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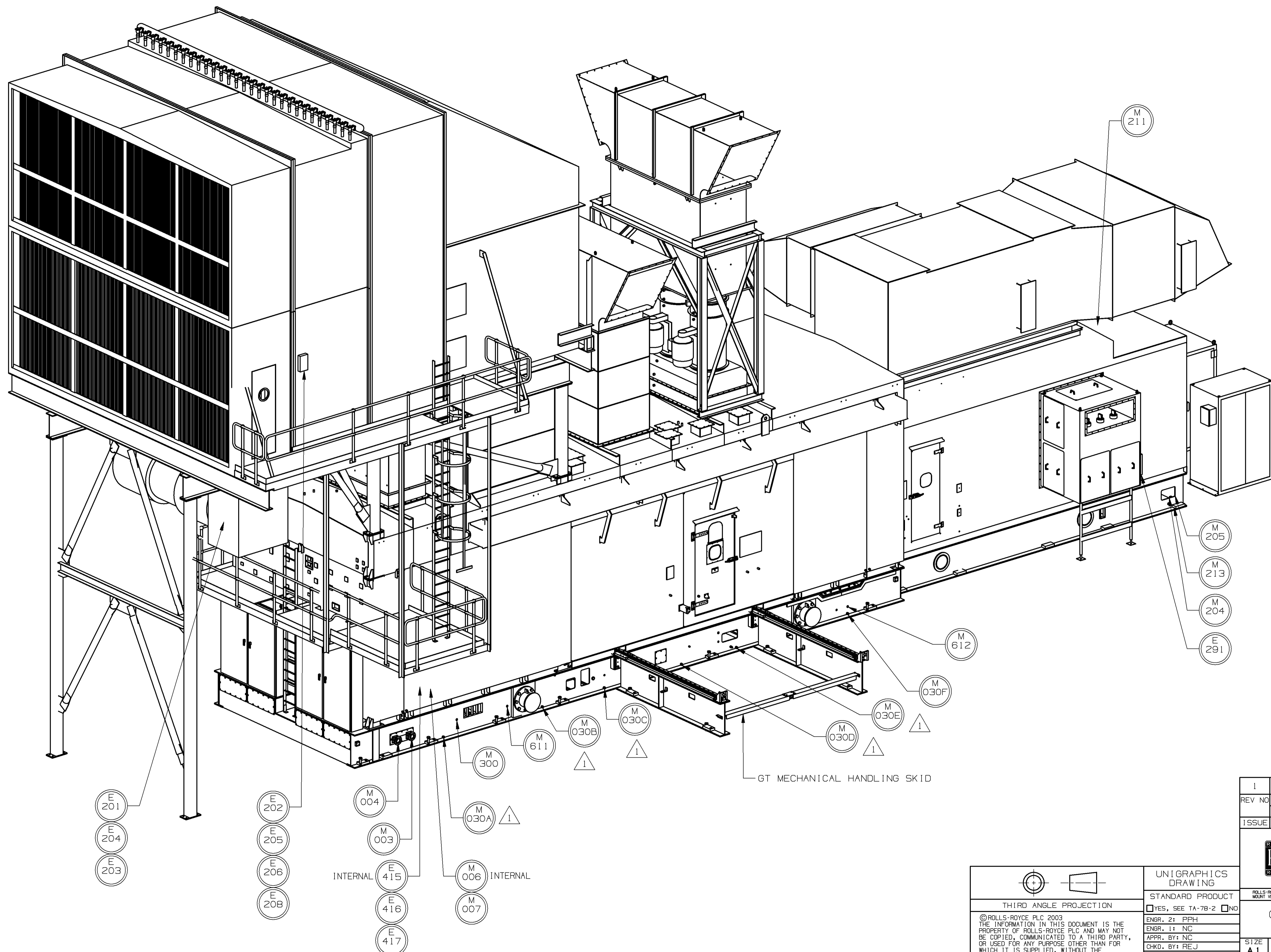
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1	22887.01 ADDED BASE DRAIN CNTN'S M030A-F.	29JUN07 KDR
REV NO	ECO NO / DESCRIPTION	DATE
	REVISION HISTORY	BY
ISSUE	M.A168.01	80A16801.02



ROLLS-ROYCE ENERGY SYSTEMS, INC. ROLLS-ROYCE POWER ENGINEERING PLC
MOUNT VERNON OHIO 43050 USA BOOTLE, MERSEYSIDE L30 4JZ ENGLAND

GENERAL ARRANGEMENT

SIZE	A1	REV	1
SCALE	NTS	SHEET	4 OF 9

THIRD ANGLE PROJECTION

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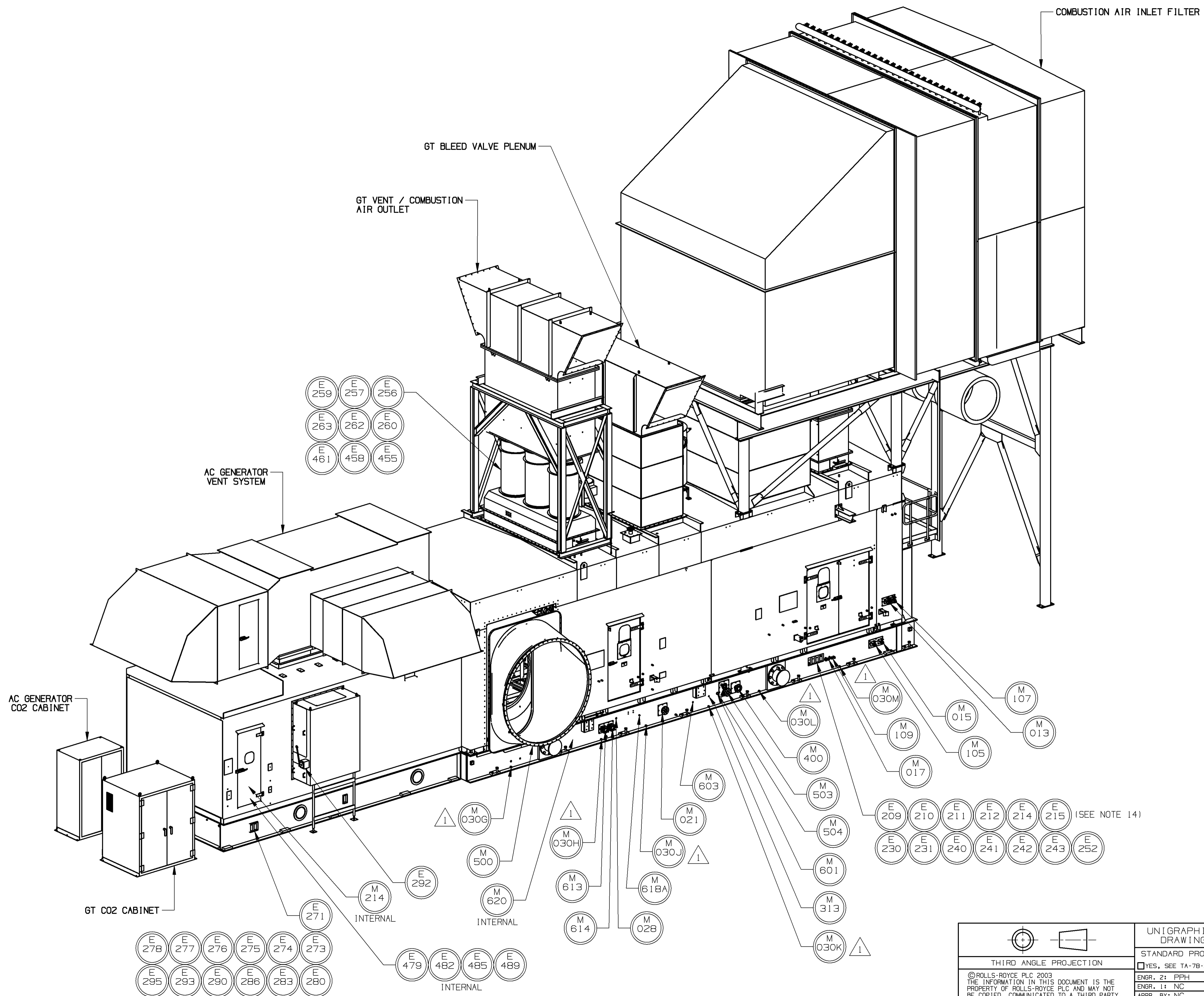
UNIGRAPHICS DRAWING

STANDARD PRODUCT

YES, SEE TA-78-2 NO

ENGR. 2: PPH
ENGR. 1: NC
APPR. BY: NC
CHKD. BY: RE-J
DRAWN BY: KDR
DWG. DATE: 09MAR07

ALL SHEETS ARE THE SAME REVISION STATUS.



1	22887.01 ADDED BASE DRAIN CNTN'S M030G-M.	29JUN07 KDR
REV NO	ECO NO / DESCRIPTION	DATE
REVISION HISTORY		BY
ISSUE	M. A168.01	80A16801.02



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UNIGRAPHICS DRAWING

STANDARD PRODUCT

YES, SEE TA-7B-2 NO

ENGR. 2: PPH
 ENGR. 1: NC
 APPR. BY: NC
 CHKD. BY: RE-J
 DRAWN BY: KDF
 DWG. DATE: 09MAR07

GENERAL ARRANGEMENT	
SIZE A1	REV 1
GED00008872	
SCALE: NTS	SHEET: 5 OF: 9

ALL SHEETS ARE THE SAME REVISION STATUS.

12 11 10 9 8 7 6 5 4 3 2 1

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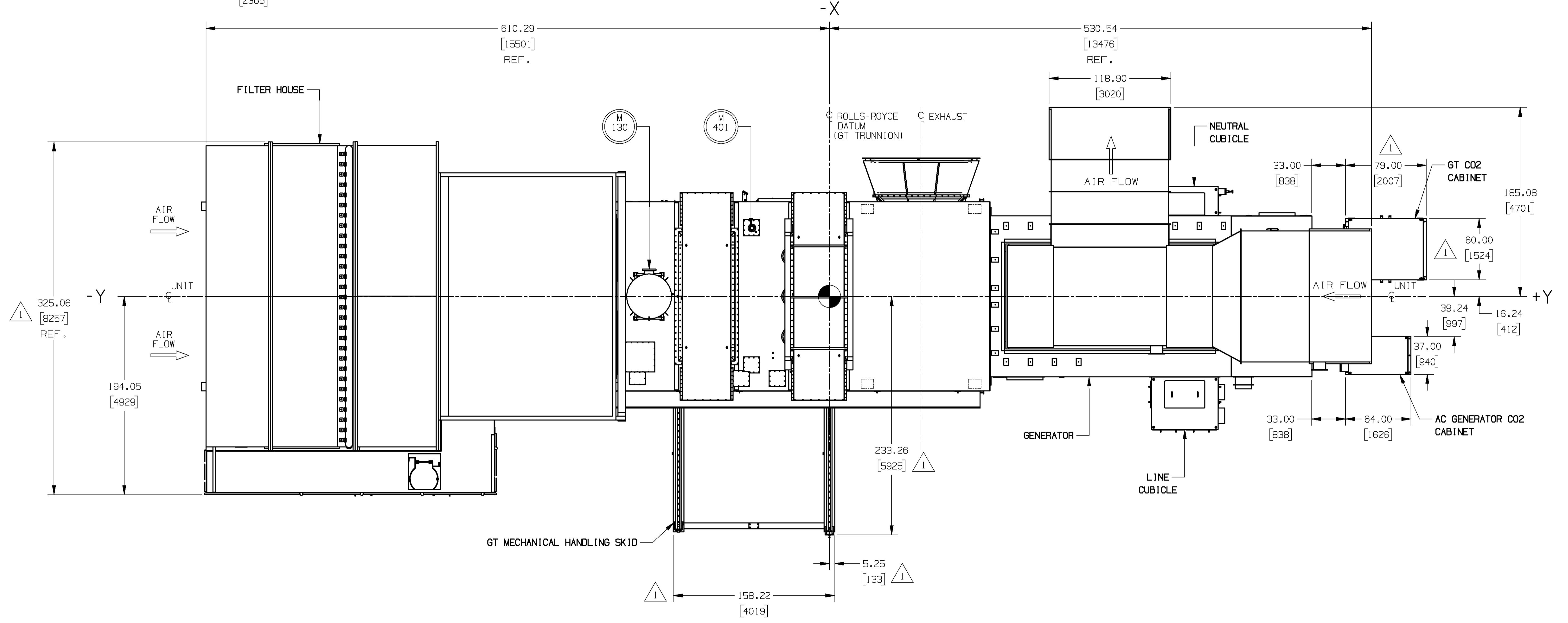
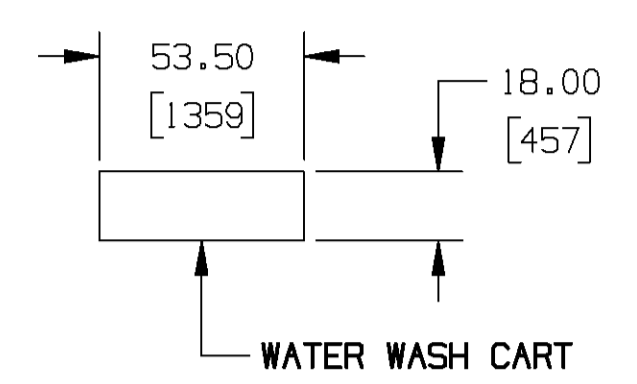
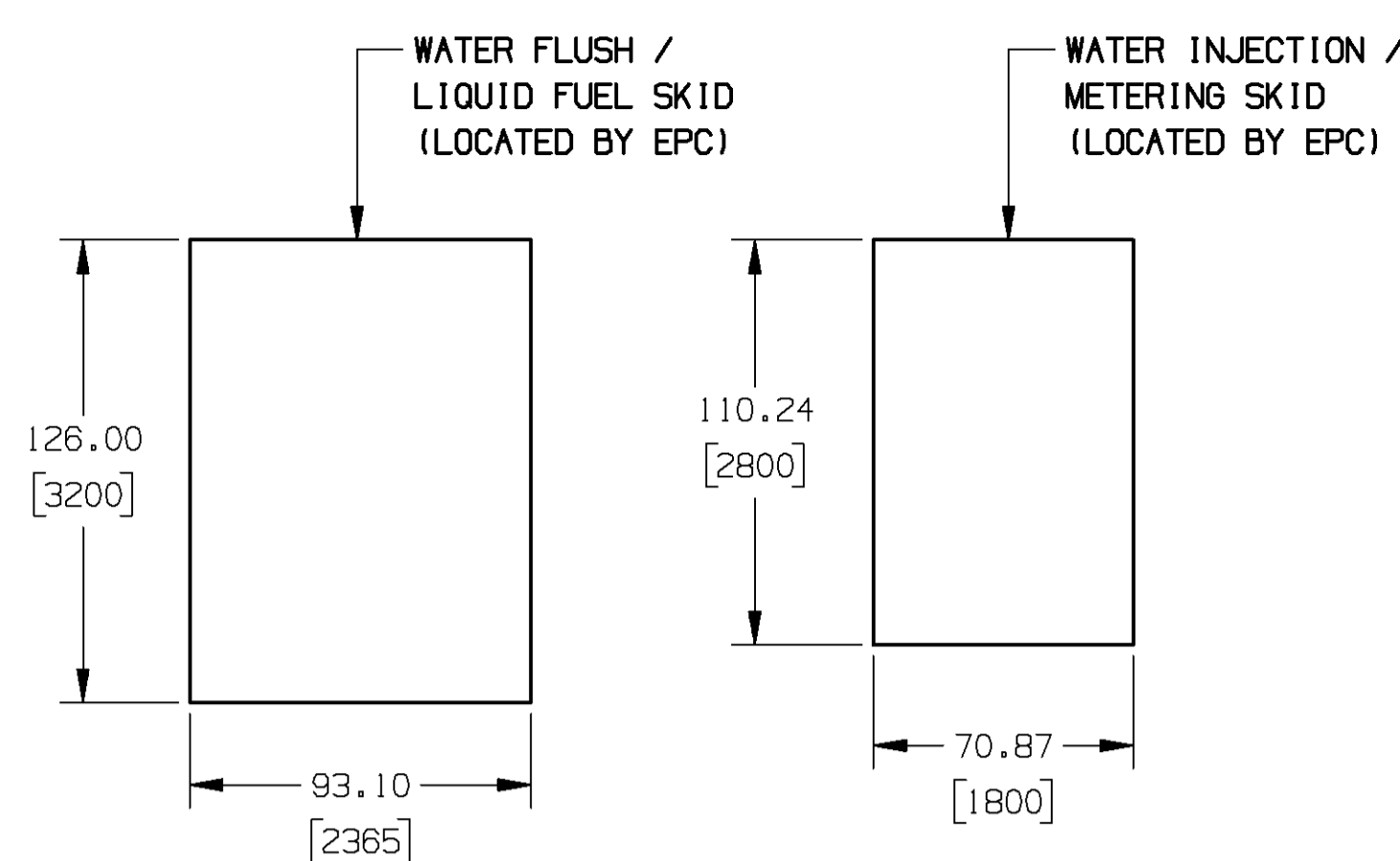
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PLAN VIEW

