

BLOCK: 1158	LOT: 133	BIN: 1030358	CB: 107
CONSTRUCTION CLASSIFICATION:		I-A: 3 HOUR PROTECTED - NON COMBUST	
OCCUPANCY CLASSIFICATION:		R-2- RESIDENTIAL: APARTMENT HOUSES	
PROPOSED HEIGHT:		±642	
ZONING DIST:		R8-GENERAL RESIDENCE DISTRICT	
MAP NO.:		8c	
JOB APPLICATION NO.:		122887224 - NB	
BOX 9c CHECKED:		YES	
B.I.S. REQUIRED INFO ENTERED:		YES	

Site Safety Plan for:  
**200 AMSTERDAM AVE**  
**NEW YORK, NY**



# SITE SAFETY PLAN FOR A 51 STORY NEW BUILDING AT 200 AMSTERDAM AVE NEW YORK, NY 10024

**Owner**  
 AMSTERDAM AVE REDEVELOPMENT A  
 11 TIMES SQUARE  
 NEW YORK, NY 10036  
 PH: 201-592-1311  
 ATTN: VICTOR CIVDINI

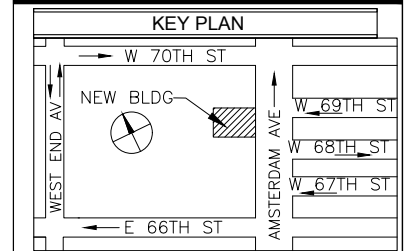
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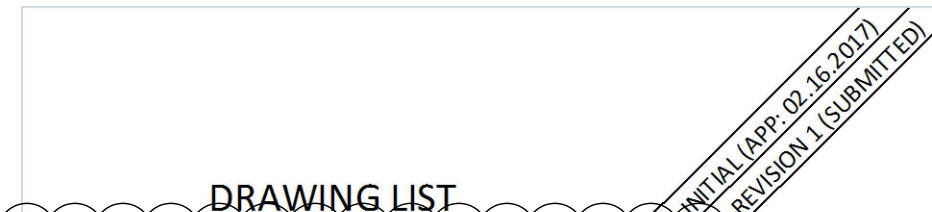
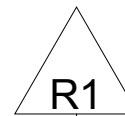


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PREPARED BY,



21 W 38TH STREET, 11TH FLOOR  
 NEW YORK, NY 10018  
 PH: 646-626-7373  
 ATTN: SANDEEP GUNNALA.



NO.	DESCRIPTION	DATE	BY	CHKD	APPD
SSP-001.01	TITLE SHEET			X	X
SSP-002.00	GENERAL NOTES			X	
SSP-100.01	TYPICAL EXCAVATION PLAN			X	X
SSP-110.01	TYPICAL FOUNDATION PLAN CELLAR LVL 3			X	X
SSP-120.01	TYPICAL FOUNDATION PLAN CELLAR LVL 2			X	X
SSP-130.01	TYPICAL FOUNDATION PLAN CELLAR LVL 1			X	X
SSP-900.00	TYPICAL DETAILS			X	

**RELATED APPLICATIONS:**

- 122887224 - NB
- 122887224 - FENCE
- 122887224 - STRUCTURAL
- 122887224 - SOE
- 122887224 - FOUNDATION
- 122887224 - PLUMBING
- SIDEWALK SHED TO BE FILED



B.E.S.T:	B.E.S.T SQUAD 2 LAFAYETTE STREET, 12TH FLOOR NEW YORK, NY 10007 (212) 602-0406
D.O.B.:	MANHATTAN BOROUGH OFFICE 280 BROADWAY MANHATTAN, NY 10007 (212) 393-2614
GENERAL INFORMATION AND COMPLAINTS:	311
MAJOR BUILDING CONSULTING	MAJOR BUILDING CONSULTING 21 WEST 38TH ST, 12TH FL NEW YORK, NY 10018 P: (212) 683-7200
D.O.B. INCIDENTS REPORTING	212-393-2128

**EMERGENCY  
 TELEPHONE  
 NUMBERS**

AMBULANCE:	ST. LUKE'S ROOSEVELT HOSPITAL CENTER 1000 TENTH AVENUE NEW YORK, NY 10019 212-523-4000
FIRE HOUSE:	ENGINE 40 LADDER 35 131 AMSTERDAM AVENUE NEW YORK, NY 212-570-4240
D.O.T.:	BUREAU OF PERMIT MANAGEMENT AND CONSTRUCTION CONTROL (OCMC) 55 WATER STREET NEW YORK, NY 10041 (212) 839-9588
POLICE PRECINCT HOUSE:	20TH PRECINCT 120 W 82ND ST NEW YORK, NY 10024 212-580-6411

PREPARED BY:



PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:

TITLE SHEET

SEAL & SIGNATURE

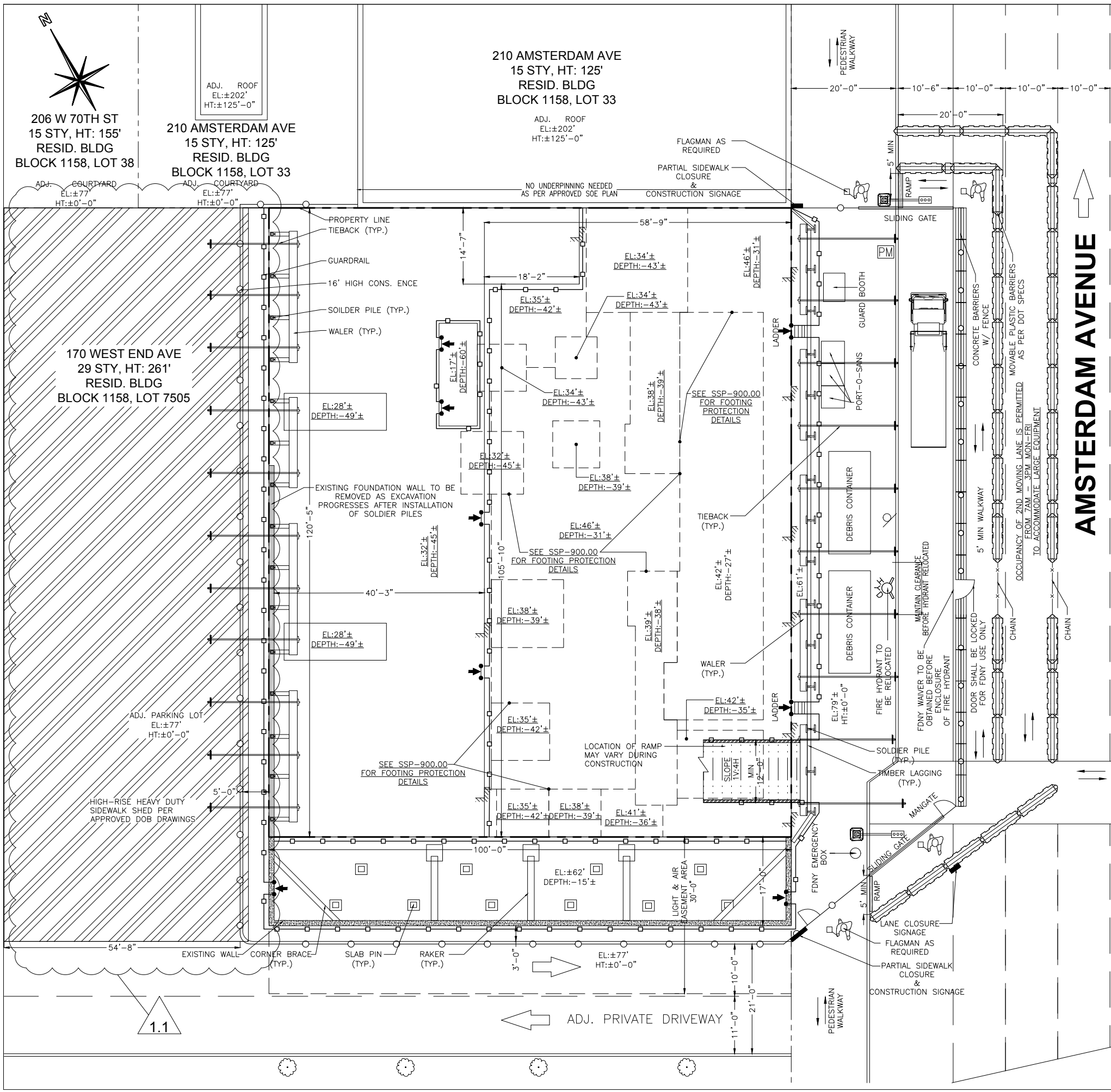
REVIEWED BY  
**David Hou, RA**  
 BEST Squad

**APPROVED**

Date: 11/22/2017

2D Site Safety Plans

SCALE:	N/A	DWG NO.:	SSP-001.01
DATE:	11-06-17	FILE NUMBER:	1/7
DRAWN BY:	N.H.	200 AMSTERDAM AV	
CHECK BY:	S.G.		



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**REVISION 1 - NOVEMBER 6TH, 2017 - NH**  
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 1.2 - UPDATED RELATED APPLICATIONS

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	PLASTIC BARRIER FILLED WITH WATER		TREE
	CONCRETE BARRIER /w FENCE ON TOP		MAIL BOX
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	HEAVYDUTY SIDEWALK SHED		LIGHT POLE
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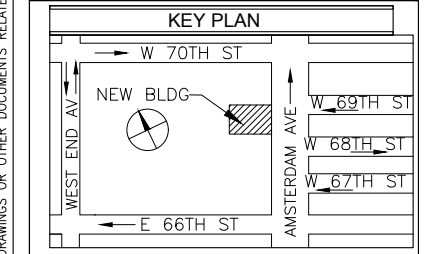
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 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
 TYPICAL EXCAVATION PLAN

SEAL & SIGNATURE:  
  
 REVIEWED BY  
 David Hou, RA  
 BEST Squad  
 BuildPros  
**APPROVED**  
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 2D Site Safety Plans

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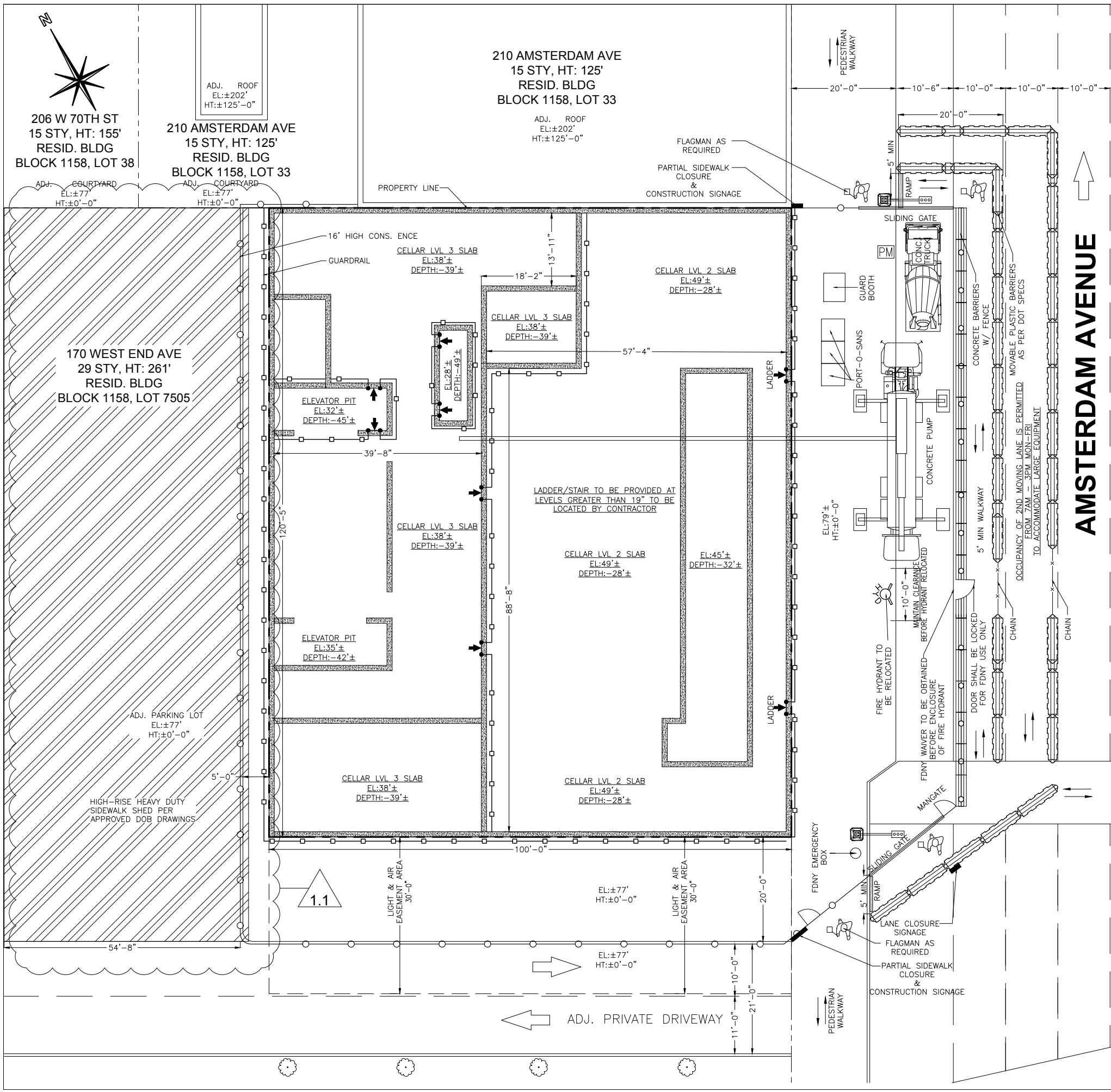
DWG NO.:  
**SSP-100.01**

DATE: 11-06-17  
 DRAWN BY: N.H.  
 CHECK BY: S.G.

FILE NUMBER:  
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3  
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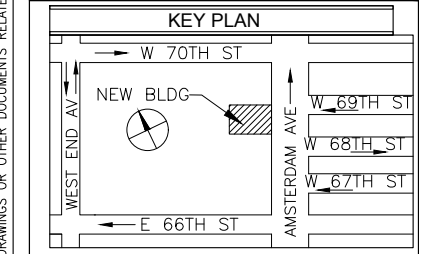
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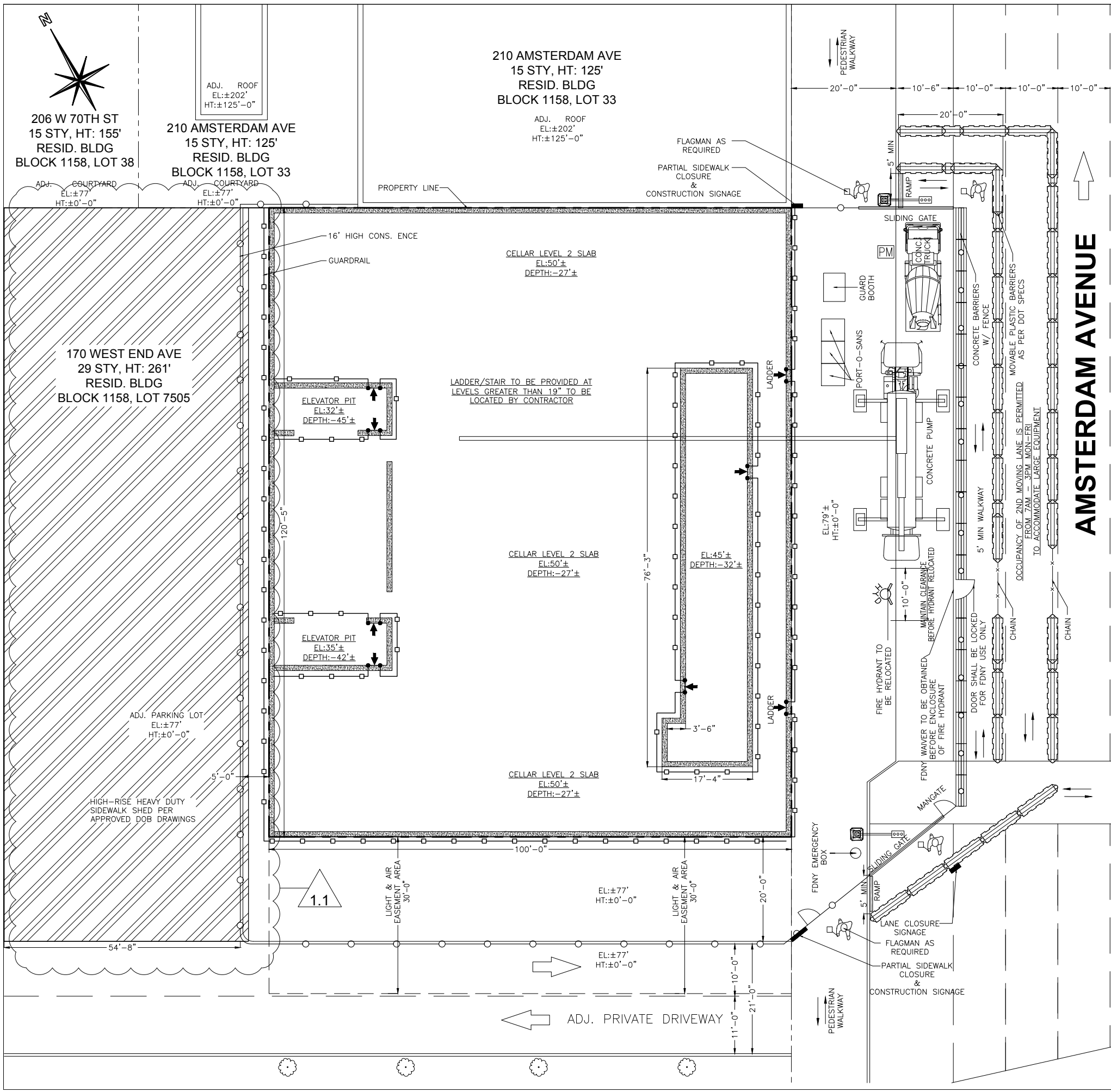
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 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**FOUNDATION PLAN CELLAR LVL 3**

SEAL & SIGNATURE:   
 REVIEWED BY  
**David Hou, RA**  
 BEST Squad  
  
**APPROVED**  
 Date: 11/22/2017  
 2D Site Safety Plans

SCALE: 1"=20' (11X17) 1"=10' (24X36)	DWG NO.: <b>SSP-110.01</b>
DATE: 11-06-17 DRAWN BY: N.H. CHECK BY: S.G.	FILE NUMBER: 200 AMSTERDAM AV <b>4</b> <b>7</b>

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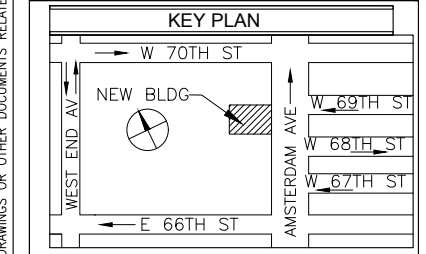
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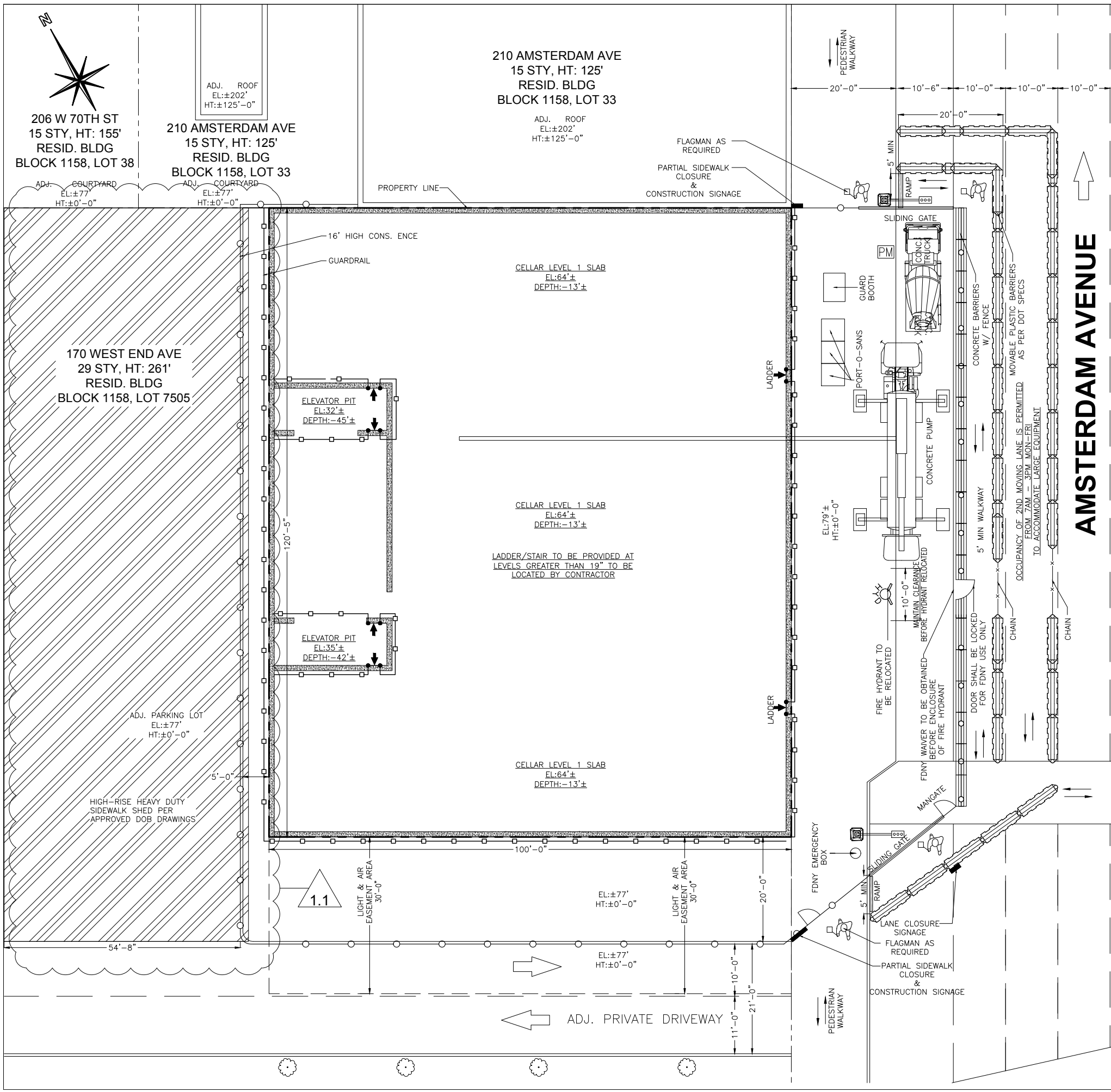
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DATE: 11-06-17 DRAWN BY: N.H. CHECK BY: S.G.	FILE NUMBER: 200 AMSTERDAM AV <b>5</b> <b>7</b>

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    - LOADER
    - DUMP TRUCKS
    - TRUCKS MAKING DELIVERY OF BUILDING MATERIALS
    - CHERRY PICKER
    - HYDRAULIC DRILL RIGS
    - TRAC DRILLS
    - COMPRESSORS
    - PORTABLE GENERATORS
    - CAISSON DRILLING
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**REVISION 1 - NOVEMBER 6TH, 2017 - NH**  
 1.1 - UPDATED 170 WEST END AVENUE PARKING LOT OCCUPANCY/PROTECTION  
 1.2 - UPDATED RELATED APPLICATIONS

**LEGEND:**

PROPERTY LINE	FDNY CONNECTION
CONSTRUCTION FENCE	RED LIGHT FOR FDNY CONNECTION INDICATION
GUARDRAIL	FIRE HYDRANT
CHAIN LINK FENCE	FLAGMAN AS REQUIRED
NETTING	LADDER
STANDPIPE WITH RISER	PHONE
MESH ON TOP OF 4' PLYWOOD FENCE	PARKING METER
SHEETING & SHORING	PEDESTRIANS WALKWAY
PLASTIC BARRIER FIELD WITH WATER	TREE
CONCRETE BARRIER /W FENCE ON TOP	MAIL BOX
CONCRETE BARRIER	SIGN POLE
HEAVYDUTY SIDEWALK SHED	LIGHT POLE
HIGH RISE SHED	EXIT
OVERHEAD PROTECTION	MATERIAL HOIST
ROOF PROTECTION	OUTRIGGER BEAM SUSPENDED SCAFFOLD
TYPICAL FOOTING	C-HOOK SUSPENDED SCAFFOLD
HORIZONTAL NETTING	PIPE SCAFFOLDS WITH SAFETY NETTING
FOUNDATION WALL	EXISTING FOUNDATION WALL TO BE REMOVED

Site Safety Plan for:  
**200 AMSTERDAM AVE  
 NEW YORK, NY**

**Owner**  
 AMSTERDAM AVE REDEVELOPMENT A  
 11 TIMES SQUARE  
 NEW YORK, NY 10036  
 PH:201-592-1311  
 ATTN:VICTOR CIVIDINI

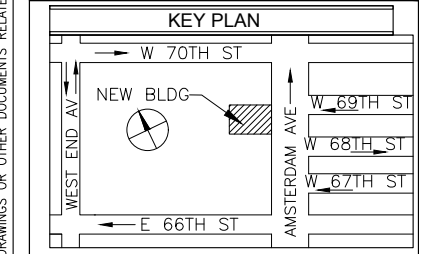
**Safety Engineer/Designer**

Major Building Consulting  
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 New York, NY 10018  
 Ph: 646-626-7373  
 Attn: Sandeep Gunnala.

**Architect/Engineer**  
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 25 DRYDOCK AVENUE  
 BOSTON, MA 02210  
 Ph: 617-426-1300  
 Attn: HOWARD F ELKUS  
 LICENCE: 018768

**Contractor**  
 Pavarini McGovern LLC  
 770 Broadway  
 New York, NY 10003  
 Ph: 212-907-0900  
 Attn: Eric McGovern  
 Proj Super: A.B. Olevic - Lic 1660

**Site Safety Manager**  
 Major Building Consulting  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 SSM TO BE DETERMINED



PREPARED BY:  
**MAJOR BUILDING CONSULTING**  
 CONSTRUCTION CODE & SAFETY EXPERTS  
 21 WEST 38TH ST, 11TH FL  
 NEW YORK, NY 10018  
 TEL: 646-626-7373

PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**FOUNDATION PLAN CELLAR LVL 1**

SEAL & SIGNATURE:  
 REVIEWED BY  
**David Hou, RA**  
 BEST Squad  
 APPROVED  
 Date: 11/22/2017  
 2D Site Safety Plans

SCALE:  
 1"=20' (11X17)  
 1"=10' (24X36)

DWG NO.:  
**SSP-130.01**

DATE: 11-06-17  
 DRAWN BY: N.H.  
 CHECK BY: S.G.

