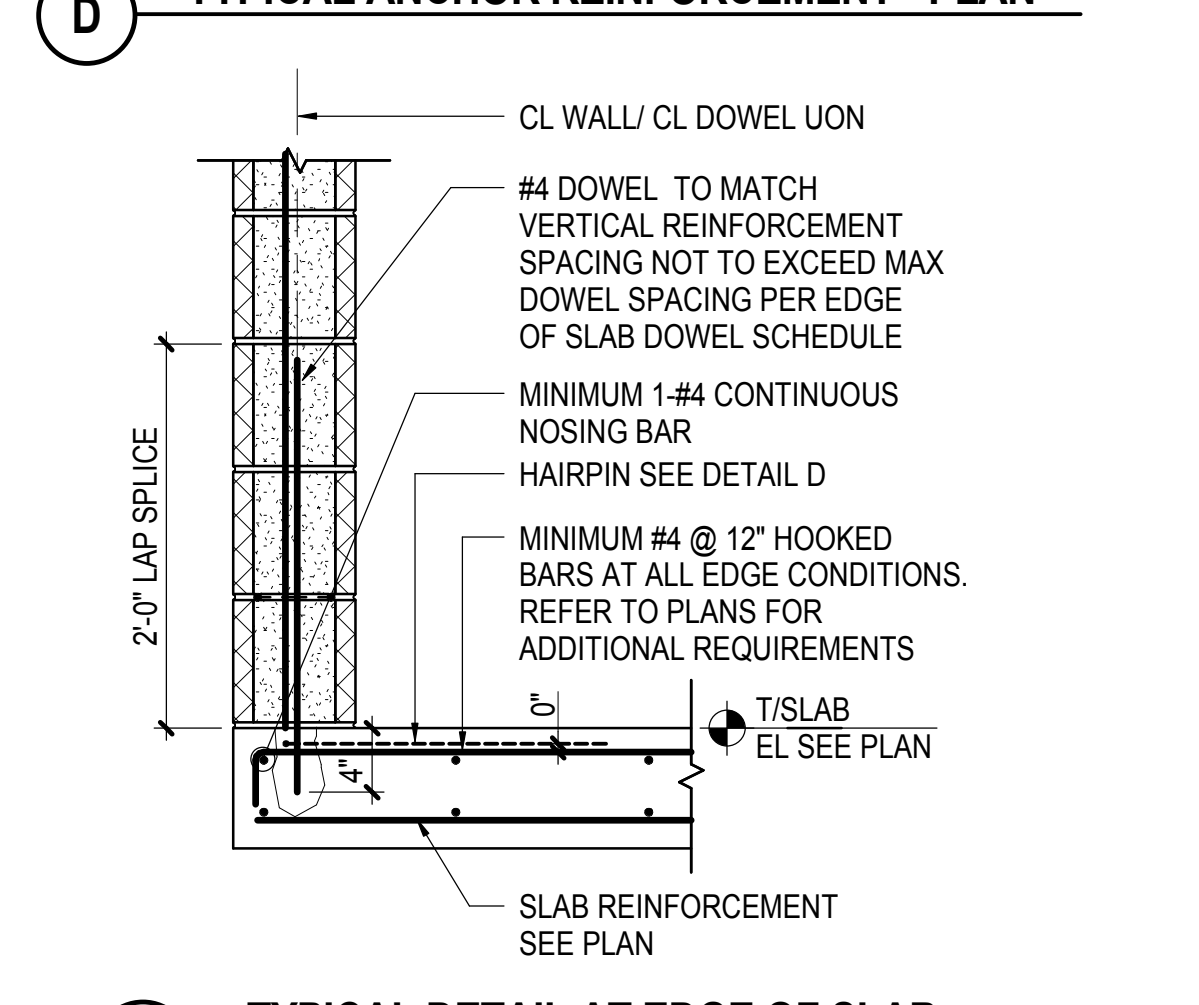


5 TYPICAL BASE OF CMU NON-BEARING WALL DETAIL AT CONCRETE SLAB
NOT TO SCALE

NOTE:
1. DETAILS ONLY APPLY WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
- VERTICALLY SPANNING NON-STRUCTURAL WALL BRACED AT TOP
- NORMAL WEIGHT CONCRETE SLABS



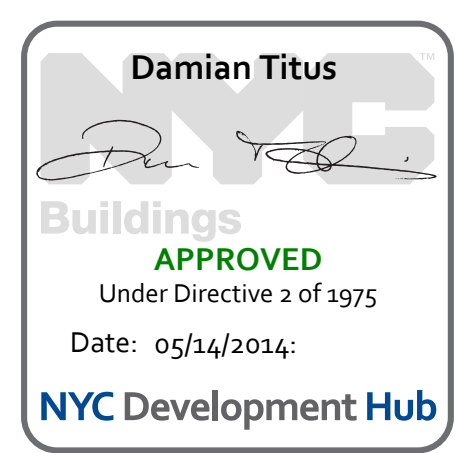
7 TYPICAL ANCHOR REINFORCEMENT - PLAN
NOT TO SCALE



8 TYPICAL DETAIL AT EDGE OF SLAB
NOT TO SCALE

| | |
|--------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mail - PLATFORM SUBMISSION | |
| DL2C PHASE 1 STRUCTURAL UPDATE | 1/11/2013 |
| NYC DOB FILING | 10/4/2013 |
| Rev | Description |

Rev Plot

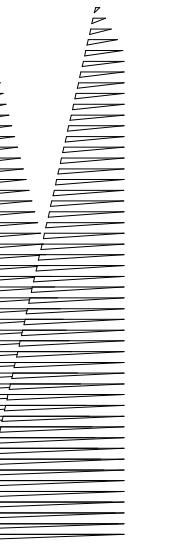


Date: 10/03/2013
Project No: N11330.00
Drawn By: Author
Issue Number:
HYE - PL - S-743.00
Drawing Title:
TYPICAL MASONRY NON-BEARING WALL TO CONCRETE DETAILS
Drawing Number / B/S/C/S Drawing Number:
S-743.00
SHEET 187 OF 201

S-743.00
11/22/2013 11:58:50 PM
TYPICAL MASONRY NON-BEARING WALL TO CONCRETE
REVISION N11330.00 - East Platform - Central Column

HUDSON YARDS PLATFORM

Address
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NEW YORK, NY



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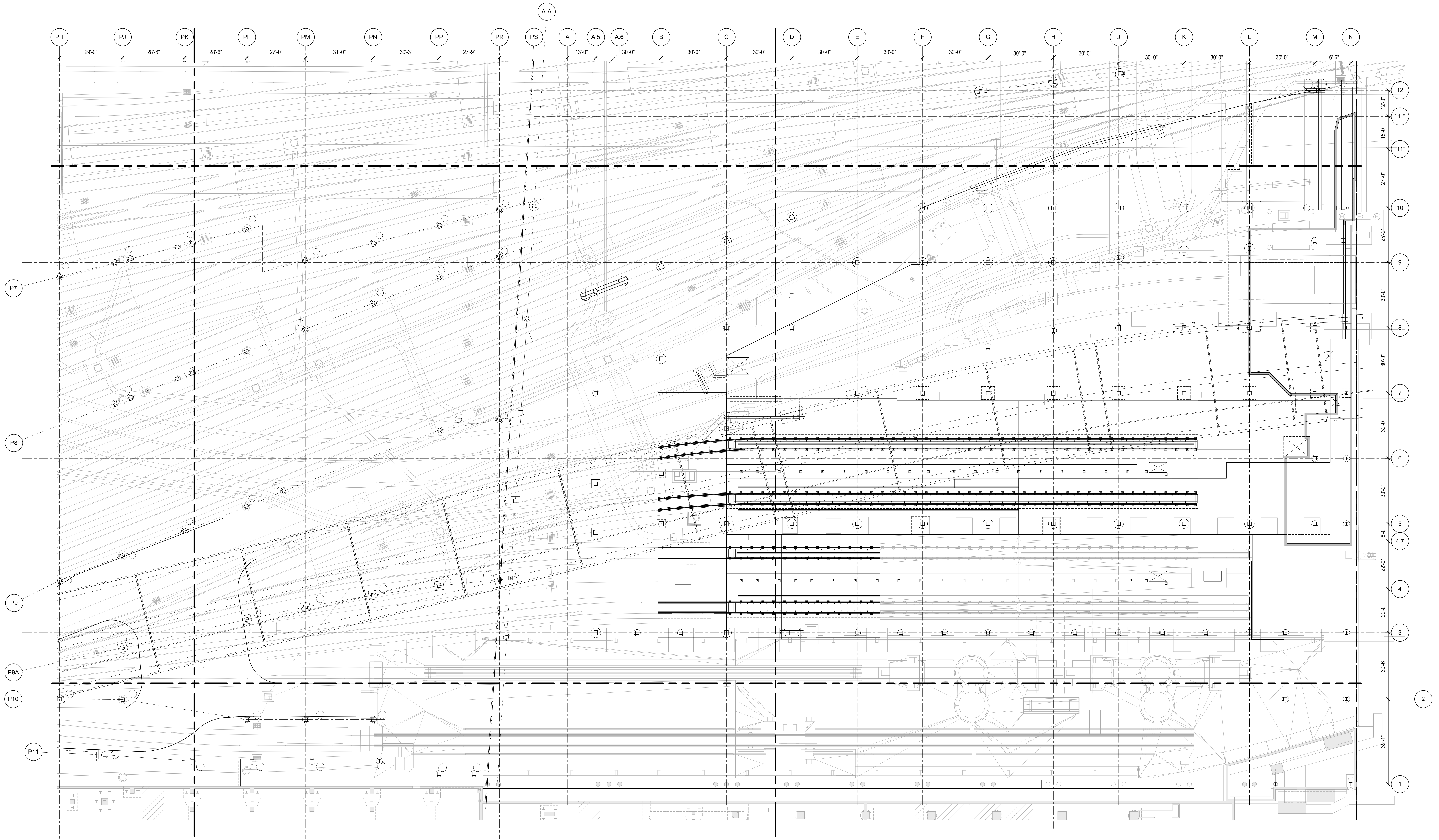
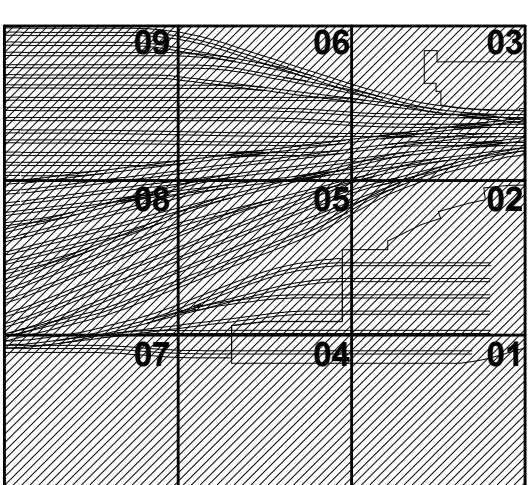
Civil, Mechanical, Electrical, Plumbing,
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| NYC DOB FILING | 10/4/2013 |
| Δ DLO1 PHASE I STRUCTURE UPDATE | 9/20/2013 |
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| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 30% M.O.E. SUBMISSION | 6/14/2013 |

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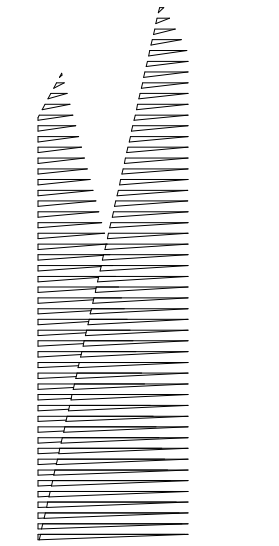
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub



Date: 06/14/13
Project No: N11330.00
Title: Author
Sheet Number: Author

HYE-PL-S-800.00
OVERALL SLAB PLAN
M.O.E. TRACK LEVEL

Drawing Number / B/S/C/S Drawing Number
S-800.00



Client
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60 Columbus Circle
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Owner
Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
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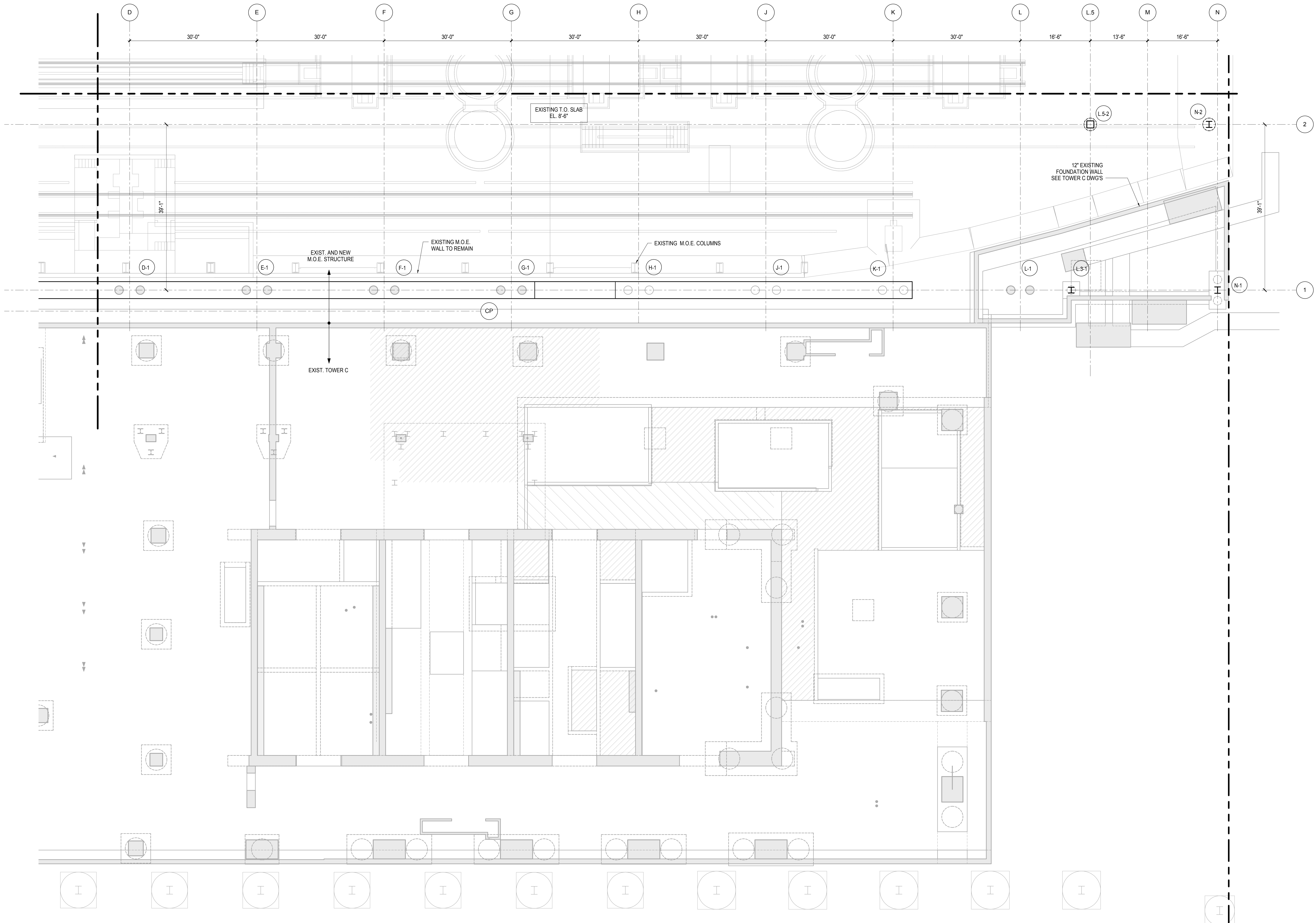
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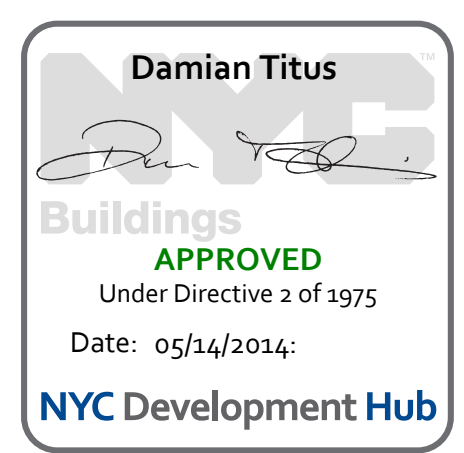
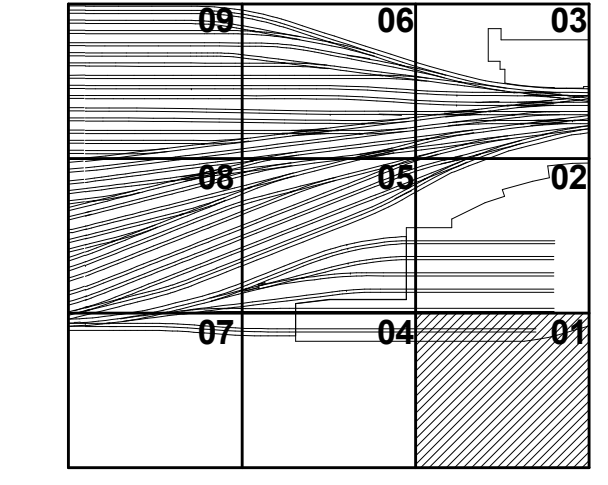
SHEET NOTES:

- SEE GENERAL NOTES FOR CONCRETE COMPRESSIVE STRENGTH
- T/FOOTING = EL. YY'-Y", AS SHOWN ON PLAN
- FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:
DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS S0 SERIES DRAWINGS
TYPICAL FOUNDATION DETAILS S3 SERIES DRAWINGS
STEEL COLUMN SCHEDULES S4 SERIES DRAWINGS
STEEL TYPICAL DETAILS S7 SERIES DRAWINGS
- MAXIMUM TOP OF ROCK SOCKET SHOWN ON S-310.00 TO S-313.00 IS THE HIGHEST ELEVATION AT WHICH ROCK SOCKET BEGINS.
- ROCK COUNTOURS ARE BY LANGAN GEOTECHNICAL ENGINEERS. ACTUAL TOP OF ROCK AND SOCKET TO BE FIELD VERIFIED BY THE CONTRACTOR AND GEOTECHNICAL ENGINEER.
- EXISTING UTILITIES, BUILDINGS AND TUNNELS ARE SHOWN FOR REFERENCE ONLY. LOCATIONS AND DIMENSIONS OF ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED. SEE GENERAL NOTES SHEET S-003.00 FOR REFERENCES TO EXISTING DRAWINGS.

- DIMENSIONS ON SHEETS S-310.00 TO S-313.00 NOTED AS CLEARANCE TO TRACK IS THE DISTANCE BETWEEN CENTERLINE OF TRACK TO FACE OF COLUMN.
- DIMENSIONS SHOWN ON S-121.00 TO S-129.00 SHOW THE DISTANCE BETWEEN THE FACE OF EXISTING TUNNEL (V.I.F.) AND THE FACE OF PERMANENT STEEL CASING.

LEGEND:

- EXC INDICATES EXISTING CAISSON.
- EXF INDICATES EXISTING FOOTING
- CX-Y INDICATES NEW CAISSON
- PCX-Y INDICATES NEW PILECAP
- INDICATES NEW CONCRETE FILLED STEEL COLUMN
- INDICATES NEW CONCRETE FILLED STEEL COLUMN
- INDICATES NEW STEEL WIDE-FLANGE COLUMN
- ⊥ TB INDICATES NEW TIE BEAM
- ⊙ INDICATES NEW ROCK ANCHOR



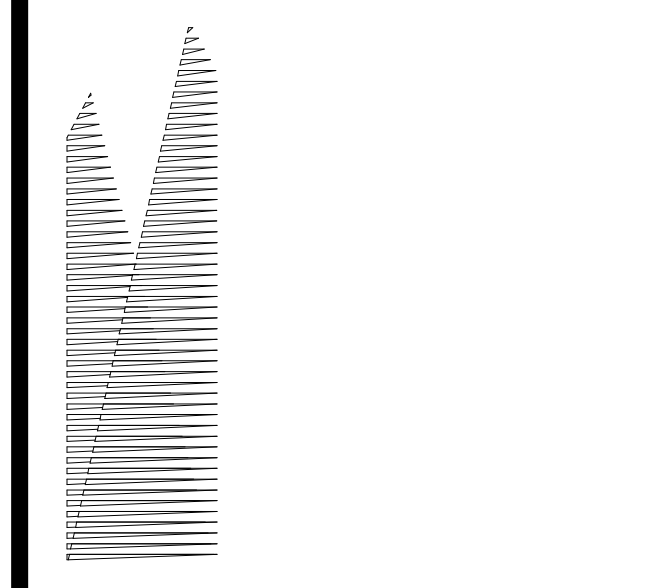
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Sheet Number: 189

HYE - PL - S-801.00
SLAB PLAN M.O.E. TRACK LEVEL SECTOR 01

Drawing Number / B/S/C/S Drawing Number
S-801.00

SHEET 189 OF 201

S-801.00
11/22/2013 8:02:50 PM
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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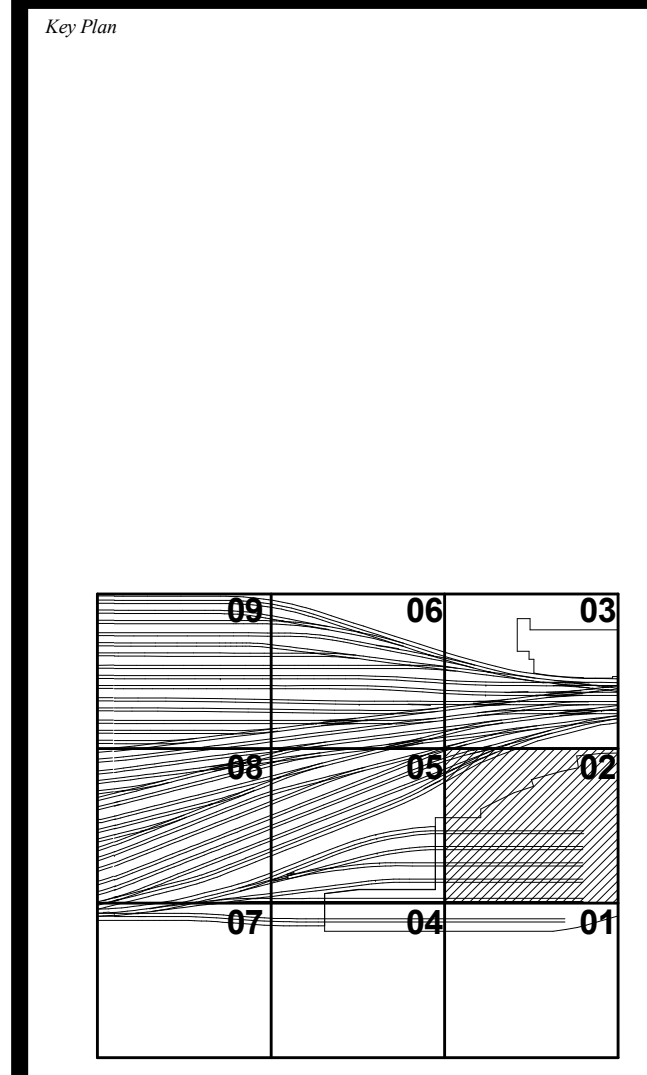
Structural Engineer
Thornton Tomasetti, Inc.
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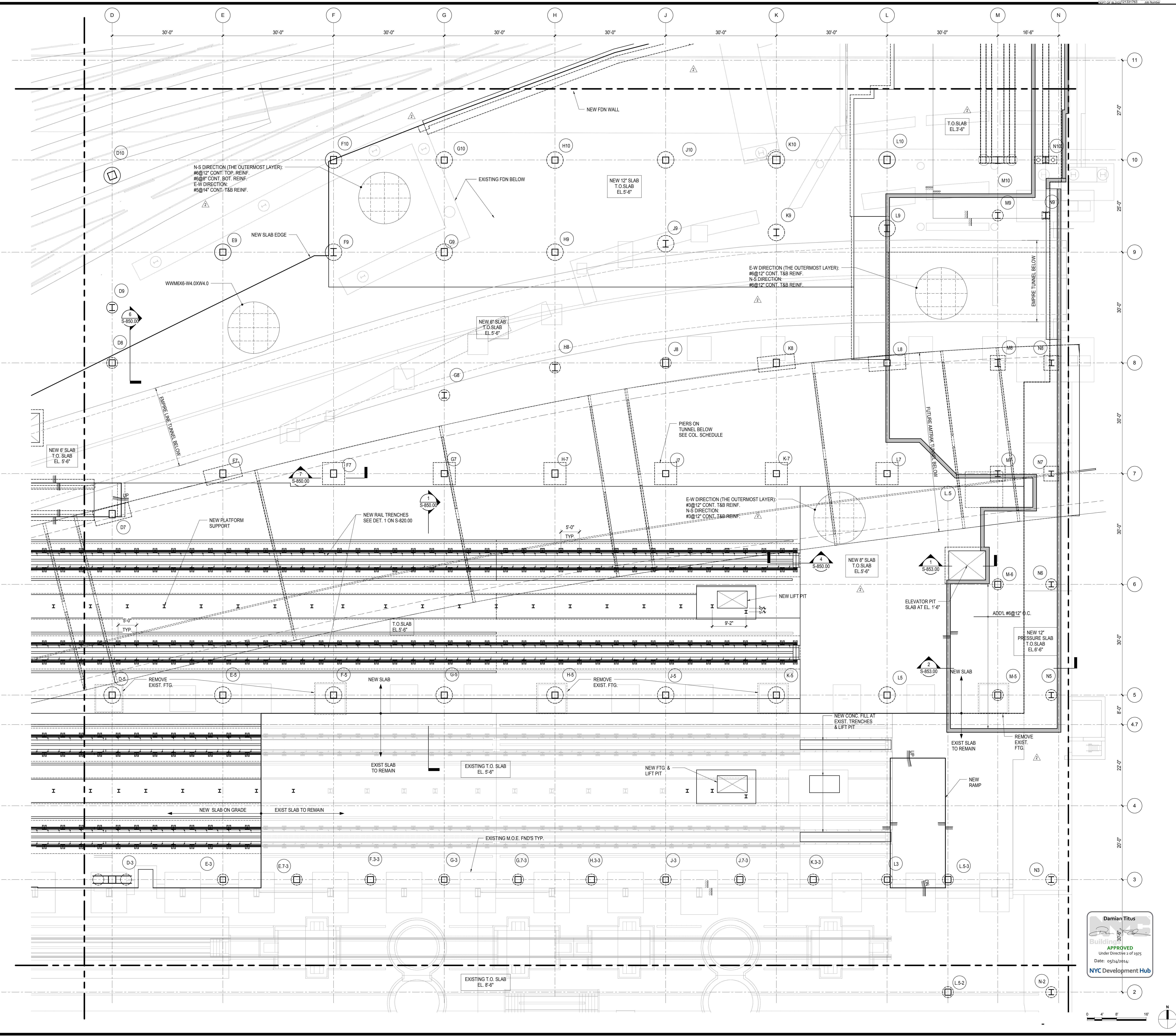
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| Δ D1-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
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| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
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| LIRR - 30% M.O.E. SUBMISSION | 6/14/2013 |
| NYC Description | 06 |



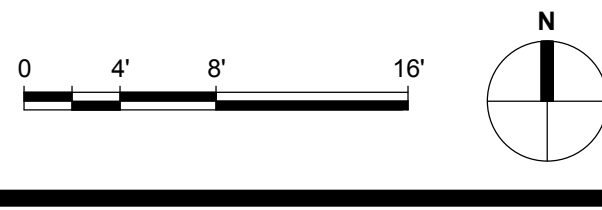
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Project No: N11330.00
Drawing No: Author
Issue Number:

HYE-PL-S-802.00
SLAB PLAN M.O.E.
TRACK LEVEL SECTOR
02

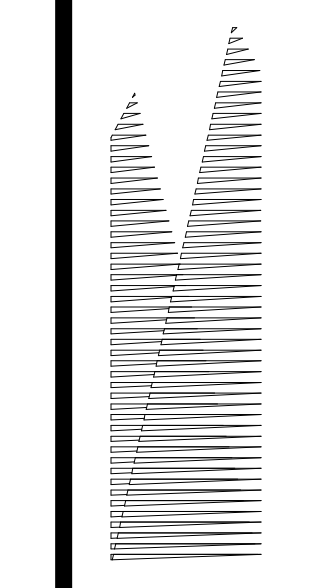
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S-802.00
SHEET 190 OF 201



Damian Titus
Building
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Under Directive 2 of 1975
Date: 05/14/2014
NYC Development Hub



S-802.00
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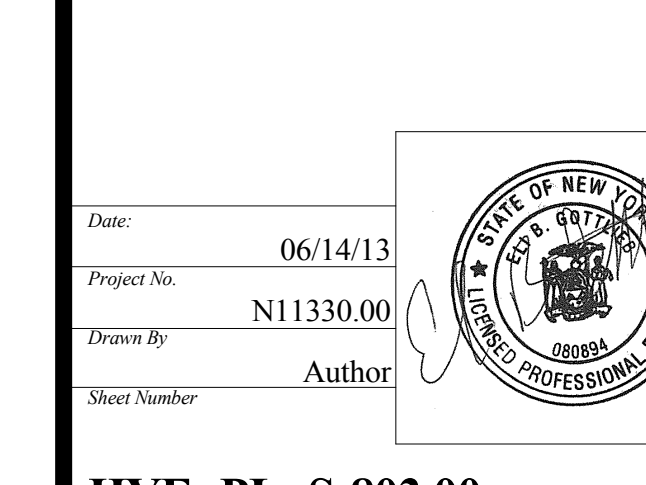
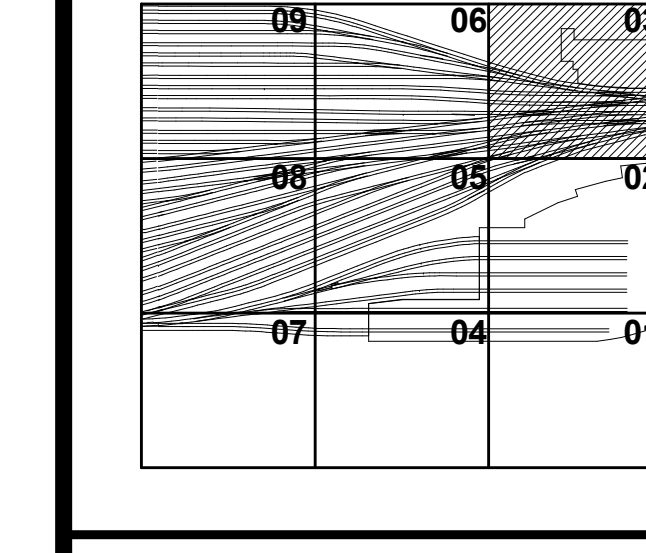
NYC DOB FILING

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| M&T - PLATFORM SUBMISSION | 11/22/2013 |
| Δ D-02 PHASE I STRUCTURE UPDATE | 11/1/2013 |
| L.I.R.R. - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| L.I.R.R. - 60% M.O.E. SUBMISSION | 7/12/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 30% M.O.E. SUBMISSION | 6/14/2013 |
| NYC DOB FILING | 6/14/2013 |

Key Plan

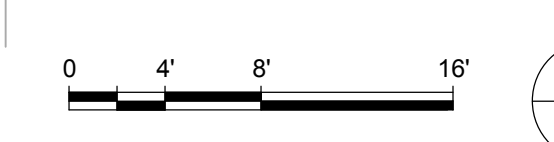
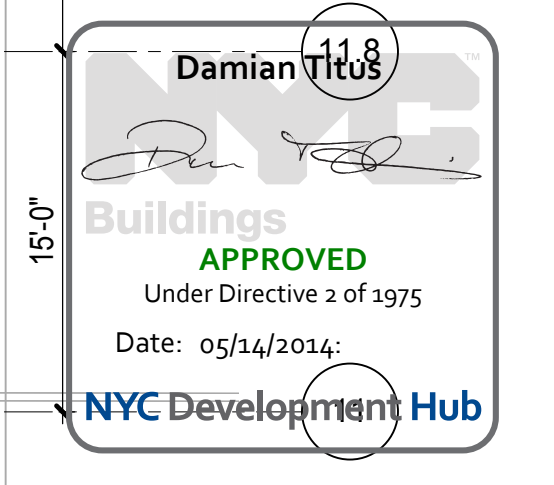
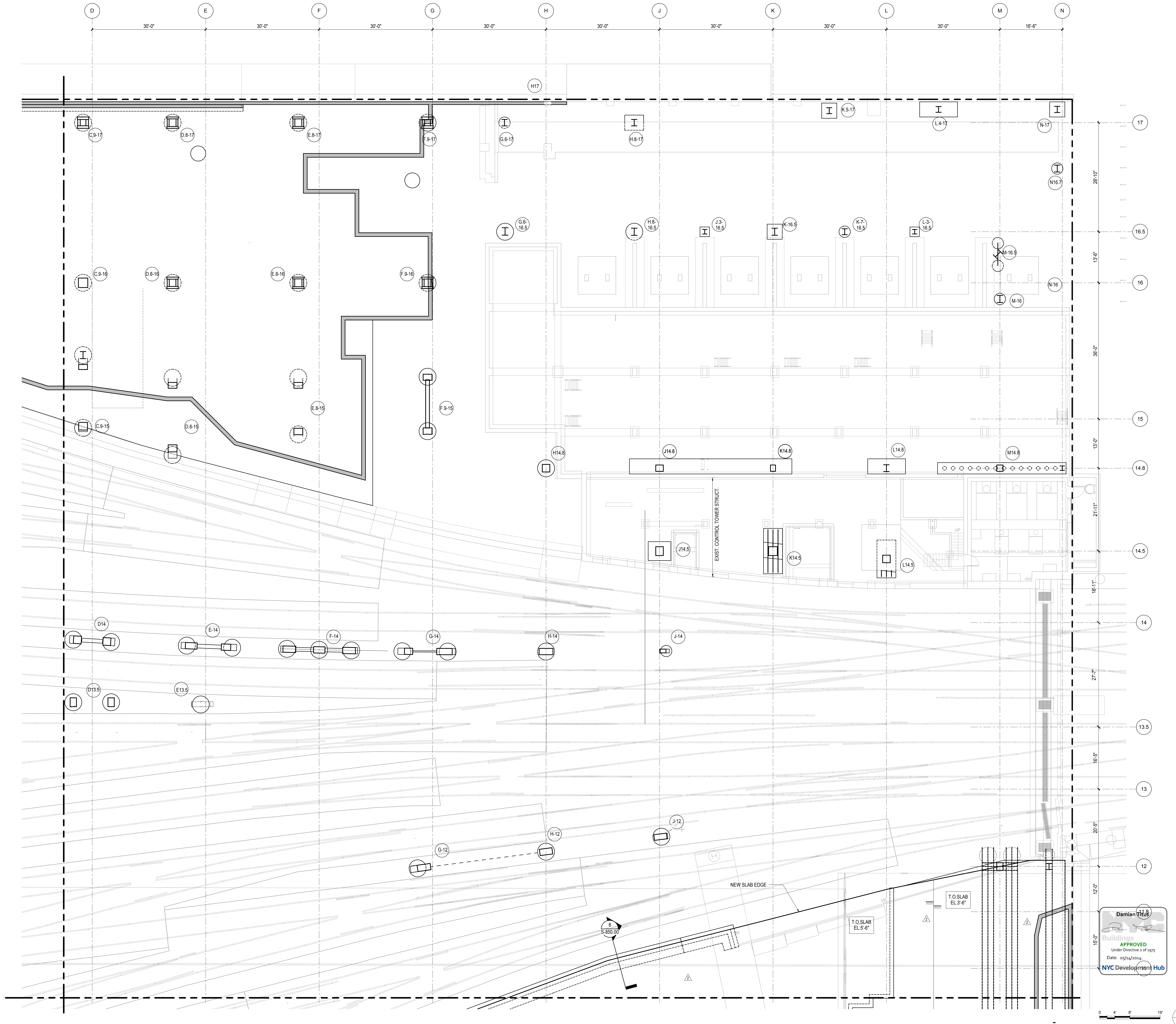
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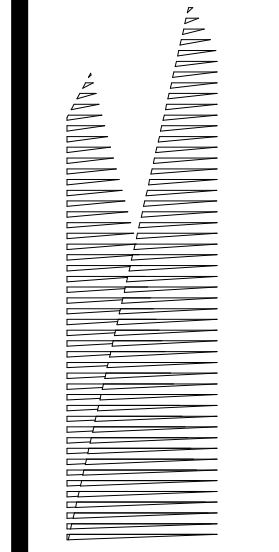
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| L.I.R.R. - PRE-FINAL 100% | 12/4/2013 |
| M&T - PLATFORM SUBMISSION | 11/22/2013 |
| Δ D-02 PHASE I STRUCTURE UPDATE | 11/1/2013 |
| L.I.R.R. - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D-01 PHASE I STRUCTURE UPDATE | 9/20/2013 |
| L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| L.I.R.R. - 60% M.O.E. SUBMISSION | 7/12/2013 |
| NYC DOB FILING | 6/17/2013 |
| L.I.R.R. - 30% M.O.E. SUBMISSION | 6/14/2013 |
| NYC DOB FILING | 6/14/2013 |



Date: 06/14/13
Project No: N11330.00
Drawing Title: **HYE-PL-S-803.00**
SLAB PLAN M.O.E. TRACK LEVEL SECTOR 03

Drawing Number: /B/SC/03 Drawing Number: **S-803.00**
SHEET 191 OF 201





Client
Related Companies
60 Columbus Circle
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Tel: 212.801.1000 Fax: 212.801.1048

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

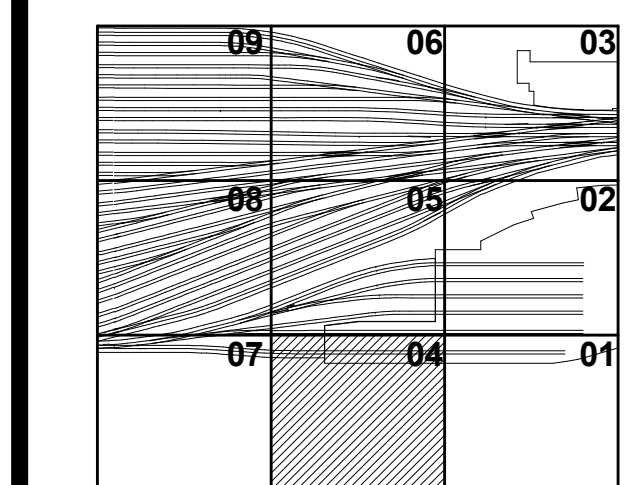
*Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group*
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|-----------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | |
| Δ D1-02 PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| LIRR - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ D1-01 PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 30% M.O.E. SUBMISSION | 6/14/2013 |
| Rev | Description |

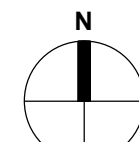
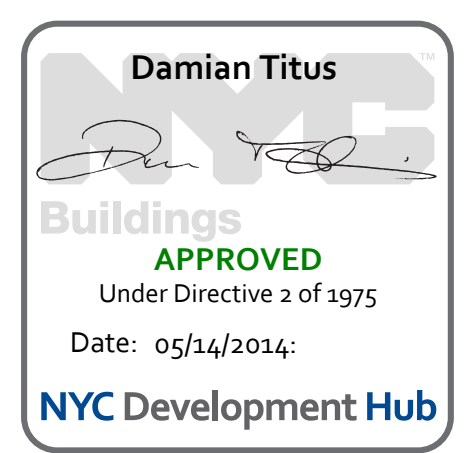
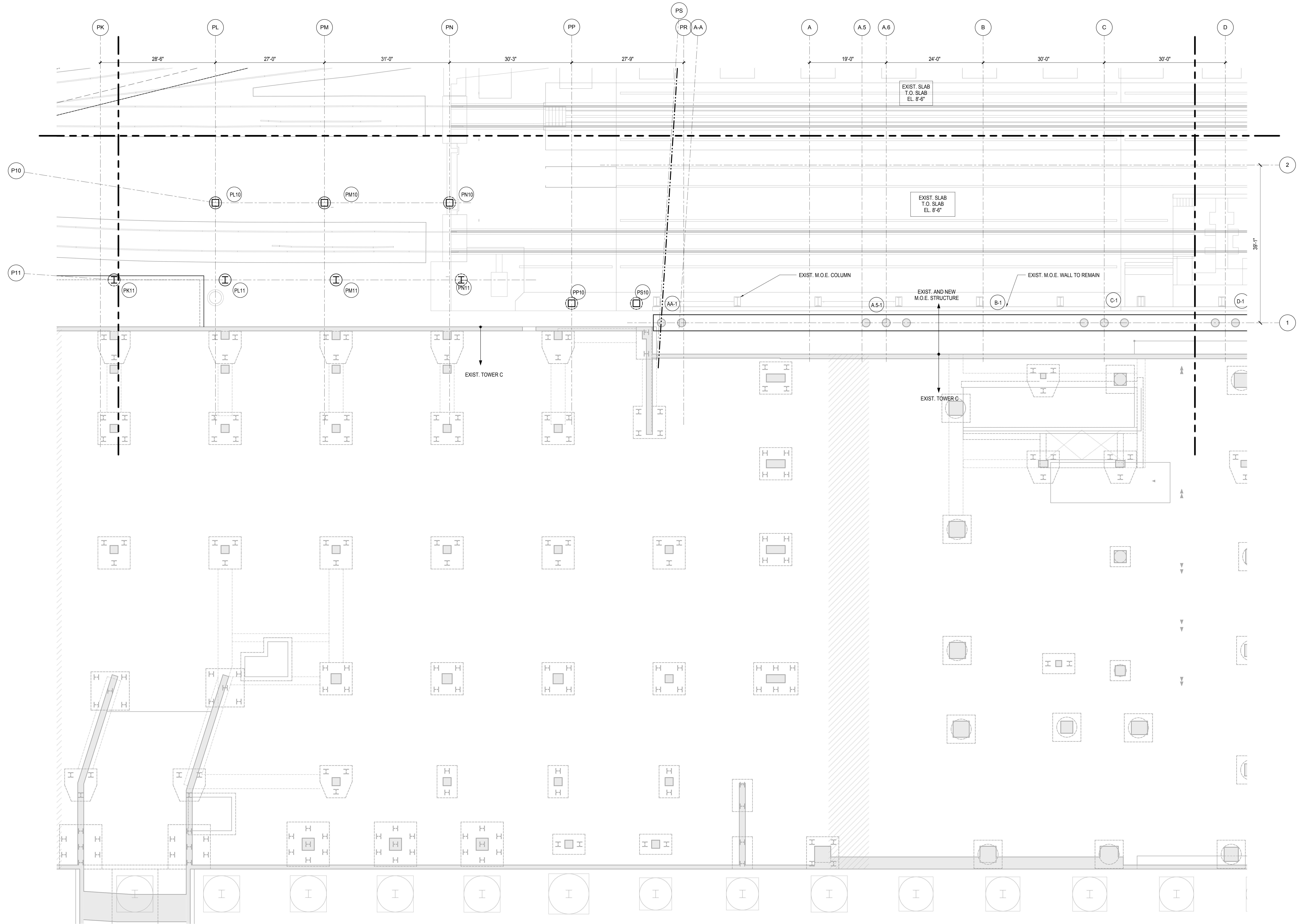
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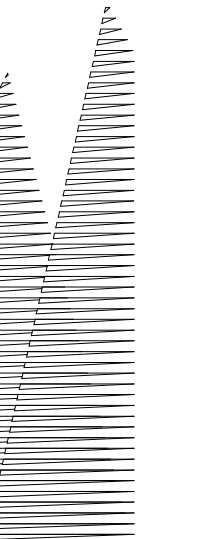


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Project No: N11330.00
Author: [Signature]
Sheet Number: [Blank]

HYE - PL - S-804.00
Drawing Title:
**SLAB PLAN M.O.E.
TRACK LEVEL SECTOR
04**

Drawing Number / B/S/C/S Drawing Number:
S-804.00
SHEET 192 OF 201





Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

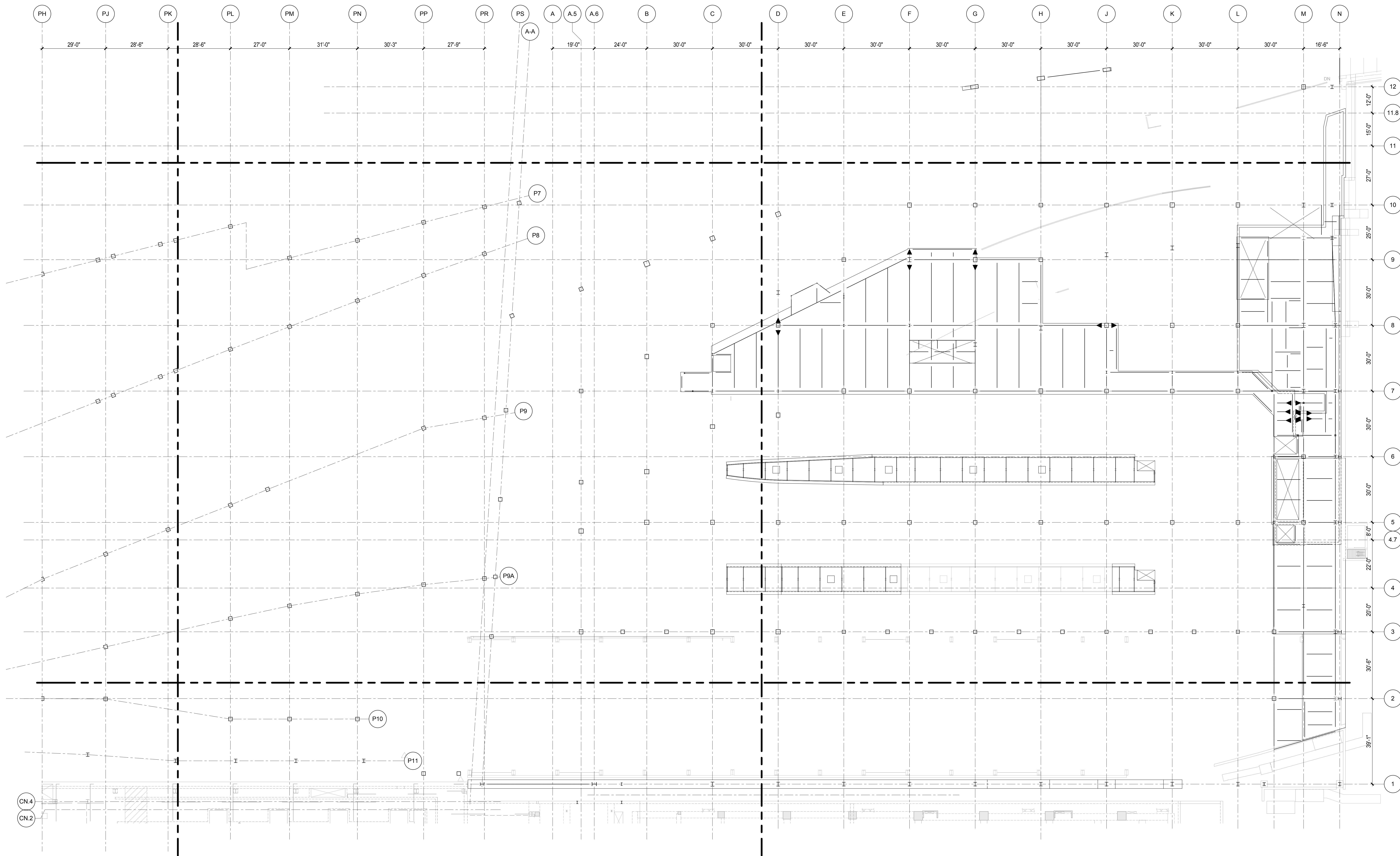
Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York, 10036
Tel: 212.977.6500 Fax: 212.956.2526

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Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

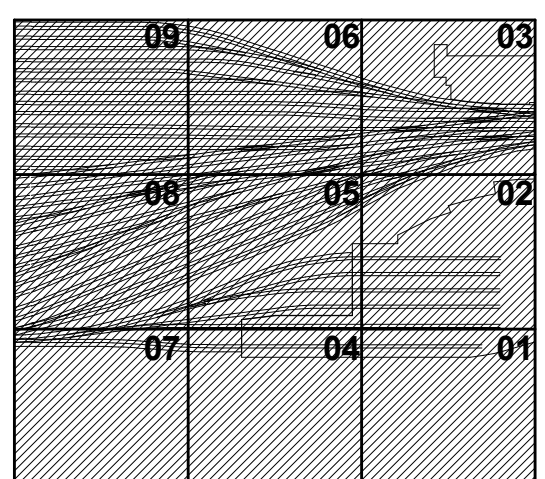
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172



| | | |
|------------------------------------|------|------------|
| NYC DOB FILING | 100% | 12/4/2013 |
| L.I.R.R. - PRE-FINAL | 100% | 11/22/2013 |
| M&T - PLATFORM SUBMISSION | | |
| Δ - DL02 PHASE I STRUCTURAL UPDATE | | 11/1/2013 |
| LIRR - 90% M.O.E. SUBMISSION | | 10/4/2013 |
| NYC DOB FILING | | 10/4/2013 |
| Δ - DL01 PHASE I STRUCTURE UPDATE | | 9/20/2013 |
| LIRR - 90% SUBMISSION | | 8/09/2013 |
| LIRR - 60% M.O.E. SUBMISSION | | 7/12/2013 |
| NYC DOB FILING | | 6/17/2013 |
| LIRR - 30% M.O.E. SUBMISSION | | 6/14/2013 |

Rev. No. Description

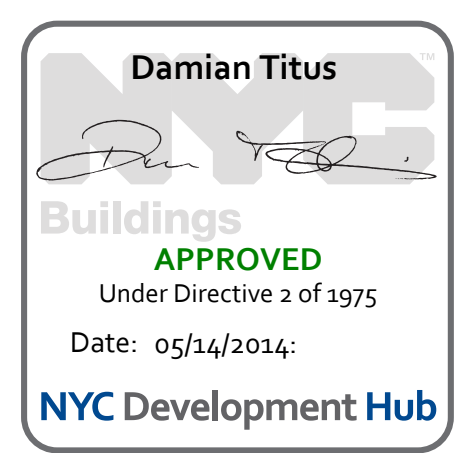


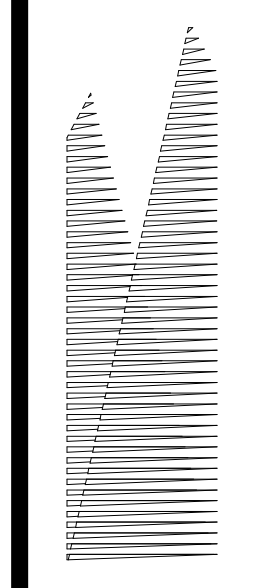
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Project No: N11330.00
Title: Author
Sheet Number: Author



HYE-PL-S-810.00
Drawing Title
**OVERALL FRAMING
PLAN M.O.E. CONTROL
TOWER LEVEL**

Drawing Number / B.S.C.A.S. Drawing Number
S-810.00
SHEET 194 OF 201





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Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

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Construction Manager
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100 Park Avenue, 5th Floor
New York, NY 10017
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Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
Tel: 212.977.6500 Fax: 212.956.2526

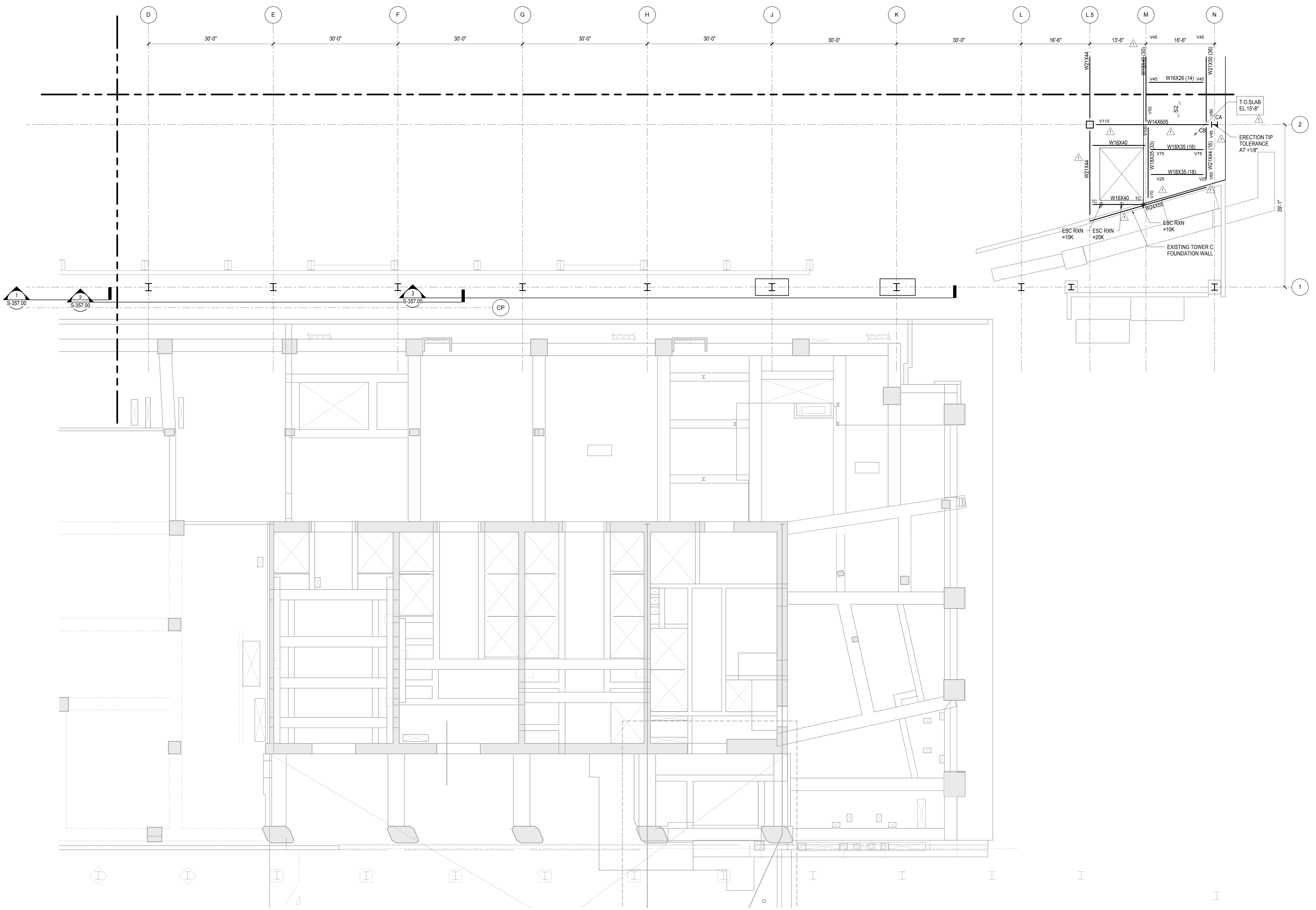
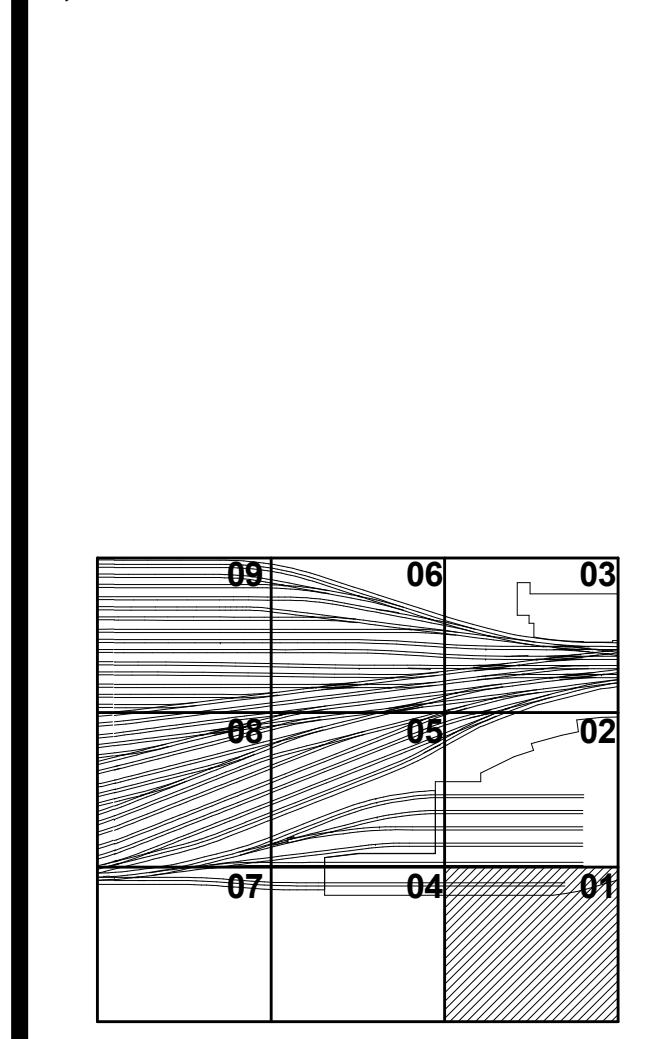
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
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New York, NY 10005
Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
|---------------------------------|------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| M&T PLATFORM SUBMISSION | |
| Δ DLO PHASE I STRUCTURAL UPDATE | 11/1/2013 |
| LIRR - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| Δ DLO PHASE I STRUCTURAL UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
| NYC DOB FILING | 6/17/2013 |
| LIRR - 30% M.O.E. SUBMISSION | 6/14/2013 |
| NYC Description | Site |



SHEET NOTES:

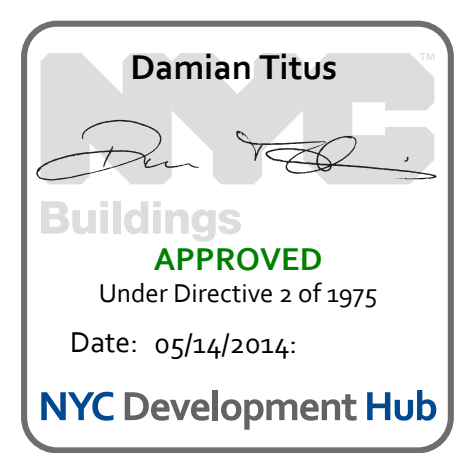
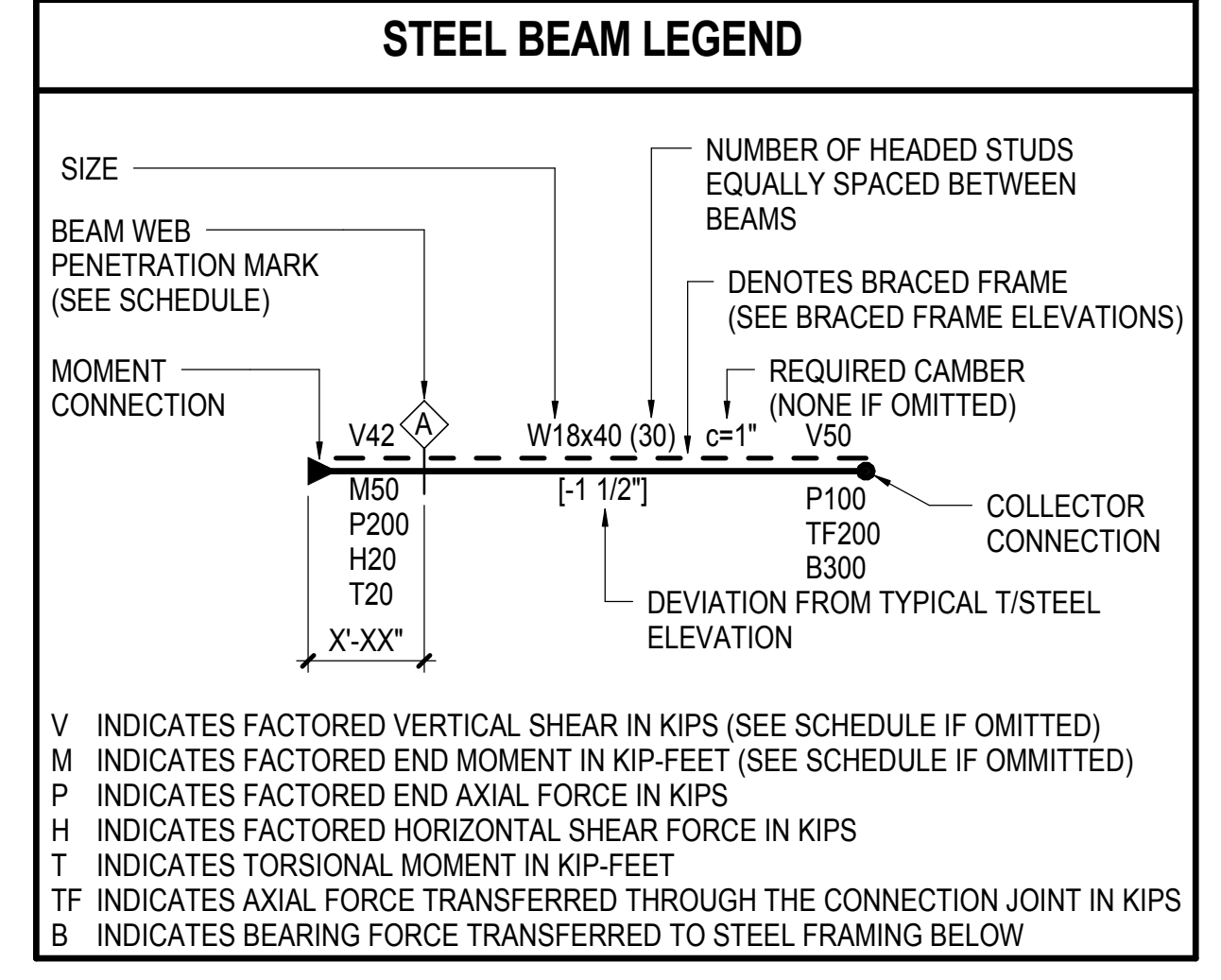
1. T/STRUCTURAL SLAB EL+ UON THUS:
 X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION.
2. T/STEEL EL UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S-003.00
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:
 DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS S0 SERIES DRAWINGS
 TYPICAL FOUNDATION DETAILS S3 SERIES DRAWINGS
 STEEL COLUMN SCHEDULES S4 SERIES DRAWINGS
 STEEL TYPICAL DETAILS S7 SERIES DRAWINGS

5. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES LATERAL BRACING.
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
- INDICATES SLOPE IN TOP OF SLAB
- INDICATES SPLICE LOCATIONS. SEE S-512.00 FOR DETAILS
- INDICATES LOCATION OF SLAB TRENCHES. SEE S-341.00 FOR DETAILS
- INDICATES SLAB OPENING FOR DRAINAGE. TYPICALLY 2'-0". FINAL POSITION BETWEEN BEAMS TO BE COORDINATED WITH ARCHITECT.

6. NOTATIONS:

- CA/CB INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
- PA/PB INDICATES POST ABOVE / BELOW
- DB INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
- HA/HB INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
- MF INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
- PG INDICATES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
- TC INDICATES TORSIONAL CONNECTION FOR STAIR
- TR INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
- BF INDICATES BRACED FRAME. SEE ELEVATIONS
- FCA INDICATES FUTURE COLUMN ABOVE
- FHA INDICATES FUTURE HANGER ABOVE



Date: 06/14/13
 Project No: N11330.00
 Title: Author
 User Number: Auth

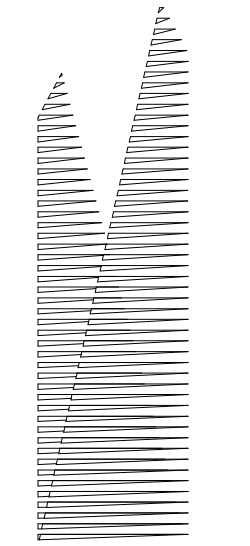
HYE-PL-S-811.00
 Drawing Title
FRAMING PLAN M.O.E. CONTROL TOWER LEVEL SECTOR 01

Drawing Number / B/S/C/S Drawing Number
S-811.00

SHEET 195 OF 201

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Contractor
Oxford Properties Group
320 Park Avenue, 17th Floor
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Tel: 212.986.7514 Fax: 212.986.7510

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100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
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PC Architects & Planning Consultants
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Structural Engineer
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Fire Alarm, Fire Protection, Security
Personnel Transportation Group
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LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
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Tel: 212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

NYC DOB FILING 12/4/2013
L.I.R.R. - PRE-FINAL 100% 11/22/2013
M&E PLATFORM SUBMISSION 10/4/2013
Δ D1-02 PHASE I STRUCTURE UPDATE 11/1/2013
L.I.R.R. - 90% M.O.E. SUBMISSION 10/4/2013
NYC DOB FILING 10/4/2013
Δ D1-01 PHASE I STRUCTURE UPDATE 9/20/2013
L.I.R.R. - 90% SUBMISSION 8/09/2013
L.I.R.R. - 60% M.O.E. SUBMISSION 7/12/2013
NYC DOB FILING 6/17/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
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NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

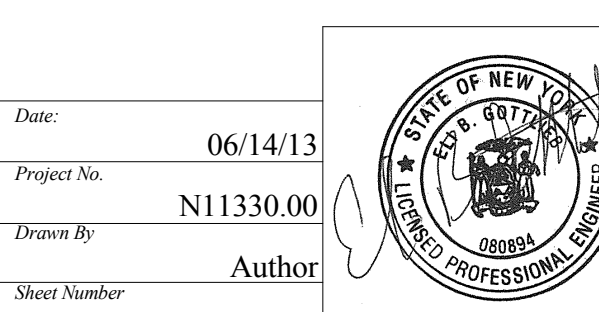
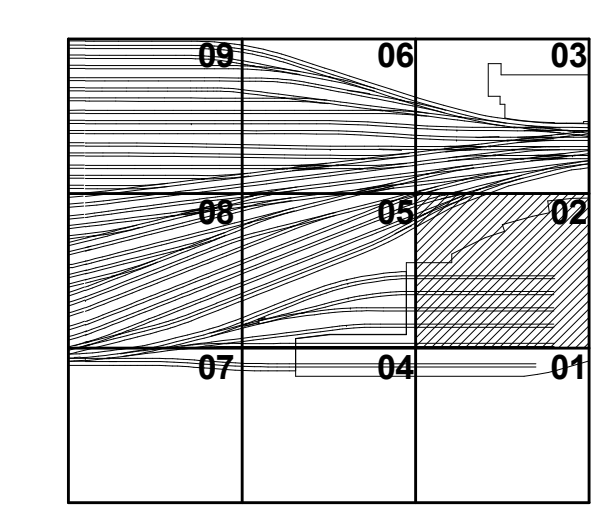
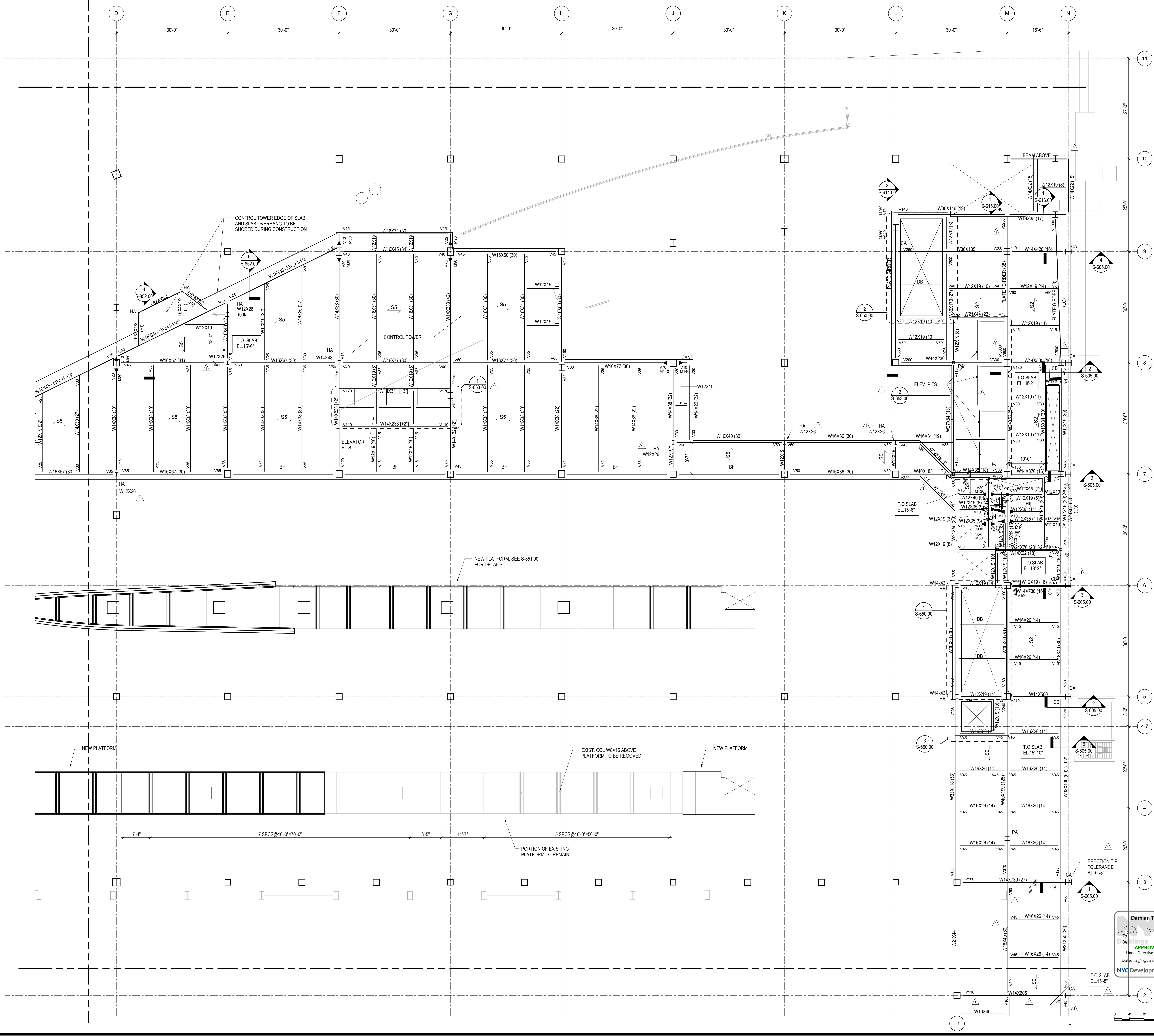
NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013

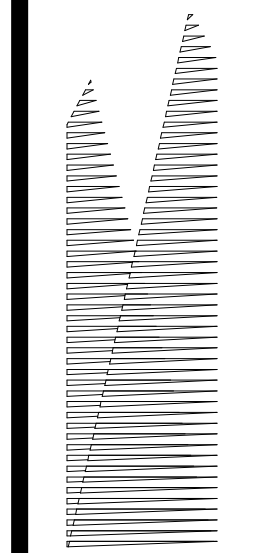
NYC DOB FILING 6/14/2013
L.I.R.R. - 30% M.O.E. SUBMISSION 6/14/2013



HYE-PL-S-812.00
FRAMING PLAN M.O.E. CONTROL TOWER LEVEL SECTOR 02

Project No: 06/14/13
Drawing No: N11330.00
Author: [Signature]
Date: 05/14/2014
NYC Development Hub

S-812.00
11/22/2013 8:53:28 PM
C:\S:\NYC\N11330.00 - East Platform - Control Tower



Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Overland Properties Group
320 Park Avenue, 17th Floor
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Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Fishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
PC Architects & Planning Consultants
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New York, New York 10036
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Structural Engineer
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51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 718.661.7801

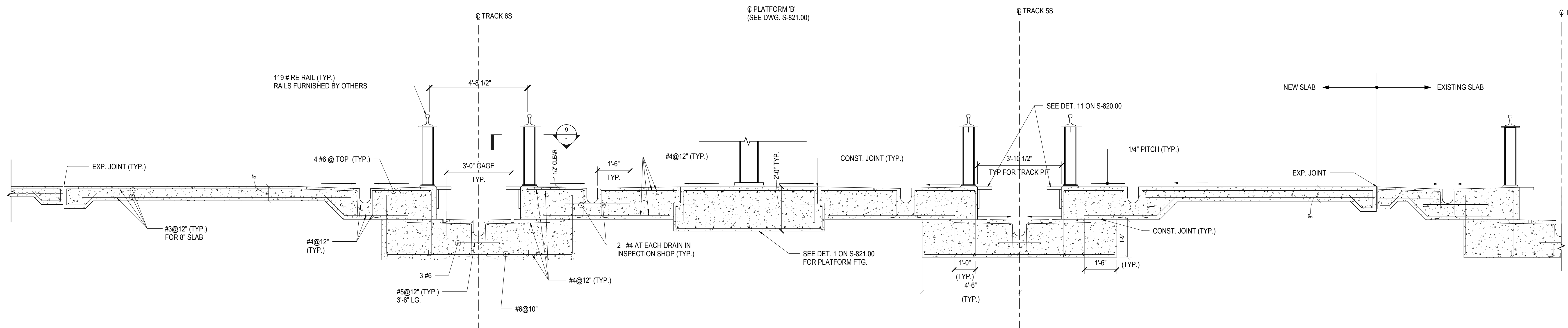
Civil, Mechanical, Electrical, Plumbing,
Fire Alarm, Fire Protection, Security
Personnel Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

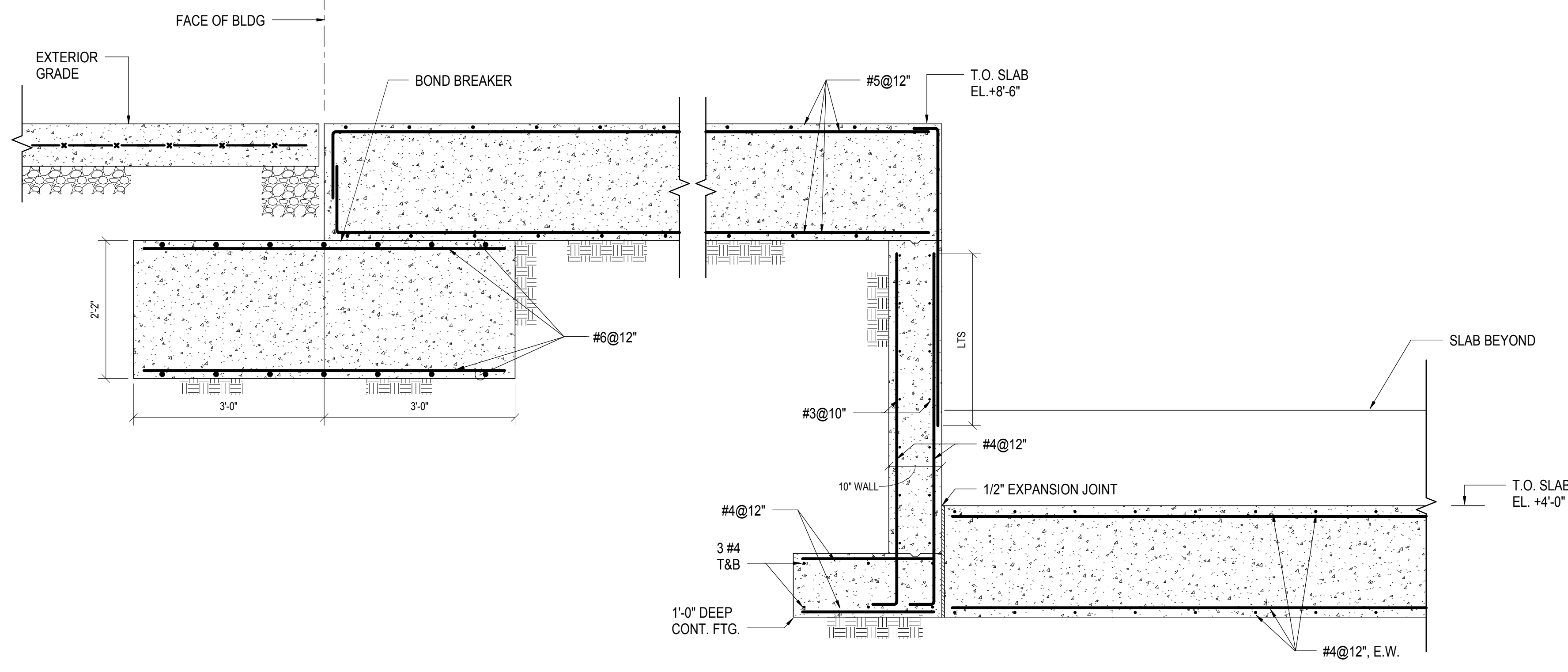
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | |
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mid - PLATFORM SUBMISSION | 11/17/2013 |
| 2. DRG. PHASE 1 STRUCTURAL UPDATE | 11/17/2013 |
| LIRR - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| 3. DRG. PHASE 1 STRUCTURE UPDATE | 9/29/2013 |
| LIRR - 90% SUBMISSION | 8/19/2013 |
| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
| Rev. Description | Date |