1	22877.01 UPDATED DIMENSIONS TO GT CO2 CABINET, MECH. HANDLING SKID, & OVERALL AIR FILTER.	29JUN07 KDR
REV NO	ECO NO / DESCRIPTION	DATE
	REVISION HISTORY	BY
ISSUE	M.A168.01	80A16801.02



THIRD ANGLE PROJECTION

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UNIGRAPHICS DRAWING
 STANDARD PRODUCT
 YES, SEE TA-78-2 NO
 ENGR. 2: PPH
 ENGR. 1: NC
 APPR. BY: NC
 CHKD. BY: RE-J
 DRAWN BY: KDR
 DWG. DATE: 09MAR07

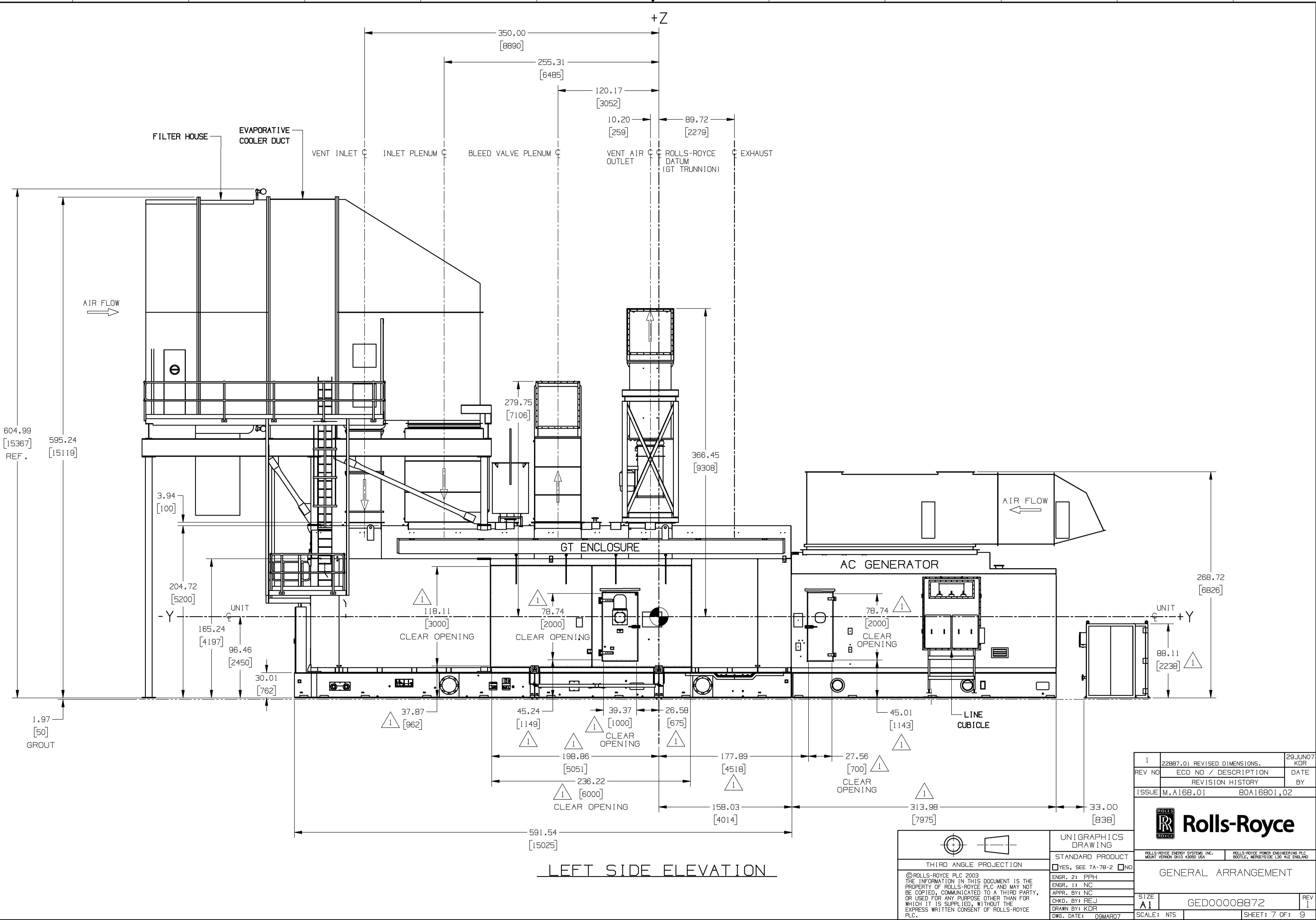
ROLLS-ROYCE ENERGY SYSTEMS, INC. MOUNT VERNON OHIO 43050 USA		ROLLS-ROYCE POWER ENGINEERING PLC BOOTLE, MERSEYSIDE L30 4JZ ENGLAND	
GENERAL ARRANGEMENT			
SIZE	A1	GED00008872	REV 1
SCALE:	NTS		SHEET: 6 OF: 9

12 11 10 9 8 7 6 5 4 3 2 1

ALL SHEETS ARE THE SAME REVISION STATUS.

12 11 10 9 8 7 6 5 4 3 2 1

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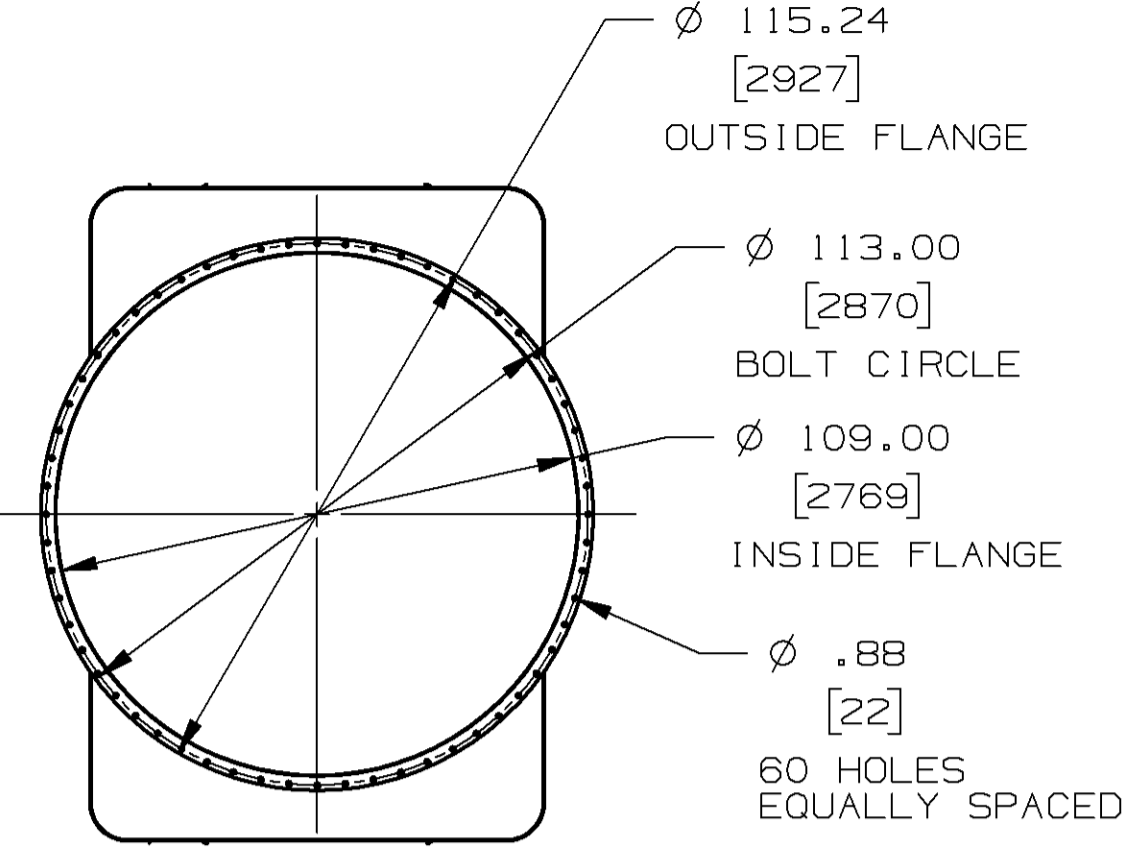


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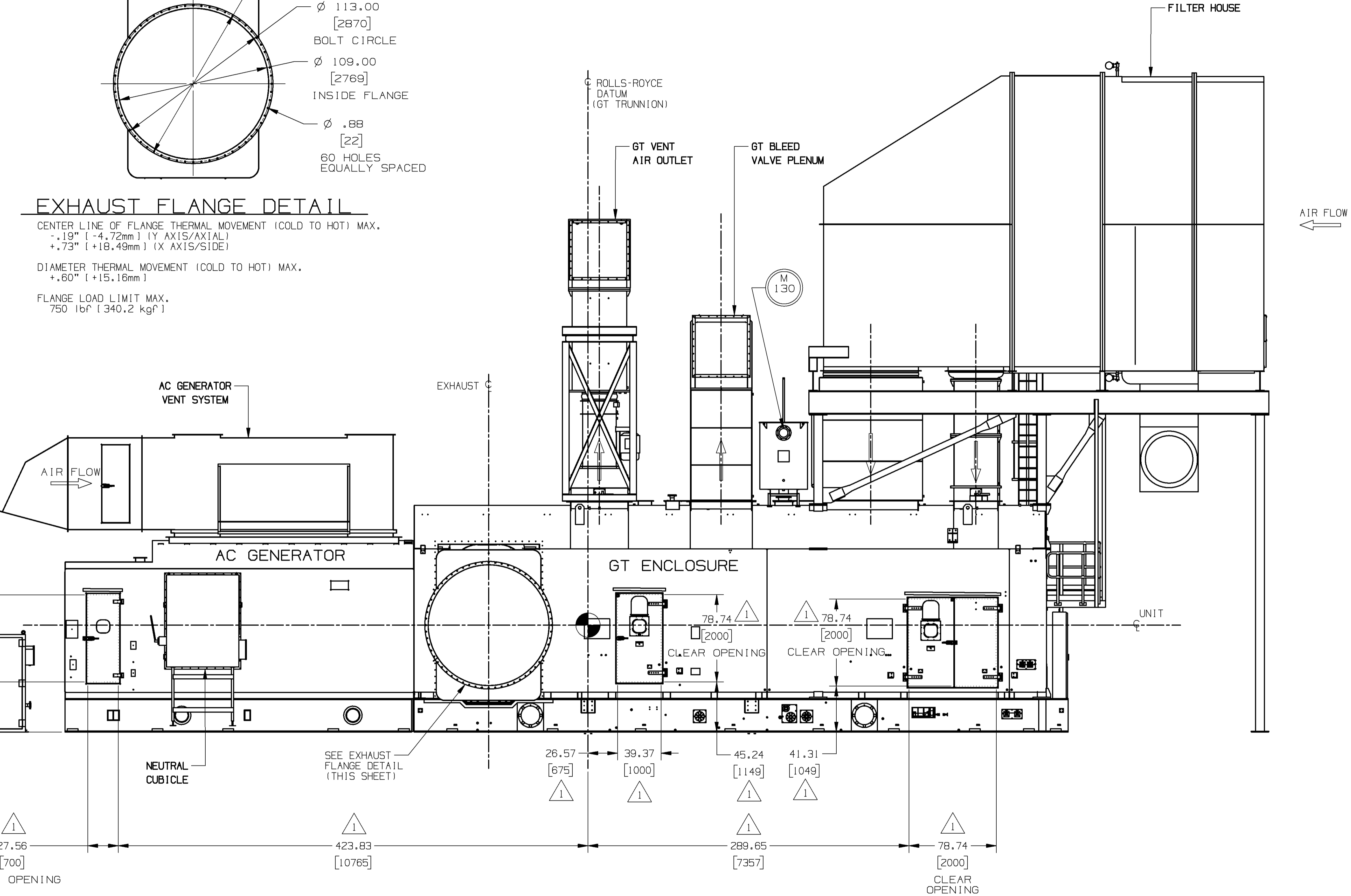
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ALL SHEETS ARE THE SAME REVISION STATUS.

12 11 10 9 8 7 6 5 4 3 2 1



EXHAUST FLANGE DETAIL
 CENTER LINE OF FLANGE THERMAL MOVEMENT (COLD TO HOT) MAX.
 -.19" [-4.72mm] (Y AXIS/AXIAL)
 +.73" [+18.49mm] (X AXIS/SIDE)
 DIAMETER THERMAL MOVEMENT (COLD TO HOT) MAX.
 +.60" [+15.16mm]
 FLANGE LOAD LIMIT MAX.
 750 lbf [340.2 kgf]



RIGHT SIDE ELEVATION

1	22887.01 REVISED DIMENSIONS TO CLEAR OPENINGS.	29JUN07 KDR
REV NO	ECO NO / DESCRIPTION	DATE
	REVISION HISTORY	BY
ISSUE	M.A168.01	80A16801.02



THIRD ANGLE PROJECTION
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UNIGRAPHICS DRAWING
 STANDARD PRODUCT
 YES, SEE TA-78-2 NO
 ENGR. 2: PPH
 ENGR. 1: NC
 APPR. BY: NC
 CHKD. BY: RE-J
 DRAWN BY: KDR
 DWG. DATE: 09MAR07

GENERAL ARRANGEMENT	
SIZE A1	REV 1
GED00008872	
SCALE: NTS	SHEET: 8 OF: 9

12 11 10 9 8 7 6 5 4 3 2 1

ALL SHEETS ARE THE SAME REVISION STATUS.

