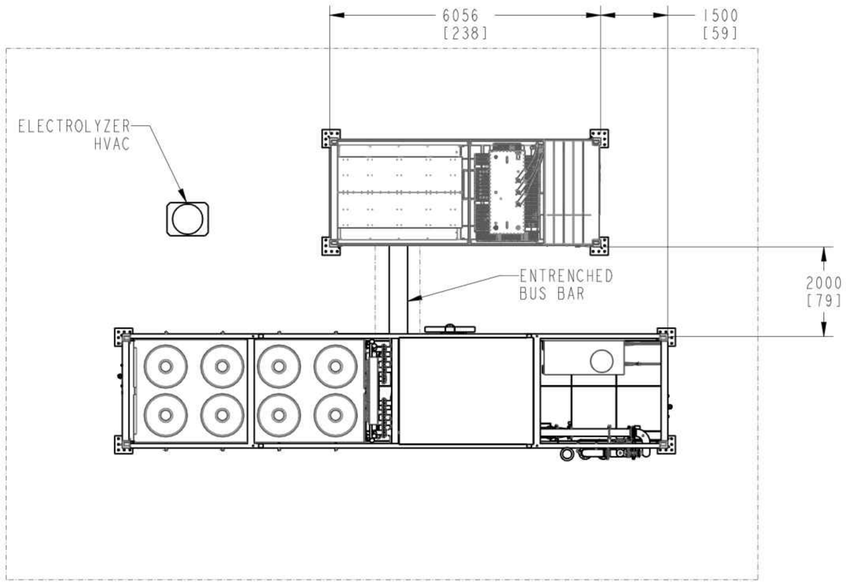
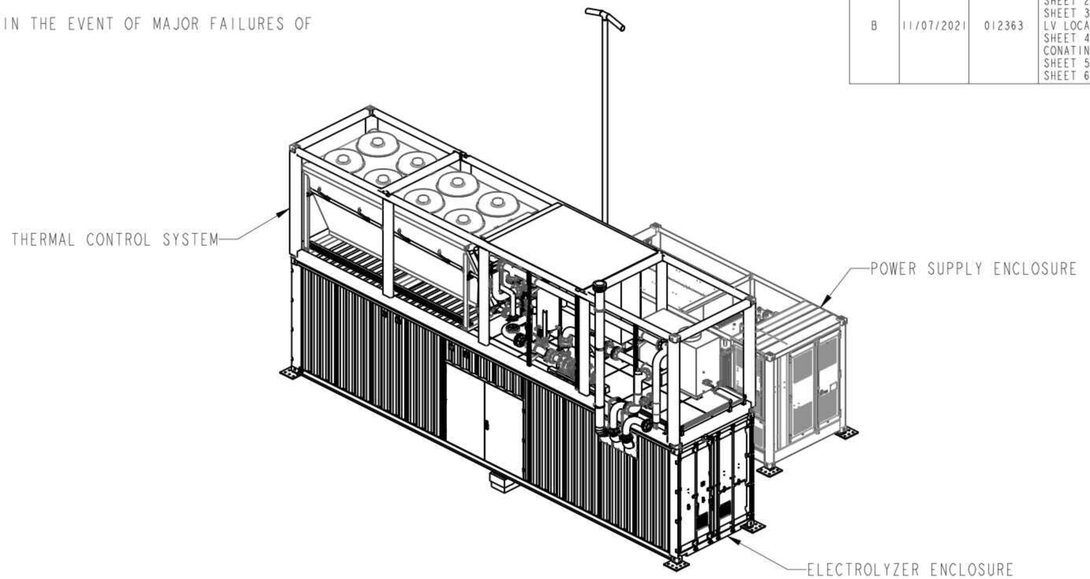
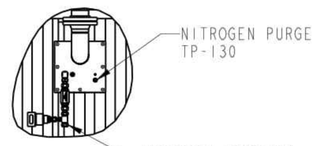
NOTES:
1. ALL DIMENSIONS ARE IN DUAL DIMENSION FORMAT (MILLIMETER / INCHES). DIMENSIONS ARE REFERENCE ONLY.
2. THE CONFIGURATION AND LAYOUT ARE PRELIMINARY AND SUBJECT TO CHANGE. THERMAL CONTROL SYSTEM MAY VARY IN SIZE AND CONFIGURATION DEPENDING ON CUSTOMER REQUIRMENTS AND AMBIENT TEMPERATURE REQUIREMENTS.
3. CUSTOMER IS RESPONSIBLE TO COVER DC BUS TRENCH TO MEET LOCAL REQUIREMENTS.
4. 6m RECOMMENDED BEHIND POWER SUPPLY, CUSTOMER TO ACCEPT RESPONSIBILITY FOR ADDED COSTS FOR WARRANTY IN THE EVENT OF MAJOR FAILURES OF POWER SUPPLY EQUIPMENT DUE TO INADEQUATE CLEARANCES TO PERFORM REPAIRS.
5. CONCRETE SITE FLATNESS TOLERANCES SHALL BE 35/25 OR GREATER PER ACI-117-10.
6. HVAC UNIT POSITION IS NOTIONAL. FINAL PLACEMENT SUBJECT TO CUSTOMER SITE ARRANGEMENT.