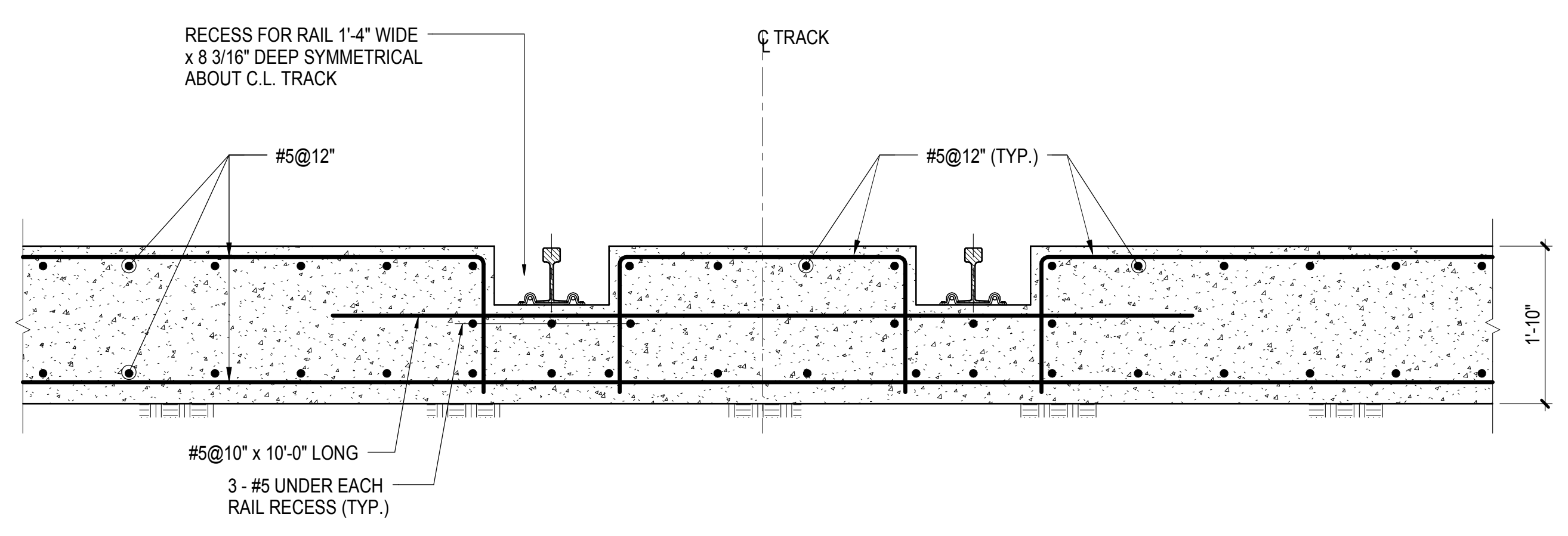
Rev. Plan



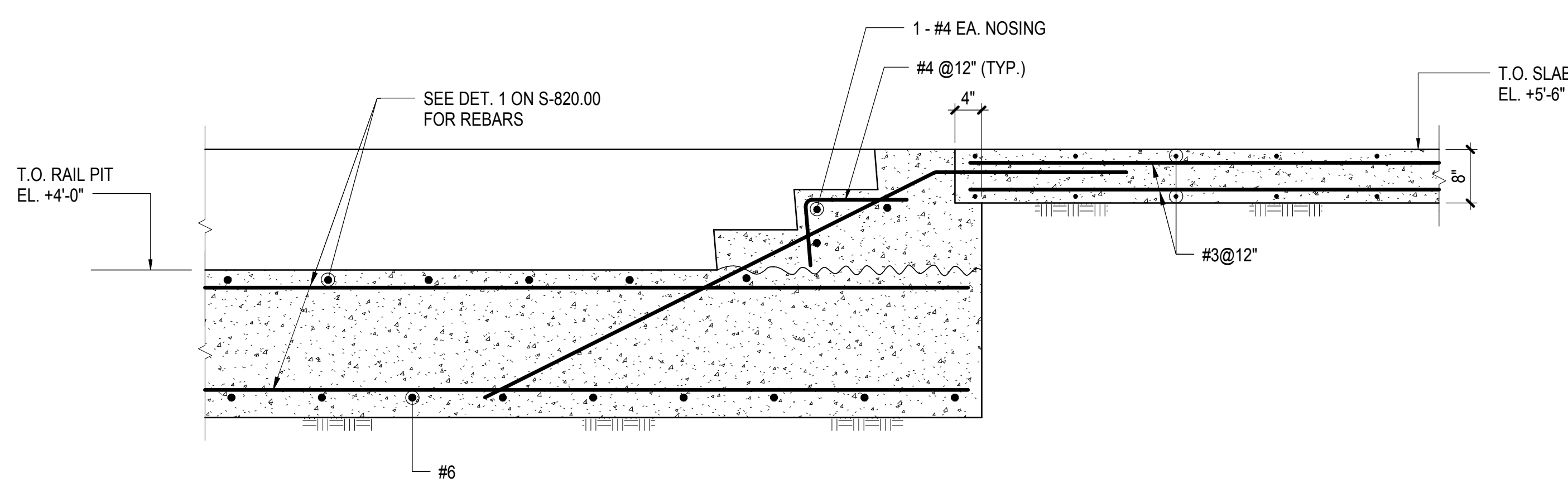
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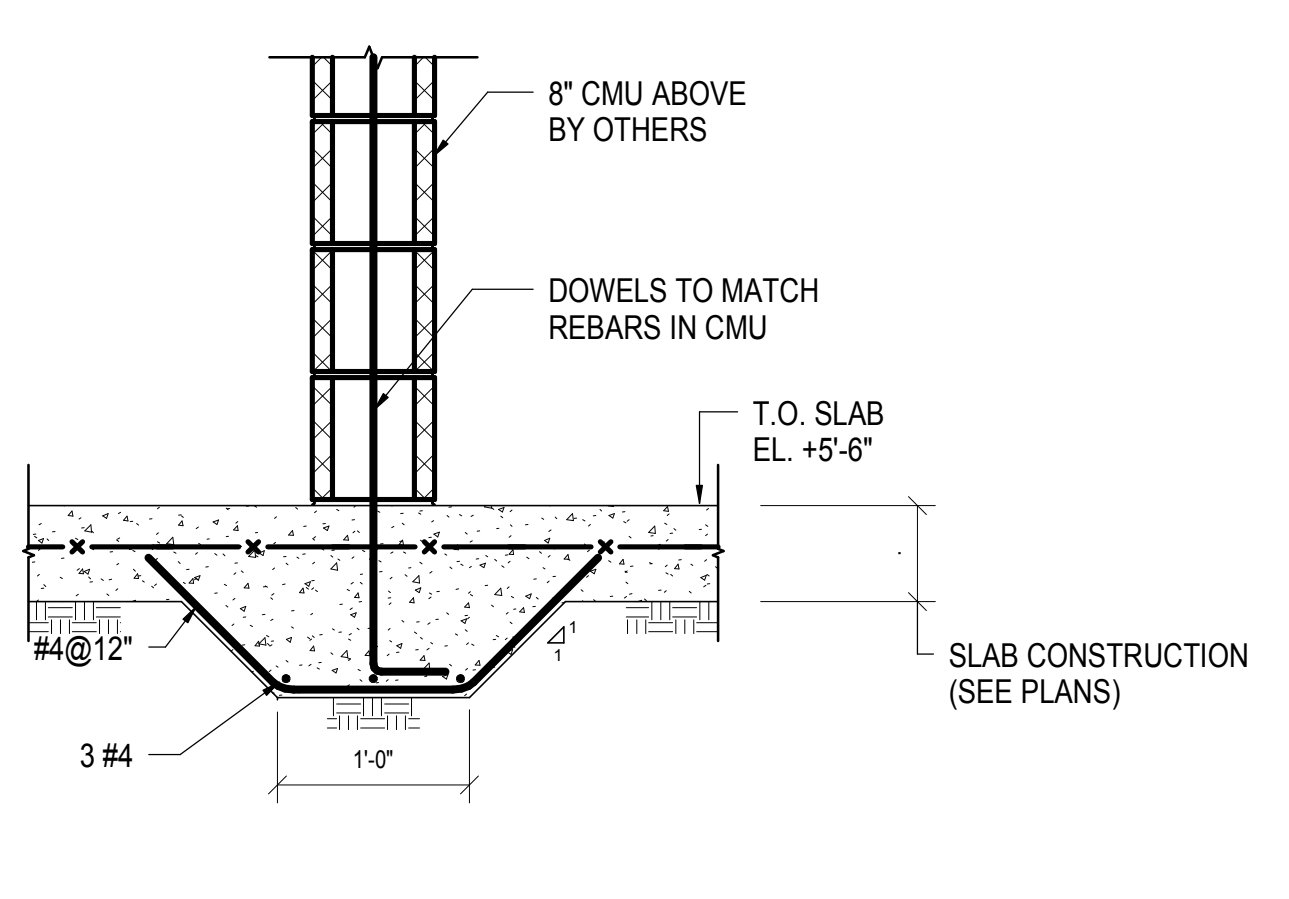
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3/4" = 1'-0"



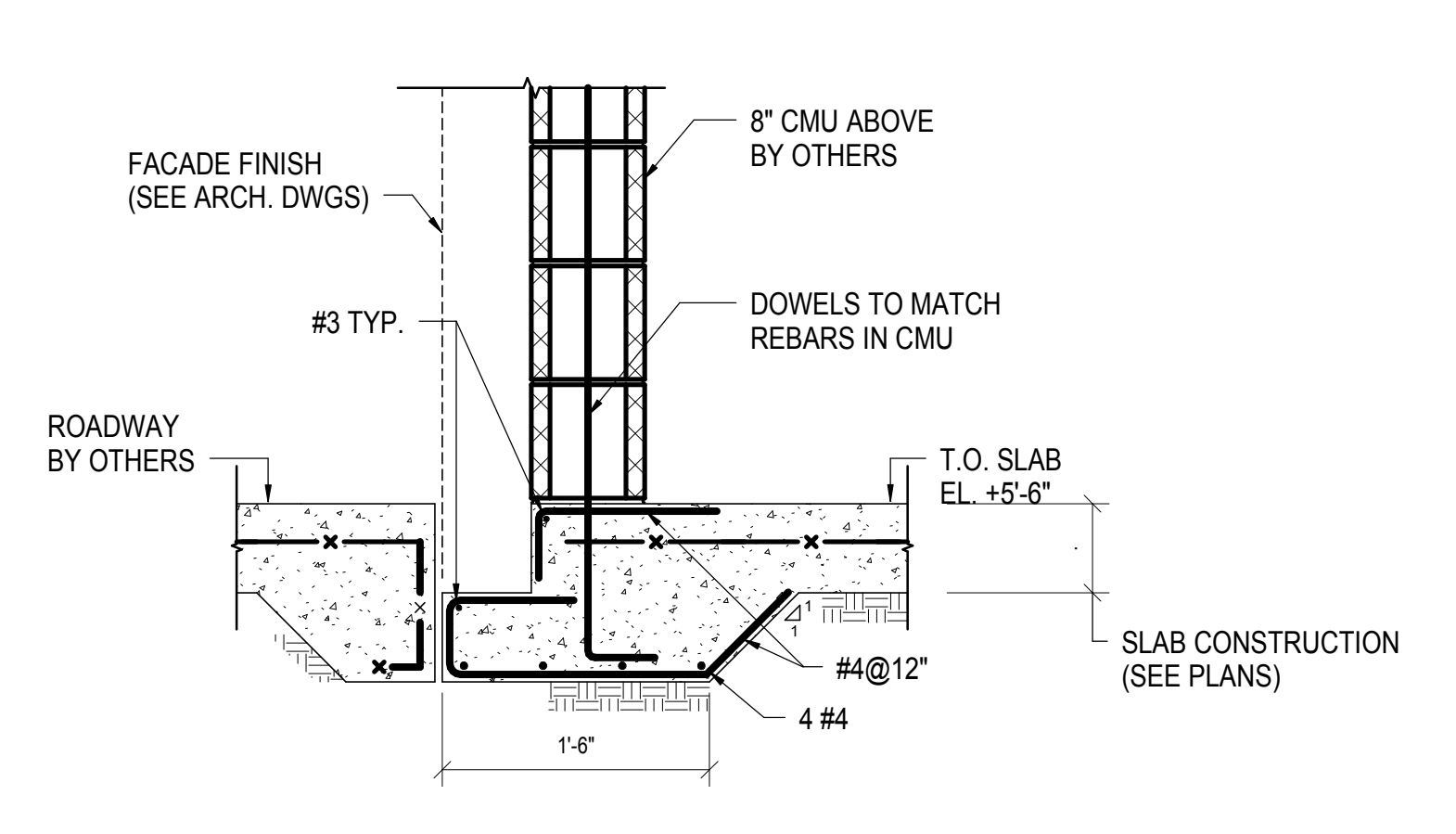
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3/4" = 1'-0"



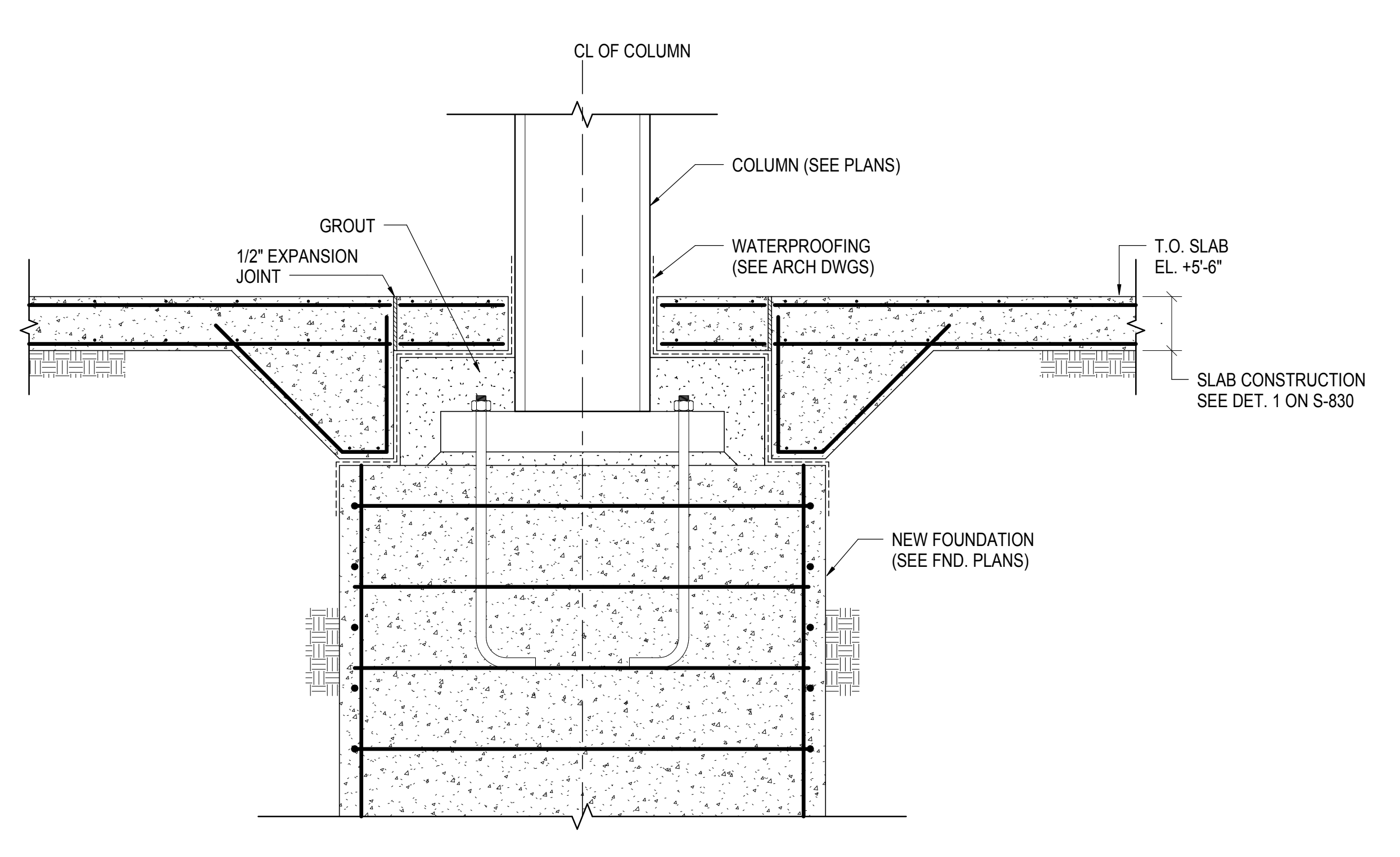
4 STEP SECTION @ RAIL TRENCH
3/4" = 1'-0"



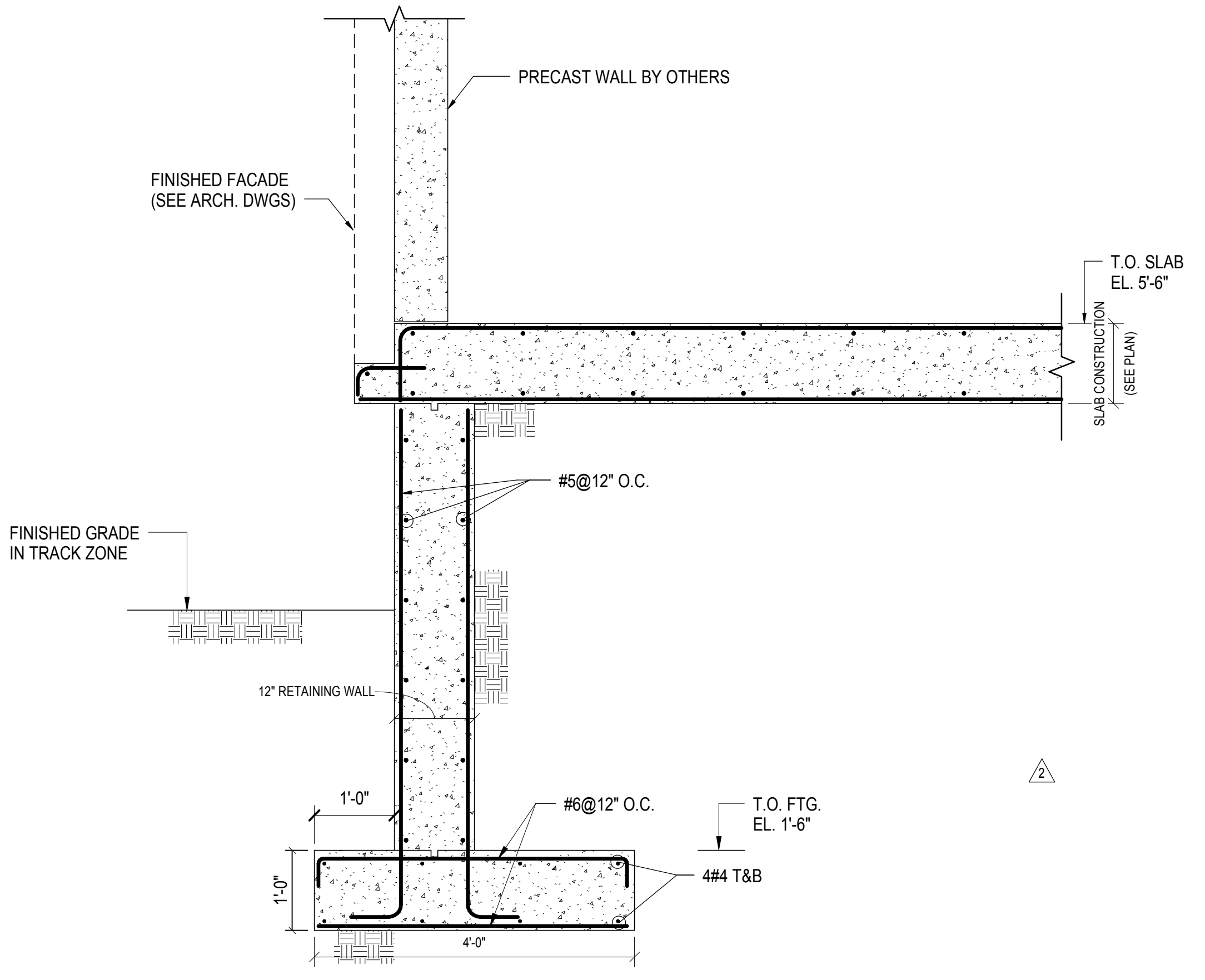
5 CONCRETE HAUNCH @ INTERIOR CMU WALL
1" = 1'-0"



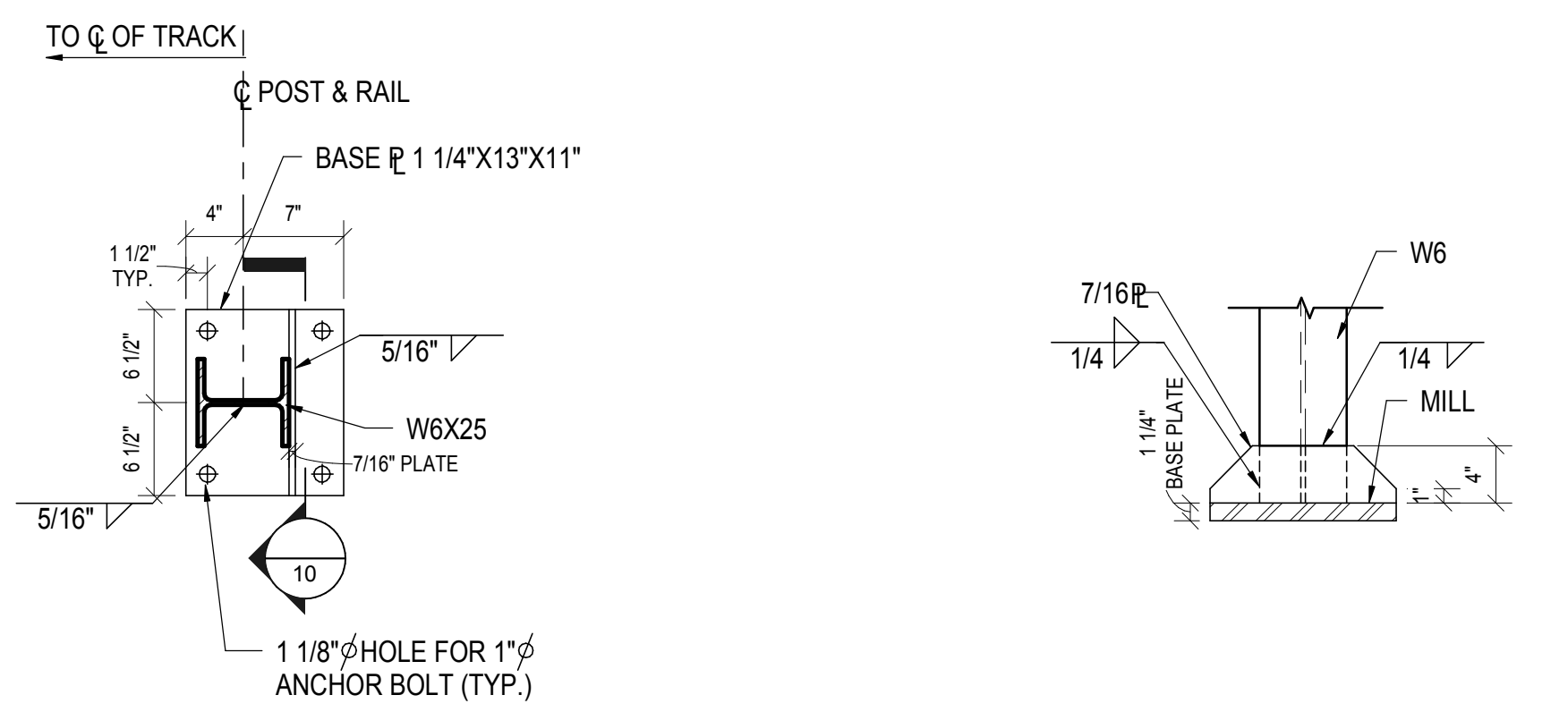
6 CONCRETE HAUNCH @ EXTERIOR CMU
1" = 1'-0"



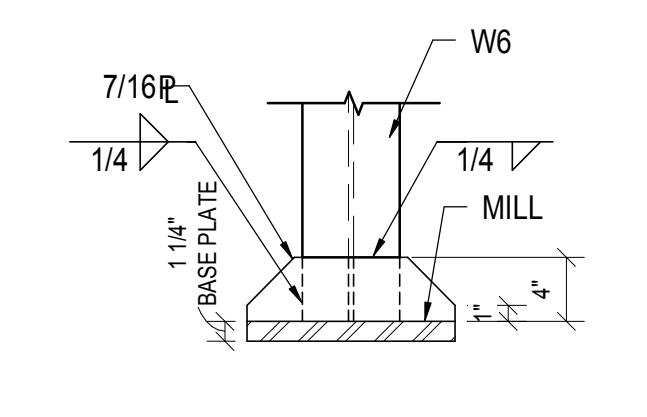
7 NEW SLAB @ COLUMN SUPPORTED BY PIER
3/4" = 1'-0"



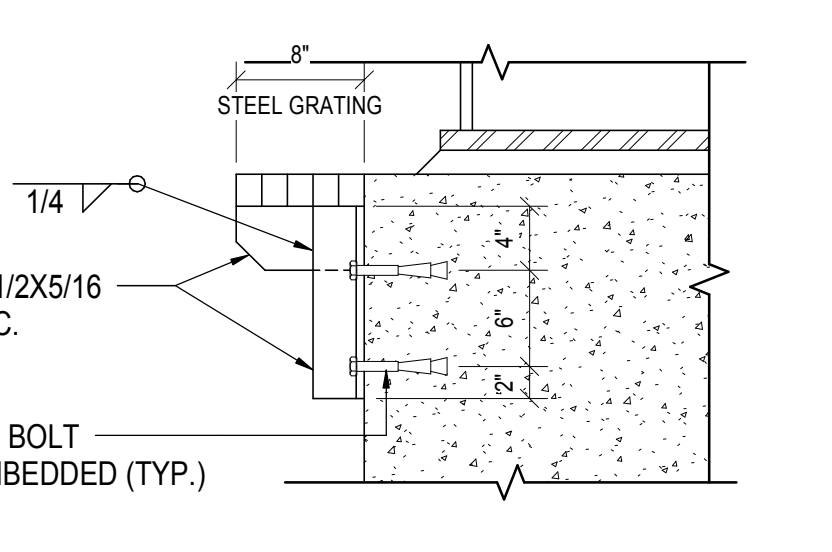
8 CANTILEVER SLAB NEAR TRACK ZONE
3/4" = 1'-0"



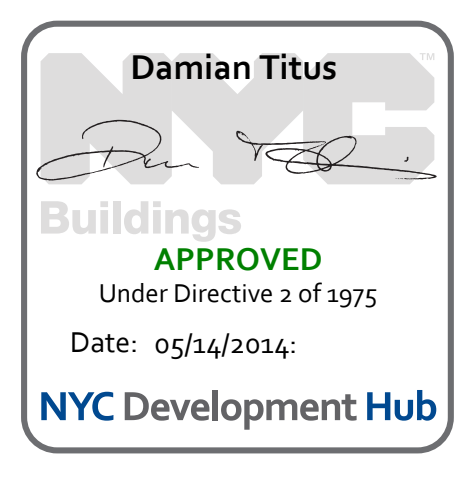
9 BASE CONNECTION OF RAIL POST
1" = 1'-0"



10 SECTION @ RAIL POST
1" = 1'-0"



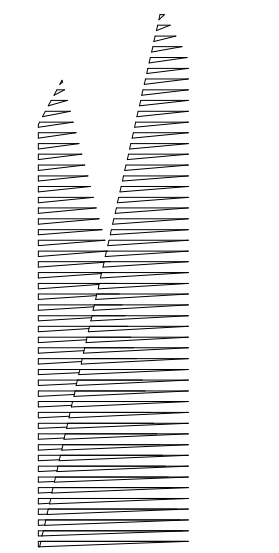
11 EDGE OF RAIL TRENCH
1" = 1'-0"



Date: 07/12/13
Project No: N11330.00
Author: Author

HYE -PL -S-850.00
MOE BUILDBACK
SECTIONS AND
DETAILS

Drawing Number: /B/SC/05 Drawing Number
S-850.00



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| | |
|---------------------------------|-------------|
| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Model PLATFORM SUBMISSION | 11/22/2013 |
| 2. DRG PHASE 1 STRUCTURE UPDATE | 11/1/2013 |
| LIRR - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| 3. DRG PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/9/2013 |
| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
| Rev | Description |

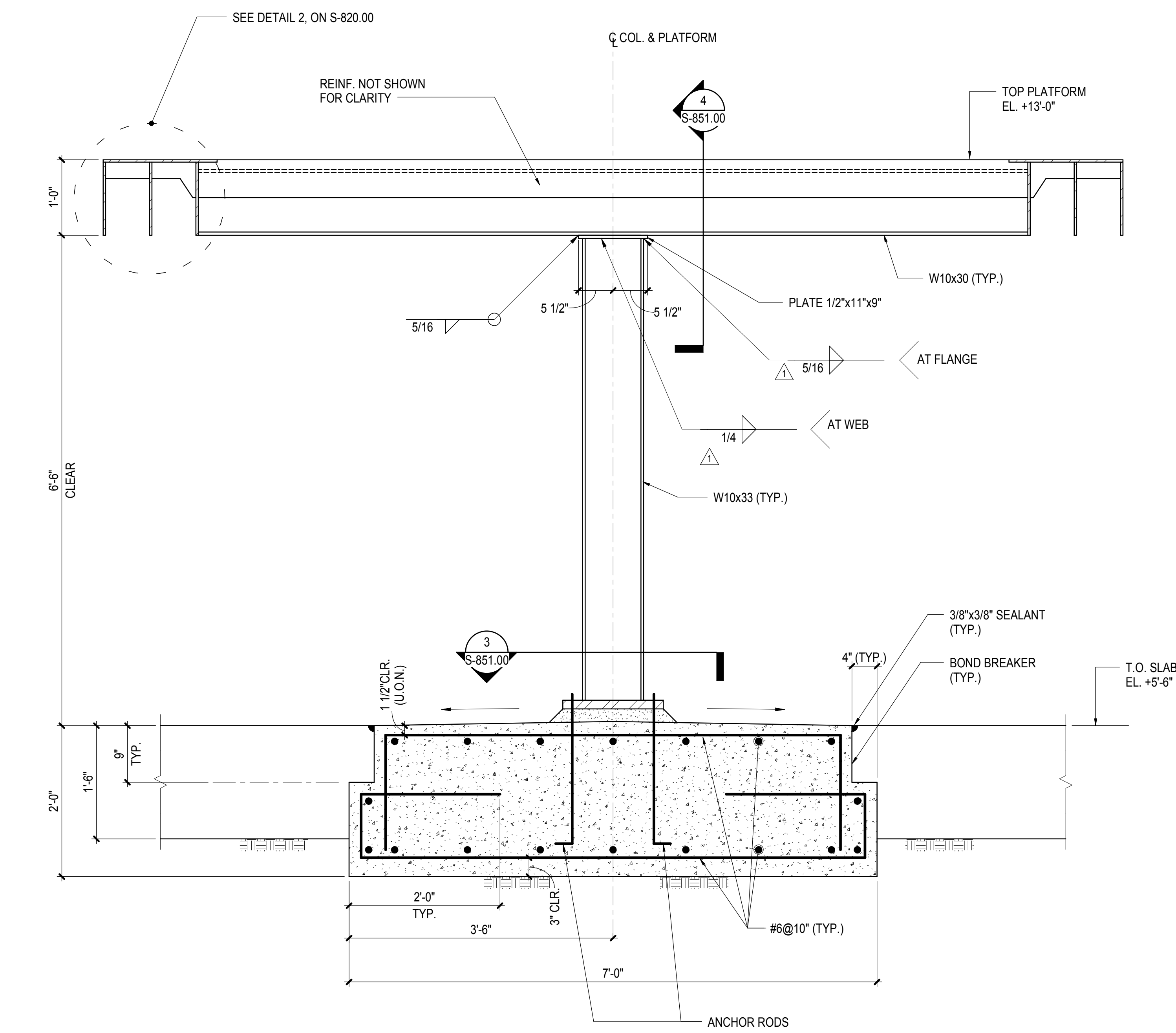
Rev Plot

Date: 07/12/13
Project No: N11330.00
Drawing No: Author
Sheet Number

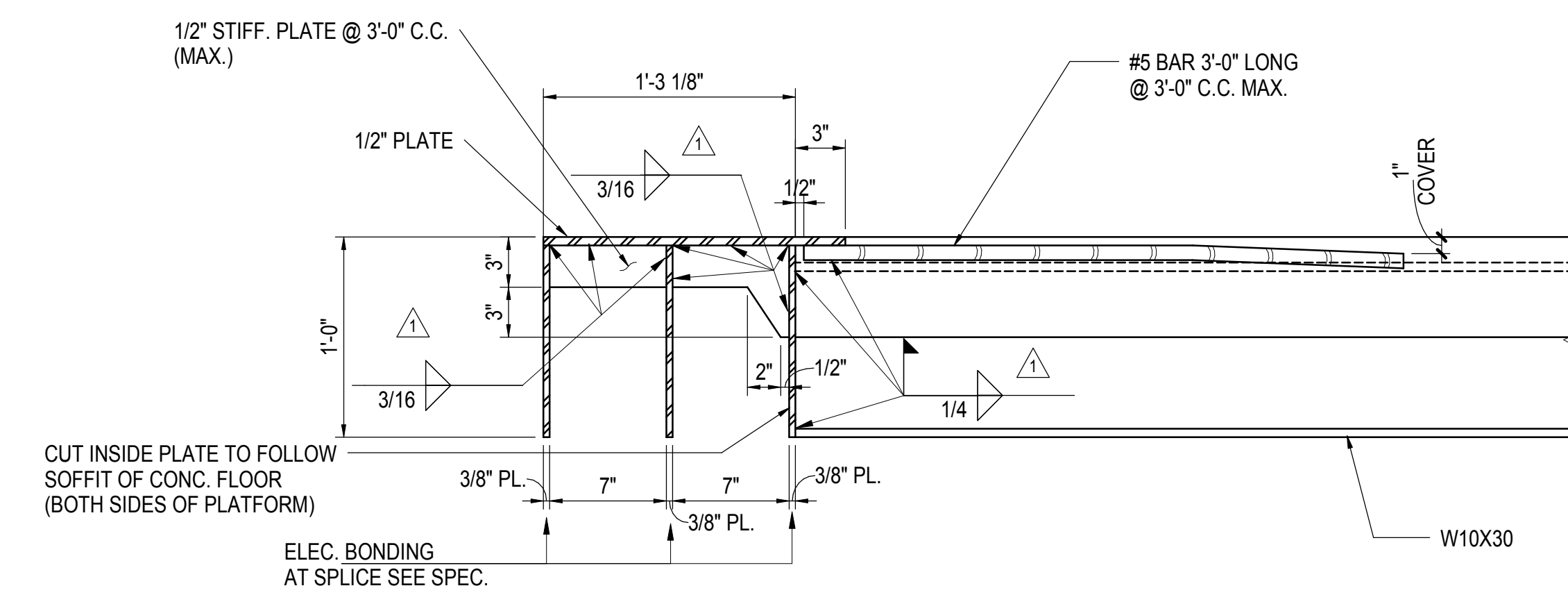
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MOE BUILDBACK SECTIONS AND DETAILS

Drawing Number / Revision Drawing Number
S-851.00

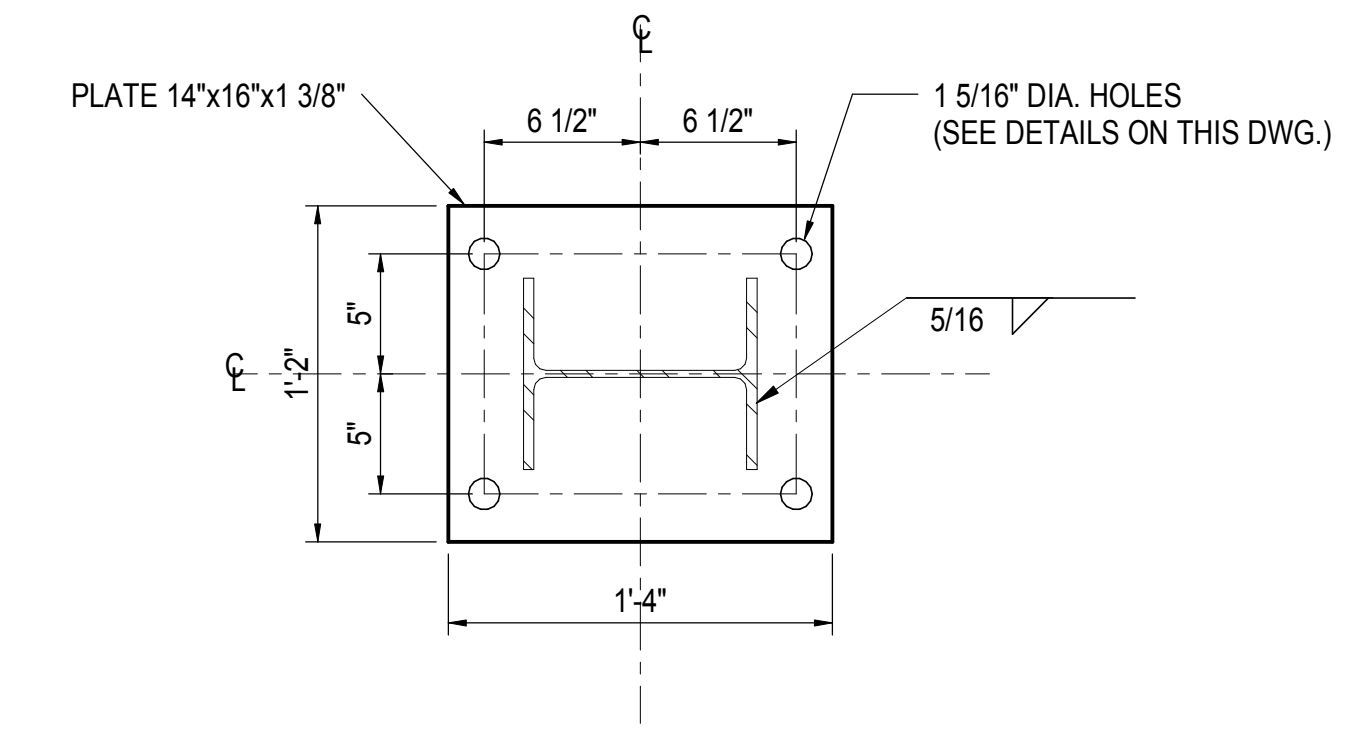
SHEET 199 OF 201



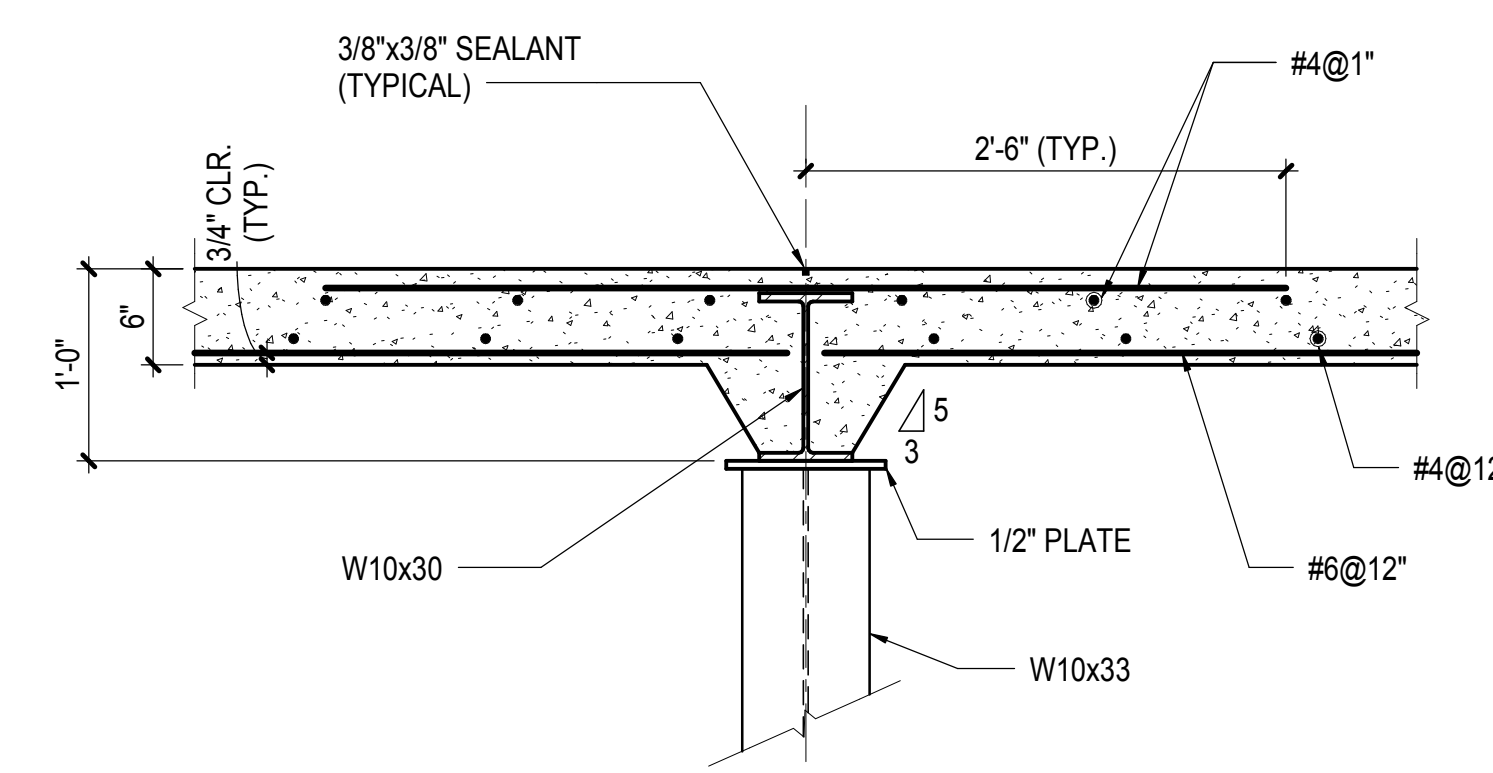
1 TYPICAL M.O.E. SECTION PLATFORM
1" = 1'-0"



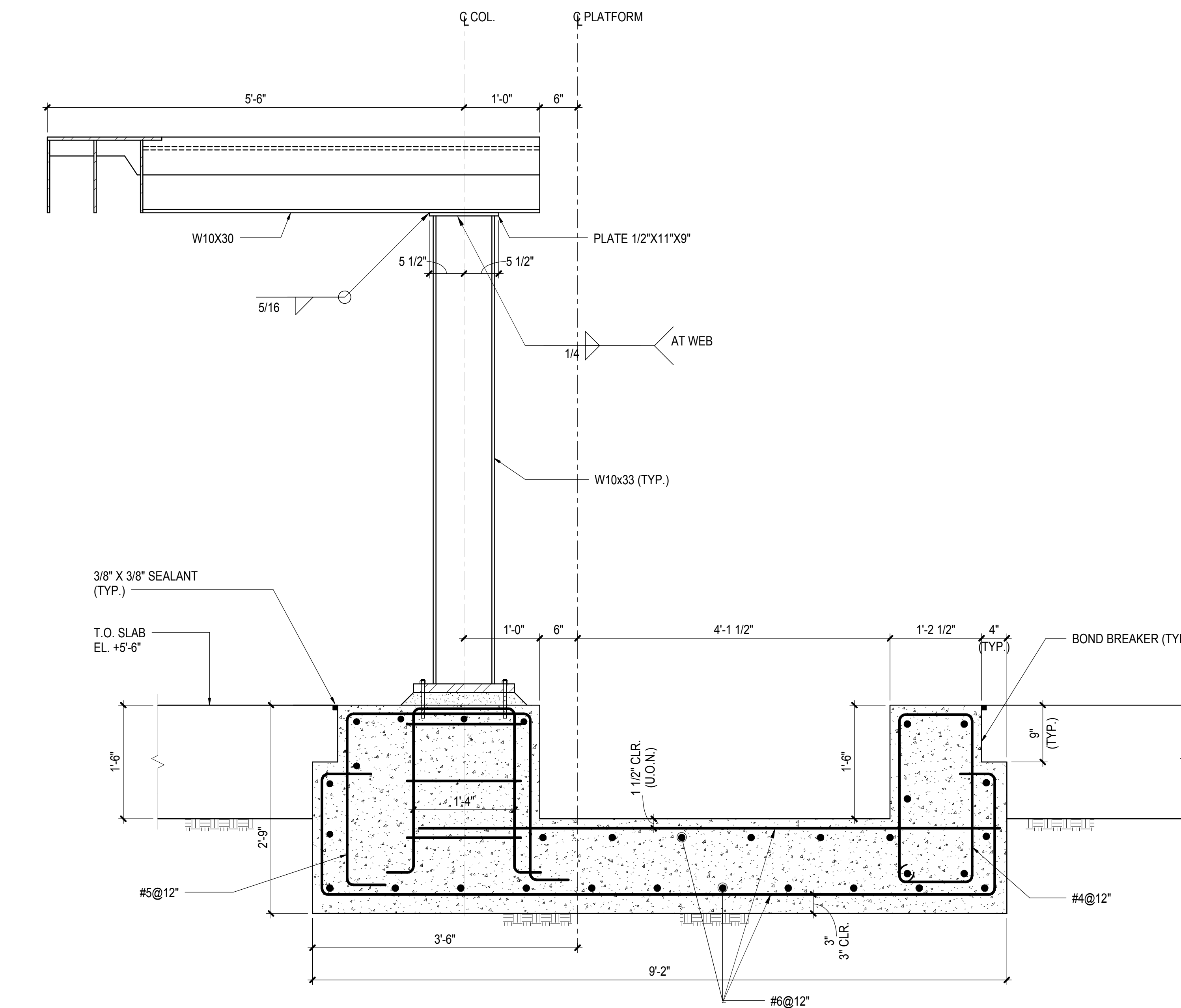
2 TYPICAL EDGE OF PLATFORM
1 1/2" = 1'-0"



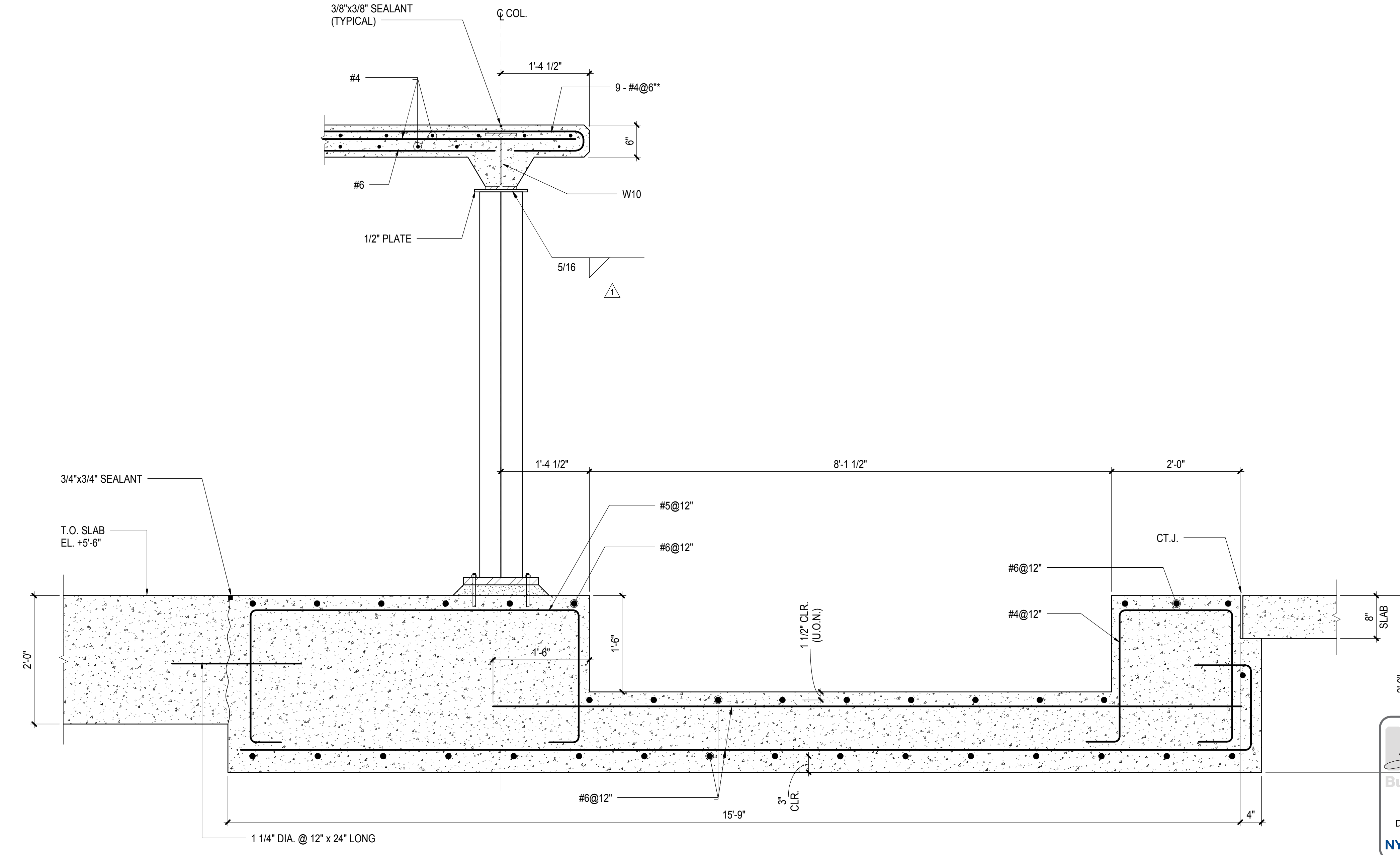
3 TYPICAL BASE PEDESTAL DETAIL
1 1/2" = 1'-0"



4 TYPICAL M.O.E. PLATFORM SLAB CONSTRUCTION
1" = 1'-0"



5 SECTION
1" = 1'-0"



6 SECTION
1" = 1'-0"

Damian Titus
APPROVED
Under Directive 3 of 1975
Date: 05/14/2014
NYC Development Hub

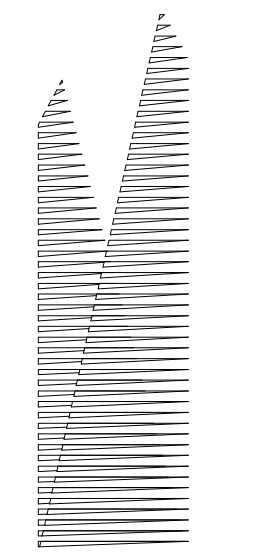


Drawing Number / Revision Drawing Number

S-851.00

SHEET 199 OF 201

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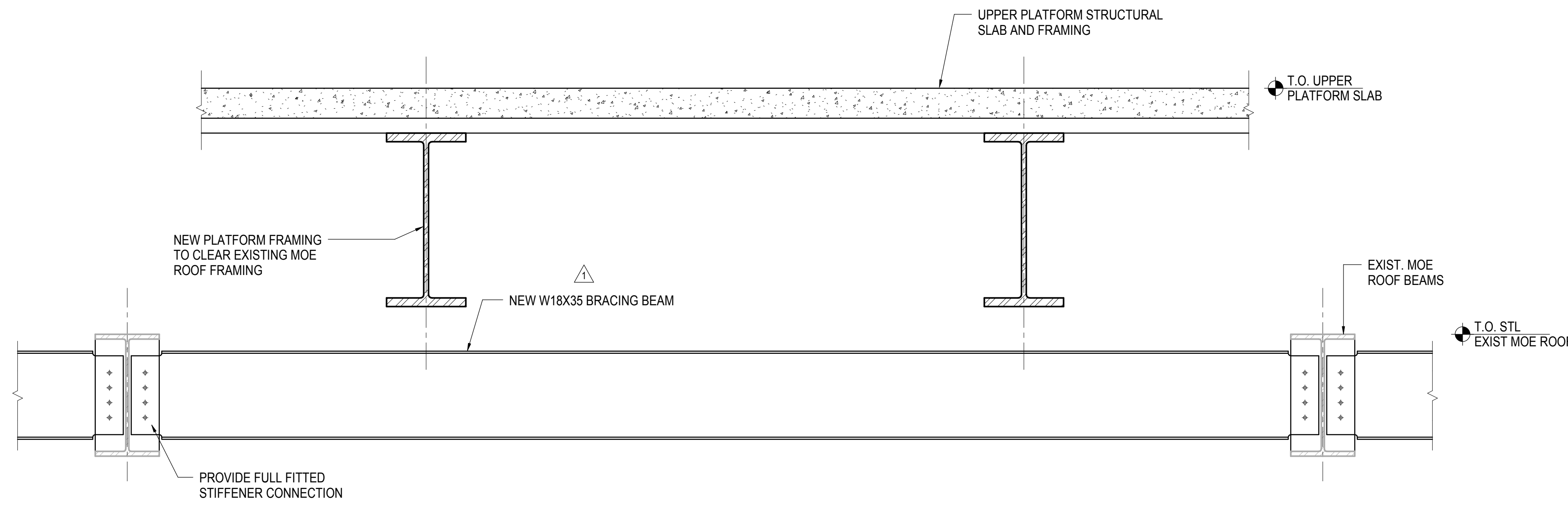
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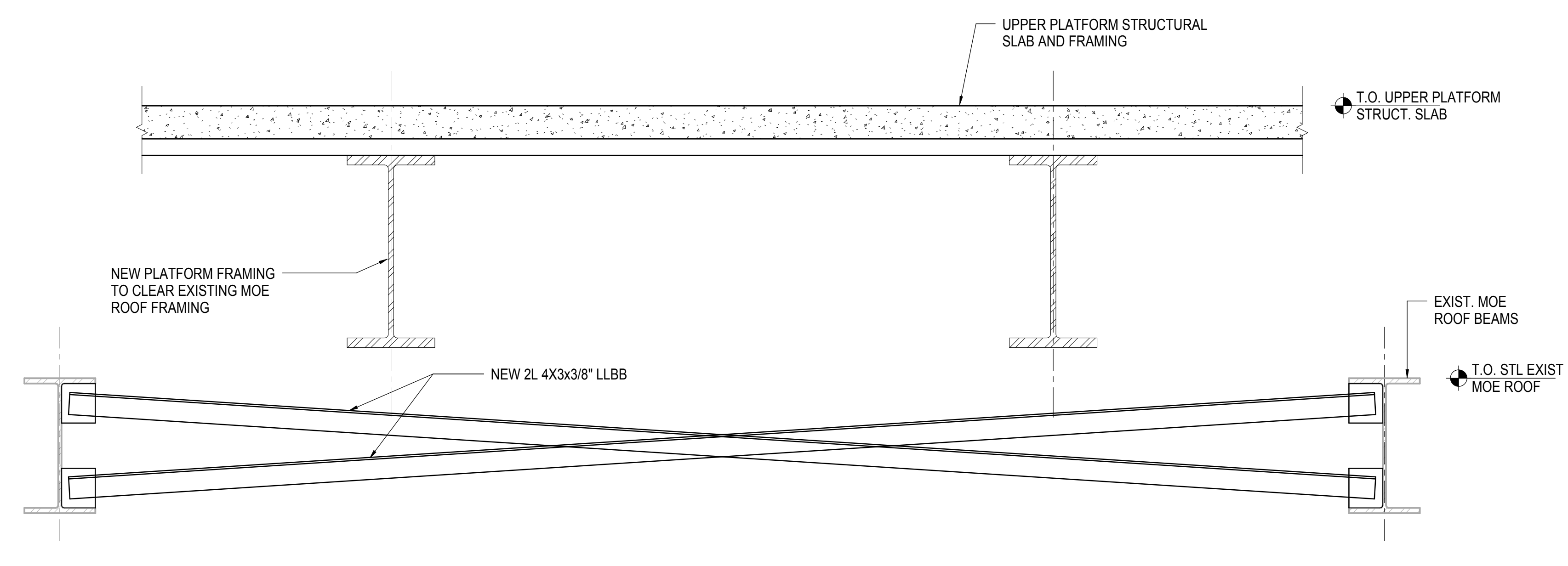
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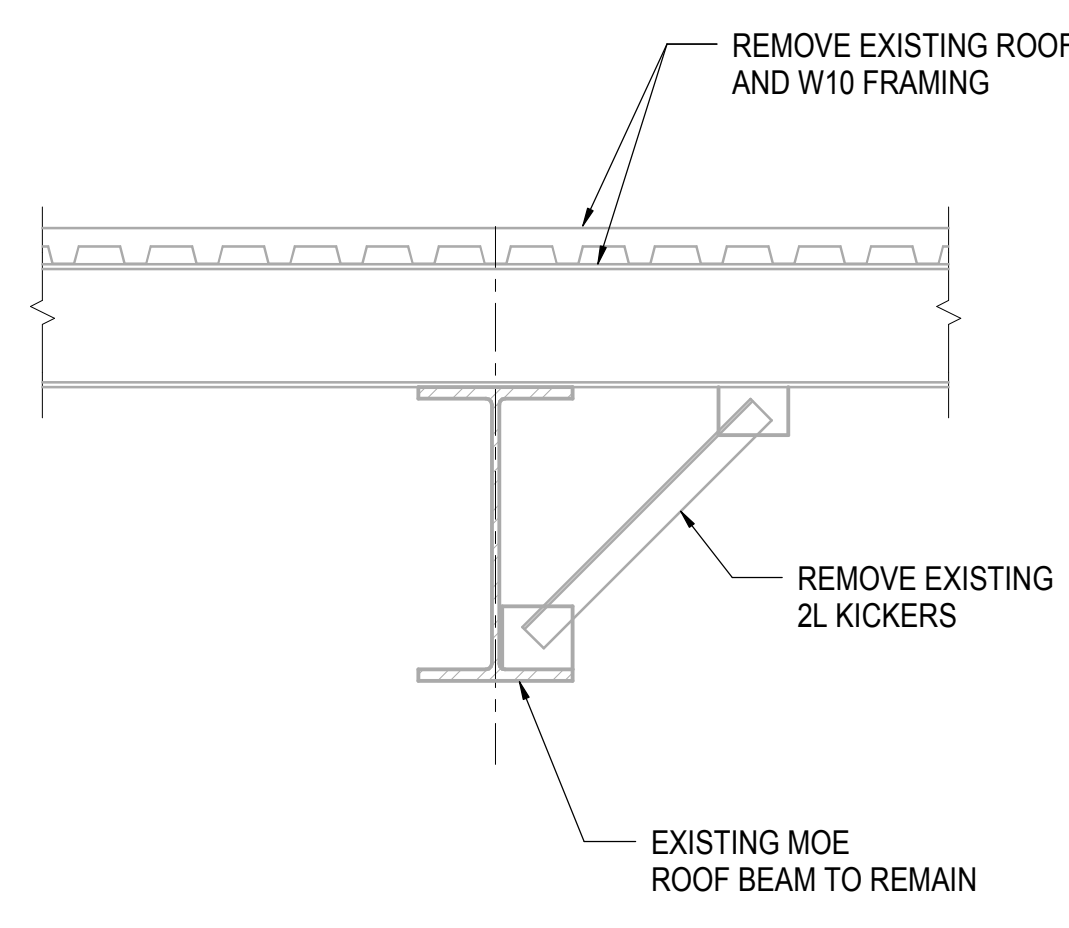
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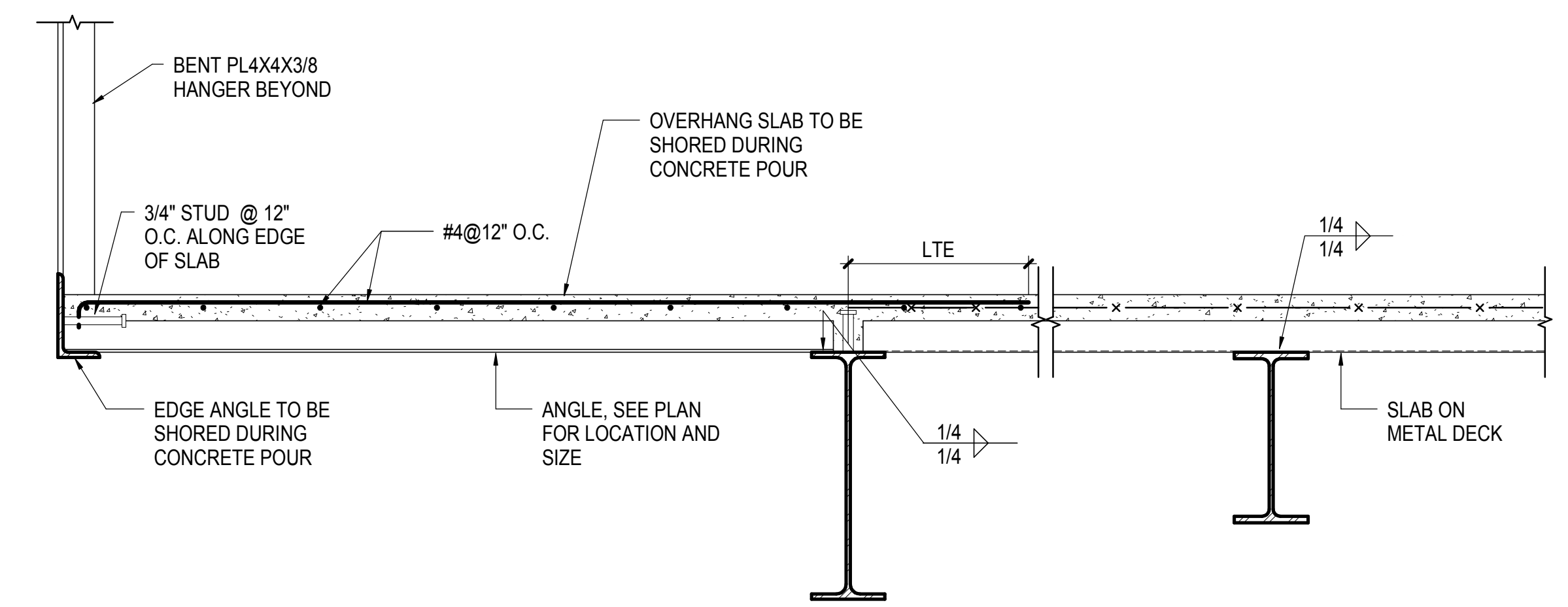
1 BRACING DETAIL AT EXISTING MOE HIGH ROOF
3/4" = 1'-0"



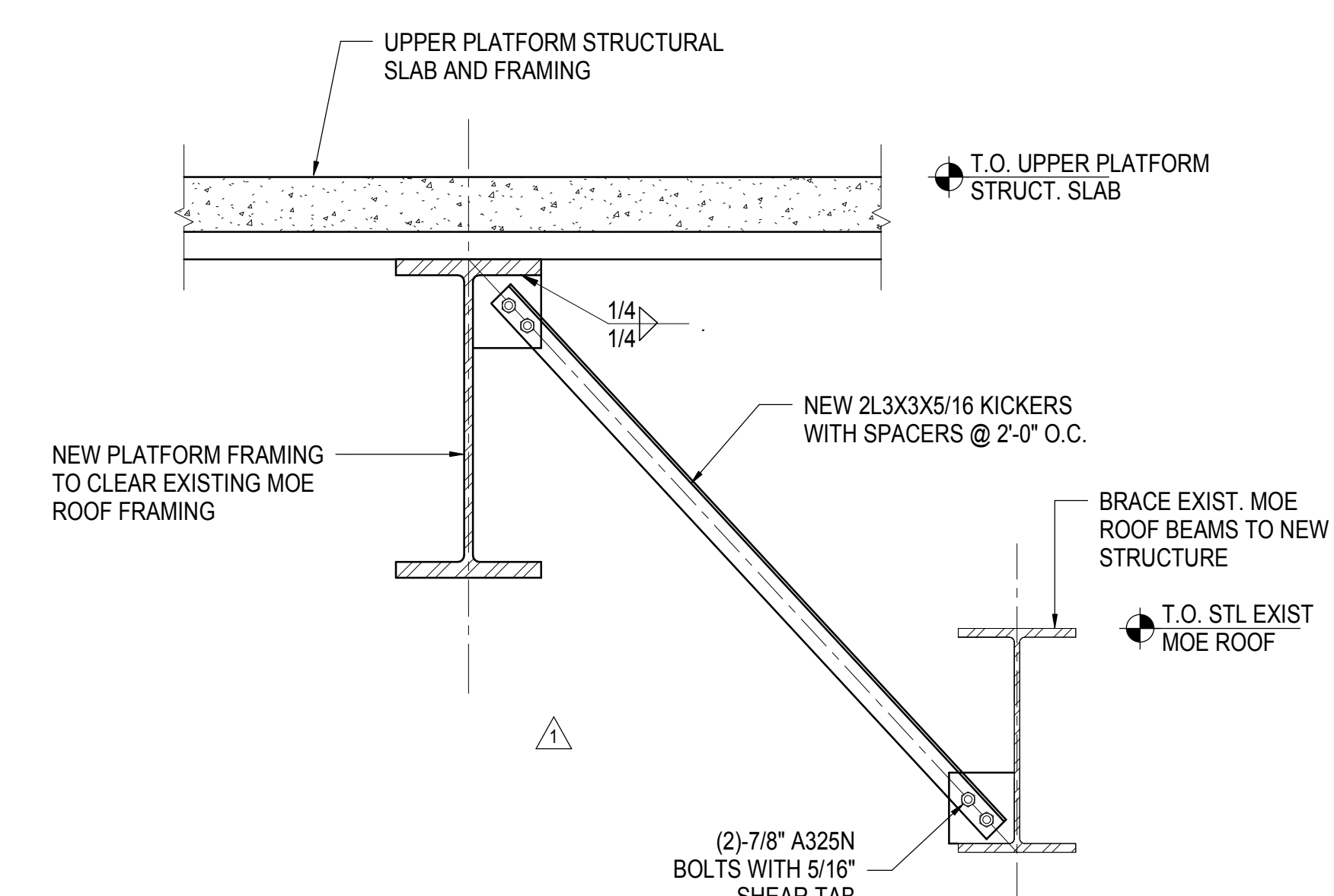
2 ALTERNATE BRACING DETAIL AT EXISTING MOE HIGH ROOF
3/4" = 1'-0"



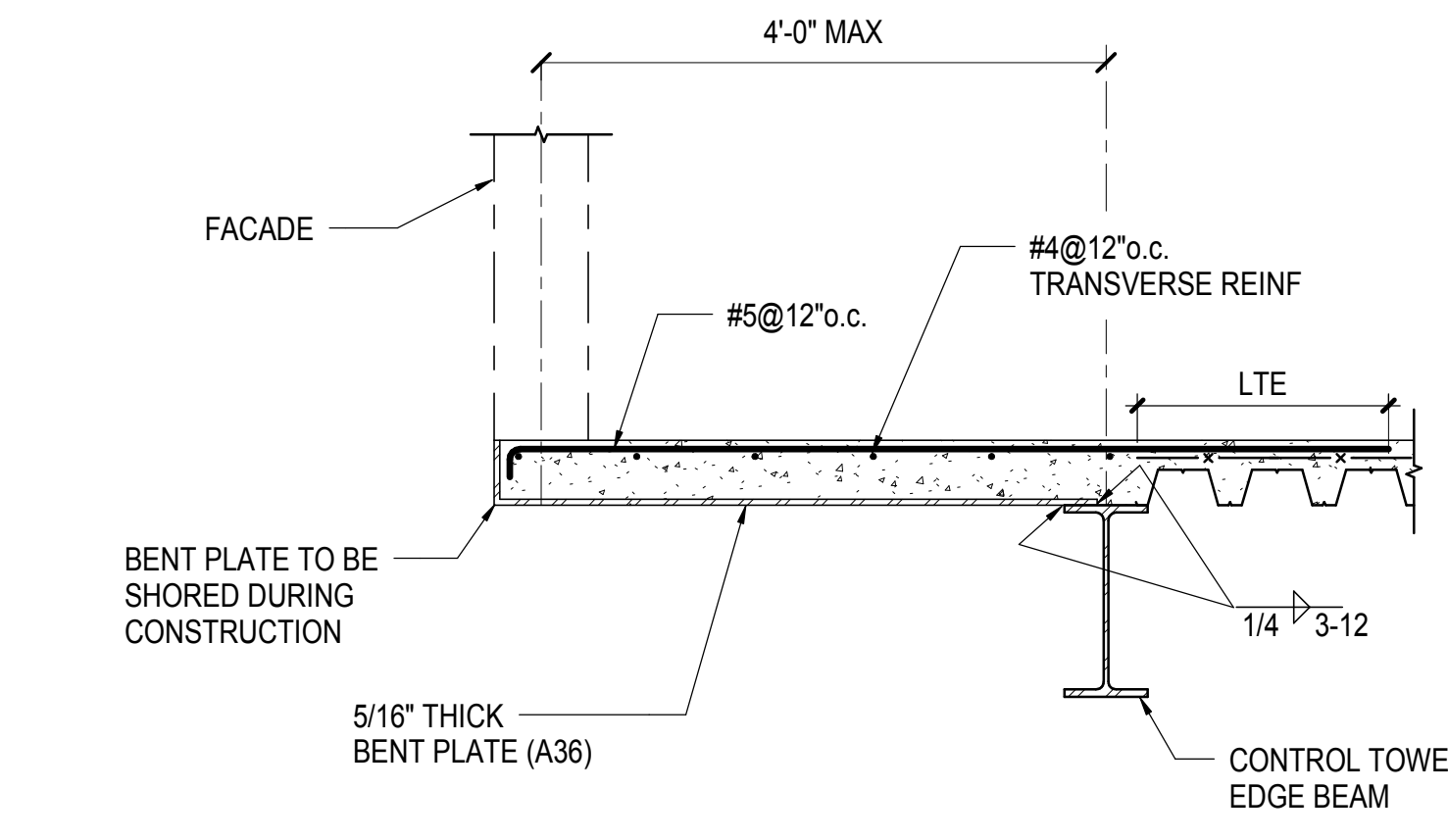
3 SECTION AT EXISTING MOE HIGH ROOF
3/4" = 1'-0"



4 SECTION @ CONTROL TOWER OVERHANG SLAB
1" = 1'-0"



5 ALTERNATE BRACING DETAIL AT EXISTING MOE HIGH ROOF
3/4" = 1'-0"



6 TYPICAL EDGE OF SLAB AT CONTROL TOWER
3/4" = 1'-0"

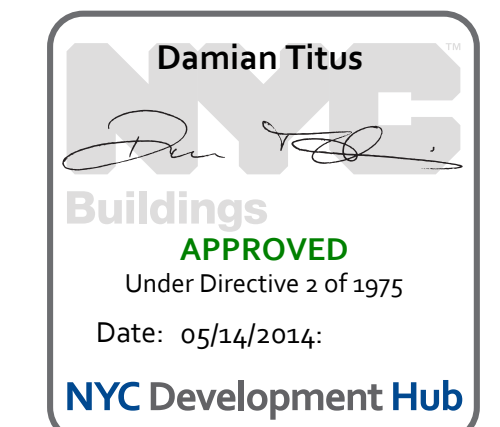
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| L.I.R.R. - PRE-FINAL 100% | 11/22/2013 |
| Mod. PLATFORM SUBMISSION | |
| 2. DRG PHASE 1 STRUCTURE UPDATE | 11/1/2013 |
| LIRR - 90% M.O.E. SUBMISSION | 10/4/2013 |
| NYC DOB FILING | 10/4/2013 |
| 3. DRG PHASE 1 STRUCTURE UPDATE | 9/20/2013 |
| LIRR - 90% SUBMISSION | 8/09/2013 |
| LIRR - 60% M.O.E. SUBMISSION | 7/12/2013 |
| Rev | Description |

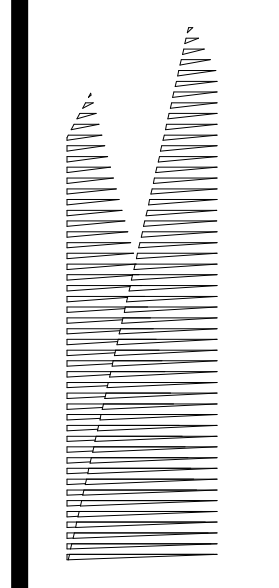
Rev. Plan

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|--------------|-----------|
| Date | 07/12/13 |
| Project No | N11330.00 |
| Revision No | Author |
| Sheet Number | |

HYE-PL-S-852.00
Drawing Title
**MOE BUILDBACK
SECTIONS AND
DETAILS**

Drawing Number / B/S/C/S Drawing Number
S-852.00





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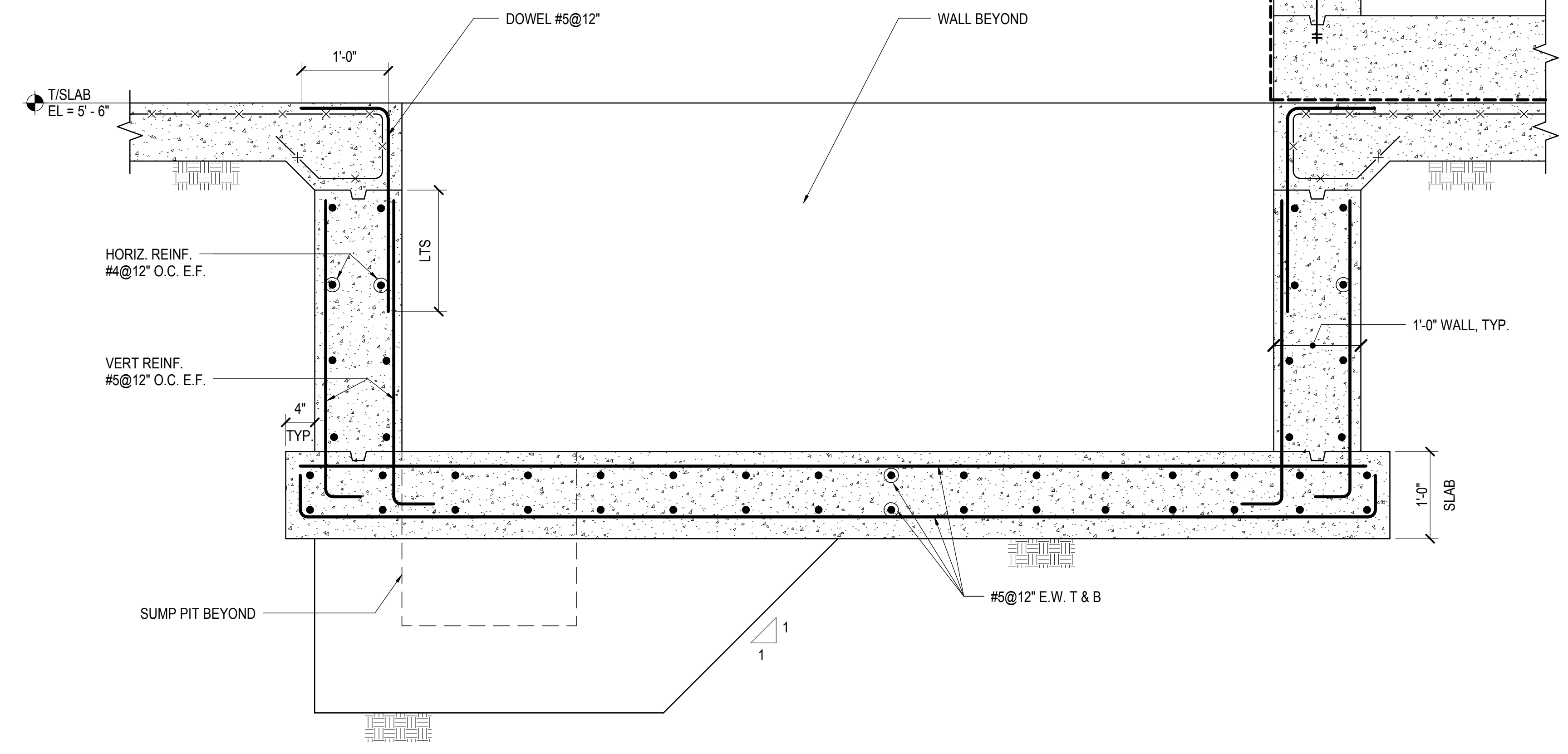
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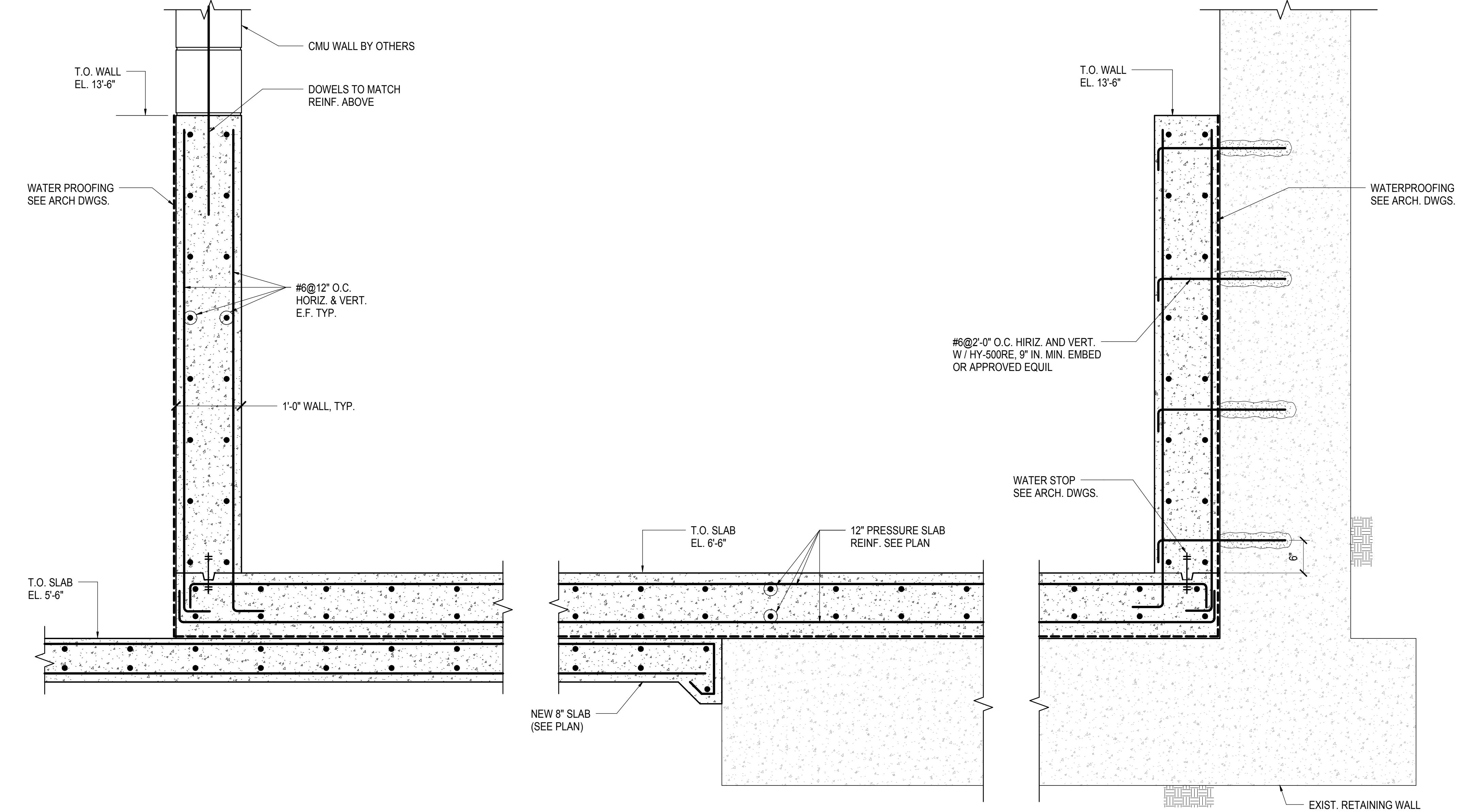
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1 ELEVATOR PIT AT M.O.E.
1" = 1'-0"



2 PRESSURE SLAB DETAIL
1" = 1'-0"

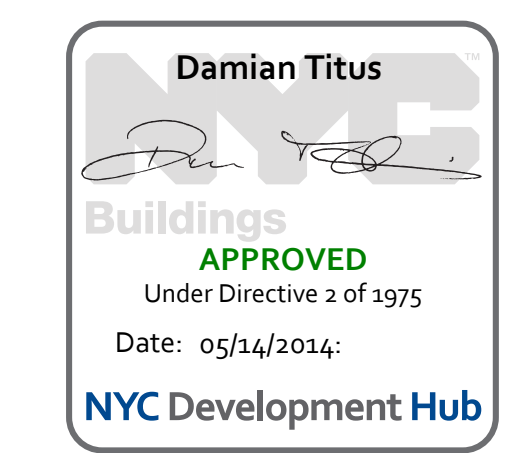
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| NYC DOB FILING | 12/4/2013 |
| L.I.R.R. PRE-FINAL 100% | 11/22/2013 |
| M&E - PLATFORM SUBMISSION | |
| D-42 PHASE 1 STRUCTURAL UPDATE | 11/1/2013 |

Rev. No. Description Date

Date: 11/01/13
Project No: N11330.00
Drawn By: Author
Sheet Number:

HYE - PL - S-853.00
Drawing Title
MOE BUILDBACK SECTION AND DETAILS

Drawing Number / B/S/C/S Drawing Number
S-853.00
SHEET 201 OF 201





Hudson Yards

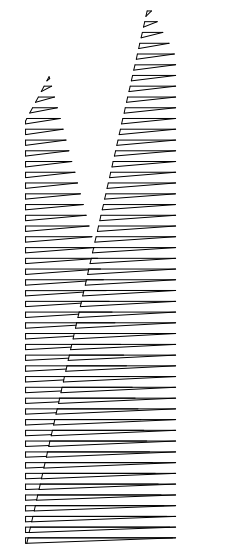
Platform

NYC DOB POST-APPROVAL AMENDMENT

October 28, 2016

Discipline Index

- ZONING
- LIFE SAFETY
- ARCHITECTURAL
- FOUNDATION
- STRUCTURAL



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| | | |
|----|---|------------|
| 18 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 17 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 16 | L.I.R.R. - MoE Final 100% Design Submission for Records | 5/15/2015 |
| 15 | AS1-M-018 | 5/21/2015 |
| 14 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 13 | AS1-009 | 10/14/2014 |
| 12 | L.I.R.R. - Mo.E. Permit Submission | 8/12/2014 |
| 11 | L.I.R.R. - Mo.E. Permit Submission | 8/01/2014 |
| 10 | Exhaust Fan Plant 60% Submission | 5/28/2014 |
| 9 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 7 | L.I.R.R. - Pre-Final 100% MoE PLATFORM SUBMISSION | 11/22/2013 |
| 6 | DOB SUBMISSION | 10/18/2013 |
| 5 | L.I.R.R. - 90% MoE SUBMISSION | 10/04/2013 |
| 4 | L.I.R.R. - 60% MoE SUBMISSION | 8/09/2013 |
| 3 | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

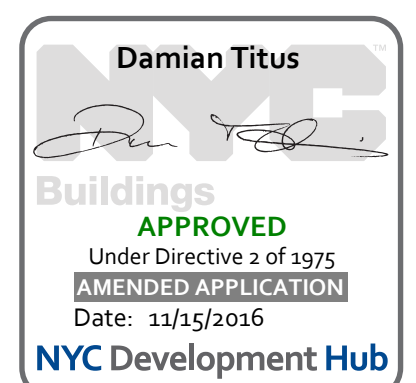
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Date: 10/28/16
Project No: 219
Drawn By: [Signature]
Sheet Number