FILE NUMBER:  
 200 AMSTERDAM AV

6  
 7

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BLOCK: 1158	LOT: 133	BIN: 1030358	CB: 107
CONSTRUCTION CLASSIFICATION:		I-A: 3 HOUR PROTECTED - NON COMBUST	
OCCUPANCY CLASSIFICATION:		R-2- RESIDENTIAL:APARTMENT HOUSES	
PROPOSED HEIGHT:		±642	
ZONING DIST:		R8-GENERAL RESIDENCE DISTRICT	
MAP NO.:		8c	
JOB APPLICATION NO.:		122887224 - NB	
BOX 9c CHECKED:		YES	
B.I.S. REQUIRED INFO ENTERED:		YES	

Site Safety Plan for:  
**200 AMSTERDAM AVE**  
**NEW YORK, NY**



# SITE SAFETY PLAN FOR A 51 STORY NEW BUILDING AT 200 AMSTERDAM AVE NEW YORK, NY 10024

Work shall not be started until permitted

Granted Partial Approval for excavation & Foundation only

PREPARED BY,

  
**MAJOR**  
 BUILDING CONSULTING  
 CONSTRUCTION CODE & SAFETY EXPERTS  
 21 W 38TH STREET, 11TH FLOOR  
 NEW YORK, NY 10018  
 PH: 646-626-7373  
 ATTN: SANDEEP GUNNALA.

DRAWING LIST		INITIAL PLAN	
SSP-001.00	TITLE SHEET	X	
SSP-002.00	GENERAL NOTES	X	
SSP-100.00	TYPICAL EXCAVATION PLAN	X	
SSP-110.00	TYPICAL FOUNDATION PLAN CELLAR LVL 3	X	
SSP-120.00	TYPICAL FOUNDATION PLAN CELLAR LVL 2	X	
SSP-130.00	TYPICAL FOUNDATION PLAN CELLAR LVL 1	X	
SSP-900.00	TYPICAL DETAILS	X	

RELATED APPLICATIONS:

B.E.S.T:	B.E.S.T SQUAD 280 BROADWAY, 5TH FLOOR NEW YORK, NY 10007 (212) 393-2404
D.O.B.:	MANHATTAN BOROUGH OFFICE 280 BROADWAY MANHATTAN, NY 10007 (212) 566-0242
GENERAL INFORMATION AND COMPLAINTS:	311
MAJOR BUILDING CONSULTING	MAJOR BUILDING CONSULTING 21 WEST 38TH ST, 12TH FL NEW YORK, NY 10018 P: (212) 683-7200
D.O.B. INCIDENTS REPORTING	212-393-2128

EMERGENCY  
TELEPHONE  
NUMBERS

AMBULANCE:	ST. LUKE'S ROOSEVELT HOSPITAL CENTER 1000 TENTH AVENUE NEW YORK, NY 10019 212-523-4000
FIRE HOUSE:	ENGINE 40 LADDER 35 131 AMSTERDAM AVENUE NEW YORK, NY 212-570-4240
D.O.T.:	BUREAU OF PERMIT MANAGEMENT AND CONSTRUCTION CONTROL (OCMC) 55 WATER STREET NEW YORK, NY 10041 (212) 839-9588
POLICE PRECINCT HOUSE:	20TH PRECINCT 120 W 82ND ST NEW YORK, NY 10024 212-580-6411

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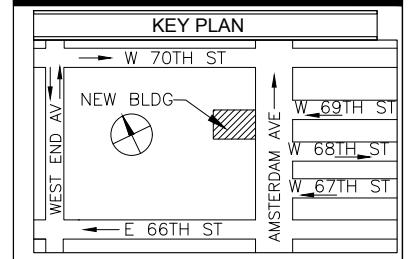
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 11 TIMES SQUARE  
 NEW YORK, NY 10036  
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 Attn: Eric McGovern  
 Proj Super: A.B. Olevic - Lic 1660

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 Ph: 646-626-7373  
 SSM TO BE DETERMINED




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PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
 TITLE SHEET

SEAL & SIGNATURE:

REVIEWED BY  
 Nirmala Abeyasinghe  
 BEST Squad  
  
 Build  
 APPROVED  
 Date: 02/16/2017  
 2D Site Safety Plans

SCALE: <b>N/A</b>	DWG NO.: <b>SSP-001.00</b>
DATE: 12-27-16	FILE NUMBER: 1/7
DRAWN BY: F.K.	200 AMSTERDAM AV
CHECK BY: S.G.	



Site Safety Plan for:  
**200 AMSTERDAM AVE**  
**NEW YORK, NY**

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AMSTERDAM AVE REDEVELOPMENT A  
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**Architect/Engineer**

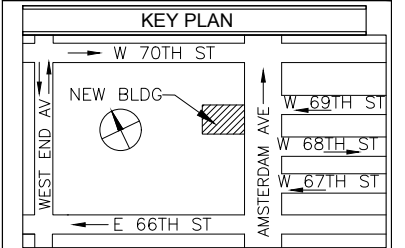
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 SSM TO BE DETERMINED



PREPARED BY:



PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**TYPICAL EXCAVATION PLAN**

SEAL & SIGNATURE:



SCALE: 1"=20' (11X17) 1"=10' (24X36)	DWG NO.: <b>SSP-100.00</b>
DATE: 12-27-16 DRAWN BY: F.K.	FILE NUMBER: 200 AMSTERDAM AV
CHECK BY: S.G.	3/7

**NOTES:**

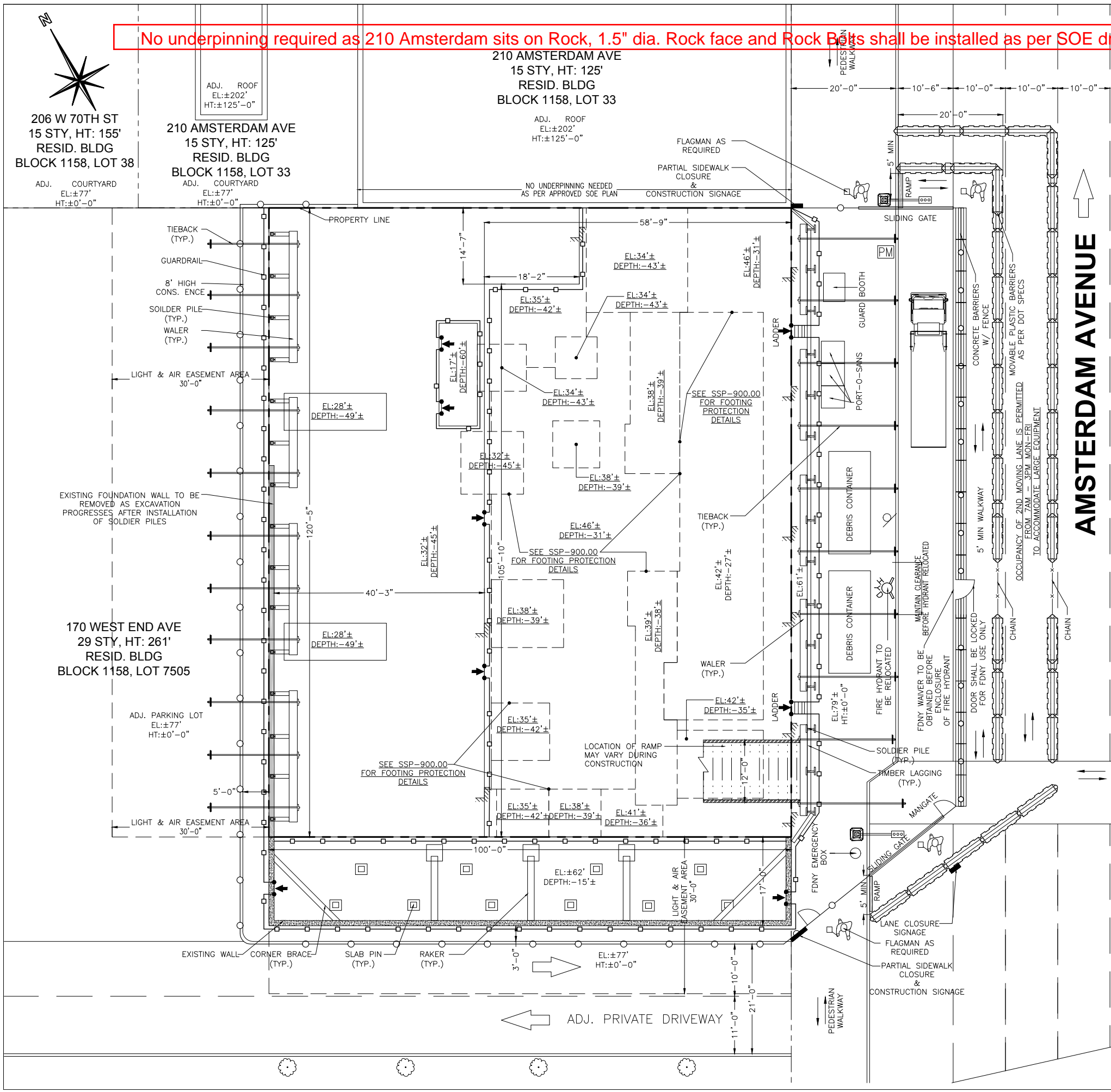
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Engr's design drawing to withstand wind load as per code & provide adequate anchorage details to withstand topple.

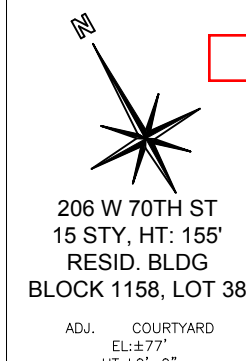
**LEGEND:**

PROPERTY LINE	LIGHT POLE
CONSTRUCTION FENCE	LADDER
GUARDRAIL	TREE
CHAIN LINK FENCE	TYPICAL FOOTING
NETTING	FOUNDATION WALL
FIRE HYDRANT	EXIT
PEDESTRIANS WALKWAY	FLAGMAN AS REQUIRED
PM	SIGN POLE
PLASTIC BARRIER FILED WITH WATER	EXISTING FOUNDATION WALL TO BE REMOVED
CONCRETE BARRIER /W FENCE ON TOP	

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No underpinning required as 210 Amsterdam sits on Rock, 1.5" dia. Rock face and Rock Bolts shall be installed as per SOE drawings.



206 W 70TH ST  
 15 STY, HT: 155'  
 RESID. BLDG  
 BLOCK 1158, LOT 38  
 ADJ. COURTYARD  
 EL:±77'  
 HT:±0'-0"

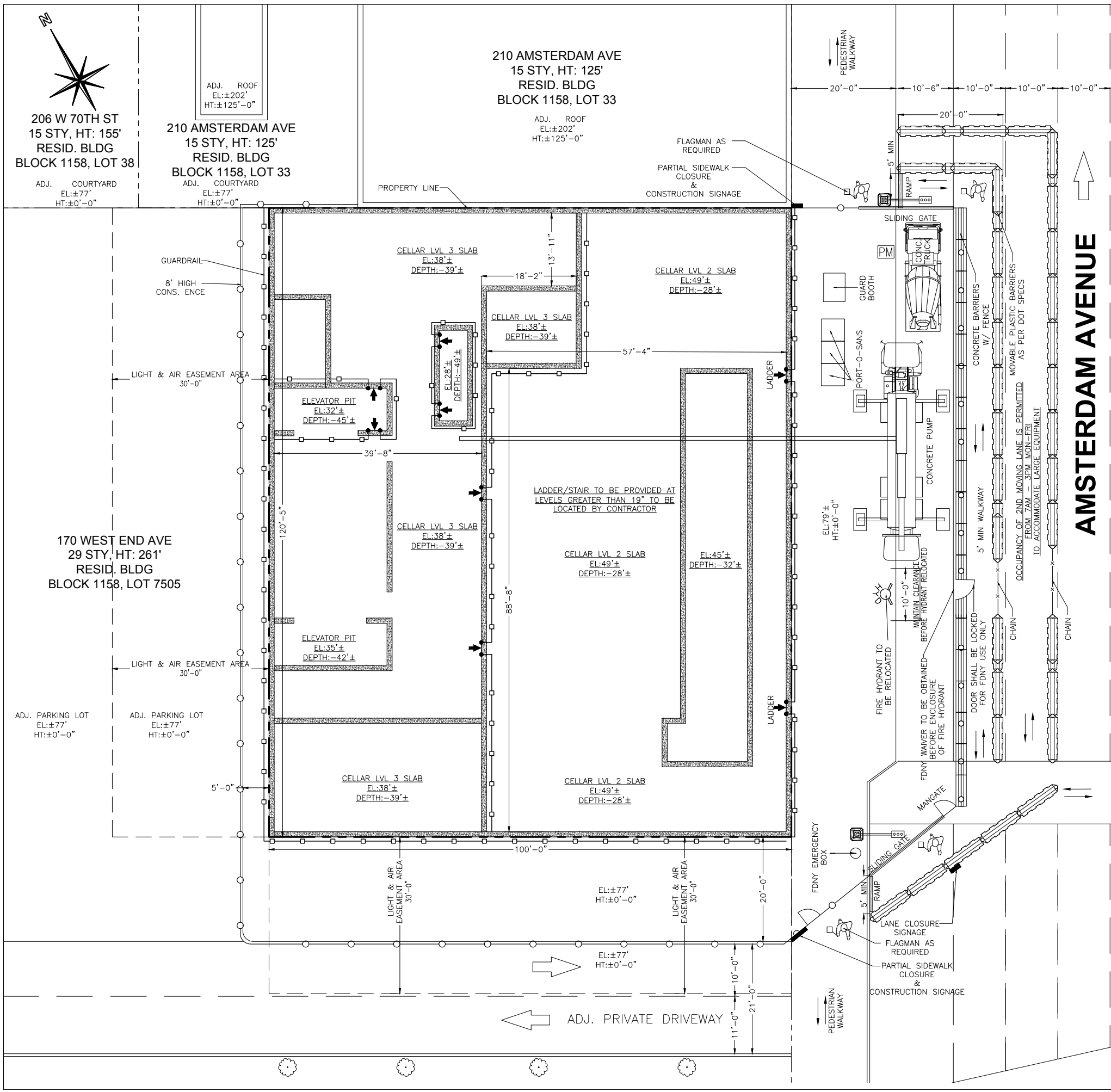
210 AMSTERDAM AVE  
 15 STY, HT: 125'  
 RESID. BLDG  
 BLOCK 1158, LOT 33  
 ADJ. COURTYARD  
 EL:±77'  
 HT:±0'-0"

210 AMSTERDAM AVE  
 15 STY, HT: 125'  
 RESID. BLDG  
 BLOCK 1158, LOT 33  
 ADJ. ROOF  
 EL:±202'  
 HT:±125'-0"

170 WEST END AVE  
 29 STY, HT: 261'  
 RESID. BLDG  
 BLOCK 1158, LOT 7505  
 ADJ. PARKING LOT  
 EL:±77'  
 HT:±0'-0"

**AMSTERDAM AVENUE**





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Site Safety Plan for:  
**200 AMSTERDAM AVE**  
**NEW YORK, NY**

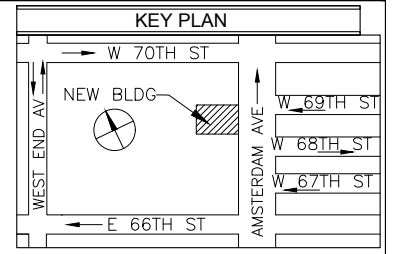
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 21 WEST 38TH ST, 11TH FL  
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PROJECT: New Building At 51 Stories  
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 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**FOUNDATION PLAN CELLAR LVL 3**

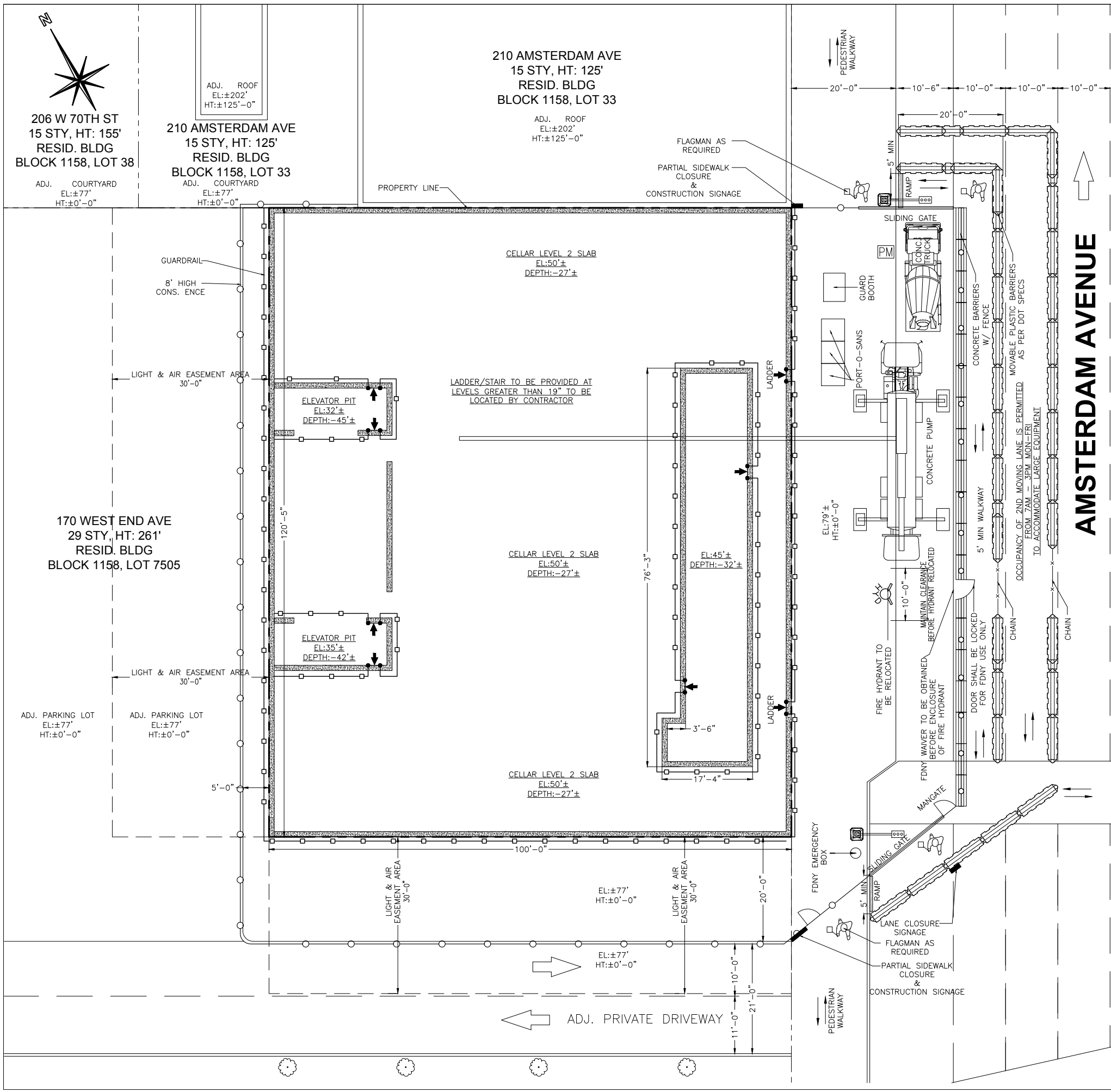
SEAL & SIGNATURE:  
 REVIEWED BY  
 Nirmala Abeyesinghe  
 BEST Squad  
 Build  
 APPROVED  
 Date: 02/16/2017  
 2D Site Safety Plans