DRW REV	DATE	ECR NO.	REVISIONS	INITIAL
A	08/04/2021	012264	INITIAL PRODUCTION RELEASE	SS
B	11/07/2021	012363	SHEET 1: UPDATED VIEWS, UPDATED TP/IP NUMBERS, ADDED DIMENSIONS SHEET 2: ADDED HATCHING KEY SHEET 3: UPDATED TP/IP NUMBERS, SHOWED MV AND LV LOCATIONS SHEET 4: UPDATED VIEWS, ADDED VIEW OF CONATINER ANCHOR PLATE. SHEET 5: NEW VIEWS OF H2 VENT AND OXYGEN VENT SHEET 6: UPDATED NOTE NUMBERS	SS

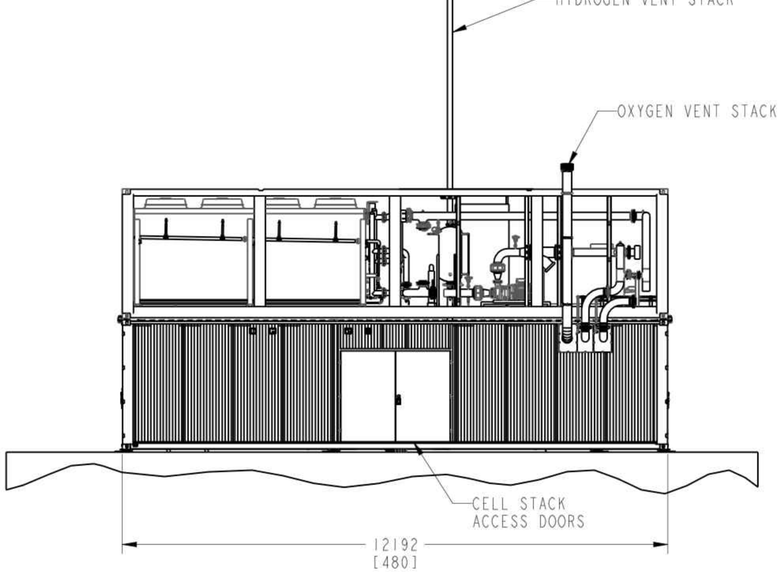


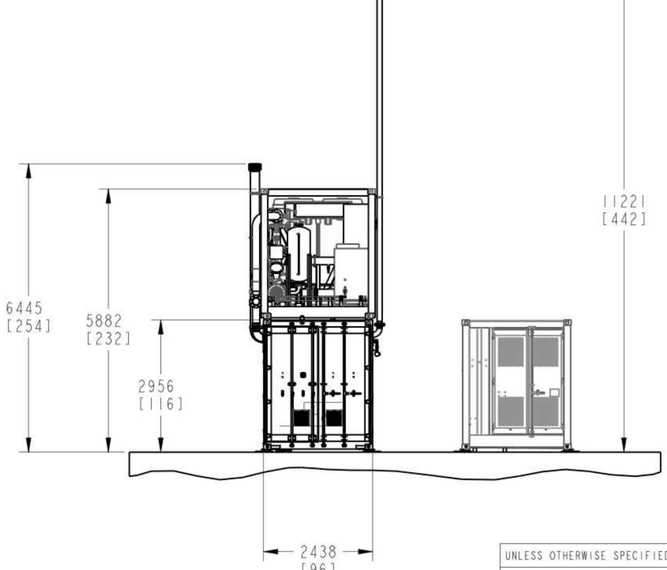


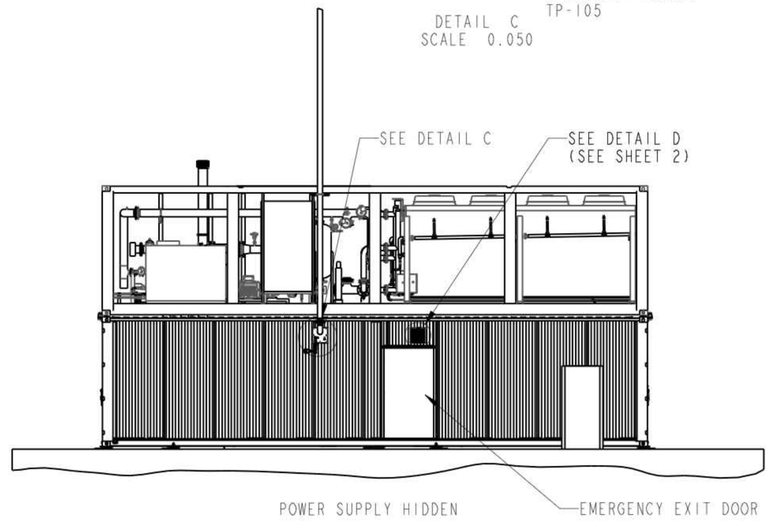
ISOMETRIC VIEW



DETAIL C
SCALE 0.050







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UNLESS OTHERWISE SPECIFIED, ALL DIMS ARE DUAL DIMENSIONS MM [INCH]