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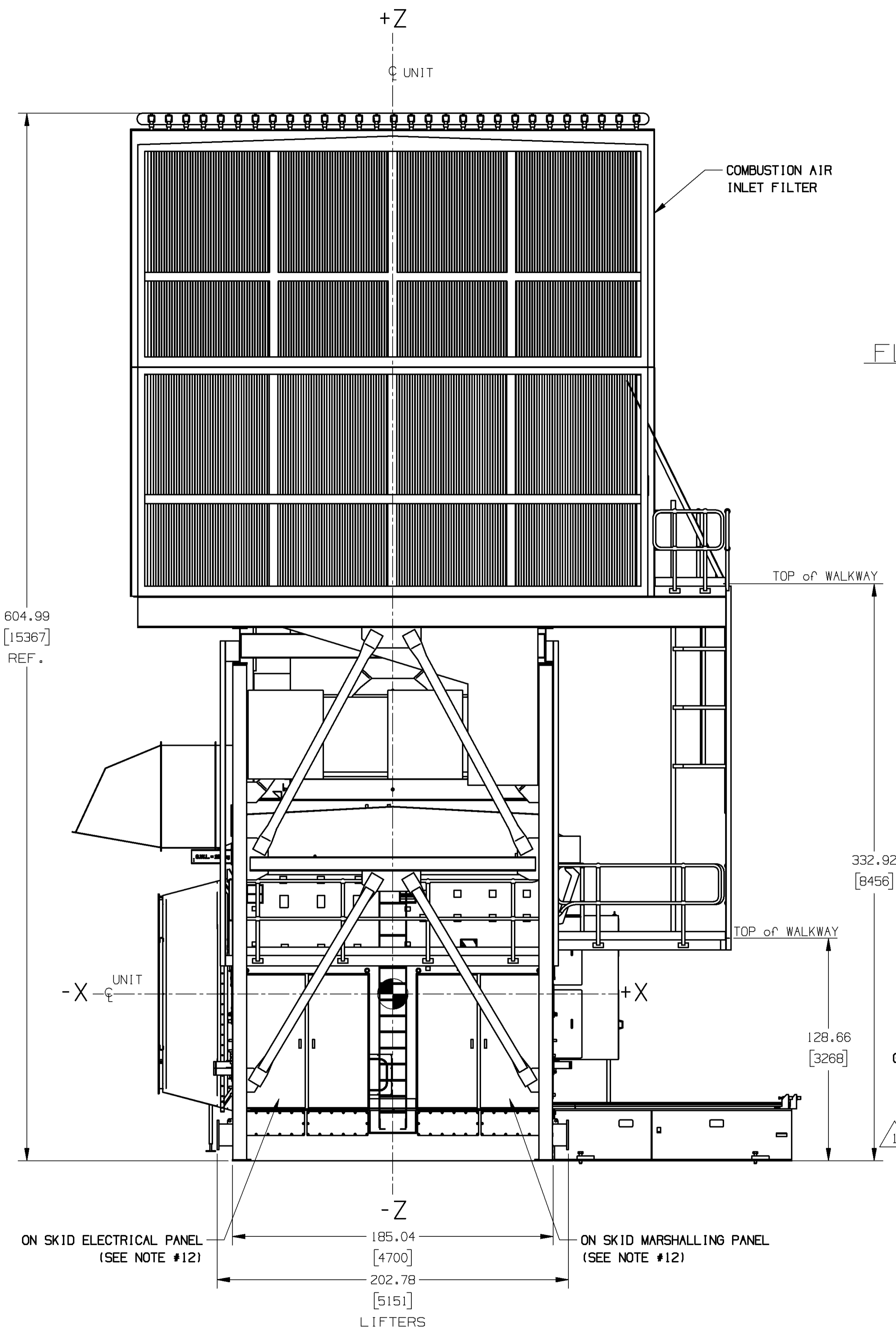
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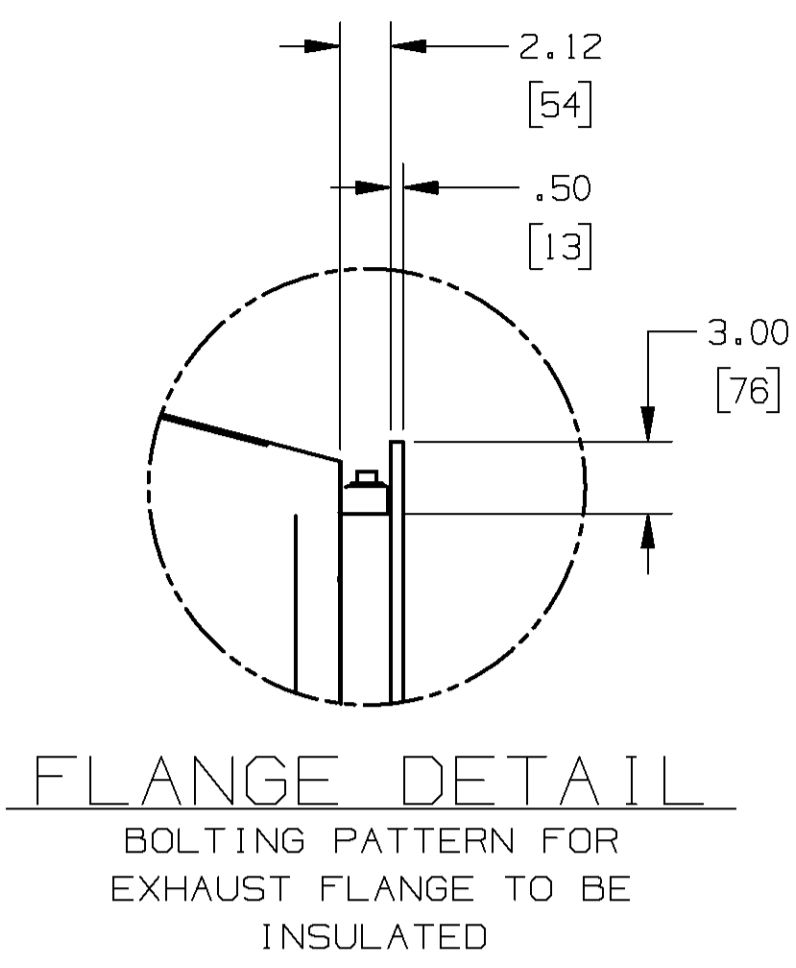
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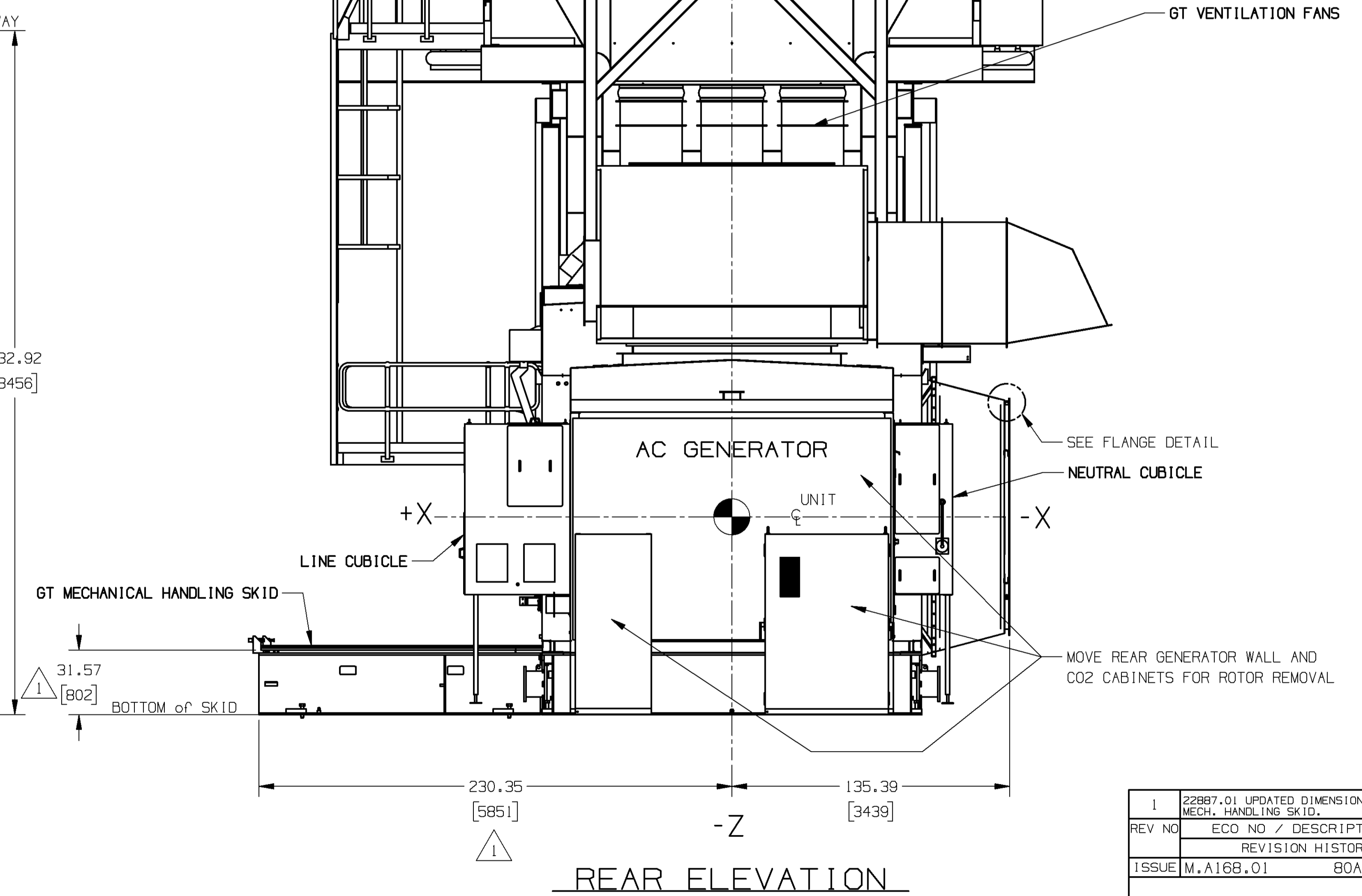
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FRONT ELEVATION



FLANGE DETAIL
BOLTING PATTERN FOR EXHAUST FLANGE TO BE INSULATED



REAR ELEVATION

THIRD ANGLE PROJECTION

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UNIGRAPHICS DRAWING
STANDARD PRODUCT
 YES, SEE TA-78-2 NO
ENGR. 2: PPH
ENGR. 1: NC
APPR. BY: NC
CHKD. BY: RE-J
DRAWN BY: KDR
DWG. DATE: 09MAR07

1	22887.01 UPDATED DIMENSIONS TO MECH. HANDLING SKID.	29JUN07 KDR
REV NO	ECO NO / DESCRIPTION	DATE
REVISION HISTORY		
ISSUE	M.A168.01	80A16801.02

GENERAL ARRANGEMENT	
SIZE A1	GED00008872
SCALE: NTS	SHEET: 9 OF: 9

ALL SHEETS ARE THE SAME REVISION STATUS.

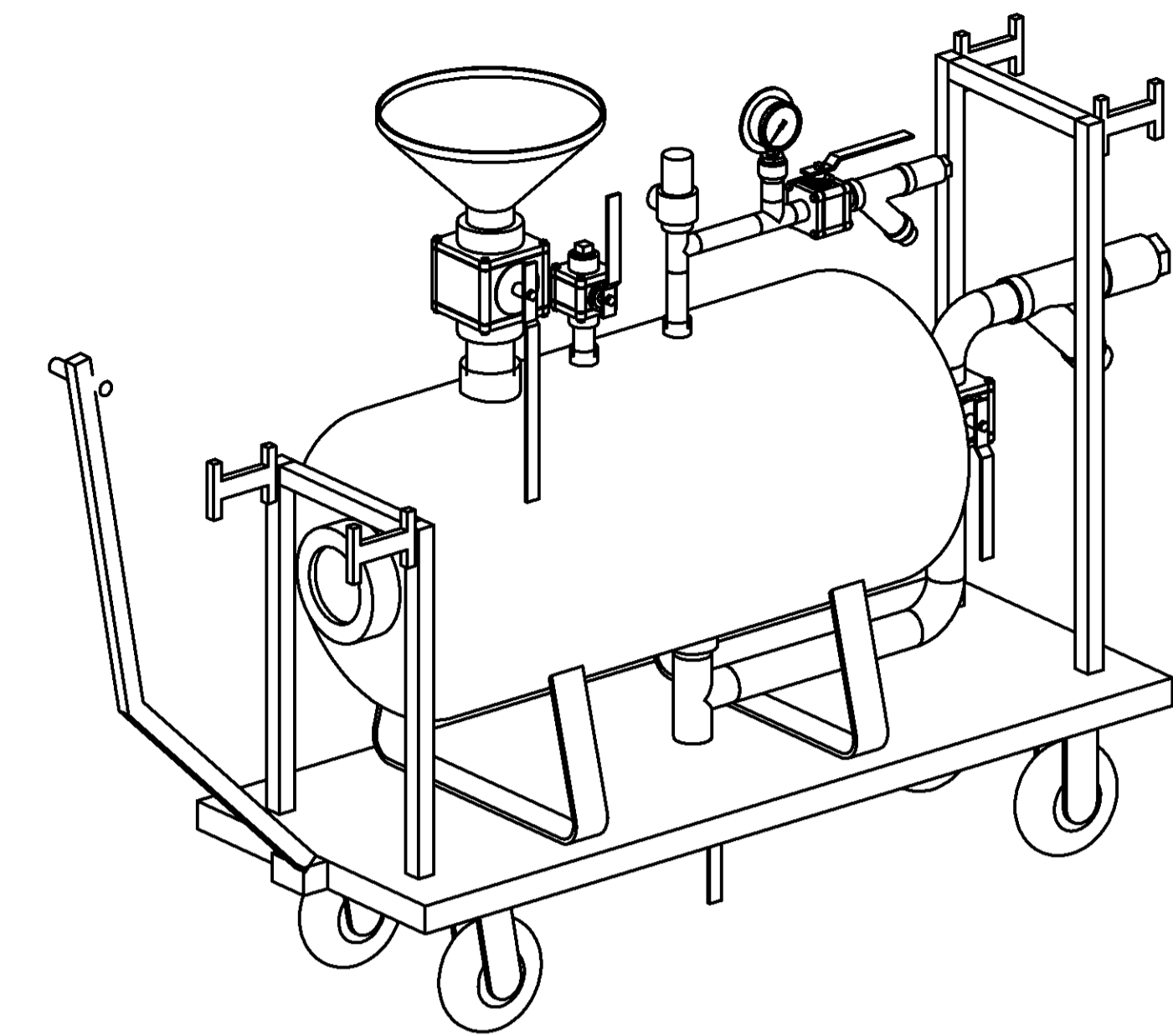
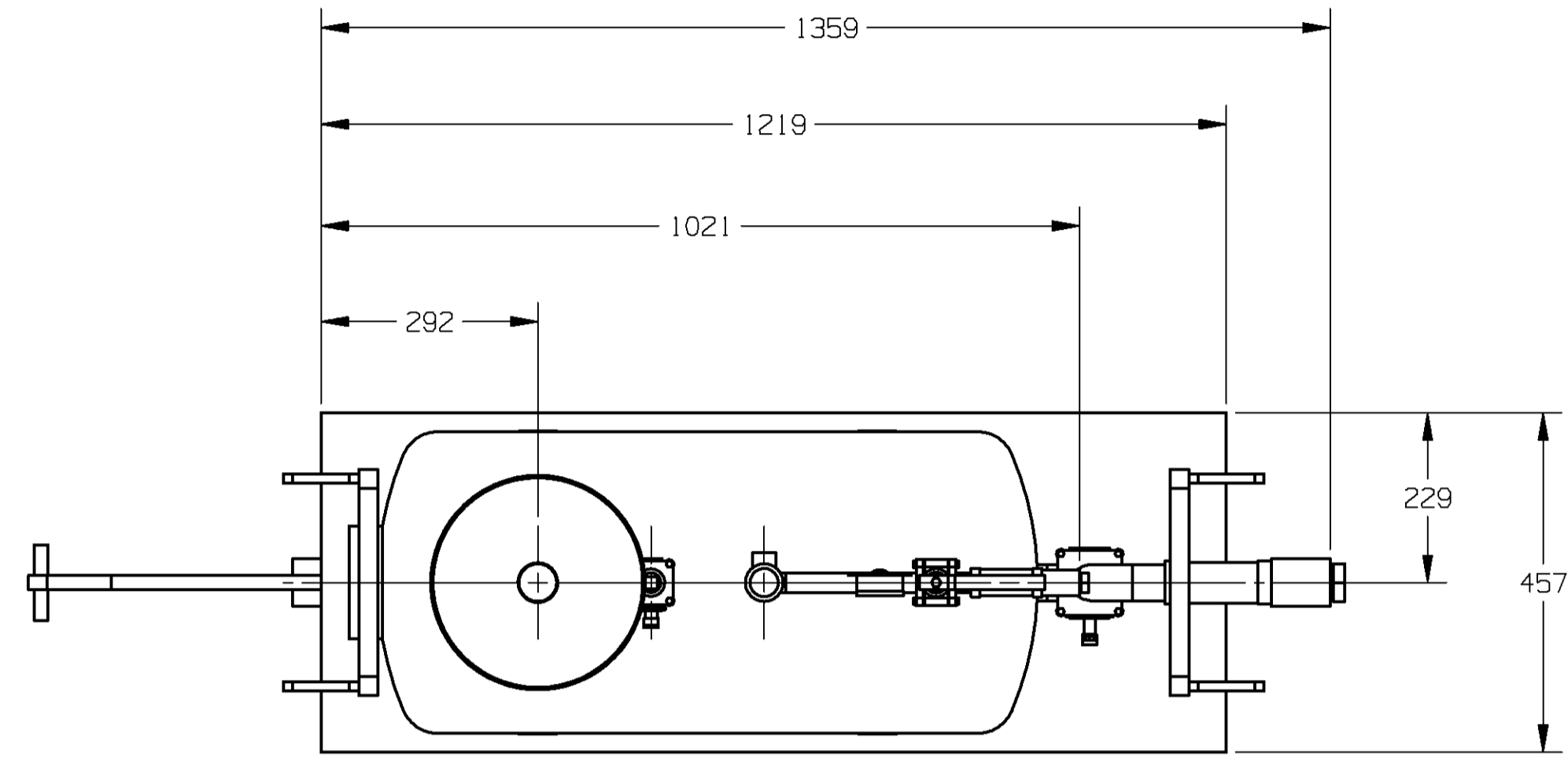
12 11 10 9 8 7 6 5 4 3 2 1