**LEGEND:**

---	PROPERTY LINE	☉	LIGHT POLE
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□	GUARDRAIL	☼	TREE
—x—	CHAIN LINK FENCE	▭	TYPICAL FOOTING
~~~~~	NETTING	▨	FOUNDATION WALL
☼	FIRE HYDRANT	↓	EXIT
→	PEDESTRIANS WALKWAY	☹	FLAGMAN AS REQUIRED
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DATE: 12-27-16 DRAWN BY: F.K.	FILE NUMBER: 200 AMSTERDAM AV
CHECK BY: S.G.	4 7



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    - COMPRESSORS
    - PORTABLE GENERATORS
    - CAISSON DRILLING
  - 24 HOUR NOTICE SHALL BE GIVEN AS PER CODE BEFORE ANY EXCAVATION STARTS.
  - 2 MEANS OF EGRESS WILL BE MAINTAINED AT ALL TIMES.
  - AT LEAST 5'-0" CLEAR WALKWAY WILL BE MAINTAINED AT ALL TIMES.
  - NEW BUILDING PERMIT HAS BEEN APPROVED BY THE DOB WITH PERMIT #122887224-NB.
  - ALL BARRIERS ON STREET SIDE SHALL BE INSTALLED AS PER DOT STIPS, AND A NETTING WITH POSTS SHALL BE INSTALLED ON THE CURB SIDE OF THE LANE CLOSURE, TO MAINTAIN CONTROLLED ACCESS.
  - ALL BARRIERS ON STREET SHALL CONFORM TO DOT STIPULATIONS AND MANUFACTURE SPECIFICATIONS.
  - BARRIERS WITH FENCE ON TOP SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL AND IN ACCORDANCE TO THE EFFECT OF WINDLOADS AS PER CHAPTER 16 OF THE BC.
  - FLAGMEN SHALL BE ON SITE AS REQUIRED.
  - ALL PERMITS SHALL BE KEPT ON SITE BEFORE COMMENCEMENT OF WORK FOR THAT PERMIT.
  - WATCH MAN CALCULATIONS:
    - 120.5' X 100' = ±12,050 SF AS PER CODE, 1 WATCH PERSON SHALL BE PRESENT DURING NON WORKING HOURS.
  - GUARDRAIL TO BE PROVIDED ON TOP OF 8"x8" TIMBER AT RAMP IF THE RAMP IS BEING USED BY WORKERS. LOCATION OF RAMP MAY VARY DEPENDING ON SITE CONDITIONS OR WORK LOCATIONS. THIS IS A EARTH RAMP.
  - LADDERS, RAMP, GUARD SHACKS, STAIR TOWERS, GATES, TRAILERS, PORTO SANS AND MATERIAL STORAGE TO BE MOVED ON THE JOB SITE AS PER CONTRACTOR'S WORK SCHEDULE.
  - TWO LANES WILL BE CLOSED DURING CONCRETE OPERATIONS. ONE SINGLE LANE WILL BE CLOSED AT OTHER TIMES.
  - MOVABLE BARRIERS WILL BE USED IN FRONT OF GATES, FIRE DEPARTMENT CONNECTION OR HYDRANTS AND FOR EQUIPMENT ACCESS.
  - ALL S.O.E. SHALL COMPLY WITH THE ENGINEERED APPROVED DRAWING.

Site Safety Plan for:  
**200 AMSTERDAM AVE  
 NEW YORK, NY**

**Owner**  
 AMSTERDAM AVE REDEVELOPMENT A  
 11 TIMES SQUARE  
 NEW YORK, NY 10036  
 PH:201-592-1311  
 ATTN:VICTOR CIVIDINI

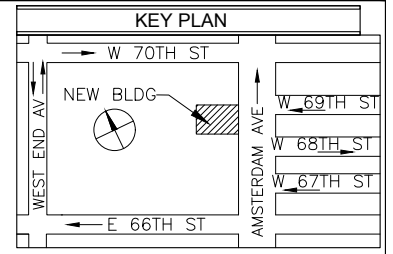
**Safety Engineer/Designer**

Major Building Consulting  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 Attn: Sandeep Gunnala.

**Architect/Engineer**  
 ELKUS / MANFREDI ARCHITECTS  
 25 DRYDOCK AVENUE  
 BOSTON, MA 02210  
 Ph: 617-426-1300  
 Attn: HOWARD F ELKUS  
 LICENCE: 018768

**Contractor**  
 Pavarini McGovern LLC  
 770 Broadway  
 New York, NY 10003  
 Ph: 212-907-0900  
 Attn: Eric McGovern  
 Proj Super: A.B. Olevic - Lic 1660

**Site Safety Manager**  
 Major Building Consulting  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 SSM TO BE DETERMINED



PREPARED BY:  
**MAJOR BUILDING CONSULTING**  
 CONSTRUCTION CODE & SAFETY EXPERTS  
 21 WEST 38TH ST, 11TH FL  
 NEW YORK, NY 10018  
 TEL: 646-626-7373

PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**FOUNDATION PLAN CELLAR LVL 2**

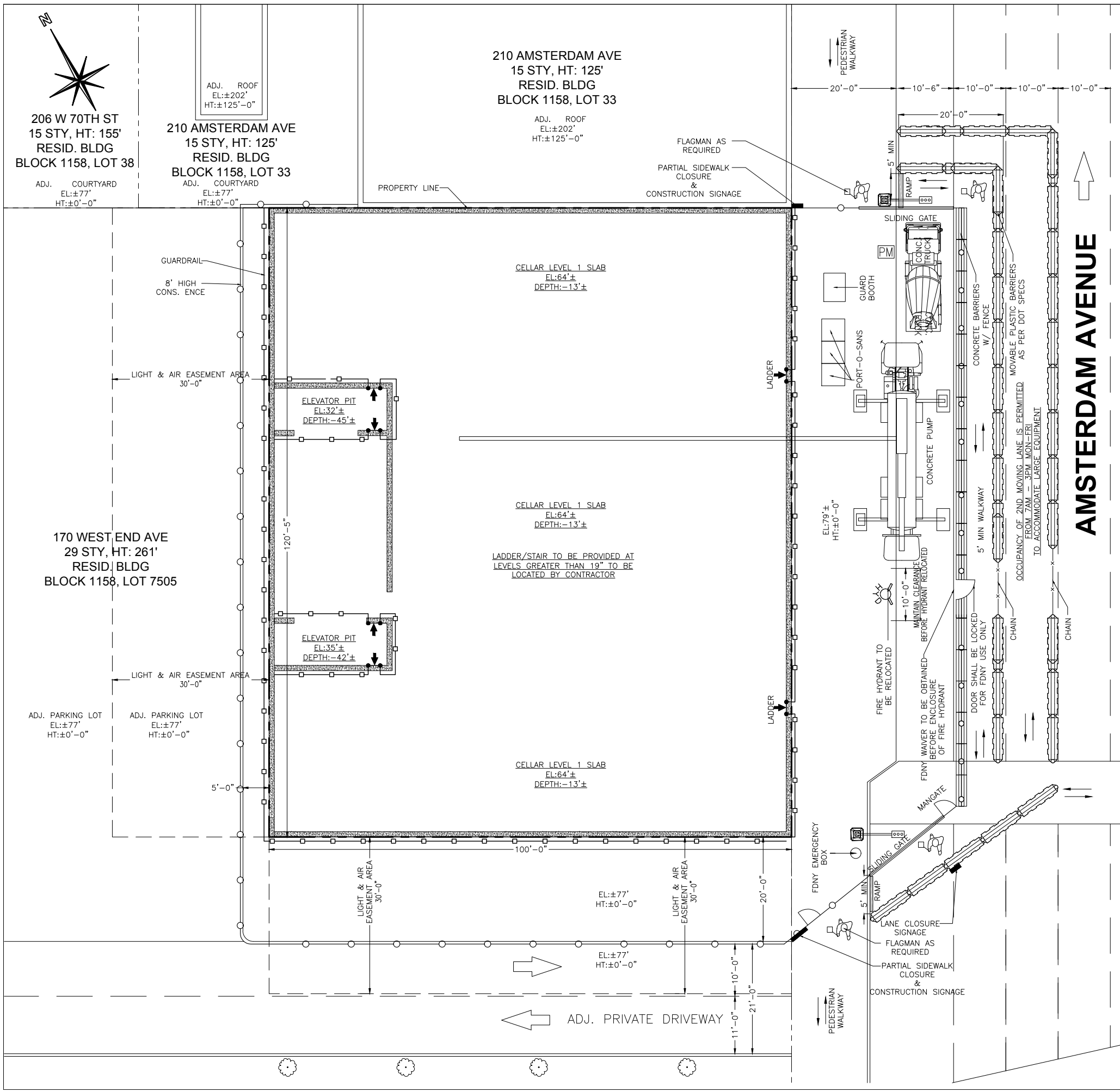
SEAL & SIGNATURE:

**LEGEND:**

	PROPERTY LINE		LIGHT POLE
	CONSTRUCTION FENCE		LADDER
	GUARDRAIL		TREE
	CHAIN LINK FENCE		TYPICAL FOOTING
	NETTING		FOUNDATION WALL
	FIRE HYDRANT		EXIT
	PEDESTRIANS WALKWAY		FLAGMAN AS REQUIRED
	PARKING METER		SIGN POLE
	PLASTIC BARRIER FILED WITH WATER		EXISTING FOUNDATION WALL TO BE REMOVED
	CONCRETE BARRIER /W FENCE ON TOP		

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SCALE: 1"=20' (11X17) 1"=10' (24X36)	DWG NO.: <b>SSP-120.00</b>
DATE: 12-27-16 DRAWN BY: F.K.	FILE NUMBER: 200 AMSTERDAM AV <b>5</b>
CHECK BY: S.G.	<b>7</b>



- NOTES:**
- FOR GENERAL NOTES, LIST OF DRAWINGS AND LEGEND REFER TO DRAWING SSP 002.00.
  - FOR TYPICAL DETAILS REFER TO SSP 900.00.
  - EQUIPMENT THAT IS PLANNED TO USE FOR
  - EXCAVATION/FOUNDATION ARE:
    - EXCAVATORS SOME OF WHICH WILL BE EQUIPPED WITH HYDRAULIC HAMMERS
    - LOADER
    - DUMP TRUCKS
    - TRUCKS MAKING DELIVERY OF BUILDING MATERIALS
    - CHERRY PICKER
    - HYDRAULIC DRILL RIGS
    - TRAC DRILLS
    - COMPRESSORS
    - PORTABLE GENERATORS
    - CAISSON DRILLING
  - 24 HOUR NOTICE SHALL BE GIVEN AS PER CODE BEFORE ANY EXCAVATION STARTS.
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Site Safety Plan for:  
**200 AMSTERDAM AVE  
 NEW YORK, NY**

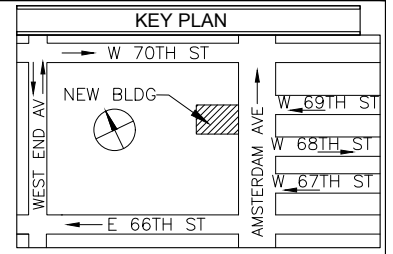
**Owner**  
 AMSTERDAM AVE REDEVELOPMENT A  
 11 TIMES SQUARE  
 NEW YORK, NY 10036  
 PH:201-592-1311  
 ATTN:VICTOR CIVIDINI

**Safety Engineer/Designer**  
 Major Building Consulting  
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 New York, NY 10018  
 Ph: 646-626-7373  
 Attn: Sandeep Gunnala.

**Architect/Engineer**  
 ELKUS / MANFREDI ARCHITECTS  
 25 DRYDOCK AVENUE  
 BOSTON, MA 02210  
 Ph: 617-426-1300  
 Attn: HOWARD F ELKUS  
 LICENCE: 018768

**Contractor**  
 Pavarini McGovern LLC  
 770 Broadway  
 New York, NY 10003  
 Ph: 212-907-0900  
 Attn: Eric McGovern  
 Proj Super: A.B. Olevic - Lic 1660

**Site Safety Manager**  
 Major Building Consulting  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 SSM TO BE DETERMINED



PREPARED BY:  
**MAJOR BUILDING CONSULTING**  
 CONSTRUCTION CODE & SAFETY EXPERTS  
 21 WEST 38TH ST, 11TH FL  
 NEW YORK, NY 10018  
 TEL: 646-626-7373

PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**FOUNDATION PLAN CELLAR LVL 1**

SEAL & SIGNATURE:  
 REVIEWED BY  
 Nirmala Abeyesinghe  
 BEST Squad  
 Build  
 APPROVED  
 Date: 02/16/2017  
 2D Site Safety Plans

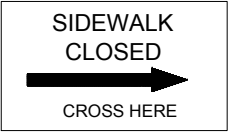
**LEGEND:**

	PROPERTY LINE		LIGHT POLE
	CONSTRUCTION FENCE		LADDER
	GUARDRAIL		TREE
	CHAIN LINK FENCE		TYPICAL FOOTING
	NETTING		FOUNDATION WALL
	FIRE HYDRANT		EXIT
	PEDESTRIANS WALKWAY		FLAGMAN AS REQUIRED
	PARKING METER		SIGN POLE
	PLASTIC BARRIER FILLED WITH WATER		EXISTING FOUNDATION WALL TO BE REMOVED
	CONCRETE BARRIER /W FENCE ON TOP		

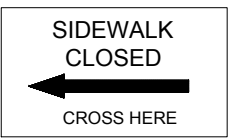
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SCALE: 1"=20' (11X17) 1"=10' (24X36)	DWG NO.: <b>SSP-130.00</b>
DATE: 12-27-16 DRAWN BY: F.K.	FILE NUMBER: 200 AMSTERDAM AV
CHECK BY: S.G.	6 7

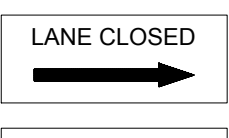
TO ANONYMOUSLY REPORT UNSAFE CONDITIONS AT THIS WORK SITE, CALL 311  
PARA REPORTAR CONDICIONES PELIGROSAS EN ESTE LUGAR DE TRABAJO, LLAME AL 311, NO TIENE QUE DAR SU NOMBRE.



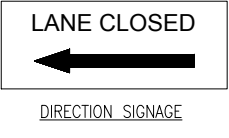
SCAFFOLDS/HOIST  
PERMIT HOLDER ADDRESS PHONE  
PERMIT #  
EXP. DATE:



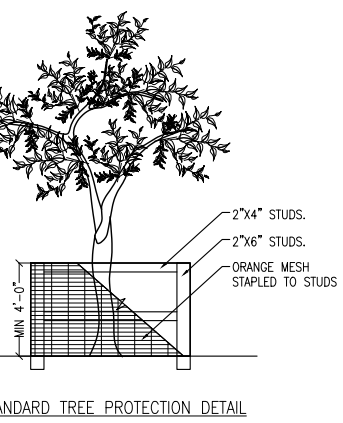
SIDEWALK SHED  
PERMIT HOLDER ADDRESS PHONE  
PERMIT #  
EXP. DATE:



DANGER MEN WORKING ABOVE  
PERMIT HOLDER ADDRESS PHONE  
SPECIAL RIGGER LICENSE #

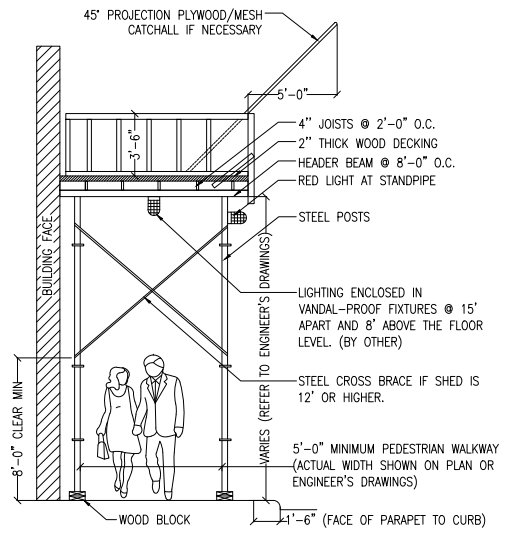


NO SMOKING  
"PER F.D.N.Y. CODE SECTION 1404. SMOKING SHALL BE PROHIBITED AT ALL CONSTRUCTION SITES. ALL VIOLATORS SHALL BE SUBJECTED TO F.D.N.Y. AND D.O.B. PENALTIES."

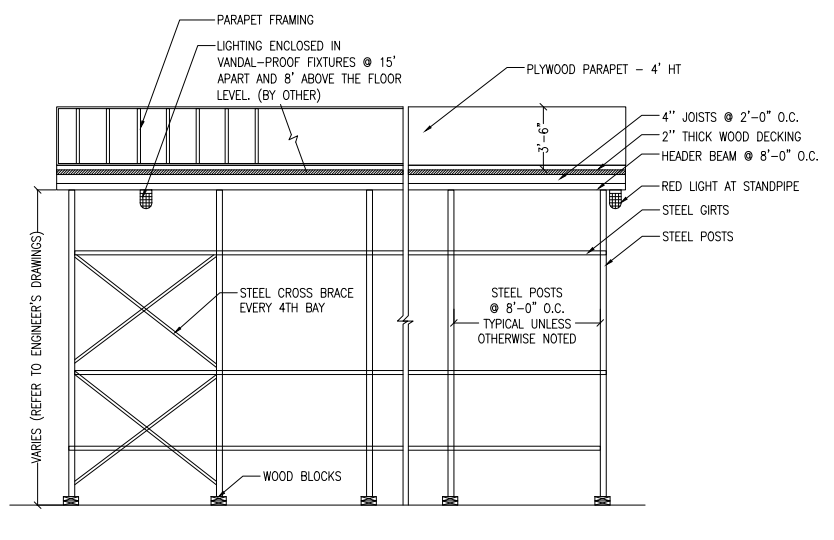


OWNER: (P) phone number  
Owner Name  
Address  
City, State, Zip  
CONTRACTOR (P) phone number  
Contractor Name  
Address  
City, State, Zip  
TO REPORT COMPLAINT, CALL 311  
OWNER/CONTRACTOR SIGN

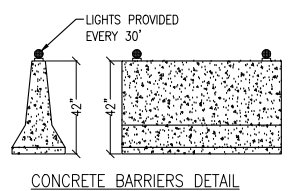
EMERGENCY PHONE NUMBERS:  
TELEFONOS DE EMERGENCIA  
DEPT. OF BUILDINGS: 311  
DEPARTAMENTO DE EDIFICIOS:  
EMERGENCY RESPONSE TEAM: 311  
SERVICIO DE EMERGENCIA:  
DEPT. OF TRANSPORTATION: 311  
DEPARTAMENTO DE TRANSPORTACION:  
B.E.S.T. SQUAD: 212-393-2404  
CRUPO DE SEGURIDAD PARA EDIFICIOS:  
EMERGENCY NUMBERS SIGN



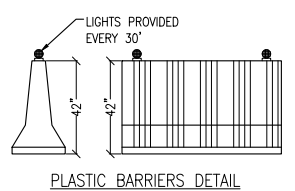
TYPICAL SHED SECTION FOR MORE SPECIFICATIONS, REFER TO ENGINEER'S DRAWINGS.



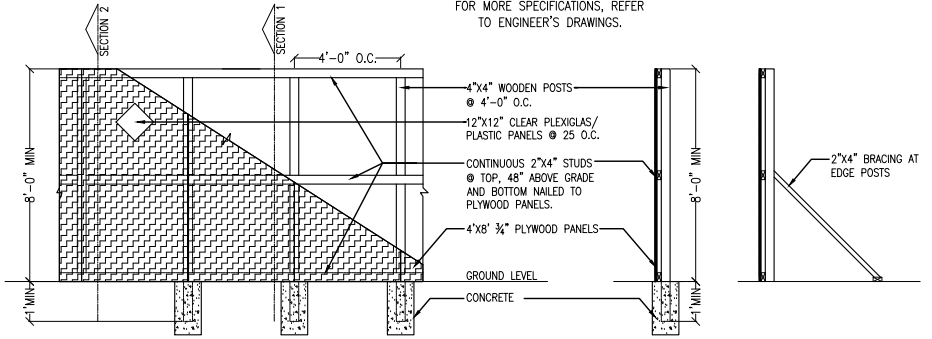
TYPICAL SHED ELEVATION FOR MORE SPECIFICATIONS, REFER TO ENGINEER'S DRAWINGS.



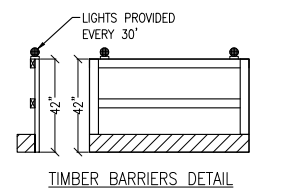
CONCRETE BARRIERS DETAIL



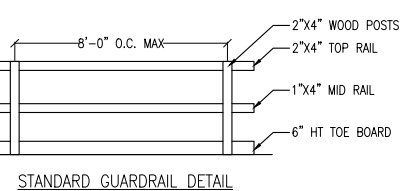
PLASTIC BARRIERS DETAIL



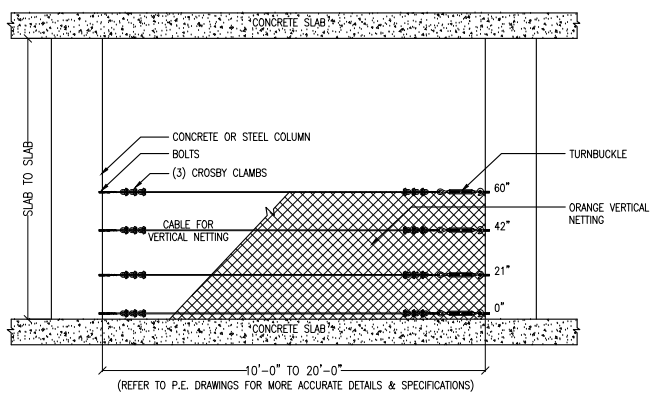
STANDARD CONSTRUCTION FENCE DETAIL



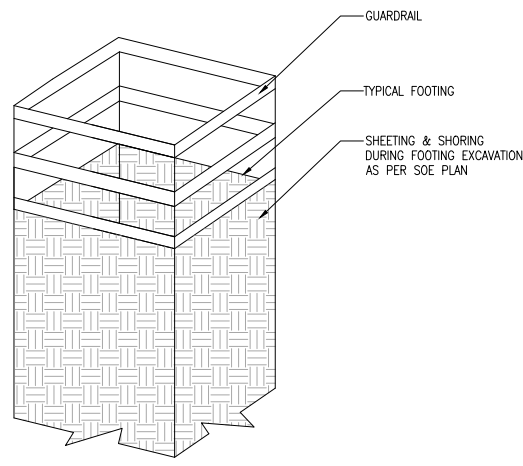
TIMBER BARRIERS DETAIL



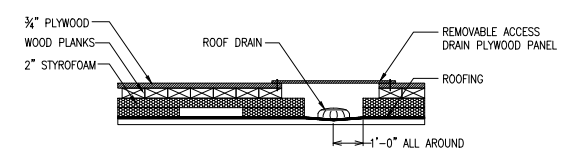
STANDARD GUARDRAIL DETAIL



60" VERTICAL NETTING DETAIL



TYPICAL FOOTING PROTECTION ISOMETRIC



STANDARD ROOF PROTECTION DETAIL

ROOF PROTECTION NOTES:  
1. THE BOTTOM LAYER OF FOAM PANELS WILL INCLUDE SEPARATION BETWEEN PANELS, AND THE PANELS WILL BE ORIENTED IN LINE WITH THE ROOF SLOPE AND WILL FOLLOW THE EXISTING PITCH TOWARDS THE DRAINS TO ALLOW RAIN WATER AND/OR ICE/SNOW MELT TO PROPERLY DRAIN AND NOT CREATE PONDING OF WATER.  
2. AN EASILY REMOVABLE PANEL WILL BE ARRANGED AT THE LOCATION OF ALL DRAINS AND ROOF SCUPPERS TO ALLOW MAINTENANCE.  
3. ROOF PROTECTION WILL COMPLY WITH CHAPTER #33 OF THE 2008 DOB CODE.

Site Safety Plan for:  
200 AMSTERDAM AVE  
NEW YORK, NY

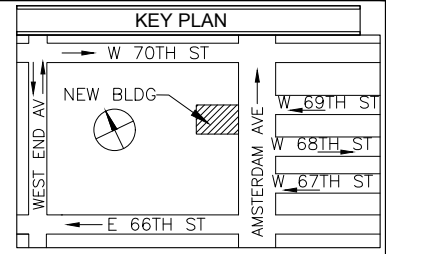
Owner  
AMSTERDAM AVE REDEVELOPMENT A  
11 TIMES SQUARE  
NEW YORK, NY 10036  
PH:201-592-1311  
ATTN:VICTOR CIVIDINI

Safety Engineer/Designer  
Major Building Consulting  
21 W 38th Street, 11th Floor  
New York, NY 10018  
Ph: 646-626-7373  
Attn: Sandeep Gunnala.

Architect/Engineer  
ELKUS / MANFREDI ARCHITECTS  
25 DRYDOCK AVENUE  
BOSTON, MA 02210  
Ph: 617-426-1300  
Attn: HOWARD F ELKUS  
LICENCE: 018768

Contractor  
Pavarini McGovern LLC  
770 Broadway  
New York, NY 10003  
Ph: 212-907-0900  
Attn: Eric McGovern  
Proj Super: A.B. Olevic - Lic 1660

Site Safety Manager  
Major Building Consulting  
21 W 38th Street, 11th Floor  
New York, NY 10018  
Ph: 646-626-7373  
SSM TO BE DETERMINED



PREPARED BY:  
MAJOR BUILDING CONSULTING  
CONSTRUCTION CODE & SAFETY EXPERTS  
21 WEST 38TH ST, 11TH FL  
NEW YORK, NY 10018  
TEL: 646-626-7373

PROJECT: New Building At 51 Stories  
200 AMSTERDAM AVE  
New York, NY 10024, 642' HT  
Block 1158, Lot 133, CB 107  
Job # 122887224, BIN: 1030358

DRAWING TITLE:  
TYPICAL DETAILS

SEAL & SIGNATURE:  
REVIEWED BY  
Nirmala Abeyasinghe  
BEST Squad  
Buildings  
APPROVED  
Date: 02/16/2017  
2D Site Safety Plans

SCALE: N.T.S. DWG NO.: SSP-900.00  
DATE: 12-27-16 FILE NUMBER: 7  
DRAWN BY: F.K. 200 AMSTERDAM AV  
CHECK BY: S.G. 7

**Work In Progress: Commercial**  
Anticipated Completion: FALL 2013  
Owner:  
For additional information: 212-888-1234  
General Contractor:  
To anonymously report unsafe conditions at this worksite, call 311.  
Para reportar condiciones peligrosas en un sitio de trabajo, llame al 311. No tiene que dar su nombre.  
Primary DOB permits

**INSERT ADDRESS**  
GENERAL CONTRACTOR INFORMATION  
For more information, visit [www.nyc.gov/buildings](http://www.nyc.gov/buildings)

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BLOCK: 1158	LOT: 133	BIN: 1030358	CB: 107
CONSTRUCTION CLASSIFICATION:		I-A: 3 HOUR PROTECTED - NON COMBUST	
OCCUPANCY CLASSIFICATION:		R-2- RESIDENTIAL:APARTMENT HOUSES	
PROPOSED HEIGHT:		±642	
ZONING DIST:		R8-GENERAL RESIDENCE DISTRICT	
MAP NO.:		8c	
JOB APPLICATION NO.:		122887224 - NB	
BOX 9c CHECKED:		YES	
B.I.S. REQUIRED INFO ENTERED:		YES	

Site Safety Plan for:  
**200 AMSTERDAM AVE**  
**NEW YORK, NY**



# SITE SAFETY PLAN FOR A 51 STORY NEW BUILDING AT 200 AMSTERDAM AVE NEW YORK, NY 10024

**Owner**  
 AMSTERDAM AVE REDEVELOPMENT A  
 11 TIMES SQUARE  
 NEW YORK, NY 10036  
 PH:201-592-1311  
 ATTN:VICTOR CIVIDINI

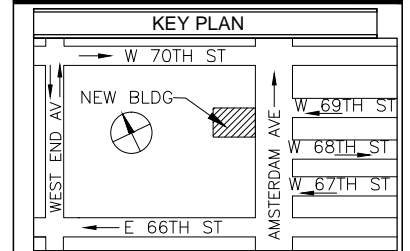
**Safety Engineer/Designer**

Major Building Consulting  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 Attn: Fehmi Kaya.

**Architect/Engineer**  
 ELKUS / MANFREDI ARCHITECTS  
 25 DRYDOCK AVENUE  
 BOSTON, MA 02210  
 Ph: 617-426-1300  
 Attn: HOWARD F ELKUS  
 LICENCE: 018768

**Contractor**  
 Pavarini McGovern LLC  
 770 Broadway  
 New York, NY 10003  
 Ph: 212-907-0900  
 Attn: Eric McGovern  
 Proj Super: A.B. Olevic - Lic 1660

**Site Safety Manager**  
 City Safety Compliance  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 SSM TO BE DETERMINED

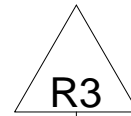


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PREPARED BY,



21 W 38TH STREET, 11TH FLOOR  
 NEW YORK, NY 10018  
 PH: 646-626-7373  
 ATTN: FEHMI KAYA.