LINEAR DIMENSIONS 100 AND UNDER TO BE WITHIN +/-1.0mm
LINEAR DIMENSIONS OVER 100 AND UNDER 500 TO BE WITHIN +/-2.0mm
LINEAR DIMENSIONS OVER 500 TO BE WITHIN +/-3.0mm
ANGULAR TOLERANCES TO BE WITHIN +/-1 DEGREE

OVAL SYMBOL AROUND DIMENSION DENOTES QA INSPECTION

EXTRA DESC:

MTRL: | FIN:

SPEC:

nel

APPROVALS:
DRW: S.SALEH
DSN:
ENG:
MFG:
SYS:

GENERAL ARRANGEMENT, MC250, W/ ROOFTOP COOLING, STANDARD

SIZE D | GA-1000-0018 | REV B

SCALE: 0.015 | DO NOT SCALE DRAWING | VERSION:

RELEASE LEVEL: Released | SHEET 1 OF 6

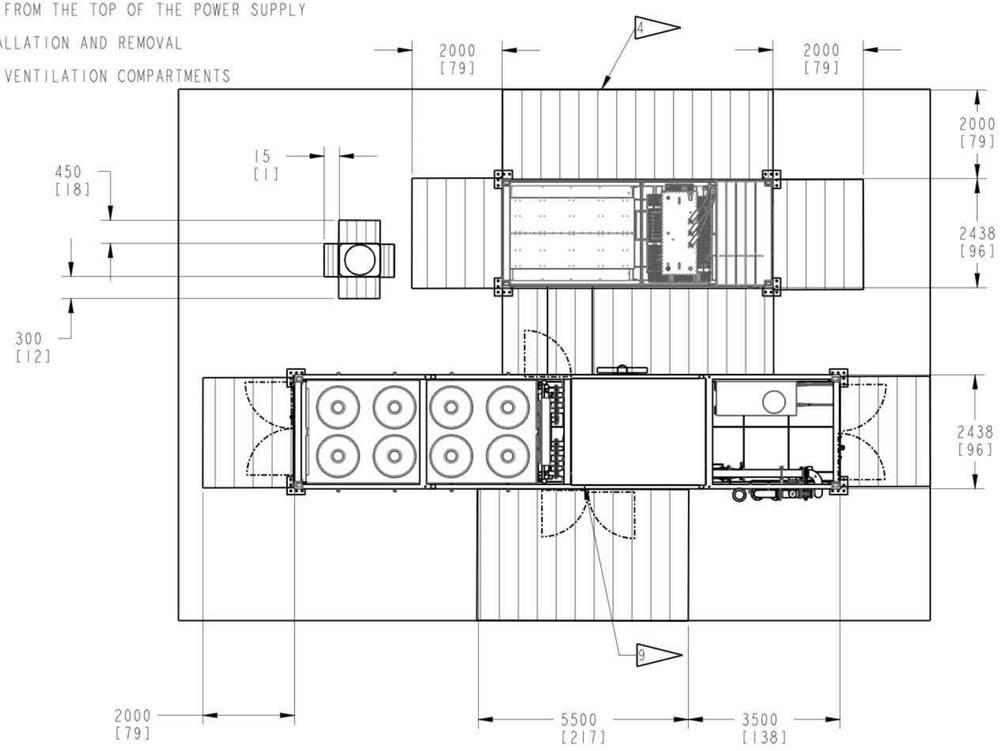
NOTES:

7. CLASSIFIED AREA AROUND HYDROGEN VENT AND AIR EXHAUST MUST BE VERIFIED TO MEET LOCAL CODES, MINIMUM 5.1m RADIUS CLASSIFIED AREA AROUND HYDROGEN VENT

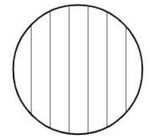
8. OVERHAUL AND MAJOR REPAIR REQUIRES LIFTING LARGE COMPONENTS FROM THE TOP OF THE POWER SUPPLY

9. NARROW AISLE FORKLIFT MAY BE REQUIRED FOR CELL STACK INSTALLATION AND REMOVAL

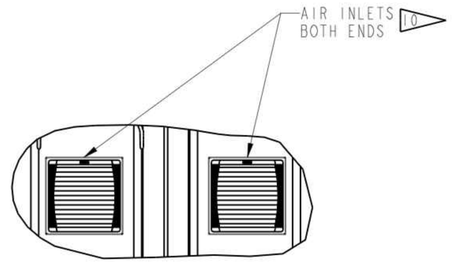
10. NONHAZARDOUS (NON-CLASSIFIED) AIR FOR ALL AIR INTAKES AND VENTILATION COMPARTMENTS