CUSTOMER CONNECTIONS

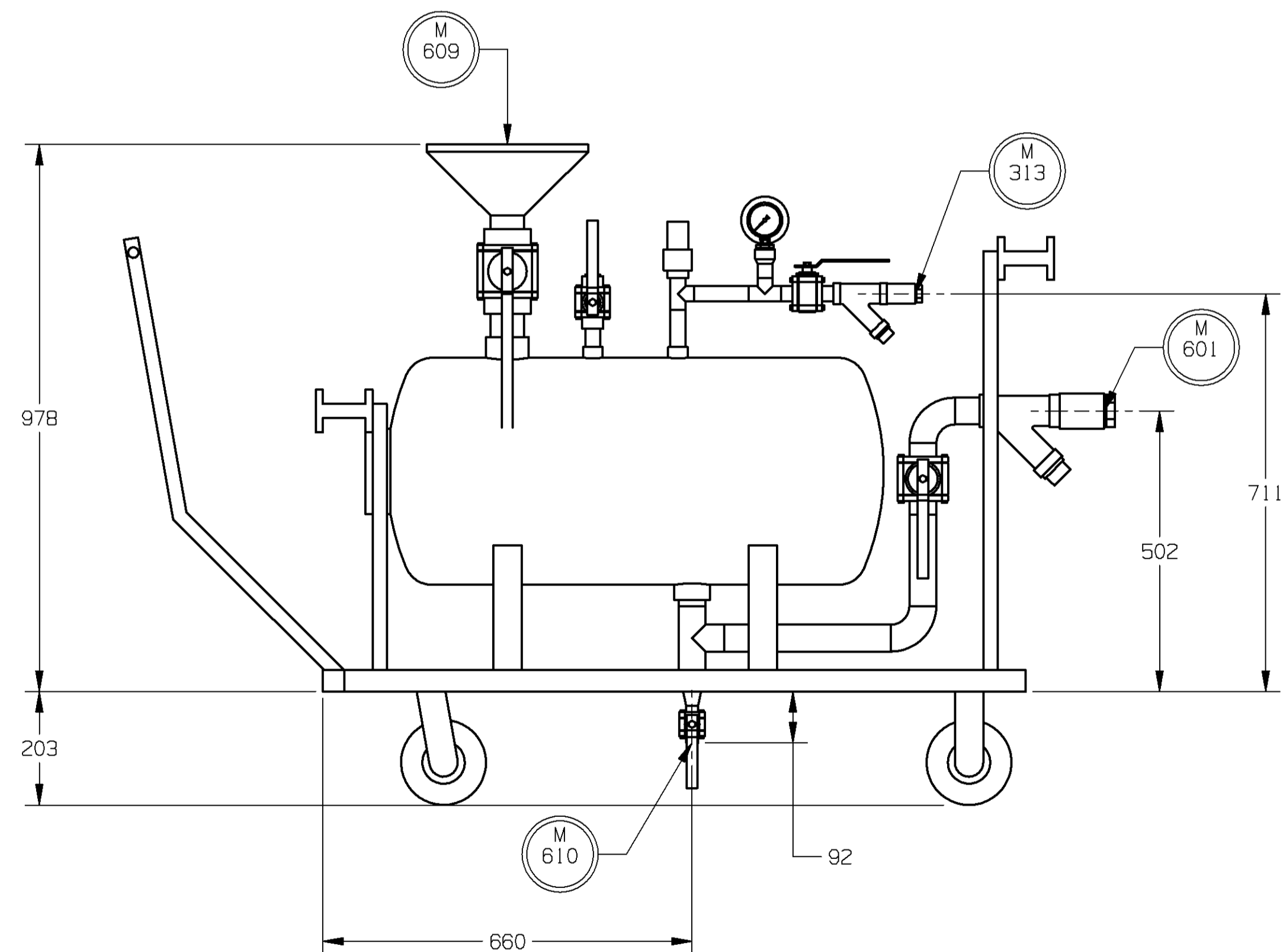
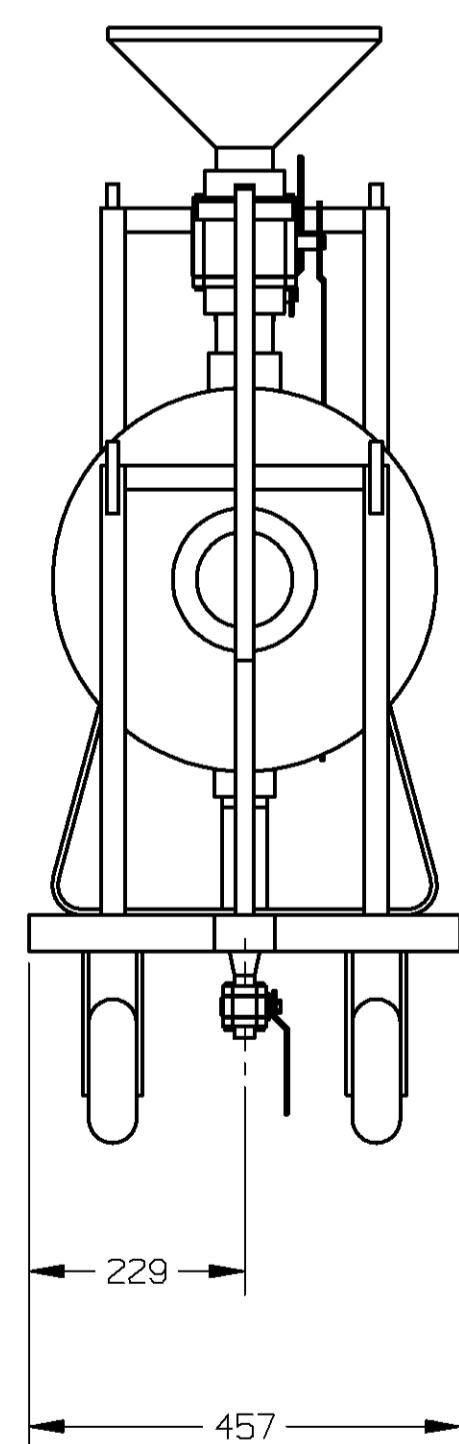
CNTN	SIZE	TYPE	SERVICE
M313	.75"	QUICK CONNECT	WATER/CHEMICAL/AIR INLET
M601	1.5"	QUICK CONNECT	WASH FLUID DISCHARGE
M609	2"	-	MANUAL FILL FUNNEL W/DEBRIS SCREEN & CAP
M610	.5"	FNPT	TANK DRAIN

NOTES:

- WASH CART WEIGHT:
DRY: 102 kg
WET: 216 kg
- DIMENSIONS IN MILLIMETERS.



WATER WASH SYSTEM

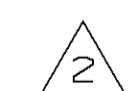


ROLLS-ROYCE ENERGY SYSTEMS INC.
SEE TC-65 FOR DRAWING DEFINITIONS

- INFORMATION ONLY
- PRELIMINARY - DO NOT USE FOR CONSTRUCTION
- FOR APPROVAL
- CERTIFIED
- CERTIFIED - AS BUILT
- CERTIFIED - AS INSTALLED

ROLLS-ROYCE ES1 SO-M.A007.01
MO-80A00701
CUSTOMER TJV Colmito Chile
P.O. NO.

REFER TO DOCUMENT TRANSMITTAL LETTER FOR SPECIFIC INSTRUCTIONS



THIRD ANGLE PROJECTION

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UNIGRAPHICS DRAWING
STANDARD PRODUCT
 YES, SEE TA-7B-2 NO

ENGR. 2: PPH
ENGR. 1: RD
APPR. BY: RD
CHKD. BY: KMD
DRAWN BY: KDR
DWG. DATE: 29JUN07

2	23154.02 WAS "PRELIMINARY"	23AUG07
1	22827.05 WAS SHT 1 OF 5.	10JUL07 KDR
0	22827.04 INITIAL RELEASE	29JUN07 KDR
REV NO	ECO NO / DESCRIPTION	DATE
REVISION HISTORY		BY
ISSUE	M.A007.01	80A00701



UNIT OUTLINE
AUXILIARY EQUIPMENT

SIZE A1
GED00010890
REV 2

SCALE: SHEET: 1 OF: 4

12 11 10 9 8 7 6 5 4 3 2 1

ALL SHEETS ARE THE SAME REVISION STATUS.

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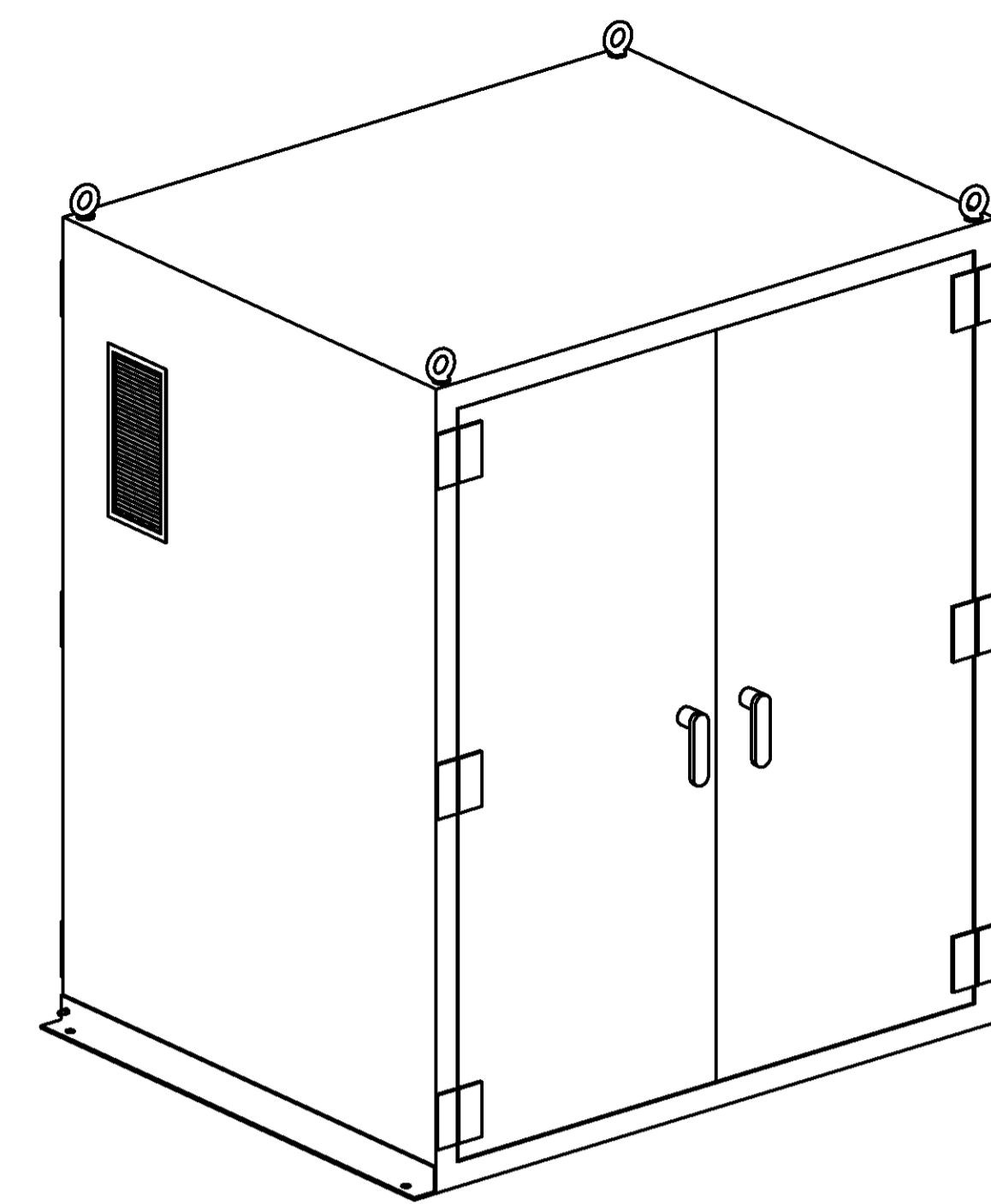
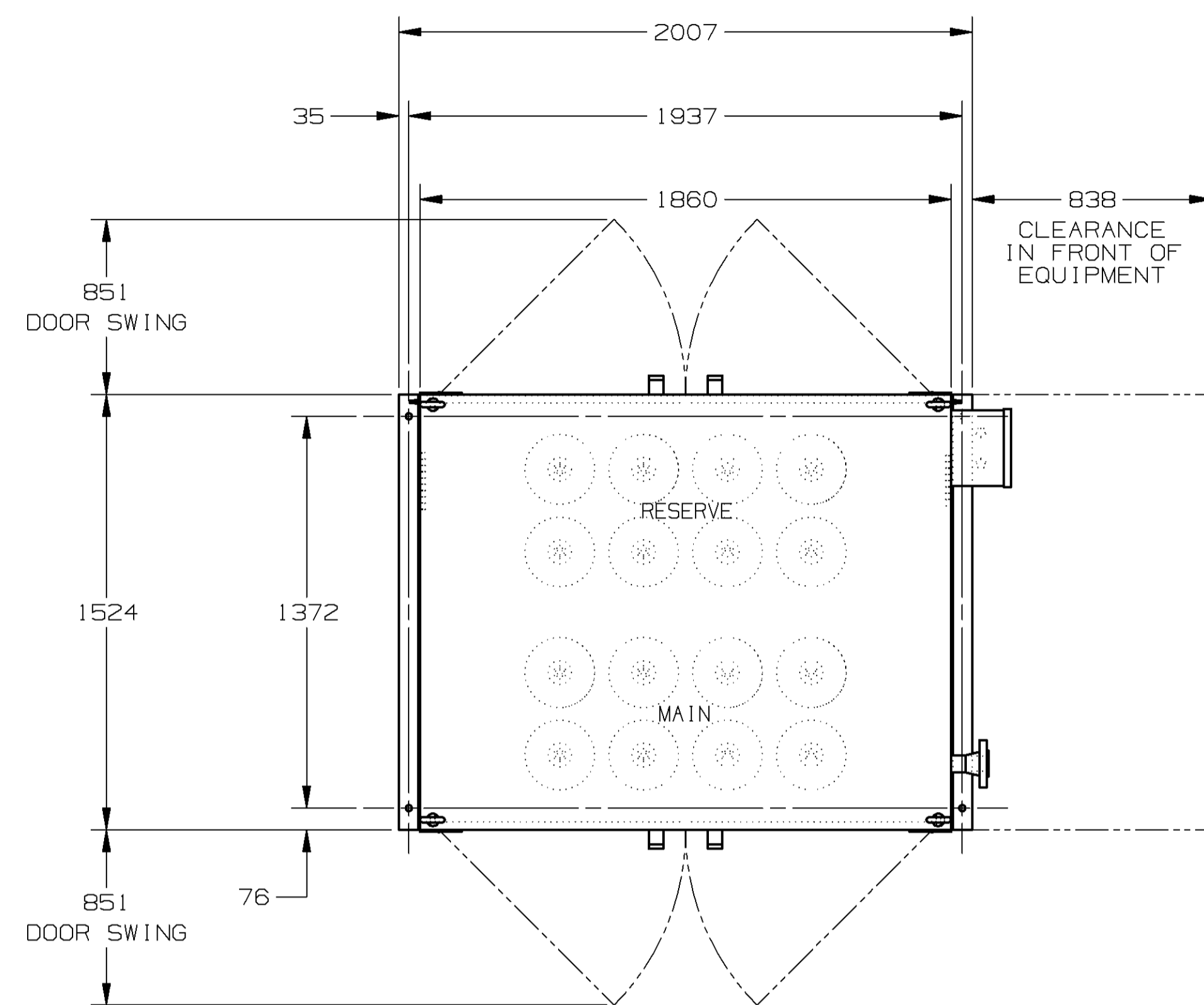
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CUSTOMER CONNECTIONS

