

DRAWINGS PREPARED FOR: EPP
PROJECT NAME:
LOCATION: FRIEND, NE
GLOBAL POWER COMPONENTS JOB# 45-30695

DESIGN NOTES:

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED IN ACCORDANCE WITH:
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL MECHANICAL CODE
2009 INTERNATIONAL ENERGY CONSERVATION CODE
2017 NATIONAL ELECTRICAL CODE
ALL CODES CITED ABOVE INCLUDE NEBRASKA STATE AMENDMENTS

ROOF LIVE LOADS: 30 PSF
ULTIMATE WIND LOAD: 120 MPH
FLOOR LOADING: 250 PSF
BASE DEFLECTION: L/240
BUILDING RISK CATEGORY: III
OCCUPANCY CLASSIFICATION: S2
BUILDING CONSTRUCTION TYPE: V-B
SEISMIC DESIGN CATEGORY: B
SEISMIC SPECTRAL RESPONSE ACCELERATIONS: "Ss": 0.126g "S1": 0.047g
SITE CLASS: D
GROUND SNOW LOAD: 30 PSF
AREA: 396 SQ.FT
HEIGHT: 12' - 2 7/8"
DESIGN OCCUPANT LOAD: 1
FIRE SEPARATION DISTANCE: >=10FT
NUMBER OF STORIES: 1

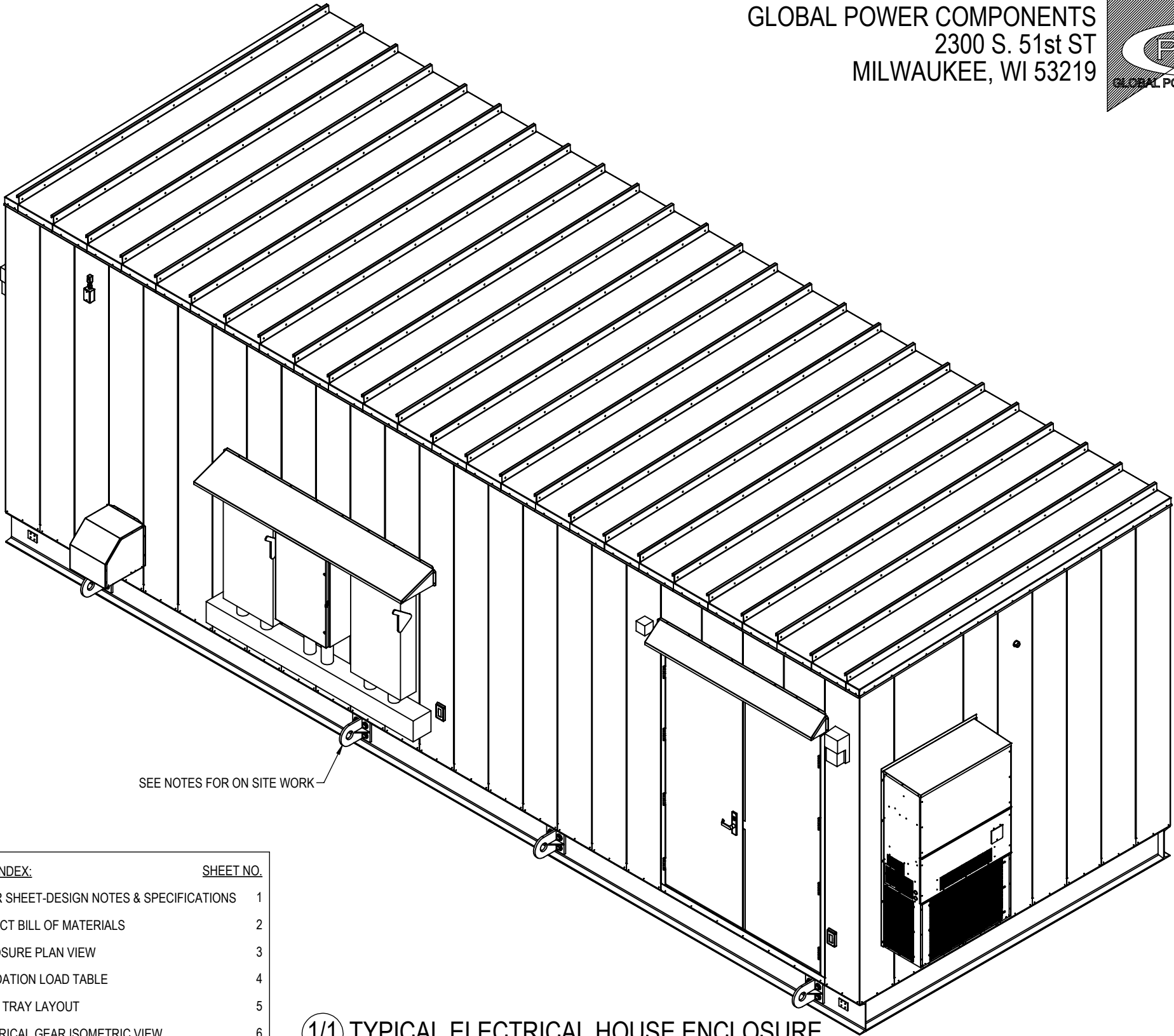
WEIGHTS:
ENCLOSURE: 17745 LBS
LIFTBASE: 10922 LBS
ELECTRICAL GEAR: 15672 LBS
TOTAL WEIGHT: 44339 LBS