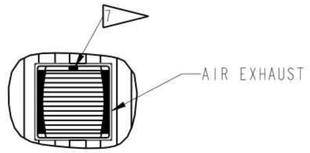
KEEP OUT ZONE HATCHING



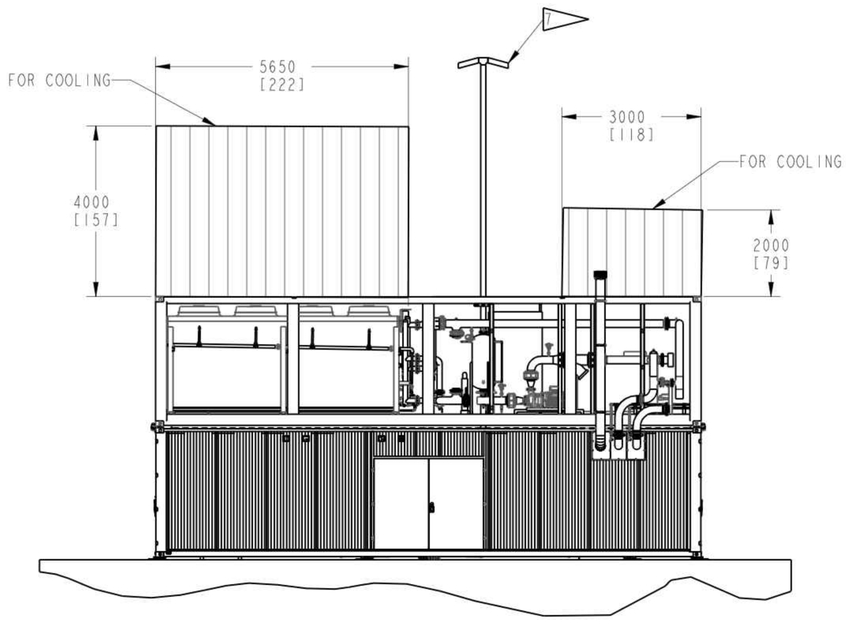
MINIMUM KEEP OUT ZONES
FOR OPERATION ONLY

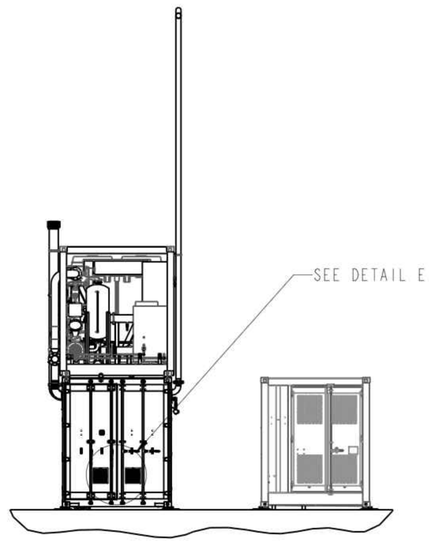


DETAIL E
SCALE 0.075



DETAIL D
SCALE 0.075





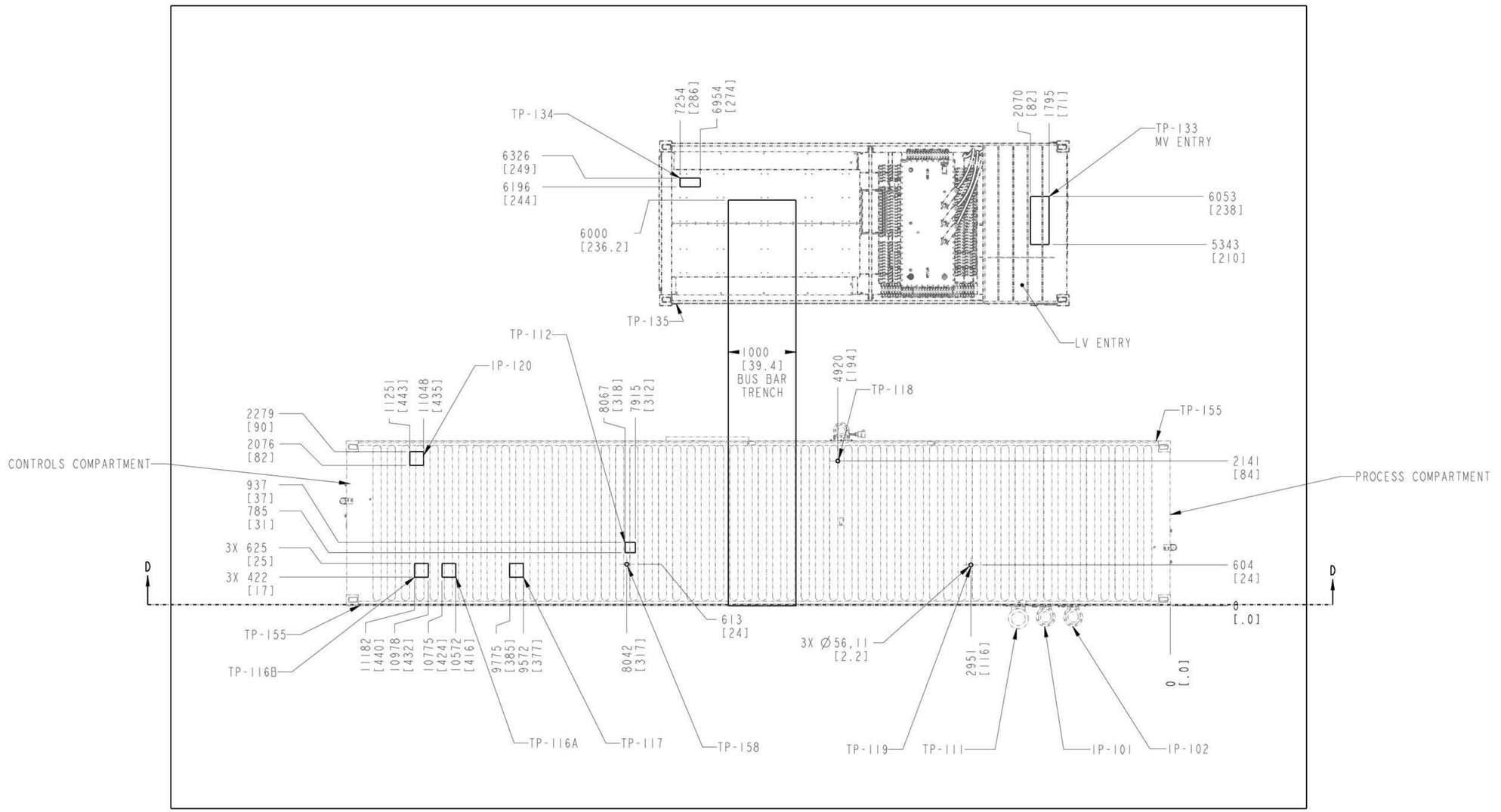
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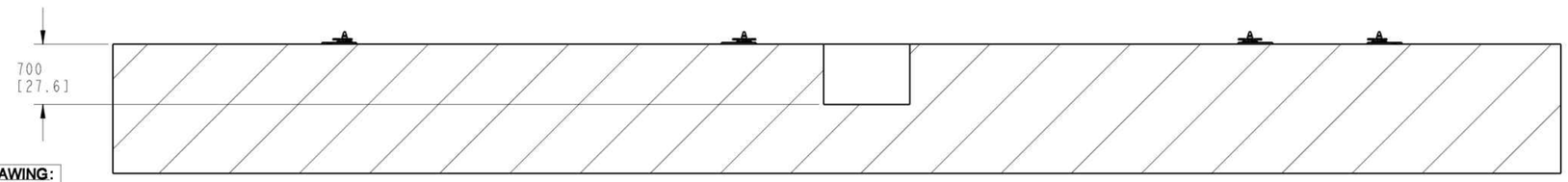
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GENERAL ARRANGEMENT, MC250, W/ ROOFTOP COOLING, STANDARD