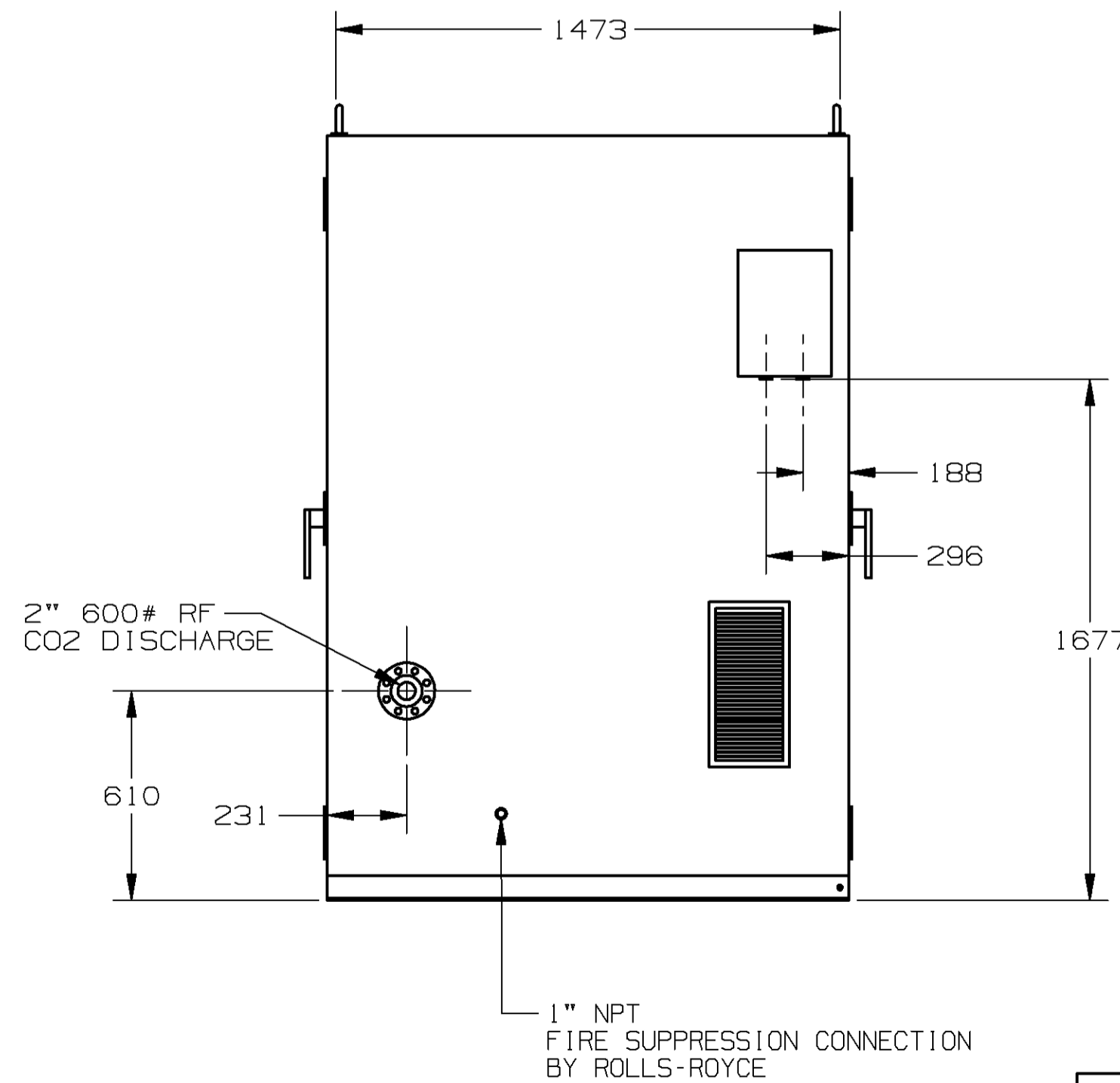
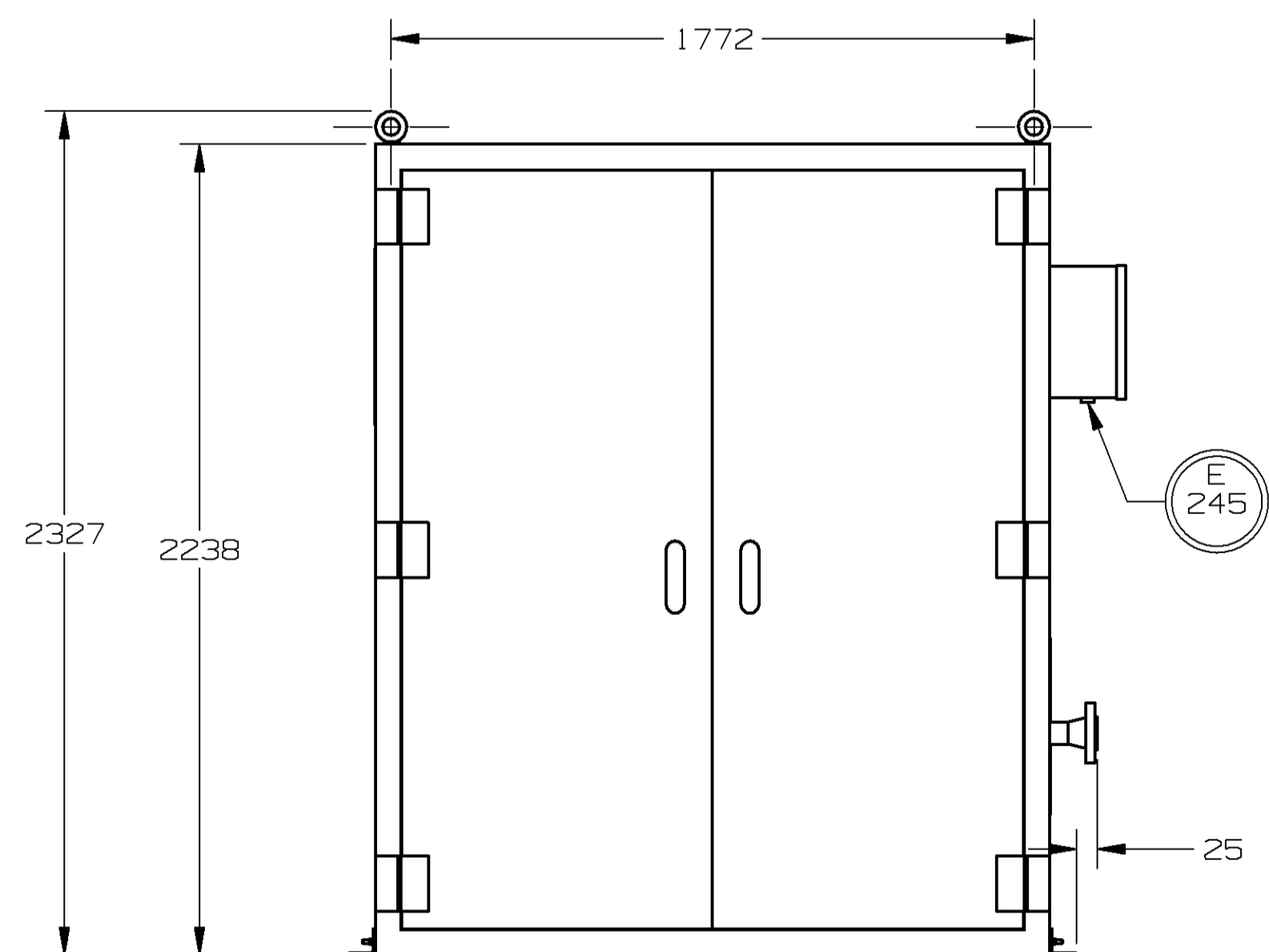
CNTN	SIZE	TYPE	SERVICE
E245	-	-	GT CO2 ENCLOSURE HEATER
E321	-	-	FIRE & GAS LAN/24V AC GEN. CO2 ENCL. TO GT CO2 ENCL.

NOTES:

- GT CO2 CABINET WEIGHT:
W/CO2 BOTTLES: 3360 kgs
WO/CO2 BOTTLES: 1270 kgs
- DIMENSIONS IN MILLIMETERS.



GT CO2 CABINET



THIRD ANGLE PROJECTION

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UNIGRAPHICS DRAWING

STANDARD PRODUCT

YES, SEE TA-7B-2 NO

ENGR. 2: PPH
ENGR. 1: RD
APPR. BY: RD
CHKD. BY: KMD
DRAWN BY: KDR
DWG. DATE: 29JUN07

1	22827.05 WAS SHT 2 OF 5.	10JUL07
REV NO	ECO NO / DESCRIPTION	DATE
REVISION HISTORY		BY
ISSUE	M.A007.01	80A00701



ROLLS-ROYCE ENERGY SYSTEMS, INC. ROLLS-ROYCE POWER ENGINEERING PLC
MOUNT VERNON OHIO 43050 USA BOOTLEIGH MERSEYSIDE L30 ALZ ENGLAND

UNIT OUTLINE
AUXILIARY EQUIPMENT

SIZE: A1
GED00010890
REV: 2

SCALE: SHEET: 2 OF: 4

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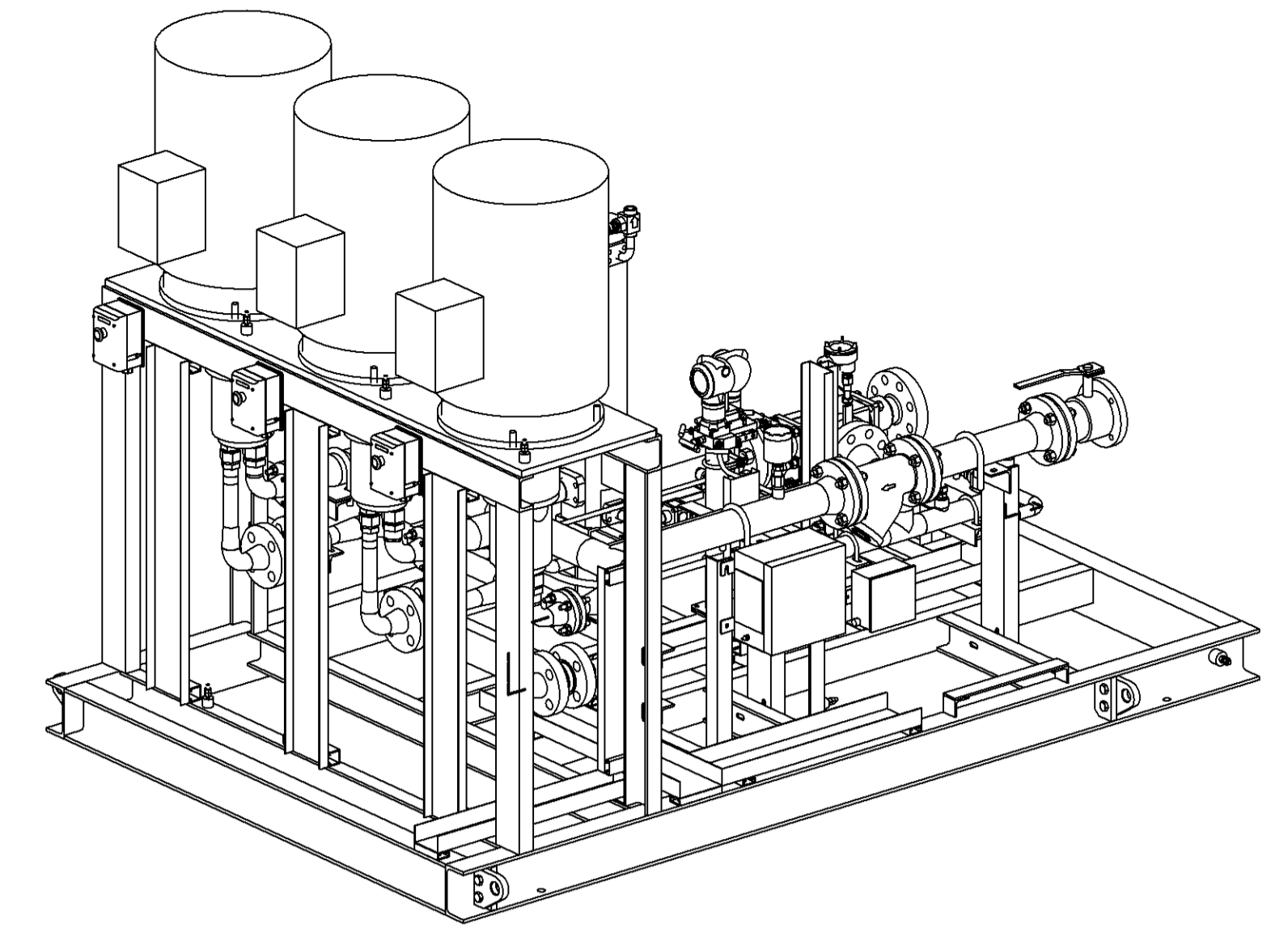
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ALL SHEETS ARE THE SAME REVISION STATUS.