GENERAL NOTES:

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 INTERNATIONAL BUILDING CODE
- STEEL & ALUMINUM ENCLOSURE SHALL CONFORM TO THE DETAILS SHOWN HEREIN. ALL OTHER CONNECTIONS AND DETAILS NOT ILLUSTRATED IN THIS DOCUMENT SHALL CONFORM TO THE TYPICAL ASSEMBLY AS SET FORTH BY MANUFACTURER.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ALL SHEET STEEL & C-CHANNEL SHALL BE ASTM A36 MIN. OR ASTM 1010 MIN. OR A653CS STEEL TESTING OF A653CS MATERIAL TO BE DONE BY THIRD PARTY AGENCY ALL TUBE STEEL SHALL BE A500 GRADE B.
- ALL FASTENERS TO BE #14 GREATER SAE GRADE 5 CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH 5.1.1C, SPECIFICATIONS FOR ALUM. STRUCTURES-SECTION 1, THE ALUMINUM ASSOCIATION, INC., & APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- WALL CONSTRUCTION UTILIZES 14GA G90 FORMED GALVANIZED STEEL PANELS WITH TYPICAL SEAMS AT 16" OC UNLESS OTHERWISE. A +/-3" ALLOWABLE TOLERANCE MAY BE USED FOR THE SPACING OF PANEL SEAMS ILLUSTRATED HEREIN FOR CONSTRUCTABILITY AND INTERIOR OBSTRUCTIONS LOCATED WITHIN THE ENCLOSURE.
- FOR STEEL MEMBERS ALL ANCHORS SHALL BE SPACED WITH 3x DIAMETER MIN. SPACING TO ADJACENT ANCHORS AND 3x DIAMETER MIN. END DISTANCE. FOR ALUMINUM MEMBERS ALL ANCHORS SHALL BE SPACED WITH 2x DIAMETER END DISTANCE AND 2.5x DIAMETER MIN. SPACING TO ADJACENT ANCHORS, UNLESS NOTED OTHERWISE.
- ALL EXTRUDED MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6063-T5 OR BETTER. ALL ALUMINUM FORMED PANELS SHALL BE 3003-H14 MIN. ALUMINUM. ALL CONCRETE SUBSTRATES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AS VERIFIED BY OTHERS U.N.O.
- ALL WELDING IS IN CONFORMANCE WITH AWS D1.1 BY QUALIFIED WELDERS. ALL DIMENSIONS SHOWN HEREIN REPRESENT UNITS IN INCHES, UNLESS OTHERWISE NOTED
- MINIMUM DESIGNED TEMP OF 75° FOR COOLING. HVAC SYSTEM DESIGNED FOR N + 1 W/ (1) PRIMARY UNITS & (1) SECNDARY UNIT TO PERFORM COOLING REQUIREMENTS.

SPECIAL CONDITIONS AND LIMITATIONS:

- ACCESSIBILITY TO THIS BUILDING, INCLUDING PARKING IS TO BE PROVIDED BY OTHERS AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL BUILDING CODES.
 - BATTERIES ARE TO BE SUPPLIED AND INSTALLED PER IFC 608 BY OTHERS ON-SITE AND ARE SUBJECT TO INSPECTION AND APPROVAL OF THE LOCAL JURISDICTION
- ON SITE WORK:
- HOIST STRUCTURE IS OUTSIDE THE SCOPE OF THIS CERTIFICATION AND SHALL BE DESIGNED BY OTHERS
 - ALL SITE WORK SUCH AS FOUNDATION AND ANCHORAGE, GRADING, ELECTRICAL UTILITY CONNECTION, GROUNDING, HVAC UNIT REINSTALLATION, GUTTERS, ETC. ARE TO BE INSTALLED BY OTHERS IN ACCORDANCE WITH LOCAL BUILDING CODES AND ARE SUBJECT TO APPROVAL OF LOCAL OFFICIALIST