Drawing Title
HYE -PL -TS-001.00

TITLE SHEET

Sheet Number
TS-001.00



| | | |
|------------------|---------------------------|---|
| ZR-11 | Block Lot Zoning District | 792 8001, 8002, 8003 Central Hudson Yards District Large-Scale Plan Subdistrict A Eastern Railyards Subarea A1 8b/8d 570,000 sf |
| ZR-13 | | N/A per ZR 93-80 |
| ZR-14 | | N/A |
| ZR-15 | | N/A not an alteration |
| ZR-32 | USE REGULATIONS | |
| ZR 32-10 | | Uses Permitted Use Group 1-12 |
| | | Uses Provided 12C |
| ZR 32-60 | SIGN REGS | No signage under this application |
| ZR 33-03 / 93-62 | STREET TREES | Frontage along 33rd Street: 800' Frontage along Tenth Ave.: 712.5' Frontage along 30th Street: 800' Frontage along Eleventh Ave.: 712.5' Total Frontage: 3,025' / 25' = 121 Trees 121 Trees Required 61 Provided Note: Trees not shown at curb cuts, underneath existing highline, above DEP water tunnel infrastructure, or along Eleventh Avenue viaduct due to infeasibility of planting. |

| | | | |
|-------------|--|--|----------|
| ZR 36-62 | OFF-STREET LOADING | No Off-Street Loading proposed under this application - none required | Complies |
| ZR 36-70 | BICYCLE PARKING | Use Group 12C - None Required | Complies |
| ZR 93-12 | | N/A No Residential Proposed under this application | |
| ZR 93-14 | RETAIL AND GLAZING REQUIREMENTS | None required under this application | Complies |
| ZR 93-17 | SIGNAGE | No signage under this application | Complies |
| ZR 93-18 | NON-CONFORMING USES | N/A - No enlargements of uses listed in ZR 93-18 are proposed under this application. | |
| ZR 93-19 | ELECTRICAL SUBSTATION | N/A - no Electrical Substations proposed | |
| ZR 93-21(b) | Floor Area | See Sheet Z-000.00 for Zoning Lot Area Compliance See Sheet Z-010.00 for detailed Floor Area No Floor Area filed under this application - all floor area for site filed under respective building applications | Complies |
| ZR 93-31 | | N/A to subarea A1 | |
| ZR 93-32 | | N/A to subarea A1 | |
| ZR 93-33 | | N/A to subarea A1 | |
| ZR 93-34 | | N/A no redistribution from subarea A1 proposed under this application | |

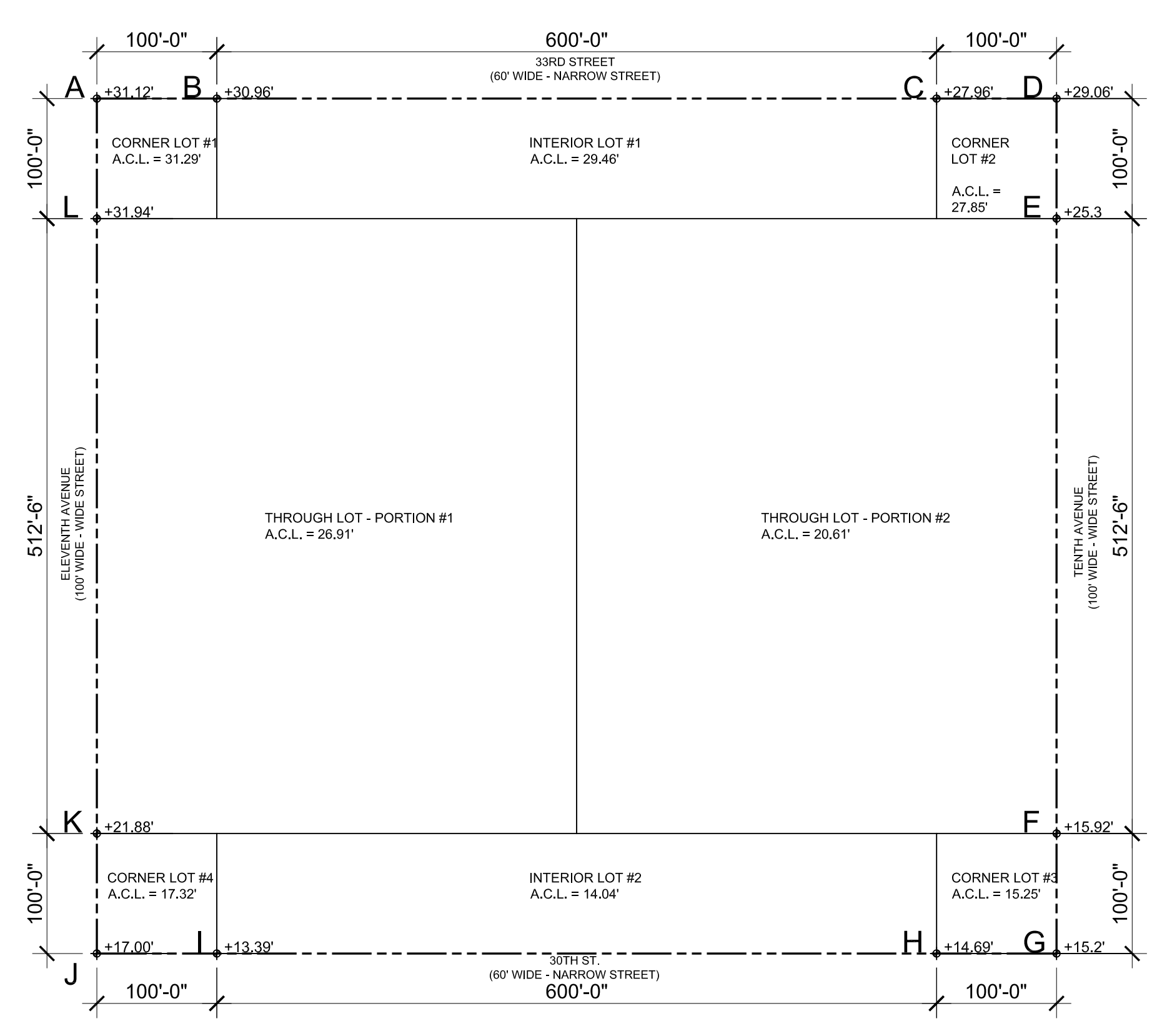
| | | | |
|------------------|---|---|----------|
| ZR 93-80 | HEIGHT AND SETBACK REGULATIONS | Setback regulations superseded by 93-514 except along Tenth Avenue (WIDE STREET) where a street wall is to be provided to min. 60' above sidewalk level. See application numbers 121186251/140332343 for compliance with this requirement | Complies |
| ZR 93-514 | LOCATION OF BUILDINGS | See Site Plan - Drawing 01/Sheet Z-001.00 | Complies |
| ZR 93-514(a)(4) | BUILDING LOCATION AT SPUR | No proposed building adjacent to Spur | Complies |
| ZR 93-60 | MANDATORY IMPROVEMENTS | | |
| ZR 93-61 / 93-A4 | Sidewalk Widening | See Site Plan - Drawing 1/Sheet Z-001.00 | Complies |
| ZR 93-63 | Pedestrian Circulation Space | N/A per 93-63(d) | |
| ZR 93-64 | Major Building Entrances | N/A to subarea A1 | |
| ZR 93-66 | Open Area Requirements in Large-Scale Plan Subdistrict A | N/A to subarea A1 | |
| ZR 93-70 | PUBLIC ACCESS REQUIREMENTS | See Sheets Z-020.00 - 0028.00 | Complies |
| ZR 93-71 | | see Phasing Plan - Sheet Z-022.00 | Complies |
| ZR 93-71 (c) | | See Sheet Z-023.00 | Complies |
| ZR 93-72 | | N/A to subarea A1 | |
| ZR 93-73 | | N/A to subarea A1 | |
| ZR 93-74 | | N/A to subarea A1 | |
| ZR 93-75 | | N/A to subarea A1 | |
| ZR 93-76 | | N/A to subarea A1 | |
| ZR 93-77 | | N/A to subarea A1 | |
| ZR 93-78 | | N/A to subarea A1 | |

| | | | |
|--------------|---|--|----------|
| ZR 93-80 | PARKING | None proposed under this application | Complies |
| ZR 93-821(d) | | | |
| ZR 93-822 | | N/A to subarea A1 | |
| ZR 93-83 | Use and Location of Parking Facilities | No parking proposed under this application | Complies |
| ZR 93-831 | Authorization for above-grade parking | No parking proposed under this application | |
| ZR 93-84 | Curb Cut Restrictions | N/A - no new curb cuts proposed along Tenth or Eleventh Avenue | |
| ZR 93-841 | | N/A to subarea A1 | |
| ZR 93-842 | | N/A to subarea A1 | |
| ZR 93-85 | | N/A to subarea A1 | |
| ZR 93-90 | Harassment | N/A - no residential proposed under this application | |
| ZR 93-91 | Demolition | N/A - no demolition of "Multiple Dwelling" proposed under this application | |

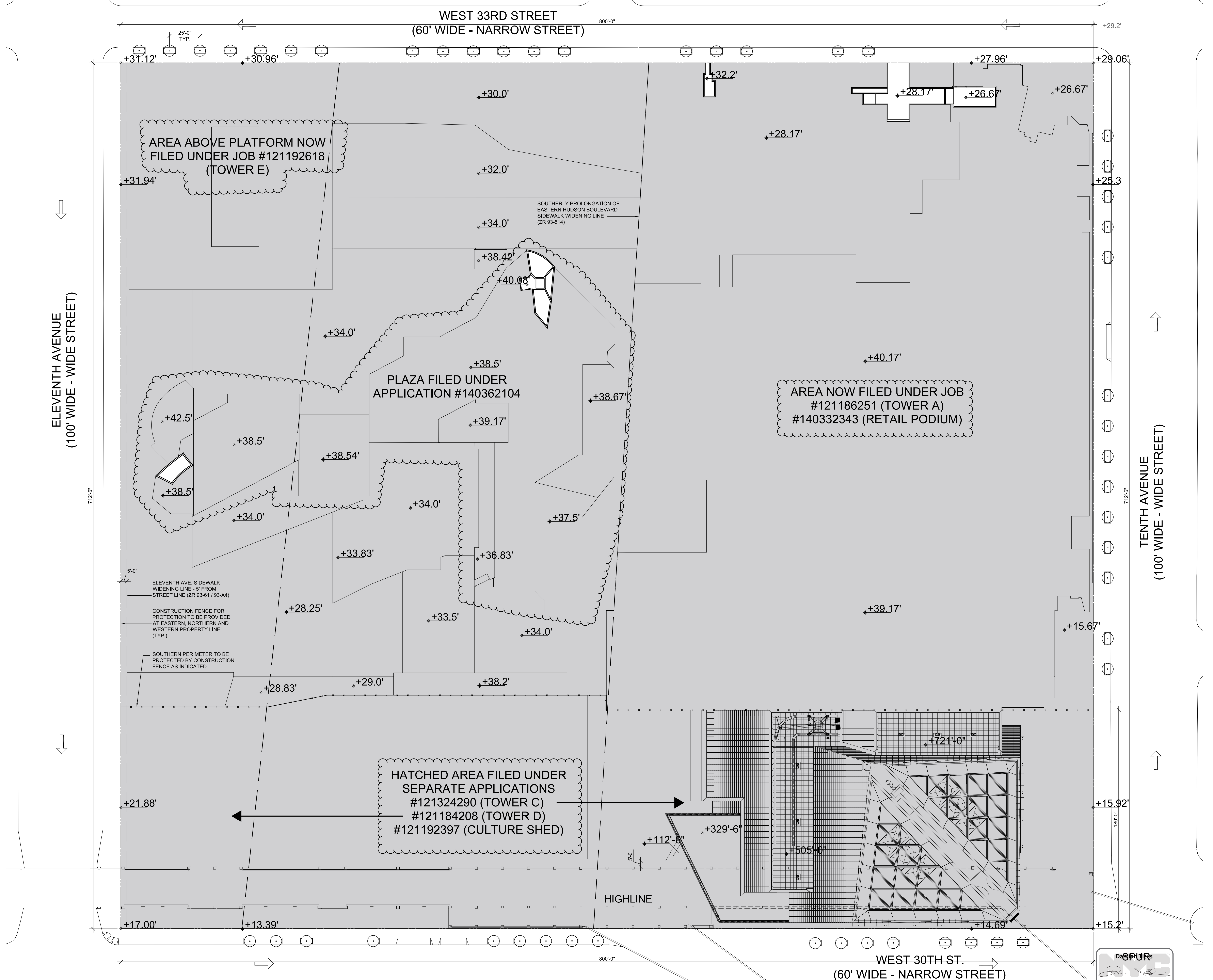
2 ZONING CALCULATIONS

| | | | |
|-----------------------------------|---|--|----------|
| CORNER LOT #1 | | | |
| $\frac{(A + B)/2 + (C + D)/2}{2}$ | $\frac{((31.12' + 30.96')/2) + ((31.12' + 31.94')/2)}{2}$ | | + 31.29' |
| INTERIOR LOT #1 | | | |
| $\frac{B + C}{2}$ | $\frac{30.96' + 27.96'}{2}$ | | + 29.46' |
| CORNER LOT #2 | | | |
| $\frac{(C + D)/2 + (E + F)/2}{2}$ | $\frac{((27.96' + 29.06')/2) + ((29.06' + 25.3')/2)}{2}$ | | + 27.85' |
| THROUGH LOT PORTION #2 | | | |
| $\frac{E + F}{2}$ | $\frac{25.3' + 15.92'}{2}$ | | + 20.61' |
| CORNER LOT #3 | | | |
| $\frac{(F + G)/2 + (H + I)/2}{2}$ | $\frac{((15.92' + 15.2')/2) + ((15.2' + 14.69')/2)}{2}$ | | + 15.25' |
| INTERIOR LOT #2 | | | |
| $\frac{H + I}{2}$ | $\frac{14.69' + 13.39'}{2}$ | | + 14.04' |
| CORNER LOT #4 | | | |
| $\frac{(I + J)/2 + (K + L)/2}{2}$ | $\frac{((13.39' + 17.0')/2) + ((17.0' + 21.88')/2)}{2}$ | | + 17.32' |
| THROUGH LOT #1 | | | |
| $\frac{K + L}{2}$ | $\frac{21.88' + 31.94'}{2}$ | | + 26.91' |

4 CURB LEVEL CALCULATION
SCALE: NTS



3 CURB LEVEL PLAN
SCALE: 1/128"=1'-0"



HUDSON YARDS PLATFORM

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Tel: 212.977.6500 Fax: 212.956.2526

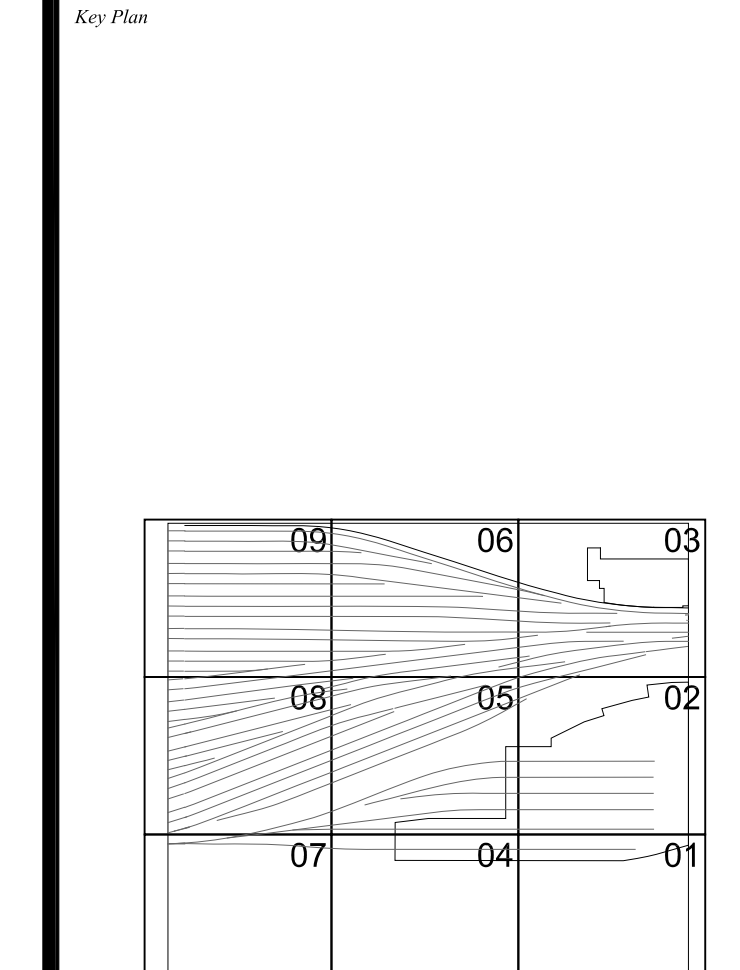
Structural Engineer
Thomson Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 917.661.7801

Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
ARCUM
605 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | | |
|---|--------------------------------|------------|
| 5 | D.O.B. POST-APPROVAL AMENDMENT | 10/28/2016 |
| 4 | D.O.B. SUBMISSION | 3/17/2014 |
| 3 | D.O.B. SUBMISSION | 2/12/2014 |
| 2 | D.O.B. SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |



Date: 2/15/2013
Project No: 2198
Drawing No: 20161029-HYE-PL-Z-001

20161029-HYE-PL-Z-001
ZONING
SITE PLAN
ZONING NOTES
AVG. CURB HEIGHT

Drawing Title:
Z-001.01

Drawing Number: 8-CAY Drawing Number

SHEET 001 OF 01

HUDSON YARDS PLATFORM

Address
530 WEST 33RD STREET
NEW YORK, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
Tel: 212.801.1000 Fax: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
Tel: 212.986.7514 Fax: 212.986.7510

Construction Manager
Tishman Construction Corporation
100 Park Avenue, 5th Floor
New York, NY 10017
Tel: 212.708.3600

Architect
Kohn Pedersen Fox Associates PC
Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

Structural Engineer
Thomson Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
Tel: 917.661.7800 Fax: 917.661.7801

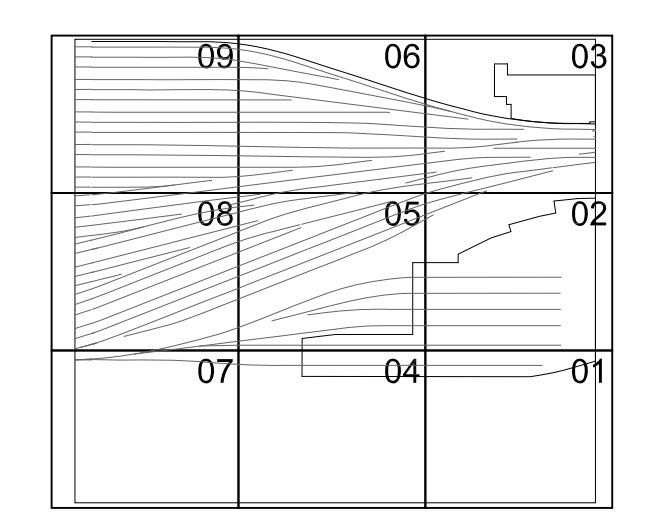
Civil, Mechanical, Electrical, Plumbing, Fire Alarm, Fire Protection, Security
Parsons Transportation Group
100 Broadway
New York, NY 10005
Tel: 212.266.8300 Fax: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
Tel: 212.896.3000

LIRR Substation
ARCUM
645 Third Avenue
New York, NY 10158
Tel: 212.973.9200 Fax: 212.682.6172

| | | |
|---|--------------------------------|------------|
| 4 | D.O.B. POST-APPROVAL AMENDMENT | 10/26/2016 |
| 3 | D.O.B. SUBMISSION | 3/17/2014 |
| 2 | D.O.B. SUBMISSION | 10/18/2013 |
| 1 | NYC D.O.B. FILING | 06/17/2013 |

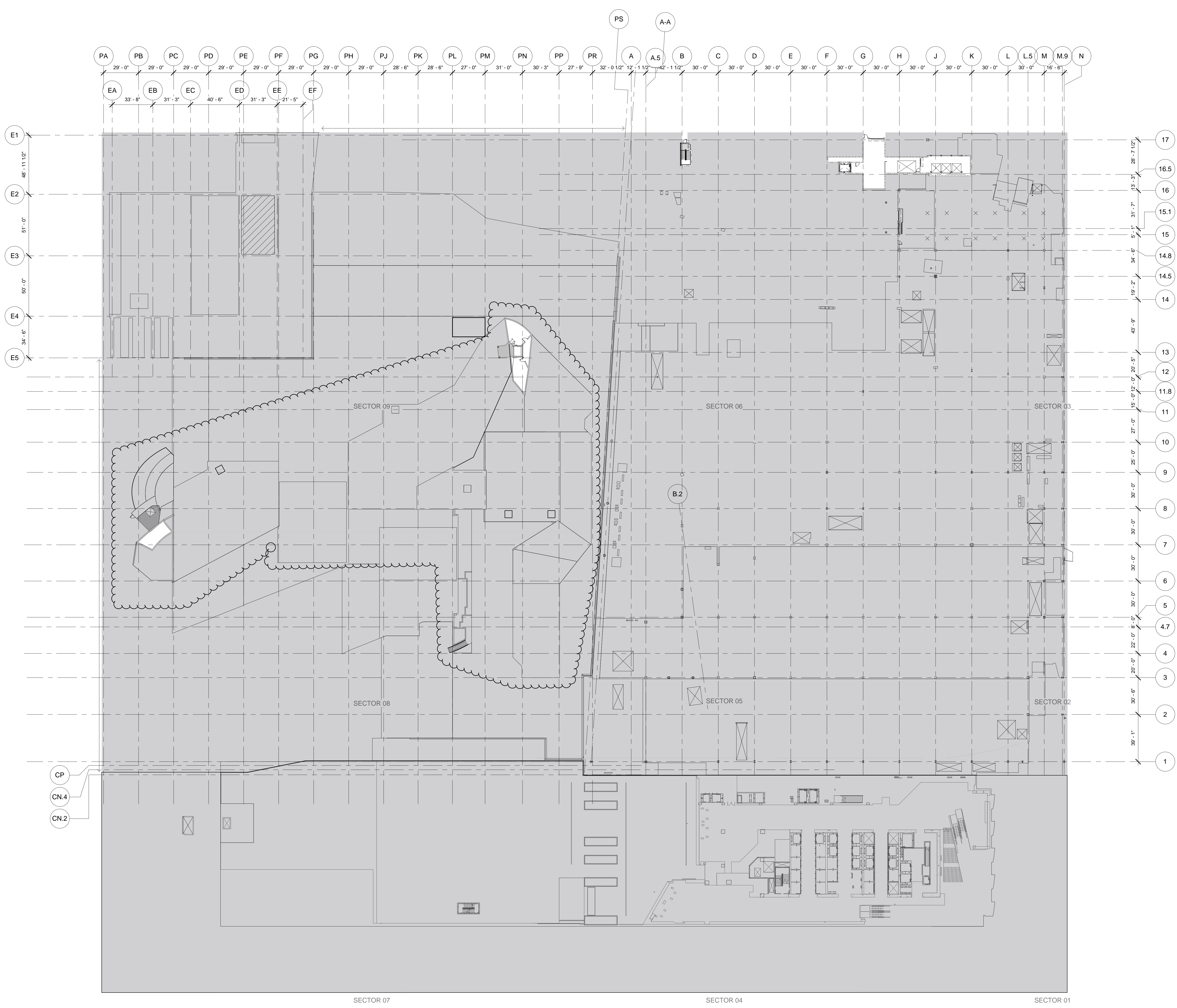
Key Plan



Date: 10/28/2016
Project No: 2198
Sheet No: HYE-PL-Z-010_2016r031
Drawing Title: ZONING FLOOR AREA CALCULATIONS

ZONING FLOOR AREA CALCULATIONS

Drawing Number: B-SCV Drawing Number
Z-010.01
SHEET 002 OF



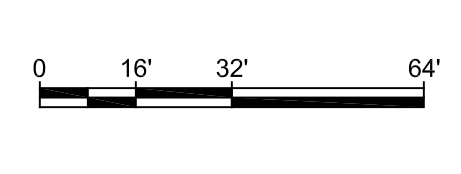
2 UPPER PLATFORM LEVEL OVERALL PLANS
SCALE: 1/32" = 1'-0"

HUDSON YARDS - PLATFORM - 530 WEST 33RD STREET
PROPOSED NEW BUILDING

| USE | GFA | DEDUCTIONS | ZFA |
|-------------------------------|---------|------------|-----|
| GROUND FLOOR | 0 | 0 | 0 |
| CELLAR C | 84,864 | 84,864 | 0 |
| MTA/LIRR TRAINSHED | 280,861 | 280,861 | 0 |
| MTA/LIRR ANCILLARY FACILITIES | 29,688 | 29,688 | 0 |
| TOTALS | 415,140 | 415,140 | 0 |
| TOTAL PROPOSED BUILDING | 415,140 | 415,140 | 0 |

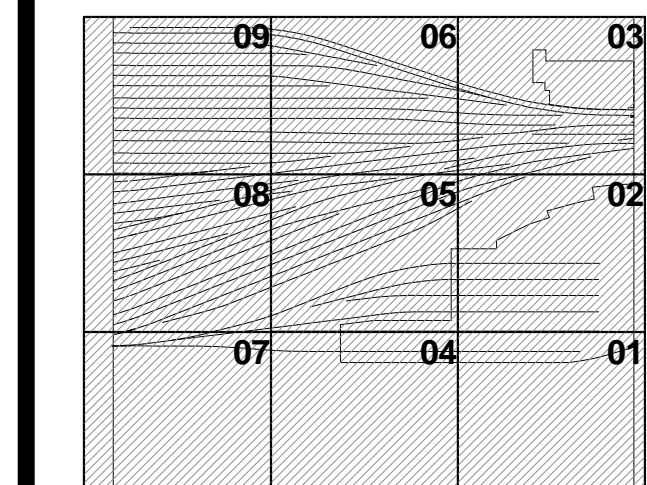
1 FLOOR AREA SCHEDULE
NTS

APPROVED
Under Directive 2 of 2015
10/28/2016
Damian Titus
NYC Development Hub



| | | |
|----|---|------------|
| 11 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 10 | AS1-013 | 6/24/2016 |
| 9 | L.I.R.R. - Final 100% Design Submission | 10/14/2014 |
| 8 | AS1-049 | 10/14/2014 |
| 7 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 6 | Issue to FDNY | 1/13/2014 |
| 5 | Issue to FDNY | 12/12/2013 |
| 4 | L.I.R.R. - Pre-Final 100% | 11/22/2013 |
| 3 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

Rev. Plan



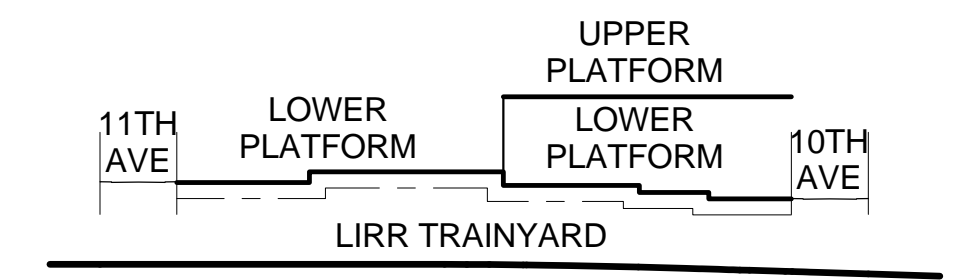
Title Date: 02/15/13
Project No: 219
Drawn By: [Signature]
Sheet Number: [Signature]

HYE-PL-EG-102.00

LIFE SAFETY

Drawing Number: **EG-102.01**

- GENERAL NOTES**
- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER A & RETAIL PODIUM SERVICE P.O.E.s FILED UNDER JOB #121186257 & #140332343
 - HATCHED AREA DENOTES MCE/AC SUBSTATION CONTROL TOWER LAYOUT SHOWN ON EG-810
 - SYMBOL --- DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE NON-LIRR SPACES
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA - PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

5. NOTE
FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL

SYMBOL KEY

| | |
|-----|-------------------|
| --- | 1-HOUR RATED WALL |
| --- | 2-HOUR RATED WALL |
| --- | 3-HOUR RATED WALL |
| --- | TRAVEL DISTANCE |

| | |
|-----|--------------------------------|
| --- | OCCUPANCY LOAD FACTOR (F1*PER) |
| --- | OCCUPANCY LOAD (PERSONS) |

LIRR STAIR NO. 2 - PROPOSED

| PROPOSED | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 44" | 130 |
| DOOR | 33" | 220 |

LIRR STAIR A - PROPOSED

| PROPOSED | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 52" | 130 |
| DOOR | 33" | 220 |

LIRR STAIR D - PROPOSED

| PROPOSED | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 44" | 130 |
| DOOR | 33" | 220 |

AMTRAK EXIT - EXISTING

| EXISTING | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | - | - |
| DOOR | - | - |

LIRR EXIT C - PROPOSED

| PROPOSED | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

LIRR EXIT B - PROPOSED

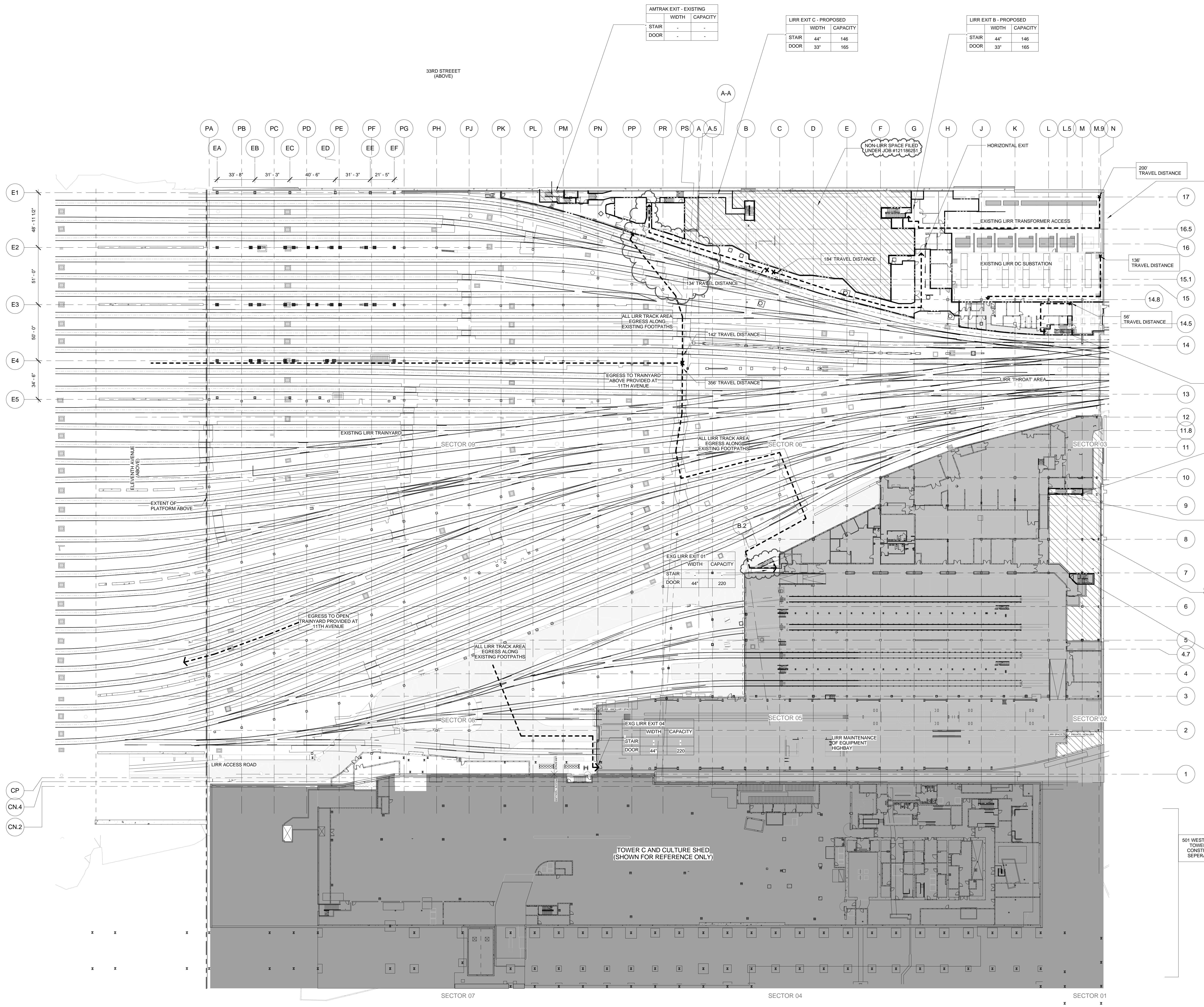
| PROPOSED | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

EXG LIRR EXIT 01

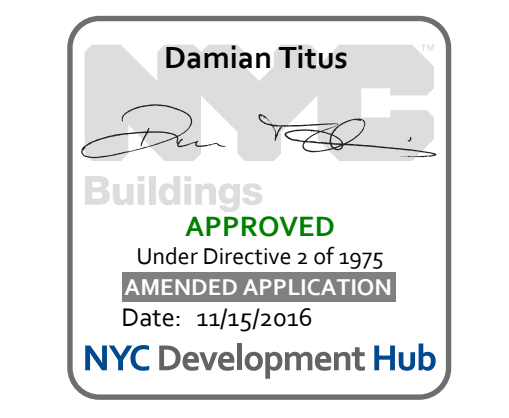
| EXISTING | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 44" | 220 |
| DOOR | 44" | 220 |

EXG LIRR EXIT 04

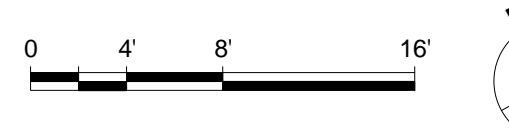
| EXISTING | WIDTH | CAPACITY |
|----------|-------|----------|
| STAIR | 44" | 220 |
| DOOR | 44" | 220 |



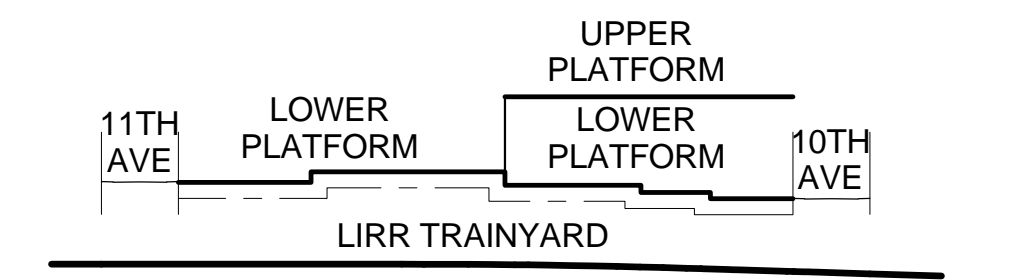
1 TRACK LEVEL OVERALL PLAN
SCALE: 1/32" = 1'-0"



APPROVED
Under Directive 2 of 2015
NYC Development Hub
Date: 1/15/2015



- GENERAL NOTES**
- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER A RETAIL PODIUM SERVICE P.O.E.s FILED UNDER JOB #121186257 & #140332343.
 - HATCHED AREA DENOTES M/E/AC SUBSTATION CONTROL TOWER LAYOUT SHOWN ON EG-810
 - SYMBOL --- DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE NON-LIRR SPACES
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.



SEE A-020 FOR DIAGMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

- NOTE**
- FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL.

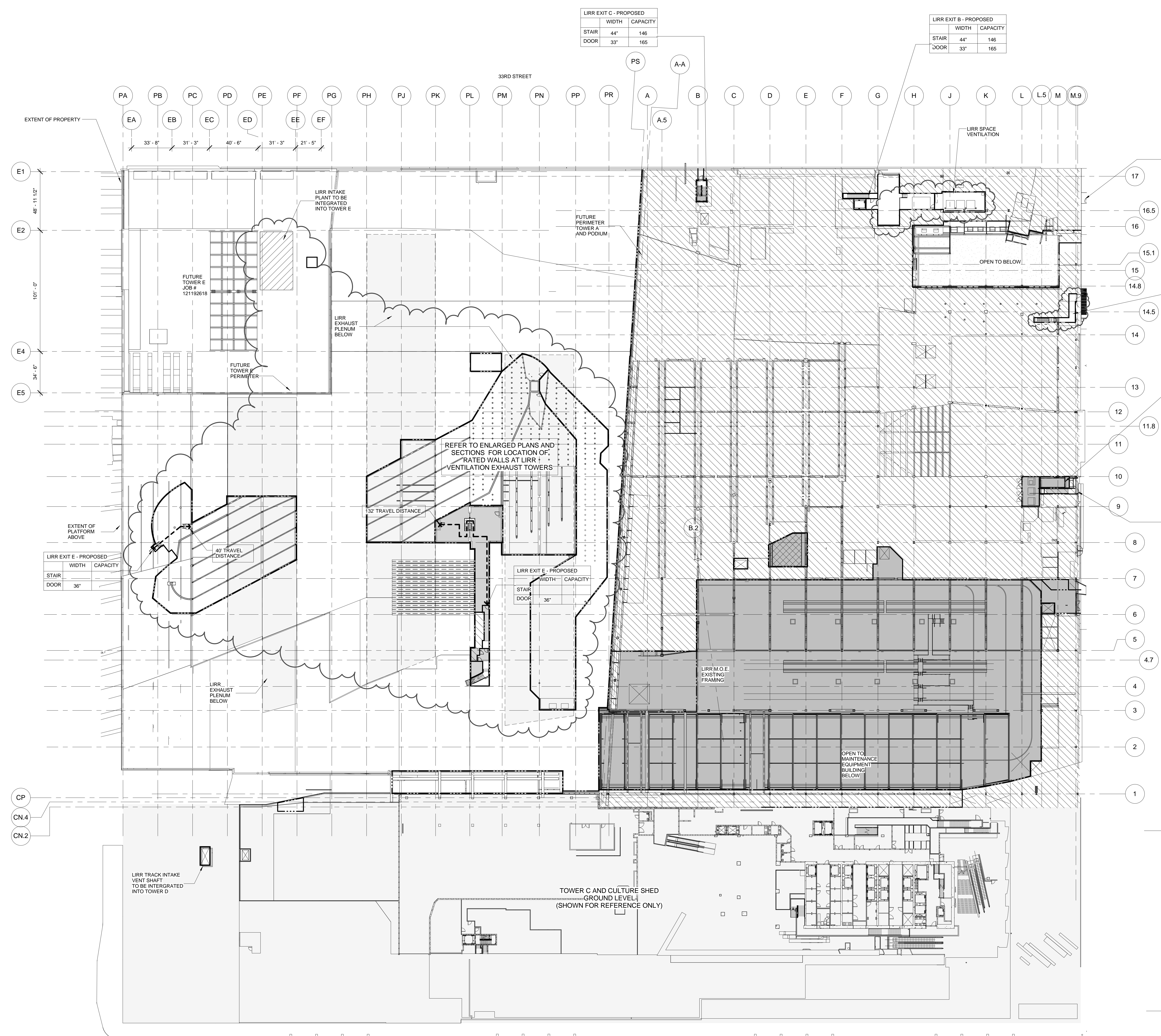
| SYMBOL KEY | |
|------------|--|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |
| | TRAVEL DISTANCE |
| | OCCUPANCY LOAD FACTOR (F ¹ /P ^{ER}) |
| | OCCUPANCY LOAD (PERSONS) |

| LIRR STAIR NO. 2 - EXISTING | |
|-----------------------------|---------|
| STAIR | 39' 130 |
| DOOR | 33' 220 |

| LIRR EXIT A - PROPOSED | |
|------------------------|---------|
| STAIR | 44' 146 |
| DOOR | 33' 165 |

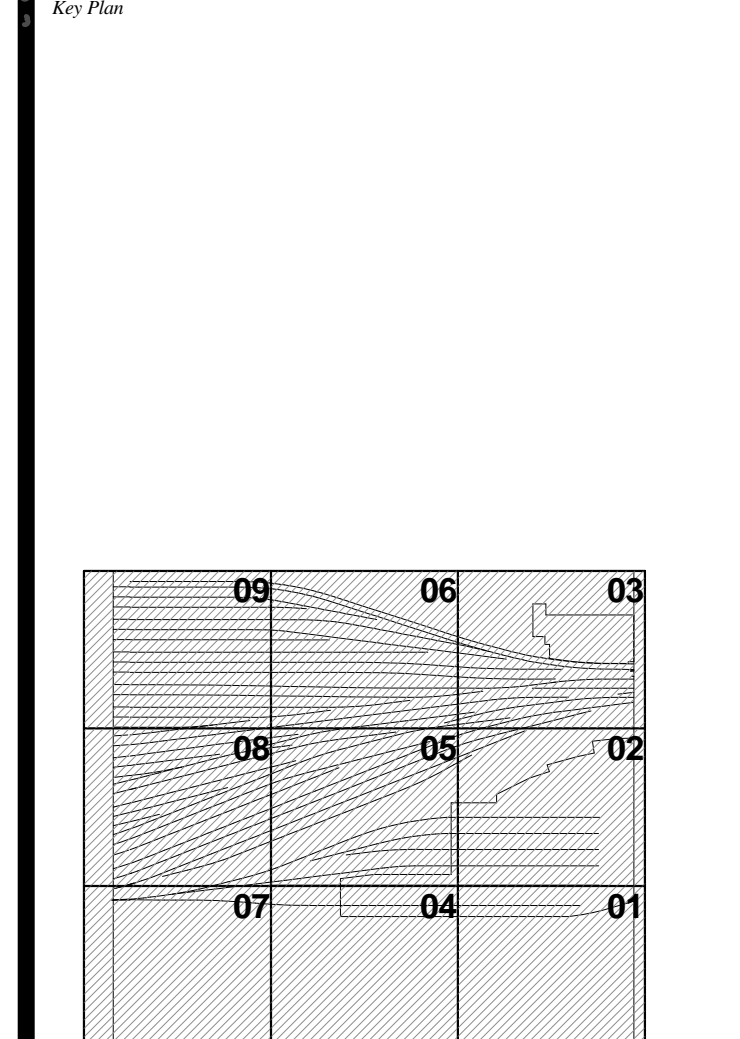
| LIRR EXIT C - PROPOSED | |
|------------------------|---------|
| STAIR | 44' 146 |
| DOOR | 33' 165 |

| LIRR EXIT B - PROPOSED | |
|------------------------|---------|
| STAIR | 44' 146 |
| DOOR | 33' 165 |



1 LOWER PLATFORM LEVEL OVERALL PLAN
SCALE: 1/32" = 1'-0"

| | | |
|----|--|------------|
| 11 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 10 | ASL-013 | 6/24/2016 |
| 9 | L.I.R.R. - Final 100% Design Submission for Record | 10/14/2014 |
| 8 | ASL-009 | 10/14/2014 |
| 7 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 6 | Issue to FDNY | 1/13/2014 |
| 5 | Issue to FDNY | 12/12/2013 |
| 4 | L.I.R.R. - Pre-Final 100% M/E/AC PLATFORM SUBMISSION | 11/22/2013 |
| 3 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

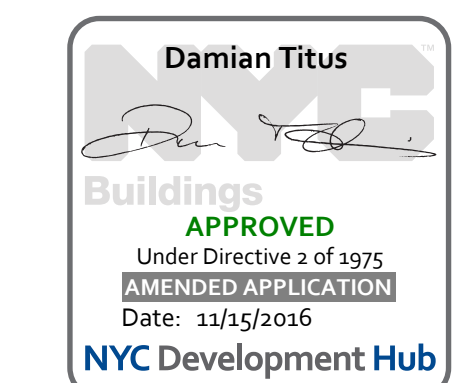


Date: 02/15/13
Project No: 219
Owner: AMTRAK
Sheet Number: 102

HYE-PL-EG-103.00

LIFE SAFETY LOWER PLATFORM LEVEL OVERALL PLAN

Drawing Title
EG-103.01



HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY

Client:
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager:
Tutor Perini Building Corporation
340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

Architect:
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer:
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection:
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation:
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation:
ALECON
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

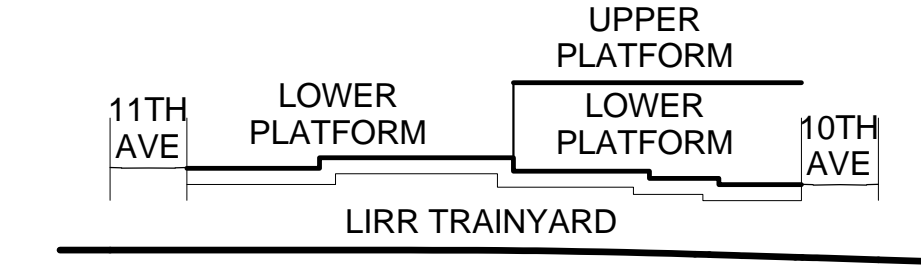
GENERAL NOTES

- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR POWER AND RETAIL PODIUM SERVICE P.O.E.s FILED UNDER JOB #140332343
- HATCHED AREA DENOTES LIRR PLATFORM SCOPE NOT INCLUDED IN THE SCOPE OF MOE/AC/ SUBSTATION/CONTROL TOWER SUBMISSION
- SYMBOL \times DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE/NON-LIRR SPACES
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.

SYMBOL KEY

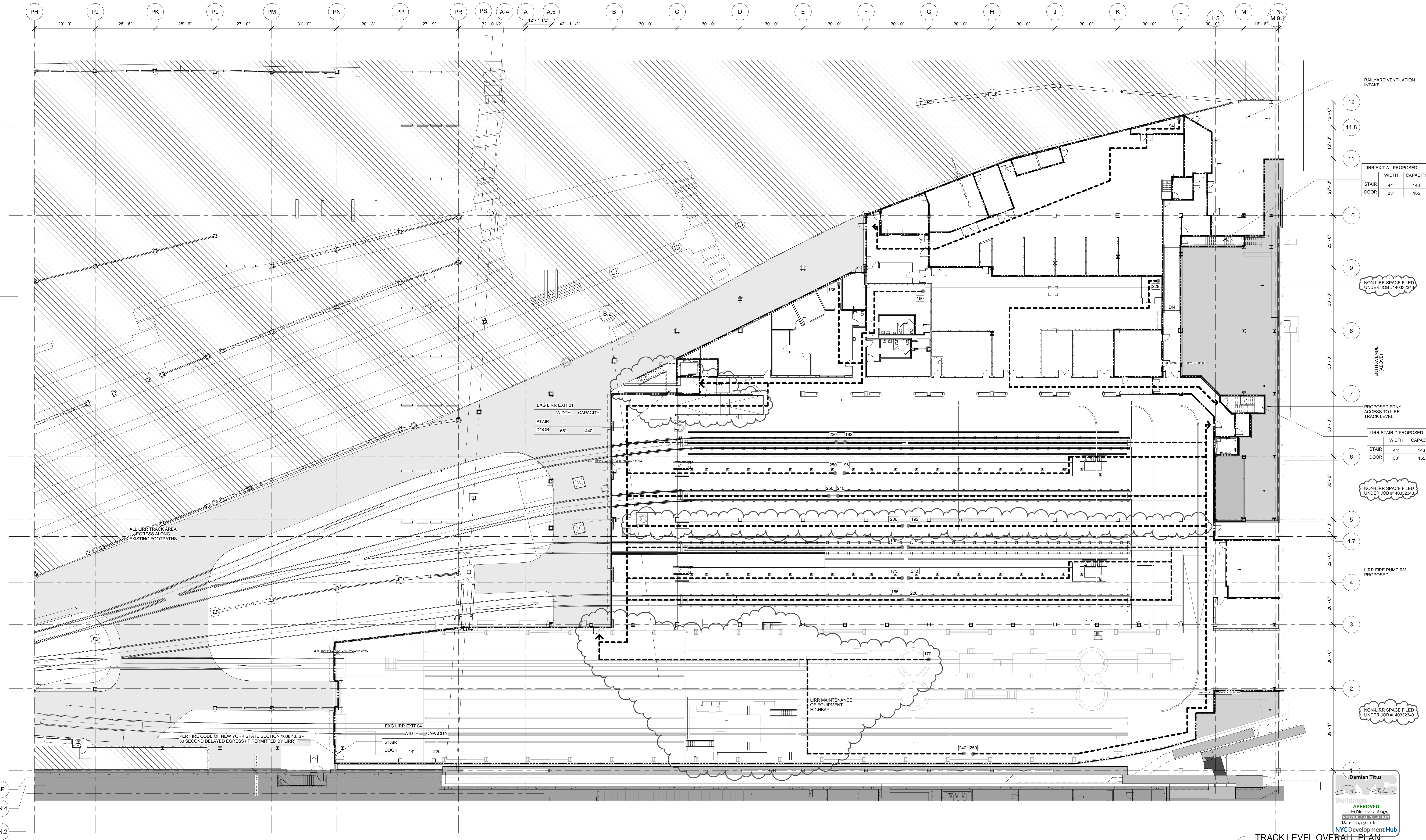
| | |
|--|-------------------|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |
| | TRAVEL DISTANCE |

| | | |
|--|-------------------------|--|
| | OCCUPANCY | OCCUPANCY LOAD FACTOR (FT ² /PER) |
| | AREA (FT ²) | OCCUPANCY LOAD (PERSONS) |



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

- NOTE
FOR STAIR LAYOUT INCLUDING PHOTO LUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL



LIRR EXIT A - PROPOSED

| | WIDTH | CAPACITY |
|-------|-------|----------|
| STAIR | 44' | 146 |
| DOOR | 33' | 165 |

EXG LIRR EXIT 01

| | WIDTH | CAPACITY |
|-------|-------|----------|
| STAIR | 66' | 440 |
| DOOR | 66' | 440 |

EXG LIRR EXIT 04

| | WIDTH | CAPACITY |
|-------|-------|----------|
| STAIR | 44' | 220 |
| DOOR | 44' | 220 |

LIRR STAIR D PROPOSED

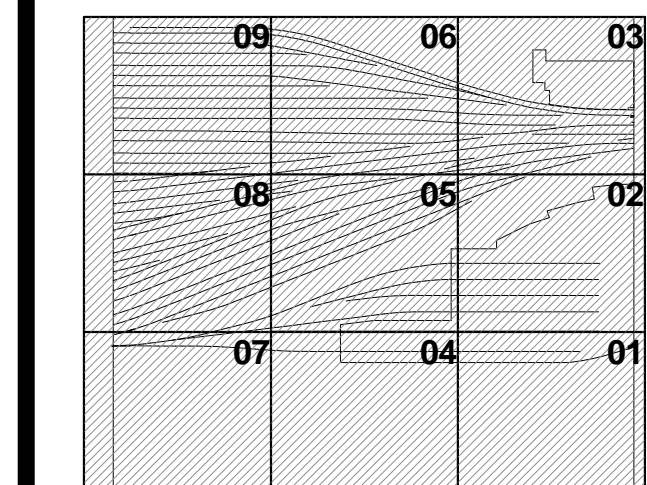
| | WIDTH | CAPACITY |
|-------|-------|----------|
| STAIR | 44' | 146 |
| DOOR | 33' | 165 |

NON-LIRR SPACE FILED UNDER JOB #140332343

LIRR FIRE PUMP RM PROPOSED

NON-LIRR SPACE FILED UNDER JOB #140332343

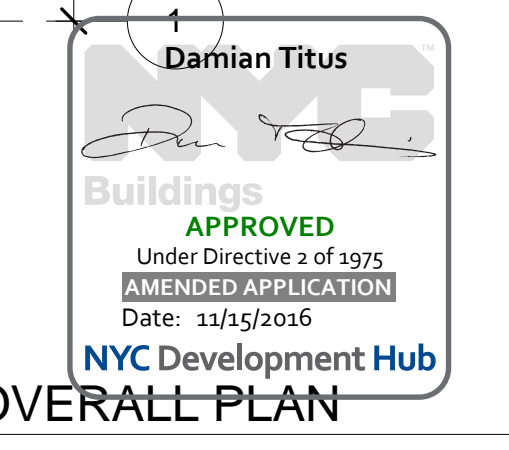
- 13. DOB POST-APPROVAL AMENDMENT 10/28/2016
- 14. ASI-M-045 7/7/2016
- 15. L.I.R.R. - M.o.E. Final 100% Design 5/9/2015
- 16. ASI-M-018 Submission for Records 3/23/2015
- 17. ASI-M-005 9/12/2014
- 18. L.I.R.R. - M.o.E. Permit Submission 8/01/2014
- 19. L.I.R.R. - M.o.E. Final 100% Design 3/17/2014
- 20. Issue to FDNY 1/13/2014
- 21. Issue to FDNY 12/12/2013
- 22. L.I.R.R. - Pre-Final 100% M.o.E. PLATFORM SUBMISSION 11/22/2013
- 23. L.I.R.R. - 90% M.o.E. SUBMISSION 10/04/2013
- 24. L.I.R.R. - 60% M.o.E. SUBMISSION 7/12/2013
- 25. NYC DOB Filing 6/17/2013
- 26. L.I.R.R. - 30% M.o.E. SUBMISSION 6/14/2013



Date: 06/14/13
Project No: 218
Owner: NYCT
Drawn By: [Signature]
Scale: 1/8" = 1'-0"

HYE - PL - EG-800.00
MoE/CT/AC SUBSTATION TRACK LEVEL LIFE SAFETY PLAN

Project Number: **EG-800.01**



Damian Titus
APPROVED
Under Directive of 2005
RENEWED/RECALCULATED
Date: 11/5/2015
NYC Development Hub

1 TRACK LEVEL OVERALL PLAN
SCALE: 1/16" = 1'-0"

HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY

Client:
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager:
Tutor Perini Building Corporation
340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

Architect:
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer:
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

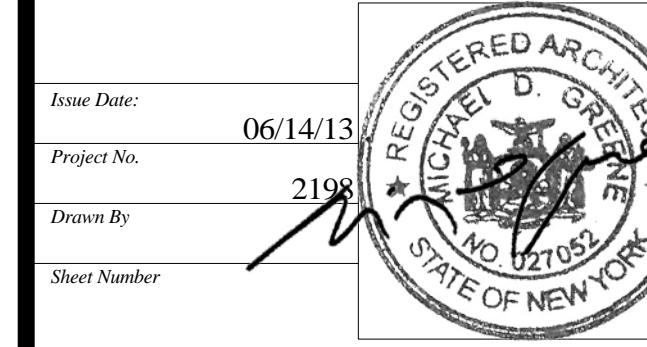
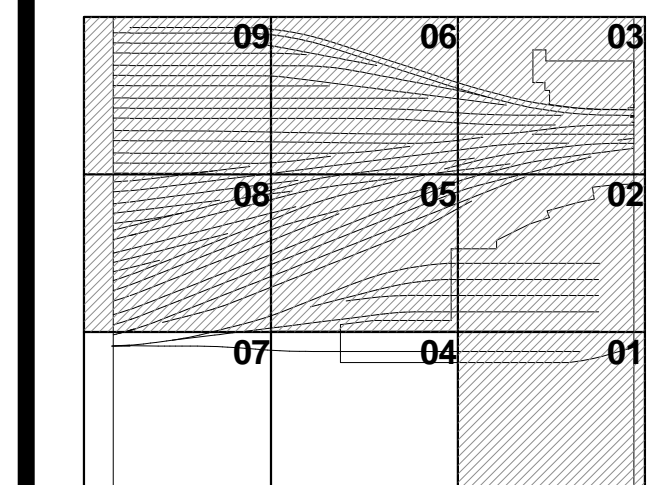
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

- 13 DOB POST-APPROVAL AMENDMENT 10/28/2016
- 12 AS-M-045 7/7/2016
- 11 L.I.R.R. - M.o.E. Final 100% Design 5/9/2015
- 10 AS-M-018 Submission for Records 3/23/2015
- 9 AS-M-005 9/12/2014
- 8 L.I.R.R. - M.o.E. Permit Submission 8/01/2014
- 7 DOB SUBMISSION UPDATE 3/17/2014
- 6 Issue to FDNY 1/13/2014
- 5 Issue to FDNY 12/12/2013
- 4 L.I.R.R. - Pre-Final 100% 11/22/2013
- 3 M.E. PLATFORM SUBMISSION 10/04/2013
- 2 L.I.R.R. - 90% M.E. SUBMISSION 7/12/2013
- 1 NYC DOB Filing 6/17/2013
- 0 L.I.R.R. - 30% M.E. SUBMISSION 6/14/2013

Rev. Plot



Project No: 2198
Date: 06/14/13
Drawing Title: HYE-PL-EG-810.00

**MoE/CT/AC SUBSTATION
CNTRL. TOWER LEVEL
LIFE SAFETY PLAN**

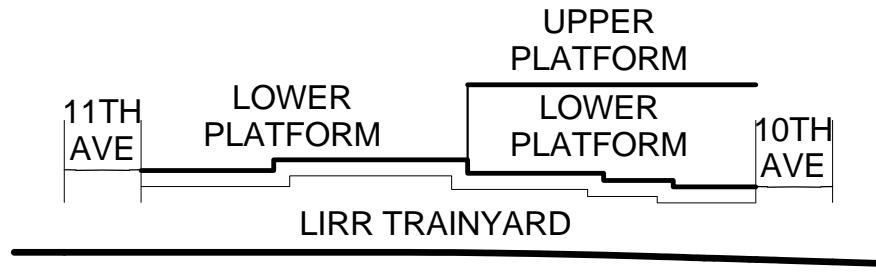
Drawing No: **EG-810.01**

GENERAL NOTES

1. HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR TOWER AND RETAIL PODIUM SERVICE P.O.E.s (FILED UNDER JOB #140332343)
2. HATCHED AREA DENOTES LIRR PLATFORM SCOPE NOT INCLUDED IN THE SCOPE OF MOE/AC/ SUBSTATION/CONTROL TOWER SUBMISSION
3. SYMBOL DENOTES SEPARATION BETWEEN LIRR TRACK AREA, LIRR SUPPORT SPACES AND PRIVATE/NON-LIRR SPACES
4. PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.

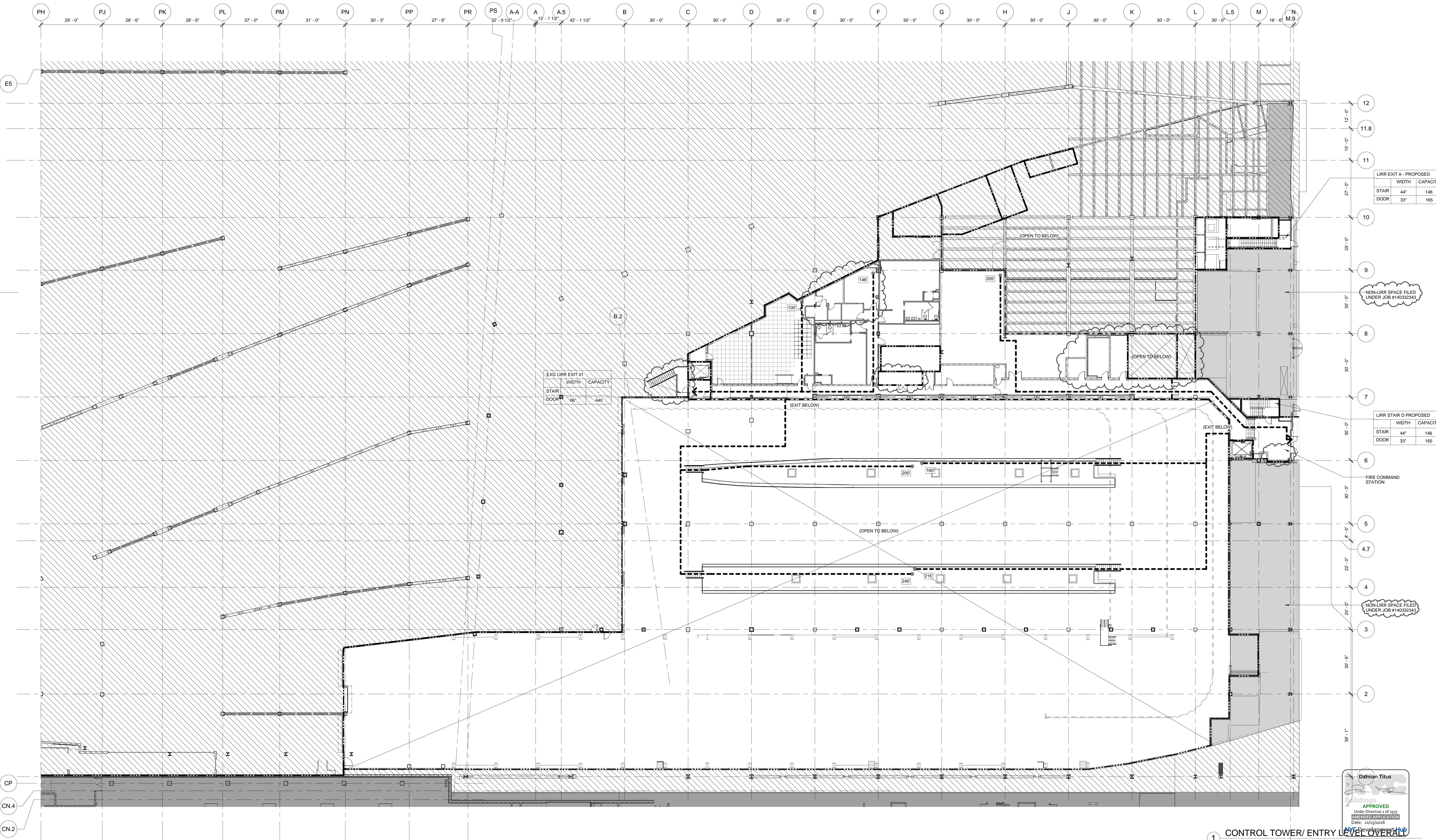
| SYMBOL KEY | |
|------------|-------------------|
| | 1-HOUR RATED WALL |
| | 2-HOUR RATED WALL |
| | 3-HOUR RATED WALL |
| | TRAVEL DISTANCE |

| OCCUPANCY | OCCUPANCY LOAD FACTOR (FT ² /PER) |
|-------------------------|--|
| AREA (FT ²) | OCCUPANCY LOAD (PERSONS) |



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

5. NOTE
FOR STAIR LAYOUT INCLUDING PHOTOLUMINESCENT EXIT PATH MARKINGS REFER TO A4-SERIES PLANS & SECTIONS FOR DETAIL



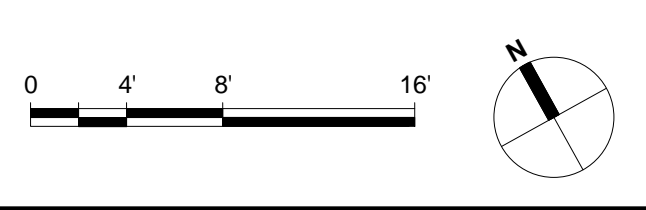
| EXG LIRR EXIT D1 | WIDTH | CAPACITY |
|------------------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

| LIRR EXIT A - PROPOSED | WIDTH | CAPACITY |
|------------------------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

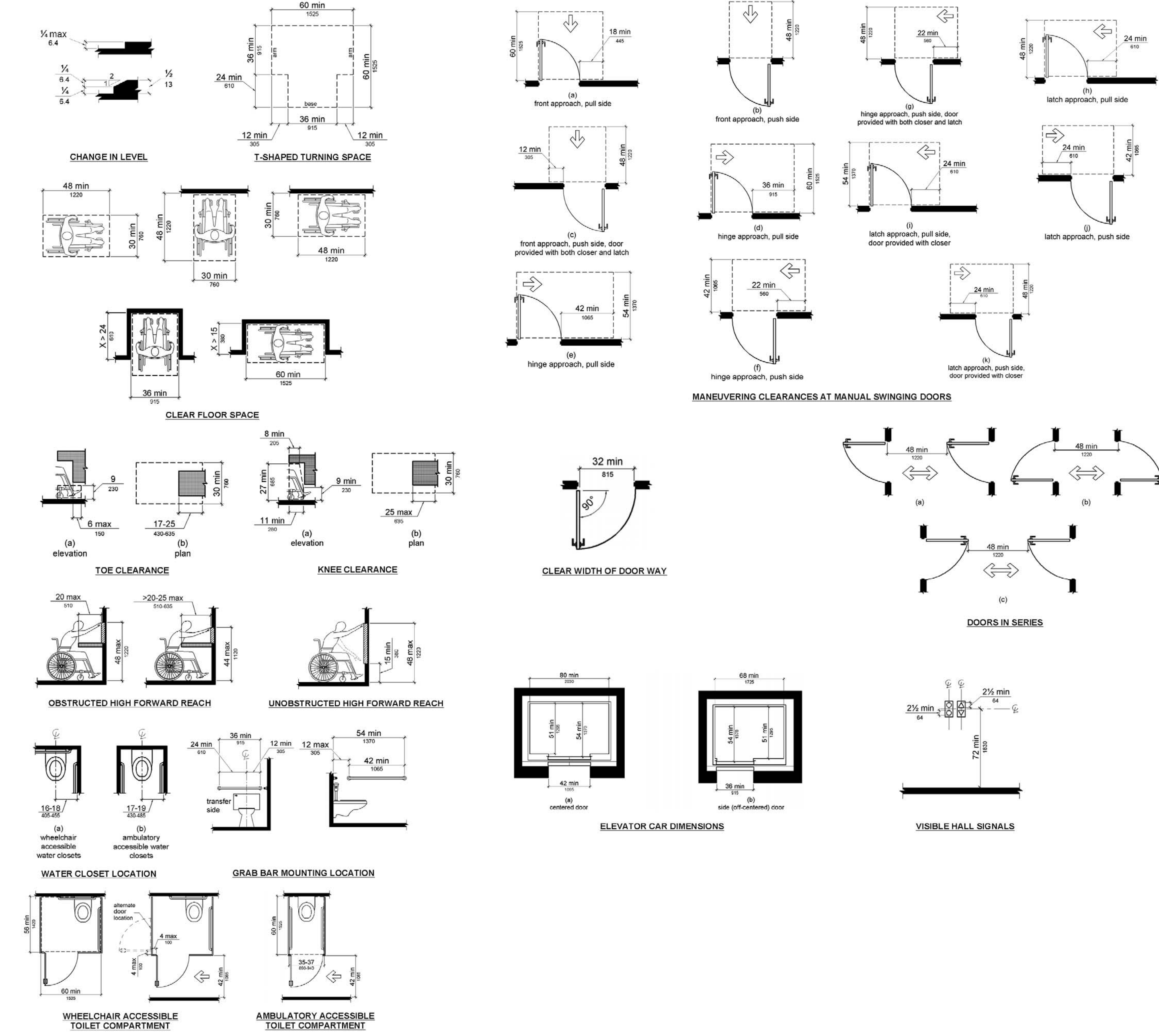
| LIRR STAIR D PROPOSED | WIDTH | CAPACITY |
|-----------------------|-------|----------|
| STAIR | 44" | 146 |
| DOOR | 33" | 165 |

FIRE COMMAND STATION

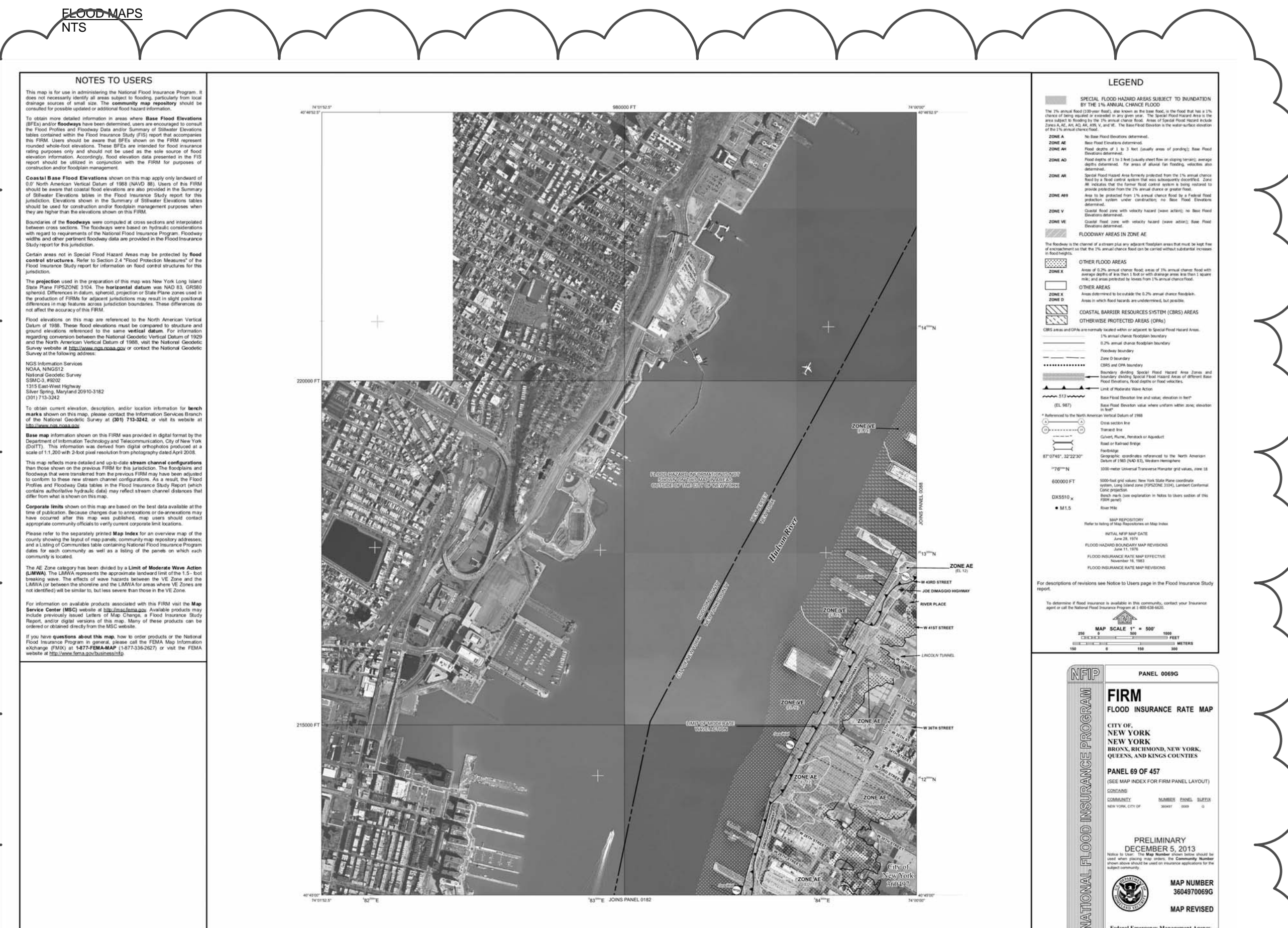
1 CONTROL TOWER/ ENTRY LEVEL OVERALL
SCALE: 1/16" = 1'-0"



APPLICABLE ADA DIAGRAMS: PROPOSED WORK TO APPLY WITH APPLICABLE REQUIREMENTS OF ANSIS 117.1.2003 AND THE AMERICANS WITH DISABILITIES ACT (ADA), AS PER DIAGRAMS BELOW.



SPECIAL FLOOD HAZARD AREAS: AS PER ILL 5813. PROPOSED WORK IS OUTSIDE OF SPECIAL FLOOD AREAS. TFPN 104 THEREFORE NOT APPLICABLE. FEMA MAP SHOWN BELOW.



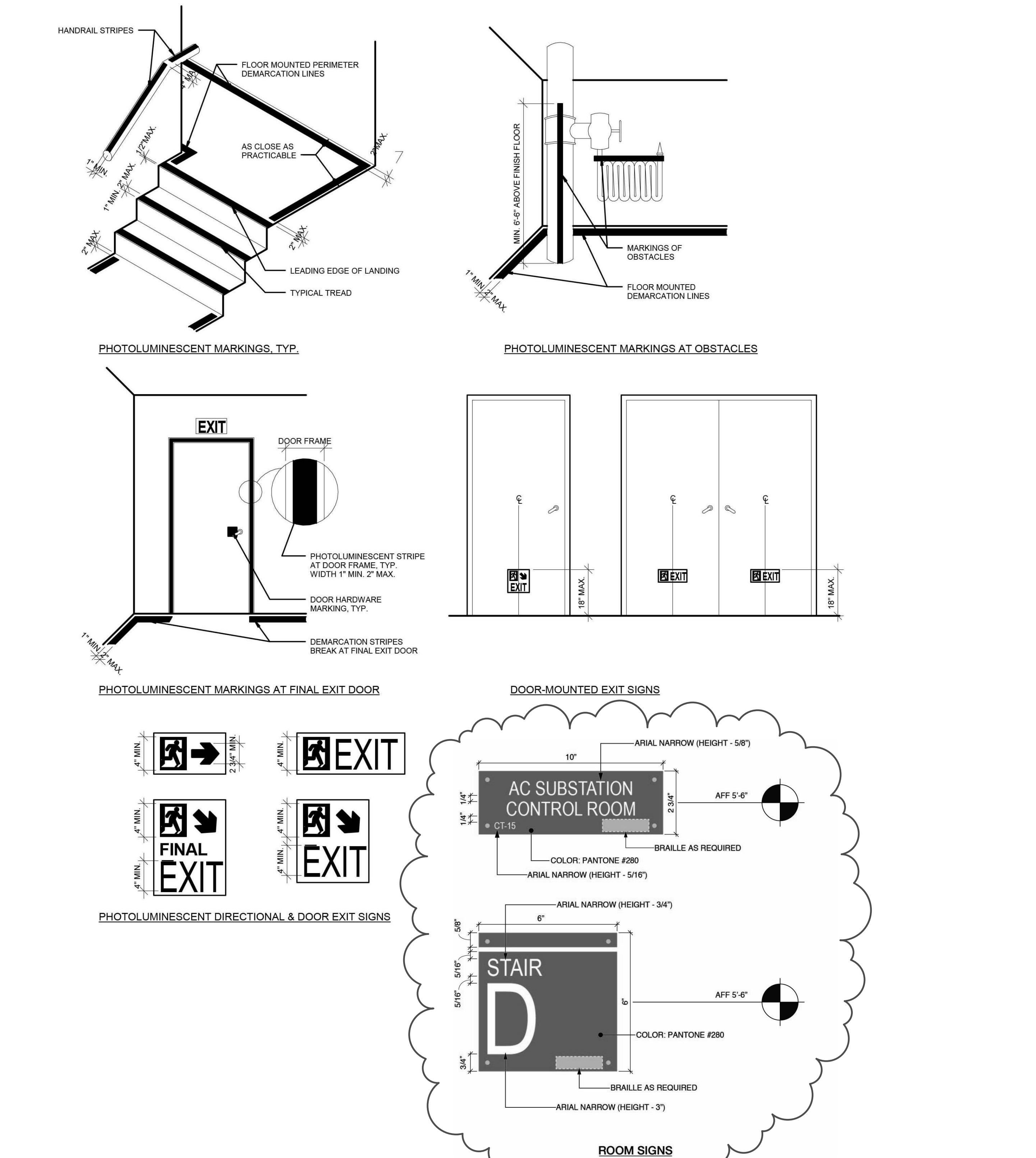
PLATFORM AND MOE SCOPE FOR NON-LIRR OCCUPIED AREAS:

NYC DEPARTMENT OF BUILDINGS NOTES

- NOTIFICATION OF THE DEPARTMENT:** NOTIFICATION TO BE PROVIDED TO DEPARTMENT OF BUILDINGS 24-HOURS PRIOR TO COMMENCEMENT OF EARTHWORK, AS PER BC 3304.3.1.
- NOTIFICATION OF ADJACENT BUILDING OWNERS:** WRITTEN NOTIFICATION TO BE PROVIDED TO ADJACENT BUILDING OWNERS NOT LESS THAN 10 DAYS PRIOR TO COMMENCEMENT OF EXCAVATION WORK, AS PER BC 3304.3.2.
- DUTIES AND POWERS OF COMMISSIONER OF BUILDINGS:** AUTHORITY TO RENDER INTERPRETATIONS AND TO ADOPT RULES ESTABLISHING POLICIES AND PROCEDURES HELD BY THE COMMISSIONER OF BUILDINGS, AS PER BC 104.
- RODENT PROOFING:** PROPOSED WORK TO BE COMPLIANT WITH RODENT PROOFING REQUIREMENTS, AS PER BC APPENDIX F 101.
- HIGH-RISE BUILDINGS:** DESIGN OF ELEVATORS TO BE COMPLIANT WITH ACCESSIBLE MEANS OF EGRESS REQUIREMENTS, AS PER BC 1907.2.1 AND BC 1109.6.
- STAIRWAY DOOR OPERATION:** STAIRWAY DOOR OPERATION AND STAIRWAY COMMUNICATIONS SYSTEM TO BE PROVIDED, AS PER BC 403.12 AND BC 403.12.1.
- SMOKE PROOF EXIT ENCLOSURES:** DESIGN OF ALL EXIT STAIRS TO BE COMPLIANT WITH BC 403.13.
- IMPACT RESISTANT STAIR ENCLOSURES:** MATERIALS, ASSEMBLY, AND INSTALLATION OF ALL EXIT STAIRS TO BE COMPLIANT WITH BC 403.15. SEE PARTITION SCHEDULE FOR FURTHER INFORMATION.
- EXIT PATH MARKINGS:** PHOTOLUMINESCENT EXIT PATH MARKINGS TO BE PROVIDED AT ALL EXIT DOORS, EXIT PASSAGEWAYS, AND EXIT STAIRS, AS PER BC 403.16 AND BC 1028.11.
- STRUCTURAL DESIGN:** BUILDING, STRUCTURES, AND PARTS THEREOF ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH STRENGTH DESIGN, LOAD AND RESISTANCE FACTOR DESIGN, ALLOWABLE STRESS DESIGN, EMPIRICAL DESIGN, OR CONVENTIONAL CONSTRUCTION METHODS, AS PER REQUIREMENTS OF 2008 NYC BUILDING CODE, BC 1604. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.
- MECHANICAL EQUIPMENT AND BUILDING SYSTEMS:** MECHANICAL EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE 2008 NYC MECHANICAL CODE AND 2008 NYC FUEL GAS CODE, AS PER BC 2801.1. REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
- PLUMBING SYSTEMS:** PLUMBING SYSTEM AND EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE 2008 NYC BUILDING CODE, AS PER BC 2901.1. REFER TO PLUMBING DRAWINGS FOR FURTHER INFORMATION.
- SOILS AND FOUNDATIONS:** BUILDING AND FOUNDATION SYSTEM DESIGNED AS PER REQUIREMENTS OF BC 1801.
- FOOTINGS AND FOUNDATIONS:** FOOTINGS AND FOUNDATIONS DESIGNED AS PER REQUIREMENTS OF BC 1805.
- PLUMBING SYSTEMS:** PLUMBING SYSTEMS DESIGNED AS PER REQUIREMENTS OF BC 2901 AND BC 401.
- SEISMIC DESIGN PROVISIONS:** CONCRETE COMPONENTS THAT RESIST SEISMIC FORCES DESIGNED AS PER REQUIREMENTS OF BC 1910 AND LL 1795.
- SEPARATION OF USE:** PROJECT IS DESIGNED IN ACCORDANCE WITH THE NON-SEPARATED MIX USE REQUIREMENTS OF BC 508.3.2.
- TRANSIT AUTHORITY APPROVAL:** PROJECT IS WITHIN 200' OF TRANSIT AUTHORITY.
- APPROVAL BY THE NEW YORK CITY BUILDING DEPARTMENT:** SHALL NOT RELIEVE OR EXEMPT THE DESIGN FROM ANY REQUIREMENTS OF THE RELEVANT TRANSIT AUTHORITIES.
- LIBRARY/RECORD:** PER NFA 130, TRANSIT & NON TRANSIT OCCUPANCIES ARE TO BE SEPARATED BY 3 HOUR FIRE RATED WALL & ROOF CONSTRUCTION. 3 HOUR FIRE RESISTANCE CONSTRUCTION IS REQUIRED TO SUPPORT THE STRUCTURAL PLATFORM.

APPLICABLE ADA DIAGRAMS: PROPOSED WORK TO APPLY WITH APPLICABLE REQUIREMENTS OF ANSIS 117.1.2003 AND THE AMERICANS WITH DISABILITIES ACT (ADA), AS PER DIAGRAMS BELOW.