**DRAWING LIST**

NO.	TITLE	INITIAL (APP. 02.16.2017)	REVISION 1 (APP. 11.26.2017)	REVISION 2 (APP. 5.4.2018)	REVISION 3 (SUBMITTED)
SSP-001.03	TITLE SHEET	X	X	X	X
SSP-002.00	GENERAL NOTES	X			
SSP-100.01	TYPICAL EXCAVATION PLAN	X	X		
SSP-110.01	TYPICAL FOUNDATION PLAN CELLAR LVL 3	X	X		
SSP-120.01	TYPICAL FOUNDATION PLAN CELLAR LVL 2	X	X		
SSP-130.01	TYPICAL FOUNDATION PLAN CELLAR LVL 1	X	X		
SSP-200.00	SUPERSTRUCTURE BELOW 75'			X	
SSP-210.00	SUPERSTRUCTURE ABOVE 75'			X	
SSP-220.00	SPECIAL OPERATION SITE LAYOUT			X	
SSP-300.00	WEST & NORTH ELEVATION			X	
SSP-310.00	EAST & SOUTH ELEVATION			X	
SSP-320.00	TOWER CRANE ERECTION				X
SSP-900.00	TYPICAL DETAILS			X	

**RELATED APPLICATIONS:**

- 122887224 - NB
- 122887224 - FENCE
- 122887224 - STRUCTURAL
- 122887224 - SOE
- 122887224 - FOUNDATION
- 122887224 - PLUMBING
- SIDEWALK SHED TO BE FILED

B.E.S.T:	B.E.S.T SQUAD 2 LAFAYETTE STREET, 12TH FLOOR NEW YORK, NY 10007 (212) 602-0406
D.O.B.:	MANHATTAN BOROUGH OFFICE 280 BROADWAY MANHATTAN, NY 10007 (212) 393-2614
GENERAL INFORMATION AND COMPLAINTS:	311
MAJOR BUILDING CONSULTING	MAJOR BUILDING CONSULTING 21 WEST 38TH ST, 12TH FL NEW YORK, NY 10018 P: (212) 683-7200
D.O.B. INCIDENTS REPORTING	212-602-0431

**EMERGENCY  
 TELEPHONE  
 NUMBERS**

AMBULANCE:	ST. LUKE'S ROOSEVELT HOSPITAL CENTER 1000 TENTH AVENUE NEW YORK, NY 10019 212-523-4000
FIRE HOUSE:	ENGINE 40 LADDER 35 131 AMSTERDAM AVENUE NEW YORK, NY 212-570-4240
D.O.T.:	BUREAU OF PERMIT MANAGEMENT AND CONSTRUCTION CONTROL (OCMC) 55 WATER STREET NEW YORK, NY 10041 (212) 839-9588
POLICE PRECINCT HOUSE:	20TH PRECINCT 120 W 82ND ST NEW YORK, NY 10024 212-580-6411

PREPARED BY:



PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

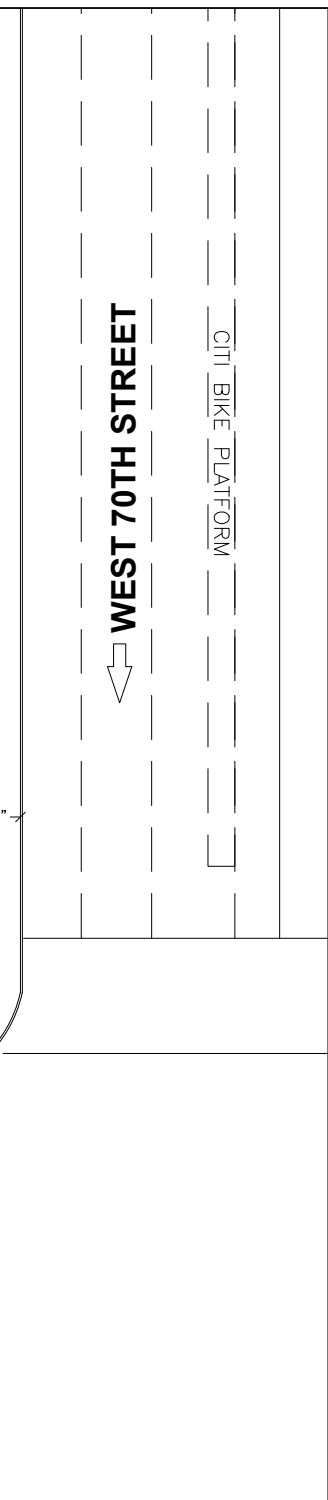
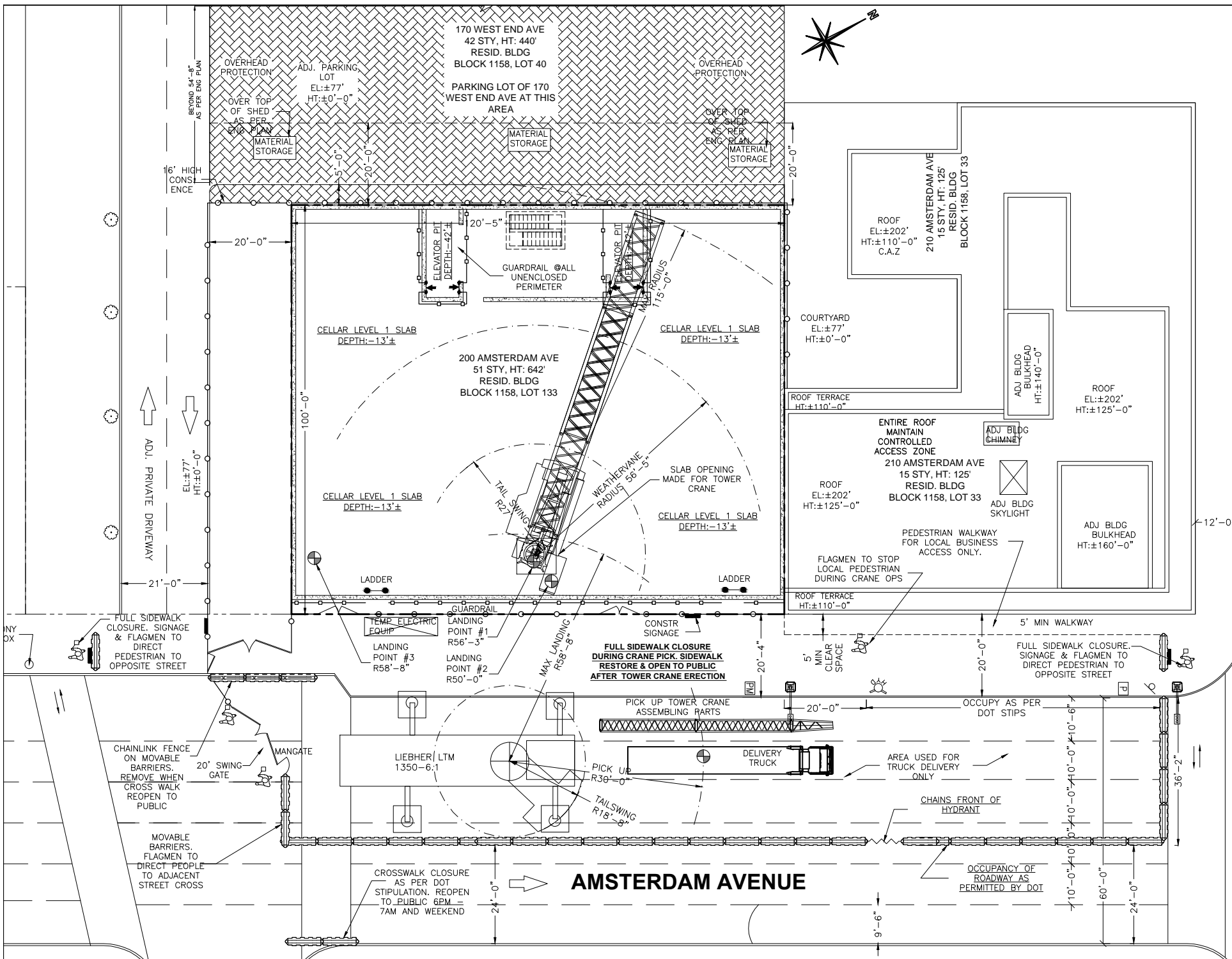
DRAWING TITLE:

TITLE SHEET

SEAL & SIGNATURE:



SCALE: N/A	DWG NO.: SSP-001.03
DATE: 08-08-18	FILE NUMBER: 200 AMSTERDAM AV
DRAWN BY: Y.Z.	CHECK BY: F.K.



**LEGEND:**

---	PROPERTY LINE
○	CONSTRUCTION FENCE
□	GUARDRAIL
×	CHAIN LINK FENCE
~	NETTING
⊕	STANDPIPE WITH RISER
	MESH ON TOP OF 4' PLYWOOD FENCE
▨	WORK/LOAD PLATFORM
▩	TIMBER BARRIERS
▧	PLASTIC BARRIER FILLED WITH WATER
▦	CONCRETE BARRIER
▤	HEAVYDUTY SIDEWALK SHED
▣	OVERHEAD PROTECTION
▢	ROOF PROTECTION
○	SIGN POLE
□	FLAGMAN AS REQUIRED
●	LADDER
⊙	RED LIGHT FOR FDNY INDICATION

REVISION 2 04.24.2018, Y.Z.  
 2.1 ADD SHEET SSP-200, SSP-210, SSP-220, SSP-300 AND SSP-310 TO SHOW PROJECT IN SUPERSTRUCTURE PHASE.

REVISION 3 07.18.2018, Y.Z.  
 3.1 ADD SHEET SSP-320 TO SHOW SITE LAYOUT DURING TOWER CRANE ERECTION.

Site Safety Plan for:  
**200 AMSTERDAM AVE**  
**NEW YORK, NY**

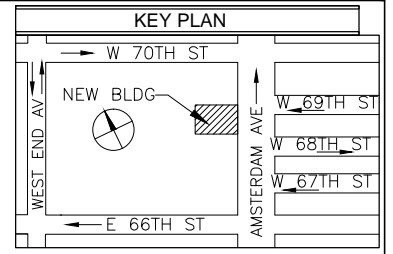
**Owner**  
 AMSTERDAM AVE REDEVELOPMENT A  
 11 TIMES SQUARE  
 NEW YORK, NY 10036  
 PH:201-592-1311  
 ATTN:VICTOR CIVIDINI

**Safety Engineer/Designer**  
 Major Building Consulting  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 Attn: Fehmi Kaya.

**Architect/Engineer**  
 ELKUS / MANFREDI ARCHITECTS  
 25 DRYDOCK AVENUE  
 BOSTON, MA 02210  
 Ph: 617-426-1300  
 Attn: HOWARD F ELKUS  
 LICENCE: 018768

**Contractor**  
 Pavarini McGovern LLC  
 770 Broadway  
 New York, NY 10003  
 Ph: 212-907-0900  
 Attn: Eric McGovern  
 Proj Super: A.B. Olevic - Lic 1660

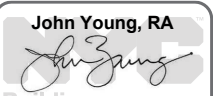
**Site Safety Manager**  
 City Safety Compliance  
 21 W 38th Street, 11th Floor  
 New York, NY 10018  
 Ph: 646-626-7373  
 SSM TO BE DETERMINED



PREPARED BY:  
**MAJOR BUILDING CONSULTING**  
 CONSTRUCTION CODE & SAFETY EXPERTS  
 21 WEST 38TH ST, 11TH FL  
 NEW YORK, NY 10018  
 TEL: 646-626-7373

PROJECT: New Building At 51 Stories  
 200 AMSTERDAM AVE  
 New York, NY 10024, 642' HT  
 Block 1158, Lot 133, CB 107  
 Job # 122887224, BIN: 1030358

DRAWING TITLE:  
**TOWER CRANE ERECTION**

SEAL & SIGNATURE:  
  
**APPROVED**  
**AMENDED PLAN**  
**08/17/2018**  
**BEST SSP**

SCALE:  
 1"=30' (11X17)  
 1"=15' (24X36)

DWG NO.:  
**SSP-320.00**

DATE: 08-08-18  
 DRAWN BY: Y.Z.  
 CHECK BY: F.K.

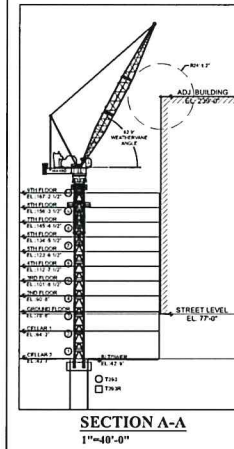
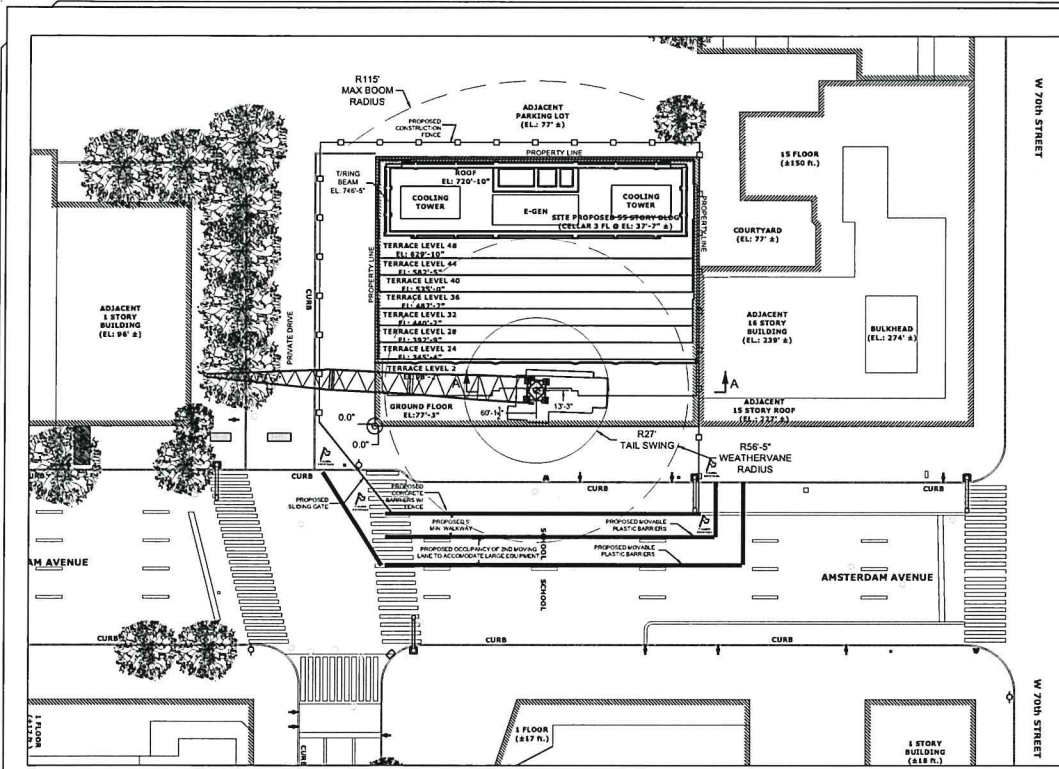
FILE NUMBER:  
 200 AMSTERDAM AV

7  
 12

- NOTES:**
- FOR GENERAL NOTES, LIST OF DRAWINGS AND LEGEND REFER TO DRAWING SSP-002.
  - FOR TYPICAL DETAILS REFER TO SSP-900.
  - EQUIPMENT THAT IS PLANNED TO USE FOR SUPERSTRUCTURE ARE:
    - a. TOWER CRANE
    - b. CONCRETE PUMP/TRUCKS, STATIONARY PUMP.
    - c. WHEEL DUMP TRUCKS
  - TOWER CRANE IS BEING PLANNED TO USE. MOBILE CRANE TO BE USED FOR DELIVERY AND HELPING SET OF TOWER CRANE. SEE PAGE SSP-320 FOR SITE LAYOUT WHEN USING A CRANE.
  - ALL THE WORK PLATFORMS SHOWN ON THE PLAN ARE INSTALLED AS PER ENGINEERING DRAWING. GC TO KEEP COPY ON SITE AS REFERENCE.
  - AT LEAST 2 MEANS OF EGRESS WILL BE MAINTAINED AT ALL TIMES. FALL PROTECTION SHALL BE PROVIDED TO WORKER WORKED AT UNENCLOSED PERIMETER AS PER ENGINEERING DRAWING.
  - AT LEAST 5'-0" CLEAR WALKWAY WILL BE MAINTAINED AT ALL TIMES.
  - NEW BUILDING PERMIT HAS BEEN APPROVED BY THE DOB WITH PERMIT #122887224-NB.
  - ALL BARRIERS ON STREET SIDE SHALL BE INSTALLED AS PER DOT STIPS, AND 4' MESH ON TOP OF 4' PLYWOOD SHALL BE INSTALLED ON THE CURB SIDE OF THE LANE CLOSURE WHERE IS USED FOR CONSTRUCTION PURPOSE AND MATERIAL STORAGE, TO MAINTAIN CONTROLLED ACCESS.
  - ALL BARRIERS ON STREET SHALL CONFORM TO DOT STIPULATIONS AND MANUFACTURE SPECIFICATIONS.
  - NO OBSTRUCTION FOR FIRE DEPARTMENT CONNECTION CONNECTION AT LEAST 5 FEET ON BOTH SIDES, AND SHALL BE MARKED BY METAL SIGN READING STANDPIPE CONNECTION.
  - ROOF PROTECTION ON ADJACENT BUILDINGS IS INSTALLED AS INDICATED WHEN REQUIRED BY CH33 OF THE NYC BC AND NO ROOF PROTECTION IS INSTALLED ON THE SETBACKS AS AGREED BY THE BUILDING MANAGEMENT.
  - SIDEWALK SHED IS INSTALLED AS PER APPROVED DOB DRAWINGS.
  - WATCHMAN SHALL BE PRESENT ON SITE AT ALL TIMES ONLY DURING NON-WORKING HOURS.
  - FLAGMEN SHALL BE ON SITE AS REQUIRED. DOOR INSIDE PEDESTRIAN WALKWAY WILL BE CLOSED DURING CRANE PICK.
  - ALL PERMITS SHALL BE KEPT ON SITE BEFORE COMMENCEMENT OF WORK FOR THAT PERMIT.
  - OVERHEAD PROTECTION WILL BE INSTALLED AT ENTRY POINTS DURING STEEL ERECTION PHASE ONLY.
  - BARRIERS WITH FENCE ON TOP SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL AND IN ACCORDANCE TO THE EFFECT OF WINDLOADS AS PER CHAPTER 16 OF THE BC..
  - OCCUPANCY OF 2 LANES AS PERMITTED BY DOT 24/7. OCCUPANCY OF 3 LANES AS PERMITTED FOR LARGE EQUIPMENT USAGE ONLY. TIME AS PERMITTED BY DOT.
  - LADDERS, RAMP, GUARD SHACKS, STAIR TOWERS, GATES, TRAILERS, PORTO SANS AND MATERIAL STORAGE TO BE MOVED ON THE JOB SITE AS PER CONTRACTOR'S WORK SCHEDULE.

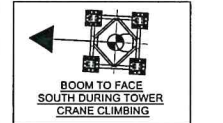
TOWER CRANE INFO	M440D TOWER CRANE
MAX SWING RADIUS	115'-0"
WEATHERVANE RADIUS	56'-5"
TAIL SWING RADIUS	27'-0"
CN#'S	0913/17

MOBIKE CRANE INFO	LIEBHEER LTM 1350-6.1 MOBILE CRANE
MAX SWING RADIUS	58'-8"
MIN RADIUS	20'-0"
TAIL SWING RADIUS	18'-8"
CN#'S	027018



**SECTION A-A**  
1"=40'-0"

CRANE USER  
RAISE HOOK TO TWO-BLOCK  
SHUT OFF AND LOWER BLOCK  
LEFT TO REDUCE HOOK BLOCK  
SWAY DURING WEATHERVANE.  
ENSURE BOOM IS AT 56'  
WEATHERVANE RADIUS.



**GENERAL NOTES FOR TOWER CRANES WITH INSPECTIONS BY CRANES - ENGINEERS**

APPROXIMATE TERMINATION OF CRANE OPERATIONS UNDER THIS CRANE NOTICE: 02/28/19

1) MAXIMUM LIVE LOAD LIFTED SHALL NOT EXCEED LIMITATIONS OF THE NYC APPROVED LOAD CHART

2) THIS APPROVAL IS FOR PLACEMENT OF CRANE ONLY, WITH PERMISSION TO OPERATE AND LIFT LOADS SUBJECT TO ON-SITE INSPECTION AND PASSING A SATISFACTORY ASSEMBLED INSPECTION BY THE DIVISION OF CRANES AND DERRICKS

3) ONLY NEW YORK CITY LICENSED OPERATORS SHALL OPERATE THE CRANE

4) CRANE COMPONENTS SHALL NOT BE ASSEMBLED WITHOUT FIRST PASSING UNASSEMBLED INSPECTION BY THE DIVISION OF CRANES AND DERRICKS

5) CONTRACTOR SHALL FILE CLIMBING NOTICES TWO DAYS PRIOR TO A CLIMB AND A PLUMBERS AND TORQUE REPORT AFTER EACH CLIMB

6) CONTRACTOR TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS IN THE FIELD PRIOR TO COMMENCING WITH THE WORK AND FABRICATING STEEL COMPONENTS ANY ERRORS, OMISSIONS OR UNUSUAL FIELD CONDITIONS TO BE REPORTED TO THE VALJATO ENGINEERING IMMEDIATELY

7) CRANE TO BE ADJUSTED PLUMB TO WITHIN TOLERANCES PER 102 HEIGHT

8) THE OPERATIONAL NOTES HEREIN ARE OFFERED FOR INFORMATIONAL PURPOSES AND ARE NOT TO BE TAKEN TO MEAN THAT THE ENGINEER IS ANY WAY INVOLVED IN OR IS RESPONSIBLE FOR THE ACTUAL PLACEMENT, INSTALLATION OR OPERATION OF THE CRANE IN THE FIELD

9) REDUCE LOAD RATINGS TO ACCOUNT FOR WIND ON LOAD. CONSULT OPERATOR'S MANUAL FOR REQUIREMENTS WHEN WIND EXCEEDS 20 MPH. DO NOT OPERATE IN WINDS OVER 30 MPH

10) IF WINDS EXCEED 20MPH LOWER BOOM TO WEATHERVANE

11) SEE MANUFACTURER'S INSTRUCTIONS FOR ADDITIONAL INFORMATION

12) CRANE IS NOT TO BE DELIVERED TO SITE BEFORE INSPECTION DATE AND IS TO BE OPERATED ONLY BY A NEW YORK CITY LICENSED OPERATOR

13) THIS INSTALLATION REQUIRES CONTROLLED INSPECTION OF THE CRANE PLACEMENT AND SUPPORTS BY NEW YORK CITY DEPARTMENT OF BUILDINGS CRANES AND DERRICKS'S DIVISION

14) THIS APPROVAL IS FOR CRANE PLACEMENT ONLY WITH PERMISSION TO OPERATE AND LIFT LOADS SUBJECT TO ON-SITE INSPECTION AND PASSING ASSEMBLED INSPECTION BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS CRANES AND DERRICKS'S DIVISION

15) APPROVAL OF THIS APPLICATION IS GRANTED CONTINGENT UPON THE APPLICANT FURNISHING A PERMIT FROM THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION, IF REQUIRED

16) CRANE MUST MAINTAIN A MINIMUM OF 4FT CLEARANCE TO ALL OBSTRUCTIONS

17) CRANE CLIMBING SHALL BE DONE IN BALANCED POSITION WITH WIND NOT EXCEEDING 20 MPH. FOLLOW CRANE MANUFACTURER'S REQUIREMENTS FOR CLIMBING. CLIMBING SHALL BE DONE BY EXPERIENCED PERSONNEL

18) BEFORE CRANE IS INITIATED FOR CLIMBING, THE CONCRETE SHALL HAVE FIRST ATTAINED A MINIMUM STRENGTH OF 3500PSI

**WARNING**

1) CRANE OPERATIONS ARE TO BE CONDUCTED IN ACCORDANCE WITH ALL CITY, STATE AND FEDERAL REGULATIONS AND ALL APPLICABLE CODES AND ORDINANCES OF THE CITY OF NEW YORK, STATE OF NEW YORK AND FEDERAL GOVERNMENT.

2) NO HOT TAPPING SHALL BE DONE OVER PEDESTRIANS, VEHICLES OR ADJACENT BUILDINGS. WORKING FROM BOOMS SHALL NOT EXCEED ADJACENT BUILDINGS WORKERS, PEDESTRIANS AND OCCUPIED VEHICLES

3) PROVIDE MPT AND FLAGMANS AS REGD

4) THERE IS NO NYCT STRUCTURE WITHIN 200' OF CRANE

5) AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, JUNE 1, 1989 (AISC) AS MODIFIED BY SUPPLEMENT TO ARTICLE 6 OF THE NYC BUILDING CODE

6) ACCESS TO 100' MINIMUM DESIGN LOAD (CONCRETE & STRUCTURAL STEEL)

7) AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS AT THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ENGINEER'S PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION

8) WELDERS TO BE IN ACCORDANCE WITH AWS SPEC USE EXXX ELECTRODE WELDER TO BE TO HAVE NYC LICENSE

9) REUSE OF SALVAGED MATERIALS IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY ENGINEER IN WRITING

10) CONTRACTOR IS RESPONSIBLE TO DESIGN ACCEPTABLE FLAGMAN AND TRAFFIC CONTROL DEVICE LAY OUT. ONLY SCHEMATIC DESIGNER SHOULD CONTRACTOR TO SELECT APPROPRIATE TRAFFIC CONTROL DEVICES INCLUDING BUT NOT LIMITED TO SIGNS, CHANNELLING DEVICES, FENCING AND BARRIERS. BARRIERS OR CONES IN ACCORDANCE WITH NYCDOT SPECIFICATION (TYPICALLY MOST RECENT VERSION OF PART 8 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS)

11) MATERIALS, UNLESS OTHERWISE SHOWN ON DRAWINGS: A. BASIC STEEL: ASTM A36 OR A572 OR A575 OR A588 OR ALL TUBULAR SECTIONS: ASTM A500, GRADE B ALL PIPE SECTIONS: ASTM A53, GRADE B THROUGH BOLTS, ROD, U OR N: ASTM A325 BOLT U OR D: ASTM A325 HIGH STRENGTH BOLT STRUCTURAL ITEMS OTHER THAN LISTED ABOVE: ASTM A325 OR A192 GRADE 50

**DRAWING USE NOTES:**

1) THESE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION FROM THE TOWER CRANE INSTALLATION AND THE TOWER CRANE OPERATOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE TOWER CRANE OPERATOR AND THE TOWER CRANE INSTALLATION AND THE TOWER CRANE OPERATOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE TOWER CRANE OPERATOR AND THE TOWER CRANE INSTALLATION AND THE TOWER CRANE OPERATOR.

**BUILDING ENGINEER OF RECORD INFORMATION**

COMPANY NAME: DEXIMONE CONSULTING ENGINEERS  
ADDRESS: 140 BROADWAY, 25TH FLOOR, NEW YORK, NY 10005  
PHONE: 212-532-2211