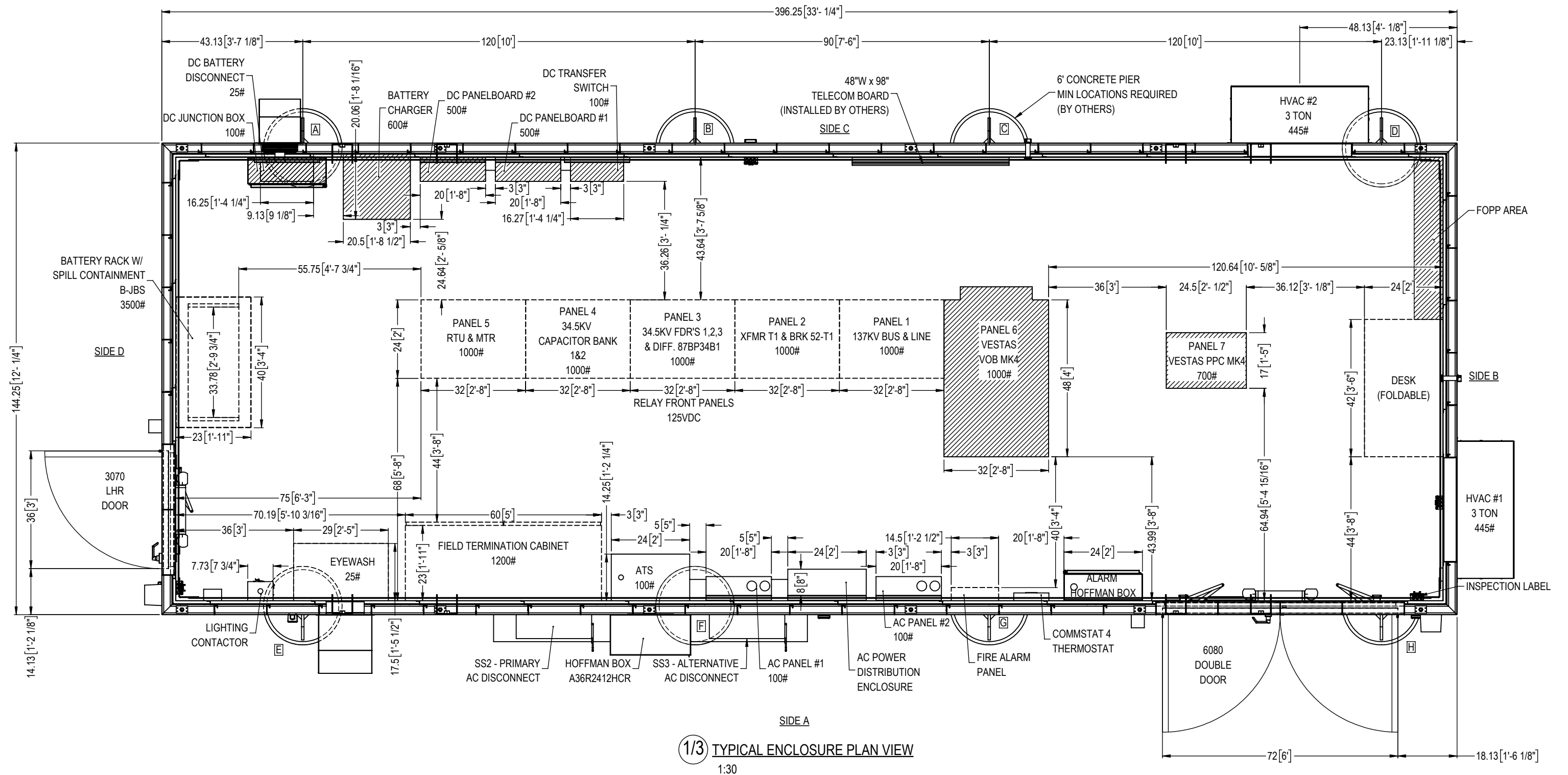
SEE NOTES FOR ON SITE WORK

PLAN INDEX:	SHEET NO.
COVER SHEET-DESIGN NOTES & SPECIFICATIONS	1
PROJECT BILL OF MATERIALS	2
ENCLOSURE PLAN VIEW	3
FOUNDATION LOAD TABLE	4
CABLE TRAY LAYOUT	5
ELECTRICAL GEAR ISOMETRIC VIEW	6
EXTERIOR ELEVATION VIEW	7-8
LIFTBASE ELEVATION VIEW	9-11
SHIPPING DETAIL	12
INTERIOR ELEVATION VIEW	13-15
GENERAL CONSTRUCTION DETAILS	16-19
ELECTRICAL PLAN VIEW	E1
GROUNDING DETAL	E2
ELECTRICAL WIRING DIAGRAM	E3-E8

1/1 TYPICAL ELECTRICAL HOUSE ENCLOSURE
EQUIPMENT SHELTER
NTS

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	6/6/18	SSP
1	PEI REDLINES	6/15/18	RCR
2	CUSTOMER REDLINES	6/21/18	SSP
3	ISSUED FOR CONSTRUCTION	6/27/18	SSP
4	CHANGED HVAC HEATING FROM 5kW TO 10kW	7/5/18	RAS
5	AS BUILT	8/9/18	AWM

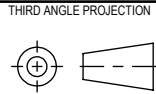
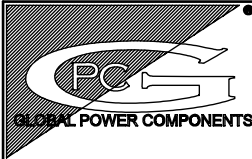
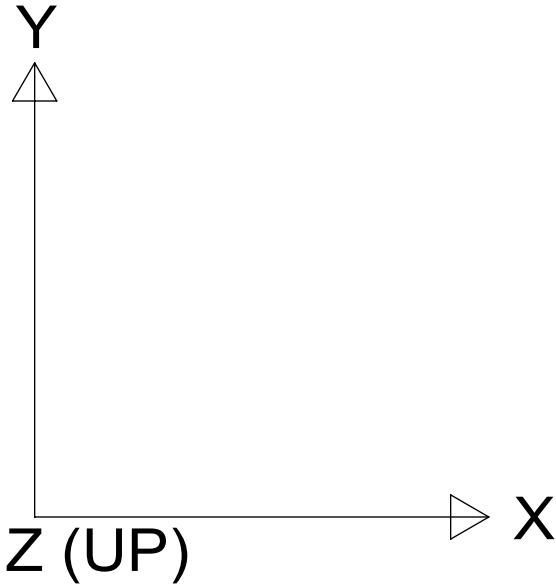
NOTES:
1. INTERIOR CEILING HEIGHT AT 10 FT.
2. HATCHED EQUIPMENT FIELD INSTALLED