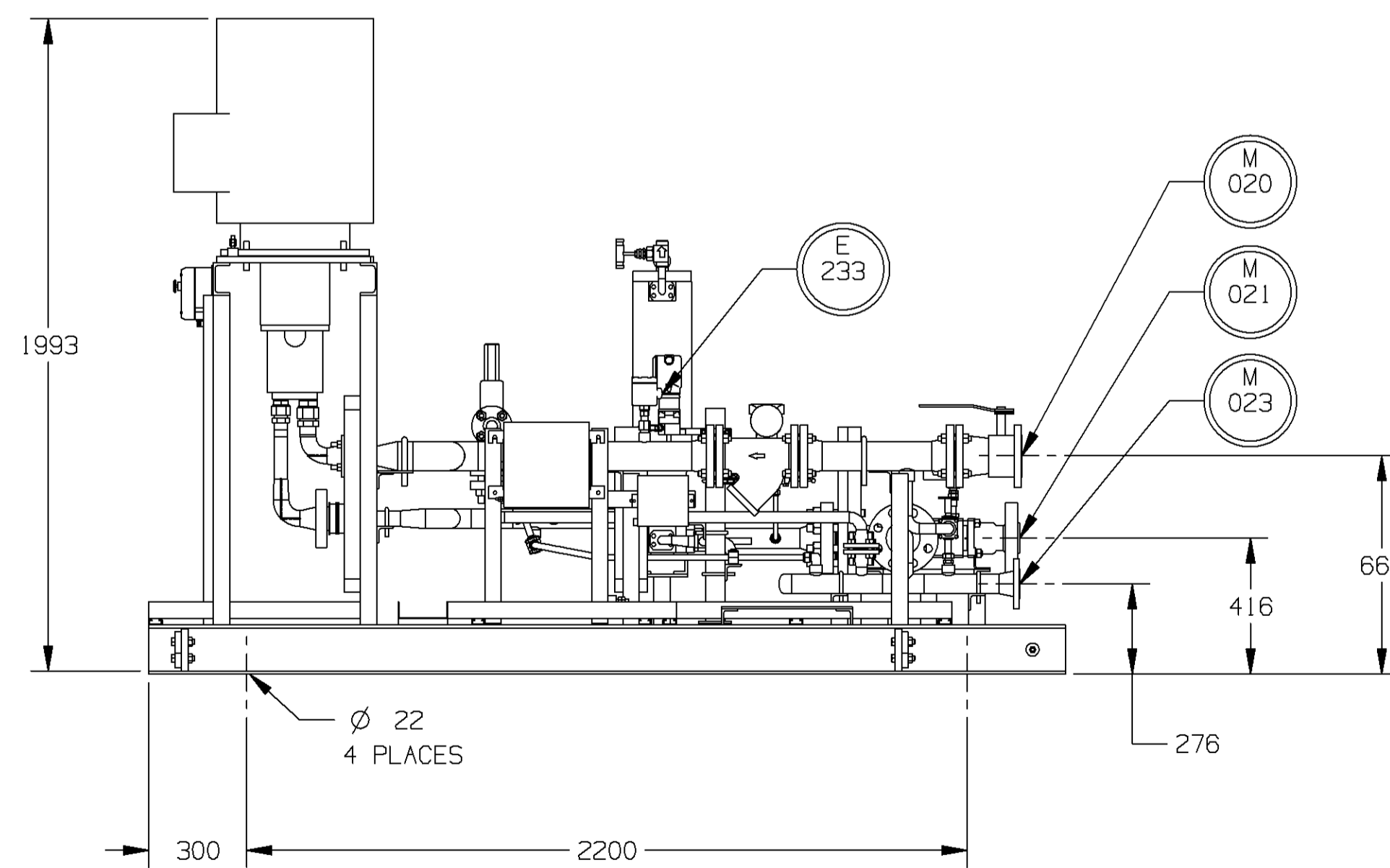
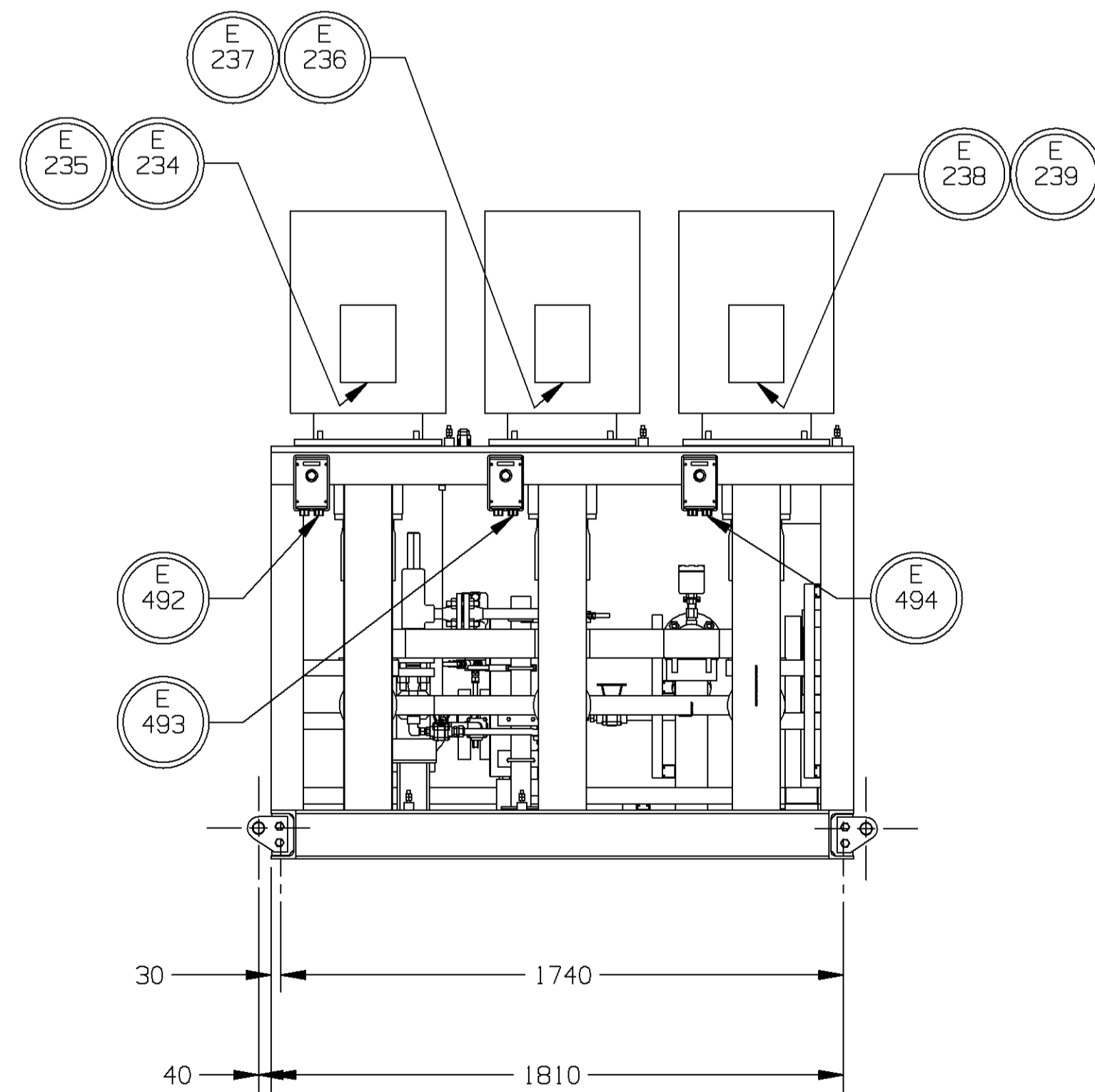
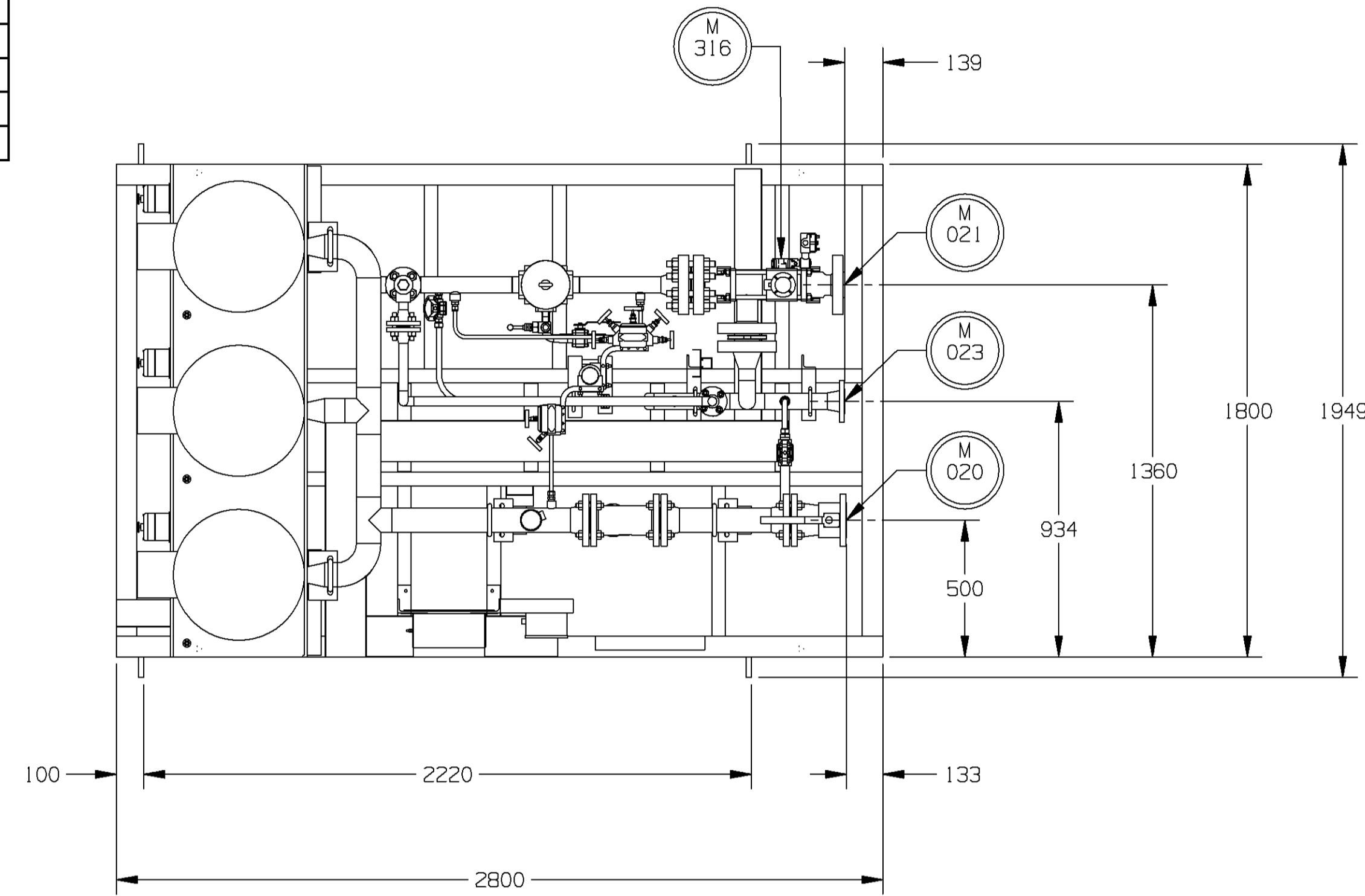
CUSTOMER CONNECTIONS

CNTN	SIZE	TYPE	SERVICE
E233	-	-	-
E234	-	-	-
E235	-	-	-
E236	-	-	-
E237	-	-	-
E238	-	-	-
E239	-	-	-
E492	-	-	-
E493	-	-	-
E494	-	-	-
M020	3"	150# RF	WATER INJECTION PUMP INLET
M021	2"	1500# RF	WATER SUPPLY - WATER INJECTION SKID/W10
M023	2"	150# RF	WATER BYPASS
M316	.5"	FNPT	AIR SUPPLY - WATER INJECTION SKID

- NOTES:
1. WATER INJECTION METERING SYSTEM WEIGHT:
DRY: 2321 kg
 2. DIMENSIONS IN MILLIMETERS.