**PLAN VIEW**  
1"=15'-0"

TRUE NORTH  
PLAN NORTH

**LEGEND:**

- (MH) MANHOLE
- BARRICADE
- TRAFFIC CONES
- STREET LAMP
- UTILITY POLE
- FIRE HYDRANT
- TREE
- FENCE

**PRODUCTS ENGINEERED BY OTHERS**

DESIGNING ENGINEERS  
By George Robinson, Date 3/19/2018

**SPECIAL INSPECTION:**

1) PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF AN ACCEPTABLE LICENSED PROFESSIONAL ENGINEER WHO SHALL HAVE PROVEN EXPERIENCE ACCEPTABLE TO THE OWNER AND ARCHITECT WITHIN RELEVANT QUALIFICATIONS SHALL INCLUDE A PROFESSIONAL LIABILITY INSURANCE CONTRACT OF 1 MILLION DOLLARS AND A MINIMUM PROVEN EXPERIENCE OF 5 YEARS WITH SIMILAR WORK.

2) CONTRACTOR TO PROVIDE INSPECTION REPORTS TO AGENTS ENGINEERING FOR ALL PREFABRICATED STRUCTURAL MEMBERS INCLUDING WELDS AND BOLTS AND CLIENTS' PLUMBING AND MECHANICAL TRAFFIC REPORTS.

3) ALL TESTS TO BE COVERED BY SPECIAL INSPECTIONS LISTED BELOW THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS OF SHALL PROVIDE SPECIAL INSPECTION SERVICES AS FOLLOWS:

- FOUND AND FOUNDATION
- CONCRETE WORK
- CONCRETE SAMPLING AND TESTING
- STEEL FOUNDATION PLANS
- STEEL ERECTION
- STEEL CONNECTIONS

4) SPECIAL INSPECTION REPORTS MUST BE SUBMITTED TO THE OWNER AND MUST BE SUBMITTED WITHIN 10 DAYS OF EACH INSPECTION. THE SPECIAL INSPECTION REPORT MUST SATISFY THE REQUIREMENTS IN 1 NYC 08 04 04.

5) THE CONTROLLED INSPECTION ENGINEER SHALL DIFFERENT THE FUNDING OF INSPECTIONS REPORTS AND SHALL BE RESPONSIBLE FOR THE REPORTS TO BE SUBMITTED TO THE OWNER AND ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPORTS TO BE SUBMITTED TO THE OWNER AND ARCHITECT.

**CONCRETE:**

- CONCRETE MATERIALS, DESIGN, AND CONSTRUCTION SHALL MEET REQUIREMENTS OF THE REFERENCED STANDARDS TO AND INCREASE
- CONCRETE FOR FOOTINGS SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS. UNLESS OTHERWISE NOTED, CONCRETE MUST REACH 100% COMPRESSIVE STRENGTH PRIOR TO CONCRETE USE.
- THE CONCRETE MIX SHALL BE DESIGN, INSPECTED AND TESTED BY AN INDEPENDENT LABORATORY LICENSED BY THE BUILDING DEPARTMENT OF THE CITY OF NEW YORK. THREE TEST CYCLES SHALL BE TAKEN AT EACH LEVEL OF FOOTINGS OF EACH COLUMN. COMMENTS SHALL CONFORM TO ASTM C1318. AGGREGATES SHALL CONFORM TO ASTM C33. AIR ENTRAINMENT SHALL CONFORM TO ASTM C430.
- ALL NEW CONCRETE SHALL BE SET WITHIN 90 MINUTES OF POURING.
- ALL WELDED REINFORCING SHALL CONFORM TO ASTM A618 OR A618 GR50.
- REINFORCEMENT SHALL BE ACCURATELY PLACED AND ADJUSTED TO SUPPORT THE LOADS OF THE CONCRETE. IT SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING:
- ALL REINFORCEMENT SHALL BE SET TO A MINIMUM OF SIX TIMES THE NORMAL CLEARANCE OF THE BAR ON WIND.
- PROVIDE 18" ON 30" L100 AT TOPS OF LONGITUDINAL REINFORCEMENT, SEE DETAIL U-10 ON SHOWN ON DWG.
- ANCHOR PLATES TO BE WITHIN 48" OF ANY GRADE 50.

**REVISIONS:**

1) REVISED DRAWINGS REVIEWED FOR CLOUDY ITEMS AND OTHER IMPACT ON THE STRUCTURE.

2) SCHEDULES WILL BE REVISOR SHOWING MINOR ADDITIONAL REVISIONS REQUIRED TO ACCOMMODATE TOWER CRANE LOADS.

3) CONTRACTOR WILL VERIFY LOAD FACTORS PROVIDED TO DATE ON 8/28/2018 REGARDING SHOWN DRAWINGS SUBMITTED ON 8/28/2018 ARE STILL VALID.

**OVERHEAD WIRE SAFETY NOTES:**

1) Assume cable type is power line 4' minimum.

2) Contractor to contact owner of nearby overhead wires to verify crane clearance and get any data. If no data, assume 4' minimum clearance.

3) 200' minimum clearance between energized power lines and the crane and its load.

4) 100' minimum clearance between energized power lines and the crane and its load.

5) 50' minimum clearance between energized power lines and the crane and its load.

6) 25' minimum clearance between energized power lines and the crane and its load.

7) 10' minimum clearance between energized power lines and the crane and its load.

**CRANE INFORMATION**

CR	XXXX
SPBL	XXXX
MADE	FAVCO
MODEL	MA40D

MAX CONFIG 681'-11" MAX & 127'-4" MAX BOOM (1 PART OF LINE)  
MAX RADIUS: 115' WITH MAXIMUM OF 35 400 LB LOAD  
MAX LOAD: 55 200 LB @ 70' OR LESS RADIUS

**MAP AREA:**

**JOB ADDRESS:**  
200 AMSTERDAM AVE  
MANHATTAN, NY 10023  
BIN: 1030358 LOT: 133  
BLOCK: 1158

**VALJATO ENGINEERING, P.C.**

249 HINDALE STREET, 2ND FLOOR,  
BROOKLYN, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**

1) THIS DRAWING IS PART OF THE SECTION TITLE. IT STATES THAT ALL PORTIONS OF THIS DRAWING SHALL BE SUBJECT TO THE REVIEW OF A LICENSED PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE TOWER CRANE OPERATOR AND THE TOWER CRANE INSTALLATION AND THE TOWER CRANE OPERATOR.

**CLIENT:** US CRANE & RIGGING

NO.	DATE	REVISIONS
1	06/23/2017	FOR COMMENTS SUBMISSION
2	06/23/2017	FOR FOUNDATION SUBMISSION
3	08/03/2017	FOR COMMENTS SUBMISSION
4	09/20/2017	CRANE LOCATION & DOOR SUBMISSION
5	11/15/2017	REVISION & COMMENTS TO COR
6	12/29/2017	ELEVATION TO COR

**DRAWING TITLE:** GEN NOTES SITE PLAN VIEW

NYC DOB #: CN#0913/17

PROJECT FILE # 16-428

DESIGNER: ANF

CHECKED BY: [Signature]

DWG #: TC-001.00

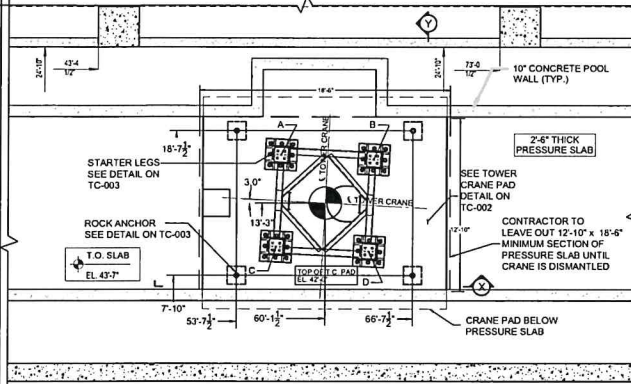
SCALE: AS NOTED

1/29/2017

**ROCK ANCHOR LOAD:**  
WORKING DESIGN LOAD = 400 K  
TEST TO 532 K  
LOCK @ 467 K

**VERIFY MAX LOAD:**  
 $< 0.6 \times F_u \times A = 467 \text{ K}$   
 $< 0.8 \times F_u \times A = 623 \text{ K}$   
 $< 0.7 \times F_u \times A = 545 \text{ K}$

BUILDING FOUNDATION SHOWN FOR REFERENCE ONLY. FOR THE LATEST AND MOST ACCURATE INFORMATION SEE FOUNDATION DRAWINGS BY DESIMONE CONSULTING ENGINEERS

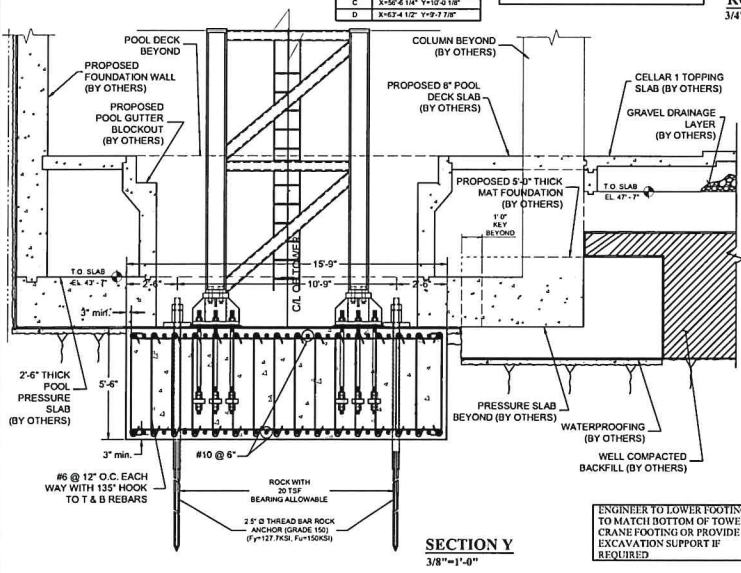


PLAN VIEW AT CELLAR 2  
1/4"=1'-0"

REFER TO STRUCTURAL PLANS FOR REQUIRED REINFORCING AROUND TEMPORARY TOWER CRANE SLAB OPENINGS.

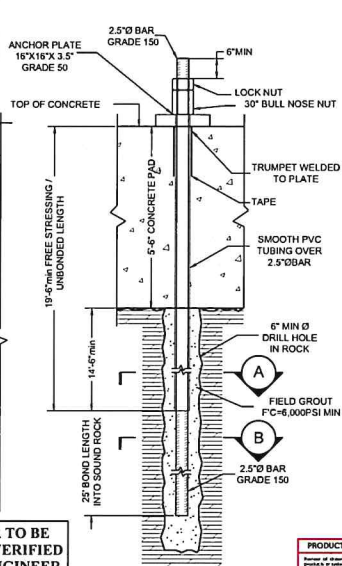
TOWER	COORDINATES (K,Y)
A	X=56.10.58" Y=116.10.18"
B	X=62.34.34" Y=116.5.34"
C	X=56.6.14" Y=116.0.18"
D	X=63.4.12" Y=92.7.78"

ROCK ANCHOR TO BE DETAILED AND VERIFIED BY GEOTECH. ENGINEER LICENSED IN NYS.



SECTION Y  
3/8"=1'-0"

ENGINEER TO LOWER FOOTING TO MATCH BOTTOM OF TOWER CRANE FOOTING OR PROVIDE EXCAVATION SUPPORT IF REQUIRED.

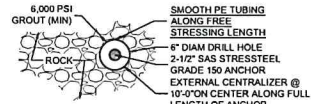


ROCK ANCHOR DETAIL  
3/4"=1'-0"

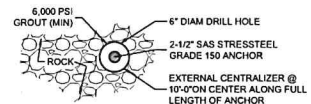
SEE PREVIOUS COMMENTS.

**PRODUCTS ENGINEERED BY OTHERS**

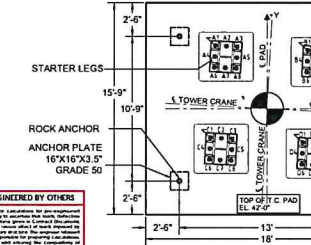
DESIMONE CONSULTING ENGINEERS  
By George Mulvaney, P.E. Date: 1.19.2016



VIEW A-A  
1-1/2"=1'-0"



VIEW B-B  
1-1/2"=1'-0"



TOWER CRANE PAD DETAIL  
1/4"=1'-0"

- ROCK ANCHOR NOTES:**
- ROCK TO BE AT LEAST BEARING CAPACITY MIN.
  - ROCK ANCHORS SHALL BE 2.5" Ø GRADE 150 BAR OR APPROVED EQUAL.
  - ROCK ANCHORS SHALL BE ENCAPSULATED WITH HIGH STRENGTH PE SLEEVE ON UN-BONDED LENGTH.
  - ANCHOR NUTS & COUPLERS SHALL BE CAPABLE OF DEVELOPING 100% OF THE ULTIMATE STRENGTH OF BAR.
  - DO NOT WELD IN THE VICINITY OF THE HIGH STRENGTH BARS.
  - DO NOT USE ANCHORS AS ROUND FOR WELDING.
  - ALL ANCHORS SHALL BE PROOF TESTED USING A CALIBRATED CENTER HOLE JACK BY INCREMENTALLY LOADING THE ANCHOR: AL, 25P, 50P, 75P, 1.00P, 1.25P, 1.33P WHERE "AL" IS THE ALIGNMENT LOAD AND "P" IS THE DESIGN LOAD. HOLD 1.33P FOR CREEP TEST FOR 10 MINUTES. THE ANCHOR IS ACCEPTABLE IF ANCHOR MOVEMENT BETWEEN 1MIN AND 10MIN DOES NOT EXCEED 0.04P. RELEASE TO PRE-LOAD AND LOCK OFF ANCHOR NUT.
  - MUST HAVE ONE PERFORMANCE TEST PER ANCHOR TYPE.
  - PRIOR TO CONSTRUCTION, CONTRACTOR IS TO PROVIDE MILL CERTIFICATE, CUT-SHEET FROM ANCHOR MANUFACTURER, GROUT MIX DESIGN, AND CERTIFIED GROUT TESTS.

- INSTALLATION PROCEDURE**
- SELECT CAISSON LOCATION AS INDICATED ON LAYOUT DRAWING.
  - DRILL AND CASE CAISSON HOLE W ASSOCIATED DIAMETER AS INDICATED ON THESE PLANS TO THE TOP OF THE SOCKET ELEVATION. THE ASSOCIATED DRILLING WILL BE ADVANCED SIMULTANEOUSLY WITH THE DRILLING.
  - USING INTERNAL FLUSHED COMPRESSED AIR AND WATER. AFTER CASING IS FIRMLY SEATED IN ROCK (A MINIMUM OF ONE FOOT INTO CLASS 1), INSERT THE DOWN-THE-HOLE HAMMER INTO THE HOLE AND DRILL THE SOCKET LENGTH.
  - USING COMPRESSED AIR AND WATER, CLEAN THE HOLE OF ALL CUTTINGS AND DEBRIS AND REMOVE THE DRILLING TOOLS AND PERFORMANCE VIDEO CAMERA INSPECTION, AS PER PROJ. SPECS. AS REQUIRED.
  - INSTALL THE THREAD BARS WITH CENTRALIZERS AS INDICATED.
  - INSERT A PIPE TO THE BOTTOM OF THE HOLE AND PUMP FULL OF CEMENT GROUT THE TOP. PUMP GROUT UNTIL GOOD GROUT RETURN IS NOTED AT THE TOP. TREMIE PIPE MAY BE PRE-INSTALLED WITH BARS INDICATED IN STEP 6.

**DESIGN LOADS FOR FAVCO SH480**  
11'-0" HAST HEIGHT & 12'-0" MAIN BEAM  
MAX RADIUS 115' W/ 35 KIP LOAD  
MAX LOAD 55.2 KIP @ 10' CENTER TO CENTER  
OUT OF SERVICE REACTIONS  
Overturning Moment M = 8870.8 Raips  
Vertical Load of Crane W = 95.4 kips  
SI SERVICE REACTIONS  
Overturning Moment M = 6931 Raips  
Vertical Load of Crane W = 148 kips  
Horizontal Force H = 324.4 kips

ANCHOR	COORDINATES (K,Y)	ANCHOR	COORDINATES (K,Y)
A1	X=2-9.3122" Y=4-3.31"	B1	X=2-11.3122" Y=4-4.312"
A2	X=2-9.7122" Y=4-7.718"	B2	X=2-9.2122" Y=4-3.816"
A3	X=2-2.12" Y=2.1122"	B3	X=2-7.816" Y=4.116"
A4	X=2-9.1522" Y=2-10.58"	B4	X=2-11.1522" Y=2-4.1122"
A5	X=2-2" Y=2.9.58"	B5	X=4-6.1516" Y=2.5.516"
A6	X=2-1.11" Y=2.2922"	B6	X=2-10.1516" Y=2.8.1922"
A7	X=2-1.16" Y=2.0.222"	B7	X=2-8.116" Y=2.8.222"
A8	X=2-3.1722" Y=2-11.78"	B8	X=4-4.716" Y=2-7.1922"
ANCHOR	COORDINATES (K,Y)	ANCHOR	COORDINATES (K,Y)
C1	X=4-4.516" Y=2-1.2522"	D1	X=2-2.1122" Y=2-2.252"
C2	X=2-4.816" Y=2-5.516"	D2	X=2-1.2522" Y=2-4.1922"
C3	X=2-4.2722" Y=2-2.1316"	D3	X=4-3.532" Y=2-7.116"
C4	X=4-3.1516" Y=2-1.1722"	D4	X=2-7.532" Y=2-3.1316"
C5	X=2-7.1122" Y=2-3.816"	D5	X=4-2.56" Y=2-3.2122"
C6	X=4-3.516" Y=2-9.222"	D6	X=2-4.2122" Y=4-1.8116"
C7	X=2-3.8.1922" Y=2-9.222"	D7	X=2-4.316" Y=4-2.116"
C8	X=2-7.2722" Y=2-10.922"	D8	X=4-2.116" Y=4-2.1922"

**MAP AREA:**

**JOB ADDRESS:**  
200 AMSTERDAM AVE  
MANHATTAN, NY 10023  
BIN: 1030356 LOT: 133  
BLOCK: 1158

**VALJATO ENGINEERING, P.C.**  
249 Hinesdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
PROJECTOR HAS NOT CONDUCTED VISUAL CHECK OF ALL DRAWINGS FOR CONFLICTS AND ERRORS TO THE BEST OF HIS KNOWLEDGE AND BELIEF. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS SHOWN HEREON. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE RECORD DRAWINGS AND FIELD SURVEY DATA.

**CLIENT**  
**US CRANE & RIGGING**

NO.	DATE	REVISIONS DESCRIPTION
1	06/20/2017	EOR COMMENTS SUBMISSION
2	06/23/2017	DOB FOUNDATION SUBMISSION
3	06/23/2017	EOR COMMENTS SUBMISSION
4	08/17/2017	ANCHOR BOLT LOCATIONS
5	09/28/2017	CRANE LOCATION & DOB SUBMISSION
6	11/15/2017	ELEV. REVISION & COMMENTS TO EOR
7	12/29/2017	REVISION TO EOR

**DRAWING TITLE**  
FOOTING PLAN VIEW SECTION AND DETAIL

**NYC DOB #:**  
CN#0913/17

**SIGNATURE & SEAL:**  
DESIMONE CONSULTING ENGINEERS

**PROJECT / FILE #:**  
15-028  
DRAWN BY: AAF  
CHECKER: SVF  
DWG #: TC-002.00  
Scale: AS NOTED





**CRANE USER:**  
RAISE HOOK TO TWO-BLOCK  
SHUT OFF AND LOWER BLOCK  
SWAY TO REDUCE HOOK BLOCK  
ZFTY DURING WEATHERVANING.  
ENSURE BOOM IS AT 56'  
WEATHERVANE RADIUS.

**STRUCTURE NOTES:**

- 1) TIE- FLOORS TO OBTAIN 3,500PSI (MIN) PRIOR TO JUMP
- 2) LATERAL FORCE RESISTING SYSTEM OF BUILDING THRU TOPMOST TIE IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS AS SHOWN
- ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

**CONSTRUCTION PROCEDURE NOTES:**

- 1) ERECTION JUMP & DISMANTLE FOR TOWER CRANE TO BE IN ACCORDANCE WITH MANUFACTURERS' SPEC AND APPROVED DRAWING
- 2) PRIOR TOWER CRANE JUMP CRANE HAS TO BE BALANCED AND CLIMBING FRAME HAS TO BE INSTALLED ACCORDANCE WITH MANUFACTURERS SPEC.
- 3) THE CONFIGURATION TO MATCH CONFIGURATION OF NEXT PHASE PRIOR TO CRANE JUMP

**PHASE 3-4**

- FROM STAGE 3**
- 1) CLIMB 3 TOWERS (BALANCED CRANE, NOT WORKING) TO 27 TOWERS
  - 2) INSTALL TIE #2
  - 3) RELEASE TIE #2
  - 4) CLIMB 4 TOWERS TO 31 TOWERS TOTAL

**PHASE 3 NOTES:**

**JUMP SEQUENCE NOTE:**  
CRANE MAY JUMP AND INSTALL (3) ADDITIONAL TOWER SECTIONS PRIOR TO FIXING THE FUTURE TIE-IN #3 SHOWN. CRANE MAY NOT OPERATE OR BE STORED WITH THE ADDITIONAL TOWER SECTIONS. CRANE MAY JUMP AND INSTALL (3) TOWER SECTIONS ONLY FOR THE PURPOSE OF CLIMBING FRAME CLEARANCE DURING TIE-IN INSTALLATION.

**PHASE #3 DESIGNED WITH WIND REDUCTION FACTOR. THIS ACTION PLAN IS NEEDED FOR PHASE #3.**

**PHASE 2-3**

- FROM STAGE 2**
- 1) CLIMB 3 TOWERS (BALANCED CRANE, NOT WORKING) TO 30 TOWERS
  - 2) INSTALL TIE #2
  - 3) CLIMB 4 TOWERS TO 24 TOWERS TOTAL