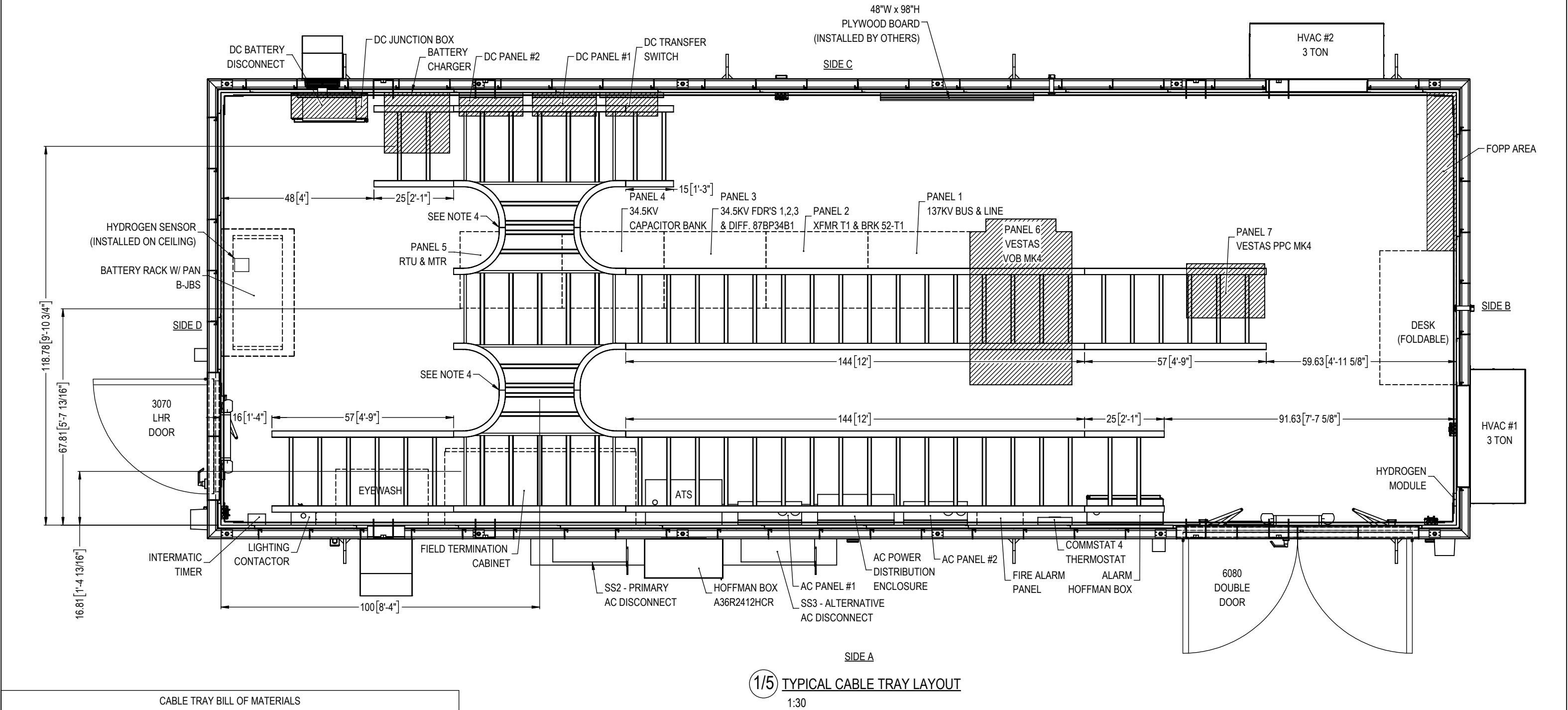
		SUPPORT (LBS)								
		Direction	A	B	C	D	E	F	G	H
MIN DEAD	GRAVITY LOAD	(Z)	-3733	-3801	-3801	-3009	-3733	-3801	-3801	-3009
MAX DEAD	GRAVITY LOAD	(Z)	-5774	-5878	-5878	-4654	-5774	-5878	-5878	-4654
FLOOR LIVE	GRAVITY LOAD	(Z)	-12891	-13125	-13125	-10391	-12891	-13125	-13125	-10391
ROOF LIVE	GRAVITY LOAD	(Z)	-1547	-1575	-1575	-1247	-1547	-1575	-1575	-1247
ROOF SNOW	GRAVITY LOAD	(Z)	-1310	-1334	-1334	-1056	-1310	-1334	-1334	-1056
WIND LOAD	X DIRECTION	(X)	460	460	460	460	460	460	460	460
		(Z)	2073	1416	1416	-439	2073	1416	1416	-439
	Y DIRECTION	(Y)	2307	870	870	2141	2307	870	870	2141
		(Z)	-843	1849	1849	-1196	4476	1849	1849	4123
SEISMIC LOAD	X DIRECTION	(X)	491	491	491	491	491	491	491	491
		(Z)	699	158	158	-669	699	158	158	-669
	Y DIRECTION	(Y)	880	114	114	858	880	114	114	858
		(Z)	-1651	158	158	-1621	1651	158	158	1621

UNFACTORED LOADS ARE IN LBS AND ARE NOT COMBINED.
LOADS ACT AT THE BASE OF THE FLOOR STRUCTURE.
WIND AND SEISMIC LOADS ARE REVERSABLE.