SIZE		REV
D	GA-1000-0018	B
SCALE: 0.015	DO NOT SCALE DRAWING	VERSION: 16+
RELEASE LEVEL: Released		SHEET 2 OF 6



TOP VIEW
(GROUND PENETRATIONS)



SECTION D-D

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GENERAL ARRANGEMENT, MC250, W/ ROOFTOP COOLING, STANDARD

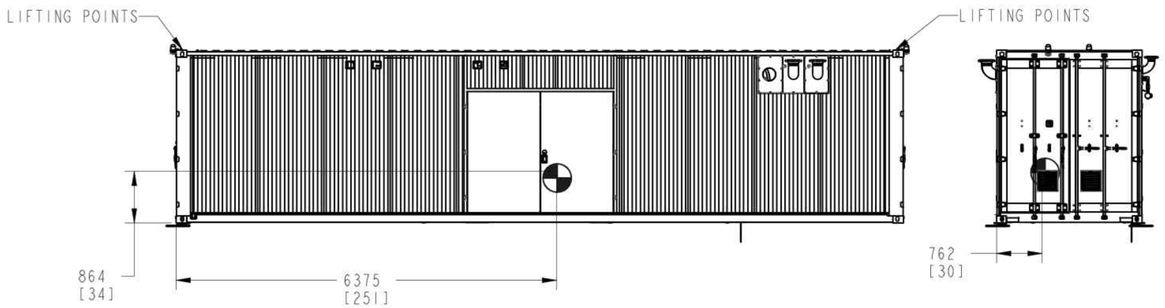
SIZE		REV
D	GA-1000-0018	B
SCALE: 0.030	DO NOT SCALE DRAWING	VERSION: 16+
RELEASE LEVEL: Released		SHEET 3 OF 6

CONTAINER INTERLOCKS REQUIRED FOR STACKED CONTAINERS.

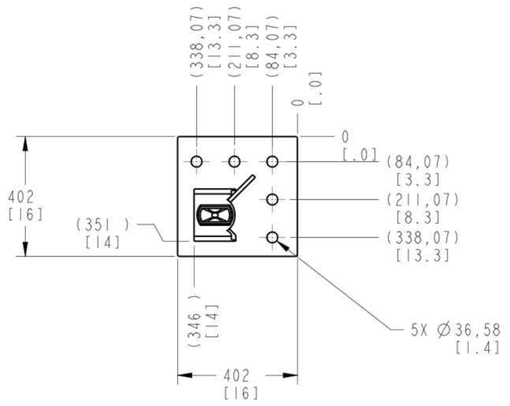
STACKED CONTAINERS MUST BE SECURED TO PAD FOR WINDS OVER 17.8M/S (40MPH)