HISTORIC LANDMARK STRUCTURES: PROPOSED WORK IS NOT WITHIN 80' OF ANY ADJACENT HISTORIC LANDMARK STRUCTURES. TFPN 1086 THEREFORE NOT APPLICABLE. LANDMARK MAP SHOWN BELOW.



| CLASSIFICATION OF OPENING PROTECTED | FIRE SEPARATION DISTANCE (FEET) (TABLE 704.8) | | | | |
|-------------------------------------|---|---------------------|----------------------|-----------------------|-----------------------|
| | 0-3 | GREATER THAN 3 TO 5 | GREATER THAN 5 TO 10 | GREATER THAN 10 TO 15 | GREATER THAN 15 TO 20 |
| NOT PERMITTED | 15% | 25% | 45% | 75% | NO LIMIT |

| ASSOCIATED APPLICATIONS | DATE FILED | APP # |
|---|------------|-----------|
| SITE CONNECTION PROPOSAL DEMOLITION APPLICATION BUILDER'S PAVEMENT PLAN APPLICATION SPRINKLER APPLICATION, 803 BC STANDPIPE APPLICATION, 805 BC FIRE ALARM APPLICATION SITE SAFETY PLAN APPLICATION - ARTICLE 110 FIRE PROTECTION PLAN APPLICATION - ARTICLE 109 EMERGENCY POWER SYSTEMS (GENERATION) | 08/26/2013 | 121333011 |

LIFE SAFETY NOTES
CODE SUMMARY
 APPLICABLE CODES FOR ALL NON-LIRR SPACES
 2008 NEW YORK CITY BUILDING CODE
 2008 NEW YORK CITY MECHANICAL CODE
 2008 NEW YORK CITY FIRE CODE
 2008 NEW YORK CITY PLUMBING CODE
 2011 NEW YORK ELECTRICAL CODE (BASED ON 2008 NEC)
 AMERICANS WITH DISABILITIES ACT (ADA)
 2003 IGC (ANSI 111)
 OCCUPANCY GROUPS
 U - MISCELLANEOUS
 THE BUILDING WILL BE CONSTRUCTED USING THE NONSEPARATED MIXED USE PROVISIONS OUTLINED IN SECTIONS 508.3.2 OF THE BUILDING CODE
TABLE 803 CONSTRUCTION CLASSIFICATION
 CONSTRUCTION TYPE: TYPE IA
 AUTOMATIC SPRINKLERS: YES
 IN ACCORDANCE WITH NONSEPARATED MIXED USE PROVISIONS OF THE BUILDING CODE, THE HEIGHT AND AREA OF THE BUILDING MUST COMPLY WITH THE MOST RESTRICTIVE HEIGHT AND AREA REQUIREMENTS FOR THE OCCUPANCY CLASSIFICATIONS OF THE BUILDING AND THE CONSTRUCTION TYPE.
 ALLOWABLE BUILDING AREA: UNLIMITED
 ALLOWABLE BUILDING HEIGHT: UNLIMITED

| CLASSIFICATION OF OPENING PROTECTED | FIRE SEPARATION DISTANCE (FEET) (TABLE 704.8) | | | | |
|-------------------------------------|---|---------------------|----------------------|-----------------------|-----------------------|
| | 0-3 | GREATER THAN 3 TO 5 | GREATER THAN 5 TO 10 | GREATER THAN 10 TO 15 | GREATER THAN 15 TO 20 |
| NOT PERMITTED | 15% | 25% | 45% | 75% | NO LIMIT |

1. THE MAXIMUM ALLOWABLE OPENING AREA OF UNPROTECTED OPENINGS IS EQUAL TO THAT PERMITTED FOR PROTECTED OPENINGS IN FULLY SPRINKLERED BUILDINGS.
 2. UNLIMITED UNPROTECTED OPENINGS ARE PERMITTED WHERE EXTERIOR BEARING WALLS, EXTERIOR NON BEARING WALLS, AND EXTERIOR STRUCTURAL FRAME ARE NOT REQUIRED TO HAVE A FIRE RESISTANCE RATING.

INTERIOR FINISH
 ALL WALL AND CEILING INTERIOR FINISH MATERIALS MUST BE CLASSIFIED IN ACCORDANCE WITH ASTM-E84 TEST FOR SURFACE BURNING CHARACTERISTICS OF CONSTRUCTION MATERIALS AS FOLLOWS (803.1):
 CLASS A 0-25 FLAMESPREAD, MAXIMUM SMOKE 450
 CLASS B 25-75 FLAMESPREAD, MAXIMUM SMOKE 450
 CLASS C 75-200 FLAMESPREAD, MAXIMUM SMOKE 450
 THE MAXIMUM CLASS INTERIOR FINISH MATERIAL PERMITTED FOR USE ON WALLS AND CEILINGS IN THE FULLY SPRINKLERED BUILDING MUST BE LIMITED AS FOLLOWS:

| USE | EXITS | EXIT ACCESS | ROOMS AND SPACES |
|----------|-------|-------------|------------------|
| S | B | C | C |
| A-2, A-3 | B | B | C' |
| B, M | B | B | B |

* LOBBY AREAS IN A-2, A-3 OCCUPANCIES MUST NOT BE LESS THAN CLASS B

| MEANS OF EGRESS | |
|--|----------------------|
| USE | OCCUPANT LOAD FACTOR |
| OFFICES | 100 GROSS |
| ASSEMBLY UNCONCENTRATED (TABLES & CHAIRS), DINING STORAGE AND MECHANICAL EQUIPMENT ROOMS | 15 NET 300 GROSS |

| EXIT CAPACITY (TABLE 1005.1) | |
|------------------------------|----------------------|
| EXIT CAPACITIES | |
| HORIZONTAL INCHES/OCC | VERTICAL INCHES/O CC |
| 0.2 | 0.3 |

EXIT DOORS
 ALL EXIT DOORS MUST SWING IN THE DIRECTION OF TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE

HUDSON YARDS - PLATFORM + MOE REBUILD

Address:
 530 WEST 33RD STREET
 NEW YORK, NY

Client
 Related Companies
 60 Columbus Circle
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 TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
 320 Park Avenue, 17th Floor
 New York, NY 10022
 TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
 Tuzer Perini Building Corporation
 340 West 31st Street, Suite 1510
 New York, NY 10001
 TEL: 646.569.4200

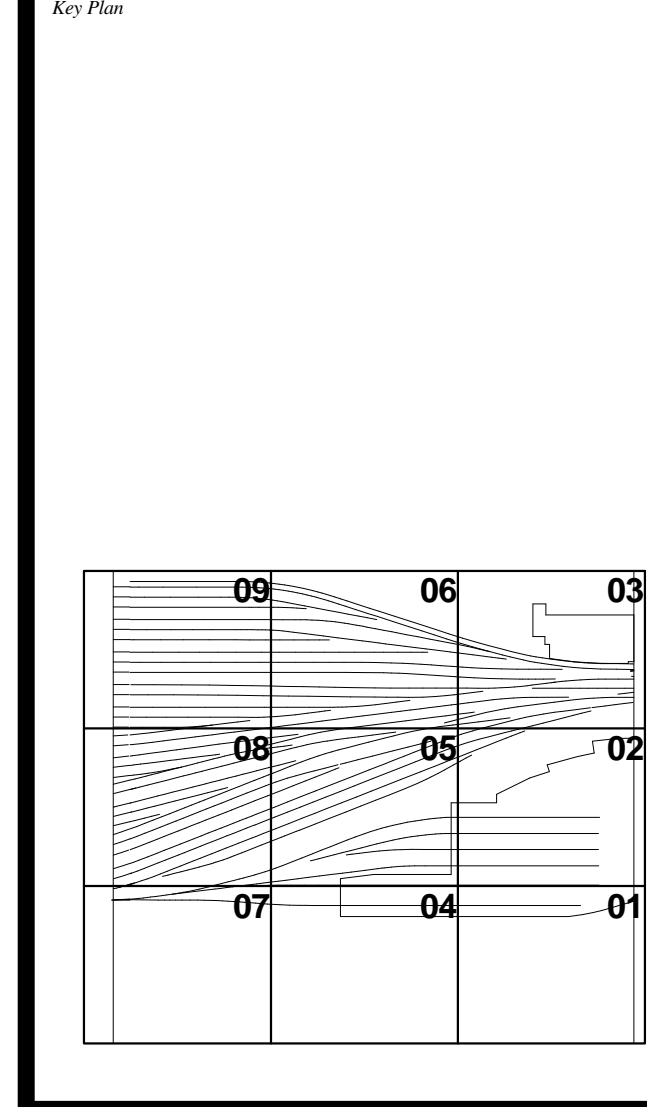
Architect
 Robin Pedersen Fox Associates
 Architects & Planning Consultants
 11 West 42nd Street
 New York, New York 10036
 TEL: 212.977.6500 FAX: 212.956.2526
 Structural Engineer
 Thornton Tomasetti, Inc.
 51 Madison Avenue
 New York, NY 10010
 TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
 TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
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 New York, NY 10005
 212.896.3000

LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9300 FAX: 212.682.6172

| NO. | DESCRIPTION | DATE |
|-----|--|------------|
| 17 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 16 | AS-M-045 | 7/7/2016 |
| 15 | AS-10123 | 6/24/2016 |
| 14 | AS-M-026 | 7/07/2015 |
| 13 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 12 | L.I.R.R. - M.o.E. Final 100% Design Submission for Records | 5/05/2015 |
| 11 | AS-M-018 | 3/23/2015 |
| 10 | AS-M-011 | 11/11/2014 |
| 9 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 8 | AS-099 | 10/14/2014 |
| 7 | L.I.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 6 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 5 | L.I.R.R. - Pre-Final 100% M.o.E. SUBMISSION | 5/2/2014 |
| 4 | DOB SUBMISSION | 11/22/2013 |
| 3 | L.I.R.R. - Pre-Final 100% M.o.E. PLATFORM SUBMISSION | 10/18/2013 |
| 2 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 1 | NYC DOOR Filing | 6/17/2013 |
| | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| | As - Architect | 0 |
| | As - Planner | 0 |



Date: 2/15/2013
 Project No: 219
 Drawn By: [Signature]
 Title: [Signature]
 HYE-MOE-A-002.00
 HYE-PL-A-002.00

BUILDING DEPARTMENT NOTES & FEMA MAP

Drawn By: [Signature]
 A-002.01

**HUDSON YARDS -
PLATFORM +
MOE REBUILD**

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Oxford Properties Group
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TEL: 212.986.7514 FAX: 212.986.7510

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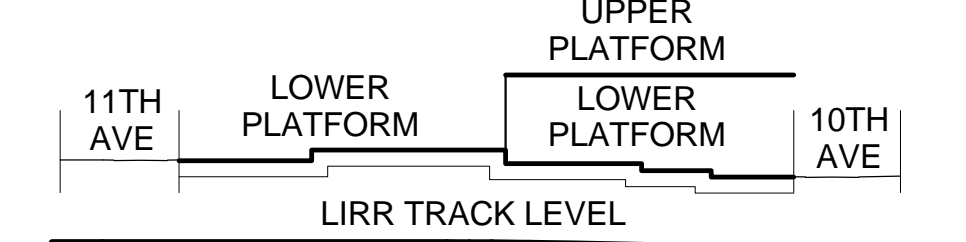
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
New York, NY 10005
212.896.3000

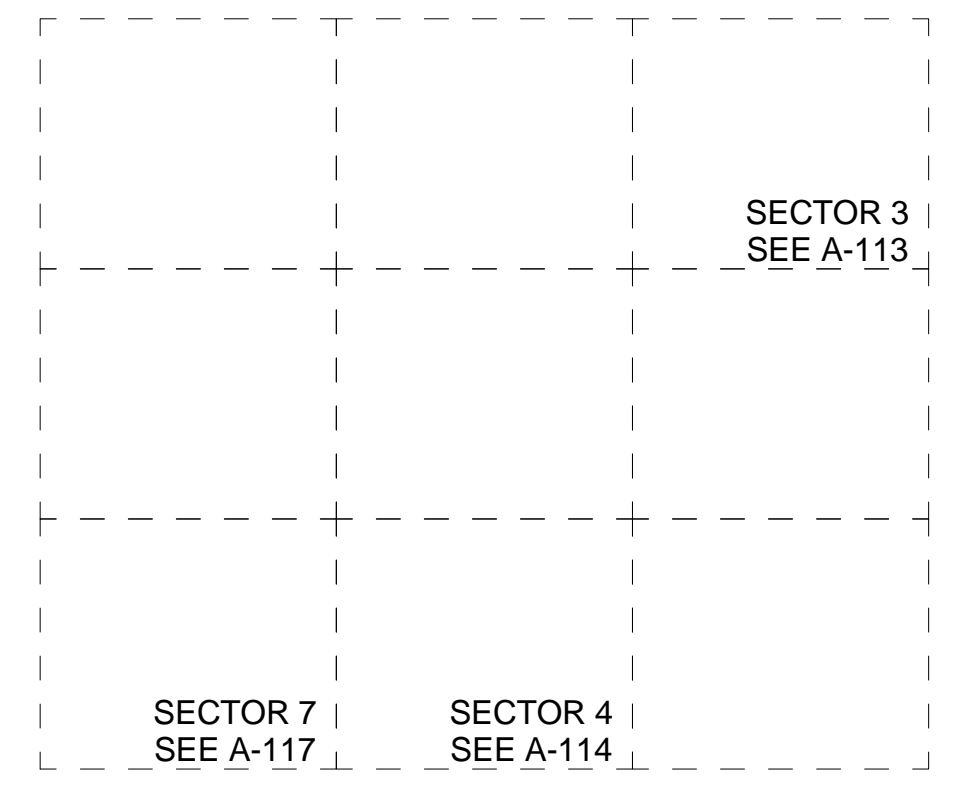
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

GENERAL NOTES

- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR FUTURE LOWER LEVEL PODIUM DEVELOPMENT. SEE FILED UNDER JOB #121186257 & #140332343
- HATCHED AREA DENOTES MOE/AC SUBSTATION CONTROL TOWER LAYOUT SEE A-800 SERIES FOR DOCUMENTATION
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND KEY SECTION.



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE



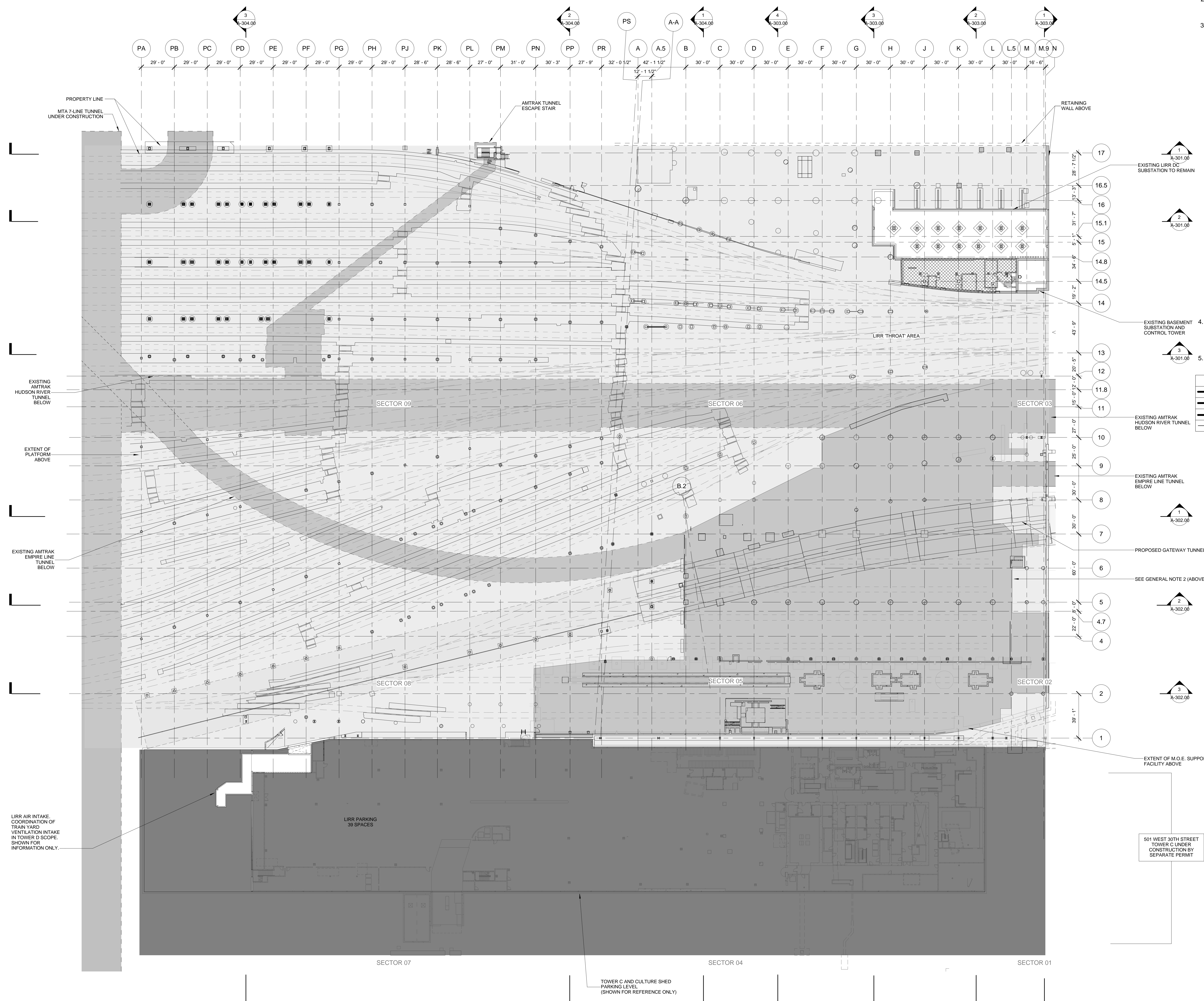
SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

- LIRR EXISTING UTILITIES SHOWN FOR INFORMATION. EXISTING UTILITIES BASED ON AS-BUILT DRAWINGS DATED 1982. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C. IN SECTOR 4

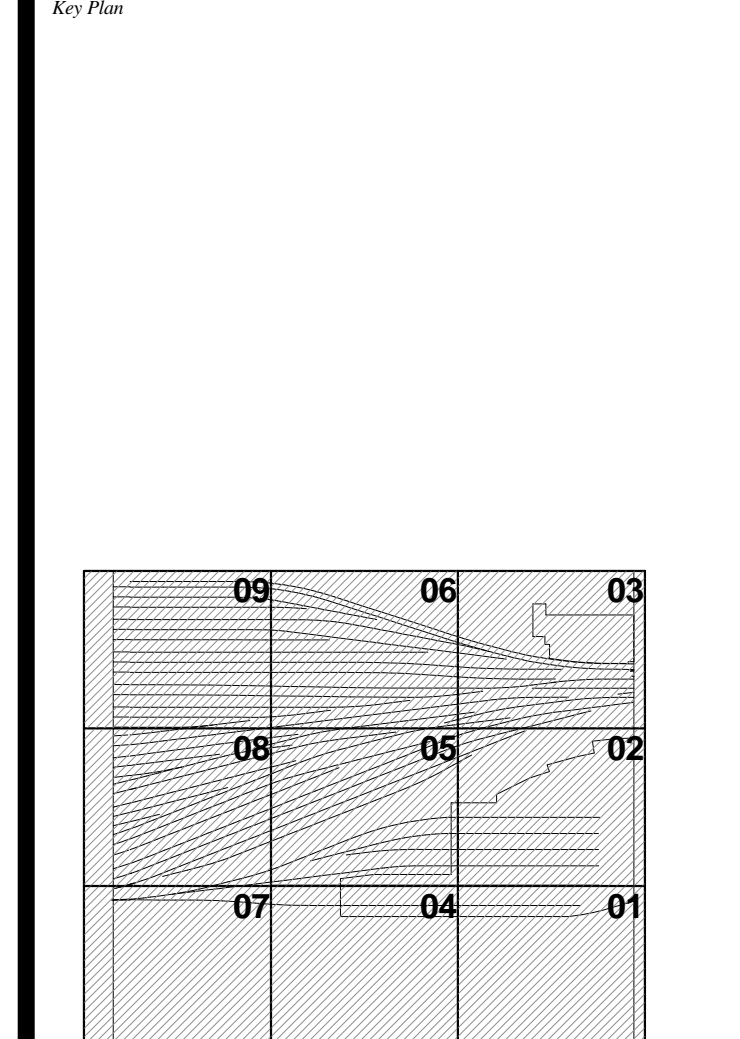
SYMBOL KEY

| | |
|-----------------------|-----------------------------------|
| --- (dashed line) | 1-HOUR RATED PARTITION/SEPARATION |
| -.-.- (dash-dot line) | 2-HOUR RATED PARTITION/SEPARATION |
| --- (solid line) | 3-HOUR RATED PARTITION/SEPARATION |
| S (letter in circle) | SMOKE PARTITION/SEPARATION |

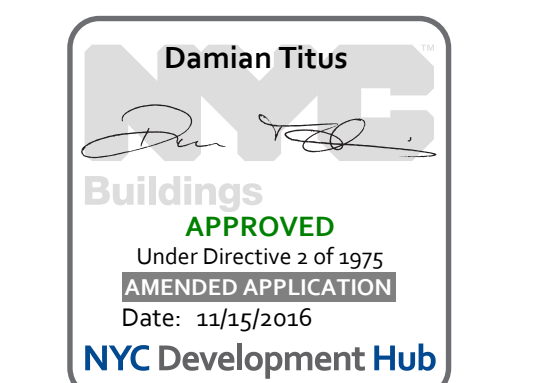
FOR MOE SEE 800 SERIES SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC..



| | | |
|----|---|------------|
| 18 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 17 | L.I.R.R. - Platform Permit Submission | 6/02/2015 |
| 16 | L.I.R.R. - MoE - Final 100% Design Submission for Records | 5/02/2015 |
| 15 | AS-M-01H | 3/23/2015 |
| 14 | AS-M-01H | 11/11/2014 |
| 13 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 12 | AS-010-010 | 10/14/2014 |
| 11 | L.I.R.R. - MoE Permit Submission | 8/01/2014 |
| 10 | L.I.R.R. - Pre-Final 100% MoE Submission | 3/17/2014 |
| 9 | L.I.R.R. - Pre-Final 100% MoE-PLATFORM SUBMISSION | 5/2/2014 |
| 8 | DOB SUBMISSION | 11/22/2013 |
| 7 | L.I.R.R. - 90% MoE SUBMISSION | 10/18/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 10/04/2013 |
| 5 | L.I.R.R. - 60% MoE SUPPLEMENT | 8/09/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |



1 UTILITY LEVEL OVERALL PLAN EL. ± 1'-0"
SCALE: 1/32" = 1'-0"



Date: 02/15/13
Project No: 219
Sheet No: HYE-MOE-A-101.00
Drawing Title: HYE-PL-A-101.00

UTILITY LEVEL OVERALL PLAN

Sheet No: **A-101.01**

UTILITY LEVEL OVERALL PLAN
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|-----|---|------------|
| 21 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 20 | ASL-011 | 3/02/2016 |
| 19 | ASL-010 | 10/09/2015 |
| 18 | ASL-009 | 8/13/2015 |
| 17 | L.I.R.R. - Platform Permit Submission | 6/02/2015 |
| 16 | L.I.R.R. - MoE - Final 100% Design Submission for Records | 5/05/2015 |
| 15 | ASL-010 | 3/23/2015 |
| 14 | ASL-011 | 11/11/2014 |
| 13 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 12 | ASL-009 | 10/14/2014 |
| 11 | L.I.R.R. - MoE Permit Submission | 8/01/2014 |
| 10 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 9 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 8 | L.I.R.R. - Pre-Final 100% MoE-PLATFORM SUBMISSION | 11/22/2013 |
| 7 | DOB SUBMISSION | 10/18/2013 |
| 6 | L.I.R.R. - 90% MoE SUBMISSION | 10/04/2013 |
| 5 | L.I.R.R. - 60% MoE SUBMISSION | 8/09/2013 |
| 4 | NYC DOB Filing | 7/12/2013 |
| 3 | L.I.R.R. - 30% MoE SUBMISSION | 6/17/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 6/14/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| No. | Description | Date |

| | | |
|----|----|----|
| 09 | 06 | 03 |
| 08 | 05 | 02 |
| 07 | 04 | 01 |

Date: 02/15/13
Project No: 219
Drawing No: HYE-MOE-A-102.00
HYE-PL-A-102.00

**TRACK LEVEL
OVERALL PLAN**

Drawing Title
A-102.01

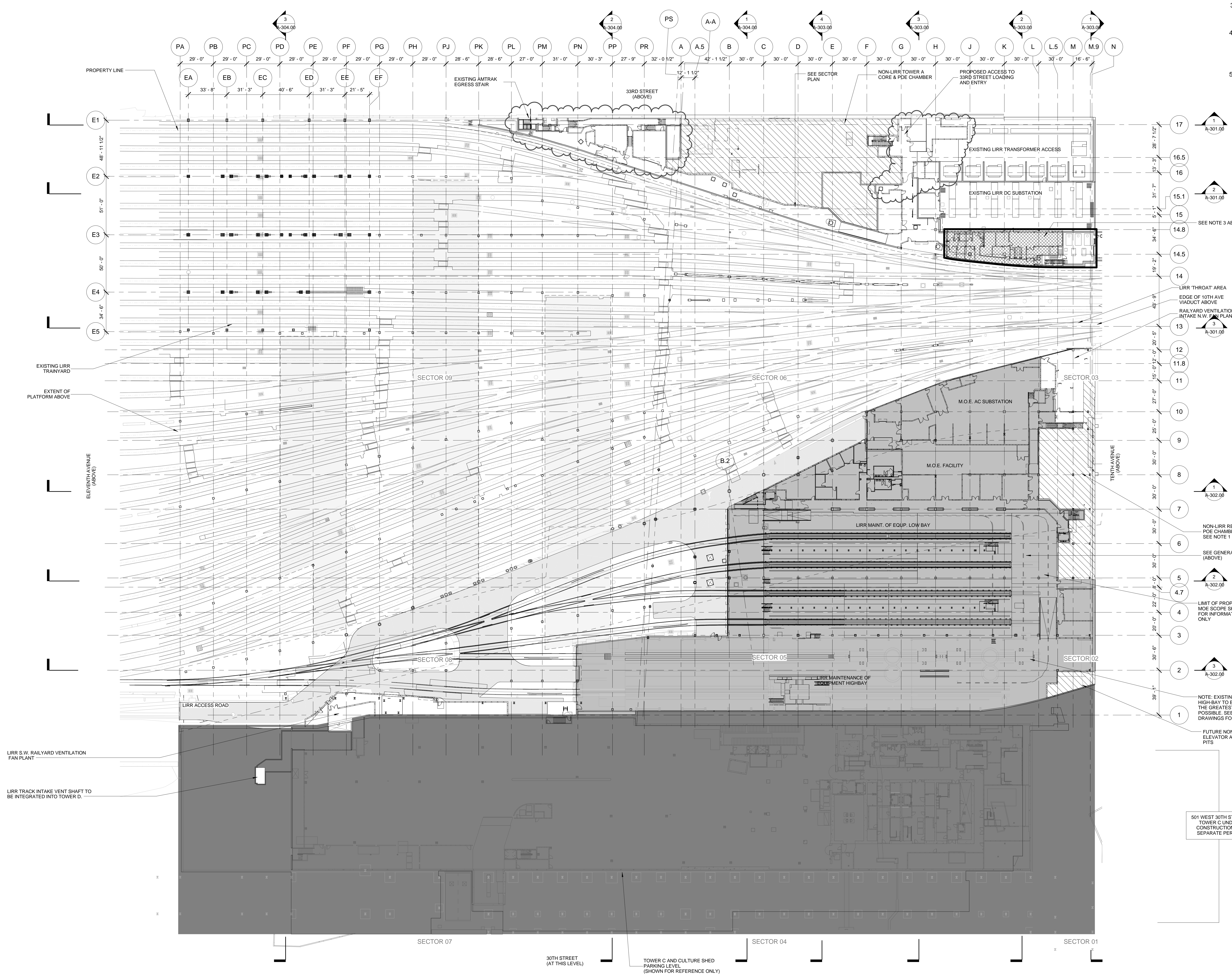
- GENERAL NOTES**
- HATCHED AREA [Hatched] DENOTES PROPOSED NON-LIRR AREA RESERVED FOR FUTURE TOWER A RETAIL PODIUM SERVICE P.O.E.s (FILED UNDER JOB #121186257 & #140332343)
 - HATCHED AREA [Hatched] DENOTES MOE/AC SUBSTATION/CONTROL TOWER. SEE A-800 SERIES FOR DOCUMENTATION
 - HATCHED AREA [Hatched] EXISTING CONTROL TOWER DEMO TO BE ISSUED AS A SEPARATE PACKAGE. SEE AD-900
 - PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:
 - COORDINATE WITH ARCHITECT TO LOCATE THE FOLLOWING TRACK LEVEL DEVICES TO THE GREATEST EXTENT POSSIBLE:

- PLUMBING:**
-HOSE BIBS
-HYDRANT/HOSE CABINETS
- FIRE ALARM/FIRE PROTECTION:**
-HEAT SENSORS
-PULL STATIONS
-STROBE/NOTIFICATION SYSTEM
-FIRE EXTINGUISHERS
-EMERGENCY EGRESS SIGNAGE
-KNOX CO2 SENSORS
- COMMUNICATIONS:**
-TALK BOXES
-PA SPEAKERS
- UPPER PLATFORM**
LOWER PLATFORM
LIRR TRACK LEVEL

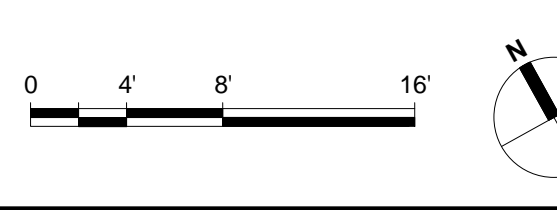
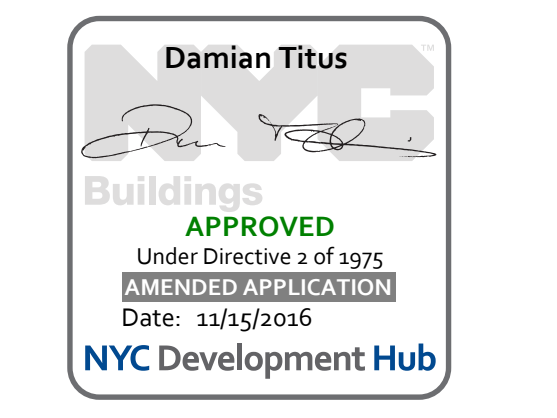
SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

- SYMBOL KEY**
- 1-HOUR RATED PARTITION/SEPARATION
 - 2-HOUR RATED PARTITION/SEPARATION
 - 3-HOUR RATED PARTITION/SEPARATION
 - S SMOKE PARTITION/SEPARATION

SEE 800 SERIES SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC...



1 TRACK LEVEL OVERALL PLAN EL. ± 10'-0"
SCALE: 1/32" = 1'-0"



Address:
530 WEST 33RD STREET
NEW YORK, NY

Client:
Related Companies
60 Columbus Circle
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Oxford Properties Group
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TEL: 212.986.7514 FAX: 212.986.7510

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New York, NY 10001
TEL: 646.569.4200

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TEL: 212.977.6000 FAX: 212.956.2526

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LIRR Ventilation
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LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

GENERAL NOTES

- HATCHED AREA DENOTES PROPOSED NON-LIRR AREA RESERVED FOR FUTURE TOWER VENTILATION SERVICE P.O.E.s (FILED UNDER JOB #121186257 & #140332343)
- HATCHED AREA DENOTES MOE/AC SUBSTATION/CONTROL TOWER. SEE A-800 SERIES FOR DOCUMENTATION
- HATCHED AREA EXISTING CONTROL TOWER DEMO TO BE ISSUED AS A SEPARATE PACKAGE. SEE A-D-800
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION:
- COORDINATE WITH ARCHITECT TO LOCATE THE FOLLOWING TRACK LEVEL DEVICES TO THE GREATEST EXTENT POSSIBLE:

PLUMBING:

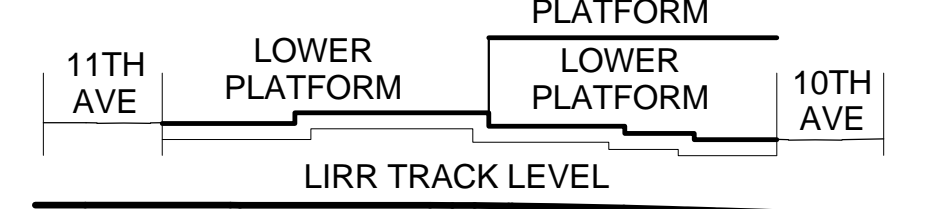
- HOSE BIBS
- HYDRANT/HOSE CABINETS

FIRE ALARM/FIRE PROTECTION:

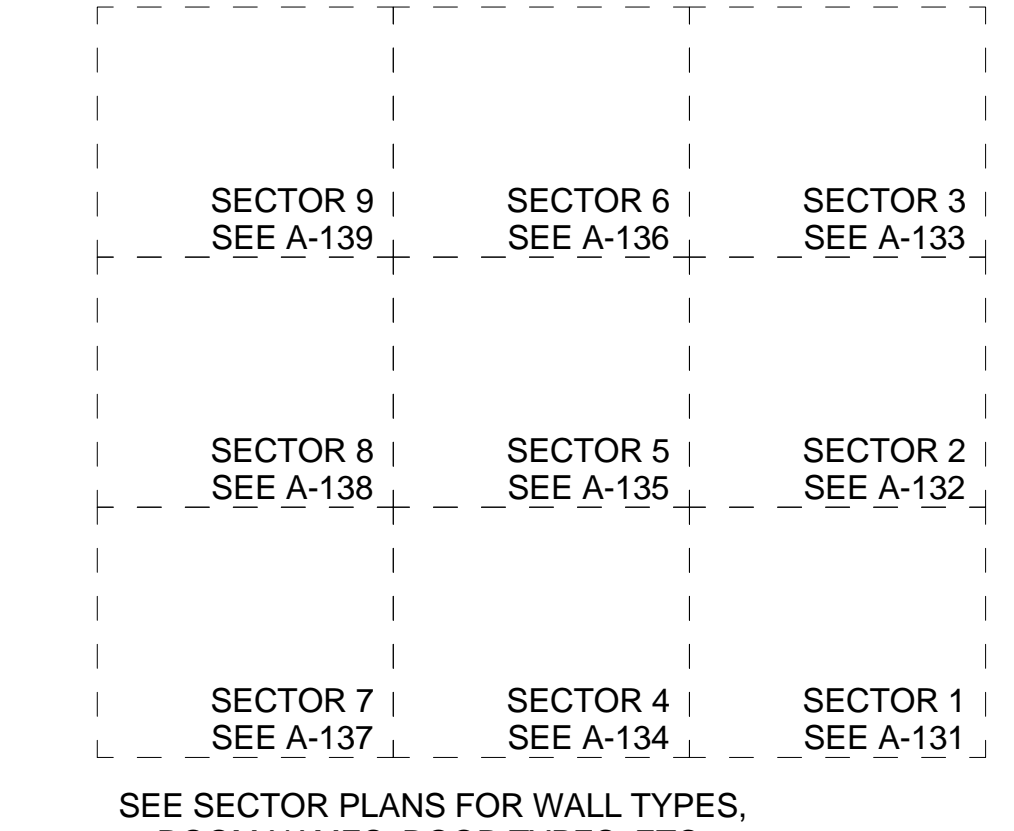
- HEAT SENSORS
- PULL STATIONS
- STROBE/NOTIFICATION SYSTEM
- FIRE EXTINGUISHERS
- EMERGENCY EGRESS SIGNAGE
- KNOX CO2 SENSORS

COMMUNICATIONS:

- TALK BOXES
- PA SPEAKERS



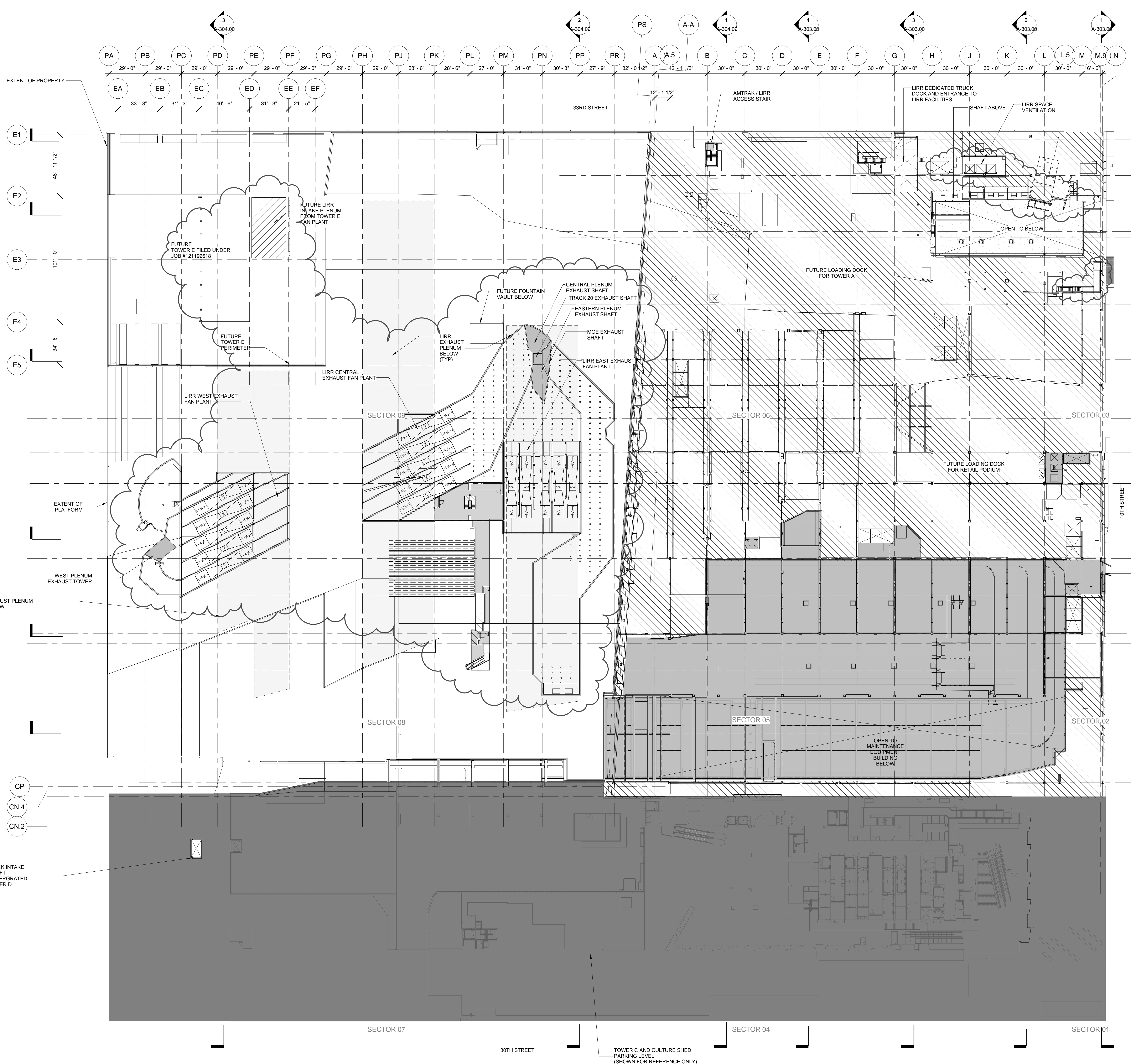
SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE



SYMBOL KEY

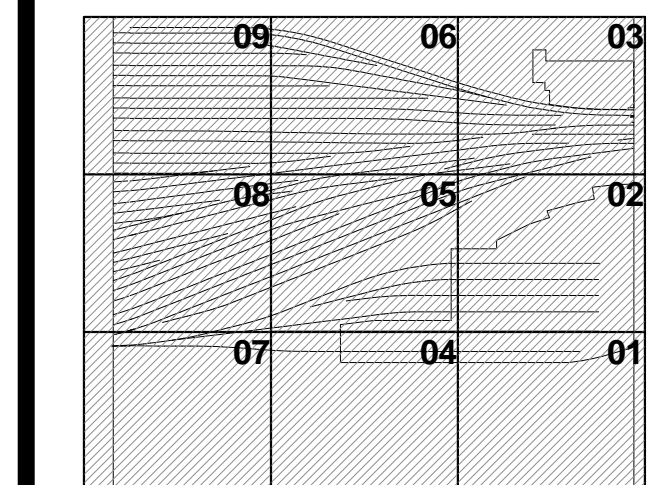
| | |
|--|-----------------------------------|
| | 1-HOUR RATED PARTITION/SEPARATION |
| | 2-HOUR RATED PARTITION/SEPARATION |
| | 3-HOUR RATED PARTITION/SEPARATION |
| | SMOKE PARTITION/SEPARATION |

| | | |
|----|---|------------|
| 20 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 19 | ASL-091 | 8/13/2015 |
| 18 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 17 | L.I.R.R. - M.O.E. Final 100% Design Submission for Review | 5/08/2015 |
| 16 | ASL-018 | 3/23/2015 |
| 15 | ASL-011 | 11/11/2014 |
| 14 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 13 | ASL-049 | 10/14/2014 |
| 12 | L.I.R.R. - M.O.E. Permit Submission | 8/01/2014 |
| 11 | Exhaust Fan Plant 60% Submission | 5/28/2014 |
| 10 | L.I.R.R. - Pre-Final 100% MoE Submission | 5/2/2014 |
| 9 | L.I.R.R. - Pre-Final 100% MoE-PLATFORM SUBMISSION | 11/22/2013 |
| 8 | DOB SUBMISSION | 10/18/2013 |
| 7 | L.I.R.R. - 90% MoE SUBMISSION | 10/04/2013 |
| 6 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 5 | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 4 | NYC DOB Filing | 6/17/2013 |
| 3 | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |



501 WEST 30TH STREET TOWER C UNDER CONSTRUCTION BY SEPARATE PERMIT

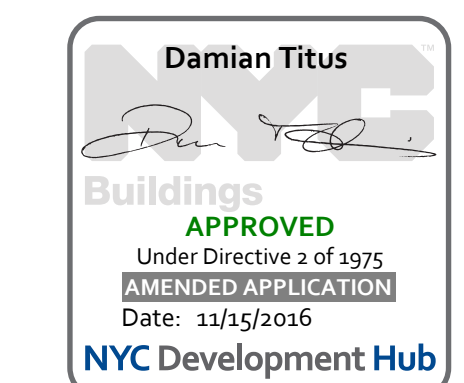
1 LOWER PLATFORM LEVEL OVERALL PLAN EL. ± 35'-0"
SCALE: 1/32" = 1'-0"



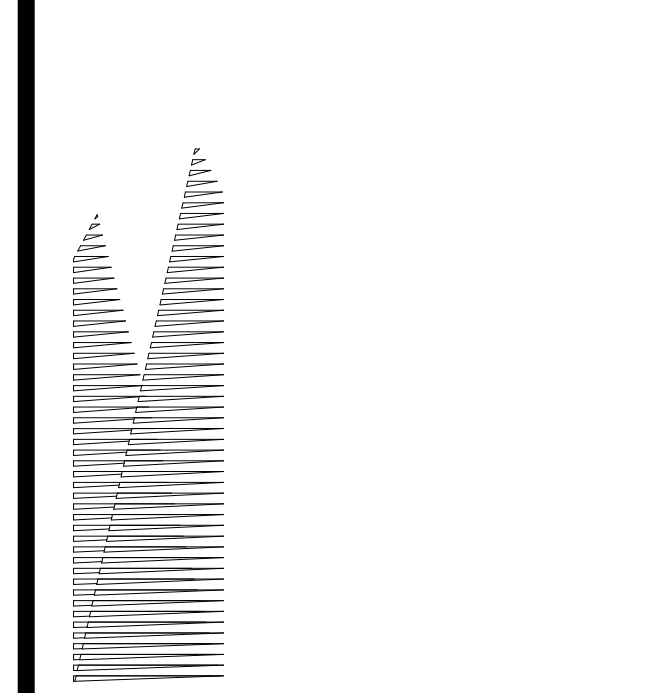
Date: 02/15/13
Project No: 219
Drawing No: HYE-MOE-A-103.00
HYE-PL-A-103.00

**LOWER PLATFORM
LEVEL OVERALL PLAN**

Sheet Number:
A-103.01



Address:
530 WEST 33RD STREET
NEW YORK, NY



Client:
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager:
Tutor Perini Building Corporation
340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

Architect:
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer:
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection:
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation:
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation:
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9500 FAX: 212.682.6172

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1 L.I.R.R. - 30% SUBMISSION 2/15/2013
No. Description Date

17 DOB POST-APPROVAL AMENDMENT 10/28/2016
16 L.I.R.R. - M.o.E. Final 8/13/2015
15 L.I.R.R. - Platform Permit Submission 6/05/2015
14 L.I.R.R. - M.o.E. Final 100% Design 5/05/2015
Submission for Records
13 AS-M-018 3/23/2015
12 AS-M-011 11/11/2014
11 L.I.R.R. - Final 100% Design Submission 10/14/2014
for Records
10 AS-099 10/14/2014
9 L.I.R.R. - M.o.E. Permit Submission 8/01/2014
8 Exhaust Fan Plant 60% Submission 5/28/2014
DOB SUBMISSION UPDATE 3/17/2014
7 L.I.R.R. - Pre-Final 100% MoE 5/2/2014
SUBMISSION
6 L.I.R.R. - Pre-Final 100% 11/22/2013
MoE-PLATFORM SUBMISSION
5 DOB SUBMISSION 10/18/2013
4 L.I.R.R. - 90% SUBMISSION 8/09/2013
3 NYC DOB Filing 6/17/2013
2 L.I.R.R. - 60% SUBMISSION 5/29/2013
1 L.I.R.R. - 30% SUBMISSION 2/15/2013
No. Description Date

17 DOB POST-APPROVAL AMENDMENT 10/28/2016
16 L.I.R.R. - M.o.E. Final 8/13/2015
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DOB SUBMISSION UPDATE 3/17/2014
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SUBMISSION
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1 L.I.R.R. - 30% SUBMISSION 2/15/2013
No. Description Date

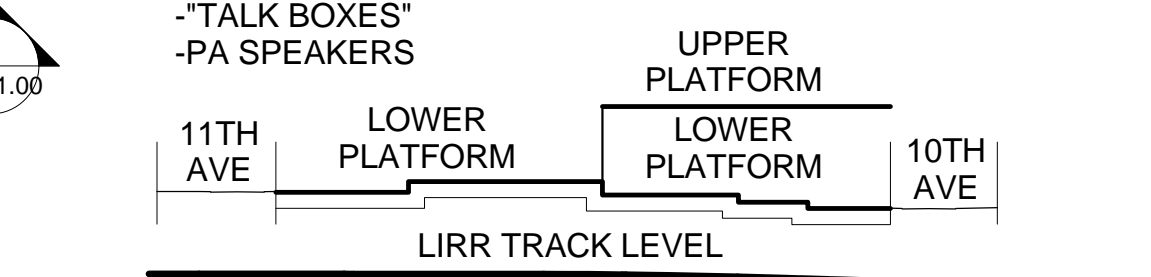
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No. Description Date

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15 L.I.R.R. - Platform Permit Submission 6/05/2015
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1 L.I.R.R. - 30% SUBMISSION 2/15/2013
No. Description Date

GENERAL NOTES

- HATCHED AREA [diagonal lines] DENOTES PROPOSED NON-LIRR AREA RESERVED FOR FUTURE TOWER & RETAIL PODIUM SERVICE. P.O.E.s FILED UNDER JOB #121186257 & #140332343.
- HATCHED AREA [cross-hatch] DENOTES MOE/AC SUBSTATION/CONTROL TOWER. SEE A-800 SERIES FOR DOCUMENTATION.
- HATCHED AREA [stippled] EXISTING CONTROL TOWER DEMO TO BE ISSUED AS A SEPARATE PACKAGE. SEE A2-800.
- PLATFORM LOWER LEVEL PROVIDES THE ENCLOSURE TO LIRR TRAINYARD AREA. PLATFORM UPPER LEVEL INCLUDES TEMPORARY REQUIRED OVER THROAT AND BASE OF RETAIL PODIUM KEY SECTION.
- COORDINATE WITH ARCHITECT TO LOCATE THE FOLLOWING TRACK LEVEL DEVICES TO THE GREATEST EXTENT POSSIBLE:

- PLUMBING:**
- HOSE BIBS
 - HYDRANT/HOSE CABINETS
- FIRE ALARM/FIRE PROTECTION:**
- HEAT SENSORS
 - PULL STATIONS
 - STROBE/NOTIFICATION SYSTEM
 - FIRE EXTINGUISHERS
 - EMERGENCY EGRESS SIGNAGE
 - KNOX CO2 SENSORS
- COMMUNICATIONS**
- TALK BOXES
 - PA SPEAKERS



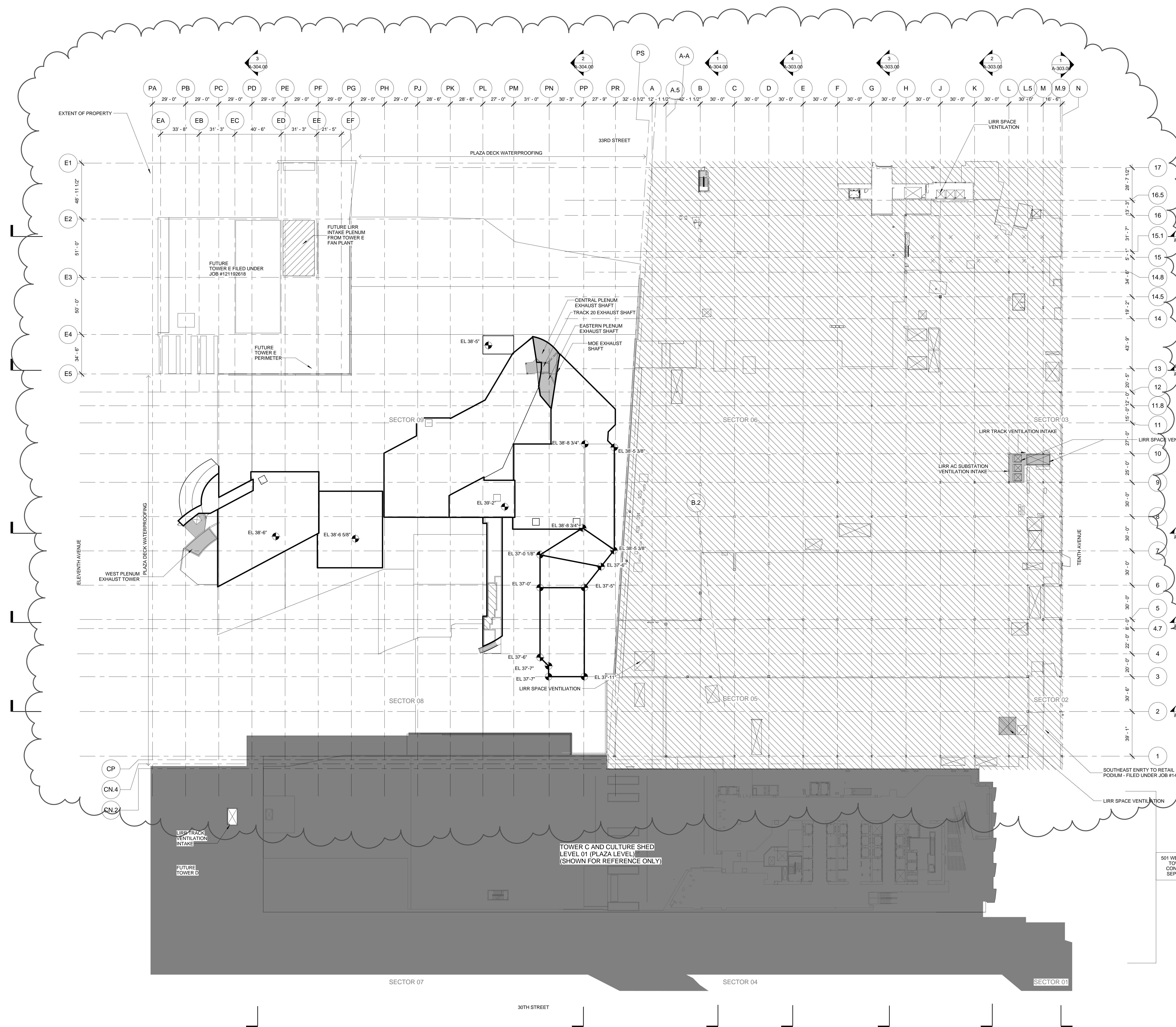
SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

| | | |
|-----------------------|-----------------------|-----------------------|
| SECTOR 9 SEE A-149 | SECTOR 6 SEE A-146 | SECTOR 3 SEE A-143 |
| SECTOR 8 SEE A-148 | SECTOR 5 SEE A-145 | SECTOR 2 SEE A-142 |
| SECTOR 7 SEE A-147 | SECTOR 4 SEE A-144 | SECTOR 1 SEE A-131 |

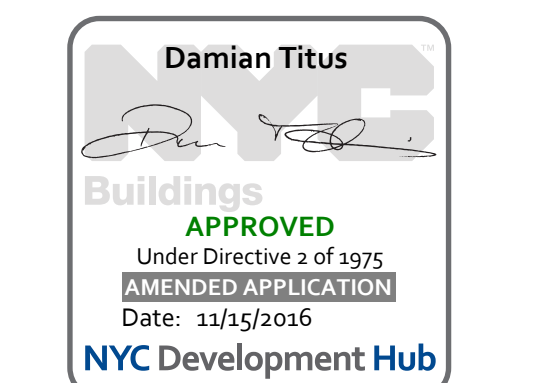
SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

SYMBOL KEY

| | |
|-----------------|-----------------------------------|
| [Solid line] | 1-HOUR RATED PARTITION/SEPARATION |
| [Dashed line] | 2-HOUR RATED PARTITION/SEPARATION |
| [Dotted line] | 3-HOUR RATED PARTITION/SEPARATION |
| [Line with 'S'] | SMOKE PARTITION/SEPARATION |
| [Dotted circle] | EXPANSION JOINT |



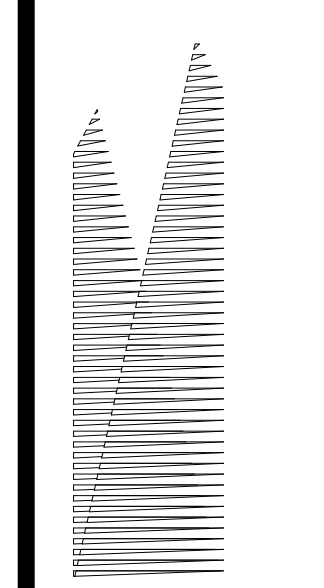
1 UPPER PLATFORM LEVEL OVERALL PLANS
SCALE: 1/32" = 1'-0"



Date: 02/15/13
Project No: 219
Sheet No: HYE-MOE-A-104.00
Drawing Title: HYE-PL-A-104.00

APPROVED
Under Directive 2 of 2005
Date: 1/15/2015
NYC Development Hub

Sheet No: A-104.01



Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tutor Perini Building Corporation
340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

Architect
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

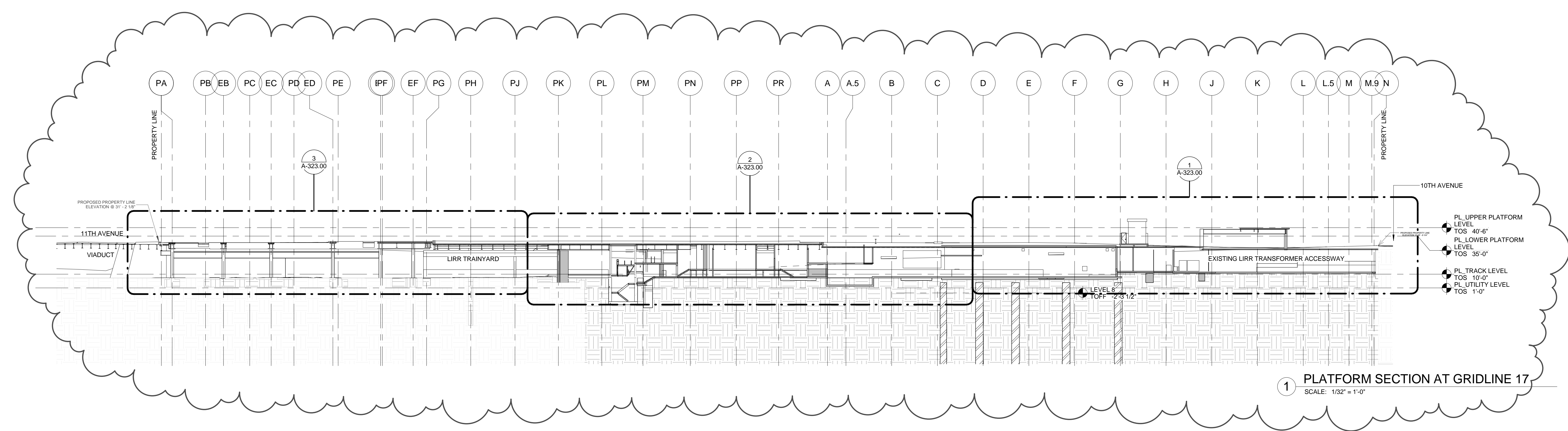
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

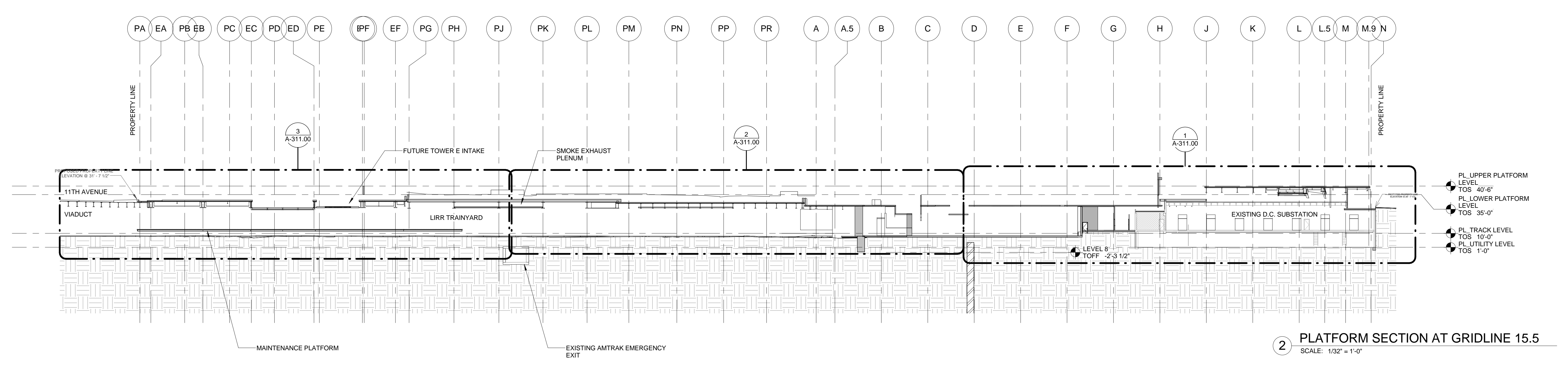
LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9500 FAX: 212.682.6172

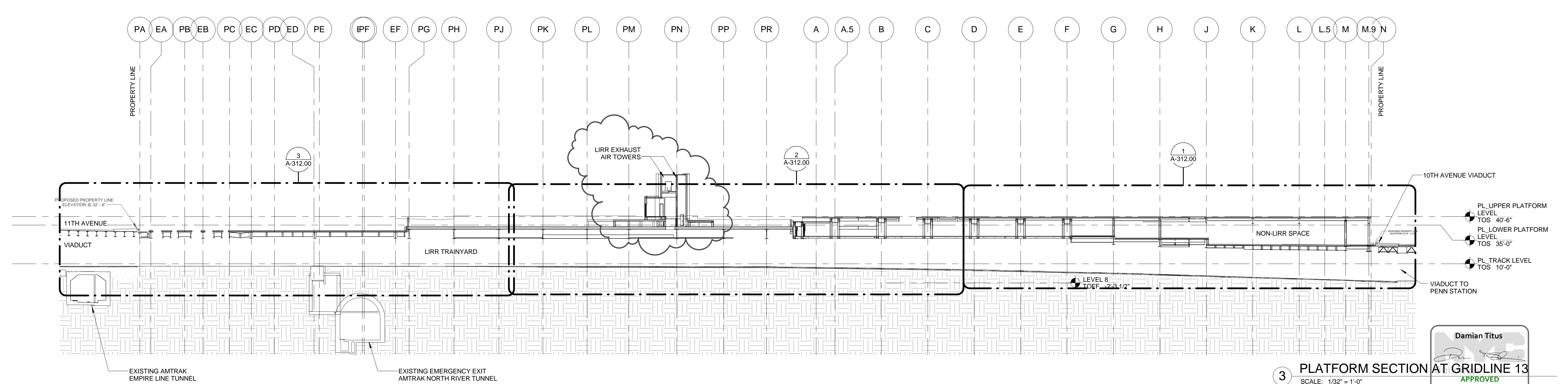
- NOTES**
- SEE PLANS FOR IDENTIFICATION OF PLATFORM SCOPE & MOE REBUILD SCOPE.
 - SEE INDIVIDUAL DISCIPLINE DRAWINGS FOR ELEMENTS NOT SHOWN FOR CLARITY.



1 PLATFORM SECTION AT GRIDLINE 17
SCALE: 1/32" = 1'-0"

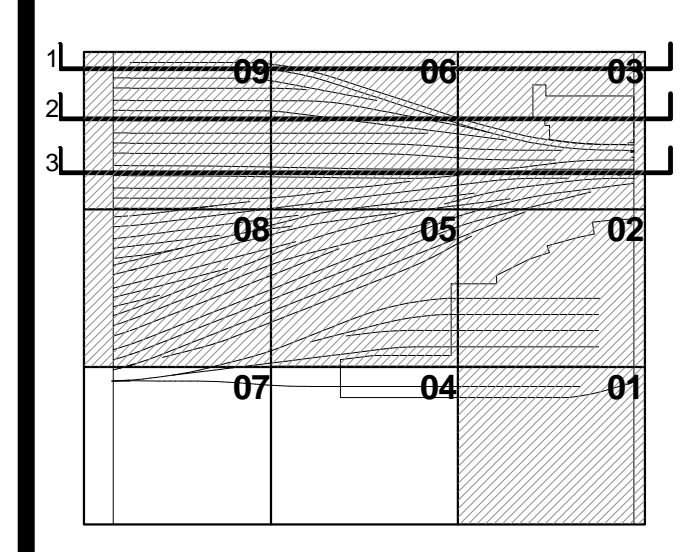


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SCALE: 1/32" = 1'-0"



3 PLATFORM SECTION AT GRIDLINE 13
SCALE: 1/32" = 1'-0"

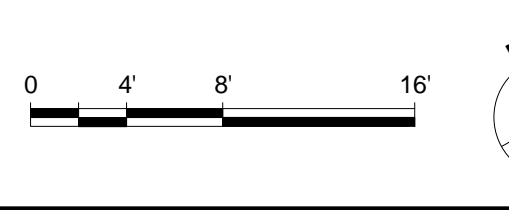
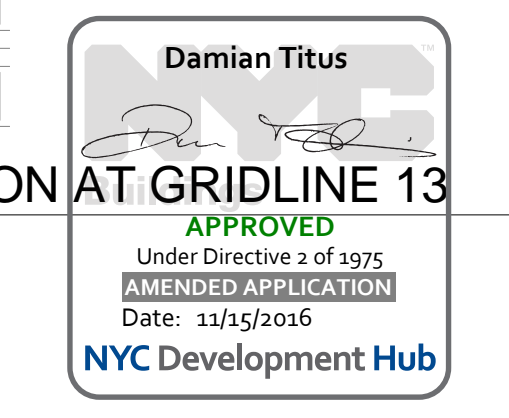
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|-----|---|------------|
| 13 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 12 | L.I.R.R. - Platform Form Submission | 6/28/2015 |
| 11 | L.I.R.R. - Final 100% Design Submission | 10/14/2014 |
| | for Records | |
| 10 | ASI 0409 | 10/14/2014 |
| 9 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8 | L.I.R.R. - Pre-Final 100% M&E PLATFORM SUBMISSION | 11/22/2013 |
| 7 | DOB SUBMISSION | 10/18/2013 |
| 6 | L.I.R.R. - 90% M&E SUBMISSION | 10/04/2013 |
| 5 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 4 | L.I.R.R. - 60% M&E SUBMISSION | 7/12/2013 |
| 3 | NYC DOB Filing | 6/17/2013 |
| 2 | L.I.R.R. - 30% M&E SUBMISSION | 6/14/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |
| No. | Description | Date |



Date: 02/15/13
Project No: 219
Drawn By: [Signature]
Sheet Number: [Signature]
Drawing Title: **HYE - PL - A-301.00**

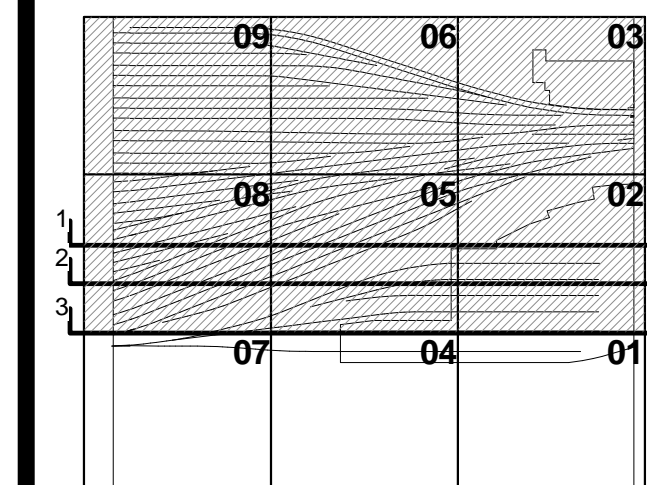
OVERALL E/W SECTIONS

Drawn By: **A-301.01**



| | | |
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| 17 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 16 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 15 | L.I.R.R. - M.o.E. Final 100% Design Submission for Records | 5/05/2015 |
| 14 | ASL M.O.E. | 3/23/2015 |
| 13 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 12 | ASL 0409 | 10/14/2014 |
| 11 | L.I.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 10 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 9 | L.I.R.R. - Pre-Final 100% SUBMISSION | 5/2/2014 |
| 8 | L.I.R.R. - Pre-Final 100% M.o.E. PLATFORM SUBMISSION | 11/22/2013 |
| 7 | DOB SUBMISSION | 10/18/2013 |
| 6 | L.I.R.R. - 90% M.o.E. SUBMISSION | 10/04/2013 |
| 5 | L.I.R.R. - 60% M.o.E. SUBMISSION | 8/09/2013 |
| 4 | L.I.R.R. - 60% M.o.E. SUBMISSION | 7/12/2013 |
| 3 | NYC DOB Filing | 6/17/2013 |
| 2 | L.I.R.R. - 30% M.o.E. SUBMISSION | 6/14/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

| No. | Description | Date |
|-----|-------------|------|
|-----|-------------|------|

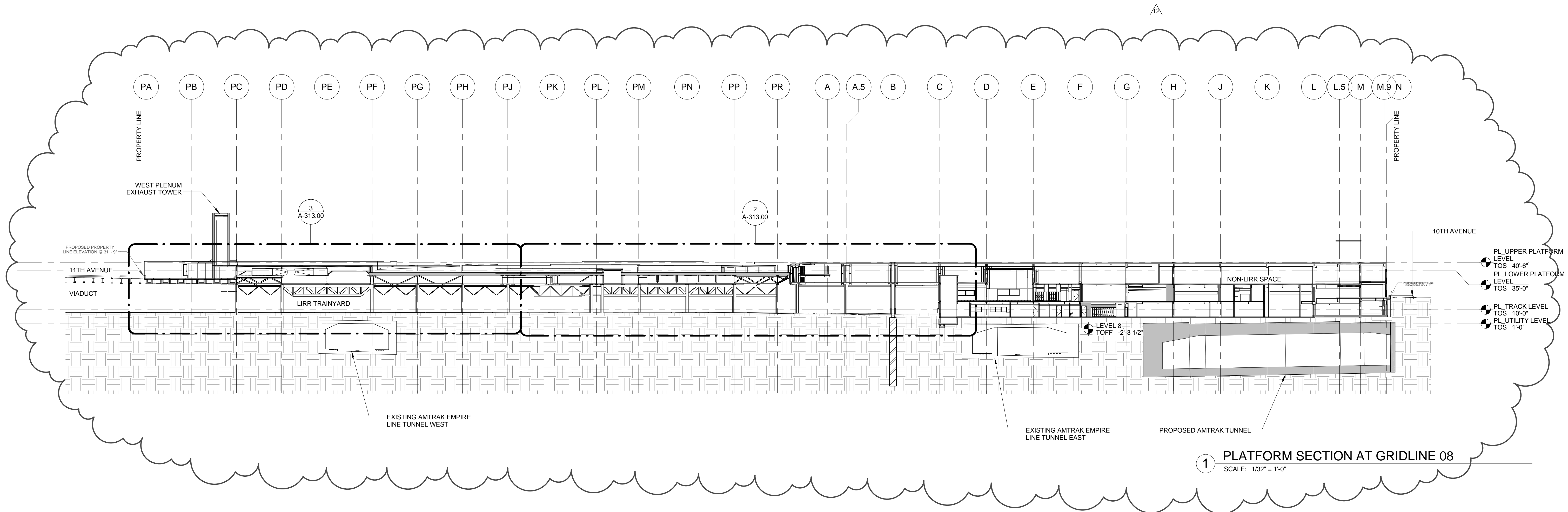


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Project No: 219
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Drawing Title: HYE-PL-A-302.00

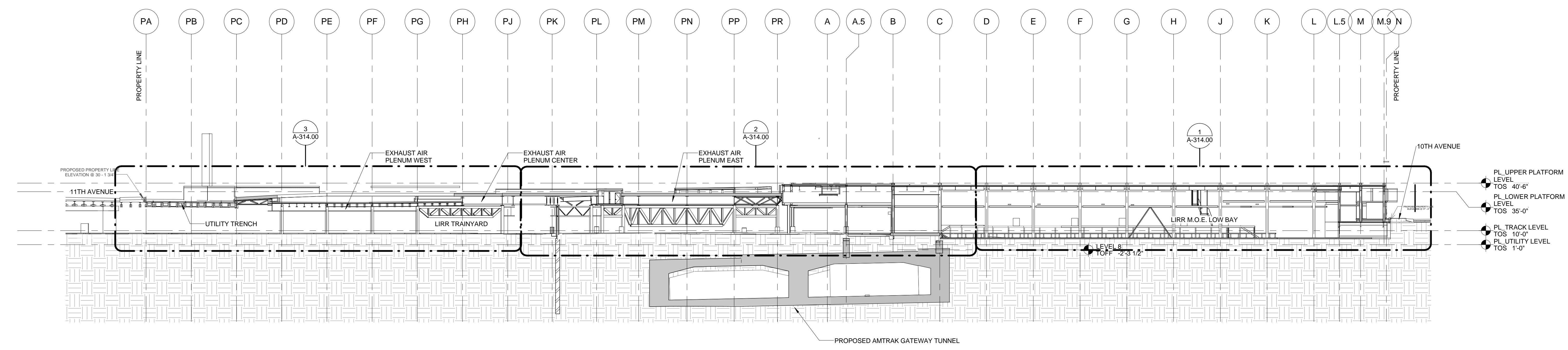
OVERALL E/W SECTIONS

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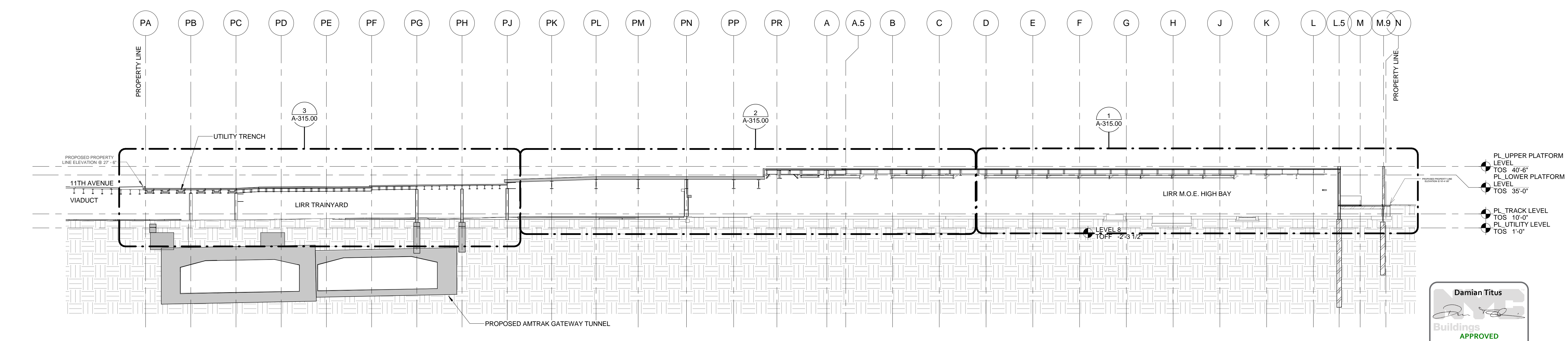
- NOTES**
- SEE PLANS FOR IDENTIFICATION OF PLATFORM SCOPE & MOE REBUILD SCOPE.
 - SEE INDIVIDUAL DISCIPLINE DRAWINGS FOR ELEMENTS NOT SHOWN FOR CLARITY.



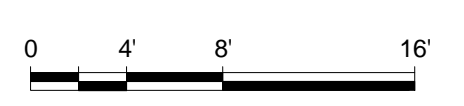
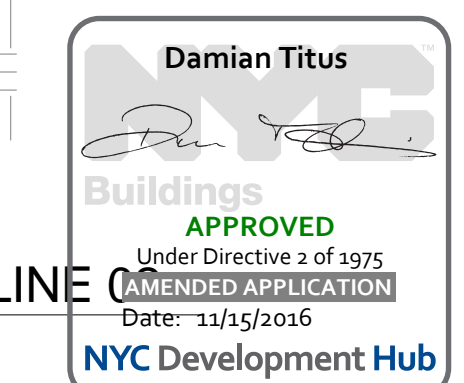
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2 PLATFORM SECTION AT GRIDLINE 05
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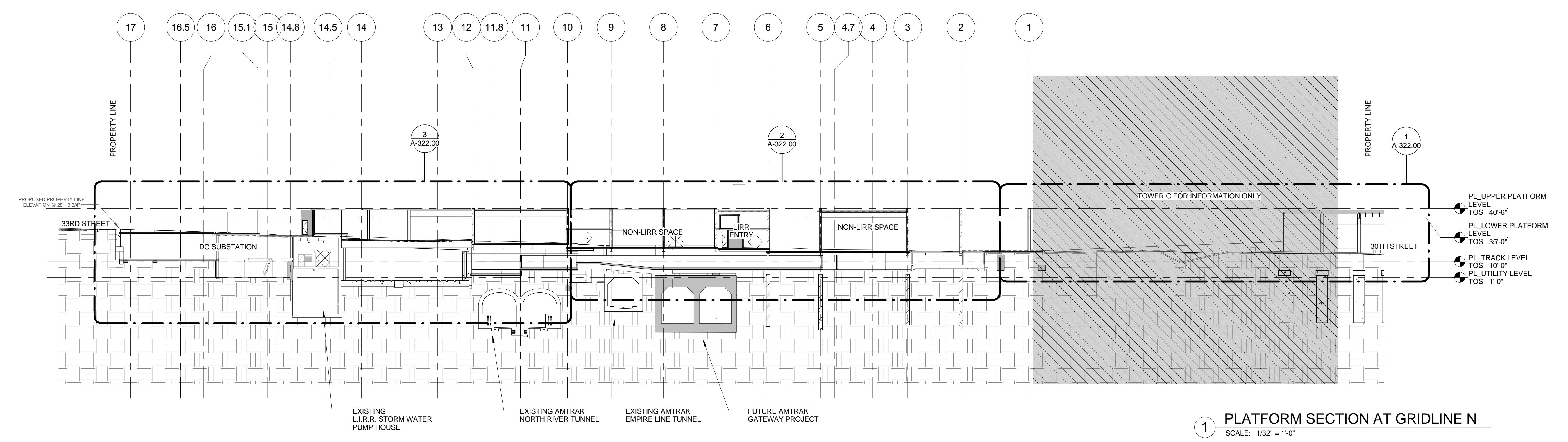


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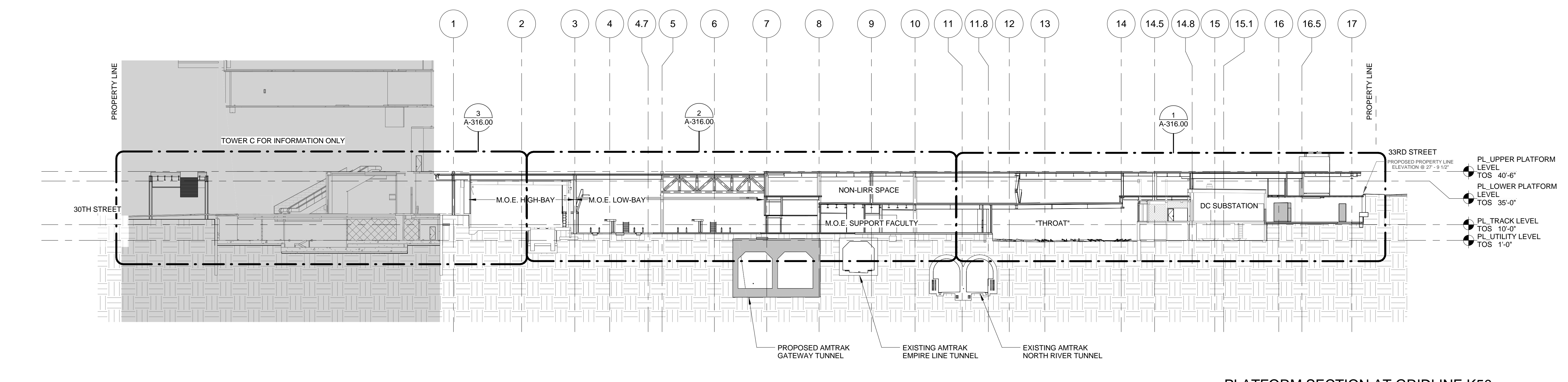


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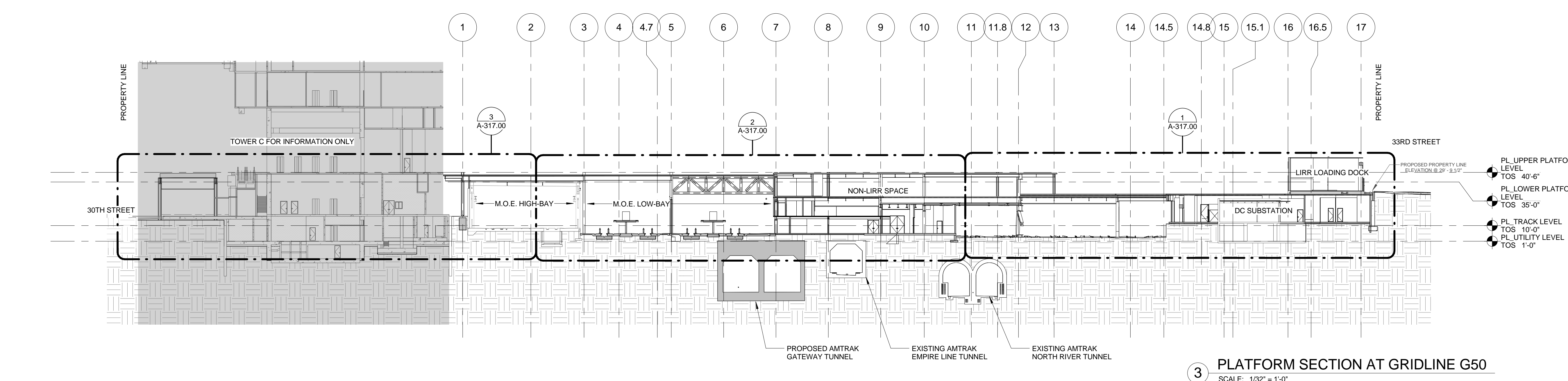
- NOTES**
1. SEE PLANS FOR IDENTIFICATION OF PLATFORM SCOPE & MOE REBUILD SCOPE.
 2. SEE INDIVIDUAL DISCIPLINE DRAWINGS FOR ELEMENTS NOT SHOWN FOR CLARITY.