WATER INJECTION METERING SYSTEM



THIRD ANGLE PROJECTION

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UNIGRAPHICS DRAWING

STANDARD PRODUCT

YES, SEE TA-7B-2 NO

ENGR. 2: PPH
ENGR. 1: RD
APPR. BY: RD
CHKD. BY: KMD
DRAWN BY: KDR
DWG. DATE: 29 JUN 07

1	22827.05 WAS SHT 3 OF 5: RMVD AC GENERATOR CO2 CABINET.	10JUL07
REV NO	ECO NO / DESCRIPTION	DATE
REVISION HISTORY		BY
ISSUE	M.A007.01	80A00701



ROLLS-ROYCE ENERGY SYSTEMS INC. ROLLS-ROYCE POWER ENGINEERING PLC
MOUNT VERNON OHIO 43050 USA BOOTLE MERSEYSIDE L30 4JZ ENGLAND

UNIT OUTLINE
AUXILIARY EQUIPMENT

SIZE	A1	REV	2
SCALE:	GED00010890		SHEET: 3 OF: 4

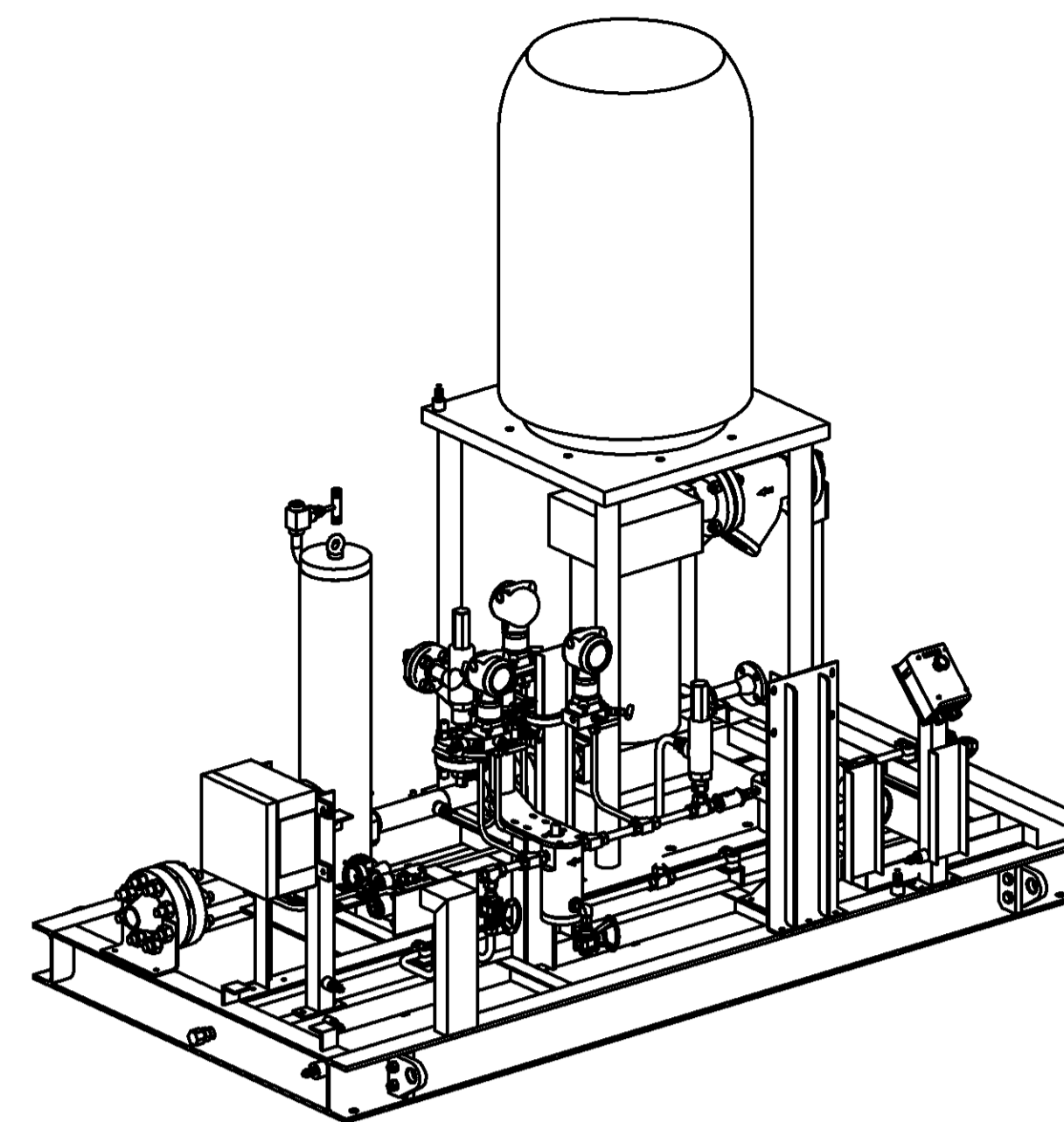
ALL SHEETS ARE THE SAME REVISION STATUS.

CUSTOMER CONNECTIONS

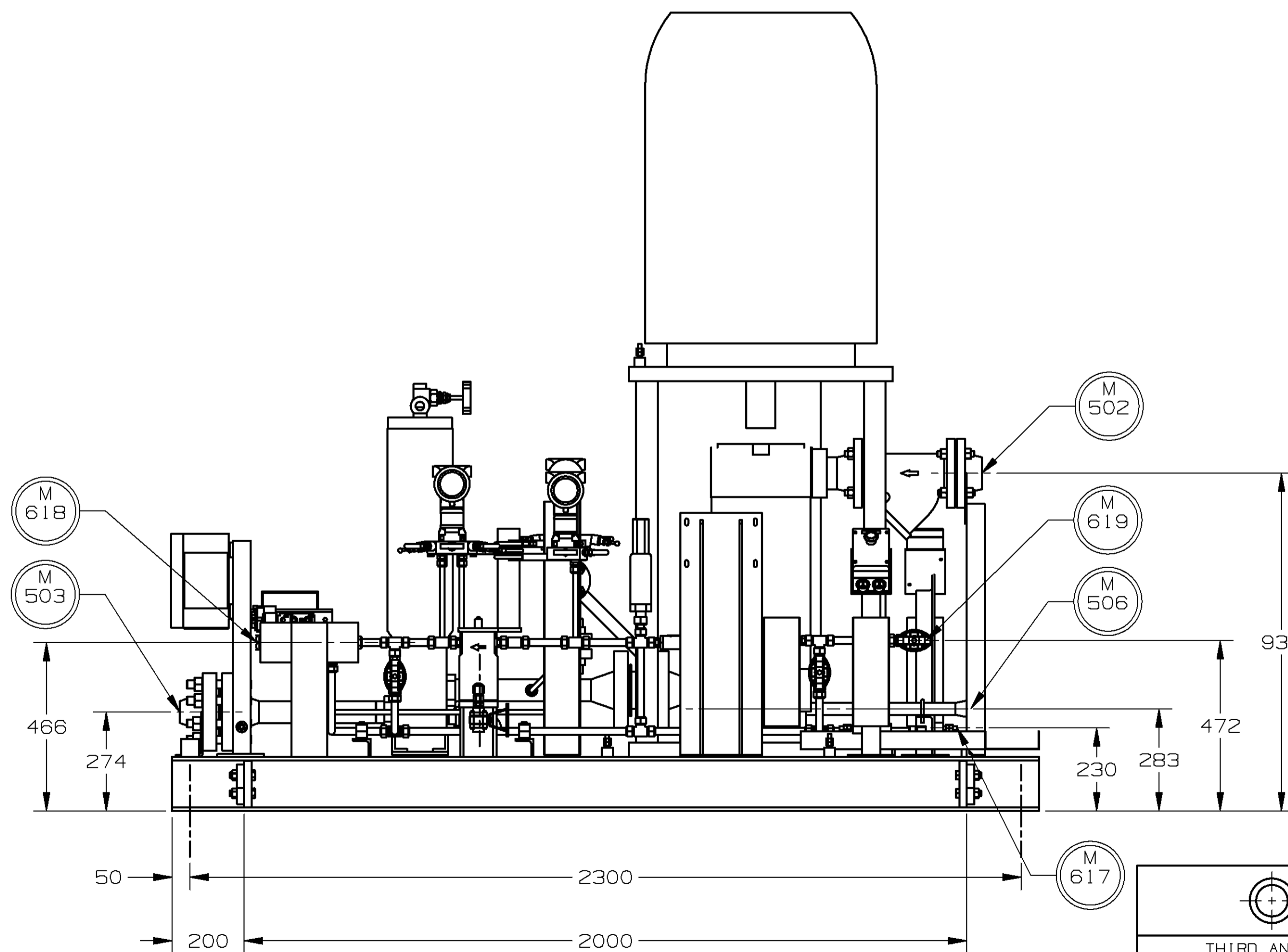
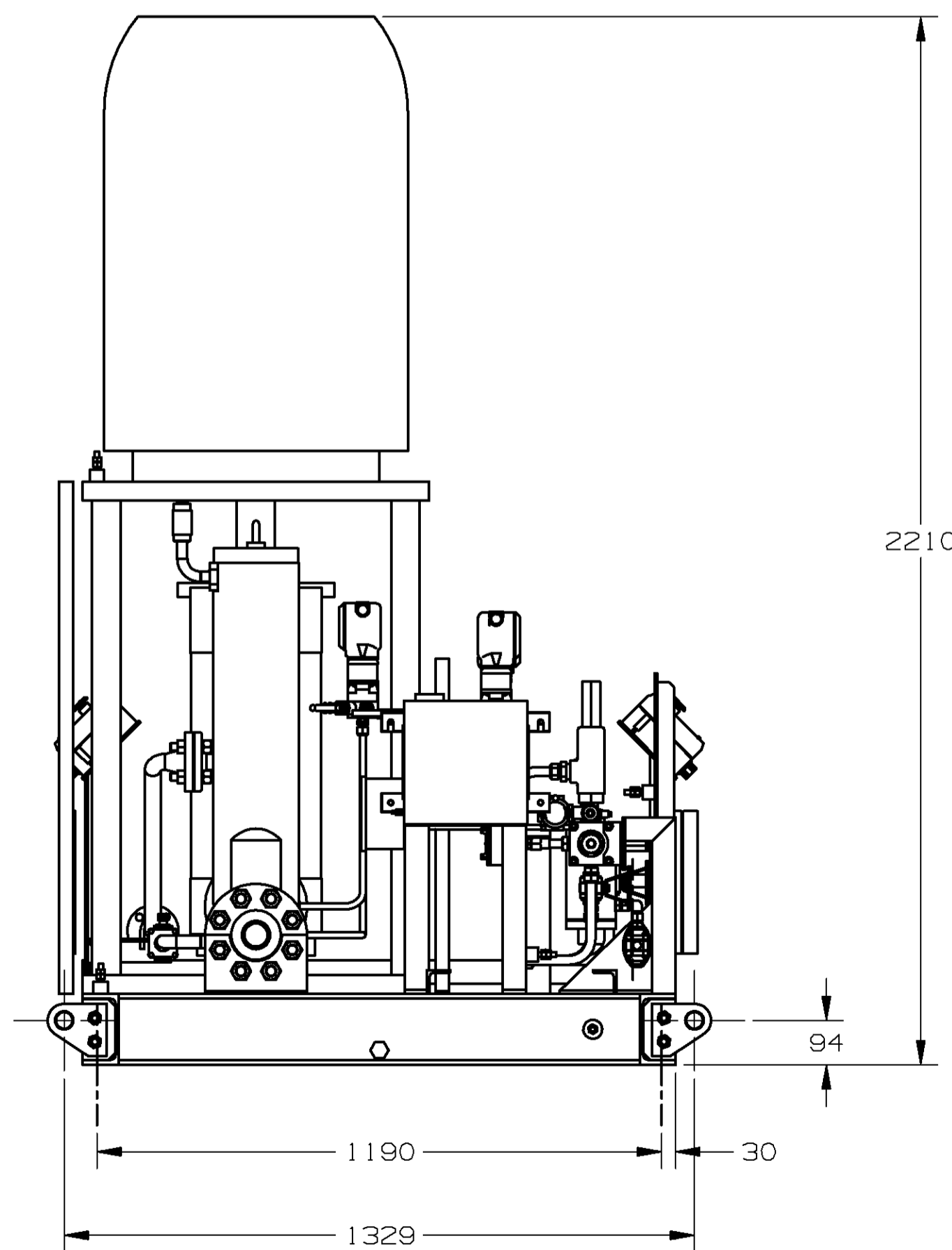
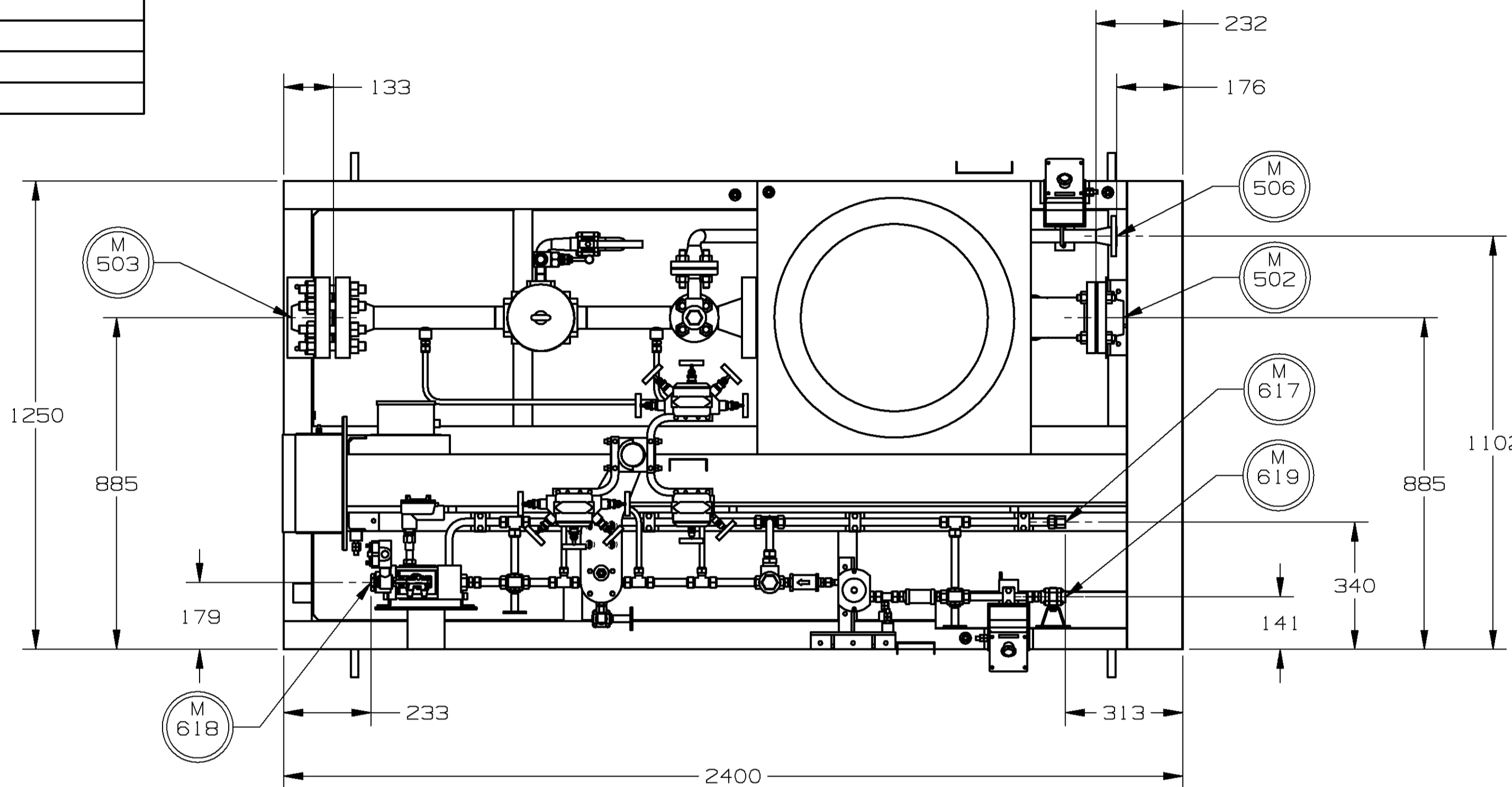
CNTN	SIZE	TYPE	SERVICE
E220	-	-	LIQUID FUEL PUMP MOTOR #1 POWER SUPPLY
E221	-	-	LIQUID FUEL PUMP MOTOR #1 HEATER
E247	-	-	THERMISTER, PUMP MOTOR LIQUID FUEL FORWARDING SKID
E495	-	-	LIQUID FUEL PUMP MOTOR #1 STOP PUSH BUTTON
M319	.5"	NPT	WATER FLUSH INSTRUMENT AIR SUPPLY
M502	4"	150# RF	LIQUID FUEL SUPPLY
M503	2"	900# RF	LIQUID FUEL DISCHARGE FROM METER SKID
M506	1.5"	150# RF	PSV RETURN TO CUSTOMER FUEL TANK
M617	.5"	NPT	WATER FLUSH INLET
M618	.5"	NPT	WATER FLUSH OUTLET AT LIQUID FUEL SKID
M619	.5"	NPT	WATER RETURN TO CUSTOMER TANK

NOTES:

1. WATER FLUSH LIQUID FUEL SKID WEIGHT:
DRY:
2. DIMENSIONS IN MILLIMETERS.



WATER FLUSH / LIQUID FUEL SKID



Ø22
4 places

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UNIGRAPHICS DRAWING
 STANDARD PRODUCT
 YES, SEE TA-7B-2 NO
 ENGR. 2: PPH
 ENGR. 1: RD
 APPR. BY: RD
 CHKD. BY: KMD
 DRAWN BY: KDR
 DWG. DATE: 29JUN07

1	22827.05 WAS SHT 4 OF 5.	10JUL07
REV NO	ECO NO / DESCRIPTION	DATE
REVISION HISTORY		
ISSUE	M.A007.01	80A00701
UNIT OUTLINE AUXILIARY EQUIPMENT		
SIZE	GED00010890	REV 2
A1		
SCALE:		SHEET: 4 OF: 4

ALL SHEETS ARE THE SAME REVISION STATUS.