+X IS IN THE LONGITUDINAL DIREACTION
+Z IS IN THE TRANSVERSE DIREACTION
+Y IS IN THE UPWARD DIREACTION



- NOTES:
1. INTERIOR CEILING HEIGHT AT 10 FT.
 2. HEIGHT TO BOTTOM OF CABLE TRAY 102"
 3. HATCHED EQUIPMENT FIELD INSTALLED
 4. CUT 1.5" OFF ENDS OF CABLE TRAY CROSS AND TEE SECTIONS IN LOCATIONS SHOWN



CABLE TRAY BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	PART NO.	QTY.	LENGTH
1	B-LINE 5" NEMA VE - ALUMINUM CABLE TRAY		1	
2	B-LINE 5" NEMA VE - ALUMINUM CABLE TRAY	6A-24-HT12	2	
3	B-LINE 5" NEMA VE - ALUMINUM CABLE TRAY	26A09-24-144	2	144.00
4	B-LINE 5" NEMA VE - ALUMINUM CABLE TRAY	26A09-24-144	1	15.00
5	B-LINE 5" NEMA VE - ALUMINUM CABLE TRAY	26A09-24-144	2	57.00
6	B-LINE 5" NEMA VE - ALUMINUM CABLE TRAY	26A09-24-144	2	25.00

5 OF 19

GLOBAL POWER COMPONENTS

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AS-BUILT

CUSTOMER I/D:
EPP
PROJECT NAME:
DRAWING REF:
XX

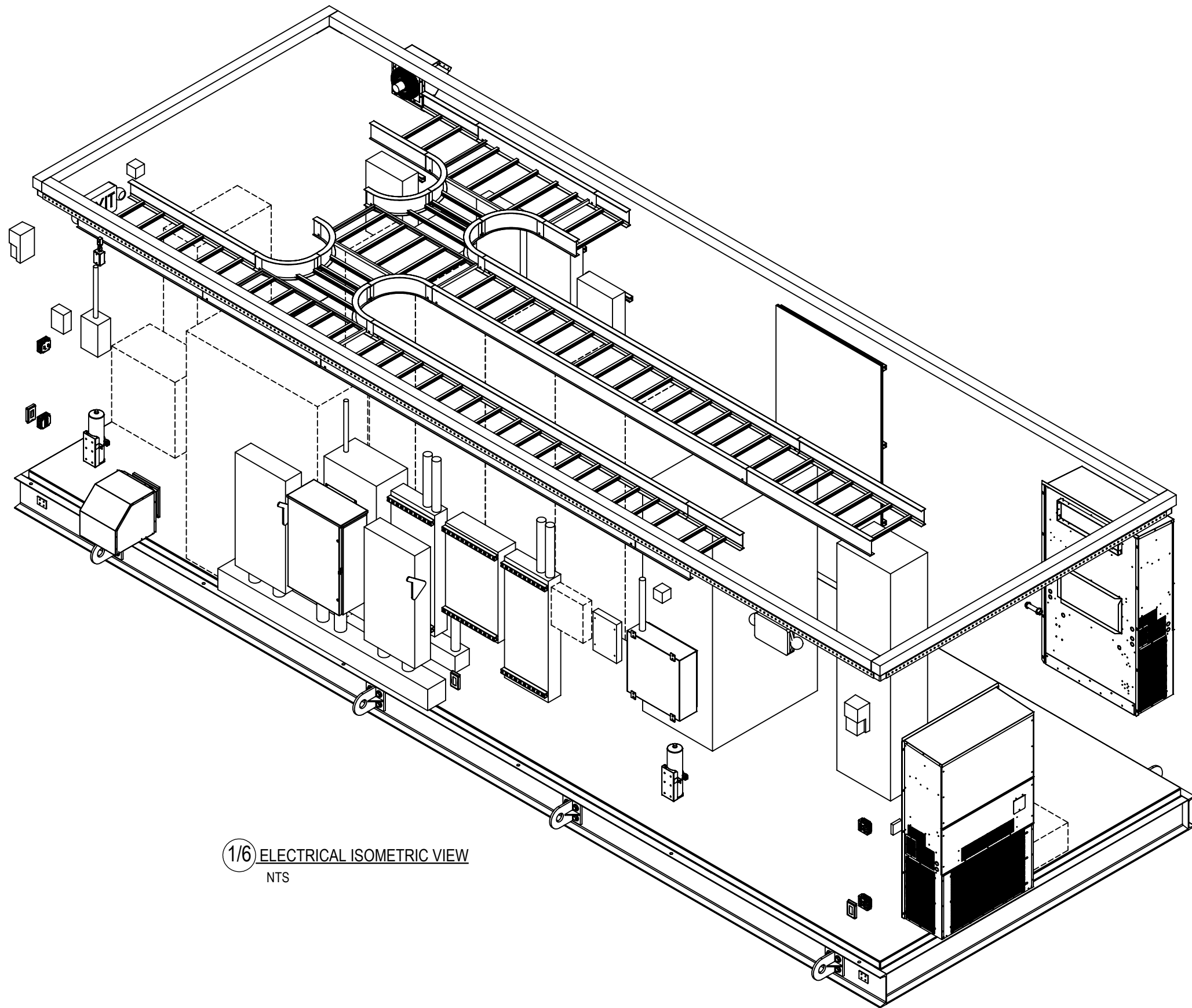
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
THE TOLERANCES ARE:
ONE PLACE .X ± .1
TWO PLACE .XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