**PHASE 2 NOTES:**

**JUMP SEQUENCE NOTE:**  
CRANE MAY JUMP AND INSTALL (3) ADDITIONAL TOWER SECTIONS PRIOR TO FIXING THE FUTURE TIE-IN #3 SHOWN. CRANE MAY NOT OPERATE OR BE STORED WITH THE ADDITIONAL TOWER SECTIONS. CRANE MAY JUMP AND INSTALL (3) TOWER SECTIONS ONLY FOR THE PURPOSE OF CLIMBING FRAME CLEARANCE DURING TIE-IN INSTALLATION.

**PHASE #2 DESIGNED WITH WIND REDUCTION FACTOR. THIS ACTION PLAN IS NEEDED FOR PHASE #2.**

**PHASE 1-2**

- FROM STAGE 1**
- 1) CLIMB 3 TOWERS (BALANCED CRANE, NOT WORKING) TO 13 TOWERS
  - 2) INSTALL TIE #1
  - 3) CLIMB 4 TOWERS TO 17 TOWERS TOTAL

**PHASE 1 NOTES:**

**JUMP SEQUENCE NOTE:**  
CRANE MAY JUMP AND INSTALL (3) ADDITIONAL TOWER SECTIONS PRIOR TO FIXING THE FUTURE TIE-IN #1 SHOWN. CRANE MAY NOT OPERATE OR BE STORED WITH THE ADDITIONAL TOWER SECTIONS. CRANE MAY JUMP AND INSTALL (3) TOWER SECTIONS ONLY FOR THE PURPOSE OF CLIMBING FRAME CLEARANCE DURING TIE-IN INSTALLATION.

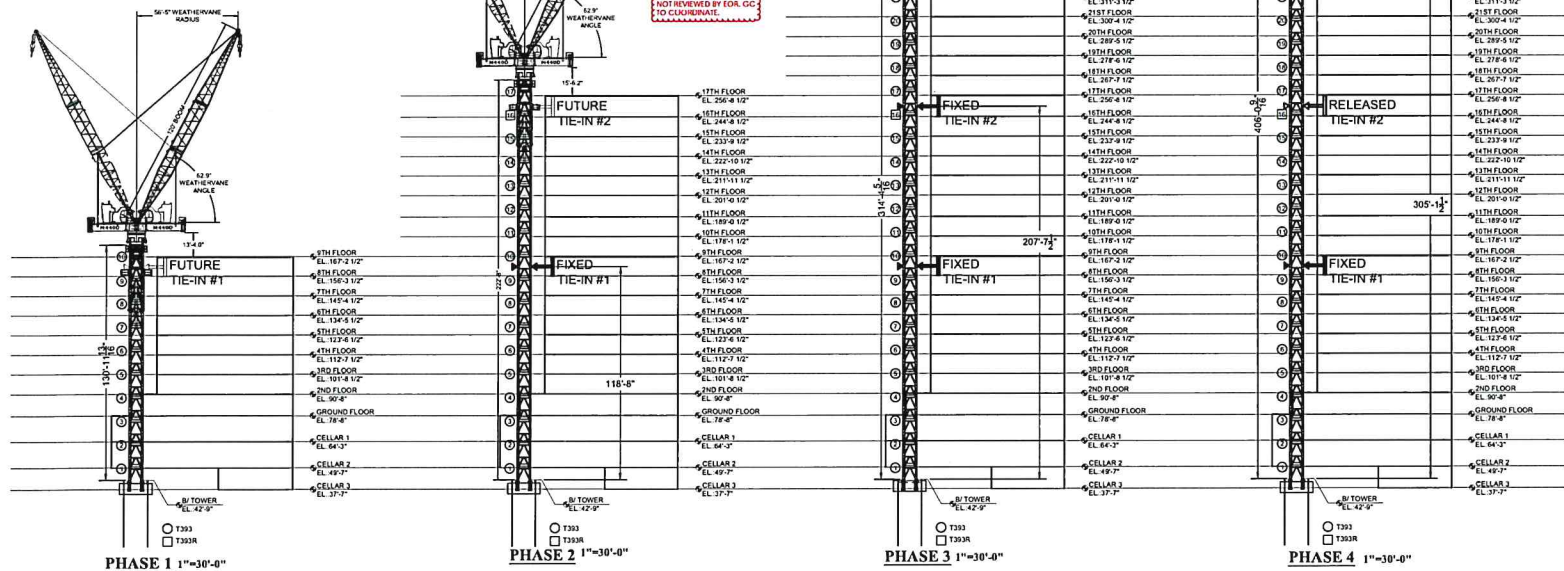
**PHASE #1 DESIGN WITH WIND REDUCTION FACTOR. THIS ACTION PLAN IS NEEDED FOR PHASE #1.**

**PRODUCTS ENGINEERED BY OTHERS**

THIS DOCUMENT IS THE PROPERTY OF VALJATO ENGINEERING, P.C. AND IS LOANED TO YOU BY THE ENGINEER OF RECORD. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. ANY UNAUTHORIZED USE OF THIS DOCUMENT IS STRICTLY PROHIBITED. THE USER AGREES TO HOLD VALJATO ENGINEERING, P.C. HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR FROM ANY SUCH UNAUTHORIZED USE. THIS AGREEMENT SHALL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.

DESIGNED AND ENGINEERED BY:  
George Hubbard, Date: 1/19/2019.

**DO NOT PHASING AND JUMP PLAN NOT REVIEWED BY EOR. DO NOT COORDINATE.**



**PHASE 4 NOTES:**

**JUMP SEQUENCE NOTE:**  
CRANE MAY JUMP AND INSTALL (4) ADDITIONAL TOWER SECTIONS PRIOR TO FIXING THE FUTURE TIE-IN #4 SHOWN. CRANE MAY NOT OPERATE OR BE STORED WITH THE ADDITIONAL TOWER SECTIONS. CRANE MAY JUMP AND INSTALL (4) TOWER SECTIONS ONLY FOR THE PURPOSE OF CLIMBING FRAME CLEARANCE DURING TIE-IN INSTALLATION.

**PHASE #4 DESIGNED WITH WIND REDUCTION FACTOR. THIS ACTION PLAN IS NEEDED FOR PHASE #4.**

**PHASE 4-5**

- JUMP SEQUENCE NOTE:**
- 1) CLIMB 4 TOWERS (BALANCED CRANE, NOT WORKING) TO 35 TOWERS
  - 2) INSTALL TIE #4
  - 3) RELEASE TIE #4
  - 4) CLIMB 3 TOWERS TO 38 TOWERS TOTAL

**MAP AREA:**

**JOB ADDRESS:**  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y 10023  
BN: 1030358 LOT: 133  
BLOCK: 1158

**NORTH**

**VALJATO ENGINEERING, P.C.**  
249 Hindsdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2107  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
READER OR USER OF THIS SECTION SHALL BE RESPONSIBLE FOR ALL PLANNING, SPECIFICATIONS, PERMITS AND APPROVALS. THE USER OF THIS PLAN IS TO BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

**CLIENT: US CRANE & RIGGING**

REVISIONS		
NO.	DATE	DESCRIPTION
1	06/20/2017	EOR COMMENTS SUBMISSION
2	08/03/2017	EOR COMMENTS SUBMISSION
3	10/03/2017	CHANGE LOCATION REVISION TO EOR
4	11/15/2017	CLERK REVISION & COMMENTS TO EOR
5	12/29/2017	REVISION TO EOR

**DRAWING TITLE**

**JUMP SCHEDULE**  
PHASE 1-4

**NYC DOB #**  
CN#0913/17

**SIGNATURE:** [Signature]

**PROJECT FILE #**  
16-428

**DRAWN BY:** AMF  
**CHECKED BY:** SV  
**DATE:** 12/29/2017

**TC-004.00**  
AS NOTED

**PRODUCTS ENGINEERED BY OTHERS**

Reference is made to the following products which have been designed and manufactured by other firms. It is the responsibility of the contractor to ensure that the products are installed in accordance with the manufacturer's instructions and specifications. The engineer is not responsible for the performance of these products.

**DESIGN CONSULTING ENGINEERS**  
By George Hubbard Date 3.19.2018

**CRANE JACKING AND JUMP PLAN NOT REVIEWED BY EOR. GC TO CONFORM.**

**PHASE 7 NOTES:**  
JUMP REQUIREMENT NOTE  
CRANE MAY JUMP AND INSTALL IN PHASE 7 FACTOR INSTALLATION MUST BE IN PHASE 7

**PHASE 6 NOTES:**  
JUMP REQUIREMENT NOTE  
CRANE MAY JUMP AND INSTALL IN PHASE 6 ADDITIONAL TOWER SECTIONS PRIOR TO BEING SHOWN. CRANE MAY NOT OPERATE OR BE SHOWN. CRANE MUST BE BALANCED AND CLIMBING FRAME HAS TO BE INSTALLED ACCORDANCE WITH MANUFACTURERS SPEC. CRANE MUST BE IN PHASE 6 FACTOR INSTALLATION MUST BE IN PHASE 6

**STRUCTURE NOTES:**  
1) THE FLOORS TO OBTAIN 3.00PSI (MIN) PRIOR TO JUMP. FORCE RESISTING SYSTEMS OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS AS SHOWN. ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP.

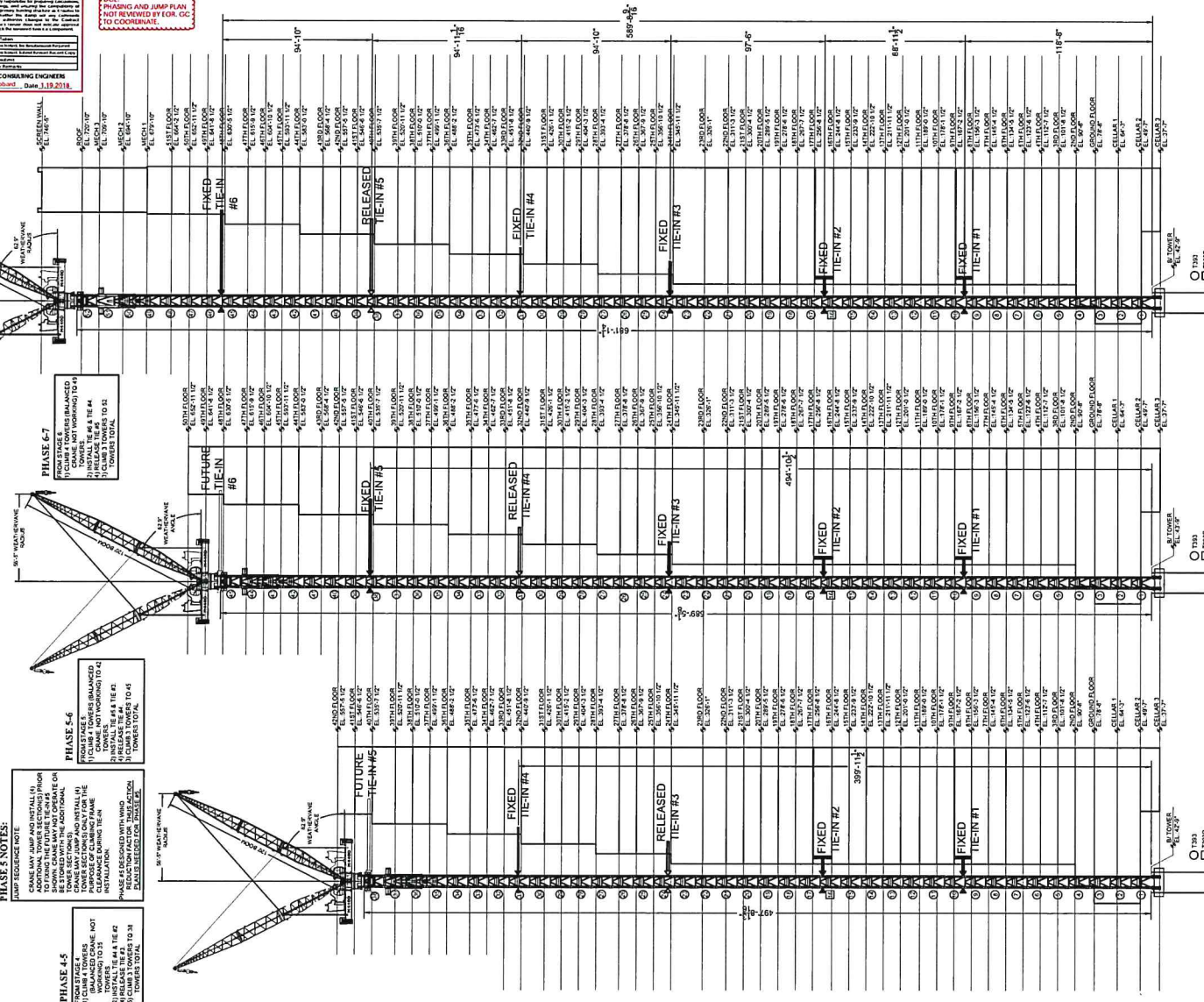
**CONSTRUCTION SEQUENCE NOTES:**  
1) ERECTION, JUMP & DISMANTLE FOR TOWER CRANE TO BE IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS.  
2) PRIOR TO CRANE JUMP, CRANE HAS TO BE BALANCED AND CLIMBING FRAME HAS TO BE INSTALLED ACCORDANCE WITH MANUFACTURERS SPEC.  
3) THE CONFIGURATION TO MATCH CONFIGURATION OF FIRST PHASE PRIOR TO CRANE JUMP.

**PHASE 4 NOTES:**  
JUMP REQUIREMENT NOTE  
CRANE MAY JUMP AND INSTALL IN PHASE 4 ADDITIONAL TOWER SECTIONS PRIOR TO BEING SHOWN. CRANE MAY NOT OPERATE OR BE SHOWN. CRANE MUST BE BALANCED AND CLIMBING FRAME HAS TO BE INSTALLED ACCORDANCE WITH MANUFACTURERS SPEC. CRANE MUST BE IN PHASE 4 FACTOR INSTALLATION MUST BE IN PHASE 4

**PHASE 4-5:**  
1) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
2) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
3) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
4) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
5) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.

**PHASE 5-6:**  
1) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
2) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
3) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
4) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
5) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.

**PHASE 6-7:**  
1) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
2) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
3) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
4) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.  
5) CRANE TOWER SECTIONS TO BE INSTALLED ON THE CLIMBING FRAME.



**CRANE USER:**  
RAISE HOOK TO TWO-BLOCK  
SHUT OFF AND LOWER BLOCK  
2FT TO REDUCE HOOK BLOCK  
SWAY DURING WEATHERVANE.  
ENSURE HOOK IS AT 55'  
WEATHERVANE RADIUS.

**MAP AREA**

**JOB ADDRESS:**  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BIN: 103035 LOT: 133  
BLOCK: 1158

**NORTH**

**VALJATO ENGINEERING, P.C.**  
249 Hensdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 361-2707  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjatoe@gmail.com

**PLAN USE NOTE:**  
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**CLIENT:** US CRANE & RIGGING

NO.	DATE	REVISIONS DESCRIPTION
1	06/20/2017	FOR COMMENTS SUBMISSION
2	08/03/2017	FOR COMMENTS SUBMISSION
3	10/03/2017	CRANE LOCATION REVISION TO EOR
4	11/15/2017	FOR REVISION & COMMENTS TO EOR
5	12/28/2017	REVISION TO EOR

**DRAWING TITLE:**  
JUMP SCHEDULE  
PHASES 5-7

**NYC DOB #:**  
CN#0913/17

**SIGNATURE:** [Signature]

**PROJECT FILE #:** 16-428

**DRAWN BY:** AMF

**CHECKER:** BV

**DATE:** 02/16/18

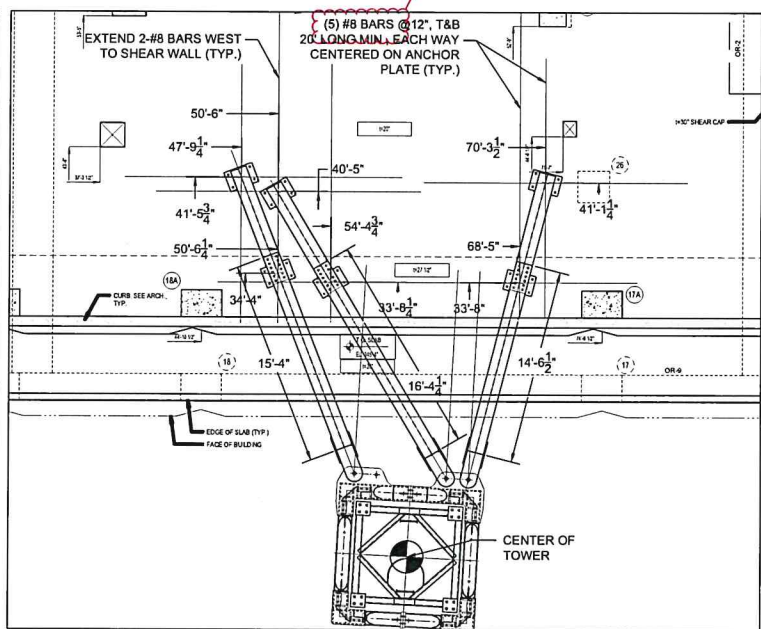
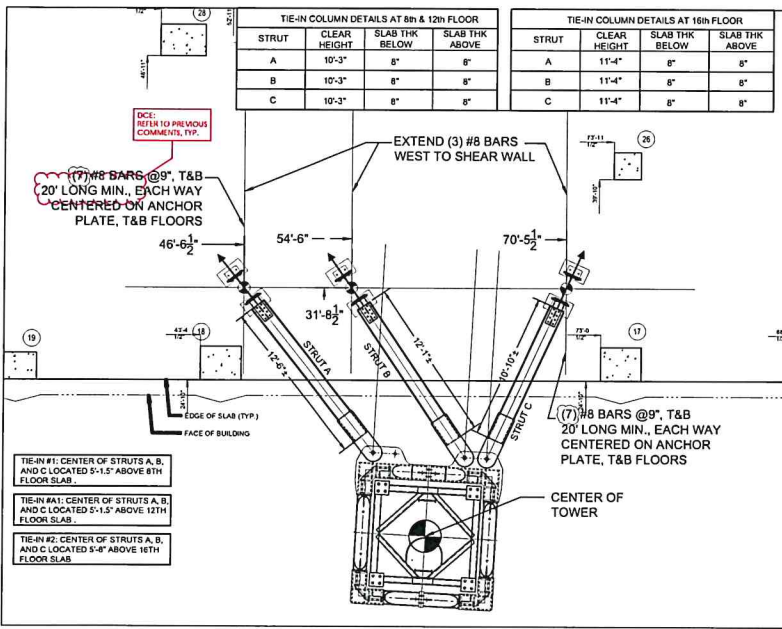
**SCALE:** TC-005.00

**AS NOTED**

**PHASE 7** 1"=10'-0"

**PHASE 6** 1"=30'-0"

**PHASE 5** 1"=30'-0"



**TIE-IN #1, #A1 & #2 AT 8TH, 12TH, & 16TH FLOORS PLAN VIEW**  
1/4"=1'-0"

**STRUCTURE NOTES:**

- TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP
- LATERAL FORCE RESISTANCE SYSTEM OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS SHOWN

ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

ENGINEER OF RECORD TO REINFORCE STRUCTURE AS REQUIRED TO ENSURE THAT THE STRUCTURE CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

ENGINEER OF RECORD MUST APPROVE LOADS ON STRUCTURE SHOWN

LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
IN SERVICE 1	133.0	116.9	-56.8	-43.0	-12.4	4.9
IN SERVICE 2	69.3	60.9	-77.3	-58.4	102.0	-40.4
IN SERVICE 3	29.1	25.6	-74.3	-56.2	113.0	-44.8
OUT OF SERVICE 1	110.9	97.4	-10.7	-8.1	-21.1	8.3
OUT OF SERVICE 2	-31.9	-28.0	36.1	27.3	-120.7	47.8
OUT OF SERVICE 3	-17.9	-15.7	-32.4	-24.5	134.3	-53.2

	Ra	Rb	Rc
IN SERVICE	177.1	96.9	121.6
OUT OF SERVICE (NO SLEWING MOMENT)	147.6	45.2	144.5

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.

**TIE-IN #3 AT 24TH FLOOR PLAN VIEW**  
1/4"=1'-0"

**STRUCTURE NOTES:**

- TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP
- LATERAL FORCE RESISTANCE SYSTEM OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS SHOWN

ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

ENGINEER OF RECORD TO REINFORCE STRUCTURE AS REQUIRED TO ENSURE THAT THE STRUCTURE CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

ENGINEER OF RECORD MUST APPROVE LOADS ON STRUCTURE SHOWN

LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
IN SERVICE 1	88.0	39.2	-3.7	-2.5	-42.2	8.4
IN SERVICE 2	13.3	5.9	-76.3	-50.7	76.9	-15.4
IN SERVICE 3	50.3	25.4	15.4	10.2	-99.5	19.9
OUT OF SERVICE 1	99.4	44.3	54.2	36.0	-66.4	13.3
OUT OF SERVICE 2	55.3	24.6	96.2	63.9	-180.3	36.0
OUT OF SERVICE 3	-35.3	-15.7	-93.7	-62.2	185.0	-37.0

	Ra	Rb	Rc
IN SERVICE	96.3	91.6	101.4
OUT OF SERVICE (NO SLEWING MOMENT)	108.6	115.5	188.7

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.

MAP AREA

JOB ADDRESS:  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BIN: 1030358 LOT: 133  
BLOCK: 1158

**NORTH**

**VALJATO ENGINEERING, P.C.**  
249 Hurdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
FOR EACH PLAN AND SECTION, THE ENGINEER HAS REVIEWED THE DESIGN OF ALL STRUCTURAL MEMBERS AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND CODES REFERENCED IN THE CONTRACT DOCUMENTS. THE ENGINEER HAS REVIEWED THE DESIGN OF ALL STRUCTURAL MEMBERS AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND CODES REFERENCED IN THE CONTRACT DOCUMENTS. THE ENGINEER HAS REVIEWED THE DESIGN OF ALL STRUCTURAL MEMBERS AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND CODES REFERENCED IN THE CONTRACT DOCUMENTS.

**CLIENT** US CRANE & RIGGING

NO.	DATE	DESCRIPTION
1	06/20/2017	FOR COMMENTS SUBMISSION
2	08/03/2017	FOR COMMENTS SUBMISSION
3	10/03/2017	CRANE LOCATION REVISION TO COR
4	11/15/2017	ELEV. REVISION & COMMENTS TO COR
5	12/29/2017	REVISION TO COR

**DRAWING TITLE**

TIE-IN #1-3 PLAN VIEWS

NYC DOB #

CN#0913/17

PROJECT / FILE # 16-428

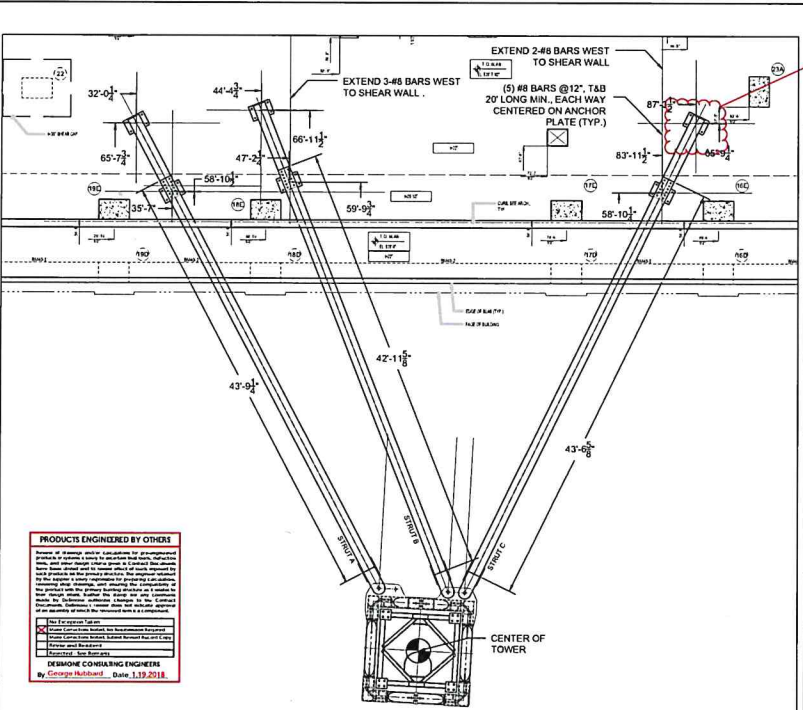
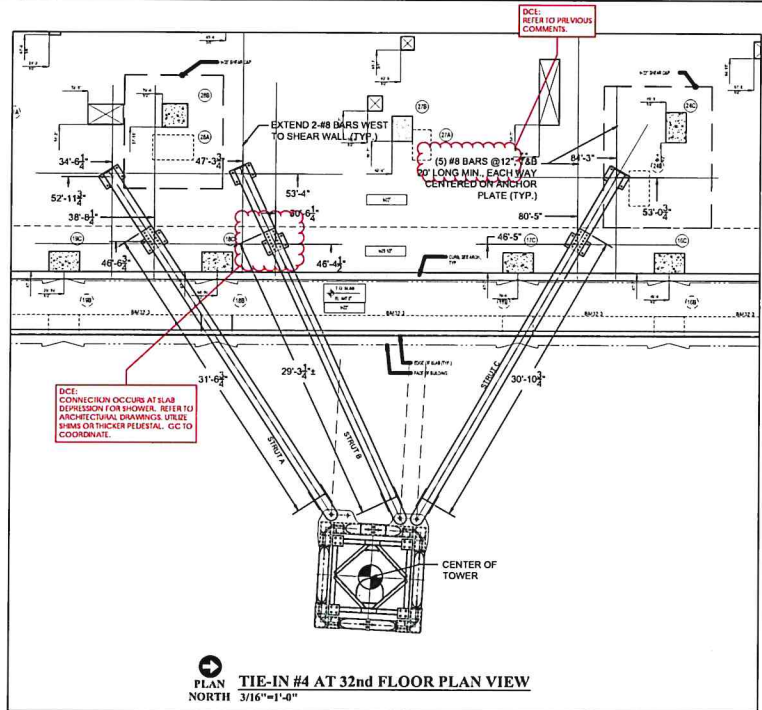
DRAWN BY: AAF

CHECKED BY: SV

DATE: 12/29/2017

SCALE: AS NOTED

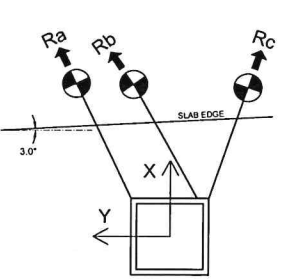
**TC-006.00**



**PRODUCTS ENGINEERED BY OTHER**

Structural steel connections for architectural purposes shall be designed and fabricated in accordance with the provisions of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2010. The design shall be in accordance with the provisions of the AISC Specification for Structural Steel Buildings, 13th Edition, 2010. The design shall be in accordance with the provisions of the AISC Specification for Structural Steel Buildings, 13th Edition, 2010.

**DESIGNED CONSULTING ENGINEER**  
By George Hubbard, Date: 1.19.2018



**STRUCTURE NOTES:**

- TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP
- LATERAL FORCE RESISTANCE SYSTEM OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS SHOWN

ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

ENGINEER OF RECORD TO REINFORCE STRUCTURE AS REQUIRED TO ENSURE THAT THE STRUCTURE CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

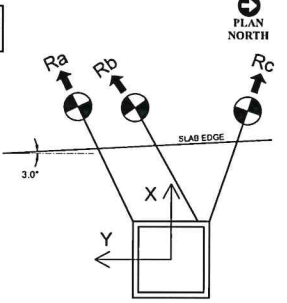
ENGINEER OF RECORD MUST APPROVE LOADS ON STRUCTURE SHOWN

STRUCTURE LOAD COMBINATIONS AT 32nd FLOOR						
LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
IN SERVICE 1	95.7	69.5	-50.9	-26.7	-8.1	4.1
IN SERVICE 2	34.6	25.1	-65.5	-34.4	70.0	-35.7
IN SERVICE 3	30.2	22.0	-65.5	-34.4	70.2	-35.8
OUT OF SERVICE 1	111.6	81.2	5.0	2.6	-36.7	18.7
OUT OF SERVICE 2	21.7	15.8	26.9	14.1	-134.0	68.3
OUT OF SERVICE 3	-31.2	-22.7	-26.8	-14.1	134.4	-68.5

TIE REACTION (MAXIMUM STRUT LOADS) 32nd FL.			
	Ra	Rb	Rc
IN SERVICE	118.2	74.0	78.8
OUT OF SERVICE (NO SLEWING MOMENT)	138.1	30.4	150.9

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.



**STRUCTURE NOTES:**

- TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP