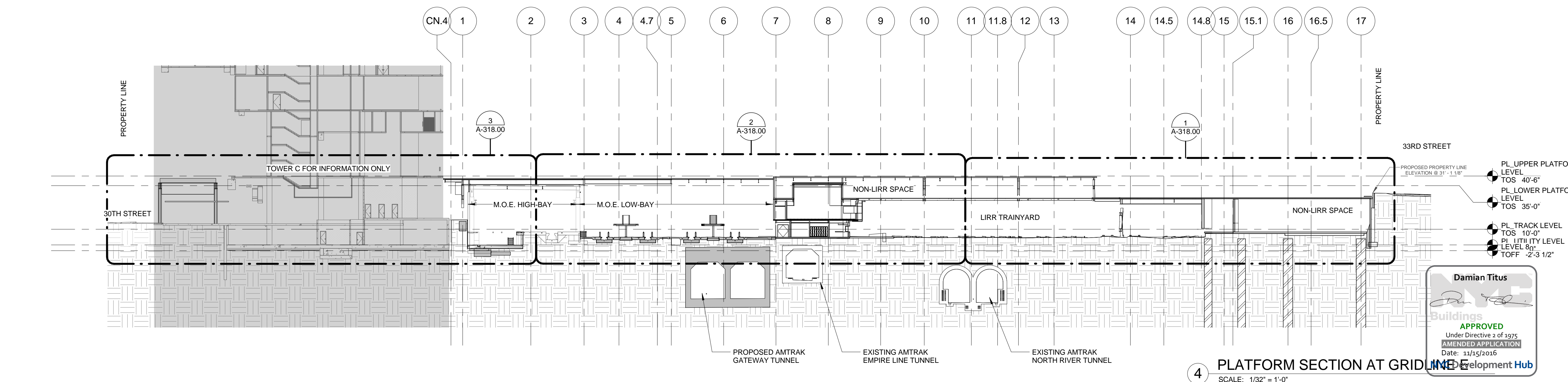
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SCALE: 1/32" = 1'-0"



2 PLATFORM SECTION AT GRIDLINE K50
SCALE: 1/32" = 1'-0"



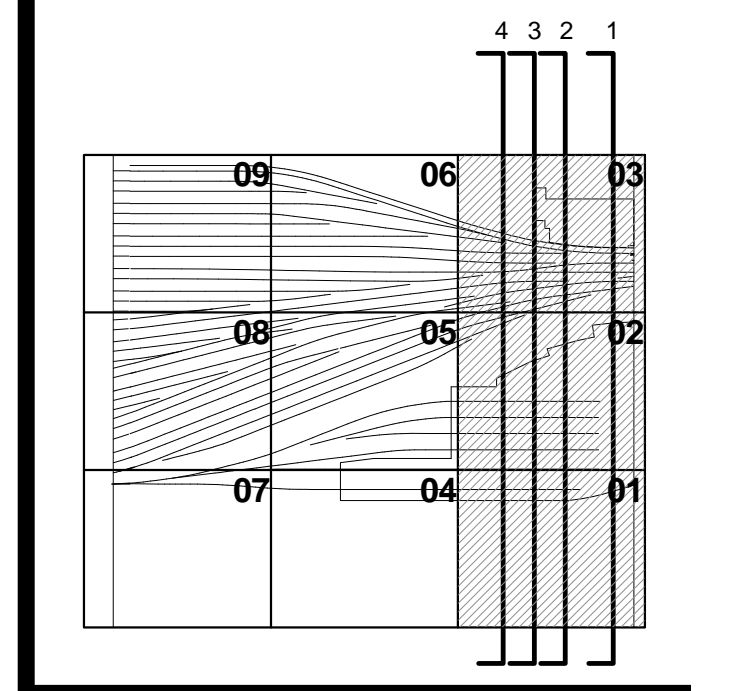
3 PLATFORM SECTION AT GRIDLINE G50
SCALE: 1/32" = 1'-0"



4 PLATFORM SECTION AT GRIDLINE A-303.00
SCALE: 1/32" = 1'-0"

| | | |
|----|---|------------|
| 15 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 14 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 13 | L.I.R.R. - MoE - Final 100% Design Submission for Records | 5/05/2015 |
| 12 | AS1-M-018 | 3/23/2015 |
| 11 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 10 | AS1-049 | 10/14/2014 |
| 9 | L.I.R.R. - MoE - Permit Submission | 8/01/2014 |
| 8 | L.I.R.R. - Pre-Final 100% MoE Submission | 5/2/2014 |
| 7 | L.I.R.R. - Pre-Final 100% MoE PLATFORM SUBMISSION | 11/22/2013 |
| 6 | DOB SUBMISSION | 10/18/2013 |
| 5 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 4 | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 3 | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| 2 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 1 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

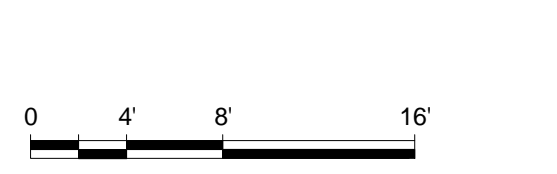
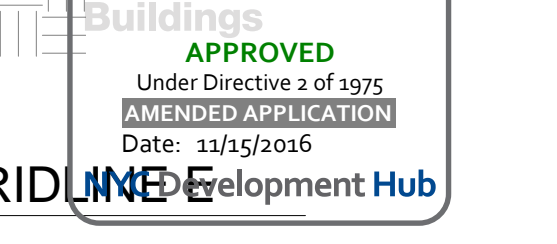
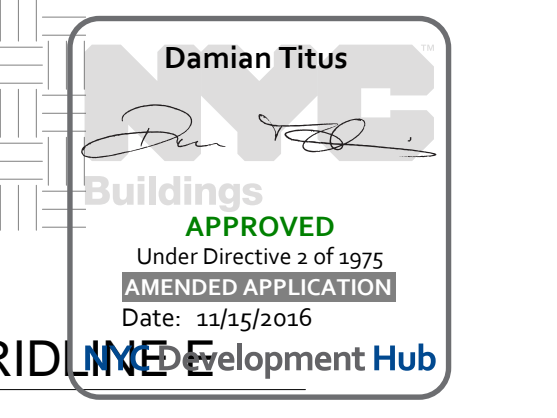
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| 2 | 06 | 02/15/13 |
| 3 | 03 | 02/15/13 |
| 4 | 05 | 02/15/13 |
| 5 | 04 | 02/15/13 |
| 6 | 07 | 02/15/13 |



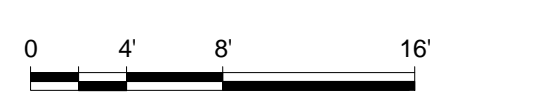
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Project No: 219
Drawn By: [Signature]
Sheet Number: HYE -MOE-A-303.00
Drawing Title: HYE -PL -A-303.00

OVERALL NS SECTIONS

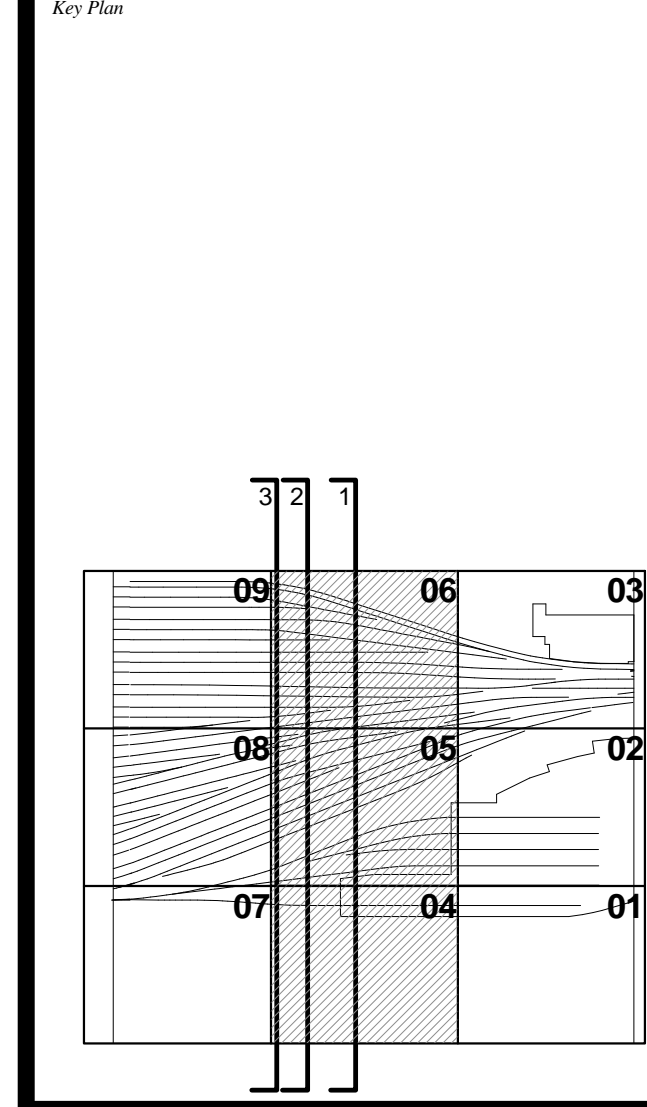
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APPROVED
Under Directive 2 of 2015
REVISIONS/ISSUES/NOTES
Date: 1/15/2015



| | | |
|----|--|------------|
| 17 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 16 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 15 | L.I.R.R. - M.o.E. Final 100% Design Submission for Records | 5/05/2015 |
| 14 | AS2-M.O.E. | 3/23/2015 |
| 13 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 12 | AS1-0409 | 10/14/2014 |
| 11 | L.I.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 10 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 9 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 8 | L.I.R.R. - Pre-Final 100% MoE-PLATFORM SUBMISSION | 11/22/2013 |
| 7 | DOB SUBMISSION | 10/18/2013 |
| 6 | L.I.R.R. - 90% MoE SUBMISSION | 10/04/2013 |
| 5 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 4 | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 3 | NYC DOB Filing | 6/17/2013 |
| 2 | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |

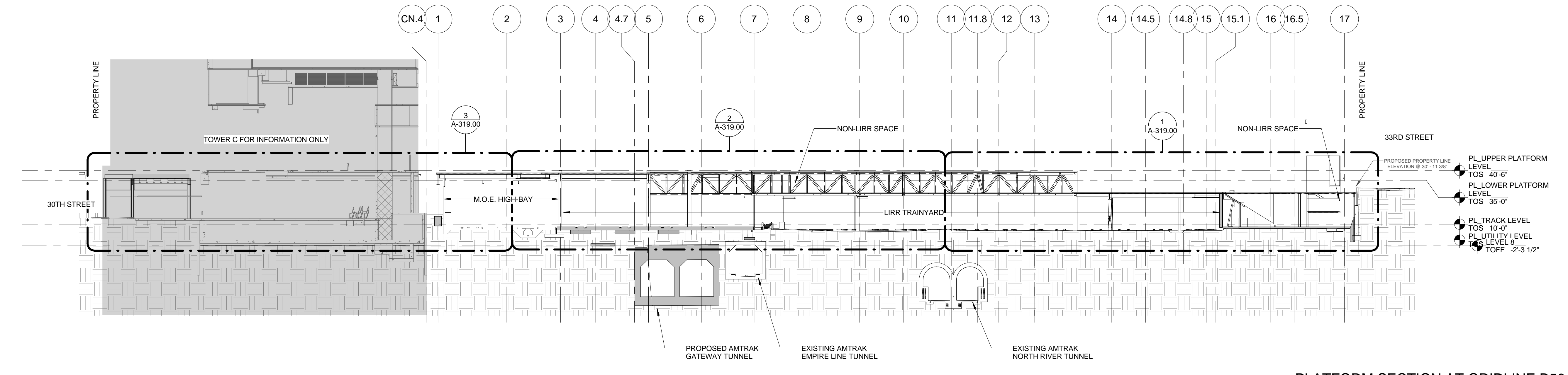


Date: 02/15/13
Project No: 219
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Drawing Title: HYE-PL-A-304.00

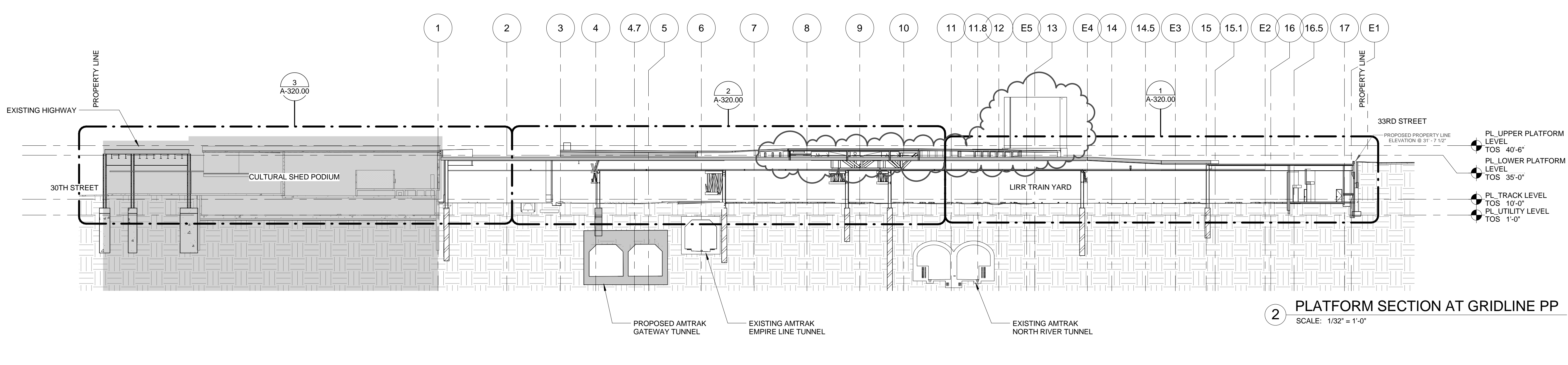
OVERALL NS SECTIONS

Sheet Number: **A-304.01**

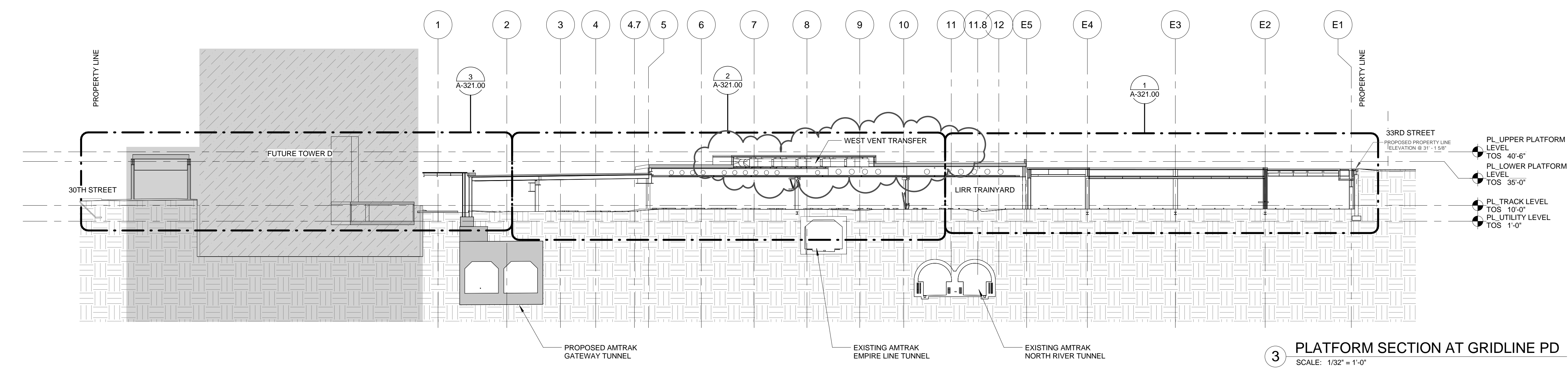
- NOTES**
- SEE PLANS FOR IDENTIFICATION OF PLATFORM SCOPE & MOE REBUILD SCOPE.
 - SEE INDIVIDUAL DISCIPLINE DRAWINGS FOR ELEMENTS NOT SHOWN FOR CLARITY.



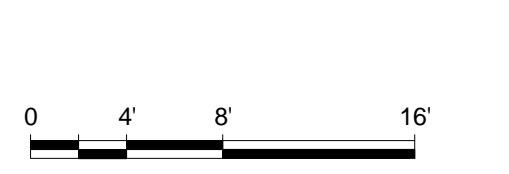
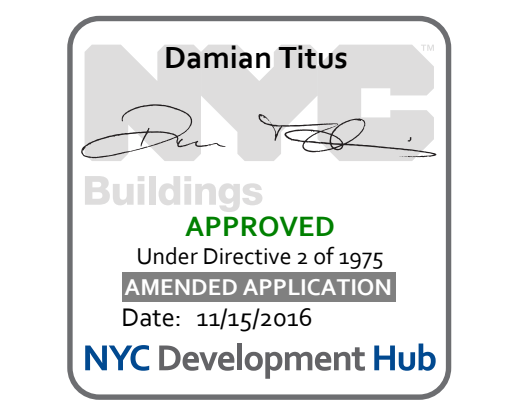
1 PLATFORM SECTION AT GRIDLINE B50
SCALE: 1/32" = 1'-0"

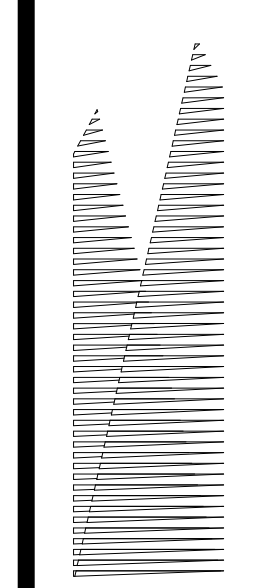


2 PLATFORM SECTION AT GRIDLINE PP
SCALE: 1/32" = 1'-0"



3 PLATFORM SECTION AT GRIDLINE PD
SCALE: 1/32" = 1'-0"





Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
Tutor Perini Building Corporation
340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

Architect
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 West Street
New York, NY 10005
212.896.3000

LIRR Substation
ARCION
605 Third Avenue
New York, NY 10158
TEL: 212.973.9200 FAX: 212.682.6172

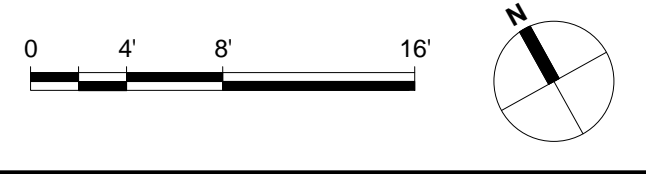
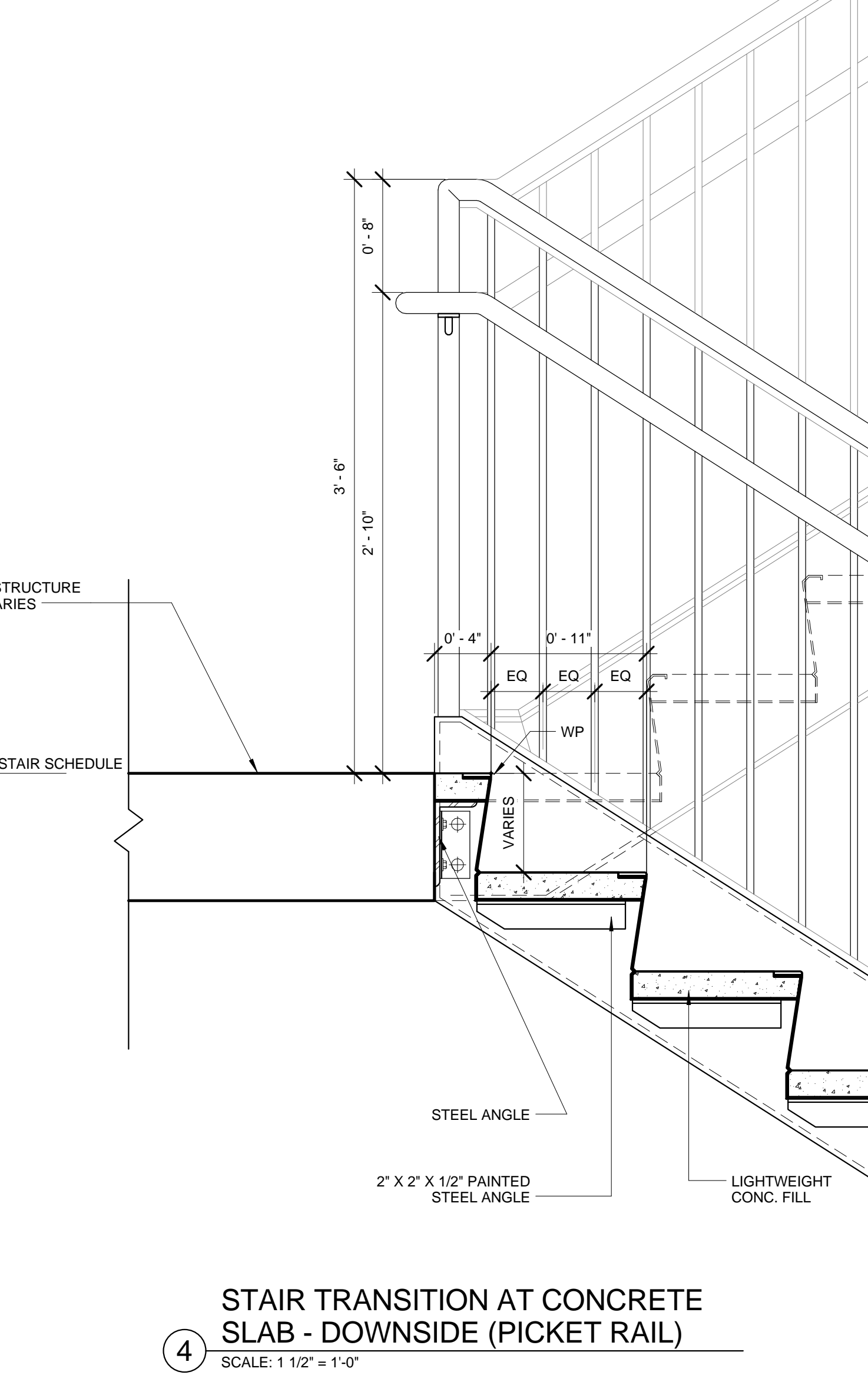
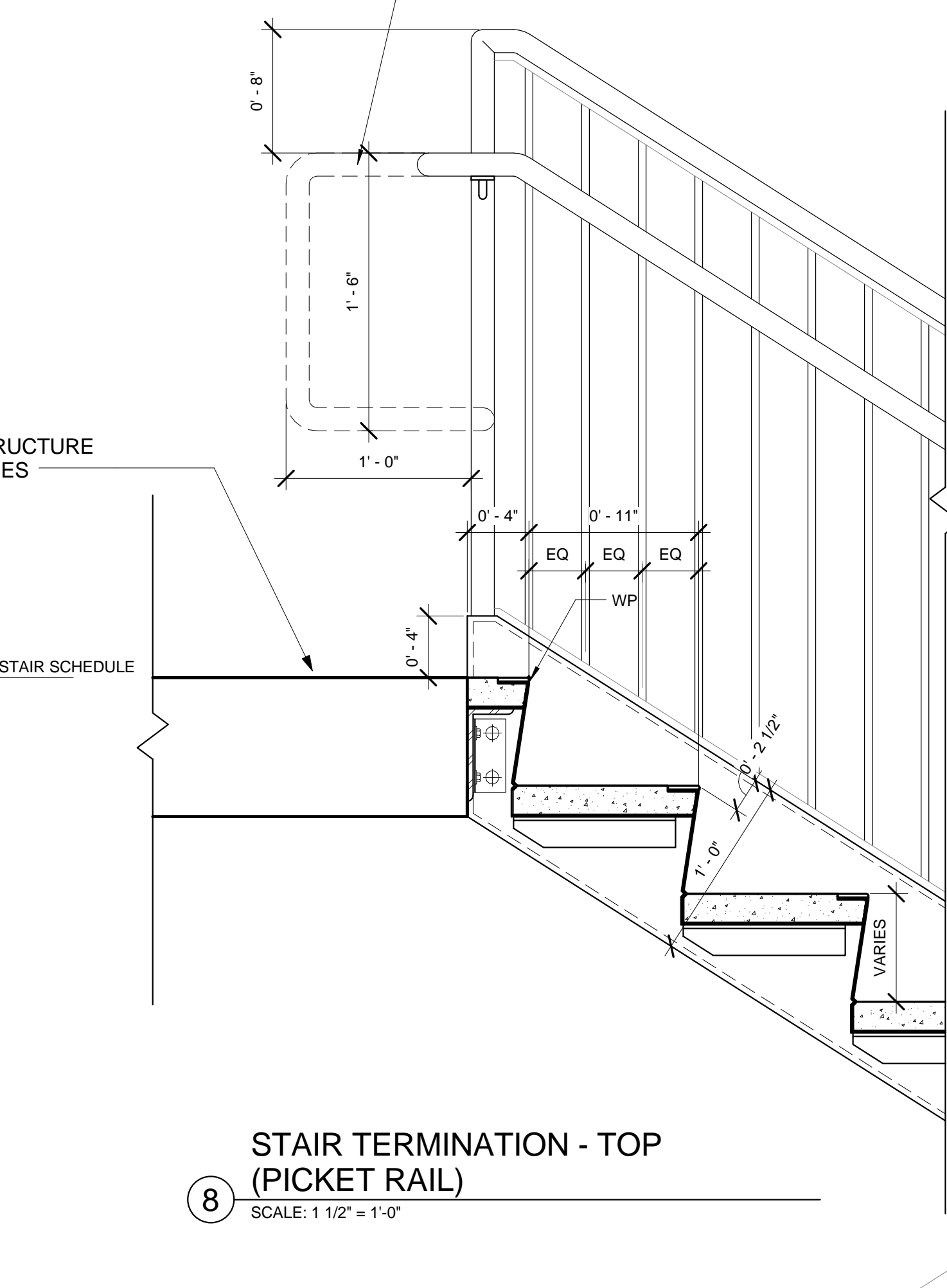
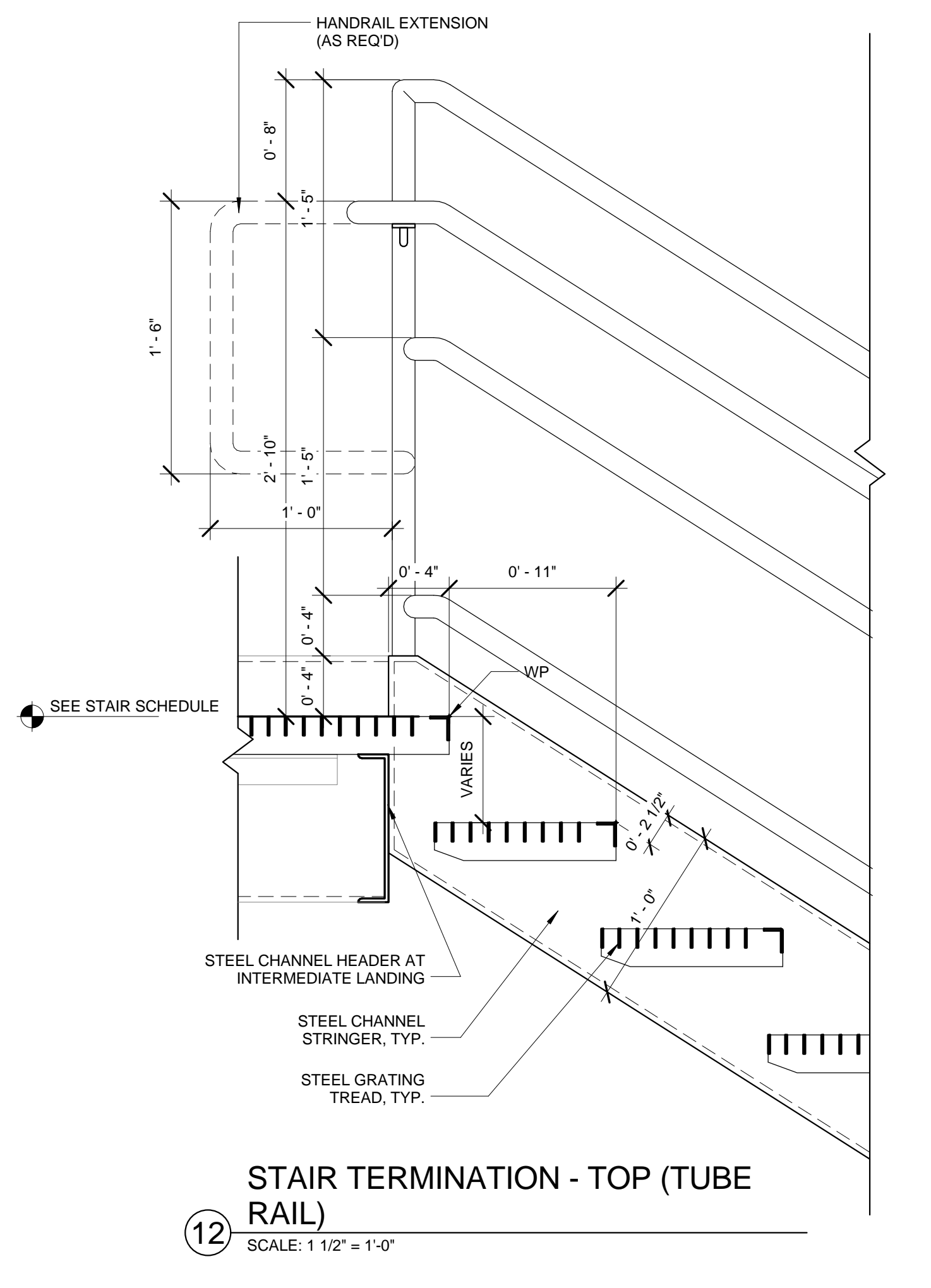
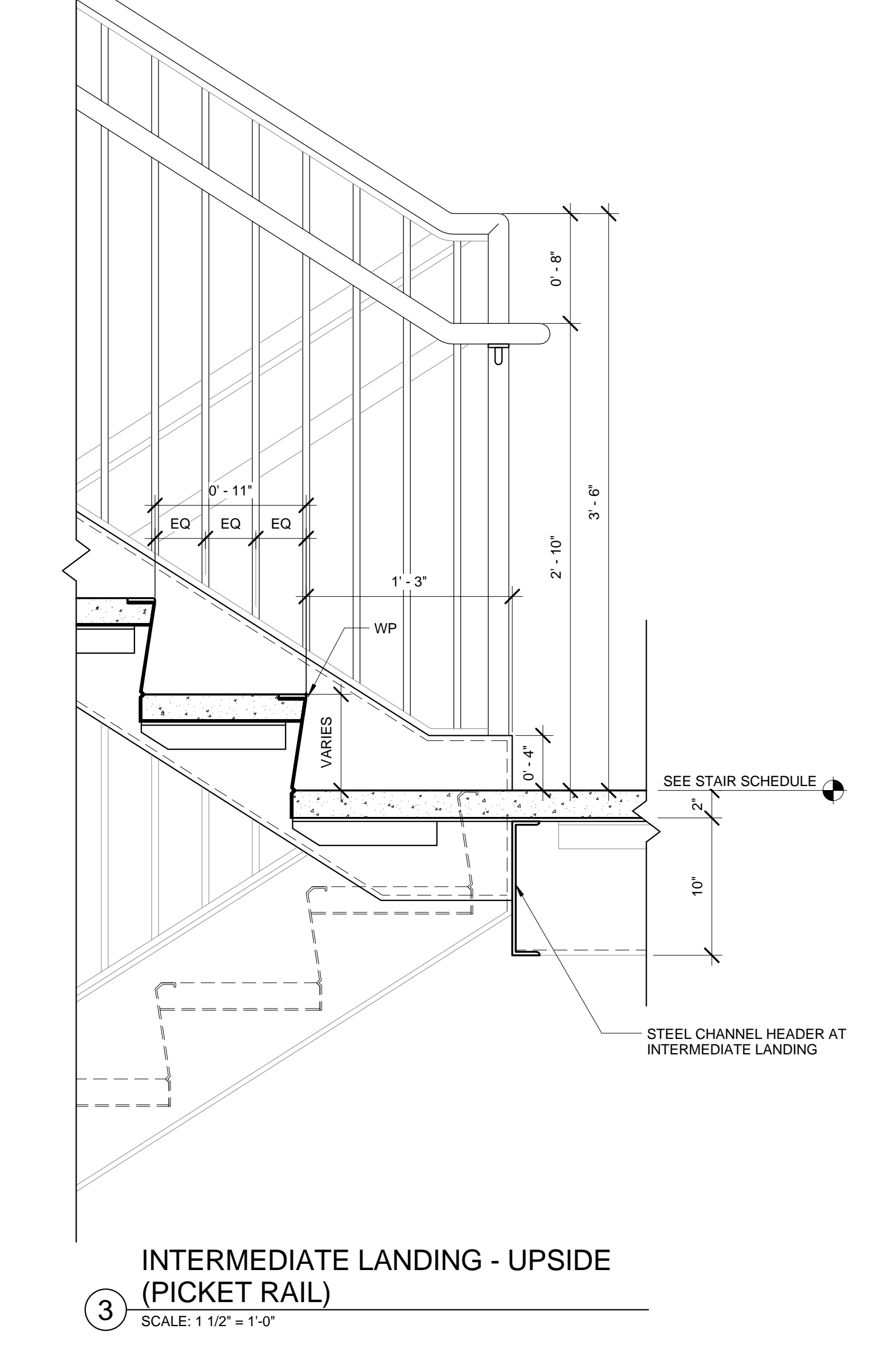
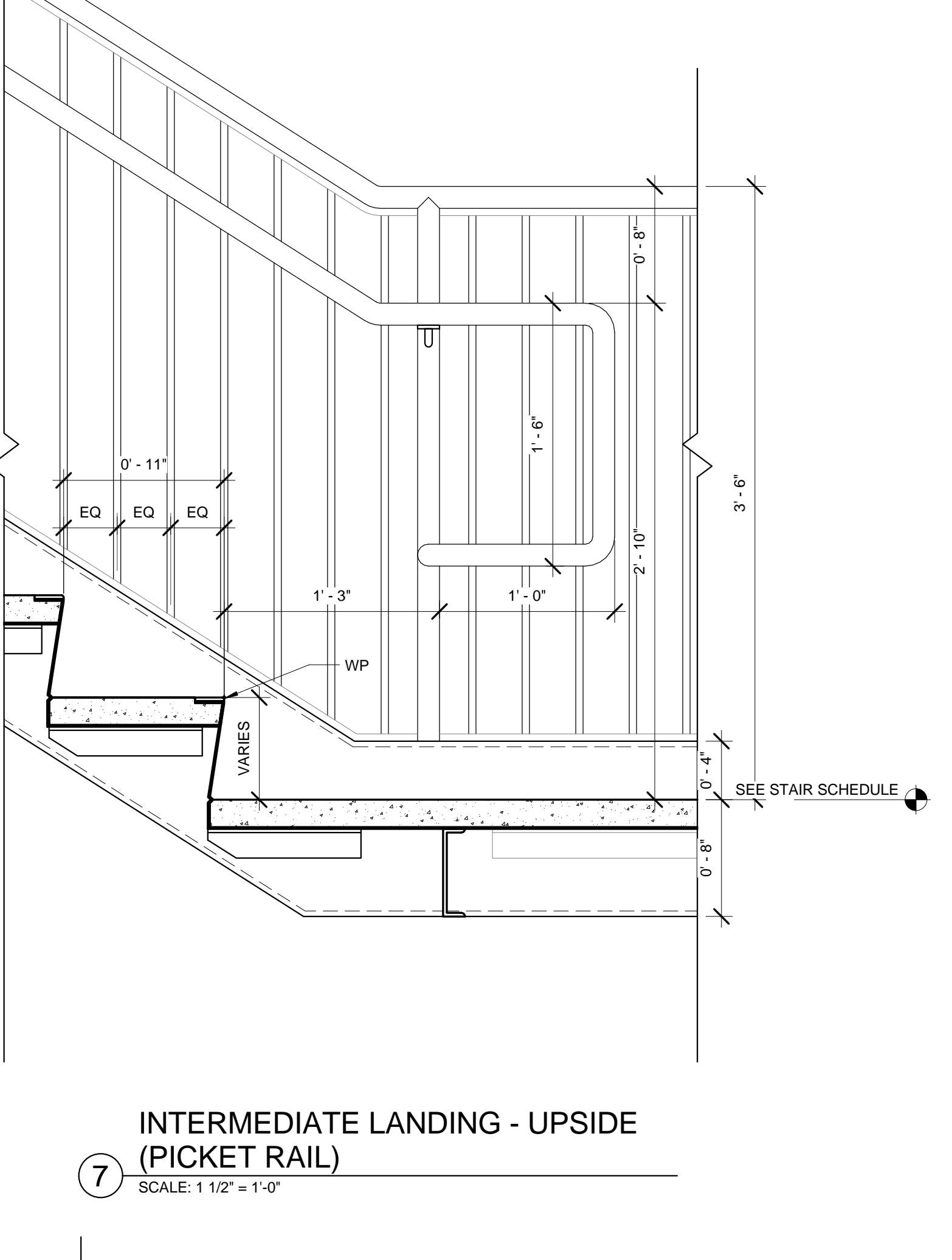
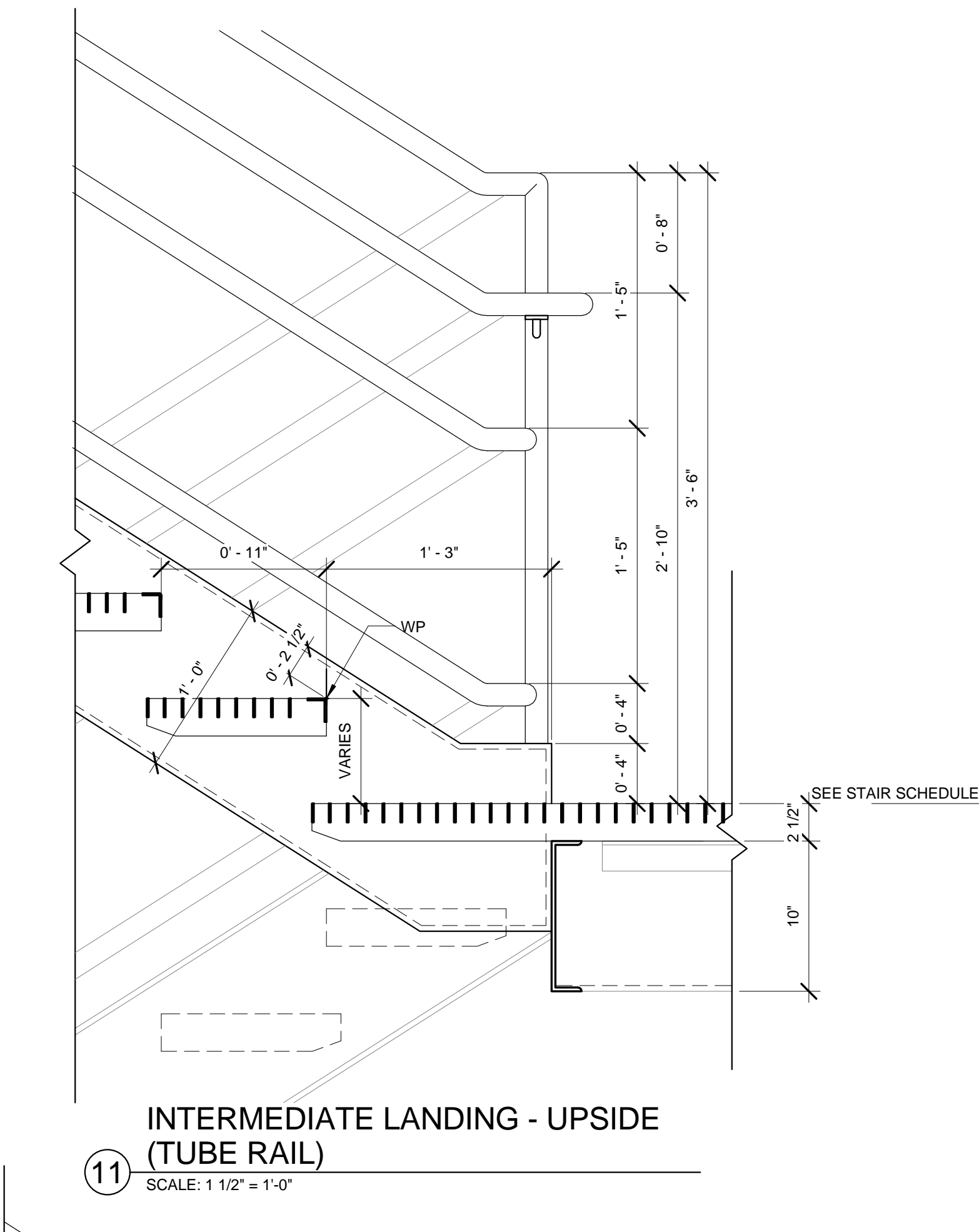
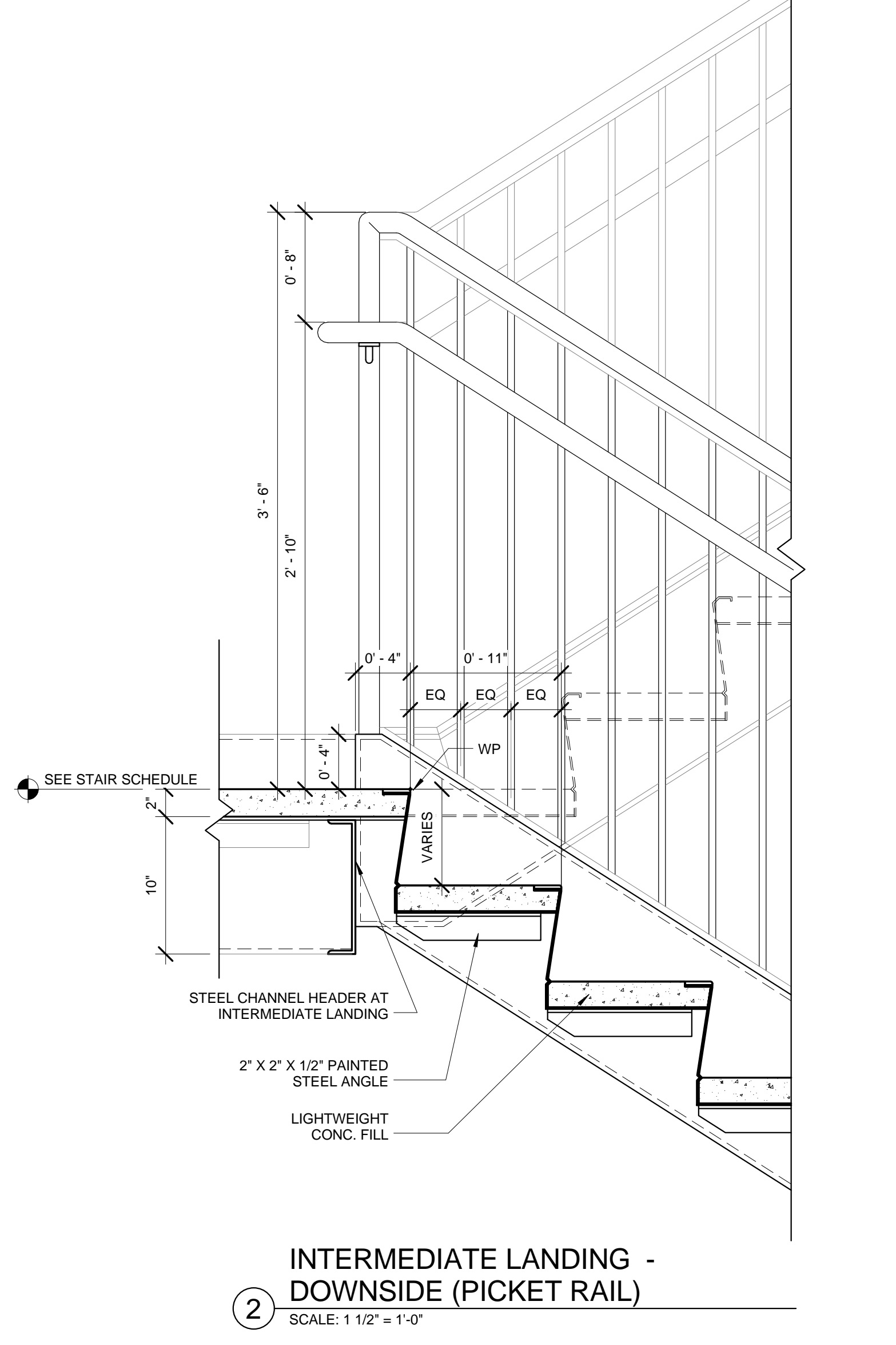
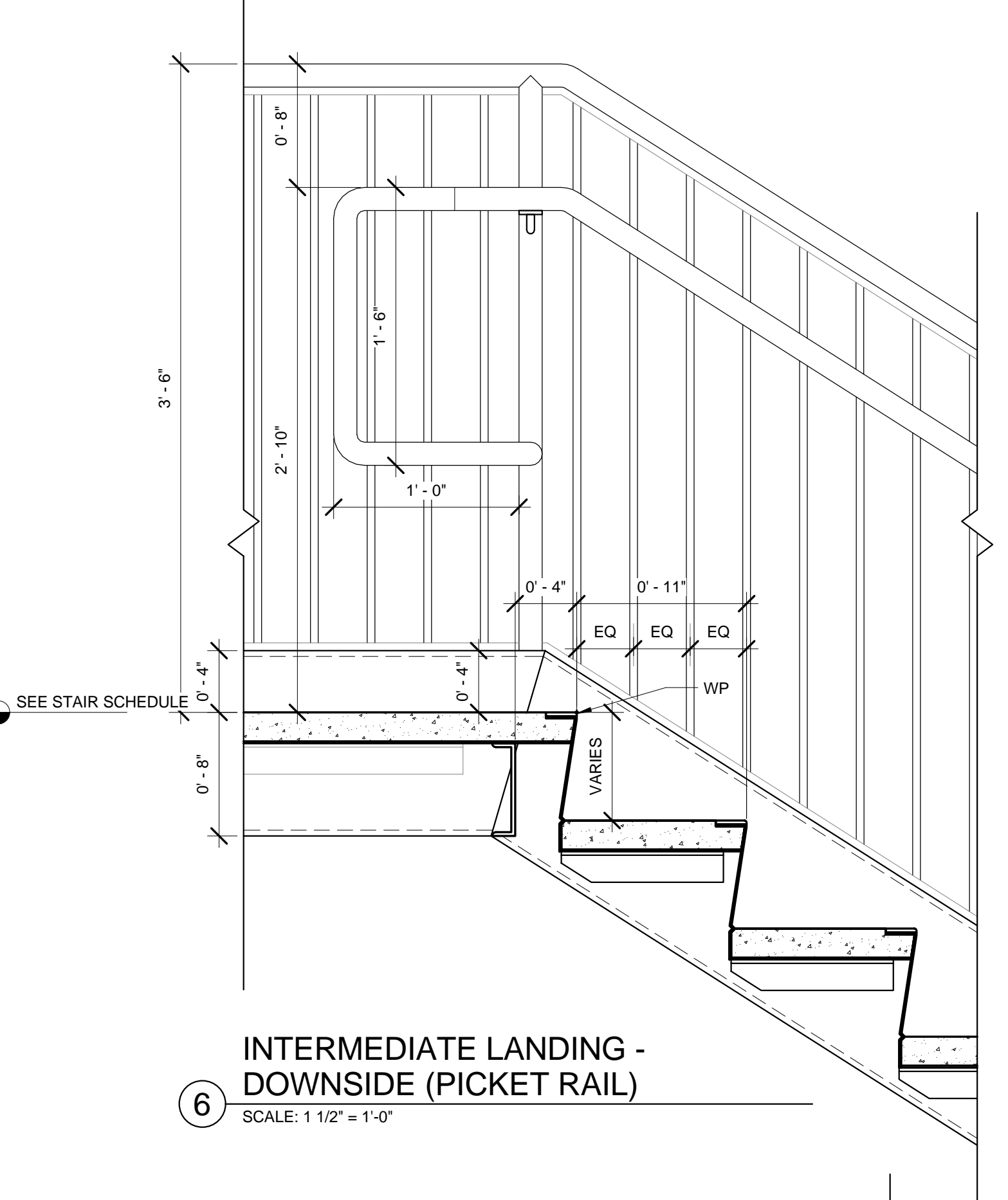
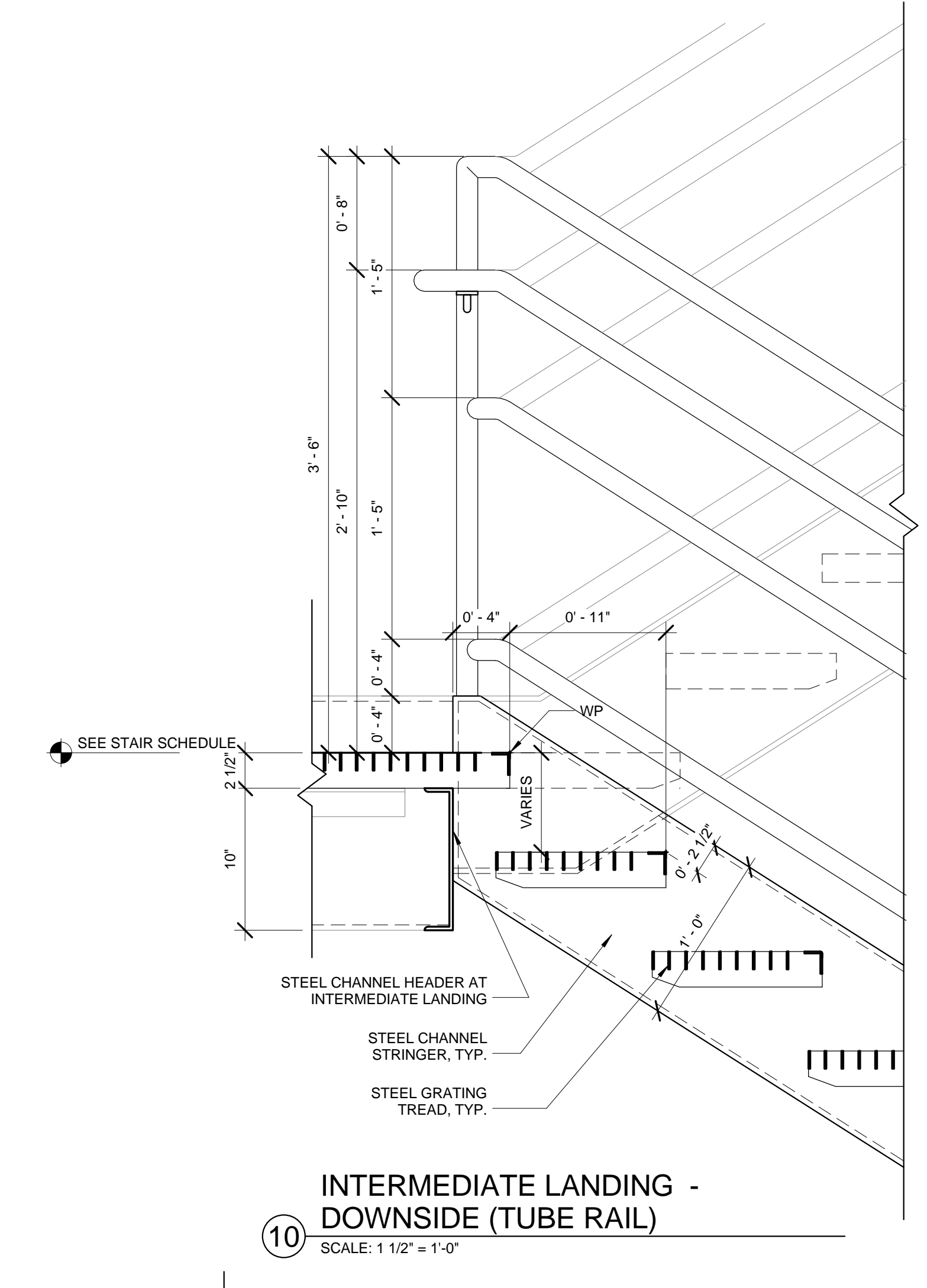
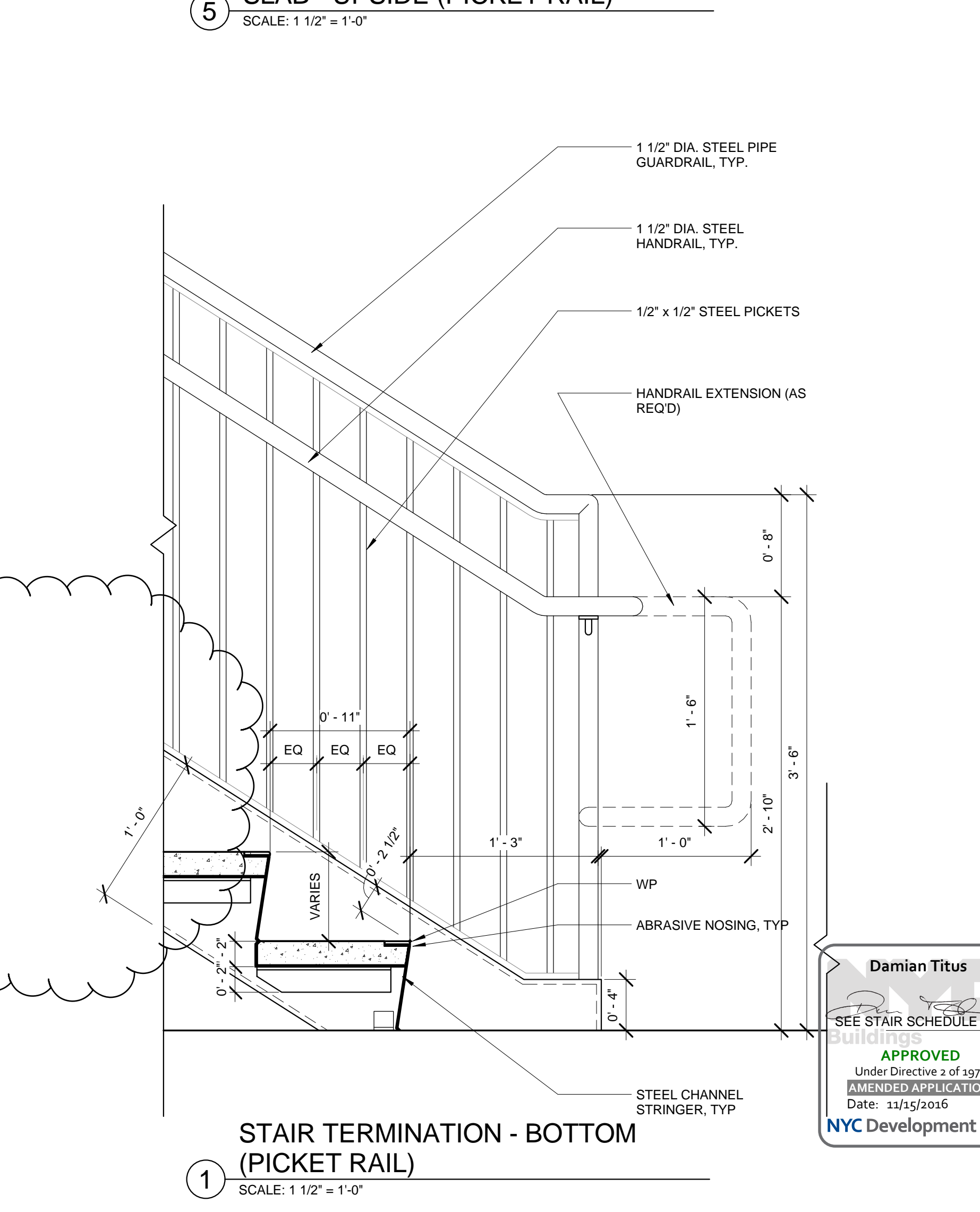
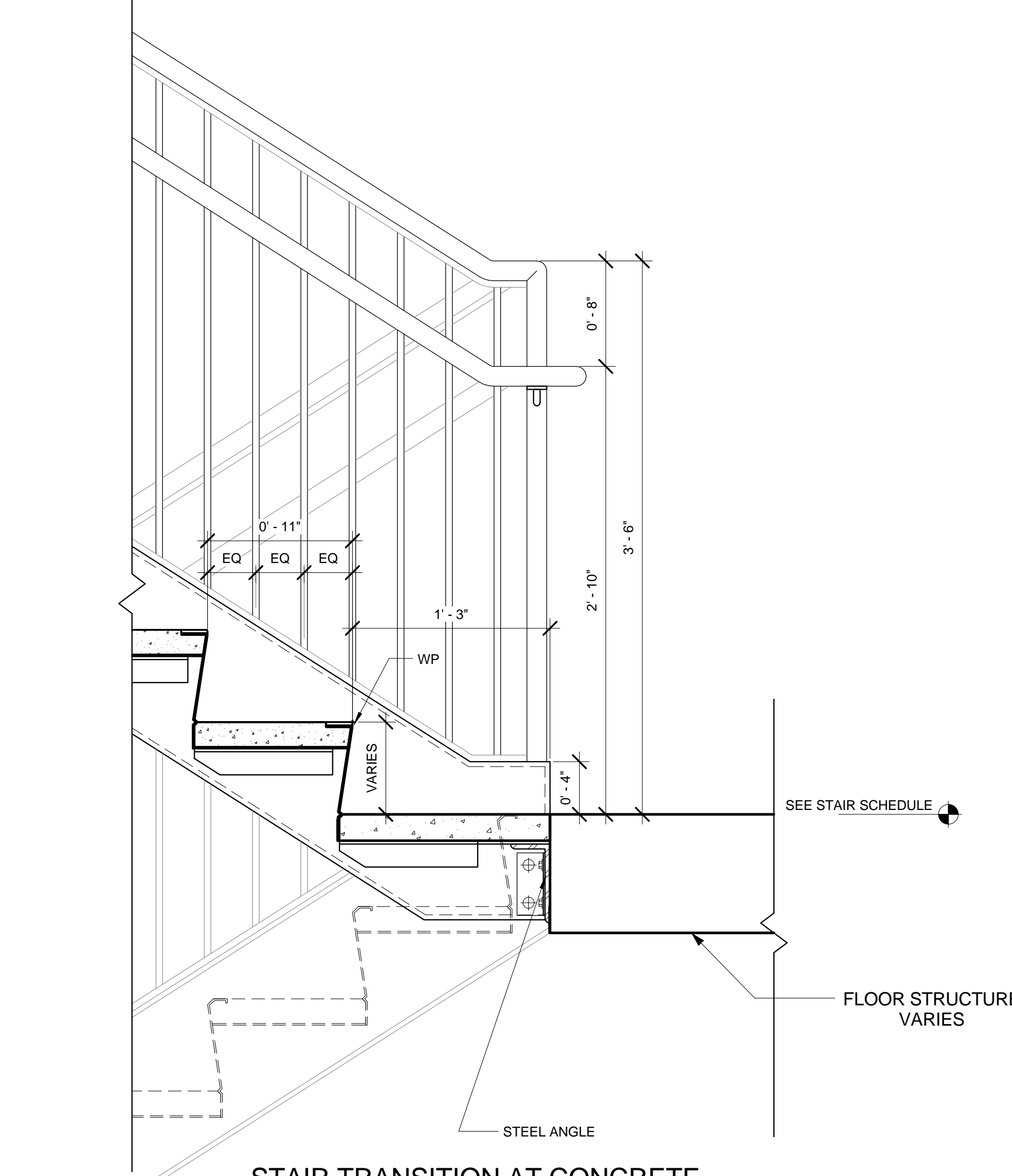
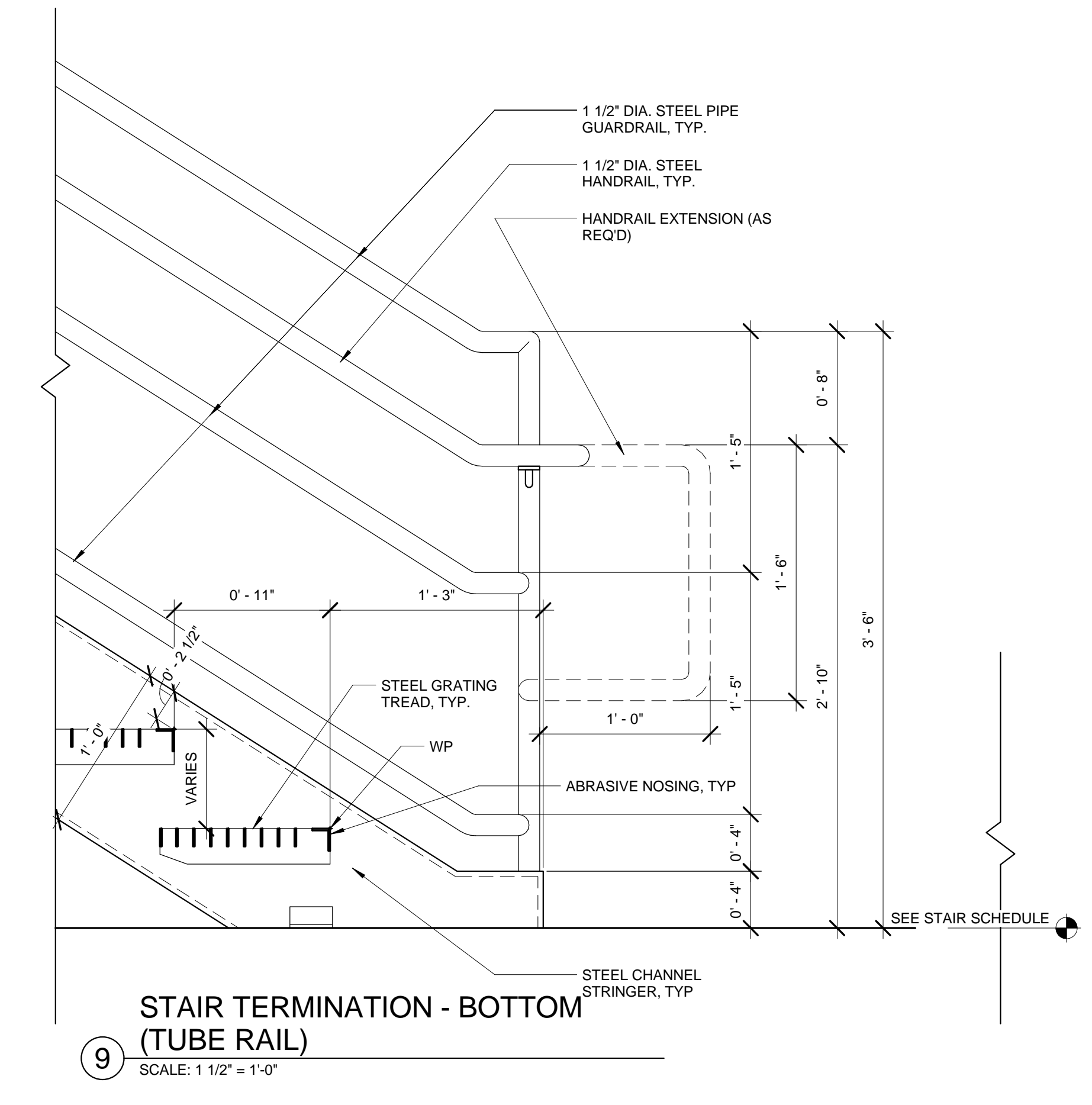
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| 13 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 12 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 11 | L.I.R.R. - M.o.E. Final 100% Design Submission for Record | 5/05/2015 |
| 10 | AS1-M-018 | 3/23/2015 |
| 9 | L.I.R.R. - Final 100% Design Submission for Record | 10/14/2014 |
| 8 | AS1-049 | 10/14/2014 |
| 7 | L.I.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 6 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 3/17/2014 |
| 5 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 4 | DOB SUBMISSION | 10/18/2013 |
| 3 | L.I.R.R. - 90% SUBMISSION | 8/09/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | Drawings | 0 |

| | | |
|----|----|----|
| 03 | 06 | 03 |
| 08 | 05 | 02 |
| 07 | 04 | 01 |

Date: 12/14/2012
Project No: 2108
Drawing No: HYE-MOE-A-520.00
HYE-PL-A-520.00

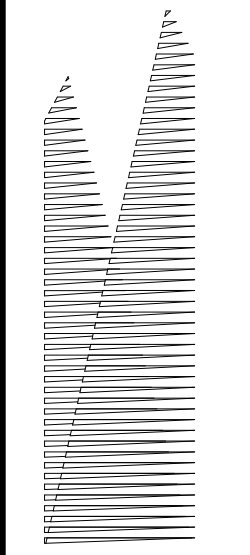
**TYPICAL STAIR
DETAILS**

Sheet Number
A-520.01



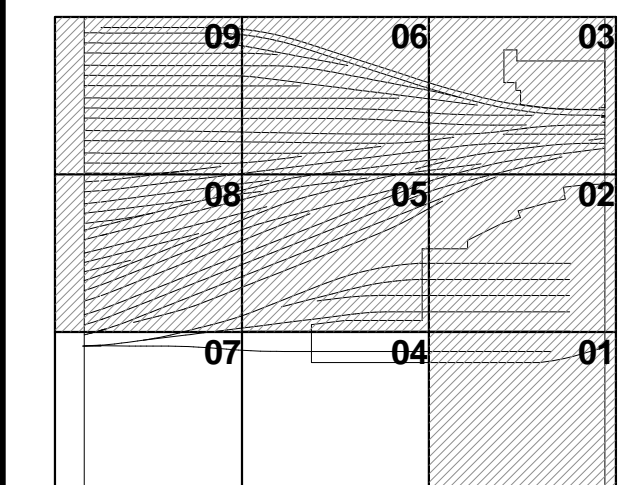
Damian Titus
APPROVED
Under Directive 2 of 2015
EXHIBIT TO THE RECORD DRAWING
Date: 11/15/2015
NYC Development Hub

A-520.01
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| 14 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 13 | AS-M-018 | 11/25/2015 |
| 12 | L.R.R. - Platform Permit Submission | 6/05/2015 |
| 11 | L.R.R. - M.o.E. Final 100% Design | 5/05/2015 |
| Submission for Record | | |
| 10 | AS-M-018 | 3/23/2015 |
| 9 | L.R.R. - Final 100% Design Submission | 10/14/2014 |
| for Record | | |
| 8 | AS-F-049 | 10/14/2014 |
| 7 | L.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 6 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 5 | L.R.R. - Pre-Final 100% Mod. | 5/2/2014 |
| SUBMISSION | | |
| 4 | L.R.R. - Pre-Final 100% | 11/22/2013 |
| M.E. PLATFORM SUBMISSION | | |
| 3 | DOB SUBMISSION | 10/18/2013 |
| 2 | L.R.R. - 90% SUBMISSION | 8/09/2013 |
| 1 | NYC DOB Filing | 6/17/2013 |
| 0 | L.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | As Noted | 5/29/2013 |

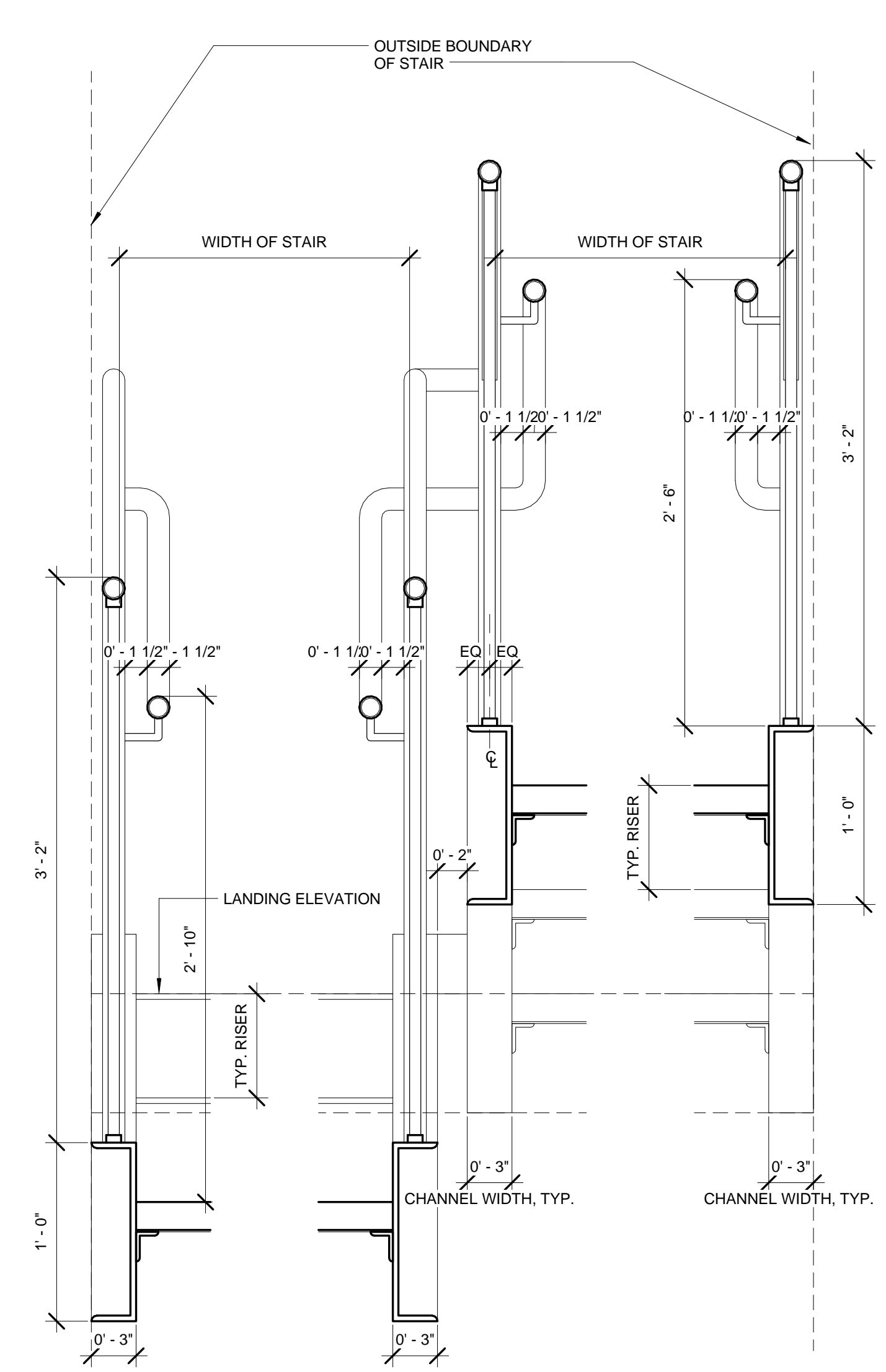
Rev. Plot



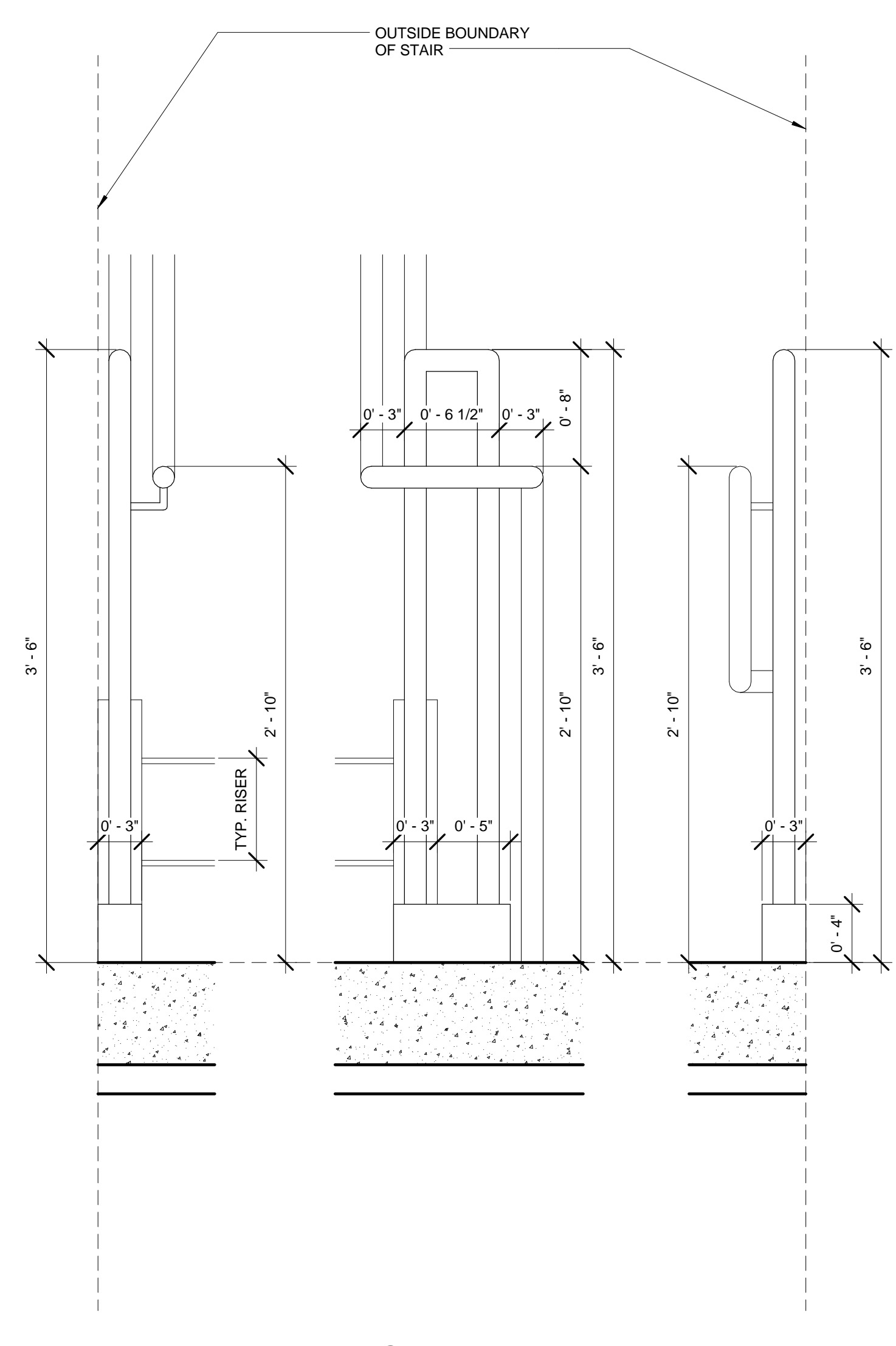
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Project No: 2119
Drawing No: HYE-MOE-A-521.00
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**TYPICAL STAIR
DETAILS**

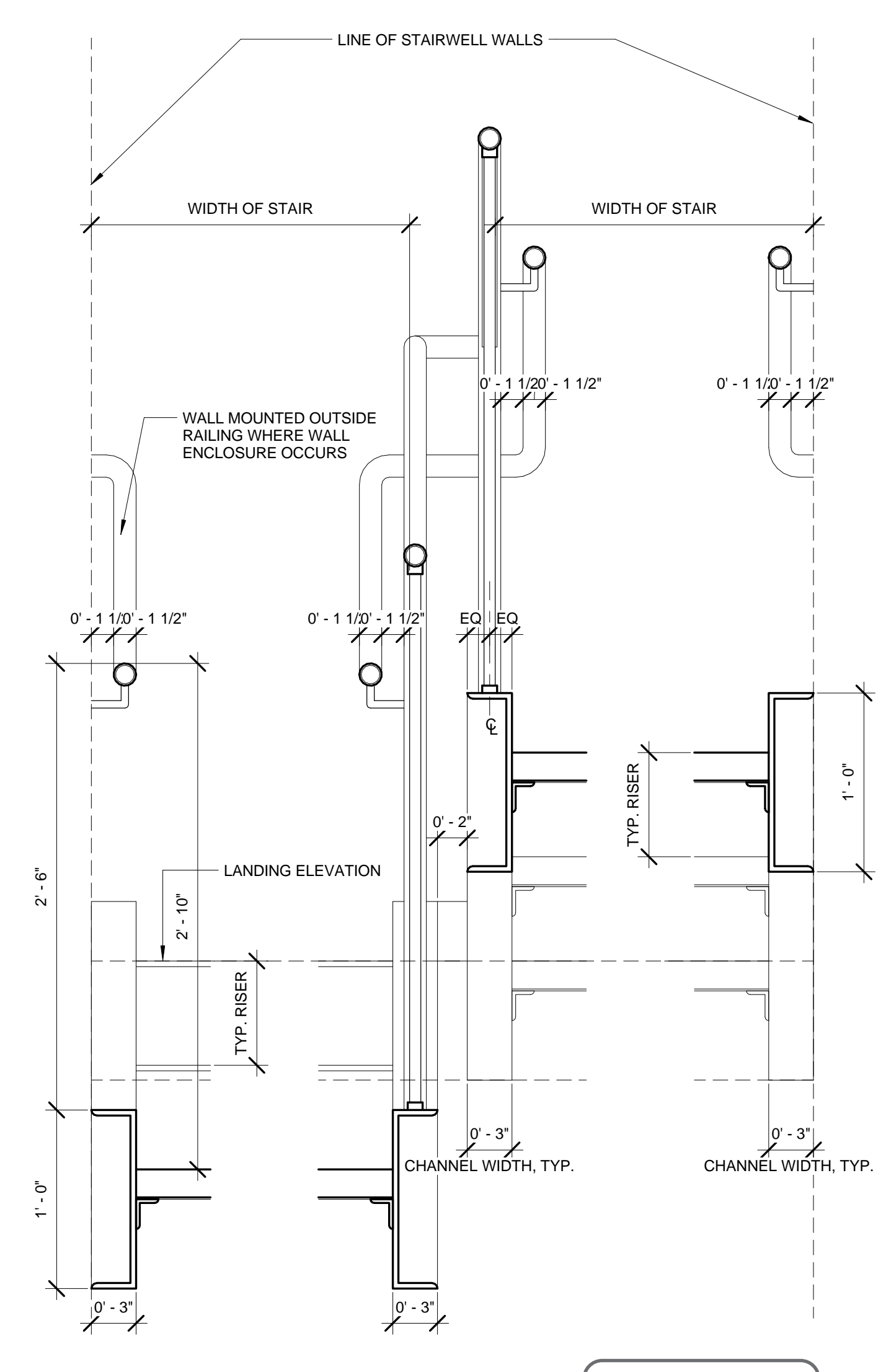
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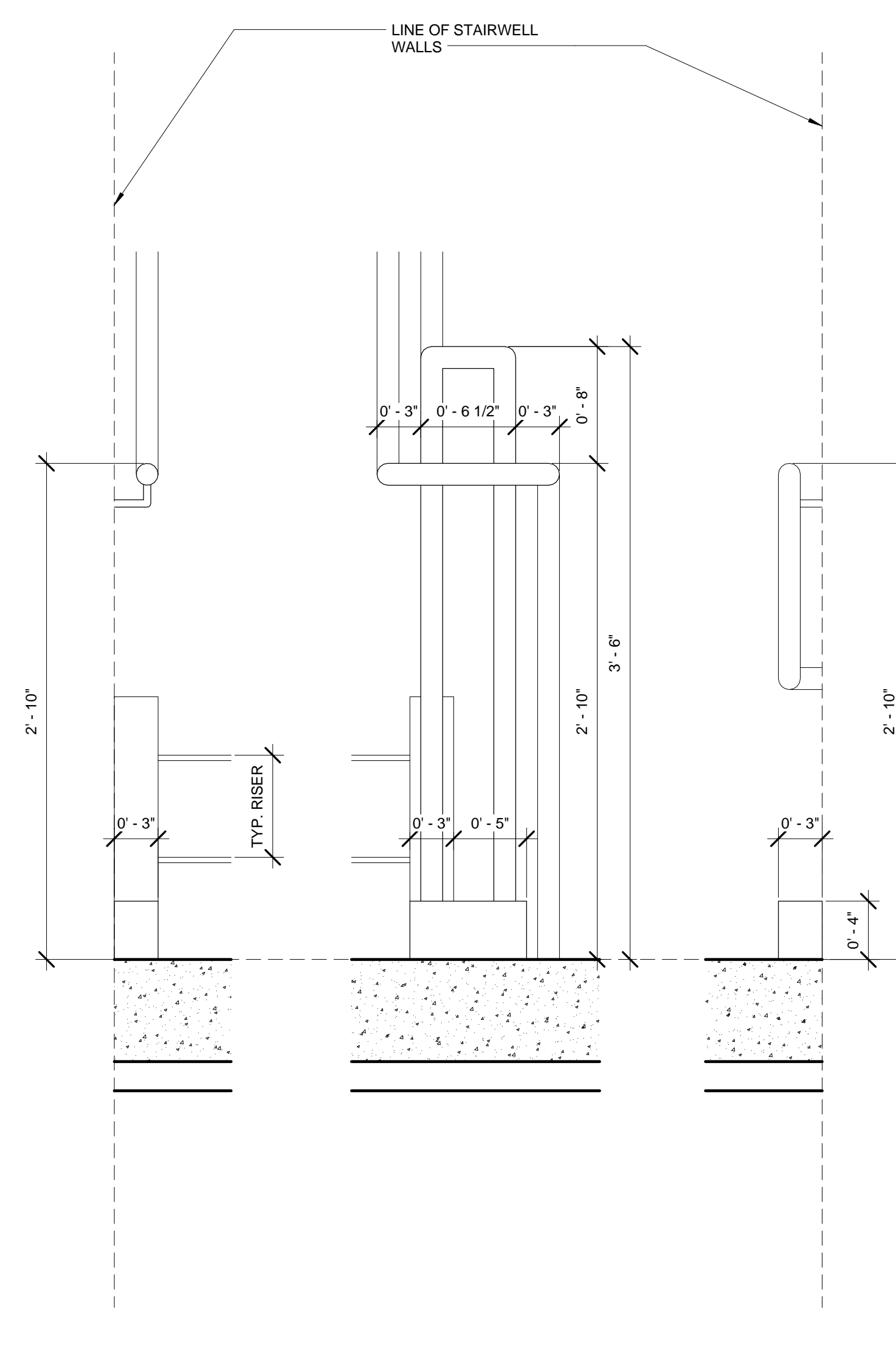
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SCALE: 1 1/2" = 1'-0"