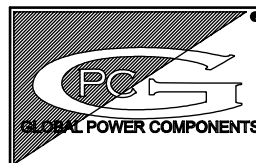
DRAWN BY
SSP
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

DATE
6/6/18

DESCRIPTION
CABLE TRAY LAYOUT
SIZE B DWG. NO. 45-30695
REV. 5



1/6 ELECTRICAL ISOMETRIC VIEW
NTS



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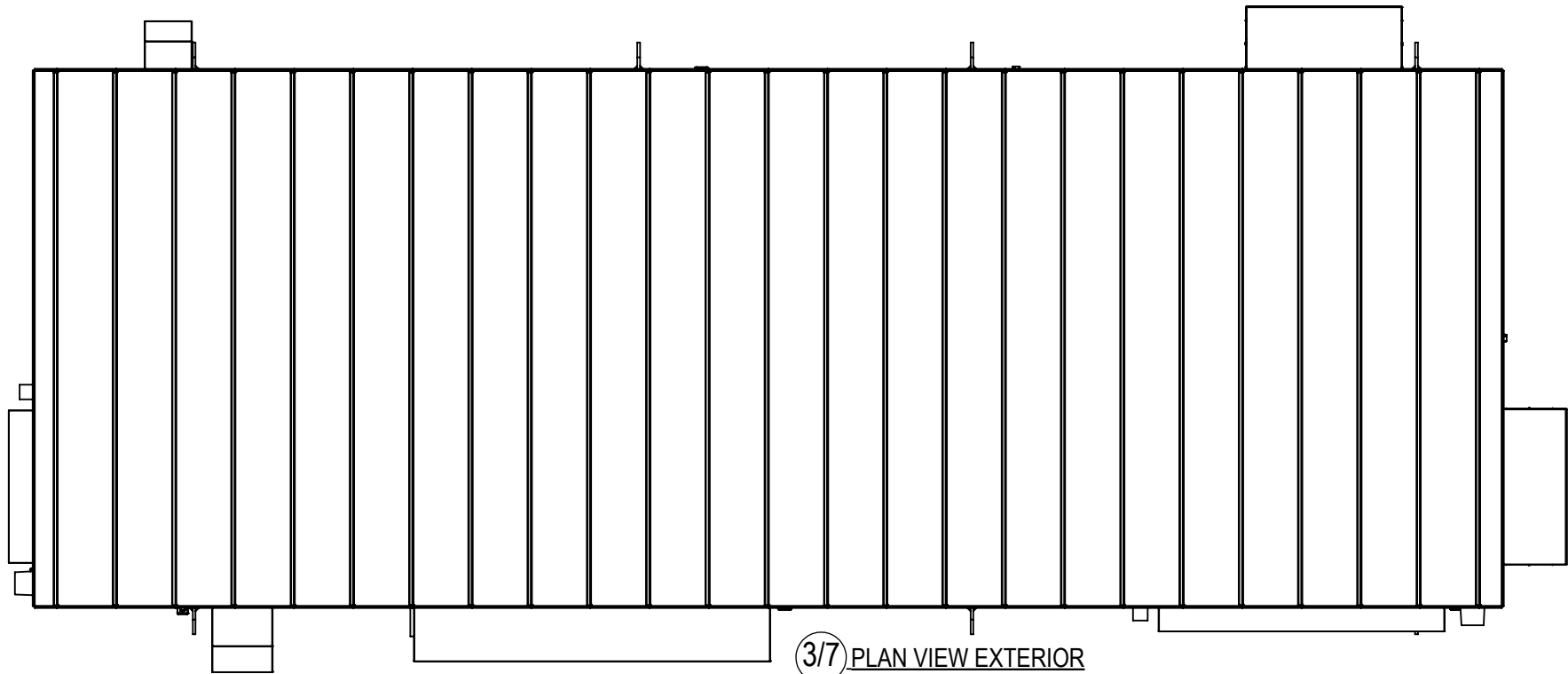
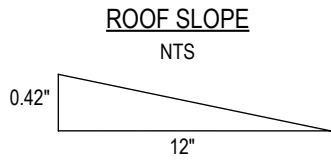
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TWO PLACE .XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