- LATERAL FORCE RESISTANCE SYSTEM OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS SHOWN

ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

ENGINEER OF RECORD TO REINFORCE STRUCTURE AS REQUIRED TO ENSURE THAT THE STRUCTURE CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

ENGINEER OF RECORD MUST APPROVE LOADS ON STRUCTURE SHOWN

TIE REACTION (MAXIMUM STRUT LOADS) 40th FL.			
	Ra	Rb	Rc
IN SERVICE	108.1	84.6	85.6
OUT OF SERVICE (NO SLEWING MOMENT)	123.9	61.6	169.9

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.

STRUCTURE LOAD COMBINATIONS AT 40th FLOOR						
LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
IN SERVICE 1	92.9	55.2	-37.4	-16.9	-17.3	7.3
IN SERVICE 2	17.5	10.4	-77.1	-34.8	77.0	-32.5
IN SERVICE 3	27.4	16.2	-76.4	-34.5	78.6	-33.3
OUT OF SERVICE 1	106.5	63.3	30.6	13.8	-53.5	22.6
OUT OF SERVICE 2	56.3	34.6	56.2	25.4	-152.5	64.4
OUT OF SERVICE 3	-36.7	-21.8	-54.7	-24.7	156.5	-66.1

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.

**MAP AREA:**

**JOB ADDRESS:**  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BIN: 1030358 LOT: 133  
BLOCK: 1158

**VALJATO ENGINEERING, P.C.**  
249 Hinesdale Street, 2nd Floor,  
Brooklyn, NY 11217  
Phone: (718) 701-2707  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**

PROVISIONS ARE MADE IN SECTION 1.1.1 THAT FOR ALL PLANS, SPECIFIC LOADS SHALL BE REPORTED TO INDICATE THE SIZE OF A MEMBER OR CONNECTION OR LONGITUDINAL MEMBER OR CONNECTION. THE SIZE OF A MEMBER OR CONNECTION SHALL BE REPORTED TO INDICATE THE SIZE OF A MEMBER OR CONNECTION. THE SIZE OF A MEMBER OR CONNECTION SHALL BE REPORTED TO INDICATE THE SIZE OF A MEMBER OR CONNECTION.

**CLIENT** US CRANE & RIGGING

REVISIONS	
NO.	DESCRIPTION
1	05/20/2017 EOR COMMENTS SUBMISSION
2	08/03/2017 EOR COMMENTS SUBMISSION
3	10/03/2017 CRANE LOCATION REVISION TO EOR
4	11/15/2017 CLCV REVISION & COMMENTS TO EOR
5	12/29/2017 REVISION TO EOR

**DRAWING TITLE**  
TIE-INS #4 & #5 PLAN VIEWS

**NYC DOB #:** CN#0913/17

**SIGNATURE:** [Signature]

**PROJECT FILE #** 16-428

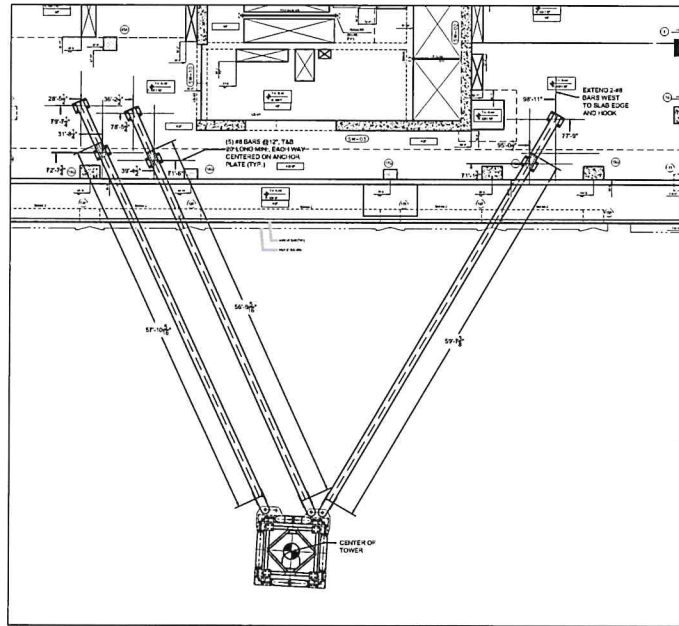
**DRAFTER:** AAF

**CHECKER:** SV

**DWG #** TC-007.00

**SCALE:** AS NOTED

12/29/2017



NOTE:  
TIE-BELTS TO MEET MINIMUM  
REQUIREMENTS OR CAN BE LONGER  
AS LONG AS CONNECTION POINTS  
ARE AS SHOWN.



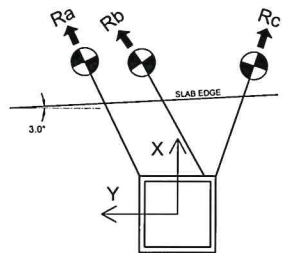
**TIE-IN #6 AT 48TH FLOOR PLAN VIEW**

1/8"=1'-0"

STRUCTURE NOTES:  
1) TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP  
2) LATERAL FORCE RESISTANCE SYSTEM OF BUILDING  
THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE  
TO SUPPORT CRANE LOADS SHOWN  
  
ENGINEER OF RECORD TO VERIFY AND APPROVE  
THIS PRIOR TO JUMP

ENGINEER OF RECORD TO REINFORCE STRUCTURE  
AS REQUIRED TO ENSURE THAT THE STRUCTURE  
CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

ENGINEER OF RECORD MUST APPROVE  
LOADS ON STRUCTURE SHOWN



**PRODUCTS ENGINEERED BY OTHERS**  
Reference to a manufacturer's name, trade name, or product name in this drawing does not constitute an endorsement, approval, or recommendation of that product by the engineer. The engineer is not responsible for the selection, use, or performance of any product or material specified in this drawing. The engineer is not responsible for the selection, use, or performance of any product or material specified in this drawing. The engineer is not responsible for the selection, use, or performance of any product or material specified in this drawing.

TIE REACTION (MAXIMUM STRUT LOADS) 48TH FL.			
	Ra	Rb	Rc
IN SERVICE	103.2	69.3	73.1
OUT OF SERVICE (NO SLEWING MOMENT)	120.5	45.8	158.9

STRUCTURE LOAD COMBINATIONS AT 48TH FLOOR						
LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
IN SERVICE 1	91.3	48.1	-28.5	-14.8	-26.2	13.5
IN SERVICE 2	4.5	2.3	-61.5	-31.9	58.1	-30.0
IN SERVICE 3	22.5	11.8	-59.5	-30.8	65.0	-33.5
OUT OF SERVICE 1	106.6	56.2	31.5	16.3	-58.0	30.0
OUT OF SERVICE 2	83.2	43.9	40.7	21.1	-126.1	65.1
OUT OF SERVICE 3	-43.9	-23.1	-36.3	-18.8	141.2	-72.9

LOADS SHOWN IN KIPS.  
VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE.  
LOADS SHOWN ARE SERVICE LOADS.

MAP AREA:

JOB ADDRESS:  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BLK: 1033358 LOT: 133  
BLOCK: 1158

**VALJATO ENGINEERING, P.C.**  
249 Hinesdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 351-0412  
Contact: Sieve Valjato  
Email: valjato@gmail.com

PLAN USE NOTE:  
REGULATORY ARTICLE 148 SECTION 700.3 STATES THAT TO ALL  
FLAME SPECIFICATION PLANS AND REPORTS TO BE THE SEAL OF A  
PROFESSIONAL ENGINEER OR LAND SURVEYOR HAS BEEN APPLIED. IT IS A  
VIOLATION OF THIS LAW FOR ANY OTHER SEAL TO BE APPLIED.  
IF THE SEAL OF A LICENSED PROFESSIONAL ENGINEER OR LAND  
SURVEYOR IS APPLIED TO THIS PLAN, IT IS NOT VALID. THIS PLAN IS FOR  
USE BY THE CLIENT ONLY. THE ENGINEER'S RESPONSIBILITY IS TO  
SERVE OF VALJATO ENGINEERING, P.C. AND NOT TO BE USED FOR  
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ANY OTHER SERVICE IS STRICTLY PROHIBITED WITHOUT THE WRITTEN  
CONSENT OF VALJATO ENGINEERING, P.C.

CLIENT: **US CRANE & RIGGING**

NO.	DATE	DESCRIPTION
1	06/20/2017	EOR COMMENTS SUBMISSION
2	08/03/2017	EOR COMMENTS SUBMISSION
3	10/03/2017	CRANE LOCATION REVISION TO EOR
4	11/15/2017	CELEV. REVISION & COMMENTS TO EOR
5	12/29/2017	REVISION TO EOR

DRAWING TITLE:  
**TIE-IN #6 PLAN VIEW**

NYC DOR #:  
**CN#0913/17**

SIGNATURE: [Signature]  
PROJECT / FILE #  
**16-429**  
DRAFTER: AAF  
CHECKER: EV  
DWG.#  
**TC-008.00**  
Scale:  
AS NOTED









**PLAN COMPONENTS WITH DESCRIPTION OF ACTIONS AND REQUIREMENT IN ACCORDANCE WITH NYC BC 2014 SECT 1618**

**1. THRESHOLD OF PREDICTED ENVIRONMENTAL LOADS**  
IF GROUND LEVEL WIND GUST ARE EXPECTED TO EXCEED 80 MPH THE FOLLOWING ACTION PLAN SHALL BE IMPLEMENTED (BASED ON NATIONAL WEATHER FORECAST SERVICE).

**2. METHOD OF MONITORING ENVIRONMENTAL LOADS**  
EQUIP WITH ANEMOMETER/WIND SPEED METER THAT ALLOWS OPERATOR TO CONSTANTLY MONITOR THE WIND SPEED WHILE CRANE IS IN-SERVICE. CRANE SAFETY COORDINATOR IS TO CONSTANTLY MONITOR THE WEATHER FORECAST AND WIND SPEEDS WHILE CRANE IS INSTALLED.

**3. PARTY RESPONSIBLE FOR MONITORING LOADS AND DETERMINING IMPLEMENTATION OF ACTION PLAN**  
CRANE USER & CRANE SAFETY COORDINATOR ARE RESPONSIBLE PARTIES FOR MONITORING LOADS AND DETERMINING IMPLEMENTATION OF ACTION PLAN.

**4. PARTY RESPONSIBLE FOR EFFECTUATING THE ACTION PLAN**  
CRANE USER & CRANE SAFETY COORDINATOR ARE RESPONSIBLE FOR EFFECTUATING THE ACTION PLAN.

**5. EVACUATION PROCEDURES**  
EVACUATION IS NOT APPLICABLE. NO EVACUATION REQUIRED.

**6. SAFETY ZONE, STANDOFF DISTANCE OR STANDOFF PERIMETER**  
NOT APPLICABLE. NO SAFETY ZONE REQUIRED

**7. PREPARATION & REQUIREMENTS SO THAT TOWER CRANE MAY RESIST UNREDED WIND FORCES**  
FOR WINDS PREDICTED ABOVE 80MPH, THE ACTION PLAN MUST BE IMPLEMENTED AS LISTED BELOW AND ALL ACTION MUST BE COMPLETED PRIOR TO THE HIGH WIND EVENT:

- A. FOLLOW ACTION PLAN PROCEDURE LISTED FOR EACH PHASE.
- B. CHECK ALL TOWER BOLTS, TIGHTEN AS REQUIRED, CHECK COLLAR, AND TIES.

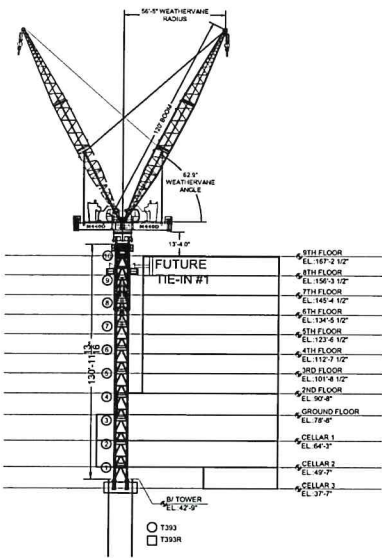
**8. PLAN TO PREVENT WIND-BORN DEBRIS**  
CRANE USER & CRANE SAFETY COORDINATOR TO ENSURE THAT CRANE HAS BEEN INSPECTED FOR LOOSE ITEMS AND MATERIAL STORAGE AND ANY ITEMS NOT DIRECTLY FASTENED TO TOWER CRANE.

**9. VERIFICATION THAT THE DESIGN AND PROCEDURES SHALL NOT ADVERSELY IMPACT OTHER STRUCTURES**  
CRANE USER & CRANE SAFETY COORDINATOR ARE RESPONSIBLE THAT THERE ARE NO OBSTRUCTION TO MOVING PARTS. IMPLEMENTATION OF ITEM 7 SHALL ENSURE THAT OTHER STRUCTURES ARE NOT ADVERSELY IMPACTED.

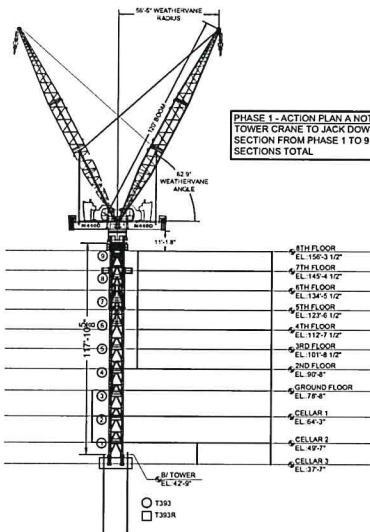
DATE: 11/15/2017  
REFER TO PREVIOUS COMMENTS.

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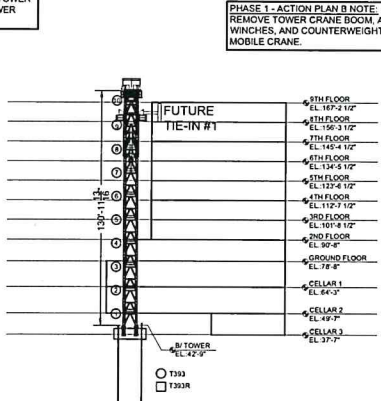
**DERMONE CONSULTING ENGINEERS**  
By: George N. Dermalone, Date: 1.19.2018



PHASE 1 1"=30'-0"



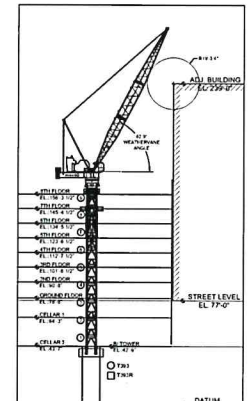
PHASE 1 ACTION PLAN A 1"=30'-0" FOR BUILDING 8TH FL. AND BELOW



PHASE 2 ACTION PLAN B 1"=30'-0" FOR BUILDING ON 9TH FL.

PHASE 1 - ACTION PLAN A NOTE:  
TOWER CRANE TO JACK DOWN 1 TOWER SECTION FROM PHASE 1 TO 9 TOWER SECTIONS TOTAL.

PHASE 1 - ACTION PLAN B NOTE:  
REMOVE TOWER CRANE BOOM, A-FRAME, WINCHES, AND COUNTERWEIGHT USING MOBILE CRANE.



SECTION A-A WHEN CRANE IS IN PHASE 1 ACTION PLAN A 1"=40'-0"

MAP AREA:

JOB ADDRESS:  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BIN: 1030358 LOT: 133  
BLOCK: 1158

NORTH

**VALJATO ENGINEERING, P.C.**  
249 Hunsdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 781-2707  
Fax: (646) 551-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

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**CLIENT: US CRANE & RIGGING**

NO.	DATE	DESCRIPTION
1	10/03/2017	CRANE LOCATION REVISION TO EOR
2	11/15/2017	ELEV. REVISION & COMMENTS TO EOR
3	12/29/2017	REVISION TO EOR

**DRAWING TITLE:**  
JUMP SCHEDULE - PHASE 2 ACTION PLANS

NYC DOB #:  
CN#0913/17

PROJECT FILE #:  
16-428

DRAWN BY:  
AMF

CHECKED BY:  
SV

DWG #:  
TC-012.00

DATE:  
12/29/2017

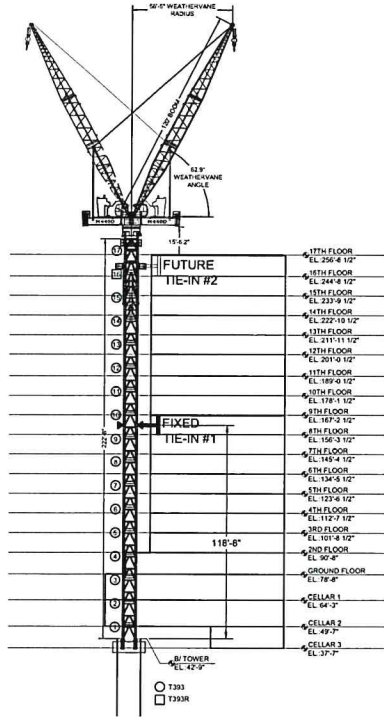
SCALE:  
AS NOTED

SEE  
REFER TO PREVIOUS  
COMMENTS

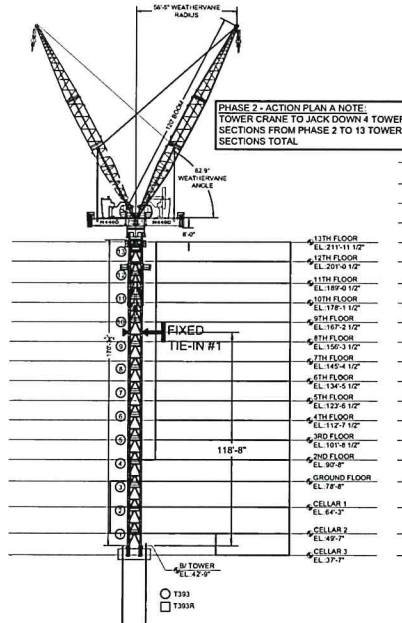
PRODUCTS ENGINEERED BY OTHERS

Review of drawings and/or construction documents prepared by others shall not constitute an acknowledgment of their accuracy, or a warranty of their accuracy. The Engineer shall not be responsible for the accuracy of the information provided by others. The Engineer shall not be responsible for the accuracy of the information provided by others. The Engineer shall not be responsible for the accuracy of the information provided by others. The Engineer shall not be responsible for the accuracy of the information provided by others.

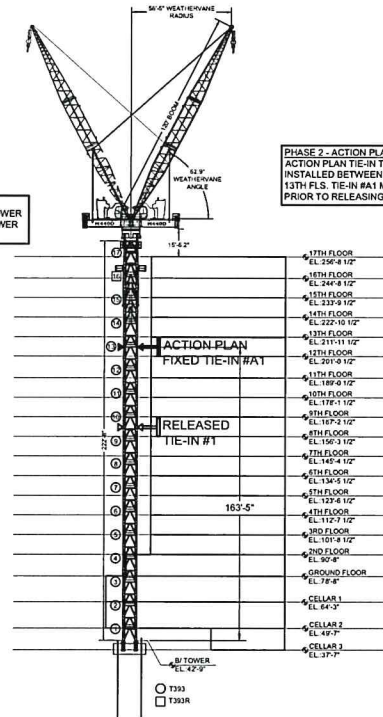
SEISMOIC CONSULTING ENGINEERS  
By: George Hubbard, Date: 1.18.2018



PHASE 2 1"=30'-0"



PHASE 2 ACTION PLAN A 1"=30'-0"  
FOR BUILDING BETWEEN 10TH-13TH FL.



PHASE 2 ACTION PLAN B 1"=30'-0"  
FOR BUILDING BETWEEN 14TH-17TH FL.

PHASE 2 - ACTION PLAN B NOTE:  
ACTION PLAN TIE-IN TO BE  
INSTALLED BETWEEN 12TH AND  
13TH FL. TIE-IN MAY MUST BE FIXED  
PRIOR TO RELEASING TIE-IN #1

PHASE 2 - ACTION PLAN A NOTE:  
TOWER CRANE TO JACK DOWN 4 TOWER  
SECTIONS FROM PHASE 2 TO 13 TOWER  
SECTIONS TOTAL

MAP AREA

JOB ADDRESS:  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BIN: 1030308 LOT: 133  
BLOCK: 1158

VALJATO ENGINEERING, P.C.  
249 Hensdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 351-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

PLAN USE NOTE:  
PROVISION 1001 ARTICLE 105 SECTION 702.5 STATES THAT TO ALL  
PLANS SPECIFICALLY REVISIONS ARE REQUIRED TO BE MADE BY A  
PROFESSIONAL ENGINEER OR LICENSED ARCHITECT OR LAND SURVEYOR OR A  
REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT OR LAND SURVEYOR  
FOR THE DESIGN OF A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT  
OR LAND SURVEYOR TO BE MADE IN ANY MANNER. THIS REVISION MAY BE USED  
ONLY BY THE LICENSED PROFESSIONAL ENGINEER OR ARCHITECT OR LAND  
SURVEYOR OF VALJATO ENGINEERING, P.C. AND MAY ONLY BE USED FOR THE  
DESIGN OF THE PROJECT DESCRIBED HEREIN. THIS REVISION IS SUBJECT TO  
THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN THE CLIENT AND  
VALJATO ENGINEERING, P.C.

CLIENT: US CRANE & RIGGING

NO.	DATE	DESCRIPTION
1	10/03/2017	CRANE LOCATION REVISION TO EOR
2	11/15/2017	ELEV. REVISION & COMMENTS TO EOR
3	12/29/2017	REVISION TO EOR

DRAWING TITLE  
JUMP SCHEDULE - PHASE 2  
ACTION PLANS

NYC DOB #  
CN#0913/17

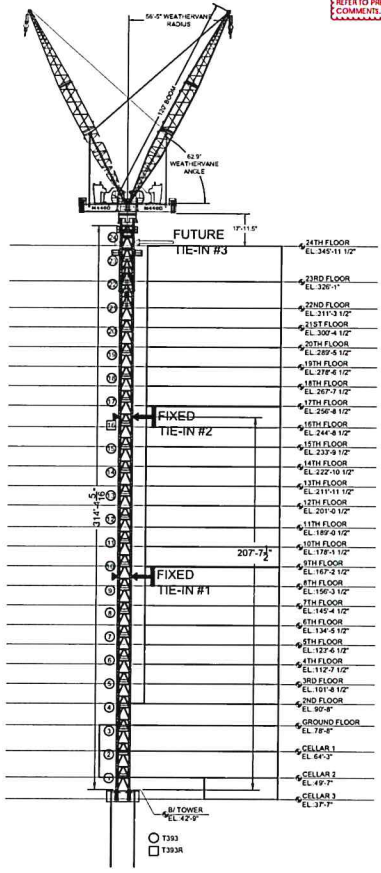
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PROJECT FILE #  
16-428  
DRAFTER: ANF  
CHECKER: SV  
DWG #  
TC-013.00  
Scale: AS NOTED  
1/22/2018

**PRODUCTS ENGINEERED BY OTHERS**

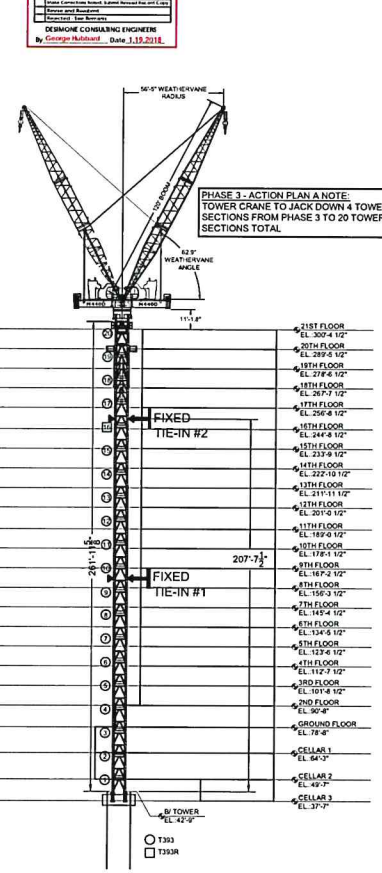
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**SEISMIC CONSULTING ENGINEER**  
By: George N. Haddad, Date: 3.19.2016

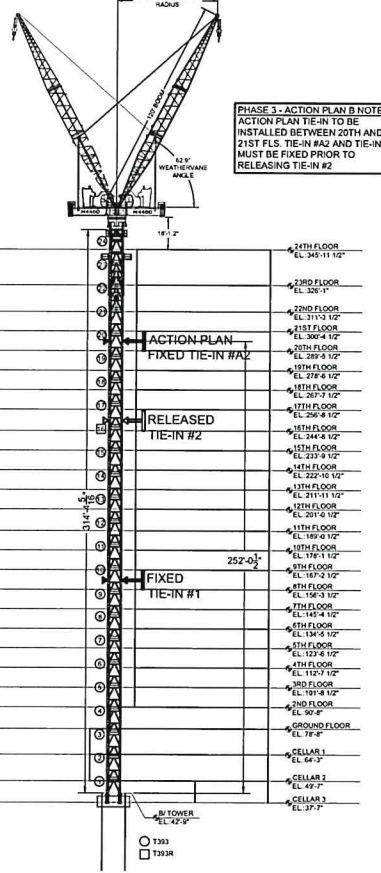
REFER TO PREVIOUS COMMENTS



PHASE 3 1"=30'-0"



PHASE 3 ACTION PLAN A 1"=30'-0"  
FOR BUILDING BETWEEN 17TH-21ST FL.



PHASE 3 ACTION PLAN B 1"=30'-0"  
FOR BUILDING BETWEEN 22ND-24TH FL.

PHASE 3 - ACTION PLAN B NOTE:  