13. FOR THERMAL CONTROL SYSTEM INSTALLATION, REVIEW DETAILED DRAWING, PER PROJECT

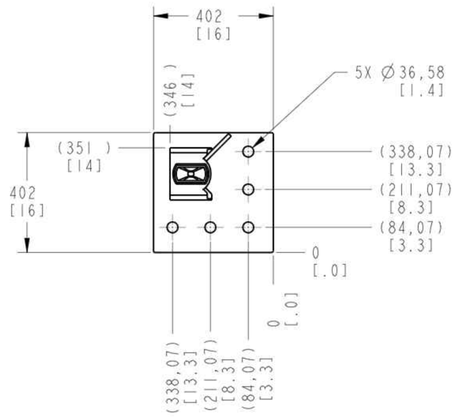
14. FOR HVAC ANCHORING AND LIFTING REVIEW DETAILED DRAWING, PER PROJECT



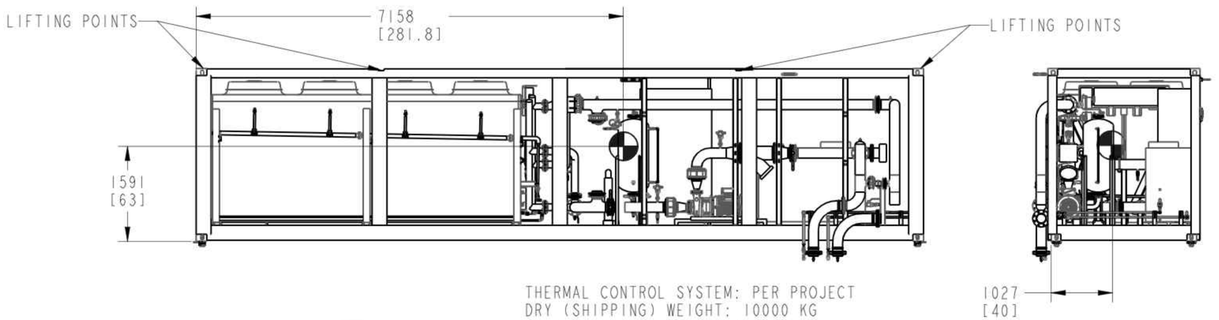
ELECTROLYZER ENCLOSURE
DRY (SHIPPING) WEIGHT: 16000 KG
OPERATING WEIGHT: 20000 KG