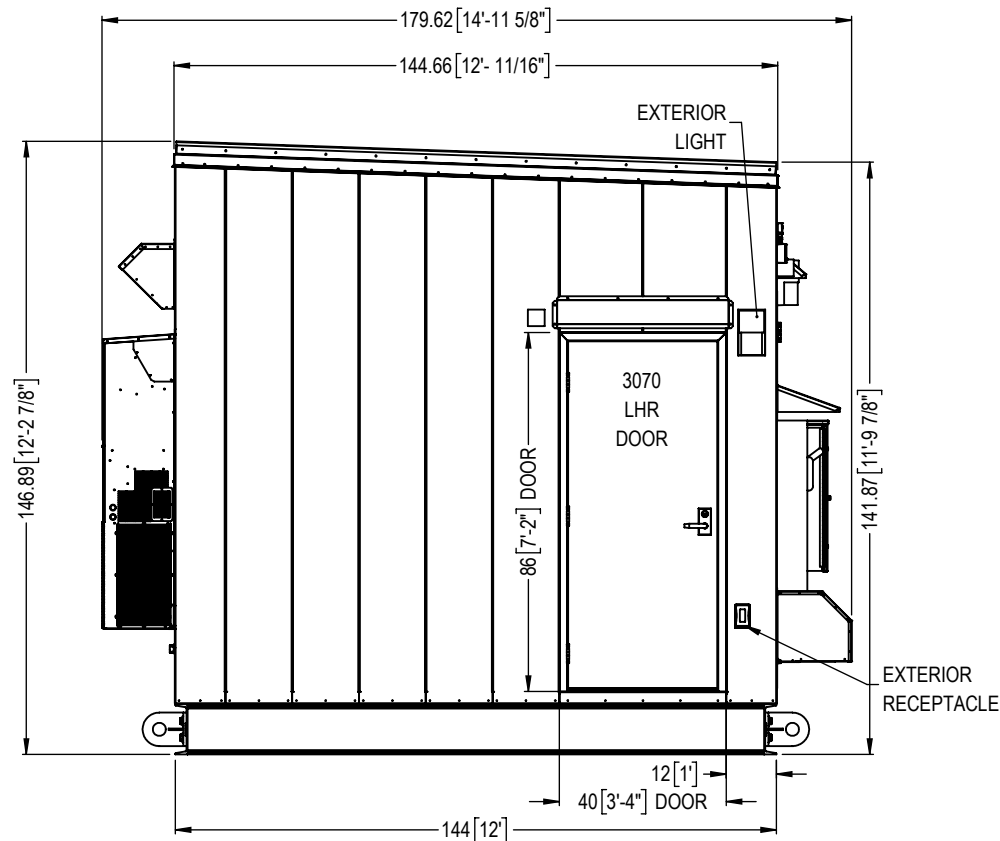
DRAWN BY SSP	DATE 6/6/18
MATERIAL VARIOUS CRS	
FINISH SEE NOTE	

DESCRIPTION ELECTRICAL ISOMETRIC VIEW	
SIZE B	DWG. NO. 45-30695
REV. 5	

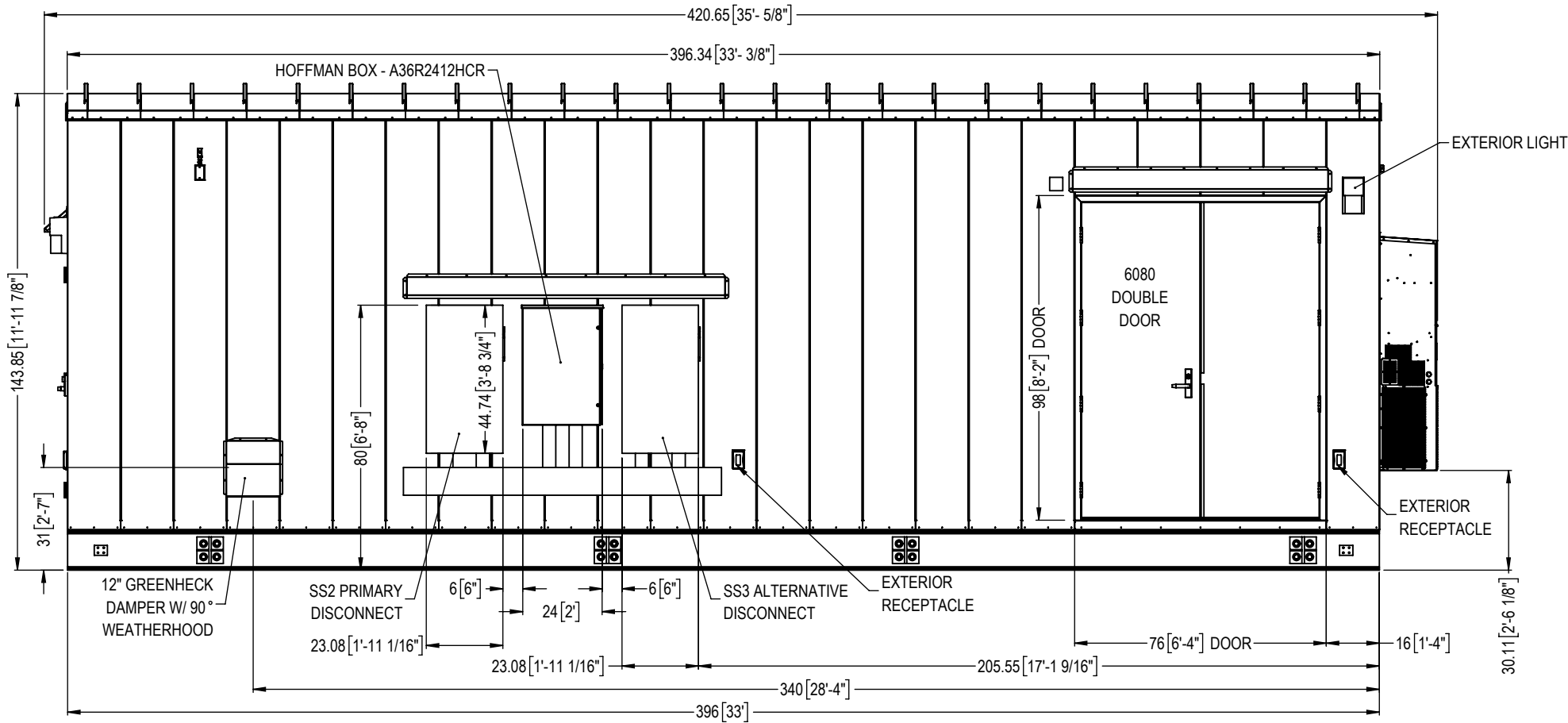
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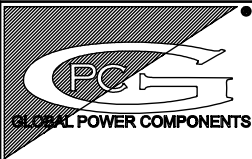
3/7 PLAN VIEW EXTERIOR
1:46