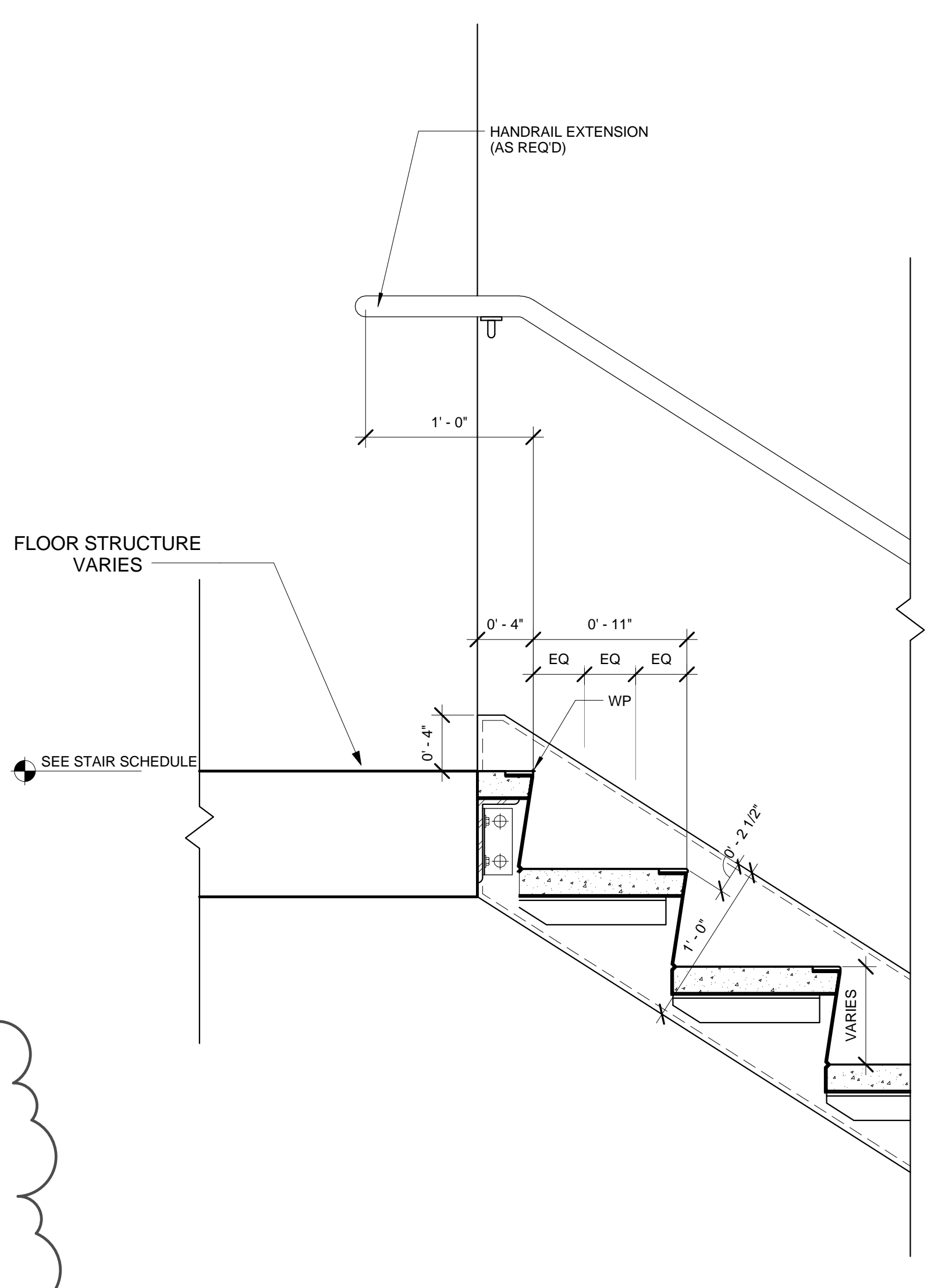
4 HANDRAIL & GUARDRAIL CONTINUATION AT LANDING (NO WALL ENCLOSURE)
SCALE: 1 1/2" = 1'-0"



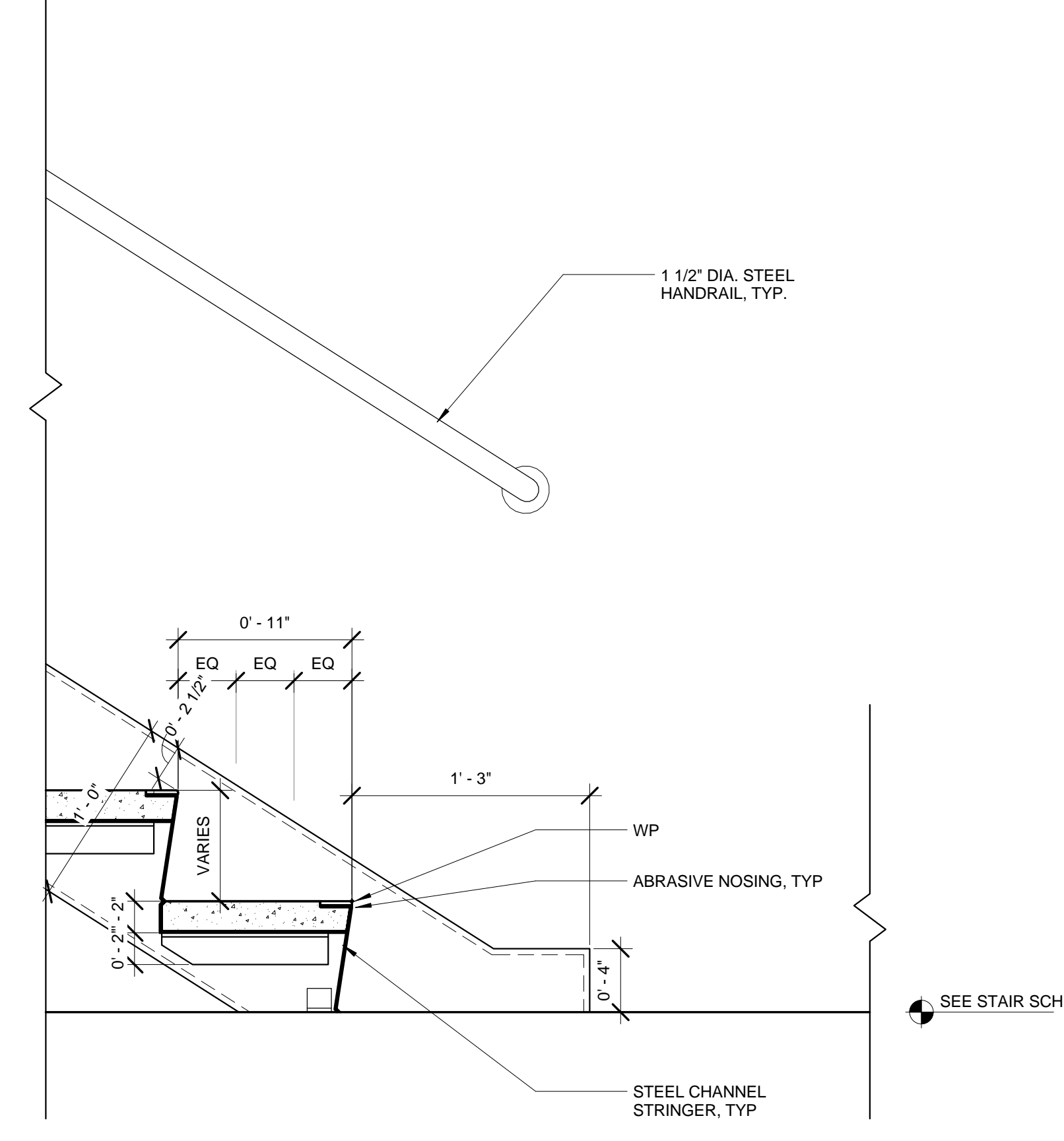
1 TYP. CROSS-SECTION THROUGH STAIR (WALL ENCLOSURE)
SCALE: 1 1/2" = 1'-0"



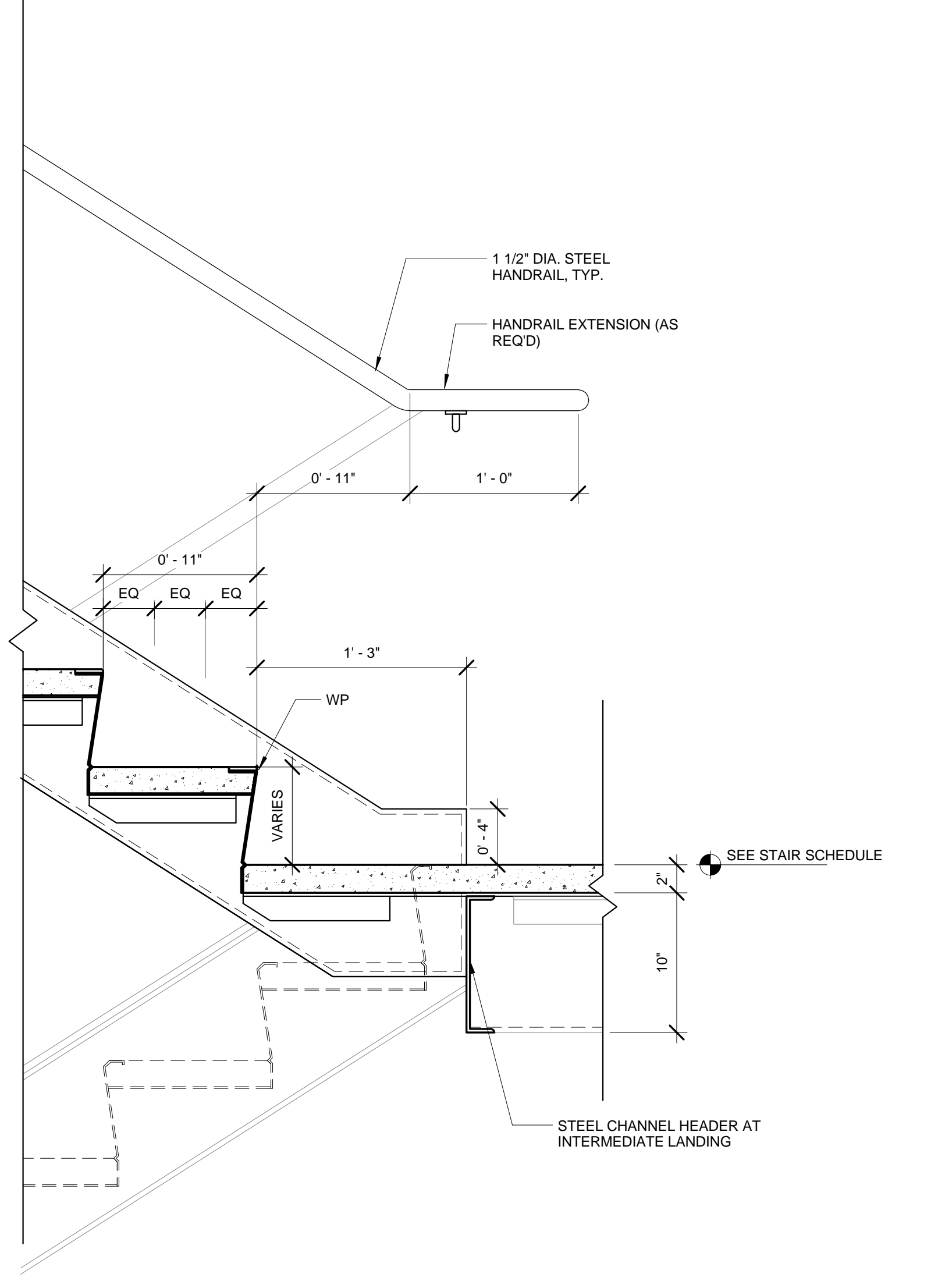
3 HANDRAIL & GUARDRAIL CONTINUATION AT LANDING (WALL ENCLOSURE)
SCALE: 1 1/2" = 1'-0"



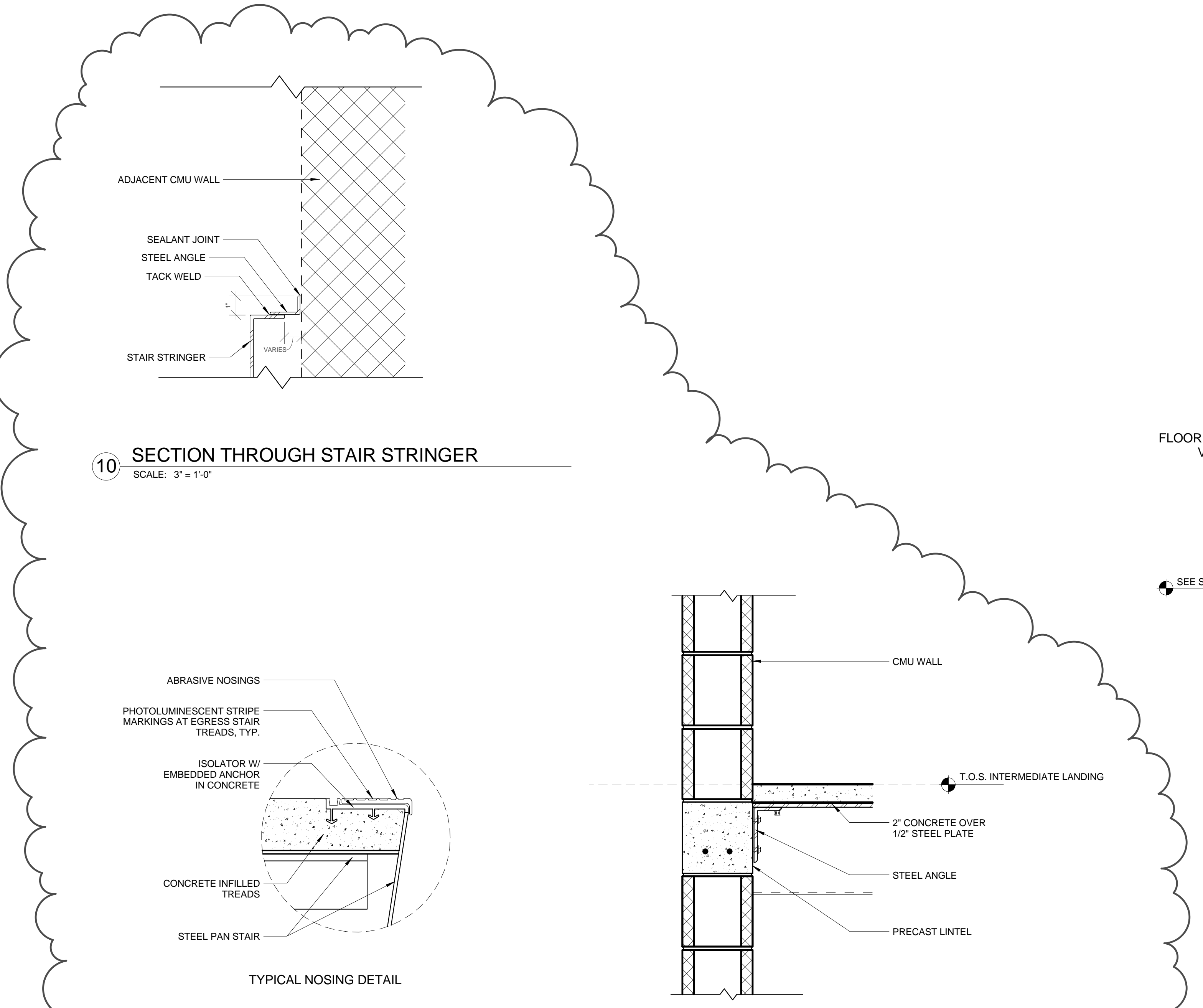
6 STAIR TERMINATION - TOP (WALL MOUNTED)
SCALE: 1 1/2" = 1'-0"



5 STAIR TERMINATION - BOTTOM (WALL MOUNTED)
SCALE: 1 1/2" = 1'-0"



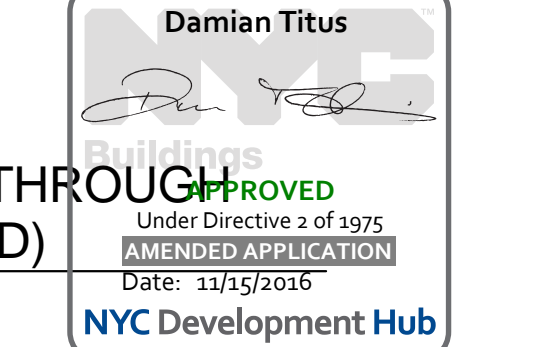
7 INTERMEDIATE LANDING - UPSIDE (WALL MOUNTED)
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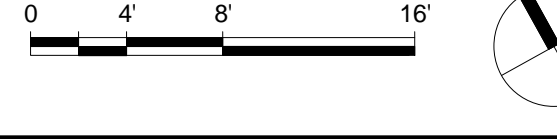
10 SECTION THROUGH STAIR STRINGER
SCALE: 3" = 1'-0"

9 TYPICAL NOSING DETAIL
SCALE: 1 1/2" = 1'-0"

8 INTERMEDIATE STAIR LANDING DETAIL (CMU)
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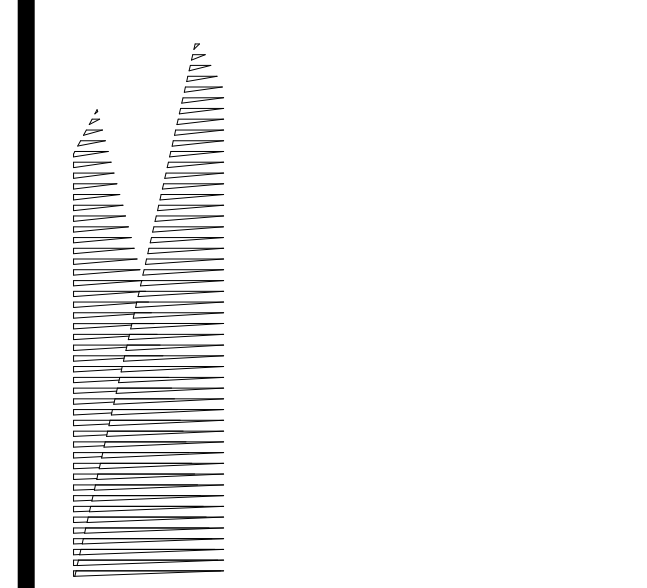


Damian Titus
REGISTERED ARCHITECT
No. 11572, State of New York
Date: 11/5/2016
NYC Development Hub



HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY



Client
Related Companies
60 Columbus Circle
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TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
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51 Madison Avenue
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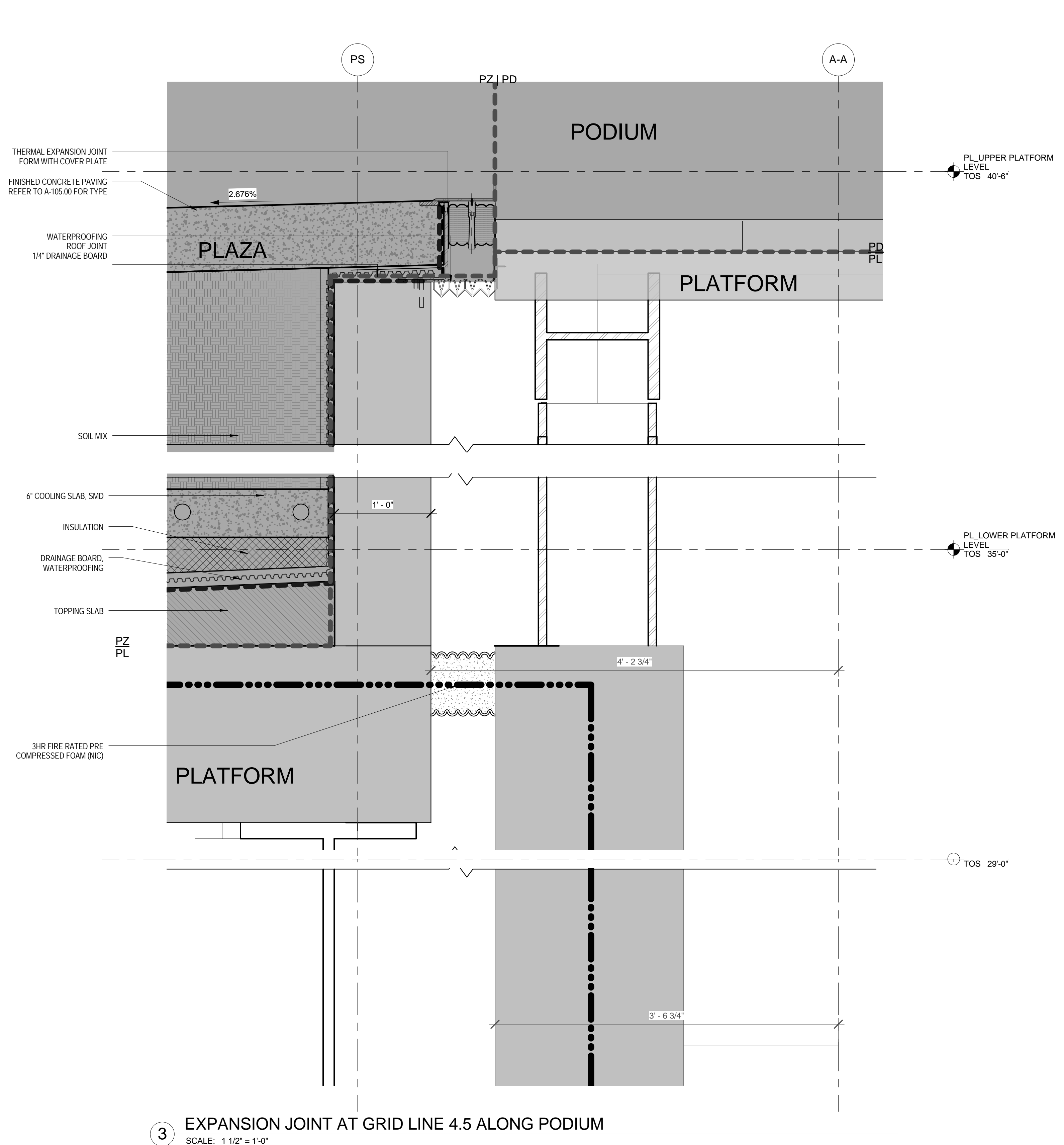
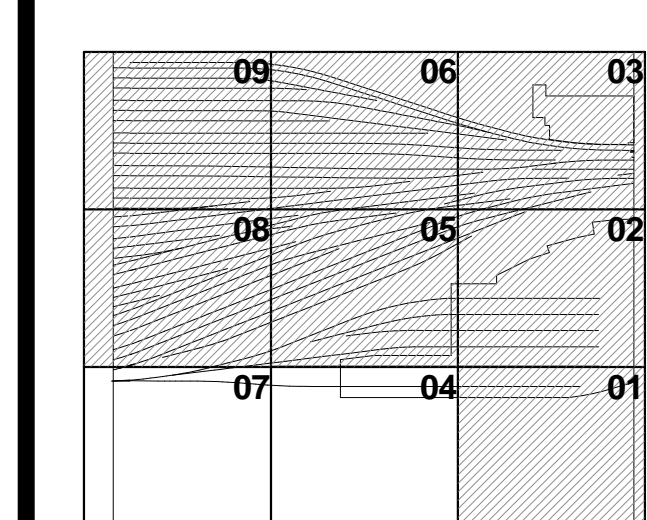
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

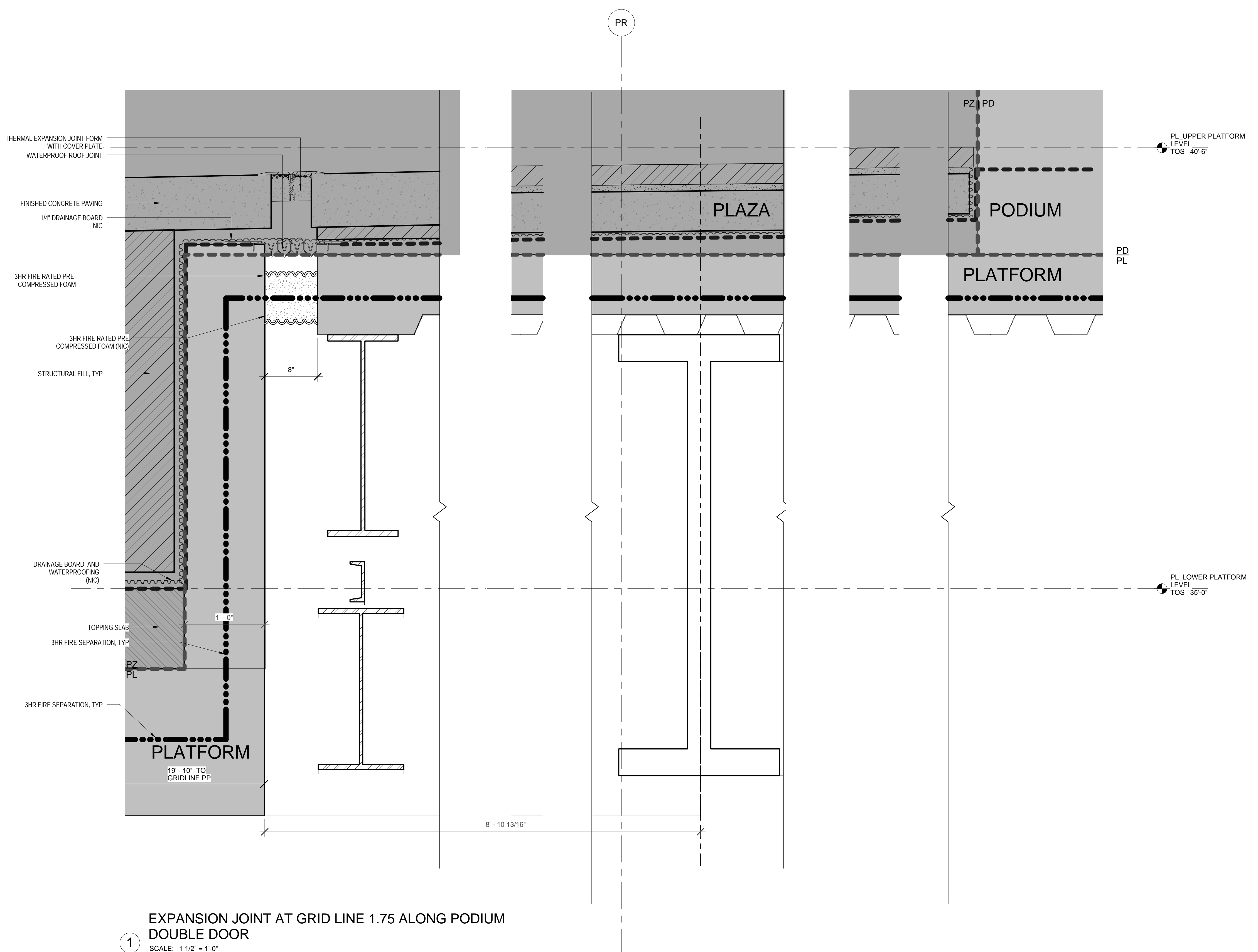
LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9200 FAX: 212.682.6172

| No. | Description | Date |
|-----|-----------------------------------|------------|
| 3 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 2 | LIRR - Platform Permit Submission | 6/16/2015 |
| 1 | ASL0066 | 3/18/2015 |

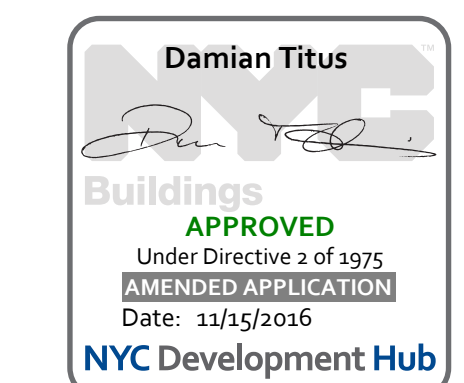
Rev. Plan



3 EXPANSION JOINT AT GRID LINE 4.5 ALONG PODIUM
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1 EXPANSION JOINT AT GRID LINE 1.75 ALONG PODIUM
DOUBLE DOOR
SCALE: 1/12" = 1'-0"

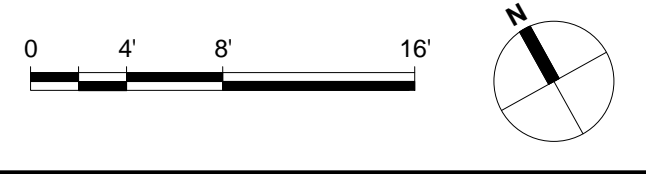


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Project No: 2158
Drawn By: [Signature]
Sheet Number: [Signature]

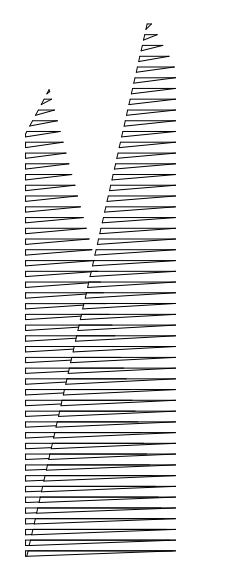
HYE - PL - A-583.00

EXPANSION JOINT
DETAILS - TOWER A
AND PODIUM

Drawing Number:
A-583.00



4-653.00
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EXPANSION JOINT DETAILS - TOWER A AND PODIUM
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Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
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New York, NY 10001
TEL: 646.569.4200

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Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

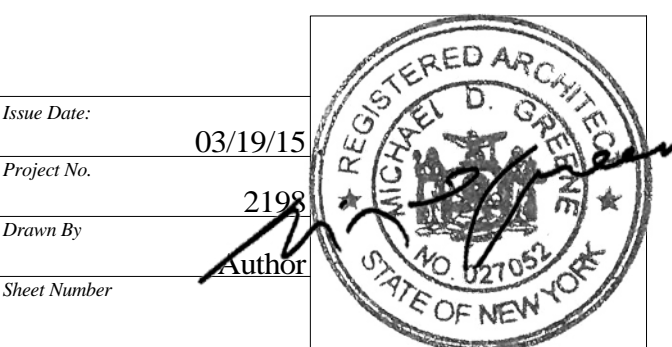
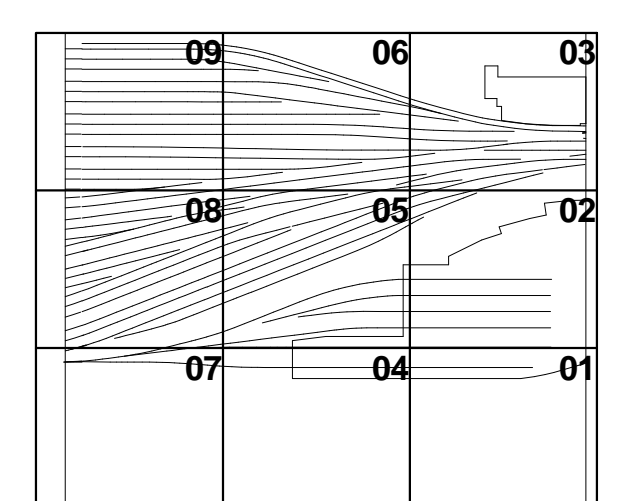
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIBR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIBR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9200 FAX: 212.682.6172

| | | |
|---|-----------------------------------|------------|
| 3 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 2 | LIBR - Platform Permit Submission | 6/16/2015 |
| 1 | ASL-066 | 3/18/2015 |
| | Author | |
| | Checker | |
| | Designer | |

Rev. Plot

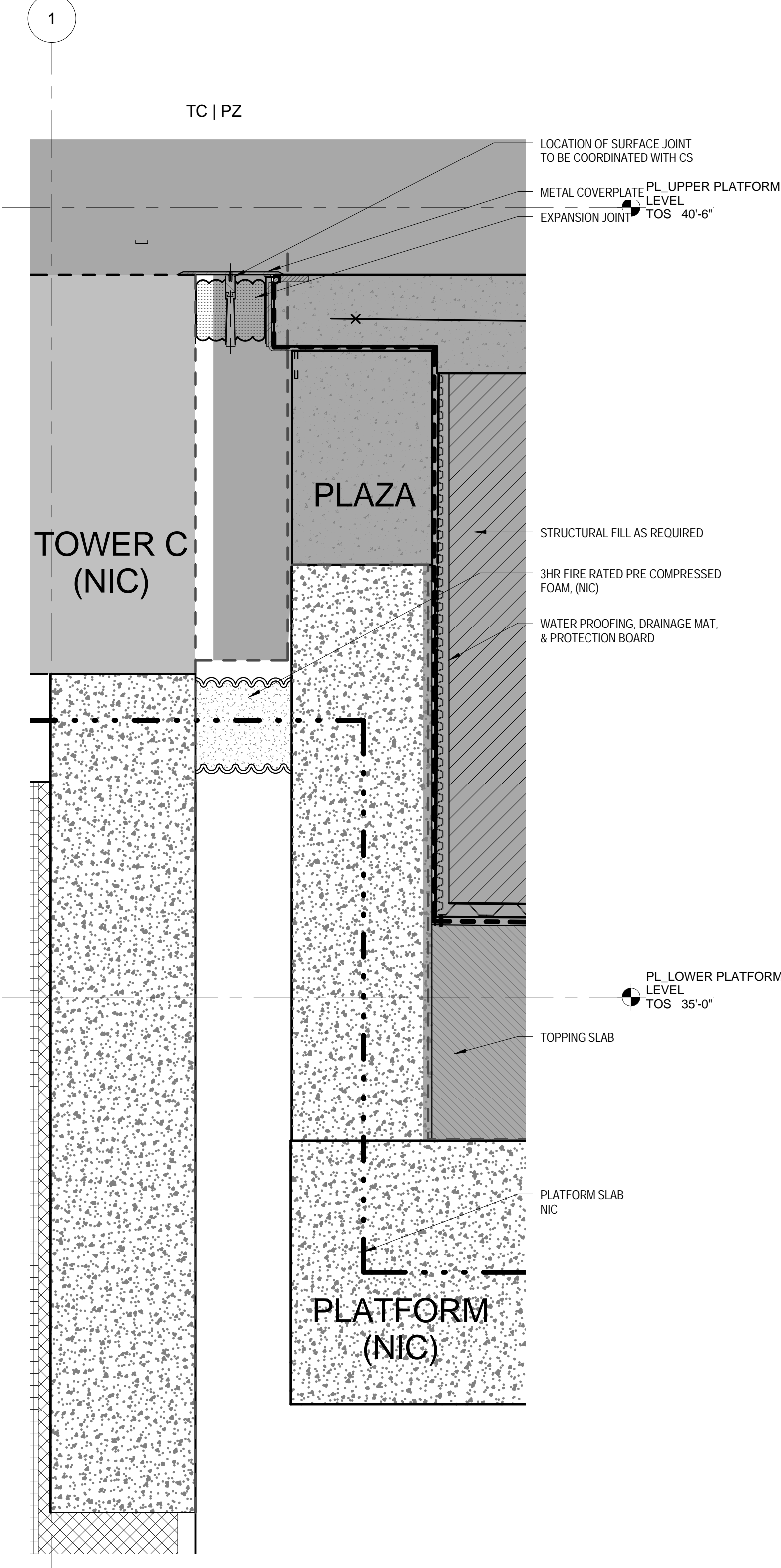
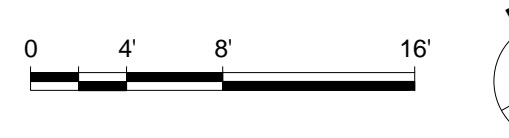
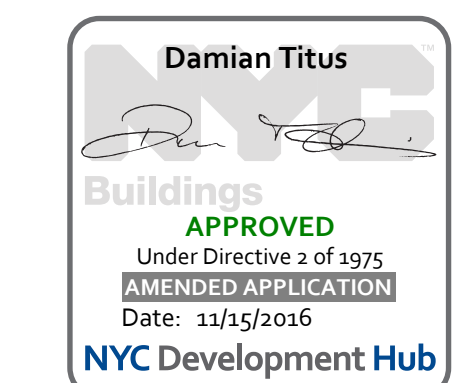


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Project No: 2198
Drawing No: 1100
Sheet Number: 1100

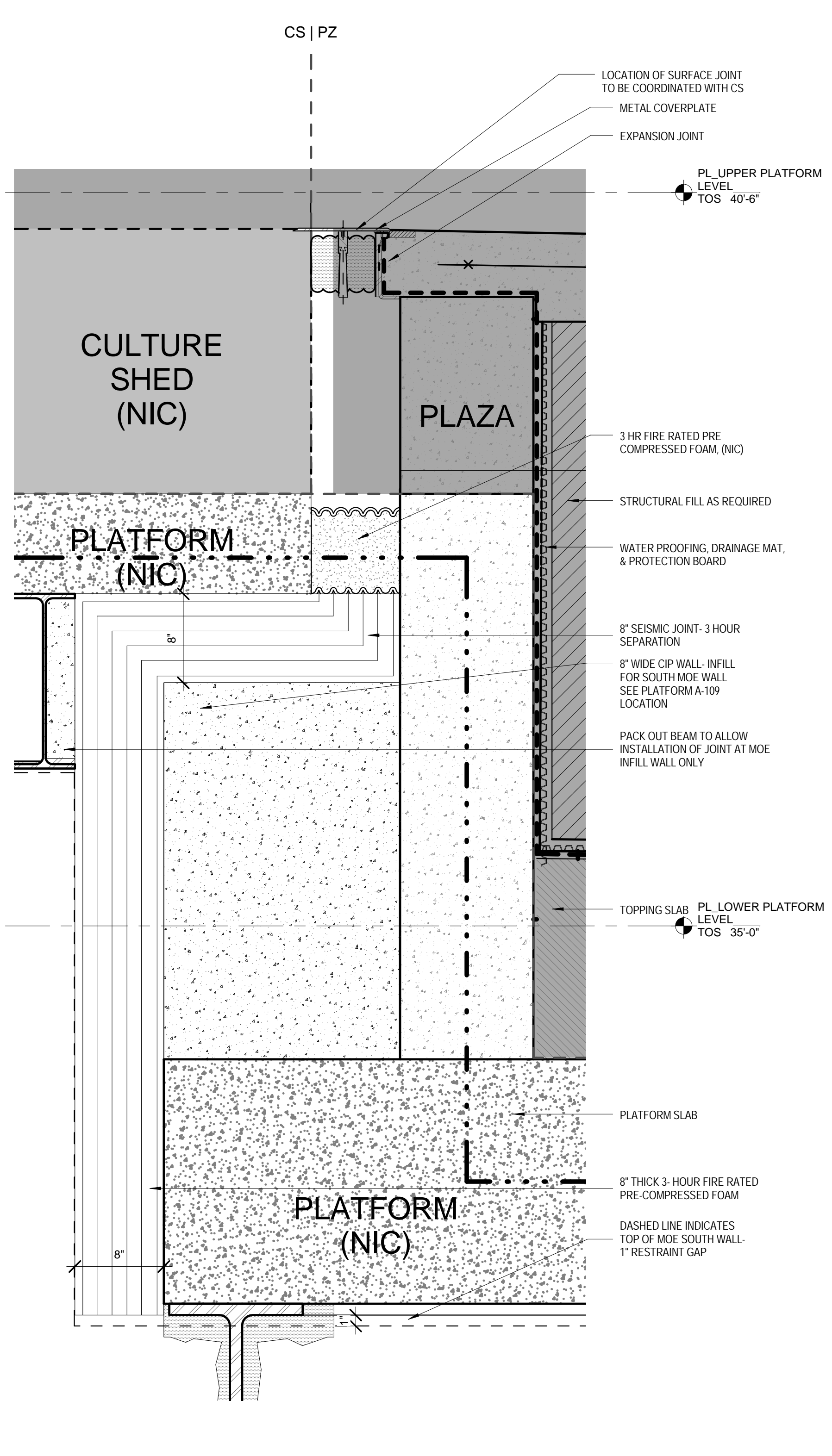
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**EXPANSION JOINT
DETAILS - CULTURE
SHED**

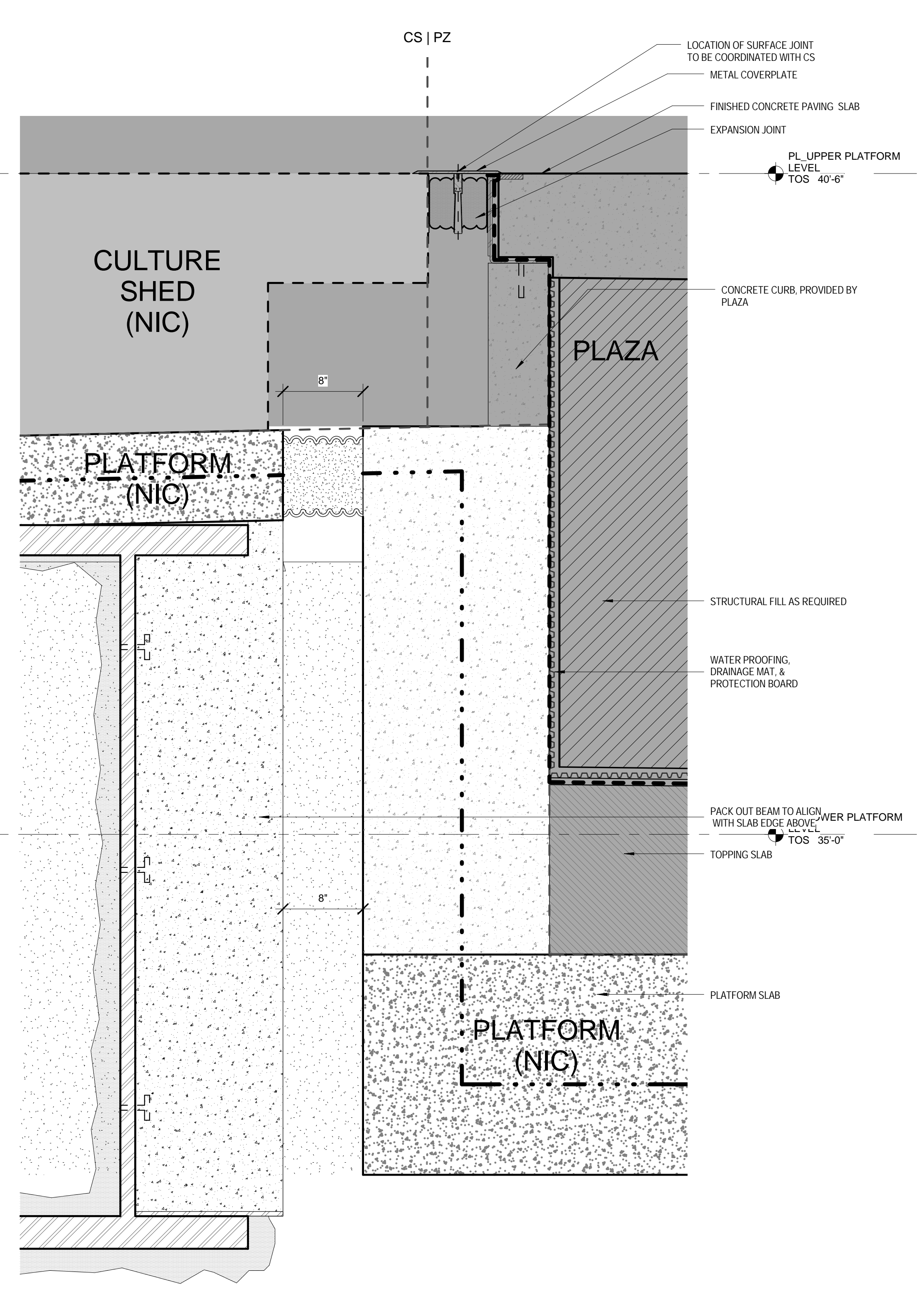
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A-584.00



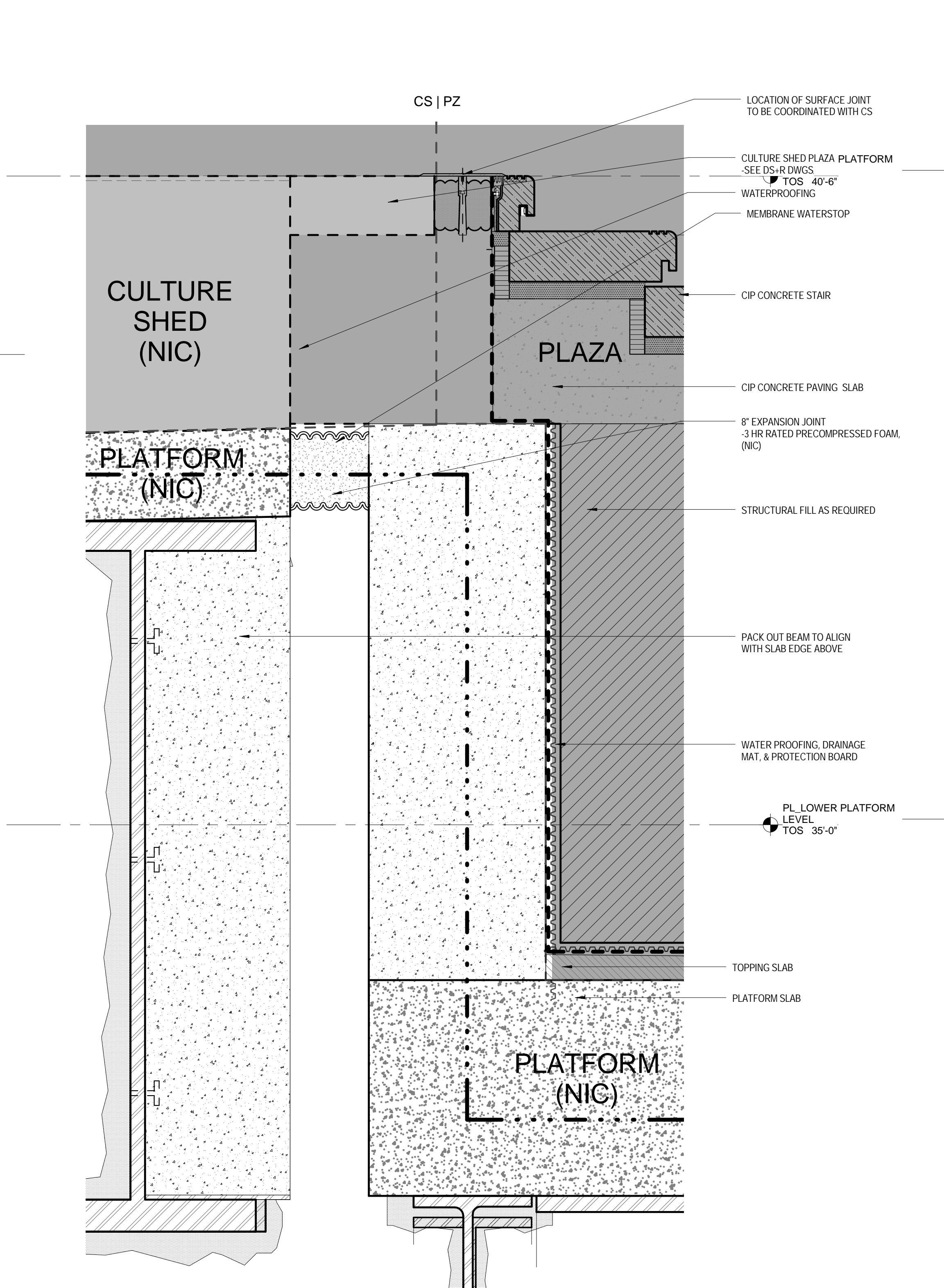
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2 ENLARGED DETAIL OF EXPANSION JOINT AT GL 2.1 FACING N
SCALE: 1/12" = 1'-0"



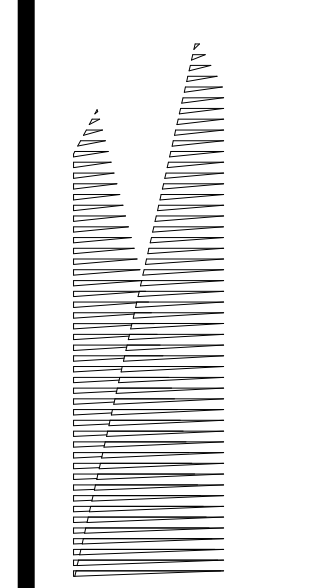
3 ENLARGED DETAIL OF EXPANSION JOINT AT GL PN FACING W
SCALE: 1/12" = 1'-0"



4 ENLARGED DETAIL OF EXPANSION JOINT AT GL PL FACING W
SCALE: 1/12" = 1'-0"

HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY



Client:
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager:
Tutor Perini Building Corporation
340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

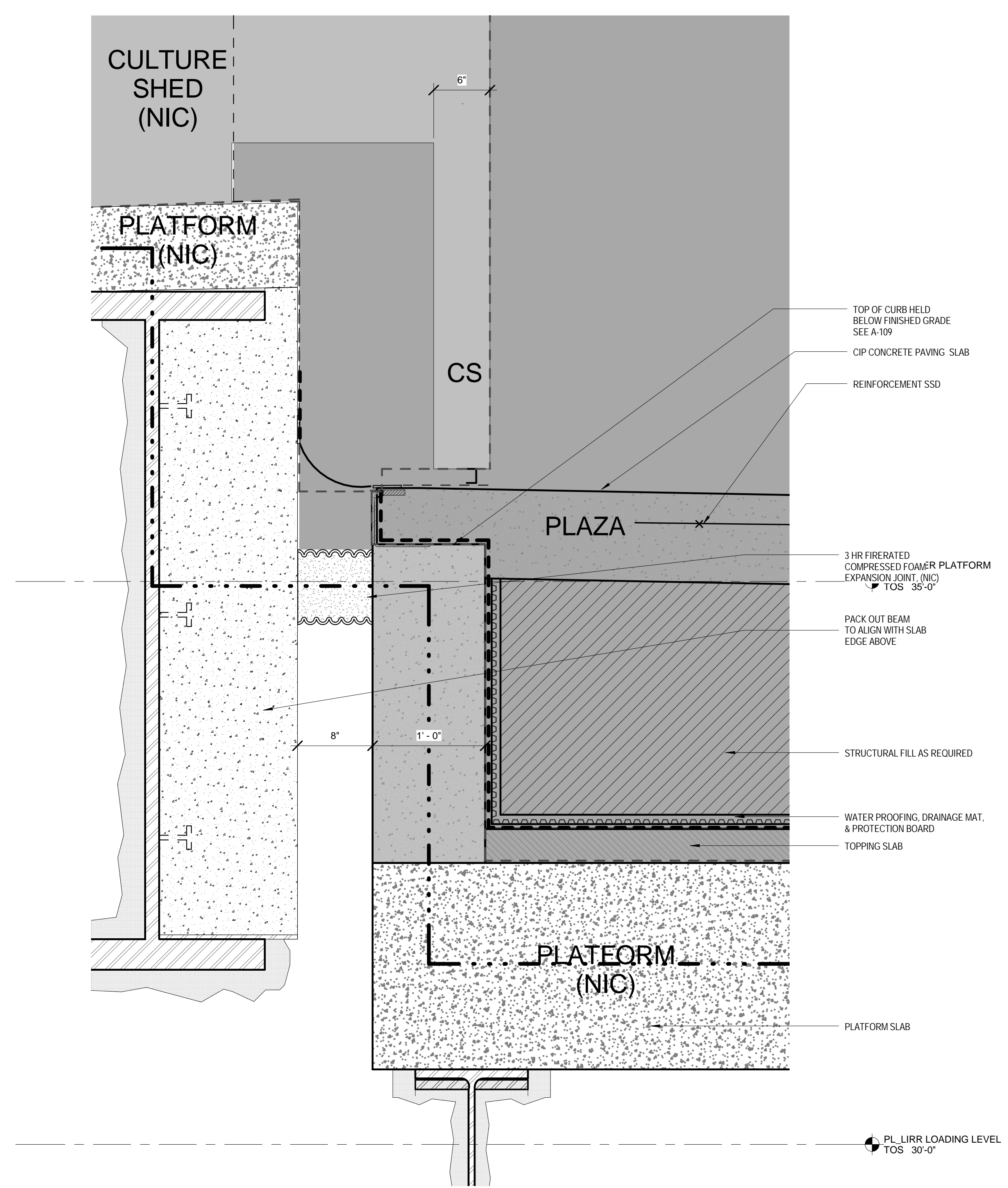
Architect:
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, NY 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer:
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

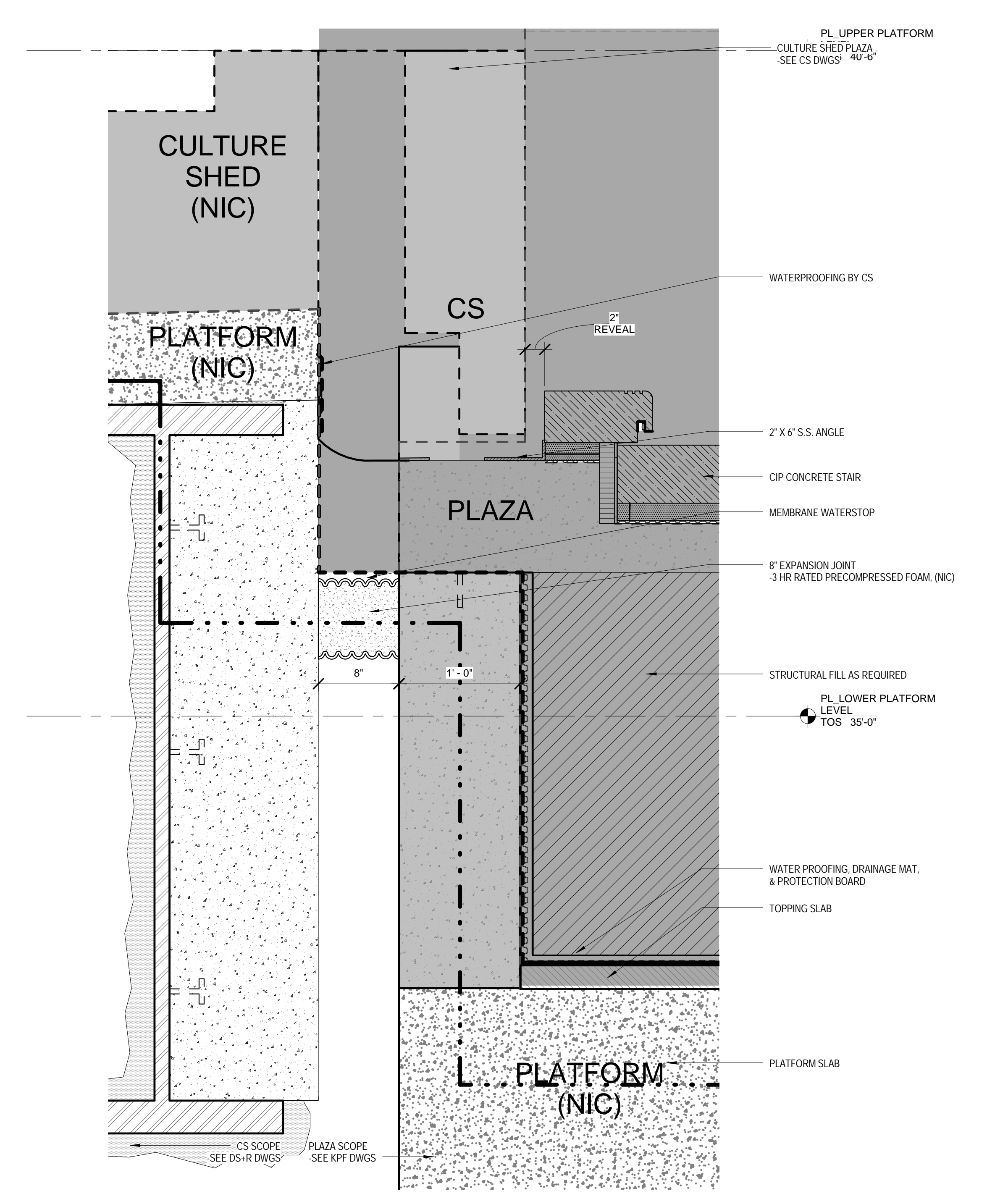
Mechanical, Electrical, Plumbing, Fire Protection:
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation:
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

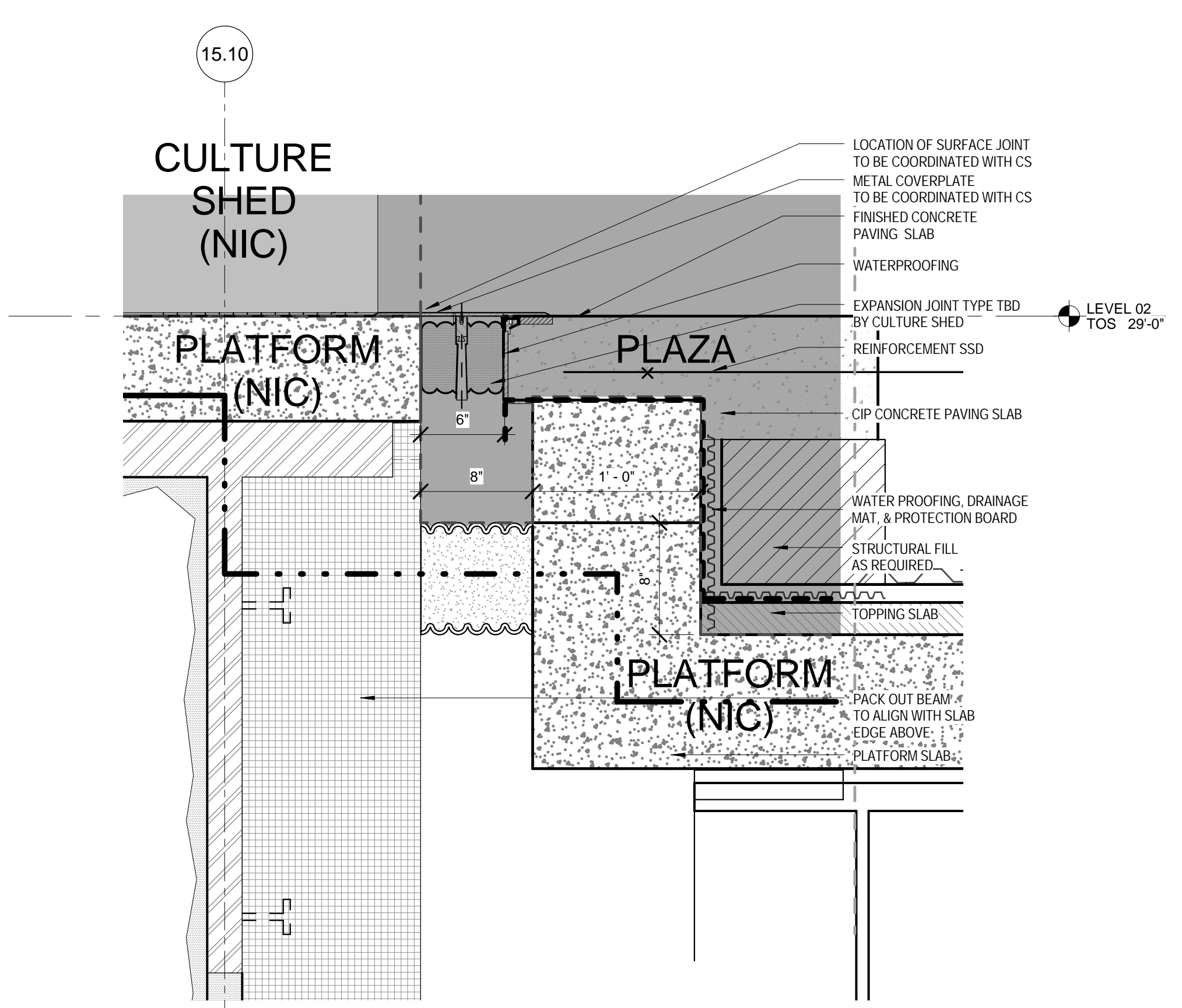
LIRR Substation:
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9500 FAX: 212.682.6172



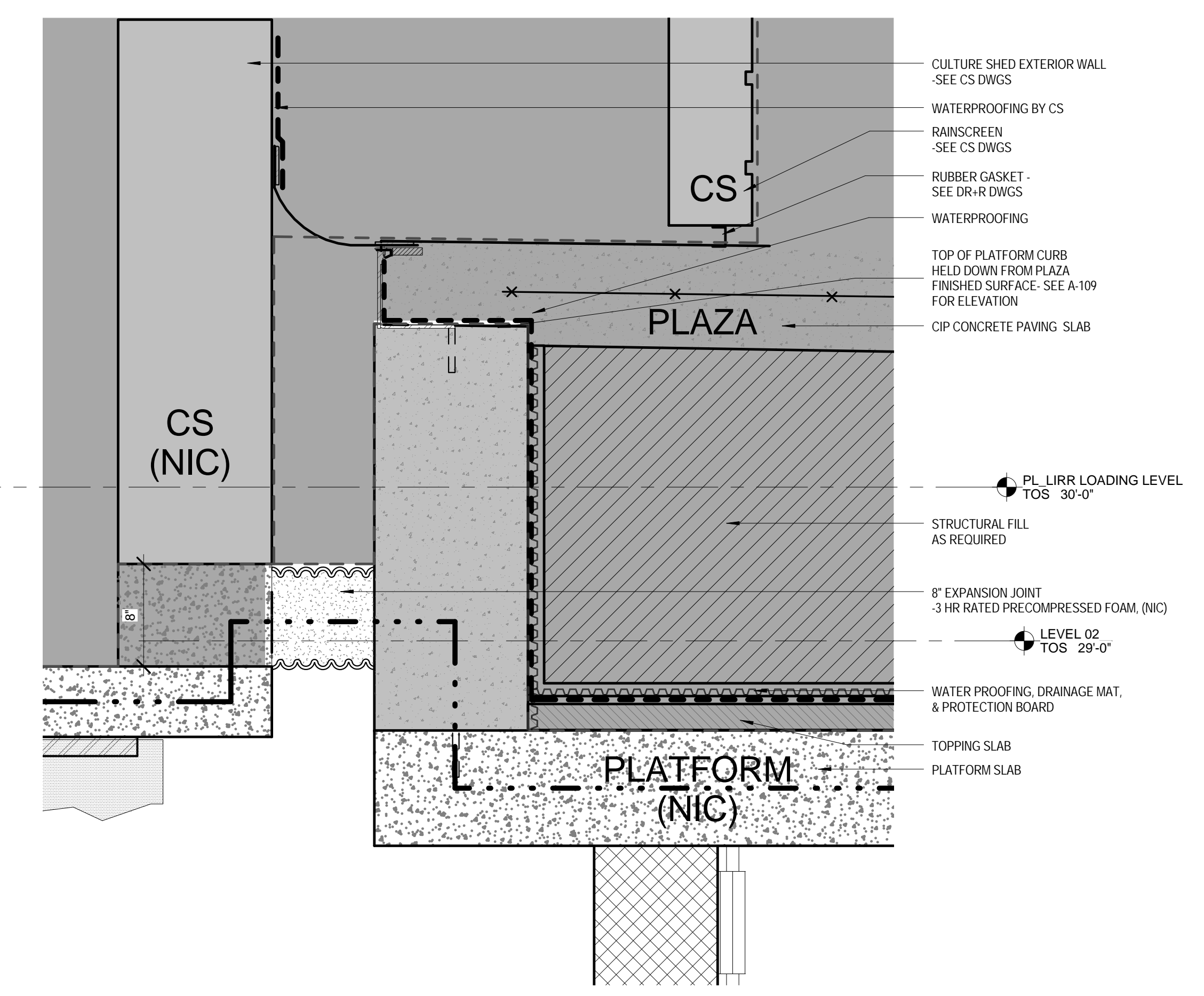
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SCALE: 1/12" = 1'-0"



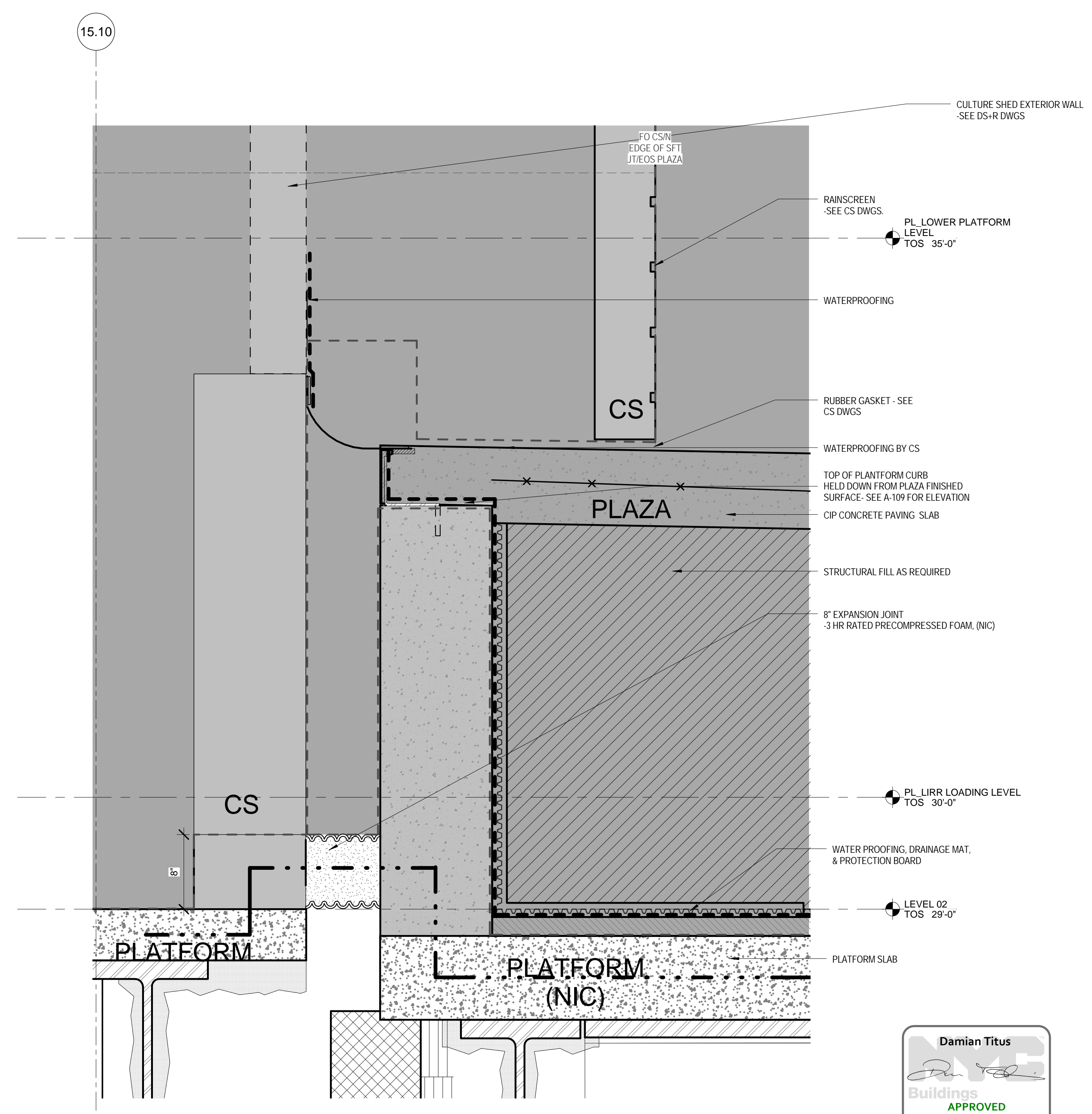
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SCALE: 1/12" = 1'-0"



5 EXPANSION JOINT DETAIL AT GL PD50 FACING W
SCALE: 1/12" = 1'-0"



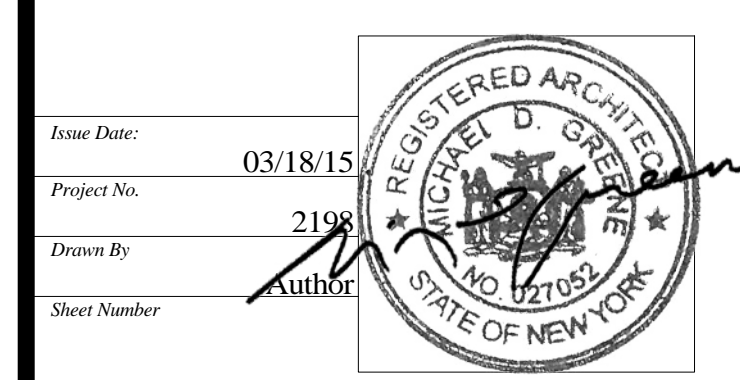
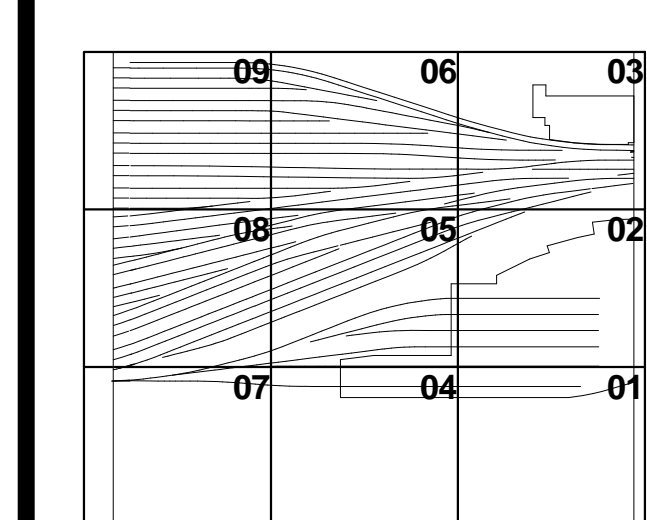
3 EXPANSION JOINT DETAIL AT GL PF50 FACING W
SCALE: 1/12" = 1'-0"



1 EXPANSION JOINT DETAIL AT GL PG50 FACING W
SCALE: 1/12" = 1'-0"

| | | |
|-----|-----------------------------------|------------|
| 3 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 2 | LIRR - Platform Permit Submission | 6/16/2015 |
| 1 | ASL-0066 | 3/18/2015 |
| No. | Description | Date |

Rev Plot

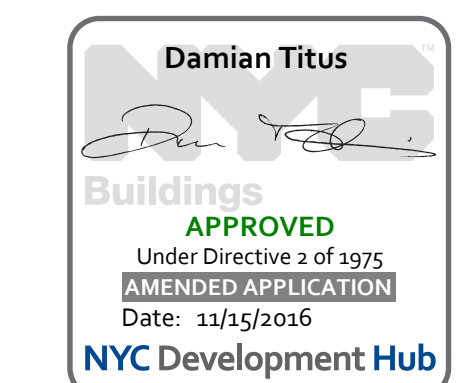


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Checked By: [Signature]
Date: 3/15/2016

HYE-PL-A-585.00

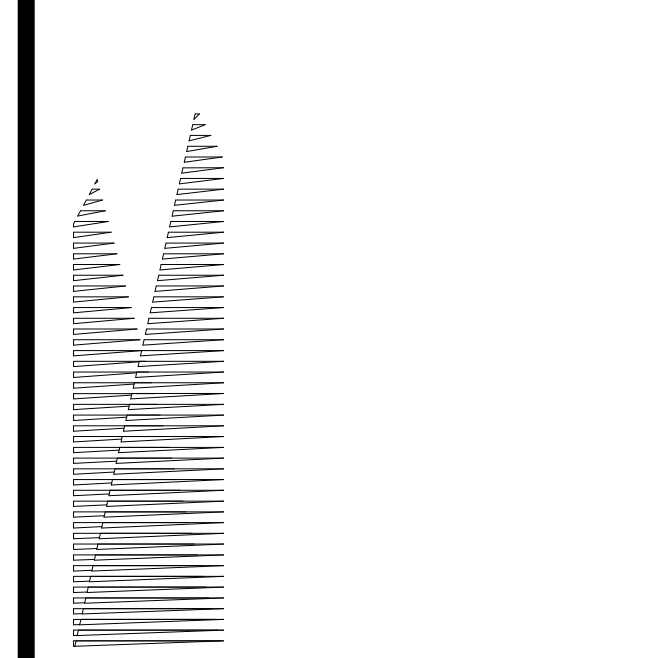
**EXPANSION JOINT
DETAILS-CULTURE
SHED**

A-585.00



APPROVED
Under Directive 2 of 2015
REVISION TO SPECIFICATION
Date: 3/15/2016
NYC Development Hub





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TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
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540 West 31st Street, Suite 1510
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TEL: 646.569.4200

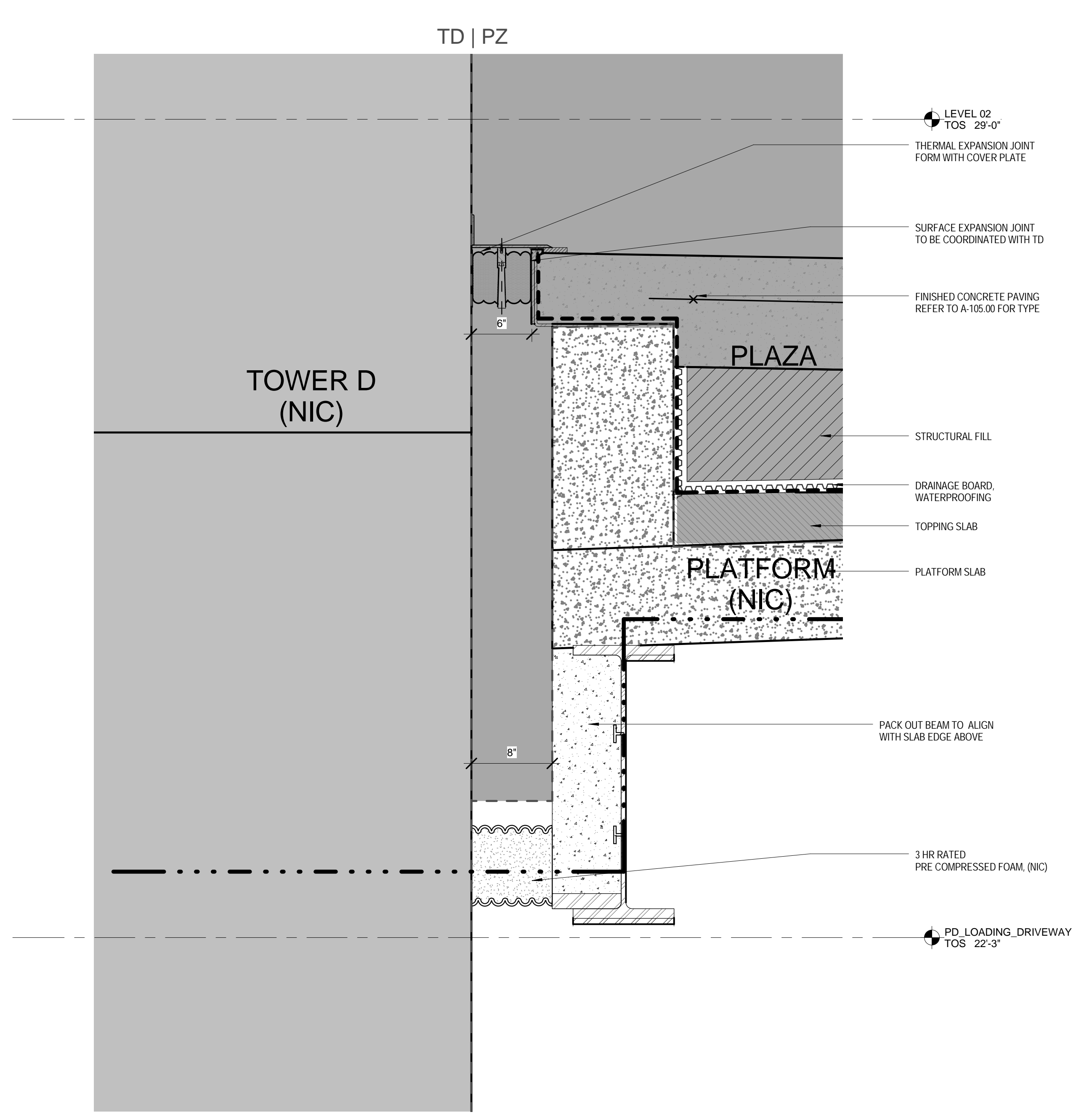
Architect
Kohn Pedersen Fox Associates
Architects & Planning Consultants
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New York, New York 10036
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Structural Engineer
Thornton Tomasetti, Inc.
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New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

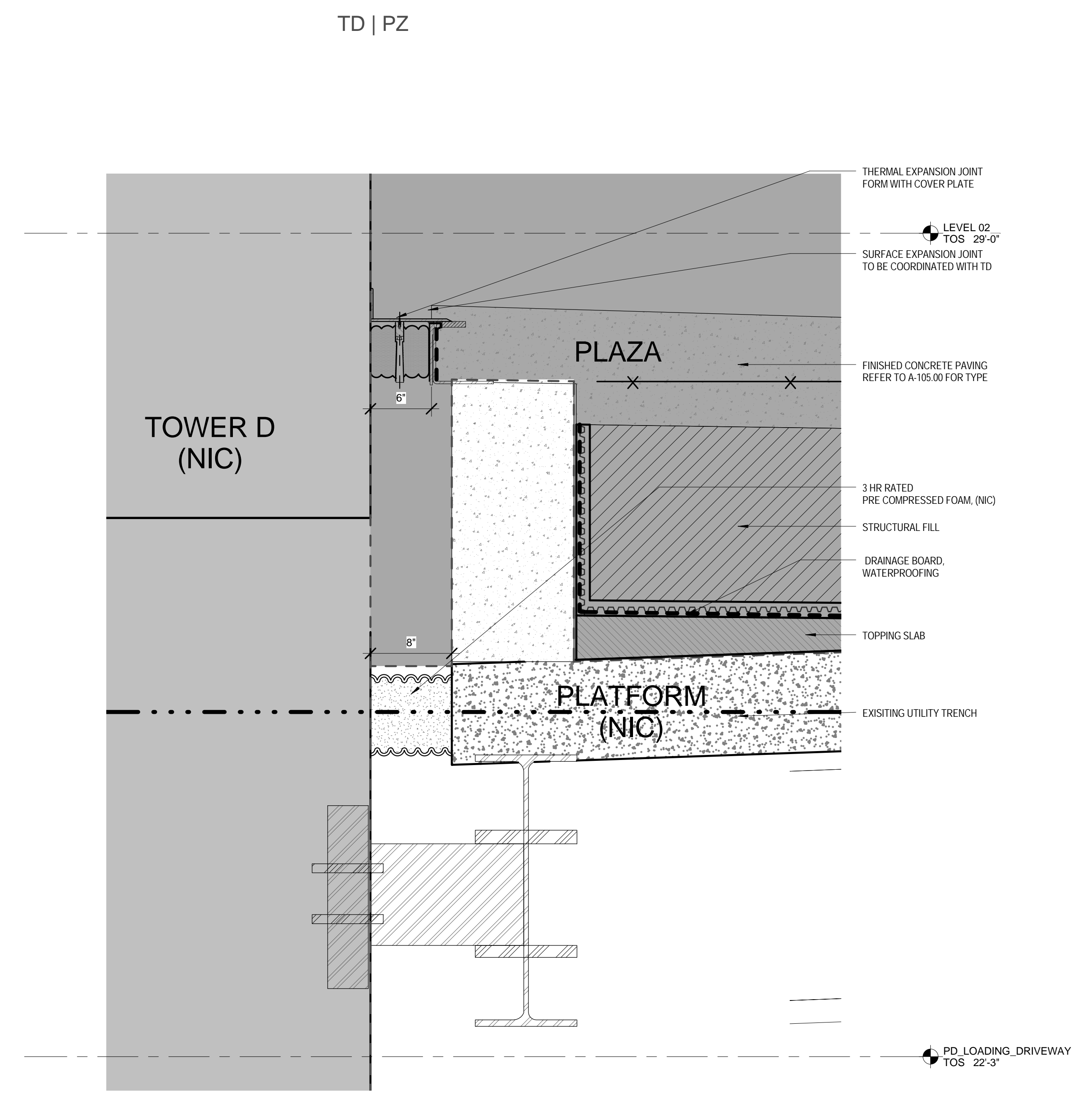
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