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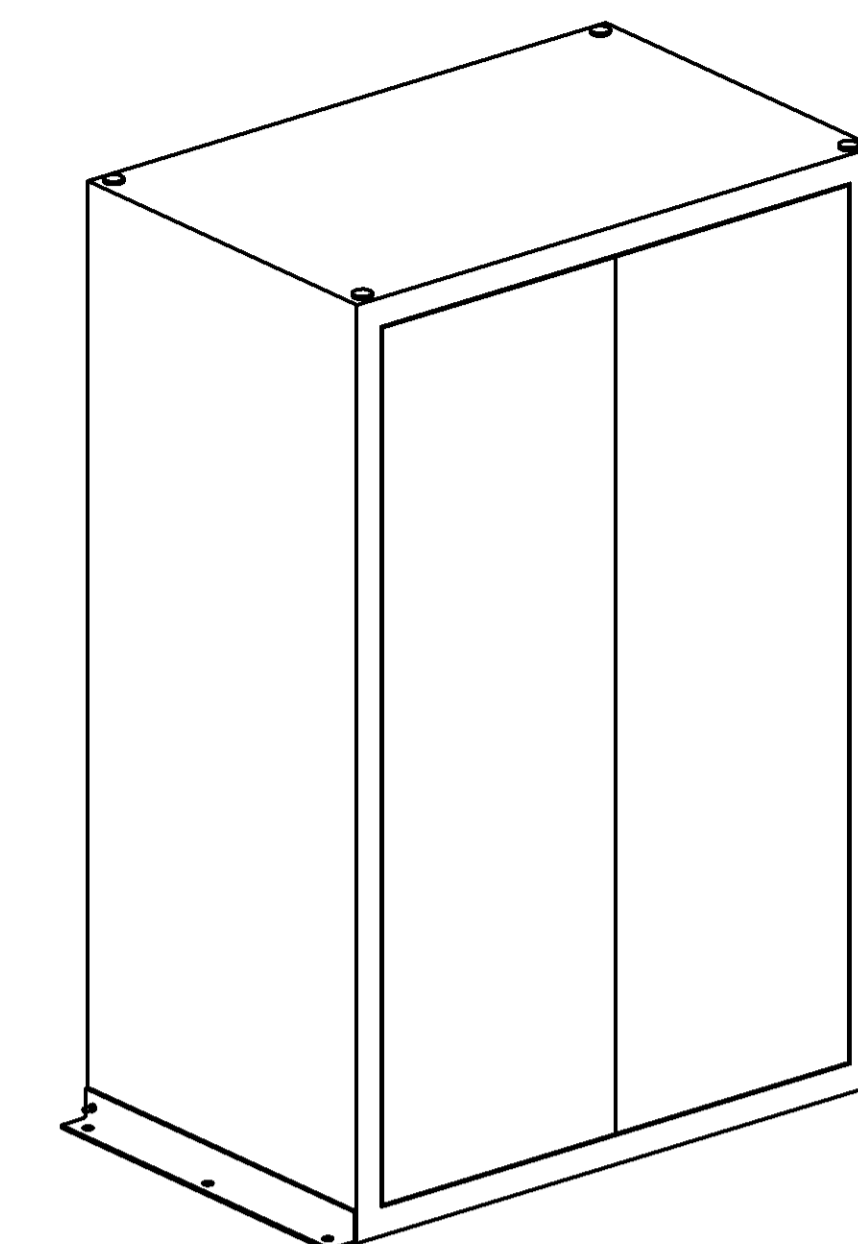
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CUSTOMER CONNECTIONS

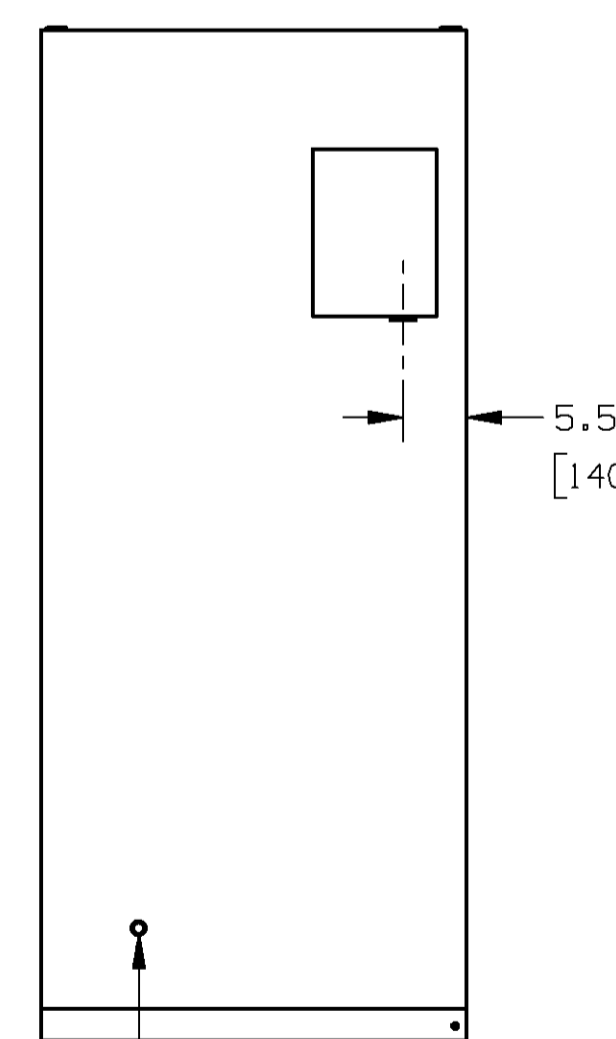
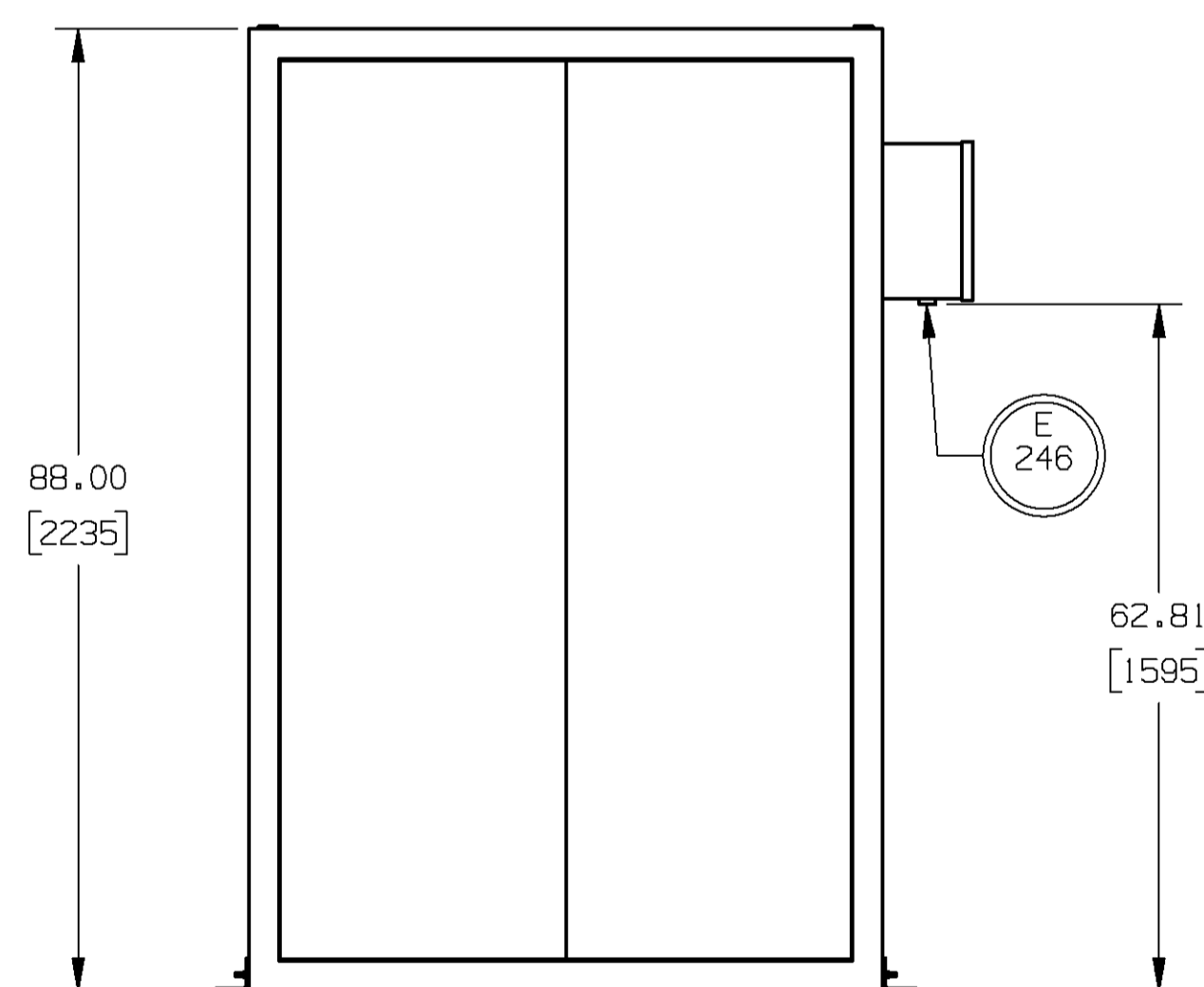
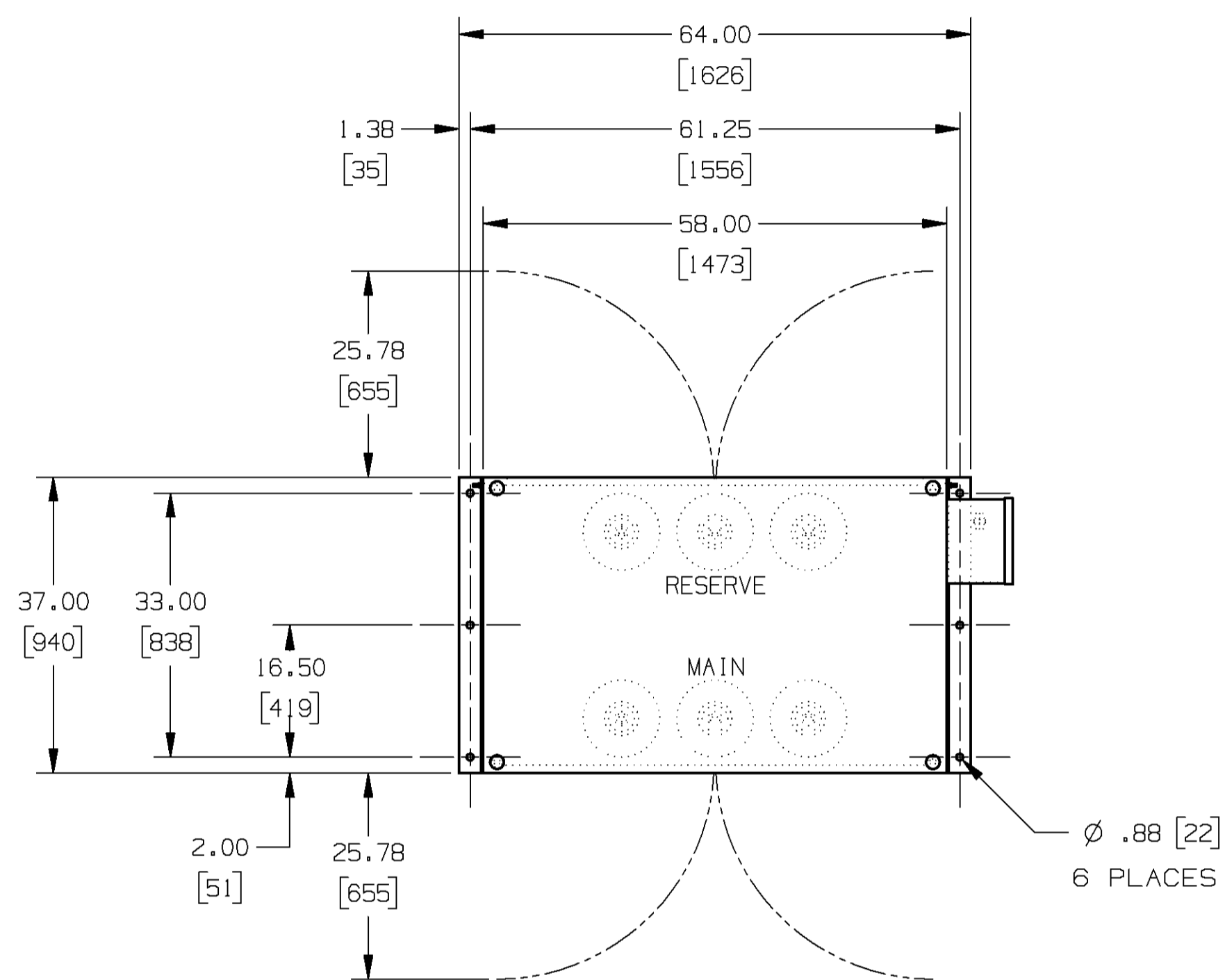
CNTN	SIZE	TYPE	SERVICE
E246	-	-	AC GENERATOR CO2 ENCLOSURE HEATER
E321	-	-	FIRE & GAS LAN/24V AC GEN. CO2 ENCL. TO GT CO2 ENCL.

NOTES:

- AC GEN CO2 CABINET WEIGHT:
DRY: 3501 lbs [1588 kg]
- DIMENSIONS IN INCHES [MILLIMETERS].



AC GENERATOR CO2 CABINET



1" NPT
FIRE SUPPRESSION CONNECTION
BY ROLLS-ROYCE

THIRD ANGLE PROJECTION

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UNIGRAPHICS
DRAWING

STANDARD PRODUCT

YES, SEE TA-7B-2 NO

ENGR. 2: PPH
ENGR. 1: NC
APPR. BY: NC
CHKD. BY: RE-J
DRAWN BY: KDF
DWG. DATE: 09MAR07

REV NO	ECO NO / DESCRIPTION	DATE	BY
ISSUE	M.A168.01	80A16801,02	



ROLLS-ROYCE ENERGY SYSTEMS, INC.
MOUNT VERNON OHIO 43050 USA

ROLLS-ROYCE POWER ENGINEERING PLC
BOOTHLEY, MERSEYSIDE L30 4JZ ENGLAND

UNIT OUTLINE
AUXILIARY EQUIPMENT

SIZE: A1
GED00008874
REV: 1

SCALE: SHEET: 3 OF: 5

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ALL SHEETS ARE THE SAME REVISION STATUS.