ACTION PLAN TIE-IN TO BE INSTALLED BETWEEN 20TH AND 21ST FLS. TIE-IN #2 AND TIE-IN #1 MUST BE FIXED PRIOR TO RELEASING TIE-IN #2

PHASE 3 - ACTION PLAN A NOTE:  
TOWER CRANE TO JACK DOWN 4 TOWER SECTIONS FROM PHASE 3 TO 20 TOWER SECTIONS TOTAL

**MAP AREA**

**JOB ADDRESS:**  
200 AMSTERDAM AVE.  
MANHATTAN, N.Y. 10023  
BLK: 1030358 LOT: 133  
BLOCK: 1158

**NORTH**

**VALJATO ENGINEERING, P.C.**  
249 Hinesdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 331-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
EXPLANATION AND ARTICLE HAS SECTIONS 703.1, STATES THAT TO ALL PLANS, SPECIFIC NOTES, PLATS AND REVISIONS TO BE THE ONLY OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR CAN BE APPLIED TO A PLAN OR SPECIFICATION FOR ANY PROJECT. THE ENGINEER OR LAND SURVEYOR IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS. THE USER OF THESE DRAWINGS OR SPECIFICATIONS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**CLIENT** US CRANE & RIGGING

NO.	DATE	REVISIONS DESCRIPTION
1	10/03/2017	CRANE LOCATION REVISION TO COH
2	11/15/2017	ELEV. REVISION & COMMENTS TO COH
3	12/29/2017	REVISION TO COH

**DRAWING TITLE**

JUMP SCHEDULE - PHASE 3 ACTION PLANS

**NYC DOB #**

CN#0913/17

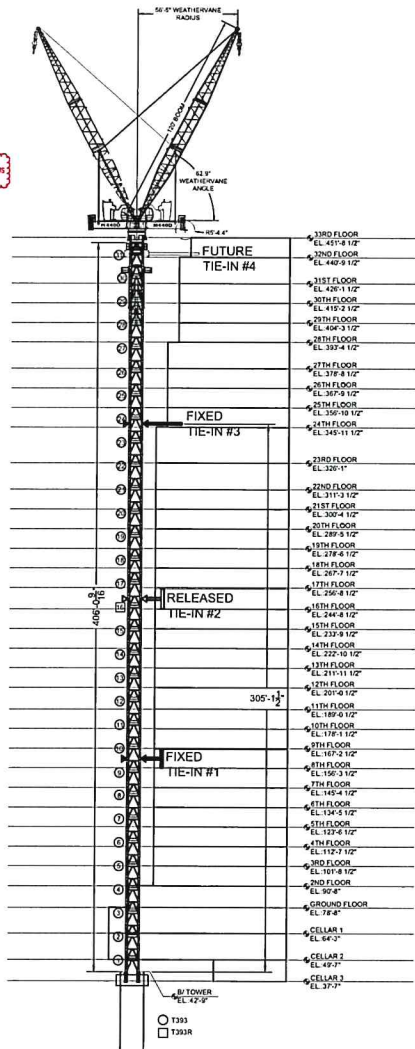
**SIGNATURE** PROJECT / FILE #  
16-428  
DRAWN BY: AMF  
CHECKED BY: SV  
DWG. # TC-014.00  
Scale: AS NOTED

**PRODUCTS ENGINEERED BY OTHERS**

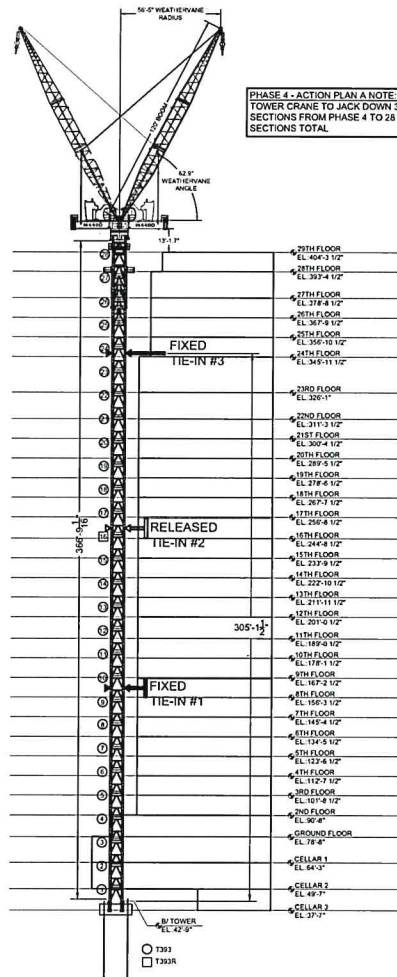
Number of drawings used in calculation for design/analysis/verification of products engineered by others shall be indicated on drawings. Products engineered by others shall be indicated on drawings by the name of the manufacturer and the product name. The engineer shall verify that the products are suitable for the intended use and that they meet the requirements of the applicable codes and standards. The engineer shall also verify that the products are supported by a suitable foundation and that they are properly installed and maintained. The engineer shall also verify that the products are supported by a suitable foundation and that they are properly installed and maintained.

**DEMONE CONSULTING ENGINEERS**  
By: George Mulwood, Date: 1.19.2018

**NOTE:**  
REFER TO PREVIOUS COMMENTS

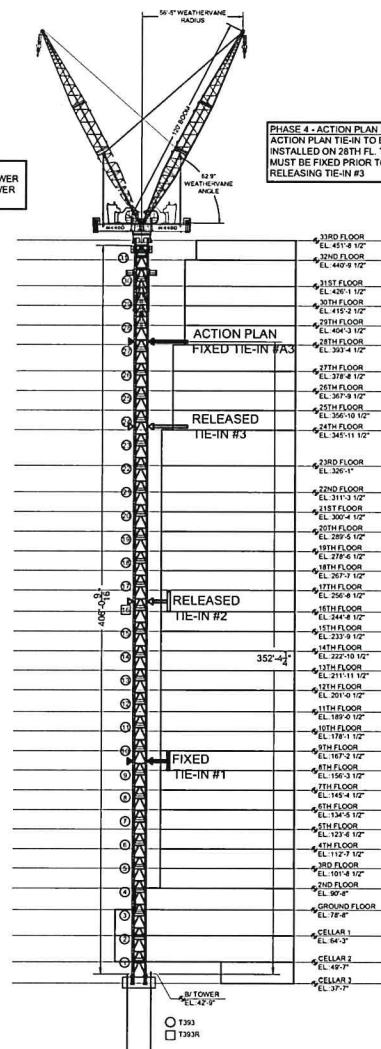


PHASE 4 1"=30'-0"



PHASE 4 ACTION PLAN A 1"=30'-0"  
FOR BUILDING BETWEEN 24TH-29TH FL.

PHASE 4 - ACTION PLAN A NOTE:  
TOWER CRANE TO JACK DOWN 3 TOWER SECTIONS FROM PHASE 4 TO 28 TOWER SECTIONS TOTAL



PHASE 4 ACTION PLAN B 1"=30'-0"  
FOR BUILDING BETWEEN 30TH-33RD FL.

PHASE 4 - ACTION PLAN B NOTE:  
ACTION PLAN TIE-IN TO BE INSTALLED ON 28TH FL. TIE-IN #3 MUST BE FIXED PRIOR TO RELEASING TIE-IN #3

**MAP AREA**

**JOB ADDRESS:**  
200 AMSTERDAM AVE  
MANHATTAN, N.Y. 10023  
BIN: 1030358 LOT: 133  
BLOCK: 1158

**NORTH**

**VALJATO ENGINEERING, P.C.**  
249 Hensdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 353-0412  
Contact: Sieve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
FOR EACH DRAWING, THE ENGINEER SHALL BE RESPONSIBLE TO VERIFY THAT ALL INFORMATION PROVIDED IS ACCURATE AND COMPLETE. THE ENGINEER SHALL BE RESPONSIBLE TO VERIFY THAT ALL INFORMATION PROVIDED IS ACCURATE AND COMPLETE. THE ENGINEER SHALL BE RESPONSIBLE TO VERIFY THAT ALL INFORMATION PROVIDED IS ACCURATE AND COMPLETE. THE ENGINEER SHALL BE RESPONSIBLE TO VERIFY THAT ALL INFORMATION PROVIDED IS ACCURATE AND COMPLETE.

**CLIENT** US CRANE & RIGGING

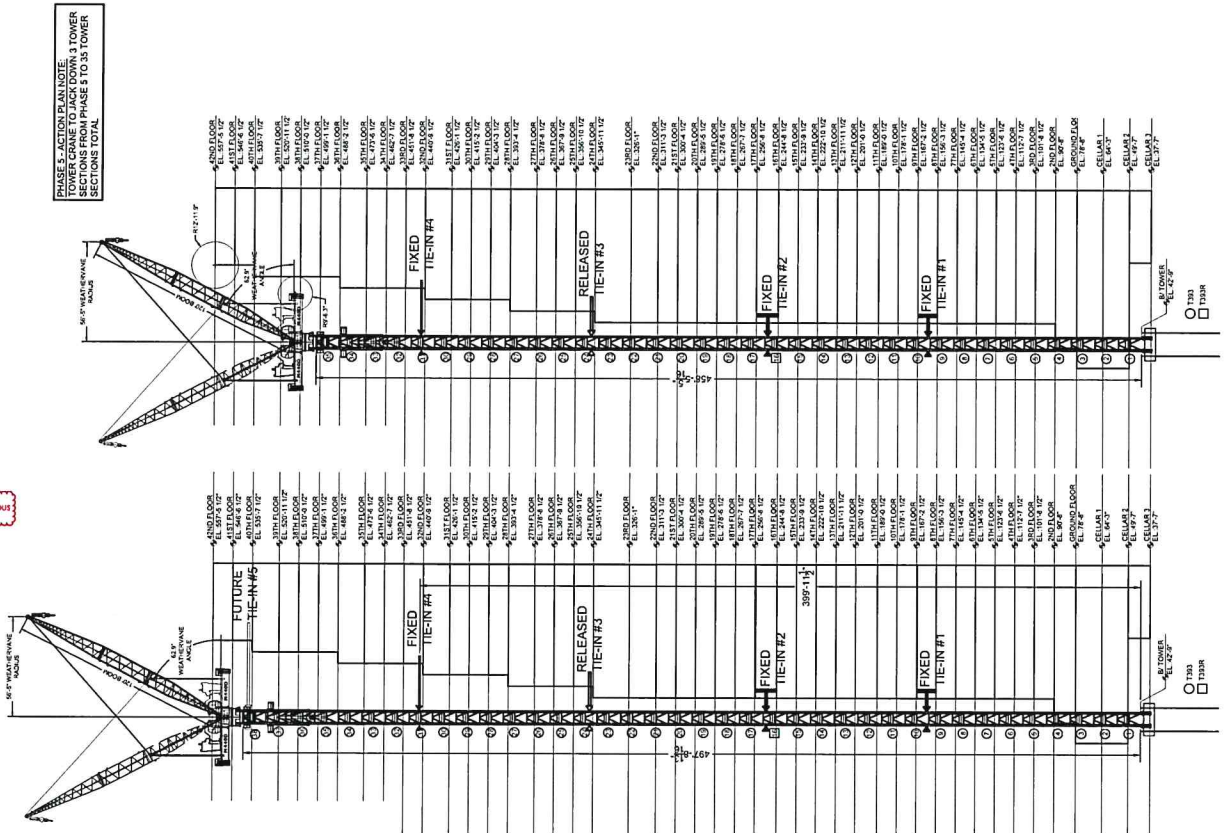
NO.	DATE	REVISIONS
1	10/03/2017	CHANG LOCATION REVISION TO EDR
2	11/15/2017	ELEV. REVISION & COMMENTS TO EDR
3	12/29/2017	REVISION TO EDR

**DRAWING TITLE**

JUMP SCHEDULE  
PHASE 4 ACTION PLAN

**NYC DOB #**  
CN#0913/17

**SIGNATURE**  
PROJECT / FILE #  
16-428  
DRAFTER: AAF  
CHECKER: SV  
TOWER #  
TC-015.00  
Scale: AS NOTED



PHASE 5 - ACTION PLAN NOTE  
TOWER CRANE TO JACK DOWN 3 TOWER  
SECTIONS FROM PHASE 5 TO 3S TOWER  
SECTIONS TOTAL

**PRODUCTS ENGINEERED BY OTHERS**

Approval of structural analysis, calculations for design, and drawings of other products is not a part of the structural engineering services provided by this firm. The engineer is not responsible for the design of other products. The engineer is responsible for the design of the structure and for the coordination of the design of other products with the design of the structure.

**DESIGN CONSULTING ENGINEERS**  
By: *George Hubbard*, Date: 3.19.2018

SEE: REFER TO PREVIOUS COMMENTS

PHASE 5 ACTION PLAN 1"=30'-0"

PHASE 5 1"=30'-0"

**MAP AREA:**

**JOB ADDRESS:**  
200 AMSTERDAM AVE  
MANHATTAN, N.Y. 10023  
BIN: 1003368 LOT: 133  
BLOCK: 1158

**VALJATO ENGINEERING, P.C.**  
249 Hunsdale Street, 2nd Floor,  
Brooklyn, NY 11207  
Phone: (718) 791-2707  
Fax: (646) 351-0412  
Contact: Sieve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
SECTION 106 ARTICLE 118 SECTION 702.5, STATES THAT TO ALL NEW STRUCTURES, THE ENGINEER SHALL PROVIDE A PROVISIONAL PLAN FOR THE LOCATION OF THE CRANE. THE CRANE SHALL BE LOCATED IN A LOCATION THAT DOES NOT OBSTRUCT THE CRANE'S OPERATION. THE CRANE SHALL BE LOCATED IN A LOCATION THAT DOES NOT OBSTRUCT THE CRANE'S OPERATION. THE CRANE SHALL BE LOCATED IN A LOCATION THAT DOES NOT OBSTRUCT THE CRANE'S OPERATION.

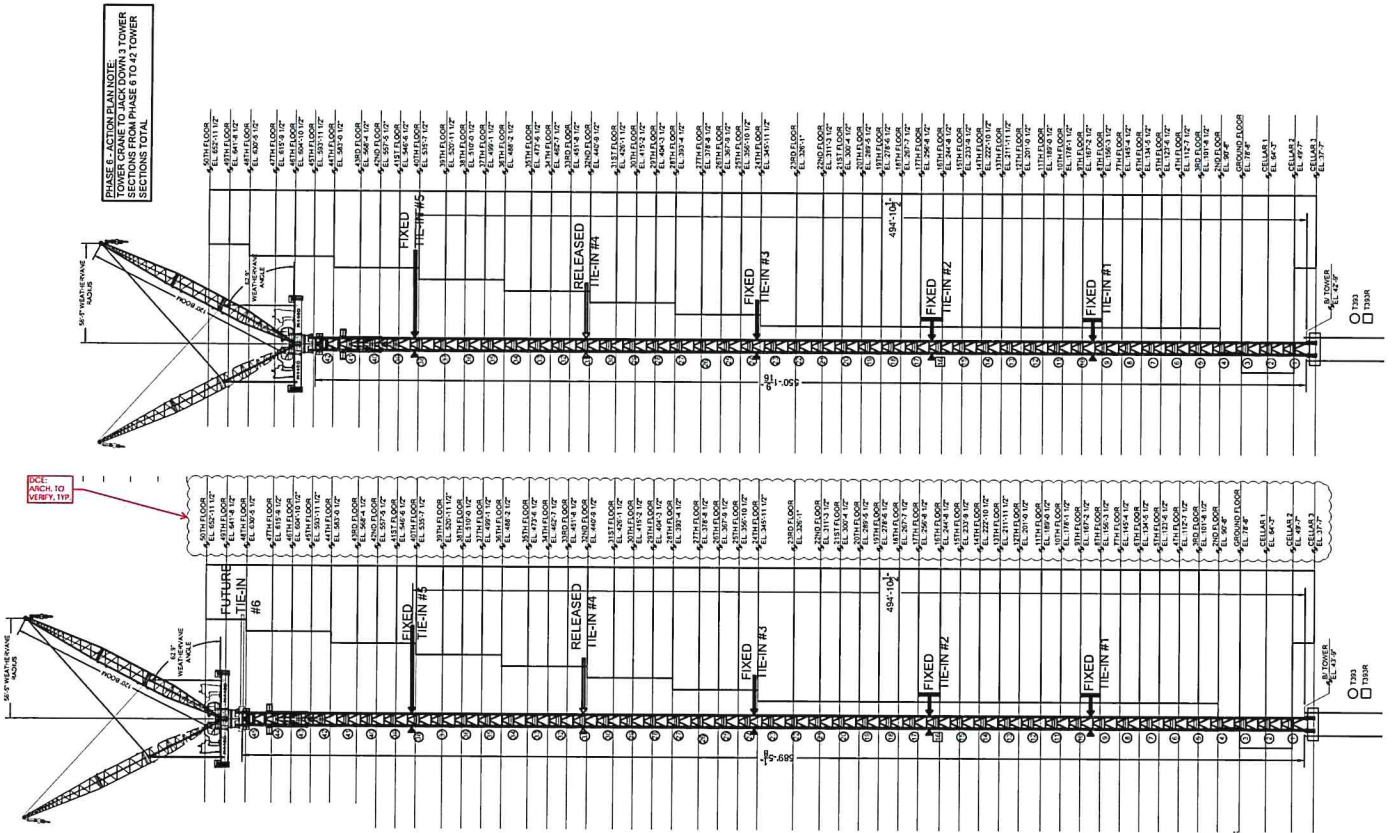
**CLIENT: US CRANE & RIGGING**

NO.	DATE	REVISIONS DESCRIPTION
1	10/03/2017	CRANE LOCATION REVISION TO EOR
2	11/15/2017	ELEV. REVISION & COMMENTS TO EOR
3	12/29/2017	REVISION TO EOR

**DRAWING TITLE**  
JUMP SCHEDULE  
PHASE 5 ACTION PLAN

**NYC DOB #**  
CN#0913/17

**SIGNATURE:** [Signature]  
**PROJECT FILE #** 16-428  
**DRAFTER:** AAF  
**CHECKER:** SV  
**SCALE:** TC-016.00  
12/29/2017 AS NOTED



PHASE 6 ACTION PLAN NOTE:  
TOWER CRANE TO JACK DOWN 3 TOWER SECTIONS FROM PHASE 6 TO 42 TOWER SECTIONS TOTAL

SCALE: 1/4\"/>

**PRODUCTS ENGINEERED BY OTHERS**  
 Review of drawings shall be conducted by the responsible engineer to verify that the drawings are in accordance with the specifications and standards of the applicable codes and standards. The engineer shall be responsible for the accuracy of the drawings and shall not be responsible for the accuracy of the information provided by other parties. The engineer shall not be responsible for the accuracy of the information provided by other parties.

DATE: 11/18/2016  
 PREVIOUS COMMENTS:

**DESIGNER CONSULTING ENGINEERS**  
 By: George Nishad, Date: 11/18/2016

PHASE 6 ACTION PLAN 1"=30'-0"

PHASE 6 ACTION PLAN 1"=30'-0"

**MAP AREA**

**JOB ADDRESS:**  
 200 AMSTERDAM AVE.  
 MANHATTAN, N.Y. 10023  
 BIN: 103058 LOT: 133  
 BLOCK: 1158

**NORTH**

**VALJATO ENGINEERING, P.C.**  
 249 Himsdale Street, 2nd Floor,  
 Brooklyn, NY 11207  
 Phone: (718) 761-2707  
 Fax: (646) 351-0412  
 Contact: Steve Valjato  
 Email: valjato@gmail.com

**PLAN USE NOTE:**  
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**CLIENT: US CRANE & RIGGING**

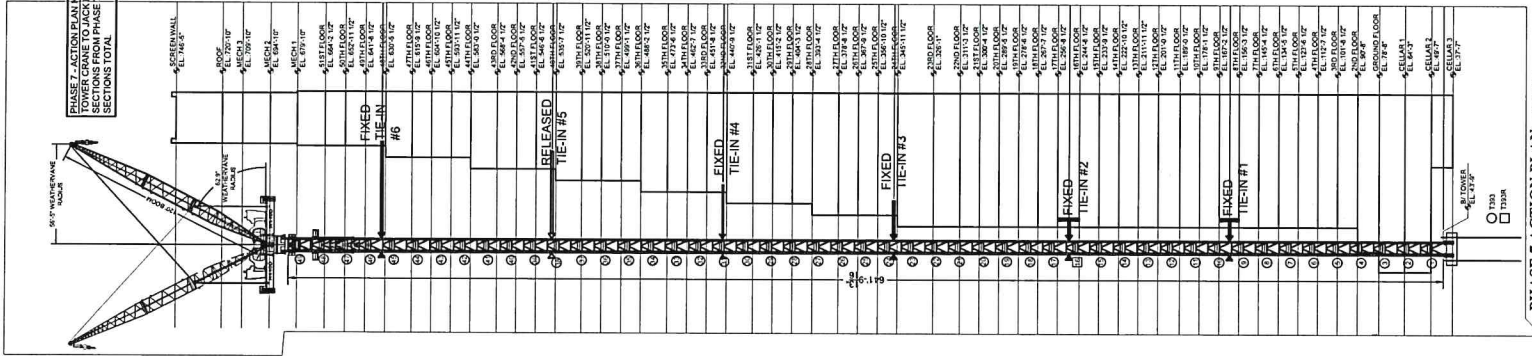
NO.	DATE	DESCRIPTION
1	10/03/2017	CRANE LOCATION REVISION TO COR
2	11/15/2017	ELEV. REVISION & COMMENTS TO COR
3	12/29/2017	REVISION TO COR

**DRAWING TITLE**  
 JUMP SCHEDULE  
 PHASE 6 ACTION PLAN

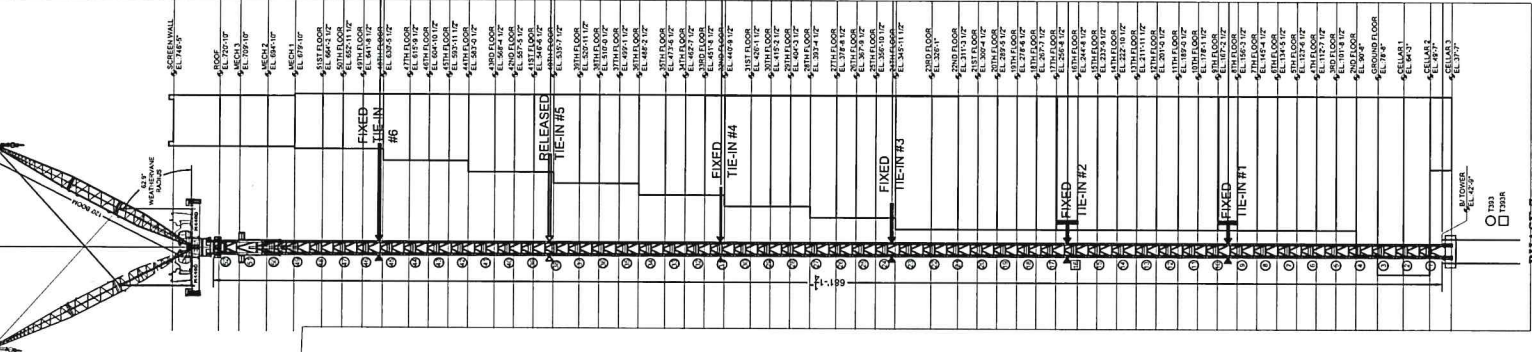
**NYC DOB #**  
 CN#0913/17

**SIGNATURE:**  
  
 PROJECT FILE # 16-426  
 DRAFTER: AAF  
 CHECKER: BV  
 DWG. # TC-017.00  
 DATE: 12/29/2017  
 SCALE: AS NOTED

PHASE 7 ACTION PLAN NOTE:  
TOWER CRANE TO JACK DOWN 3 TOWER  
SECTIONS FROM PHASE 7 TO 49 TOWER  
SECTIONS TOTAL



PHASE 7 ACTION PLAN 1"=30'-0"



PHASE 7 ACTION PLAN 1"=30'-0"

DO NOT REFER TO PREVIOUS COMMENTS

**PRODUCTS ENGINEERED BY OTHERS**

Number of drawings and/or calculations for design components which are designed by others. For drawings that are not designed by others, the number of drawings shall be zero (0). For drawings that are designed by others, the number of drawings shall be the number of drawings that are designed by others. The number of drawings shall be the number of drawings that are designed by others.

Design Engineer: \_\_\_\_\_  
 Date: 1.12.2018

**MAP AREA**

**JOB ADDRESS:**  
 200 AMSTERDAM AVE.  
 MANHATTAN, N.Y. 10023  
 BLOCK: 1158

LOT: 133

**NORTH**

**VALJATO ENGINEERING, P.C.**

249 Himsdale Street, 2nd Floor,  
 Brooklyn, NY 11207  
 Phone: (718) 781-2707  
 Fax: (646) 551-0412  
 Contact: Steve Valjato  
 Email: valjato@gmail.com

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**CLIENT US CRANE & RIGGING**

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/03/2017	CRANE LOCATION REVISION TO EOR
2	11/15/2017	ELEV. REVISION & COMMENTS TO EOR
3	12/29/2017	REVISION TO EOR

**DRAWING TITLE**

JUMP SCHEDULE  
 PHASE 7 ACTION PLAN

NYC DOB #

CN#0913/17

**SIGNATURE**

**PROJECT FILE #**  
 16-428

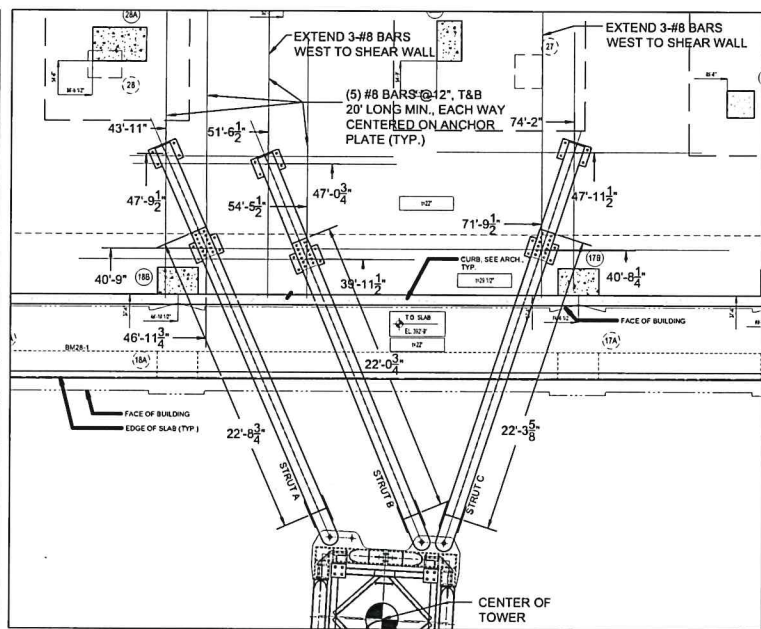
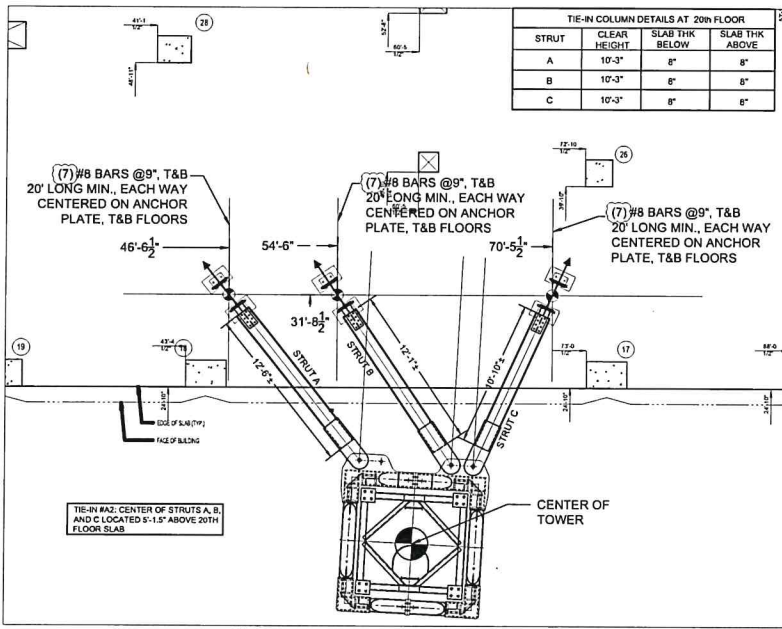
**DRAWN BY**  
 AMF

**CHECKED BY**  
 SV

**DWG. #**  
 TC-018.00

12/29/2017  
 AS NOTED





**TIE-IN #A2 AT 20TH FLOOR PLAN VIEW**  
1/4"=1'-0"  
PLAN NORTH

**TIE-IN #A3 AT 28TH FLOOR PLAN VIEW**  
1/4"=1'-0"  
PLAN NORTH

**STRUCTURE NOTES:**

- 1) TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP
- 2) LATERAL FORCE RESISTANCE SYSTEM OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS SHOWN

ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

**STRUCTURE NOTES:**

- 1) TIE-FLOORS TO OBTAIN 3500PSI (MIN.) PRIOR TO JUMP
- 2) LATERAL FORCE RESISTANCE SYSTEM OF BUILDING THRU TOPMOST TIE-IN TO BE FUNCTIONING AND ADEQUATE TO SUPPORT CRANE LOADS SHOWN

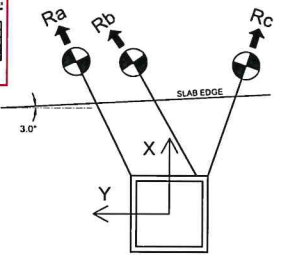
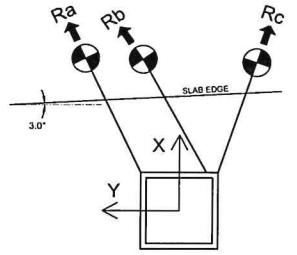
ENGINEER OF RECORD TO VERIFY AND APPROVE THIS PRIOR TO JUMP

**PRODUCTS ENGINEERED BY OTHERS**

Review of drawings, which is calculated for construction, does not constitute a calculation for construction. The Engineer is not responsible for the accuracy of the information provided by other parties. The Engineer is not responsible for the accuracy of the information provided by other parties. The Engineer is not responsible for the accuracy of the information provided by other parties.

**DESIGNER CONSULTING ENGINEERS**  
George Hubbard Date: 1.19.2018

**NOTE:**  
TIE-BEAMS TO MEET MINIMUM REQUIREMENTS OR CAN BE LONGER AS LONG AS CONNECTION POINTS ARE AS SHOWN



ENGINEER OF RECORD TO REINFORCE STRUCTURE AS REQUIRED TO ENSURE THAT THE STRUCTURE CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

ENGINEER OF RECORD TO REINFORCE STRUCTURE AS REQUIRED TO ENSURE THAT THE STRUCTURE CAN SAFELY SUPPORT THE IMPOSED CRANE LOADS.

ENGINEER OF RECORD MUST APPROVE LOADS ON STRUCTURE SHOWN

ENGINEER OF RECORD MUST APPROVE LOADS ON STRUCTURE SHOWN

CRANE ONLY TO BE IN OUT-OF-SERVICE CONDITIONS DURING ACTION PLAN

CRANE ONLY TO BE IN OUT-OF-SERVICE CONDITIONS DURING ACTION PLAN

	Ra	Rb	Rc
OUT OF SERVICE (NO SLEWING MOMENT)	147.6	45.2	144.5

LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
OUT OF SERVICE 1	110.9	97.4	-10.7	-8.1	-21.1	8.3
OUT OF SERVICE 2	-31.9	-28.0	36.1	27.3	-120.7	47.8
OUT OF SERVICE 3	-17.9	-15.7	-32.4	-24.5	134.3	-53.2

	Ra	Rb	Rc
OUT OF SERVICE (NO SLEWING MOMENT)	108.8	110.1	192.6

LOAD CASE	Ra_x	Ra_y	Rb_x	Rb_y	Rc_x	Rc_y
OUT OF SERVICE 1	97.5	48.4	52.9	25.0	-63.1	17.0
OUT OF SERVICE 2	51.9	25.8	99.6	47.1	-181.9	49.1
OUT OF SERVICE 3	-33.7	-16.7	-67.4	-46.0	186.1	-50.2

LOADS SHOWN IN KIPS. VALUE SHOWN MAY BE TENSILE OR COMPRESSIVE. LOADS SHOWN ARE SERVICE LOADS.

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BIN: 103055 LOT: 133  
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Brooklyn, NY 11207  
Phone: (718) 701-2707  
Fax: (646) 331-0412  
Contact: Steve Valjato  
Email: valjato@gmail.com

**PLAN USE NOTE:**  
REVISIONS

NO.	DATE	DESCRIPTION
1	08/03/2017	EOR COMMENTS SUBMISSION
2	10/03/2017	CRANE LOCATION SUBMISSION
3	11/15/2017	CLCV REVISION & COMMENTS TO EOR
4	12/29/2017	REVISION TO EOR

**CLIENT: US CRANE & RIGGING**

**REVISIONS**

NO.	DATE	DESCRIPTION
1	08/03/2017	EOR COMMENTS SUBMISSION
2	10/03/2017	CRANE LOCATION SUBMISSION
3	11/15/2017	CLCV REVISION & COMMENTS TO EOR
4	12/29/2017	REVISION TO EOR

**DRAWING TITLE:**  
TIE-IN #1-3 PLAN VIEWS

**NYC DOB #:**  
CN#0913/17

**SIGNATURE:** [Signature]

**PROJECT FILE #:** 16-428

**DRAWN BY:** AAF

**CHECKED BY:** SV

**DWG #:** TC-019.00

**DATE:** 12/29/2017

**SCALE:** AS NOTED