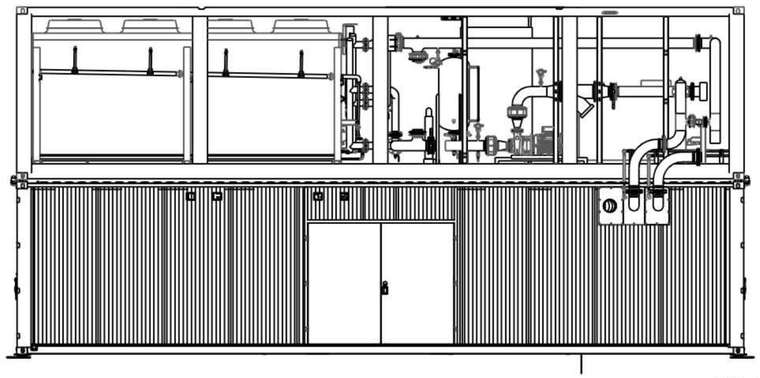
CONTAINER FLOOR MOUNT: SB1470.CP.RH
2 PER CONTAINER
SCALE 0.100



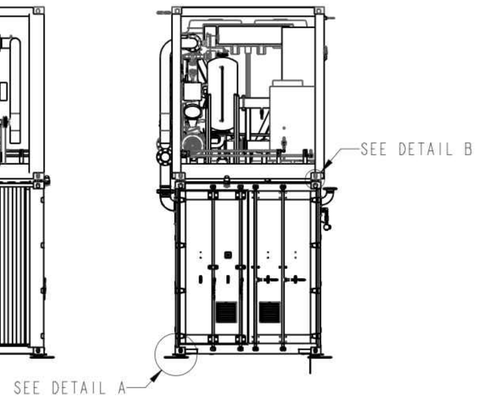
CONTAINER FLOOR MOUNT: SB1470.CP.LH
2 PER CONTAINER
SCALE 0.100

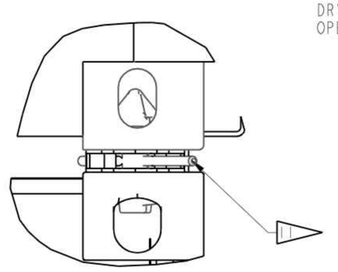


THERMAL CONTROL SYSTEM: PER PROJECT
DRY (SHIPPING) WEIGHT: 10000 KG
OPERATING WEIGHT: 11400 KG

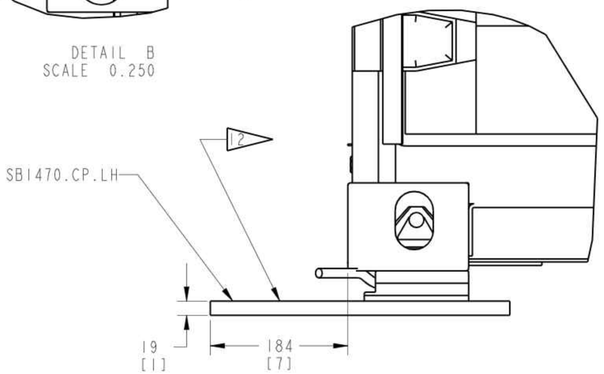


FINAL ASSEMBLY AT CUSTOMER SITE
ASSEMBLY IS NOT INTENDED FOR SINGLE LIFTING
NO COG REQUIRED





DETAIL B
SCALE 0.250



DETAIL A
SCALE 0.250

ELECTROLYZER AND THERMAL CONTROL SYSTEM

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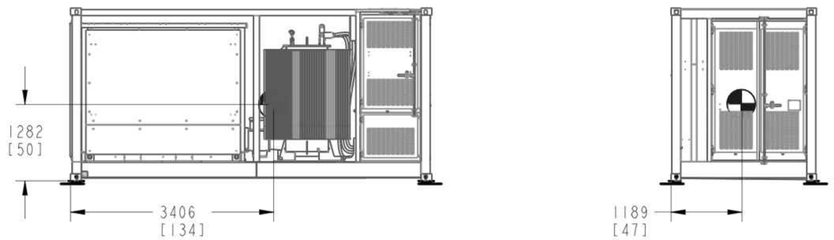
GENERAL ARRANGEMENT, MC250, W/ ROOFTOP COOLING, STANDARD

SIZE		REV
D	GA-1000-0018	B
SCALE: 0.020	DO NOT SCALE DRAWING	VERSION: 16+
RELEASE LEVEL: Released		SHEET 4 OF 6

15. FOR POWER SUPPLY ANCHORING AND LIFTING REVIEW DETAILED DRAWING, PER PROJECT

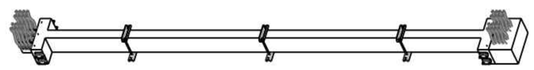
16. FOR BUSDUCT ANCHORING REVIEW DRAWING 54-1016-0004