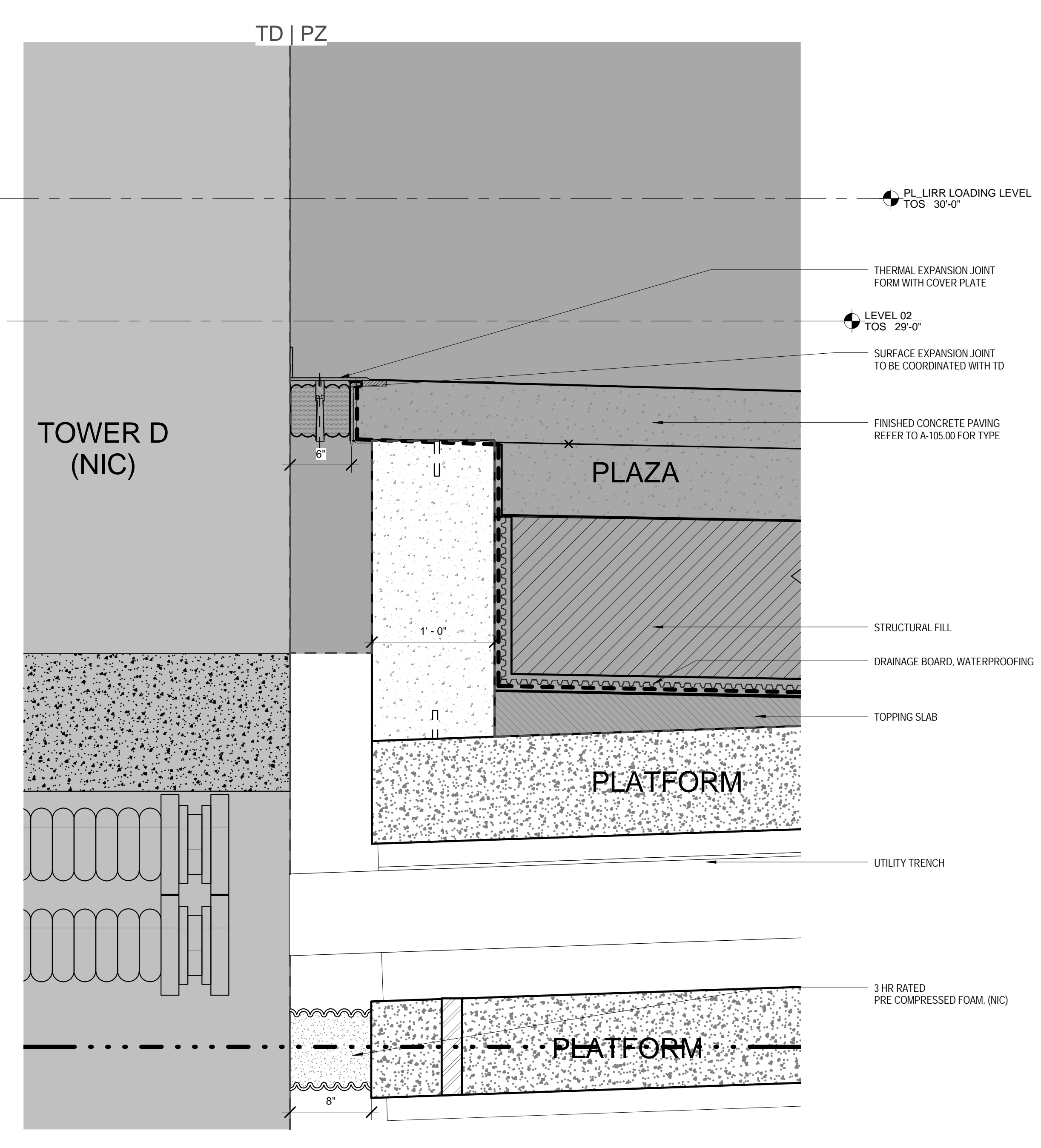
LIRR Substation
ARCION
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172



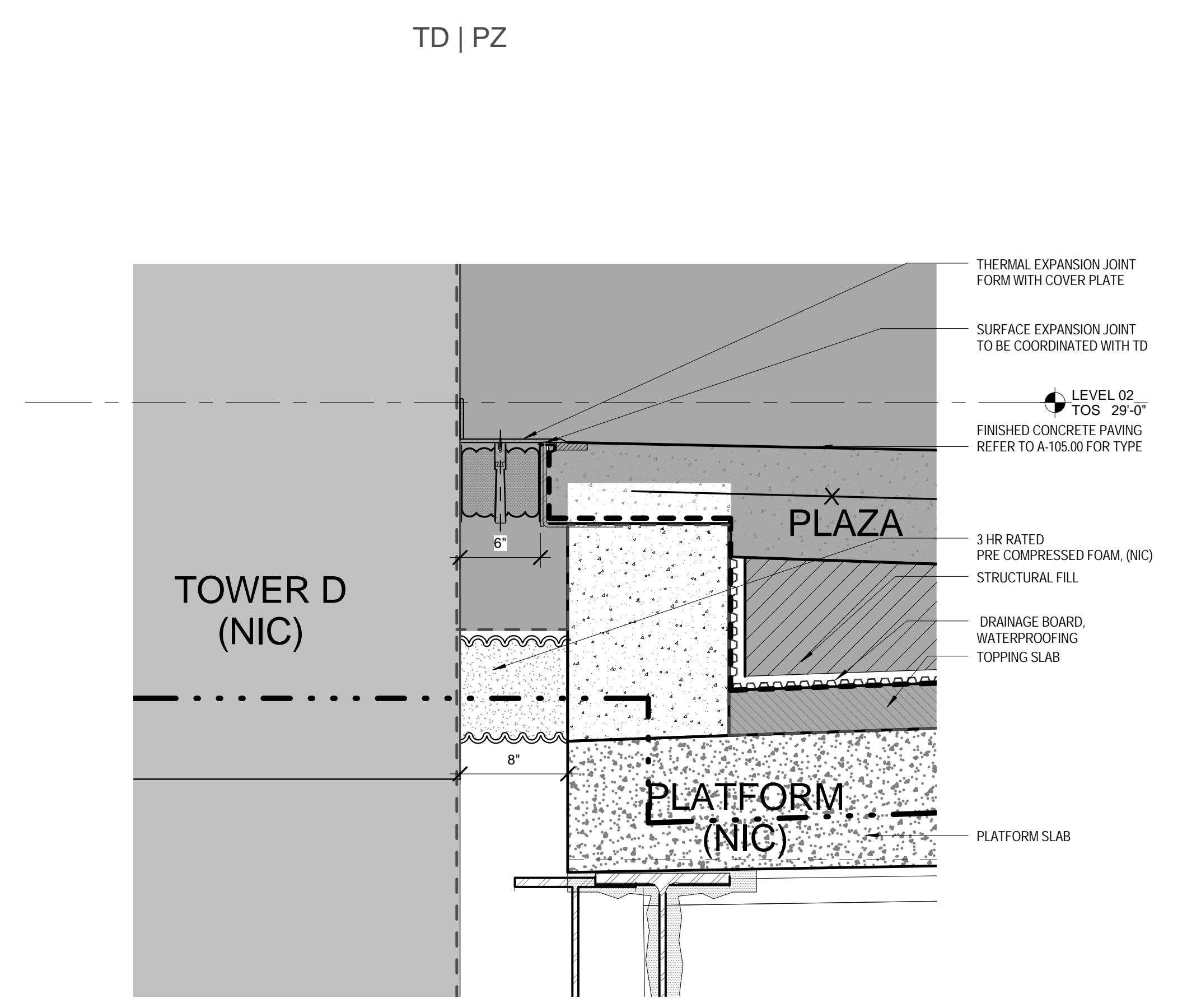
5 EXPANSION JOINT DETAIL AT GL PA50 FACING W-TD
NON-SLIDE BEARING
SCALE: 1/12" = 1'-0"



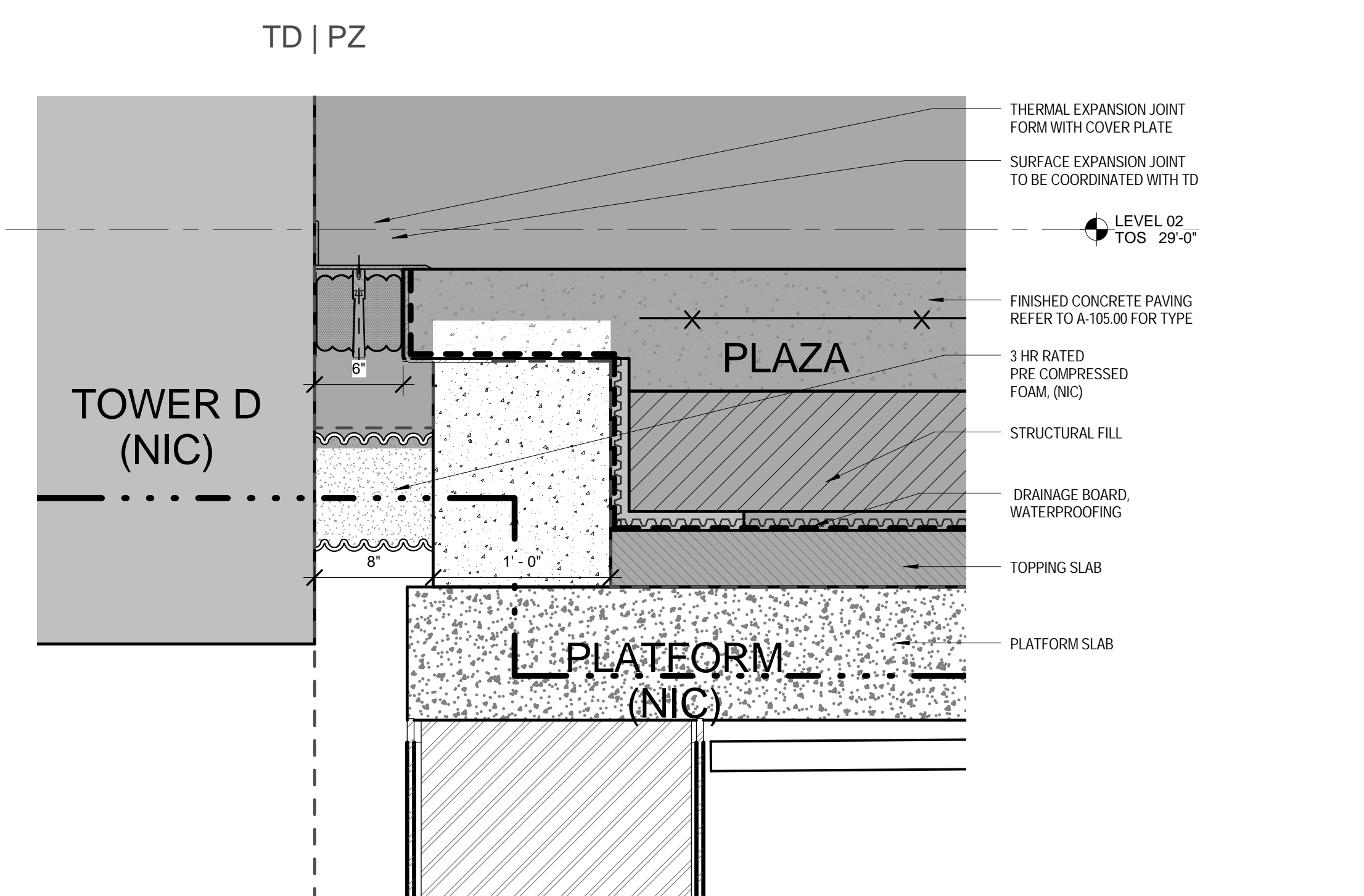
4 EXPANSION JOINT DETAIL AT GL PA90 FACING W-TD
SLIDE BEARING
SCALE: 1/12" = 1'-0"



3 EXPANSION JOINT AT GRIDLINE PB25 THROUGH TRENCH
FACING W
SCALE: 1/12" = 1'-0"



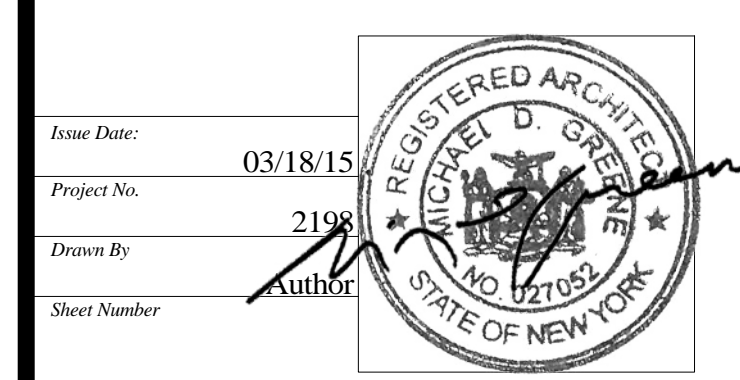
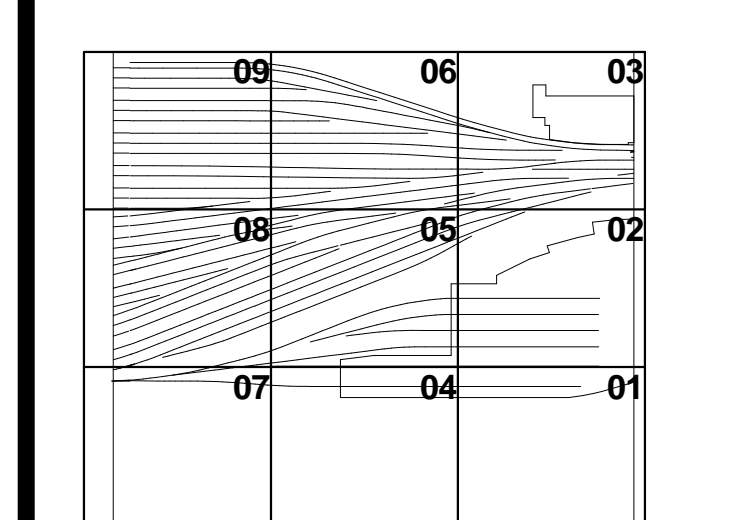
2 EXPANSION JOINT DETAIL AT GL PC75-TOWER D
SCALE: 1/12" = 1'-0"



1 EXPANSION JOINT AT CORNER OF CS/TD FACING N
SCALE: 1/12" = 1'-0"

| | | |
|-----|-----------------------------------|------------|
| 3 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 2 | LIRR - Platform Permit Submission | 6/16/2015 |
| 1 | ASL-0066 | 3/18/2015 |
| No. | Description | Date |

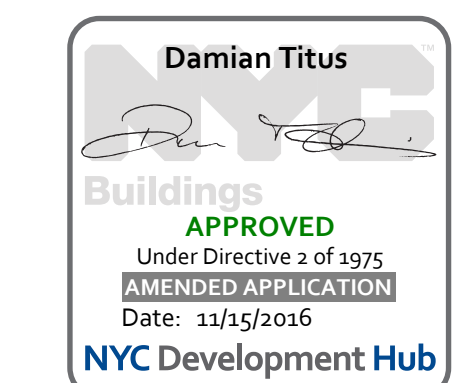
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Date: 03/18/15
Project No: 2158
Drawn By: [Signature]
Sheet Number: [Signature]

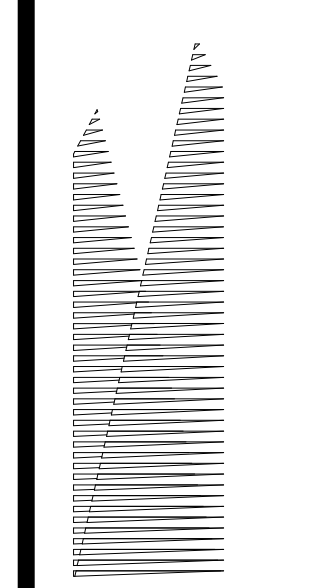
HYE -PL -A-586.00

EXPANSION JOINT DETAILS - TOWER D
Drawing Title
A-586.00



HUDSON YARDS - PLATFORM

Address:
 530 WEST 33RD STREET
 NEW YORK, NY



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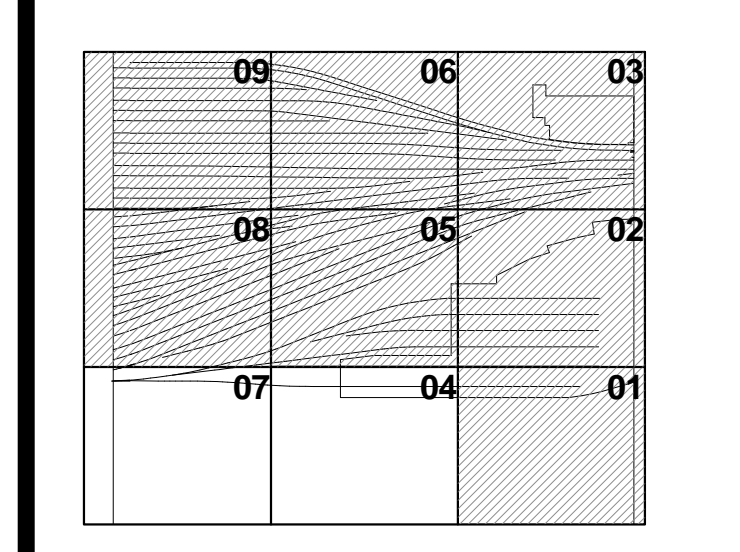
Mechanical, Electrical, Plumbing, Fire Protection
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 100 Broadway
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LIRR Ventilation
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 212.896.3000

LIRR Substation
 AECOM
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9300 FAX: 212.682.6172

| | | |
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| 1 | ASL0112 | 2/8/2016 |
| No. | Description | Date |

See Plan

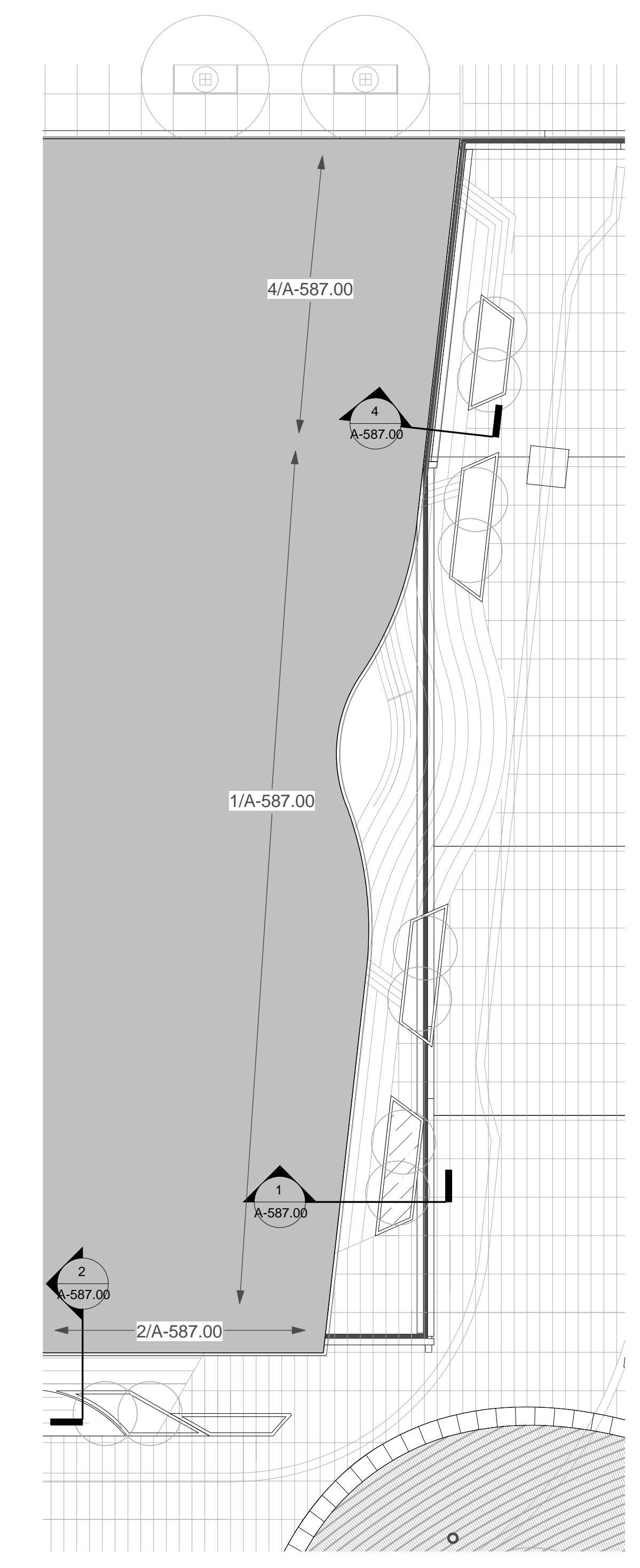


Date: 01/26/16
 Project No: 2158
 Drawn By: [Signature]
 Check By: [Signature]
 Title: Architect

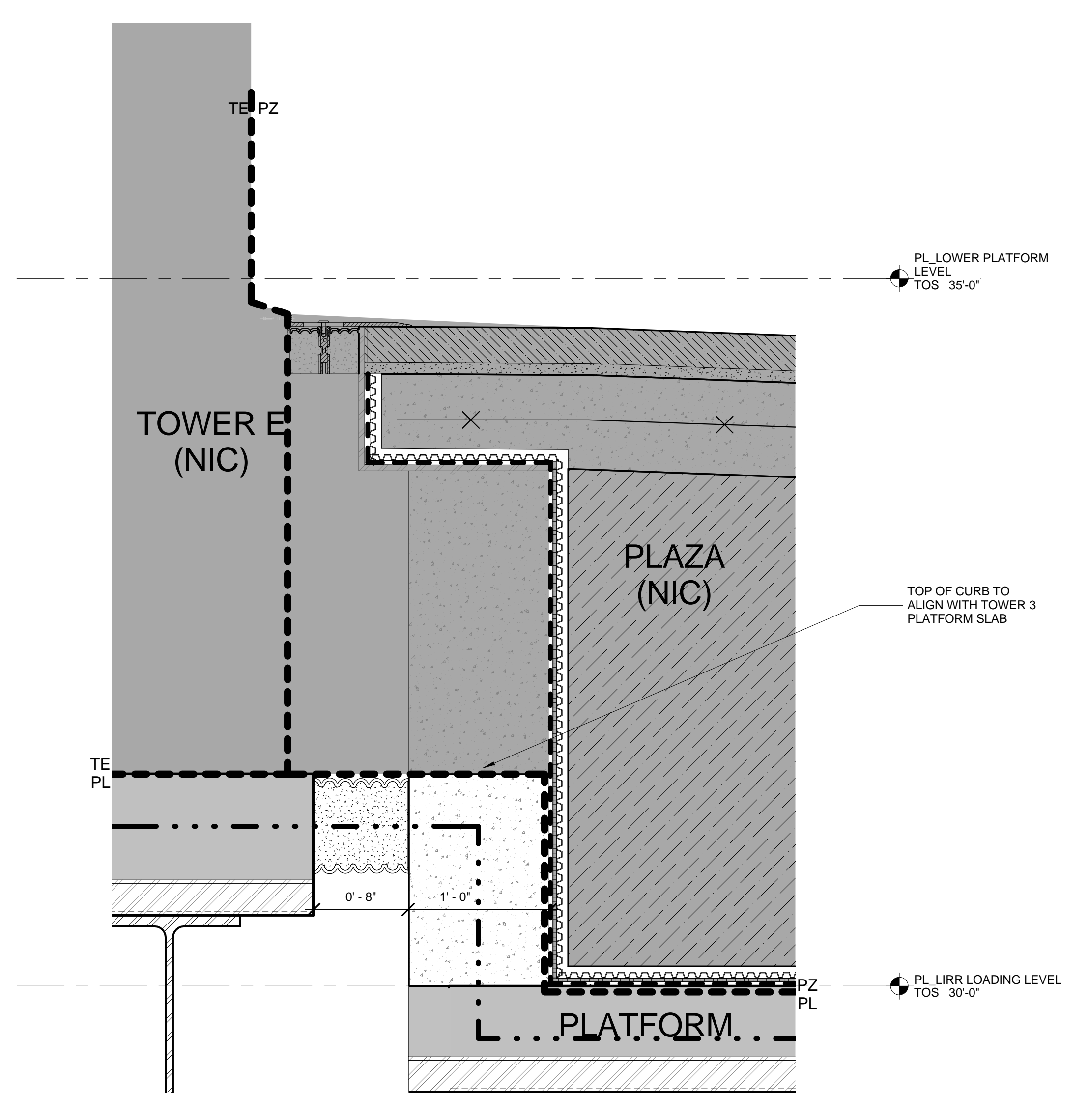
HYE - PL - A-587.00

EXPANSION JOINT DETAILS - TOWER E

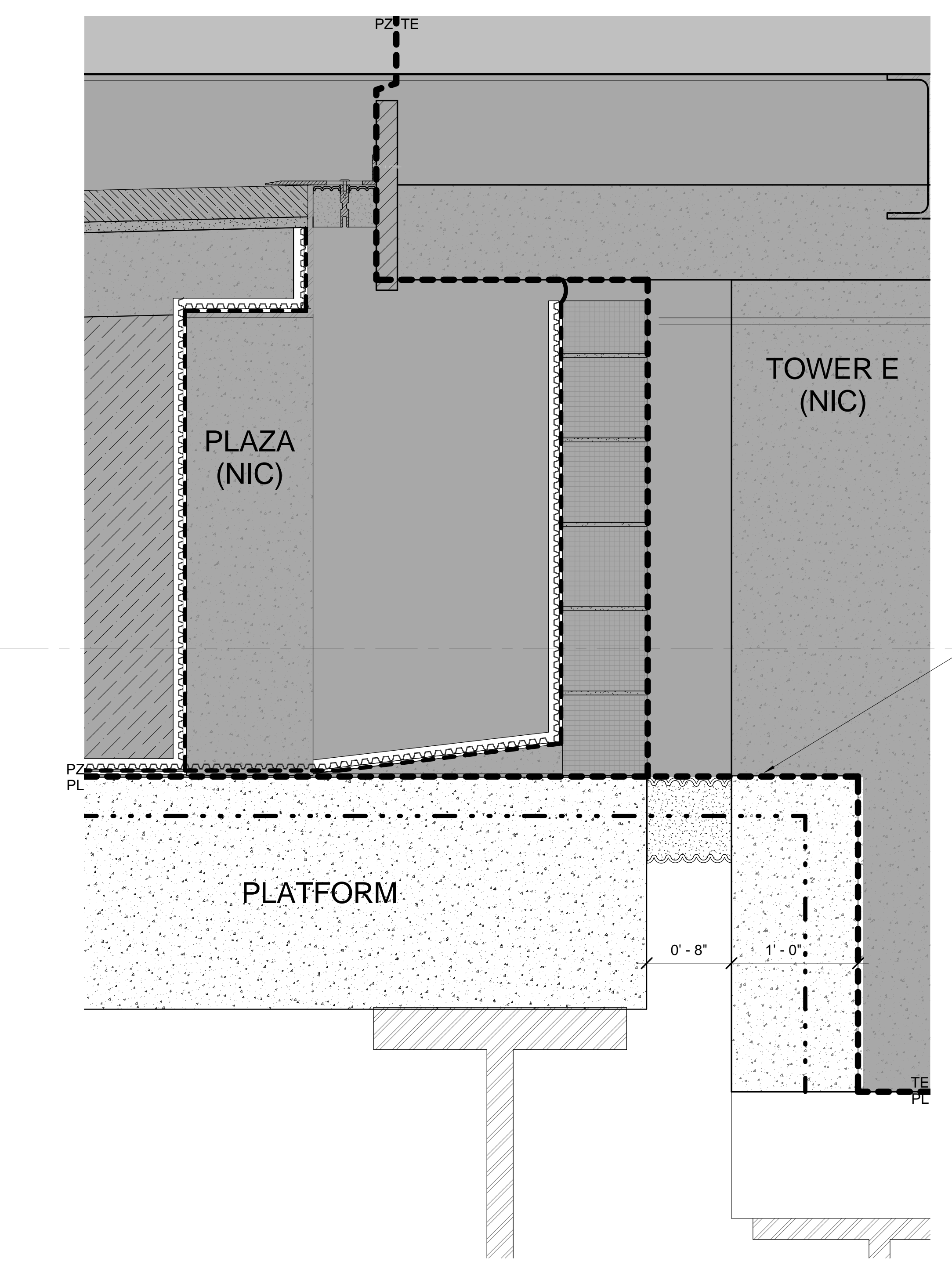
Drawing Title
A-587.00



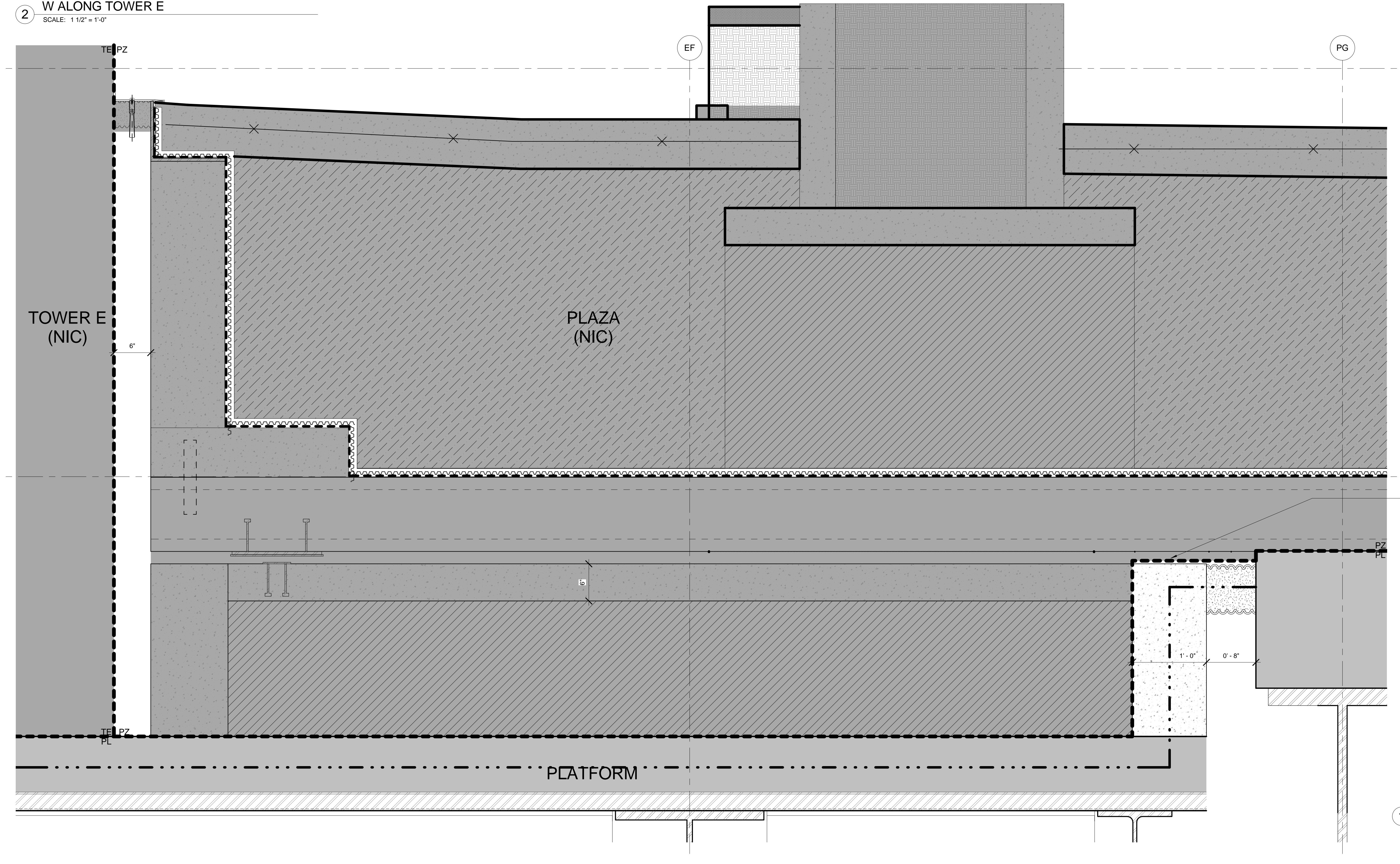
3 TOWER E EAST EJ SECTION LOCATION
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 NOTE: PLAZA INFORMATION SHOWN FOR REFERENCE



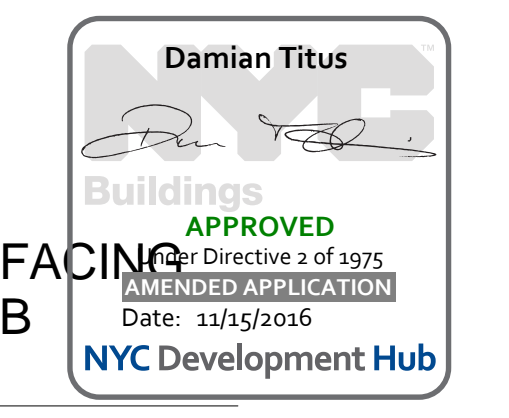
4 EXPANSION JOINT DETAIL AT GL 16 FACING NORTH ALONG TOWER E
 SCALE: 1/12" = 1'-0"



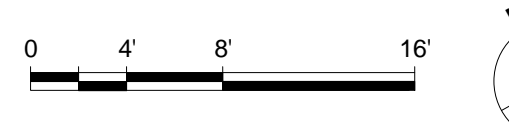
2 EXPANSION JOINT DETAIL AT GL PE FACING W ALONG TOWER E
 SCALE: 1/12" = 1'-0"



1 EXPANSION JOINT AT GRIDLINE 13 FACING NORTH ALONG TOWER E (SLIP SLAB CONDITION)
 SCALE: 1/12" = 1'-0"

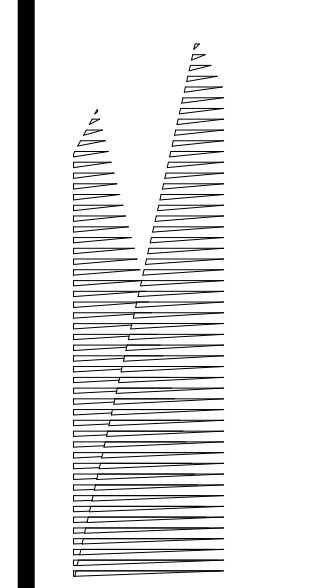


APPROVED
 Director of Dept. of Buildings
 Date: 1/15/2016
 NYC Development Hub



HUDSON YARDS - PLATFORM

Address:
530 WEST 33RD STREET
NEW YORK, NY



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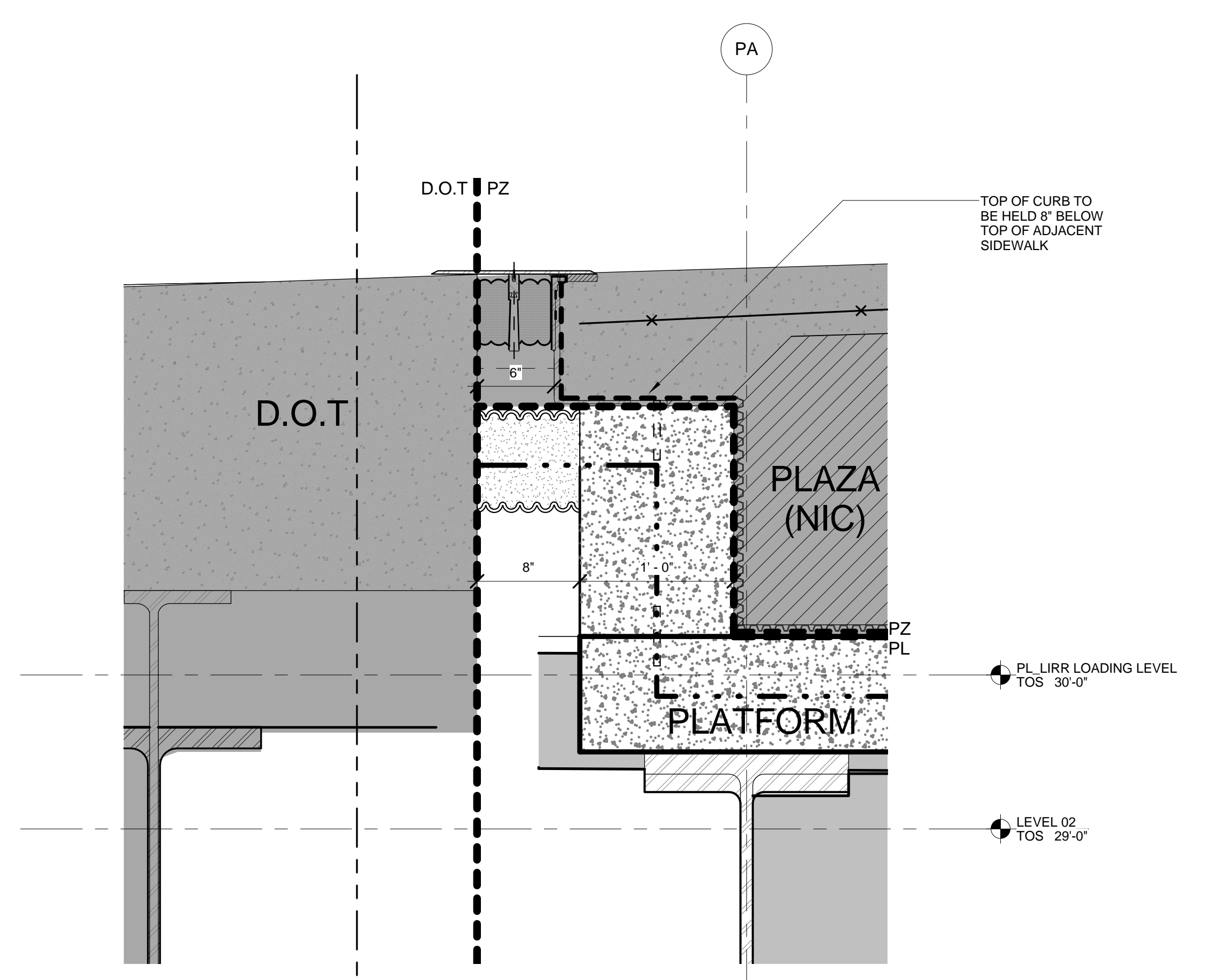
Architect
Kohn Pedersen Fox Associates
Architects & Planning Consultants
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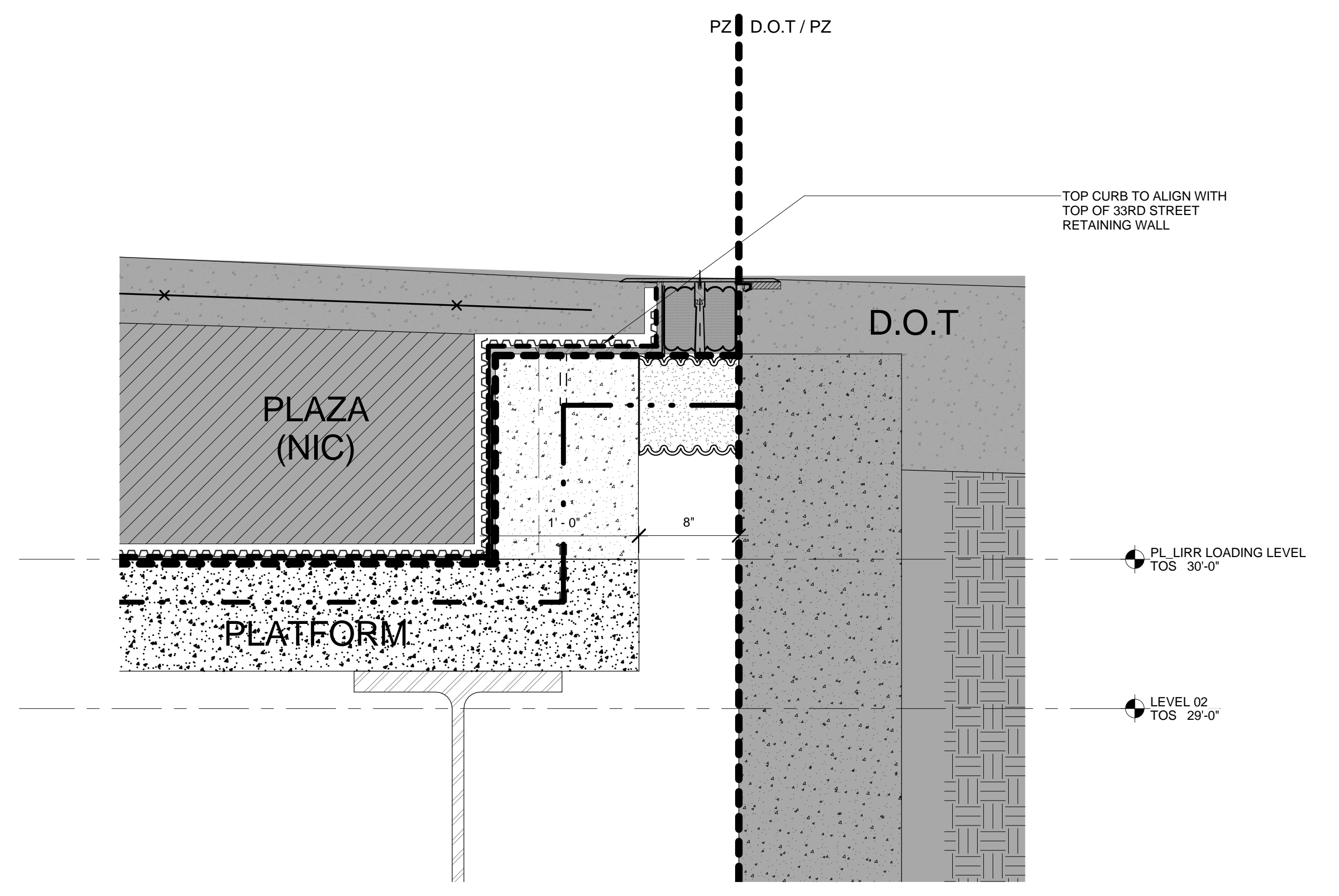
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
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TEL: 212.266.8300 FAX: 212.571.6825

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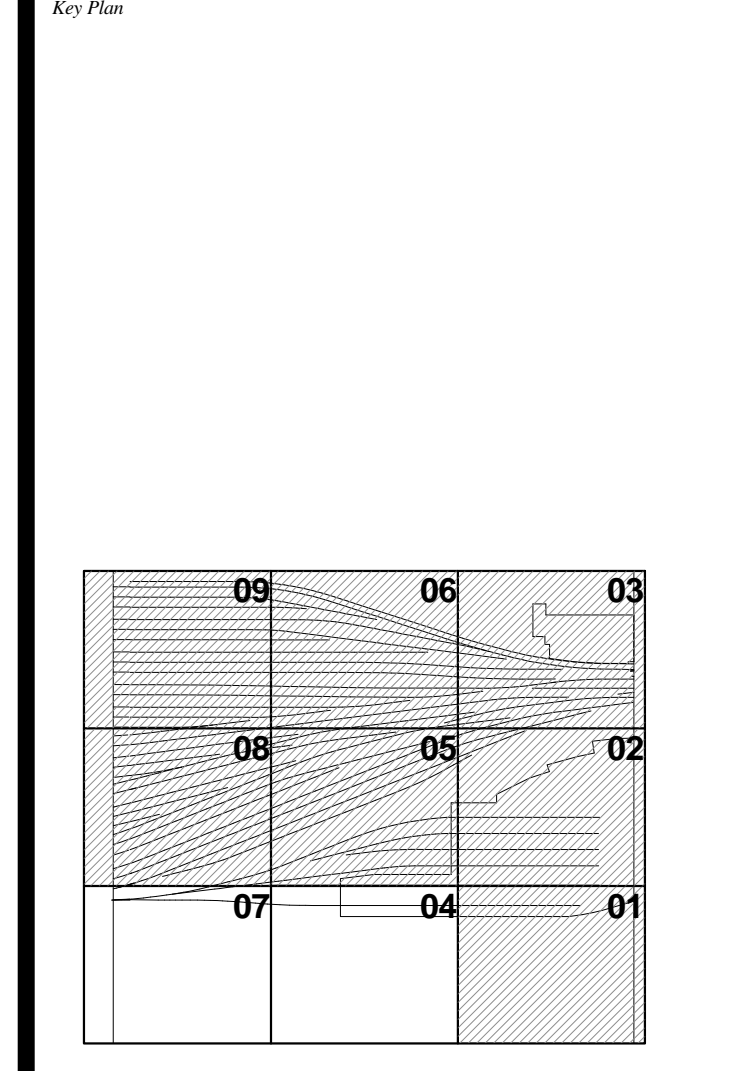


1 EXPANSION JOINT ALONG 11TH AVE AT GL 9
FACING N
SCALE: 1/12" = 1'-0"



2 EXPANSION JOINT ALONG 33RD AT GL PM
FACING W
SCALE: 1/12" = 1'-0"

| | |
|---------|--|
| 2 | DOB POST-APPROVAL AMENDMENT 10/26/2016 |
| ASL0112 | 2/8/2016 |
| No. | Description Date |

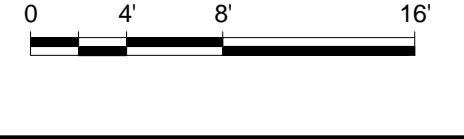
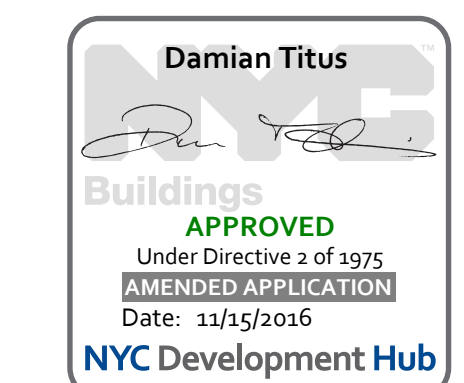


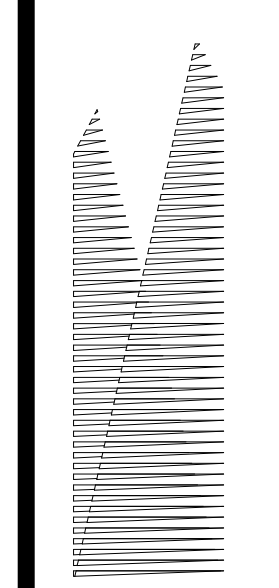
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Project No: 2198
Drawing No: A-588.00
Sheet Number: 1 of 1

HYE - PL - A-588.00

**EXPANSION JOINT
DETAILS - 33RD STREET
AND ELEVENTH AVE.**

A-588.00





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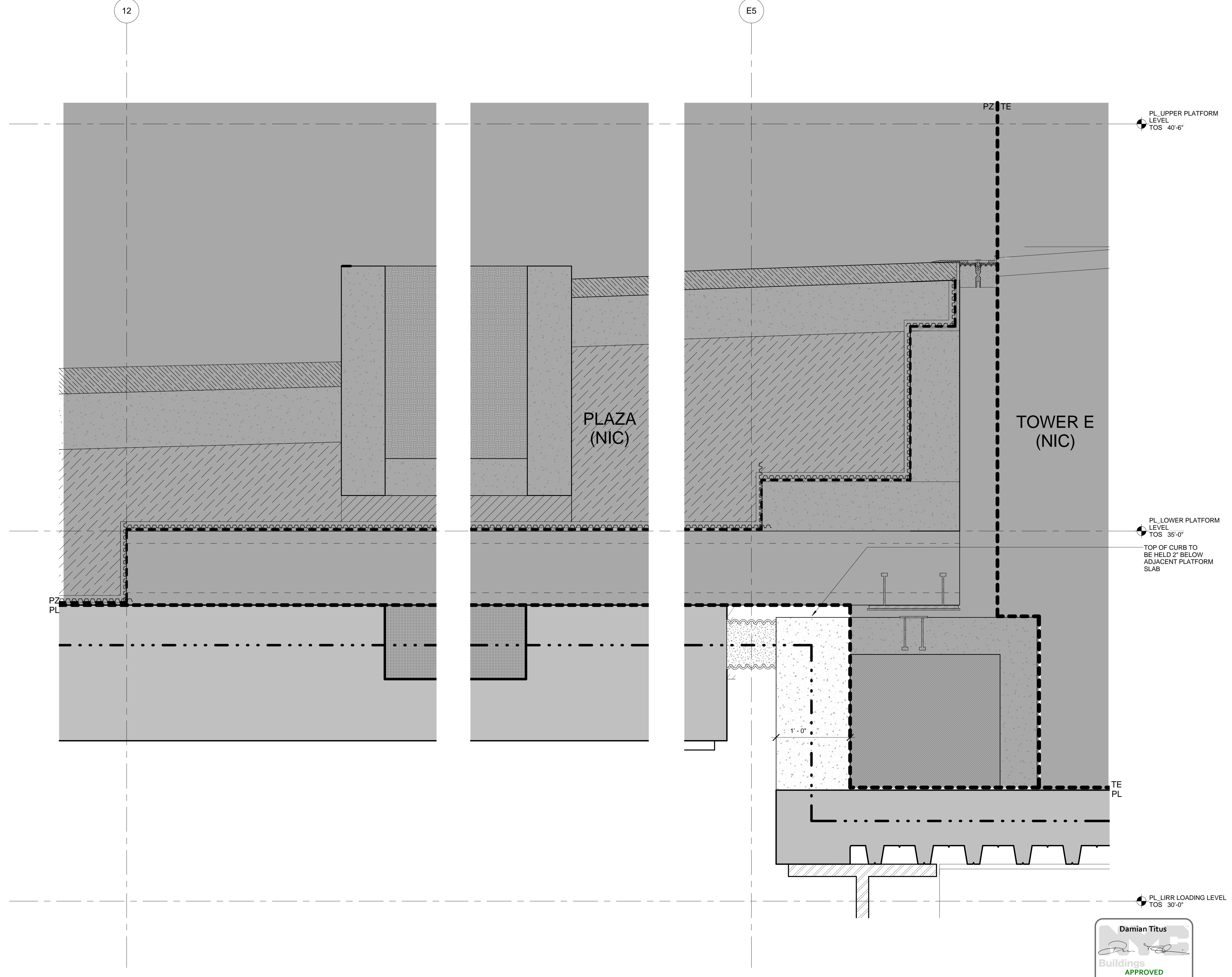
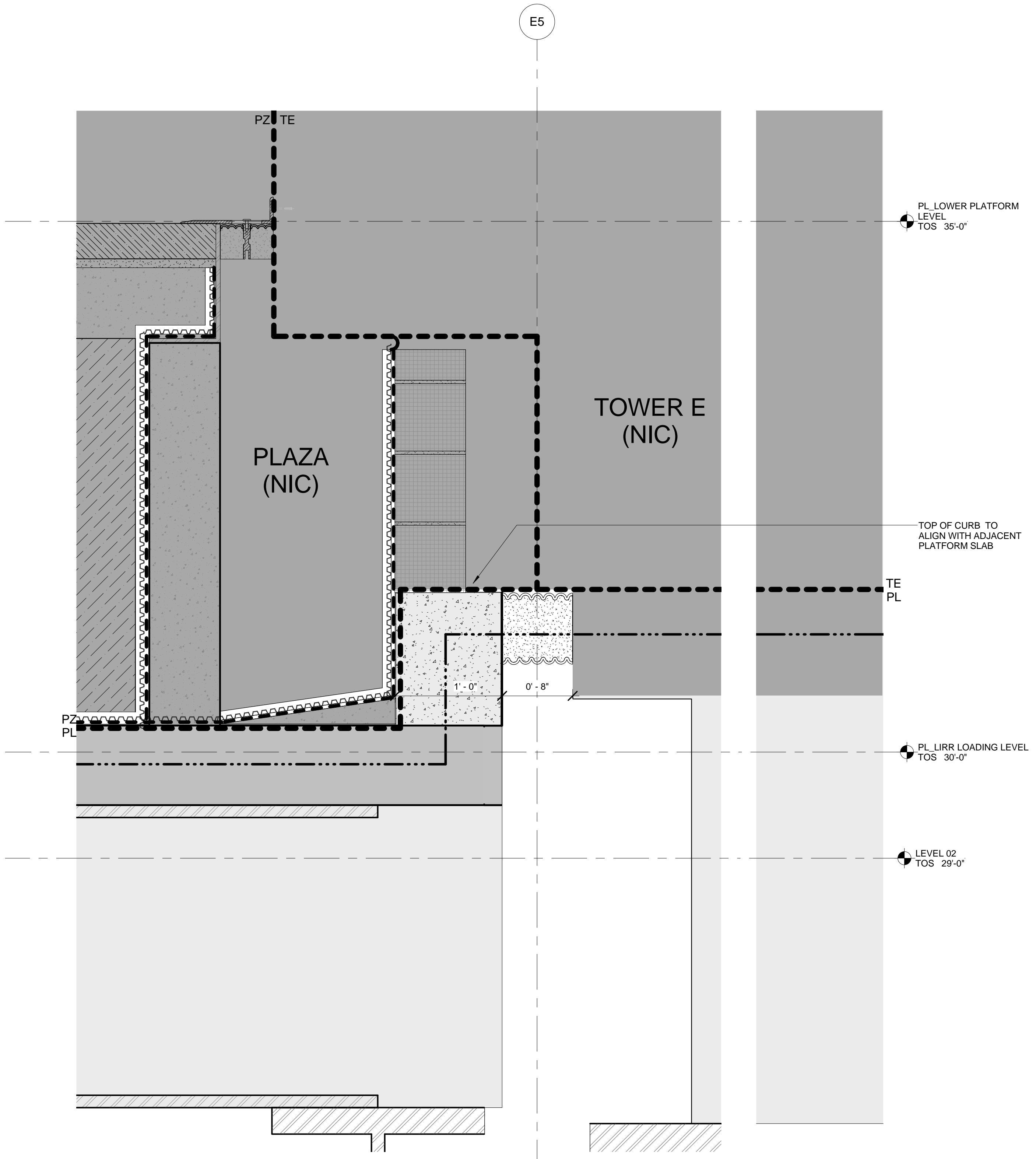
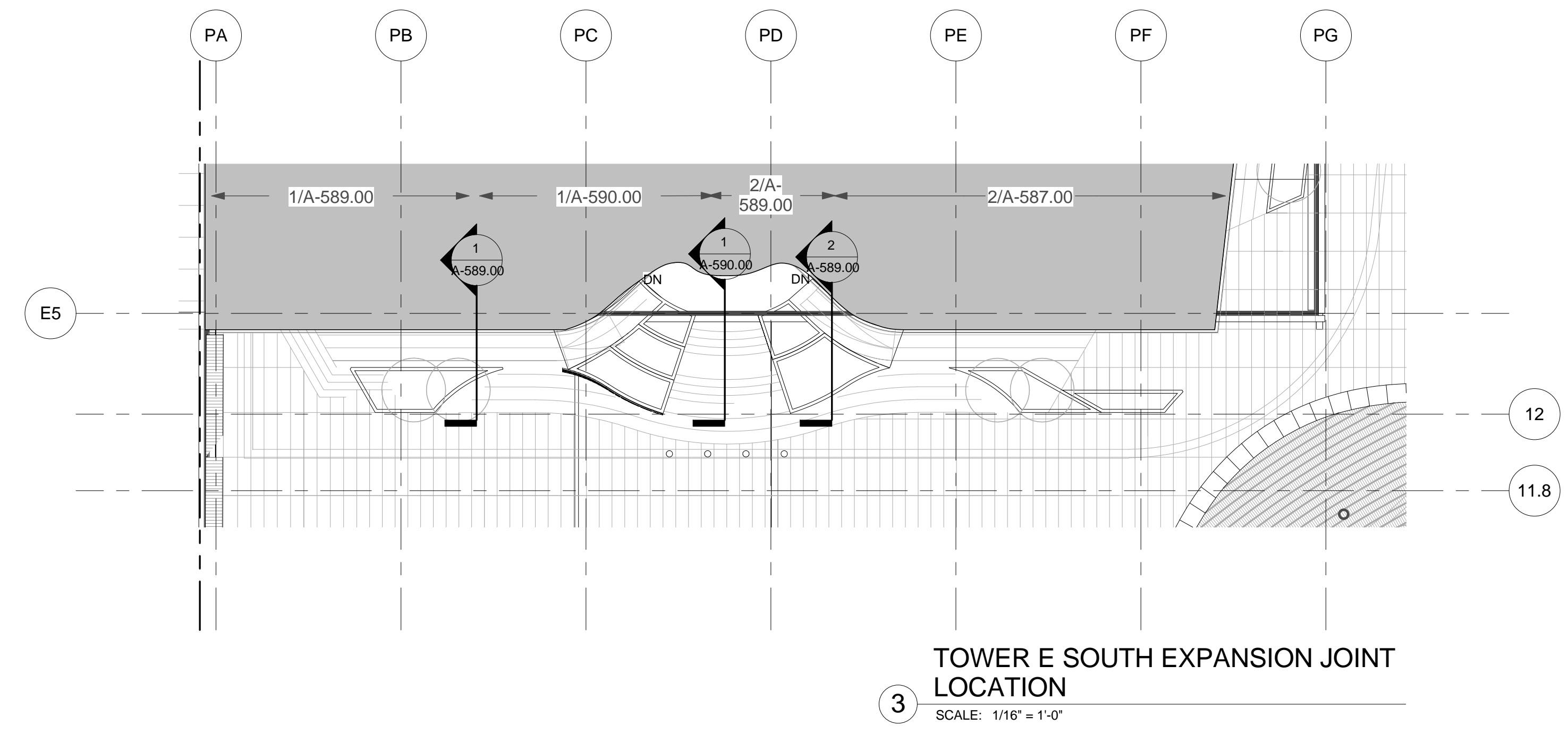
Architect
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Architects & Planning Consultants
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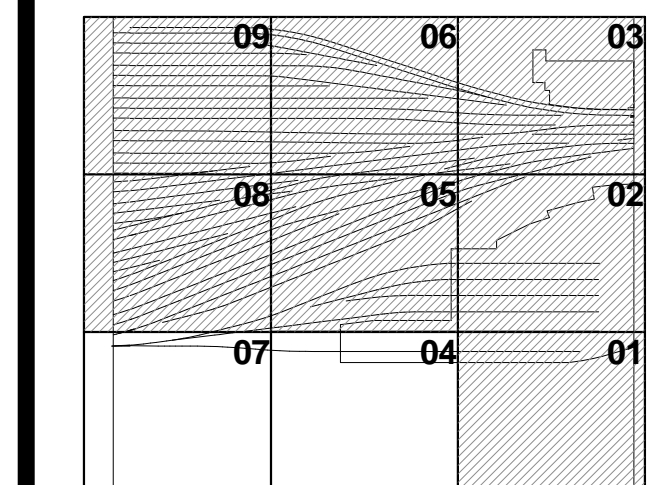
Mechanical, Electrical, Plumbing, Fire Protection
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| | | |
|---------|-----------------------------|------------|
| 2 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| ASL0112 | | 2/8/2016 |
| | Revisions | Date |



Date: 01/26/16
Project No: 2158
Drawn By: [Signature]
Sheet Number: [Signature]

HYE - PL - A-589.00

EXPANSION JOINT DETAILS - TOWER E

Drawing Title

Damian Titus
REGISTERED ARCHITECT
STATE OF NEW YORK

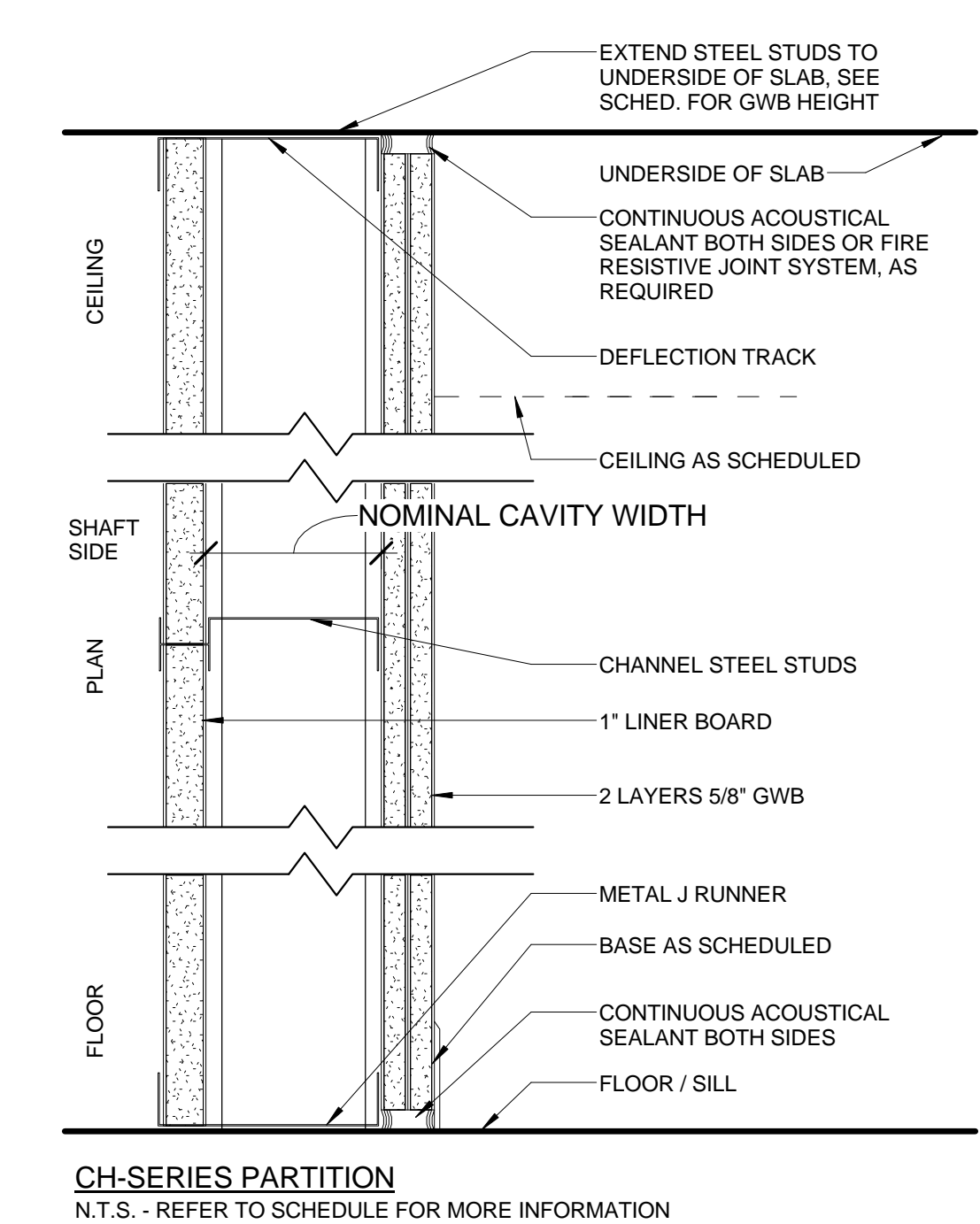
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1/15/2016

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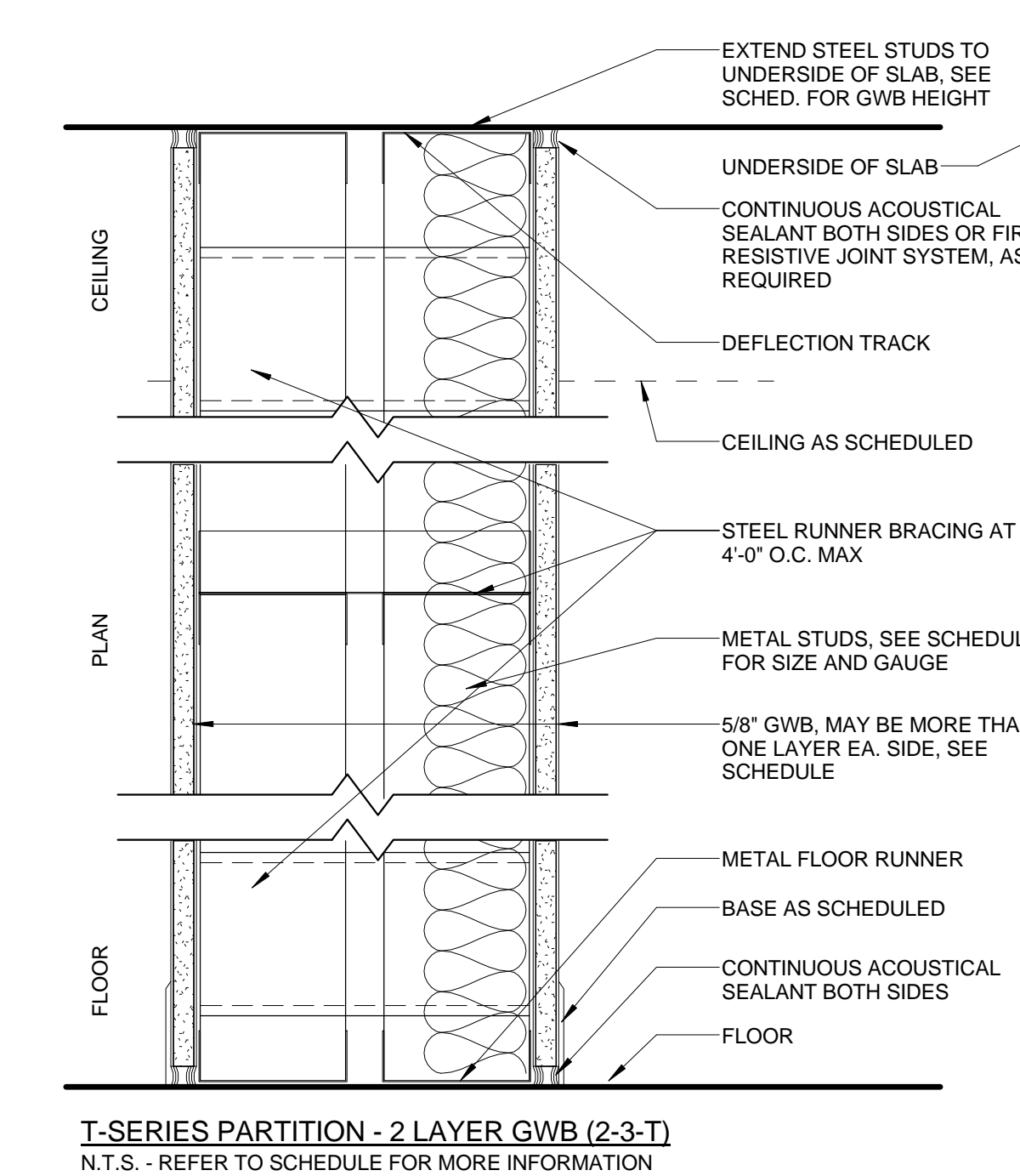
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A-589.00

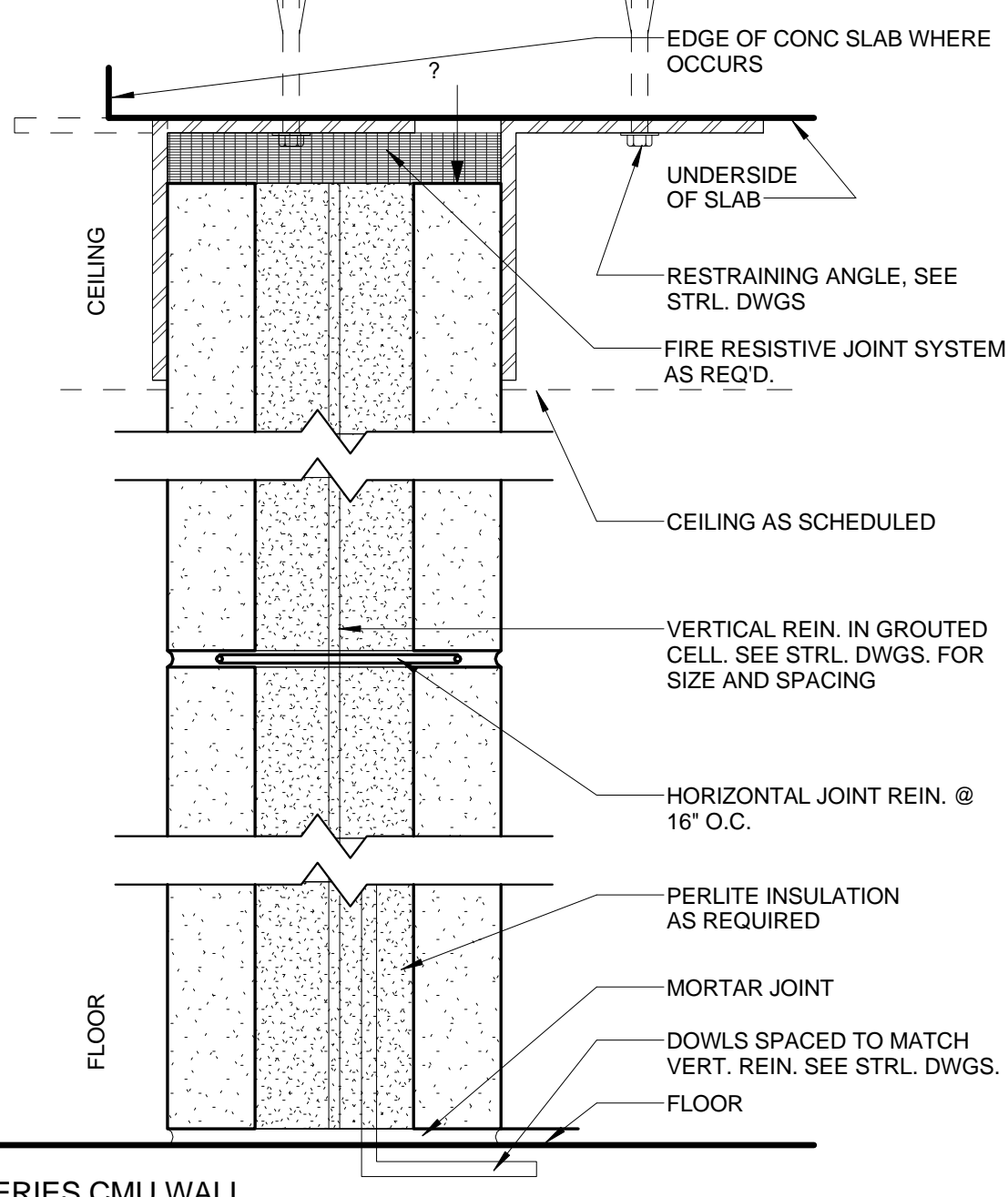
| Wall Partition Schedule | | | | | | | | | | |
|--|-------------|---------|----------------|------------|-----------|----------------------|---------------|------------|--|--|
| Type | Description | Width | Wall Assembly | | | Fire Rating | | STC Rating | Remarks | |
| | | | No. GWB Layers | GWB. Thick | Stud Size | Fire Rating () Hour | U.L. Wall No. | | | |
| 2" Masonry | | 1 5/8" | | | | | | | | |
| 4" Masonry | | 3 5/8" | | | | | | | | |
| 6" Masonry | | 5 5/8" | | | | | | | | |
| 8" Concrete Retaining Wall | | 8" | | | | | | | | |
| 8" Masonry | | 7 5/8" | | | | | | | | |
| 12" Concrete Retaining Wall | | 1'-0" | | | | | | | | |
| 18" Concrete Retaining Wall | | 1'-6" | | | | | | | | |
| 19" Concrete Retaining Wall | | 1'-7" | | | | | 2 | | | |
| Generic - 12" | | 1'-0" | | | | | | | | |
| 1-Series | | | | | | | | | | |
| Wall Partition 1-2 | 1-Series | 1-2 | 3 1/8" | 1 | 5/8" | 2 1/2" | - | - | | |
| Wall Partition 1-2a | 1-Series | 1-2a | 2 1/8" | 1 | 5/8" | 1 1/2" | - | - | | |
| Wall Partition 1-3 | 1-Series | 1-3 | 4 1/4" | 1 | 5/8" | 3 5/8" | - | - | | |
| Wall Partition 1-3-T | 1-Series | 1-3-T | 5 1/4" | 1 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition Tile | 1-Series | T | 1" | - | - | 0" | - | - | | |
| 2-Series | | | | | | | | | | |
| Wall Partition 2-1 | 2-Series | 2-1 | 2 1/8" | 2 | 5/8" | 7/8" | - | - | 49 | |
| Wall Partition 2-3 | 2-Series | 2-3 | 4 7/8" | 2 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition 2-3-A | 2-Series | 2-3-A | 4 7/8" | 2 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition 2-3-P | 2-Series | 2-3-P | 6 3/8" | 2 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition 2-3-S | 2-Series | 2-3-S | 6 1/2" | 1 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition 2-3-T | 2-Series | 2-3-T | 5 7/8" | 2 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition 2-6 | 2-Series | 2-6 | 7 1/4" | 2 | 5/8" | 6" | - | - | 49 | |
| 3-Series | | | | | | | | | | |
| Wall Partition 3-3-A | 3-Series | 3-3-A | 5 1/2" | 3 | 5/8" | 3 5/8" | - | - | 49 | |
| Wall Partition 3-6-A | 3-Series | 3-6-A | 7 7/8" | 3 | 5/8" | 6" | - | - | 49 | |
| 4-Series | | | | | | | | | | |
| Wall Partition 4-3-A | 4-Series | 4-3-A | 6 1/8" | 4 | 5/8" | 3 5/8" | - | - | | |
| C-Series | | | | | | | | | | |
| Wall Partition C-5 | C-Series | C-5 | 5" | - | - | - | - | - | | |
| Wall Partition C-6 | C-Series | C-6 | 6" | - | - | - | - | - | | |
| Wall Partition C-8 | C-Series | C-8 | 8" | - | - | - | - | - | | |
| Wall Partition C-10 | C-Series | C-10 | 10" | - | - | - | - | - | | |
| Wall Partition C-10-3 | C-Series | C-10-3 | 10" | - | - | - | 3 | - | | |
| Wall Partition C-12 | C-Series | C-12 | 1'-0" | - | - | - | - | - | | |
| Wall Partition C-12-3 | C-Series | C-12-3 | 1'-0" | - | - | - | 3 | - | | |
| Wall Partition C-13 | C-Series | C-13 | 1'-1" | - | - | - | - | - | | |
| Wall Partition C-14 | C-Series | C-14 | 1'-2" | - | - | - | - | - | | |
| Wall Partition C-15 | C-Series | C-15 | 1'-3" | - | - | - | - | - | | |
| Wall Partition C-18 | C-Series | C-18 | 1'-8" | - | - | - | - | - | | |
| Wall Partition C-24 | C-Series | C-24 | 2'-0" | - | - | - | - | - | | |
| Wall Partition C-35 | C-Series | C-35 | 2'-11" | - | - | - | - | - | | |
| Wall Partition GC-8 | C-Series | GC | 8" | - | - | - | 3 | - | | |
| CH-Series | | | | | | | | | | |
| Wall Partition CH-3 | CH-Series | CH-3 | 3 3/4" | 3 | Varies | 2 1/2" | - | - | CH "STUD SIZE" COLUMN REFERS TO NOMINAL CAVITY WIDTH | |
| Wall Partition CH-4-2 | CH-Series | CH-4-2 | 5 1/4" | 3 | Varies | 4" | - | - | CH "STUD SIZE" COLUMN REFERS TO NOMINAL CAVITY WIDTH | |
| Wall Partition CH-4-3 | CH-Series | CH-4-3 | 5 7/8" | 4 | Varies | 4" | - | - | CH "STUD SIZE" COLUMN REFERS TO NOMINAL CAVITY WIDTH | |
| M-Series | | | | | | | | | | |
| Wall Partition M-4 | M-Series | M-4 | 3 5/8" | - | - | - | - | - | | |
| Wall Partition M-6 | M-Series | M-6 | 5 5/8" | - | - | - | 2 | - | 49 | |
| Wall Partition M-8 | M-Series | M-8 | 7 5/8" | - | - | - | - | - | 49 | |
| Wall Partition M-8-1 | M-Series | M-8 | 7 5/8" | - | - | - | 1 | - | 49 | |
| Wall Partition M-8-2 | M-Series | M-8-2 | 7 5/8" | - | - | - | 2 | U905 | 49 | |
| Wall Partition M-8-2 and 1-3 Compound | M-Series | M-8/1-3 | 11 7/8" | - | - | - | 2 | U905 | 49 | |
| Wall Partition M-8-3 | M-Series | M-8-3 | 7 5/8" | - | - | - | 3 | U904 | 49 | |
| Wall Partition M-8-A | M-Series | M-8-A | 11 3/8" | 2 | 5/8" | - | 1 | - | 49 | |
| Wall Partition M-10 | M-Series | M-10 | 9 5/8" | - | - | - | - | U905 | 49 | |
| Wall Partition M-10-1 | M-Series | M-10-1 | 9 5/8" | - | - | - | 1 | U905 | 49 | |
| Wall Partition M-10-2 | M-Series | M-10-2 | 9 5/8" | - | - | - | 2 | U905 | 49 | |
| Wall Partition M-10-3 | M-Series | M-10-3 | 9 5/8" | - | - | - | 3 | U905 | 49 | |
| Wall Partition M-12 | M-Series | M-12 | 1'-0" | - | - | - | 2 | U904 | 49 | |
| Wall Partition M-12-3 | M-Series | M-12 | 1'-0" | - | - | - | 3 | U904 | 49 | |
| ST-Series | | | | | | | | | | |
| Wall Partition ST-3 | ST-Series | ST-3 | 8 1/2" | 4 | - | - | - | U425/U905 | 49 | |
| SEE SECTOR PLANS FOR RATING REQUIREMENTS | | | | | | | | | | |
| Wall Partition ST-4 Galv Wire Fabric | ST-Series | ST-4 | 2" | - | - | - | - | - | | |
| Wall Partition ST-5-2 | ST-Series | ST-5 | 8 1/2" | 4 | - | - | - | U425/U905 | 49 | |
| E-Series | | | | | | | | | | |
| Existing Walls | E | Varies | | | | | | | See plans for required rating. | |