17. HYDROGEN AND OXYGEN VENTS TO BE SHIPPED LOOSE INSIDE ELECTROLYZER ENCLOSURE

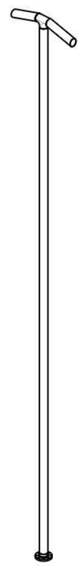


SCALE 0.020

POWER SUPPLY ENCLOSURE: PER PROJECT
SHIPPING/OPERATING WEIGHT: 5350 KG

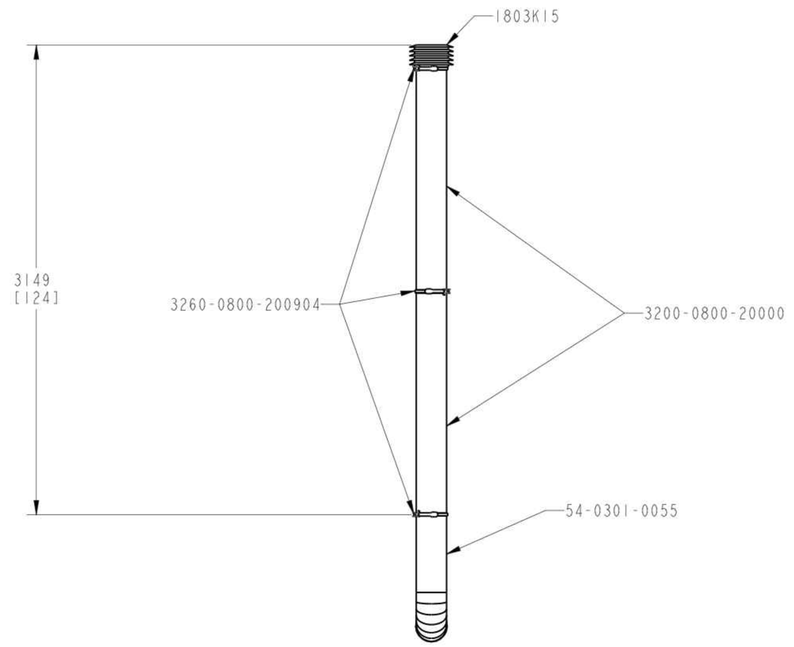


BUS BAR: 54-1016-0004
OVERALL LENGTH 4625mm
SHIPPING/OPERATING WEIGHT: 598 KG



SCALE 0.025

HYDROGEN VENT: 54-0301-0054
OVERALL LENGTH 8373mm
SHIPPING/OPERATING WEIGHT: 82 KG



SCALE 0.050

OXYGEN VENT
SHIPPING/OPERATING WEIGHT: 20 KG

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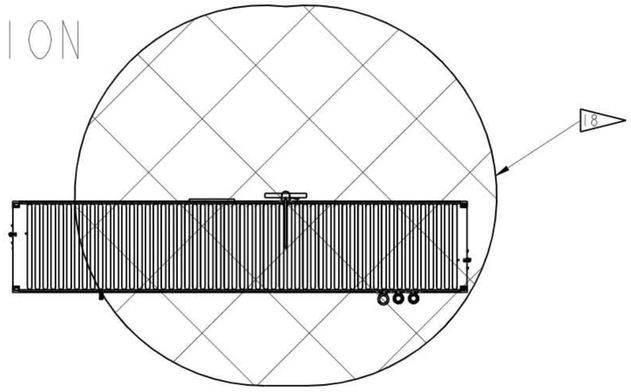
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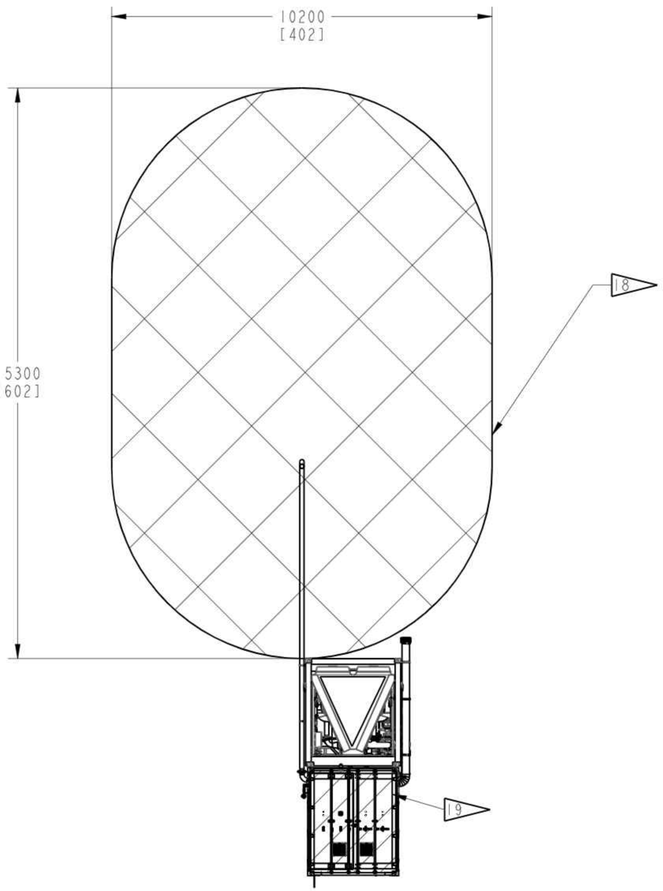
GENERAL ARRANGEMENT, MC250, W/ ROOFTOP COOLING, STANDARD

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SCALE: 0.015	DO NOT SCALE DRAWING	VERSION: 16+
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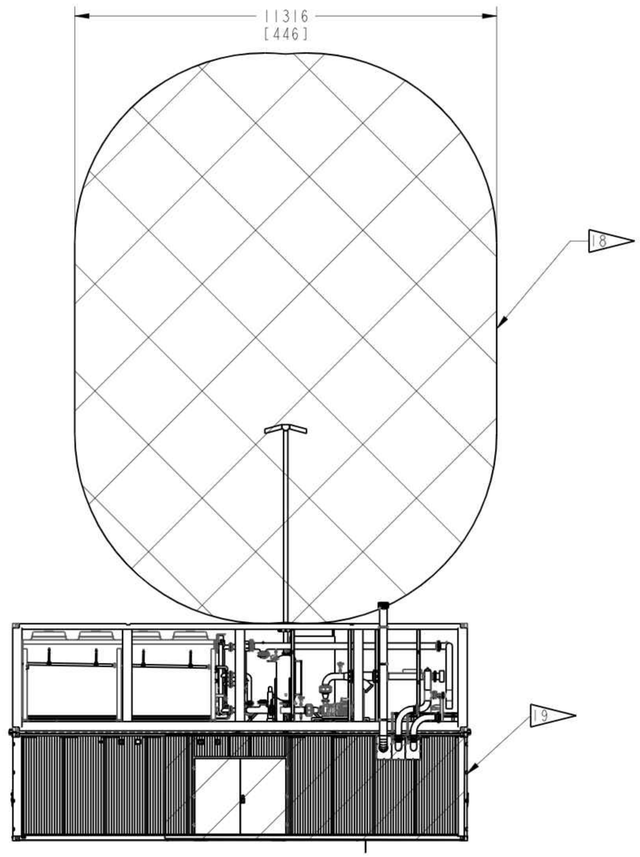
AREA CLASSIFICATION



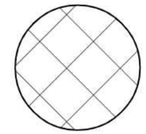
TOP



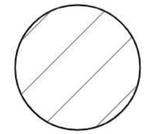
LEFT



FRONT



ZONE 1



ZONE 2

NOTES:

16 HAZARDOUS AREA: ZONE 1, CALCULATED PER IEC 60079-10-1

17 HAZARDOUS AREA: ZONE 2
(IN THE PROCESS COMPARTMENT INSIDE THE CONTAINER)

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GENERAL ARRANGMENT, MC250, W/ ROOFTOP COOLING, STANDARD

SIZE		REV
D	GA-1000-0018	B
SCALE: 0.013	DO NOT SCALE DRAWING	VERSION: 16
RELEASE LEVEL: Released		SHEET 6 OF 6