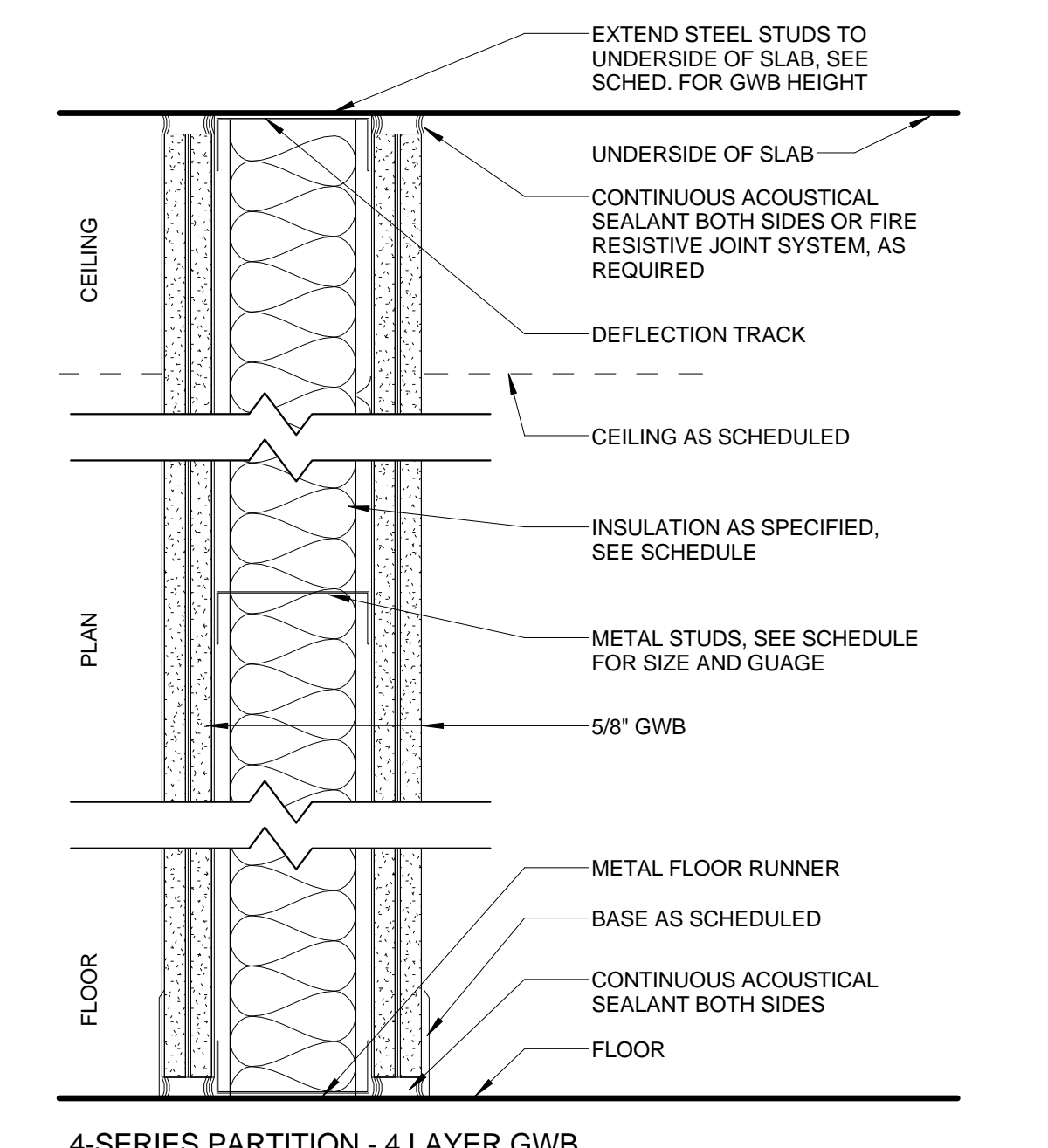
CH-SERIES PARTITION
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



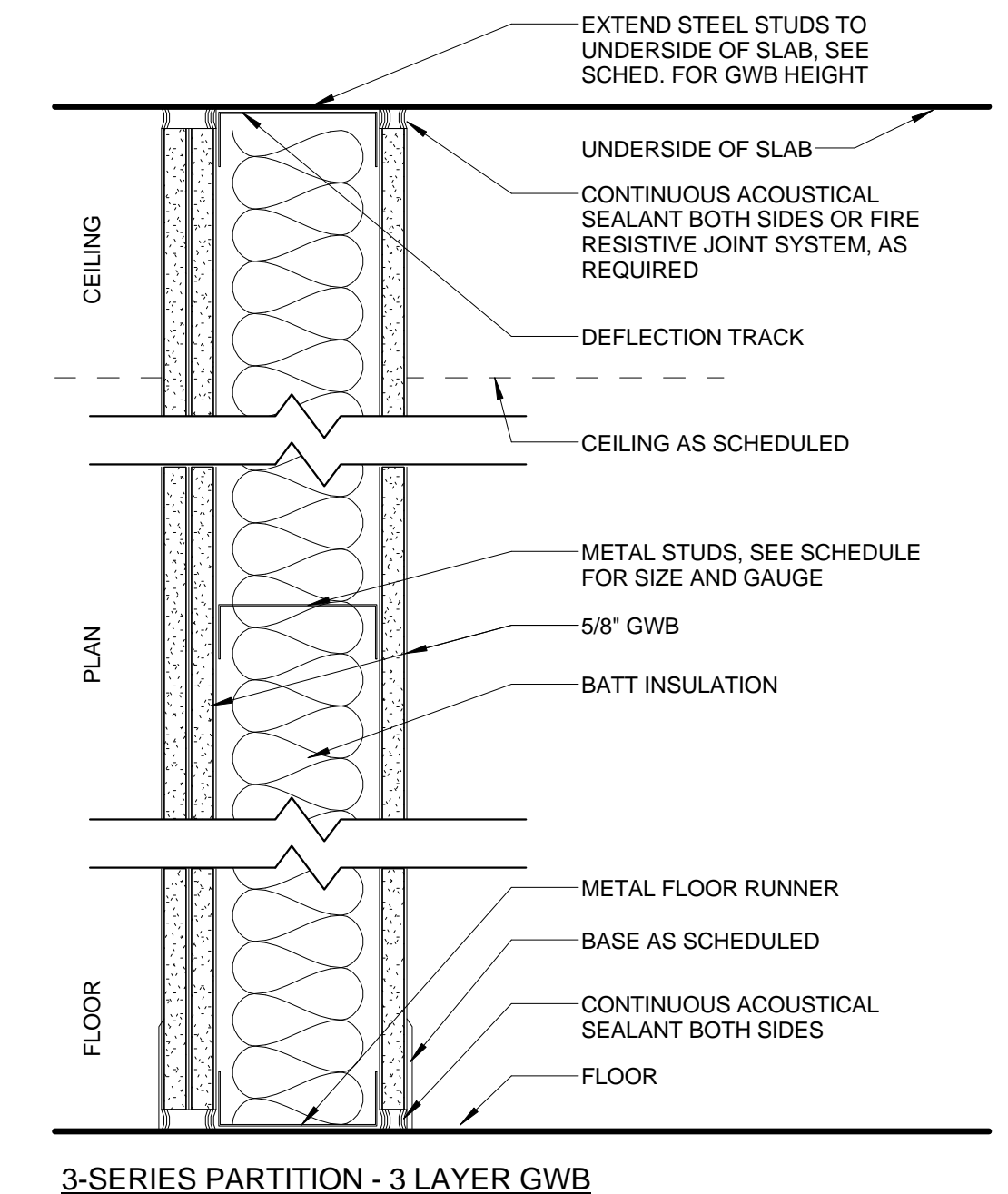
T-SERIES PARTITION - 2 LAYER GWB (2-3-T)
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



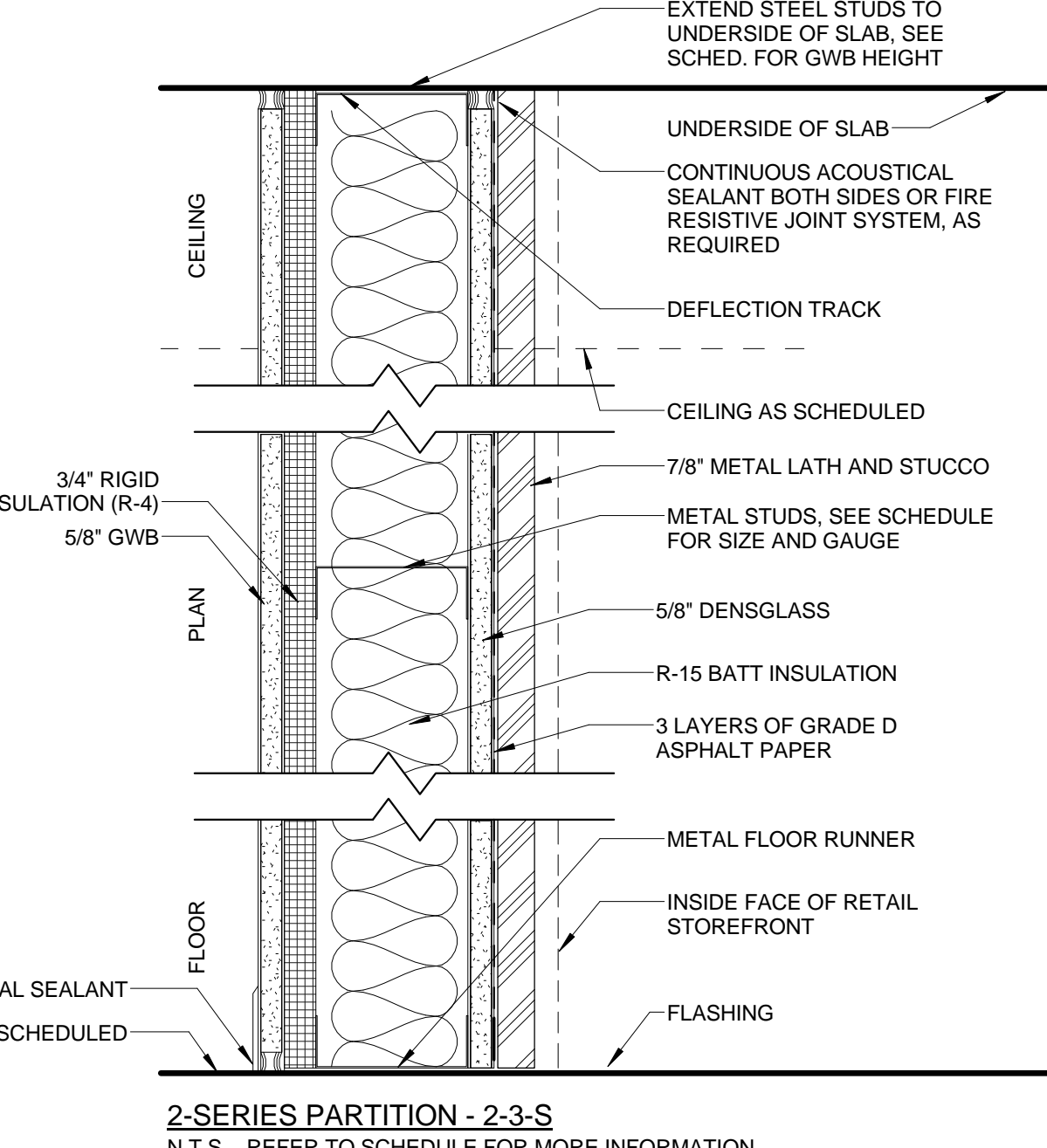
M-SERIES CMU WALL
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



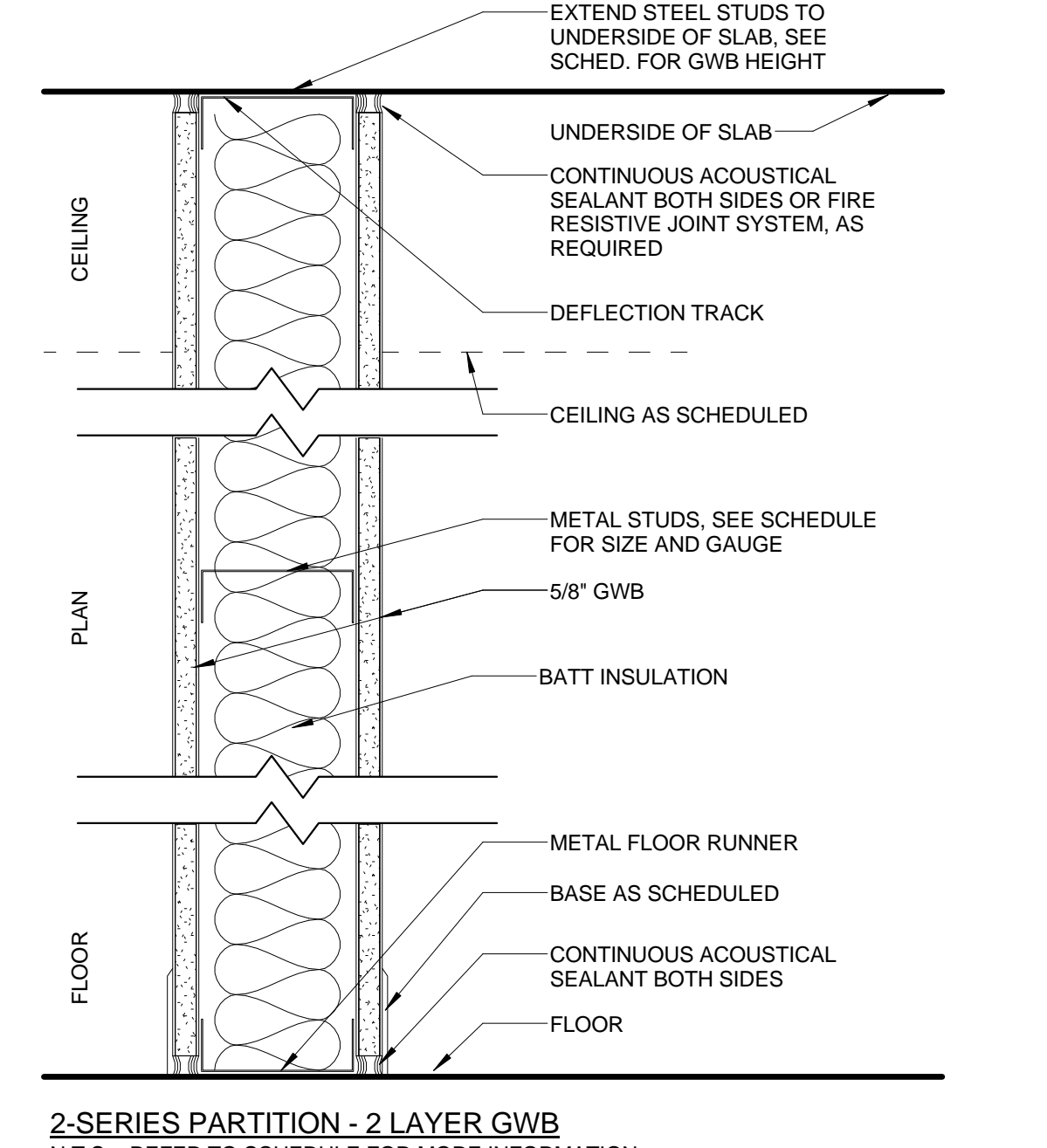
4-SERIES PARTITION - 4 LAYER GWB
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



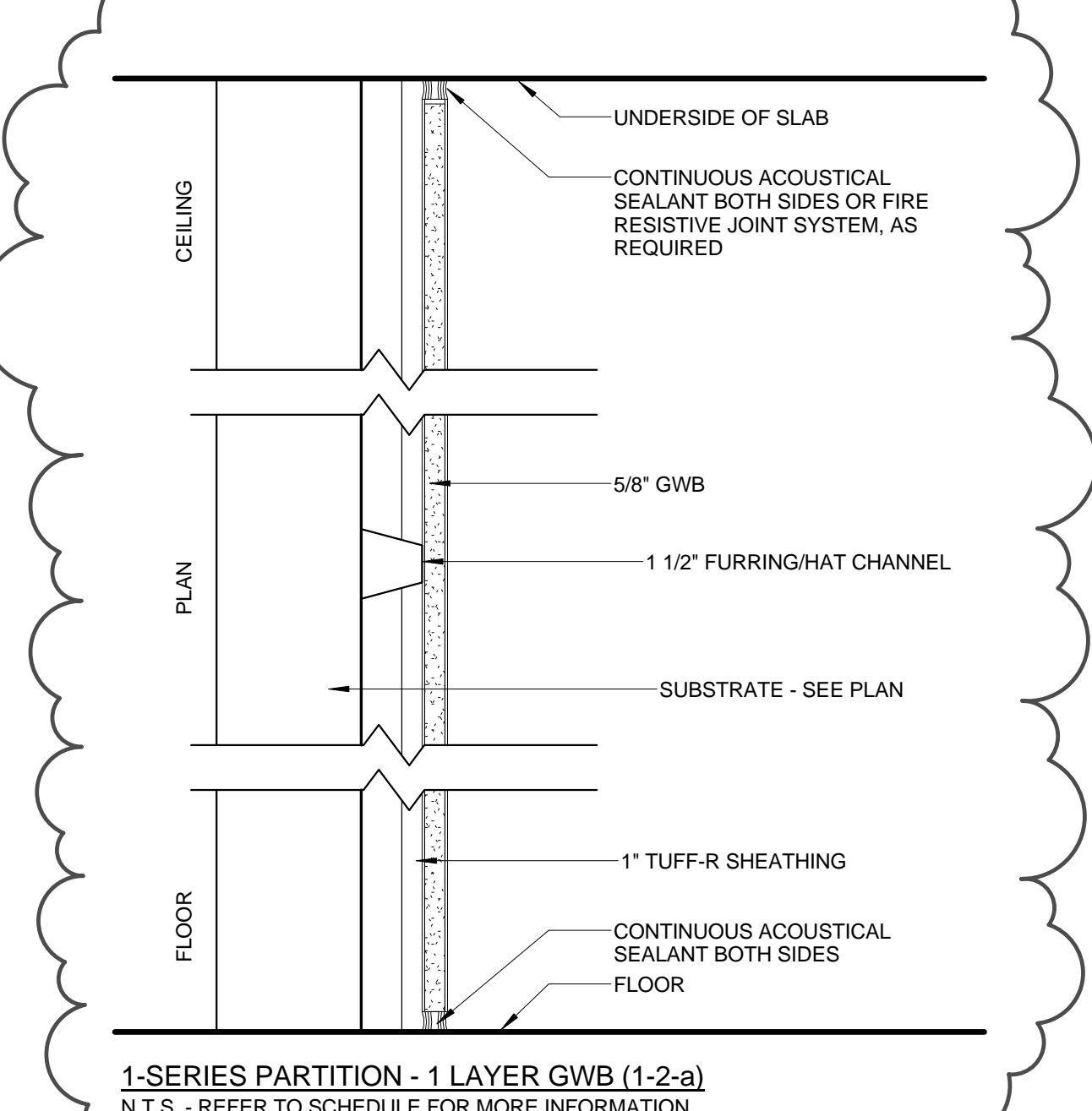
3-SERIES PARTITION - 3 LAYER GWB
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



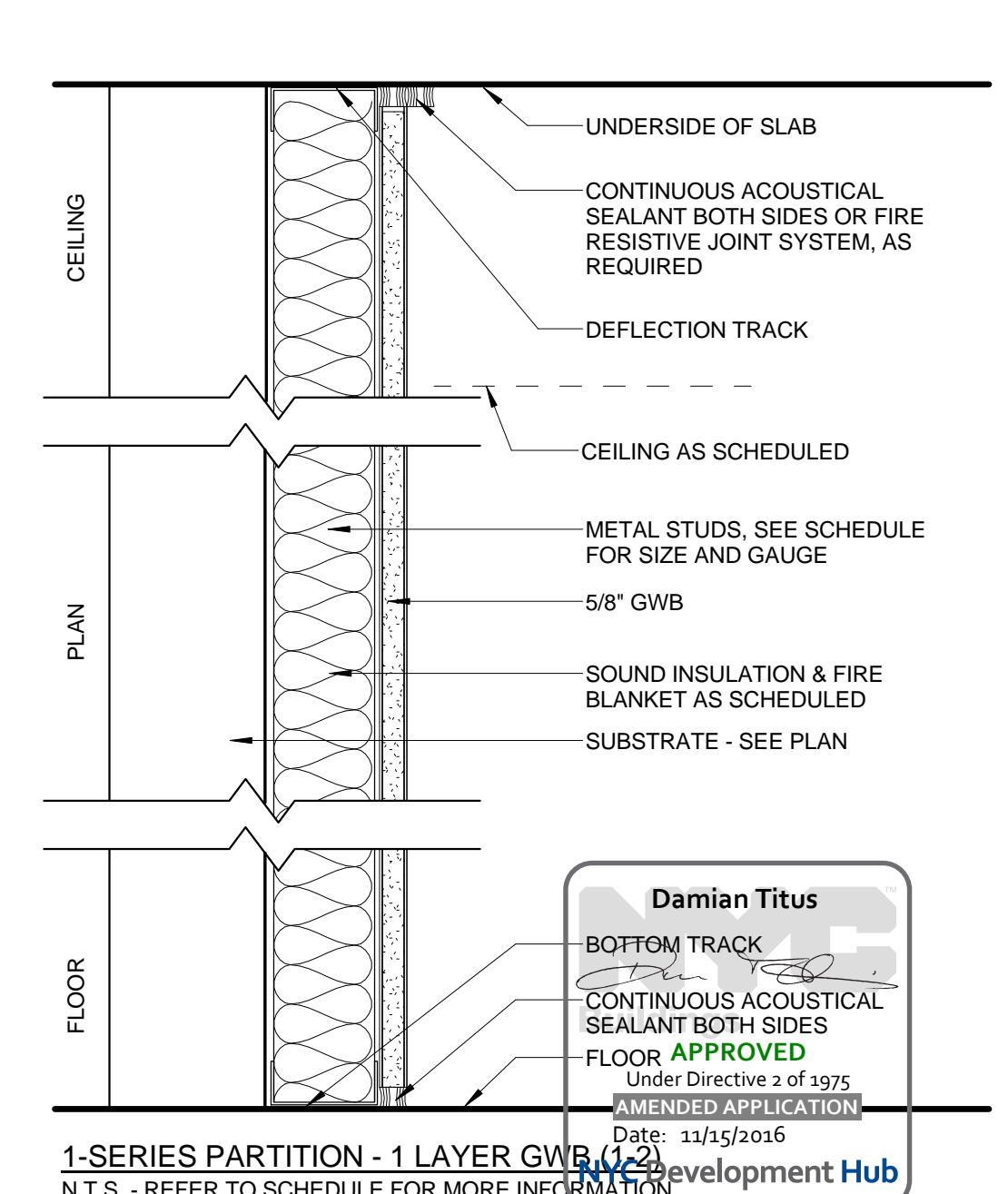
2-SERIES PARTITION - 2-3-S
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



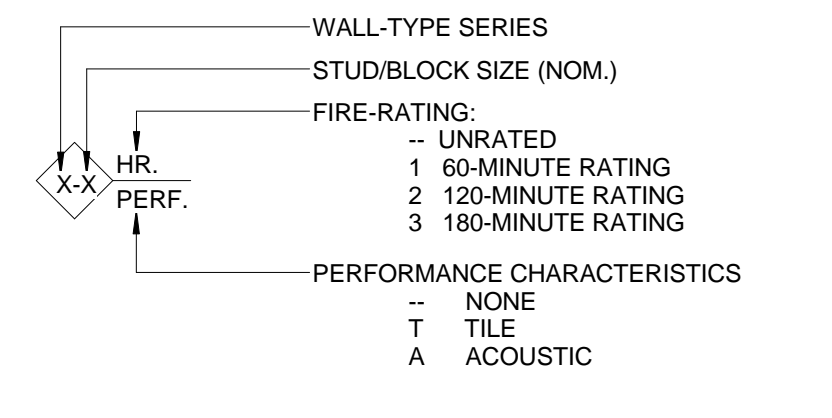
2-SERIES PARTITION - 2 LAYER GWB
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



1-SERIES PARTITION - 1 LAYER GWB (1-2-A)
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



1-SERIES PARTITION - 1 LAYER GWB
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



GENERAL NOTES:
 1. INSULATION TYPES IDENTIFY MATERIALS IN SPECIAL PARTITION TYPES AND MAY BE USED AS A PERFORMANCE CHARACTERISTIC OF A STANDARD PARTITION TYPE. SEE SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.
 2. DOUBLE 18-GAUGE STUDS SHALL BE INSTALLED ON EACH SIDE OF ALL DOOR OPENINGS AND AREAS THAT WILL SUPPORT BINS, CABINETS OR SHELVING.
 3. FOR C-SERIES, SEE PLANS FOR REQUIRED RATING U.N.O. ASSEMBLY TO COMPLY WITH NY STATE BUILDING CODE, SECTION 720.
 4. FOR GWB TYPES SEE SPECIFICATIONS U.N.O.
 5. WALL FINISHES NOT SHOWN. SEE FINISH SCHEDULE FOR WALL FINISHES.

| SPACE USE/ RECOMMENDED NC | |
|---------------------------|------------------------------|
| SPACE TYPE/USE | RECOMMENDED BACKGROUND NOISE |
| CONTROL ROOM & PSCC | NC-35 |
| CONFERENCE ROOMS | NC-35 |
| PRIVATE OFFICES | NC-35 |
| OPEN PLAN OFFICES | NC-40 |
| LUNCH ROOM | NC-40 |
| CORRIDORS | NC-45 |
| LOCKER ROOMS | NC-45 |

HUDSON YARDS - PLATFORM + MOE REBUILD
 Address: 530 WEST 33RD STREET
 NEW YORK, NY

Client:
 Related Companies
 60 Columbus Circle
 New York, NY 10023
 TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
 320 Park Avenue, 17th Floor
 New York, NY 10022
 TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager:
 Tutor Perini Building Corporation
 340 West 31st Street, Suite 1510
 New York, NY 10001
 TEL: 646.569.4200

Architect:
 Robin Pedersen Fox Associates
 Architects & Planning Consultants
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Structural Engineer:
 Thornton Tomasetti, Inc.
 51 Madison Avenue
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 TEL: 917.661.7800 FAX: 917.661.7801

Mechanical, Electrical, Plumbing, Fire Protection:
 Parsons Transportation Group
 100 Broadway
 New York, NY 10005
 TEL: 212.266.8300 FAX: 212.571.6825

LIR Ventilation:
 One Arup & Partners P.C.
 77 Water Street
 New York, NY 10005
 212.896.3000

LIR Substation:
 ARCLON
 605 Third Avenue
 New York, NY 10158
 TEL: 212.973.9200 FAX: 212.682.6172

| No. | Description | Date |
|-----|---|------------|
| 25 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 24 | AS-M-013 | 6/24/2016 |
| 23 | AS-M-019 | 3/16/2016 |
| 22 | AS-M-038 | 1/12/2015 |
| 21 | AS-M-036 | 1/25/2015 |
| 20 | AS-M-026 | 7/07/2015 |
| 19 | L.R.R. - Platform Permit Submission | 6/05/2015 |
| 18 | L.R.R. - Mo.E. Final 100% Design Submission for Records | 5/05/2015 |
| 17 | AS-M-020 | 4/27/2015 |
| 16 | AS-M-018 | 3/23/2015 |
| 15 | AS-M-012 | 11/26/2014 |
| 14 | AS-E-093 | 11/21/2014 |
| 13 | AS-M-011 | 11/12/2014 |
| 12 | L.R.R. - Final 100% Design Submission | 10/14/2014 |
| 11 | AS-I-049 | 10/14/2014 |
| 10 | L.R.R. - Mo.E. Permit Submission | 8/01/2014 |
| 9 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8 | L.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 7 | DOB SUBMISSION | 10/18/2013 |
| 6 | L.R.R. - 90% MoE SUBMISSION | 10/04/2013 |
| 5 | L.R.R. - 60% SUBMISSION | 8/09/2013 |
| 4 | L.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 3 | NYC DOB Filing | 6/17/2013 |
| 2 | L.R.R. - 60% SUBMISSION | 5/29/2013 |
| 1 | L.R.R. - 30% SUBMISSION | 2/15/2013 |
| | As: Architect | Date |

As: Plan

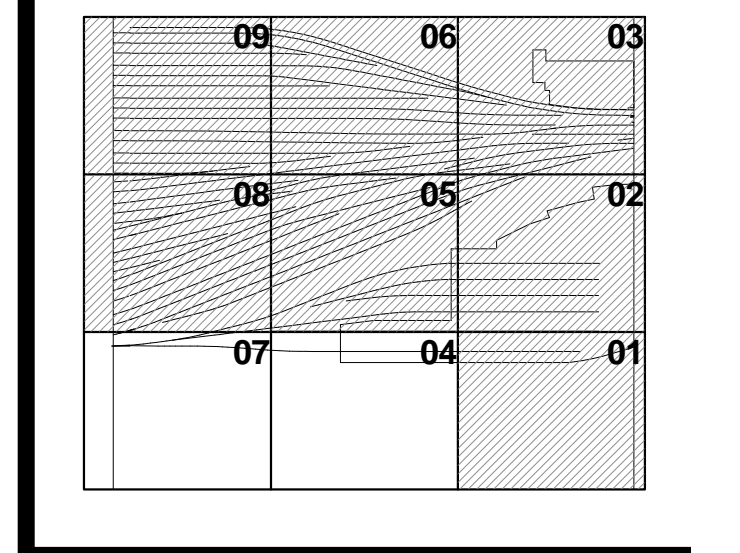
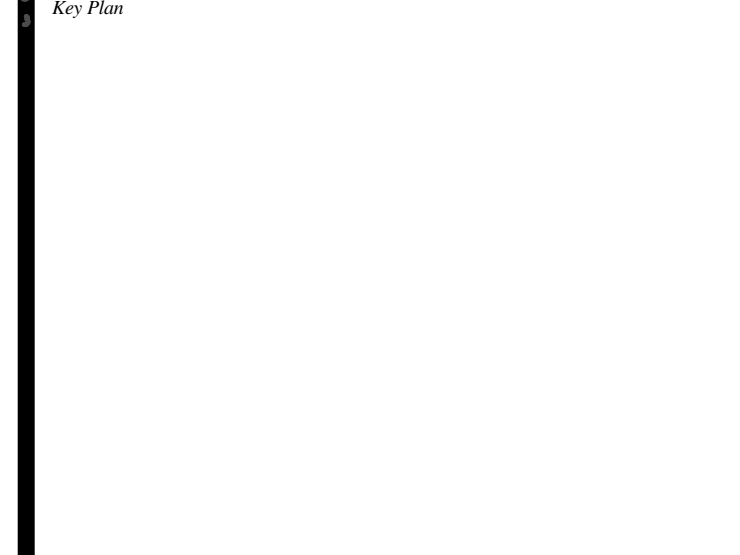
Date: 04/15/2015
 Project No: 218
 Drawing No: 218
 Author: Damian Titus

HYE-MOE-A-601.00
HYE-PL-A-601.00

TYPICAL PARTITION TYPES

Rev: 11/25/2015
 Development Hub

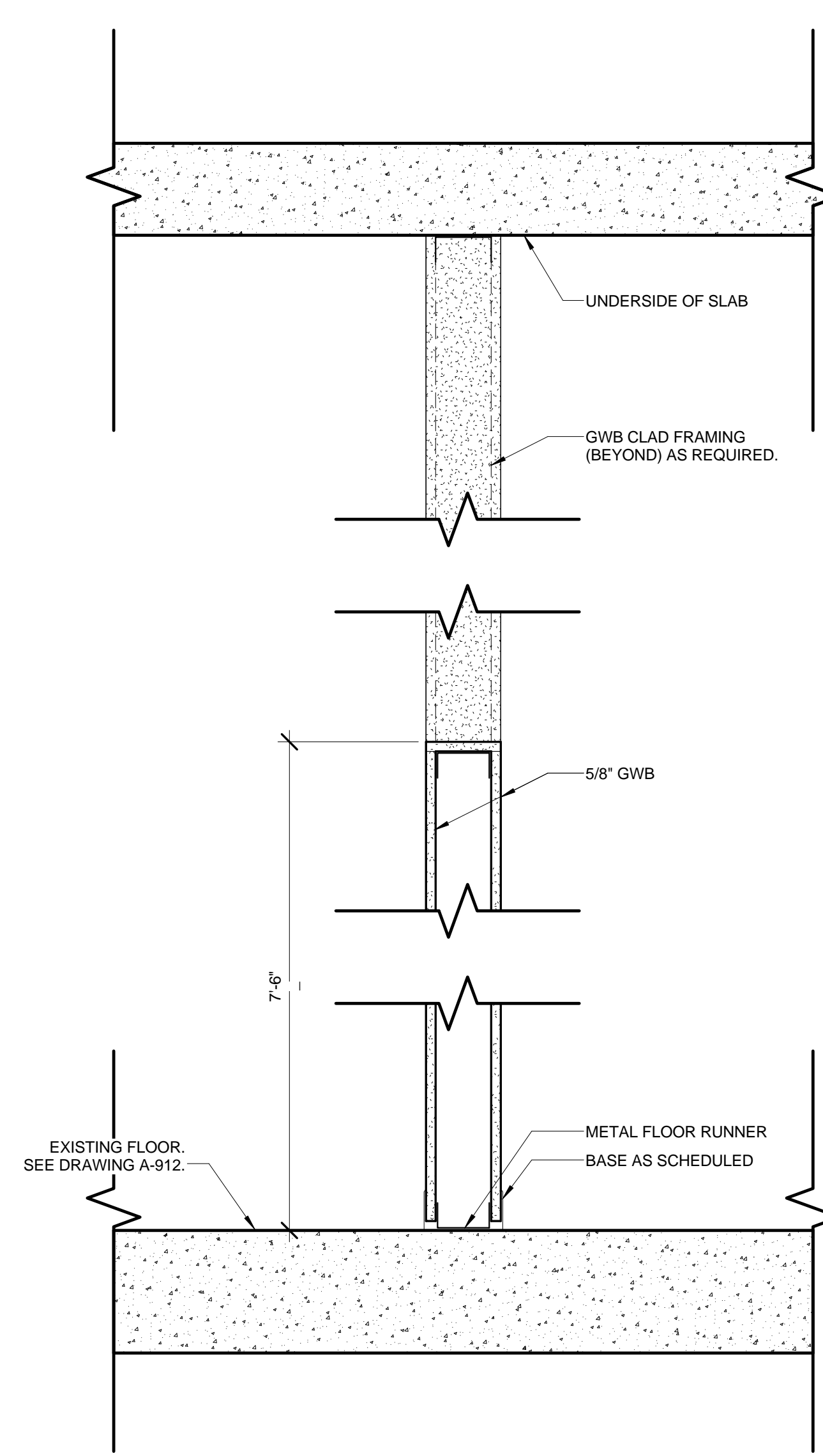
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| 18 | ASL-0113 | 4/6/2016 |
| 17 | ASL-M-033 | 11/13/2015 |
| 16 | ASL-0108 | 10/09/2015 |
| 15 | L.I.R.R. - Platform Permit Submission | 6/05/2015 |
| 14 | L.I.R.R. - M.o.E. Final 100% Design Submission for Records | 5/05/2015 |
| 13 | ASL-M-018 | 3/23/2015 |
| 12 | L.I.R.R. - Final 100% Design Submission for Records | 10/14/2014 |
| 11 | ASL-049 | 10/14/2014 |
| 10 | L.I.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 9 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8 | L.I.R.R. - Pre-Final 100% M.o.E. SUBMISSION | 5/2/2014 |
| 7 | DOB SUBMISSION | 11/22/2013 |
| 6 | L.I.R.R. - 90% M.o.E. SUBMISSION | 10/18/2013 |
| 5 | L.I.R.R. - 60% SUBMISSION | 10/04/2013 |
| 4 | L.I.R.R. - 60% M.o.E. SUBMISSION | 8/09/2013 |
| 3 | L.I.R.R. - 60% SUBMISSION | 7/12/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 60% SUBMISSION | 5/29/2013 |
| 0 | L.I.R.R. - 30% SUBMISSION | 2/15/2013 |



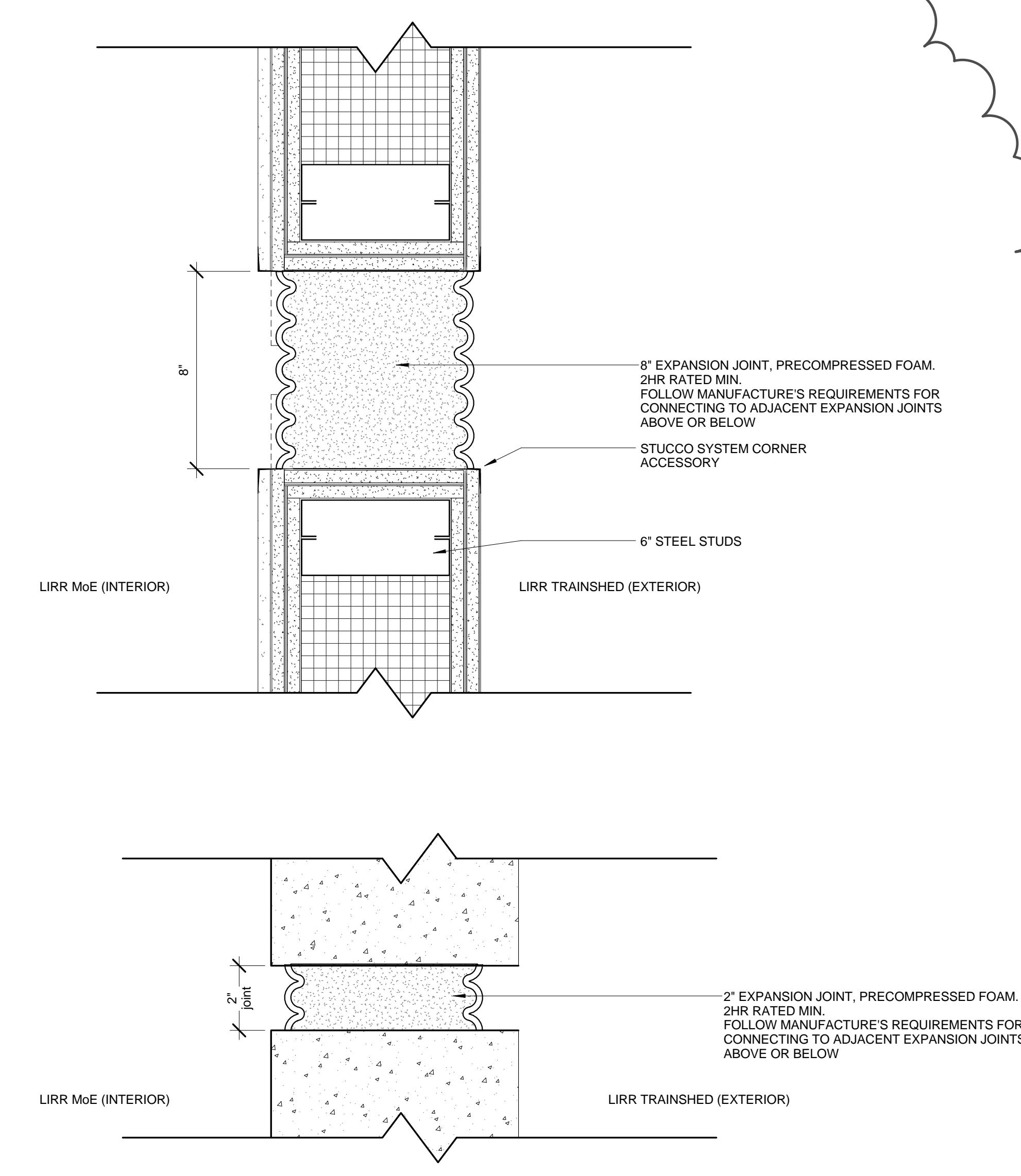
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Project No: 219
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Sheet Number: HYE-MOE-A-602.00
Drawing Title: HYE-PL-A-602.00

SPECIALTY PARTITION TYPES

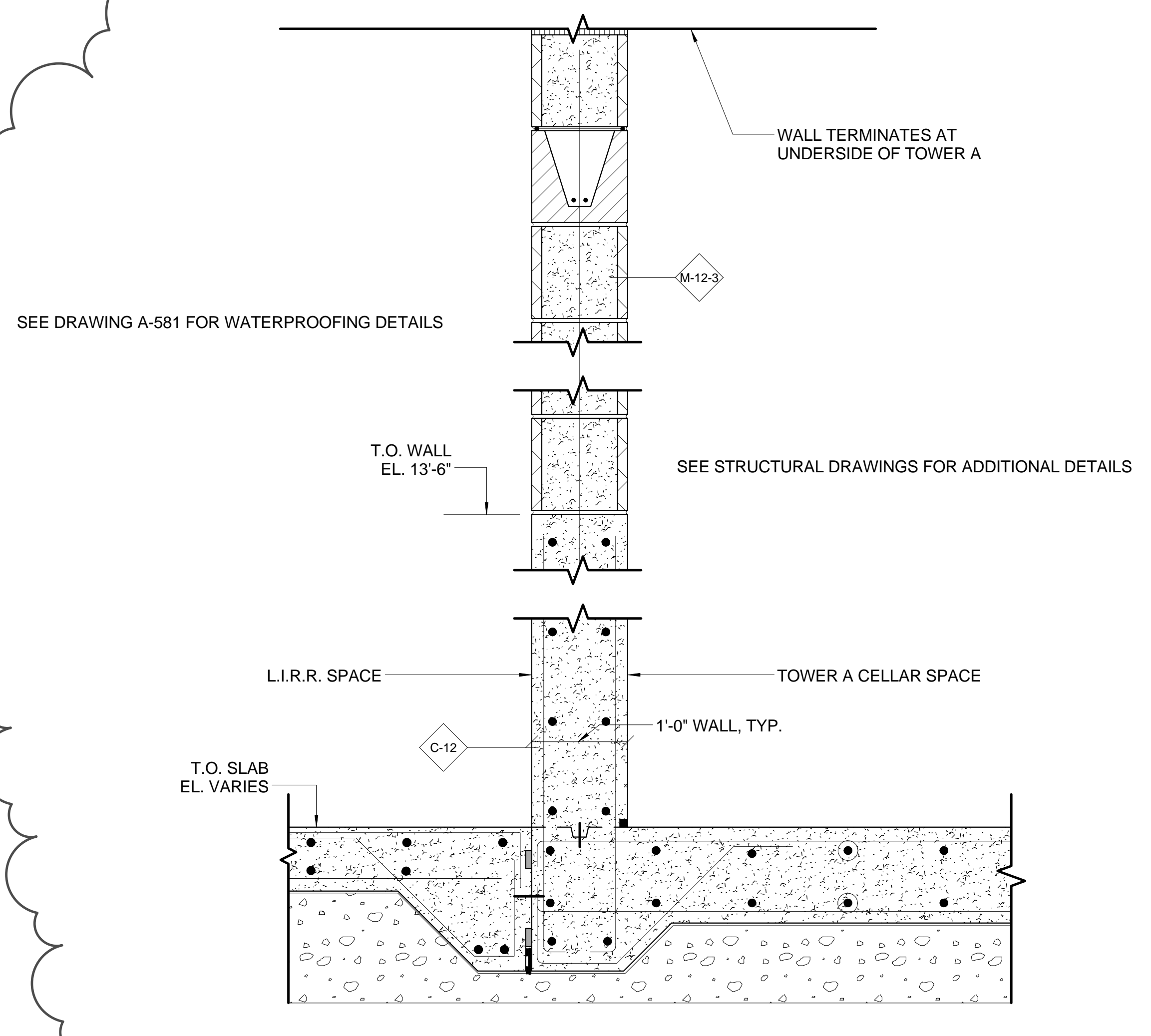
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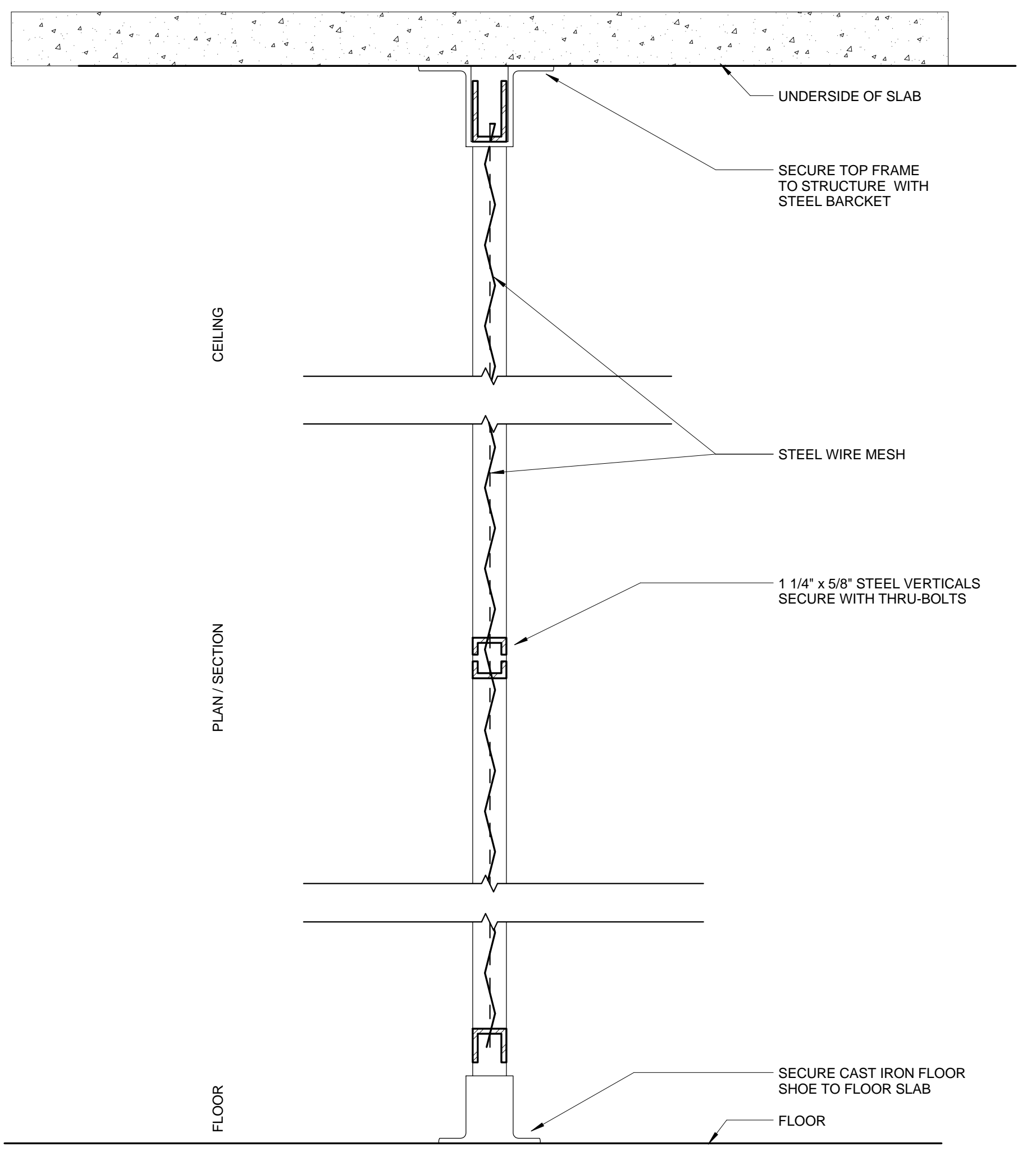
3 SEC_DTL_SIGNAL EQUIPMENT ROOM PARTITION
SCALE: 1 1/2" = 1'-0"



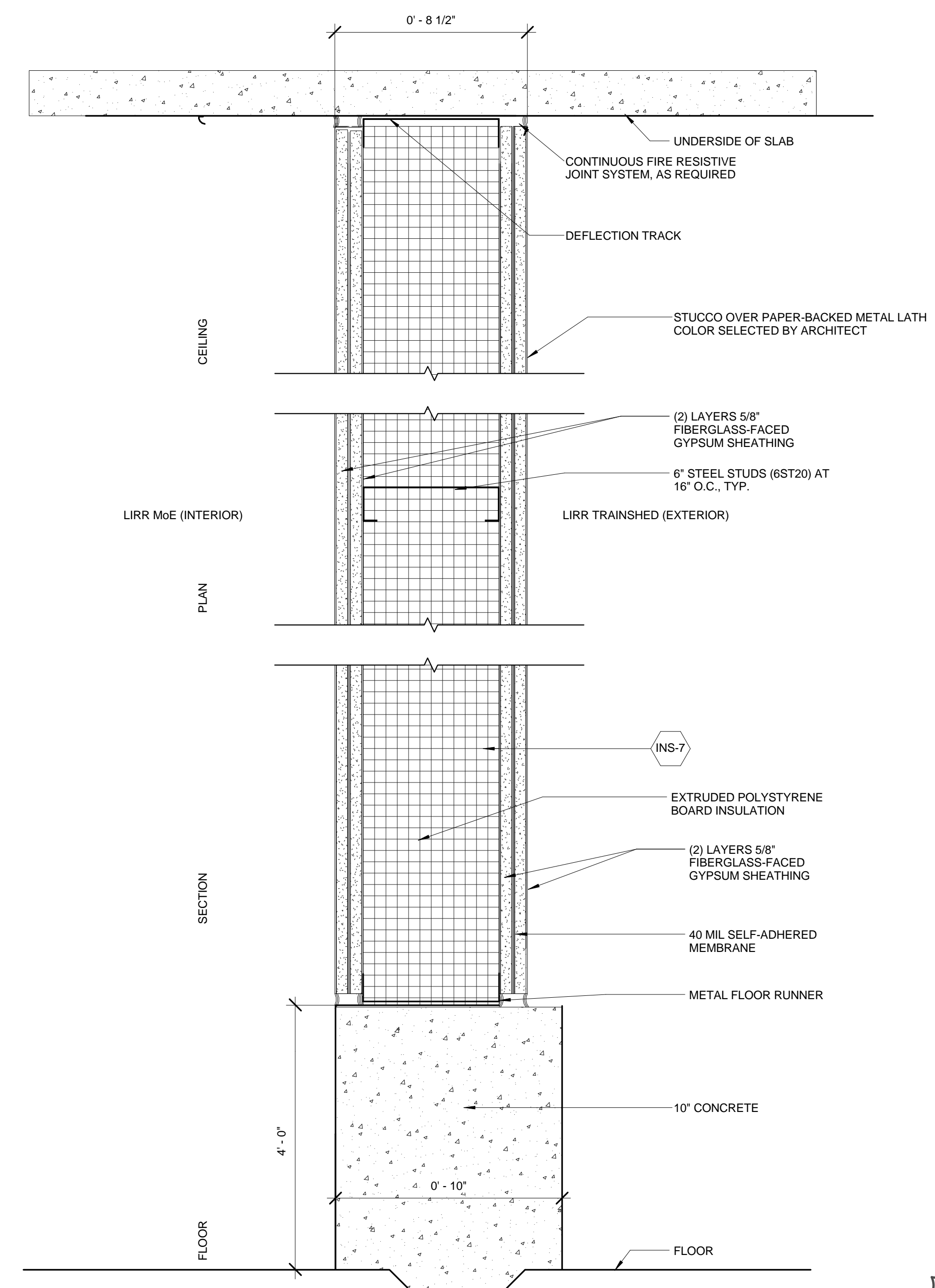
ST3-SERIES PARTITION EXPANSION JOINT PLAN DETAIL UPPER AND LOWER PORTIONS OF WALL TYPE
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



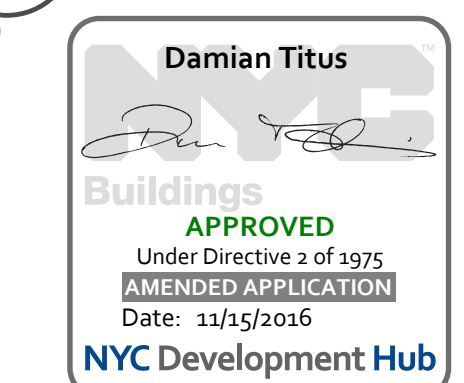
2 PRESSURE WALL/CMU DETAIL TA CELLAR
SCALE: 1" = 1'-0"



ST4-SERIES PARTITION
N.T.S. - REFER TO SCHEDULE AND SPECIFICATION SECTION 102213 FOR MORE INFORMATION



ST3-SERIES PARTITION
N.T.S. - REFER TO SCHEDULE FOR MORE INFORMATION



Address:
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NEW YORK, NY

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60 Columbus Circle
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Oxford Properties Group
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New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager
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340 West 31st Street, Suite 1510
New York, NY 10001
TEL: 646.569.4200

Architect
Kohn Pedersen Fox Associates
Architects & Planning Consultants
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6000 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

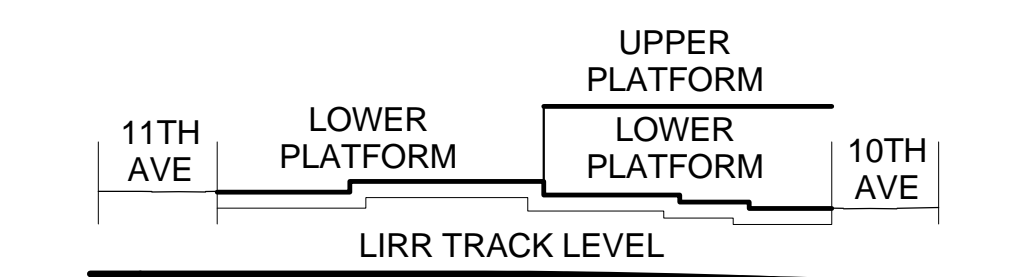
Mechanical, Electrical, Plumbing, Fire Protection
Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

LIRR Substation
AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

MOE GENERAL NOTES

- HATCHED AREA DENOTES PROPOSED PLATFORM SCOPE (NON-MOE)
- HATCHED AREA DENOTES PODIUM SHELL SPACE CONSTRUCTED UNDER MOE REBUILD SCOPE - FILED UNDER JOB #140332343
- HATCHED AREA DENOTES MOE REBUILD SCOPE

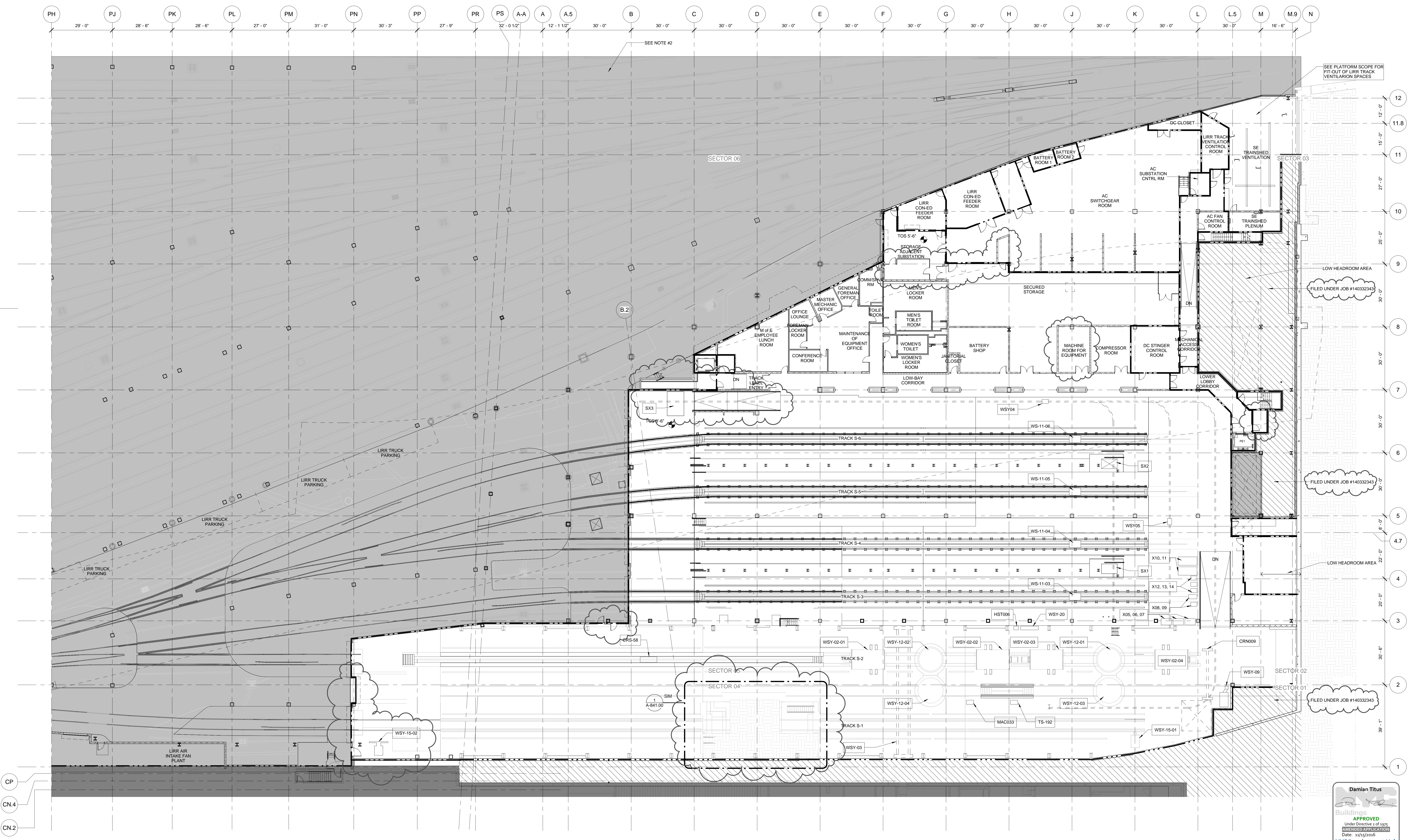
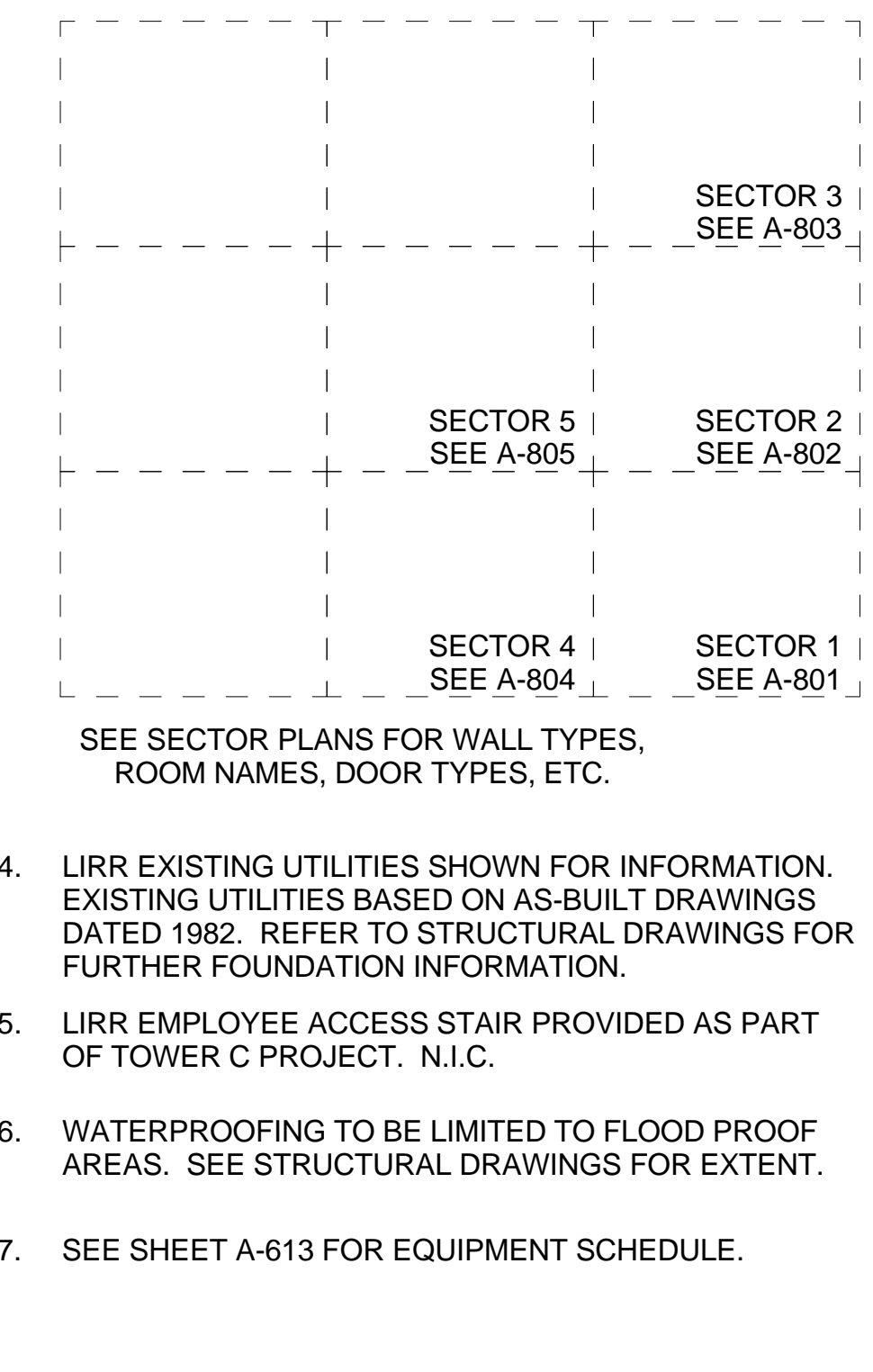


SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

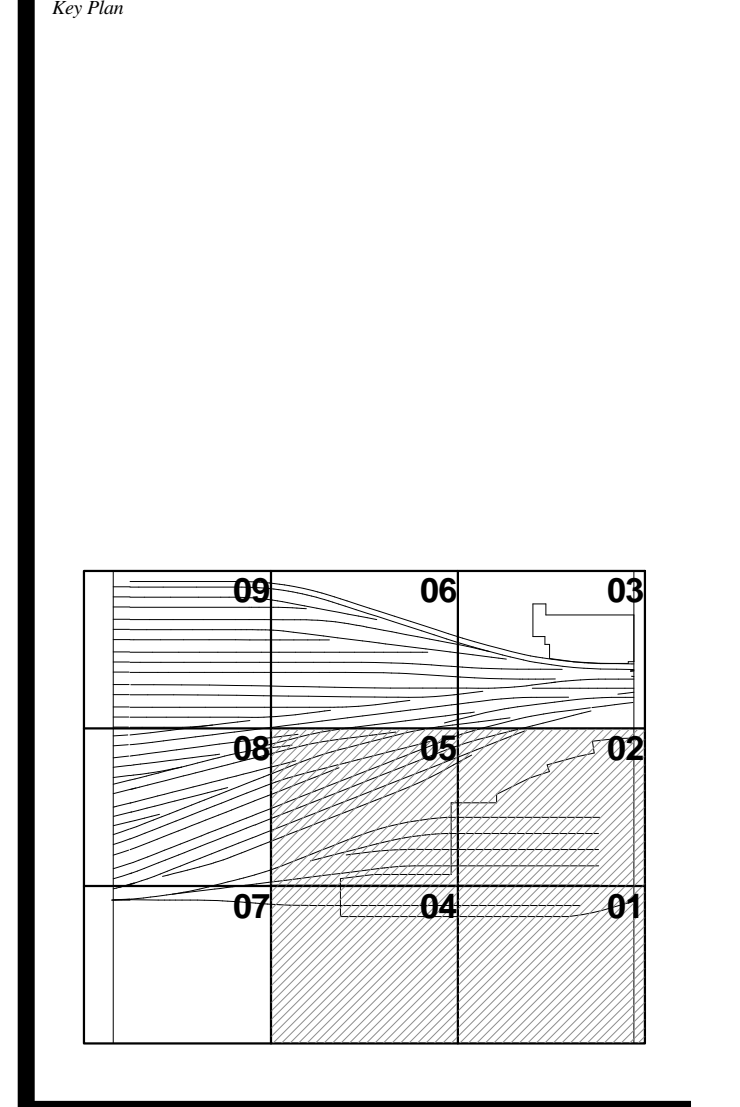
| SYMBOL KEY | |
|------------|-----------------------------------|
| | 1-HOUR RATED PARTITION/SEPARATION |
| | 2-HOUR RATED PARTITION/SEPARATION |
| | 3-HOUR RATED PARTITION/SEPARATION |
| | SMOKE PARTITION/SEPARATION |

SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

- LIRR EXISTING UTILITIES SHOWN FOR INFORMATION EXISTING UTILITIES BASED ON AS-BUILT DRAWINGS DATED 1982. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.
- WATERPROOFING TO BE LIMITED TO FLOOD PROOF AREAS. SEE STRUCTURAL DRAWINGS FOR EXTENT.
- SEE SHEET A-613 FOR EQUIPMENT SCHEDULE.



| | | |
|----|---|------------|
| 21 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 20 | AS-M-046 | 2/15/2016 |
| 19 | AS-M-045 | 7/7/2016 |
| 18 | MoE 100% Wheel Tower Design Submission Rev. 1 | 5/31/2016 |
| 17 | AS-M-041 | 4/13/2016 |
| 16 | MoE 100% Wheel Tower Design Submission | 3/23/2016 |
| 15 | AS-M-038 | 1/12/2015 |
| 14 | L.I.R.R. - MoE Final 100% Design Submission for Records | 5/05/2015 |
| 13 | AS-M-018 | 3/23/2015 |
| 12 | AS-M-012 | 11/26/2014 |
| 11 | AS-M-011 | 11/11/2014 |
| 10 | L.I.R.R. - MoE Permit Submission | 8/01/2014 |
| 9 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 7 | L.I.R.R. - Pre-Final 100% Rev.01 | 1/15/2014 |
| 6 | MoE PLATFORM SUBMISSION | 11/22/2013 |
| 5 | L.I.R.R. - 60% MoE SUBMISSION | 10/18/2013 |
| 4 | L.I.R.R. - 60% MoE SUPPLEMENT | 8/02/2013 |
| 3 | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |



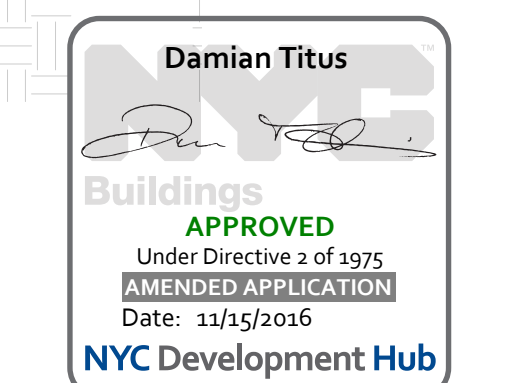
Date: 06/12/13
Project No: 219
Owner: NYCT
Sheet Number: A-800.01

HYE-MOE-A-800.01

FLOOR PLAN MoE TRACK LEVEL OVERALL PLAN

Drawn by: **A-800.01**

1 MoE TRACK LEVEL OVERALL PLAN
SCALE: 1/16" = 1'-0"



HUDSON YARDS - MOE REBUILD

Address: 530 WEST 33RD STREET
NEW YORK, NY

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Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Construction Manager: Turner Perm Building Corporation
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New York, NY 10001
TEL: 646.569.4200

Architect: Kohn Pedersen Fox Associates
Architects & Planning Consultants
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Structural Engineer: Thornton Tomasetti, Inc.
51 Madison Avenue
New York, NY 10010
TEL: 917.661.7800 FAX: 917.661.7801

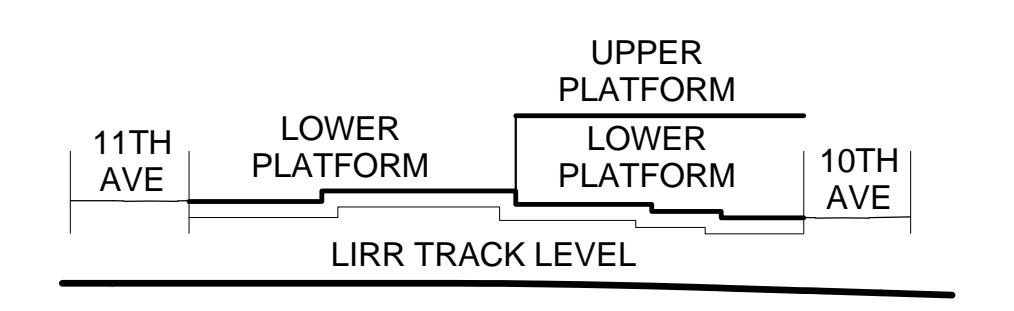
Mechanical, Electrical, Plumbing, Fire Protection: Parsons Transportation Group
100 Broadway
New York, NY 10005
TEL: 212.266.8300 FAX: 212.571.6825

LIRR Ventilation: Ove Arup & Partners P.C.
77 Water Street
New York, NY 10005
212.896.3000

LIRR Substation: AECOM
605 Third Avenue
New York, NY 10158
TEL: 212.973.9300 FAX: 212.682.6172

MOE GENERAL NOTES

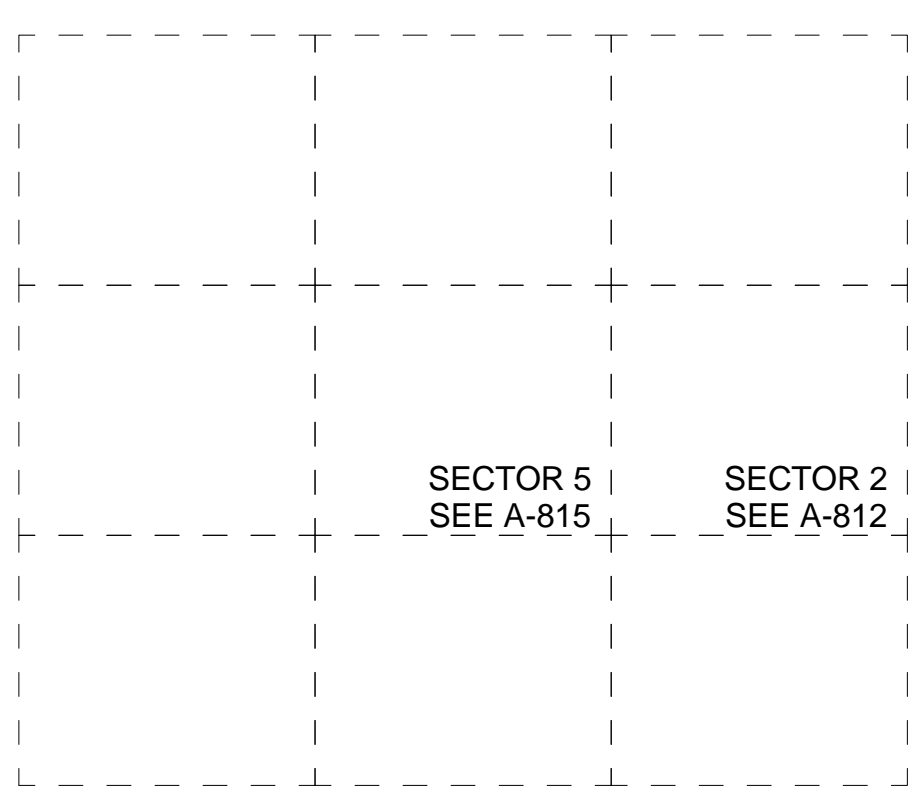
- HATCHED AREA [diagonal lines] DENOTES PROPOSED PLATFORM SCOPE (NON-MOE)
- HATCHED AREA [cross-hatch] DENOTES PODIUM SHELL SPACE CONSTRUCTED UNDER MOE REBUILD SCOPE - FILED UNDER JOB #140332343
- HATCHED AREA [dotted] DENOTES MOE REBUILD SCOPE



SEE A-020 FOR DIAGRAMMATIC VIEW OF 3-HR SEPARATION AND EXTENT OF LIRR TRAINYARD ENCLOSURE

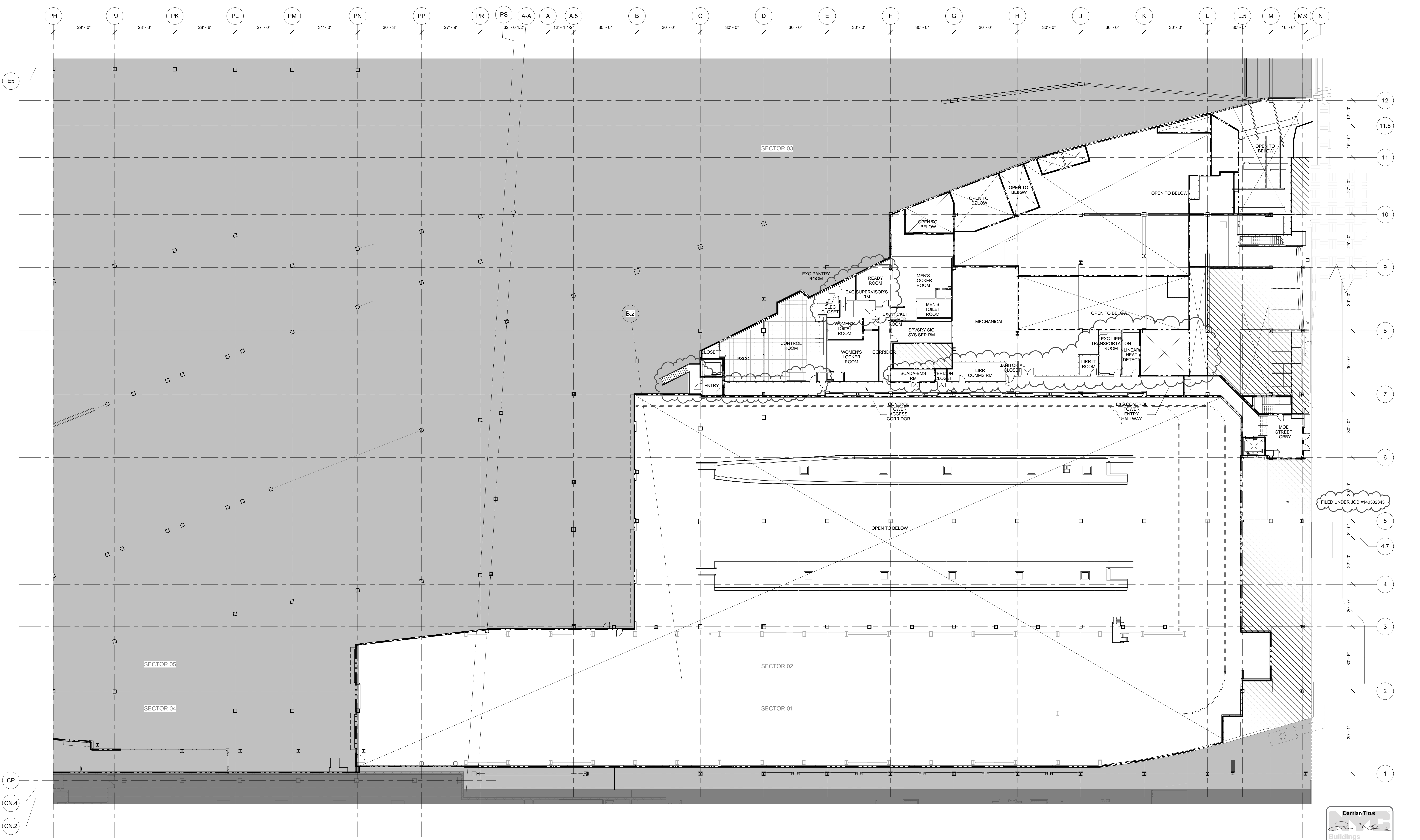
SYMBOL KEY

| | |
|--------------------|-----------------------------------|
| [dashed line] | 1-HOUR RATED PARTITION/SEPARATION |
| [dotted line] | 2-HOUR RATED PARTITION/SEPARATION |
| [thick solid line] | 3-HOUR RATED PARTITION/SEPARATION |
| [line with 'S'] | SMOKE PARTITION/SEPARATION |

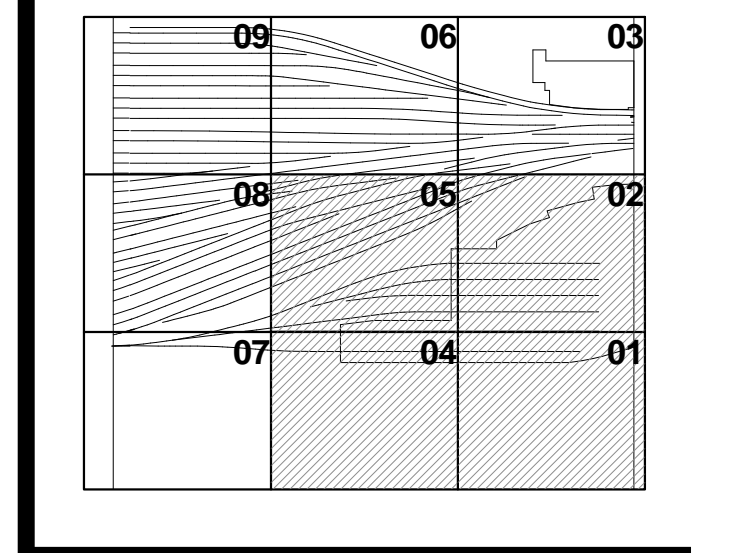
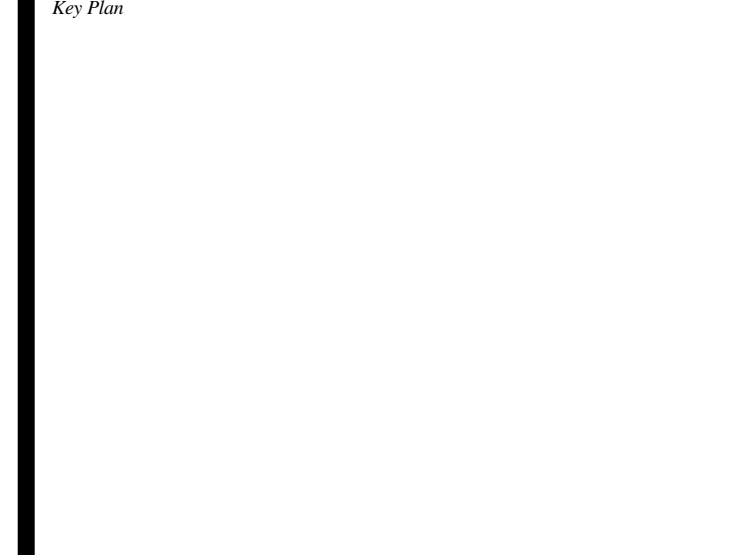


SEE SECTOR PLANS FOR WALL TYPES, ROOM NAMES, DOOR TYPES, ETC.

- LIRR EXISTING UTILITIES SHOWN FOR INFORMATION. EXISTING UTILITIES BASED ON AS-BUILT DRAWINGS DATED 1982. REFER TO STRUCTURAL DRAWINGS FOR FURTHER FOUNDATION INFORMATION.
- LIRR EMPLOYEE ACCESS STAIR PROVIDED AS PART OF TOWER C PROJECT. N.I.C.



| | | |
|----|--|------------|
| 19 | DOB POST-APPROVAL AMENDMENT | 10/28/2016 |
| 18 | AS-M-033 | 11/13/2015 |
| 17 | AS-M-032 | 10/13/2015 |
| 16 | AS-M-028 | 10/01/2015 |
| 15 | AS-M-026 | 7/07/2015 |
| 14 | L.I.R.R. - M.o.E. Final 100% Design Submission for Records | 5/05/2015 |
| 13 | AS-M-018 | 3/23/2015 |
| 12 | AS-M-012 | 11/26/2014 |
| 11 | AS-M-011 | 11/11/2014 |
| 10 | L.I.R.R. - M.o.E. Permit Submission | 8/01/2014 |
| 9 | DOB SUBMISSION UPDATE | 3/17/2014 |
| 8 | L.I.R.R. - Pre-Final 100% MoE SUBMISSION | 5/2/2014 |
| 7 | L.I.R.R. - Pre-Final 100% Rev.01 | 1/15/2014 |
| 6 | DOB SUBMISSION | 10/18/2013 |
| 5 | L.I.R.R. - 60% MoE SUBMISSION | 10/04/2013 |
| 4 | L.I.R.R. - 60% MoE SUPPLEMENT | 8/02/2013 |
| 3 | L.I.R.R. - 60% MoE SUBMISSION | 7/12/2013 |
| 2 | NYC DOB Filing | 6/17/2013 |
| 1 | L.I.R.R. - 30% MoE SUBMISSION | 6/14/2013 |
| | As | Architect |
| | By | Owner |



Date: 06/12/13
Project No: 2119
Drawing No: 1
Sheet Number: 1

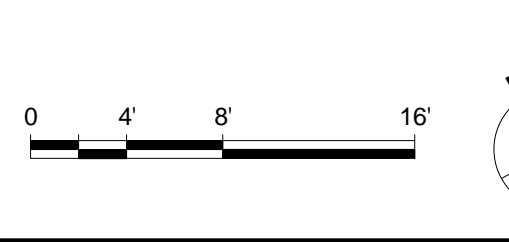
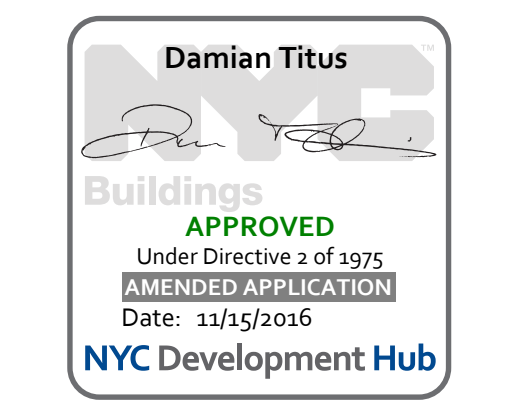
HYE-MOE-A-810.00

FLOOR PLAN MoE CONTROL TOWER/ ENTRY LEVEL OVERALL

Drawn by: A-810.01

MoE CONTROL TOWER/ ENTRY LEVEL OVERALL

SCALE: 1/16" = 1'-0"



Date: 11/5/2015