2/7 SIDE D EXTERIOR ELEVATION
1:46



1/7 SIDE A EXTERIOR ELEVATION
1:46

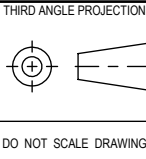


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CUSTOMER I/D:
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PROJECT NAME:
DRAWING REF:
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THE TOLERANCES ARE:
ONE PLACE .X ± .1
TWO PLACE .XX ± .06
ANGLE 2° ± 2°
HOLE DIA. ± .005



DO NOT SCALE DRAWING

DRAWN BY
SSP
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

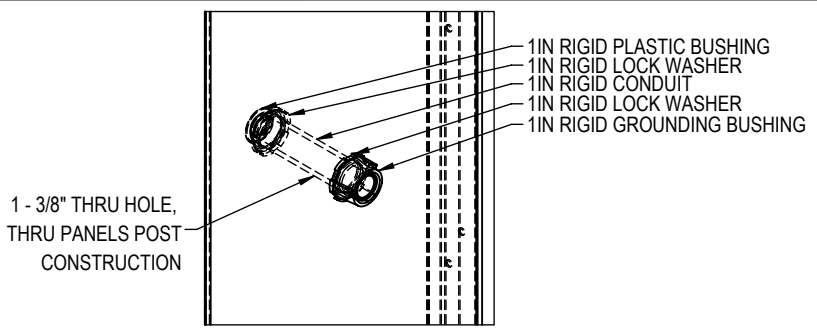
DATE
6/6/18

DESCRIPTION
EXTERIOR ELEVATION VIEWS

SIZE
B
DWG. NO.
45-30695

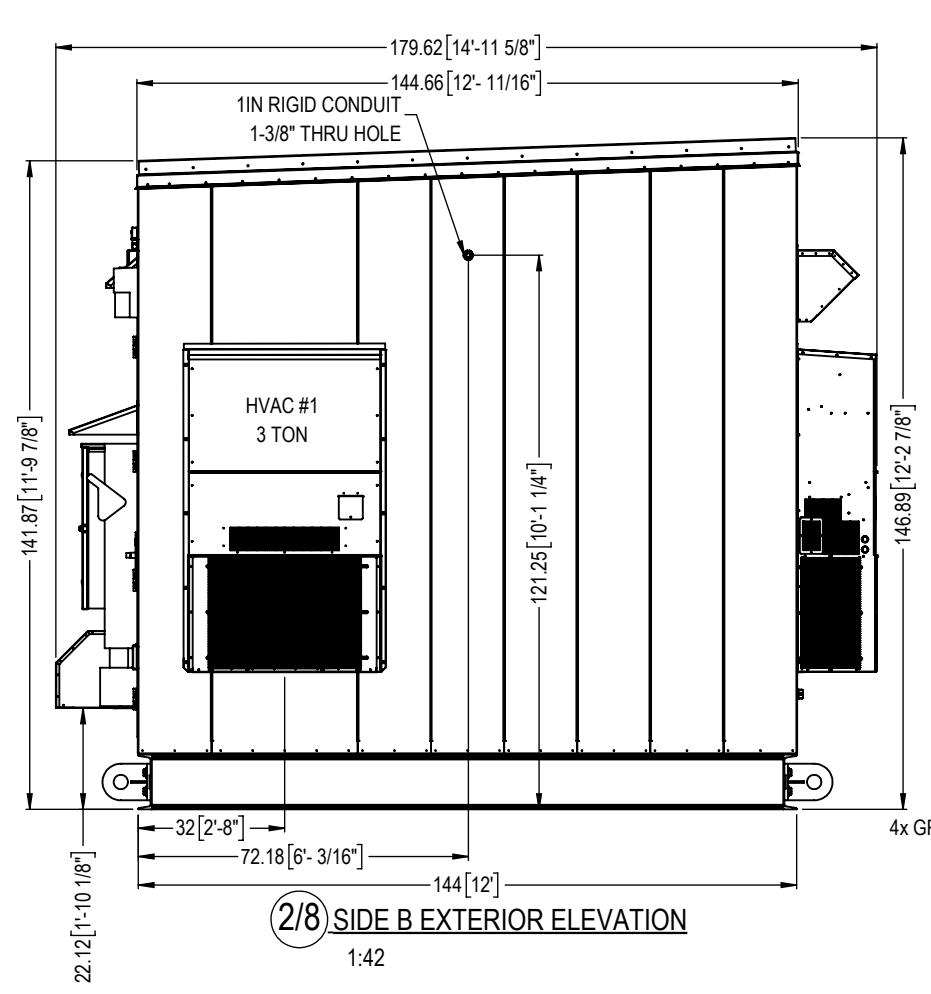
REV.
5

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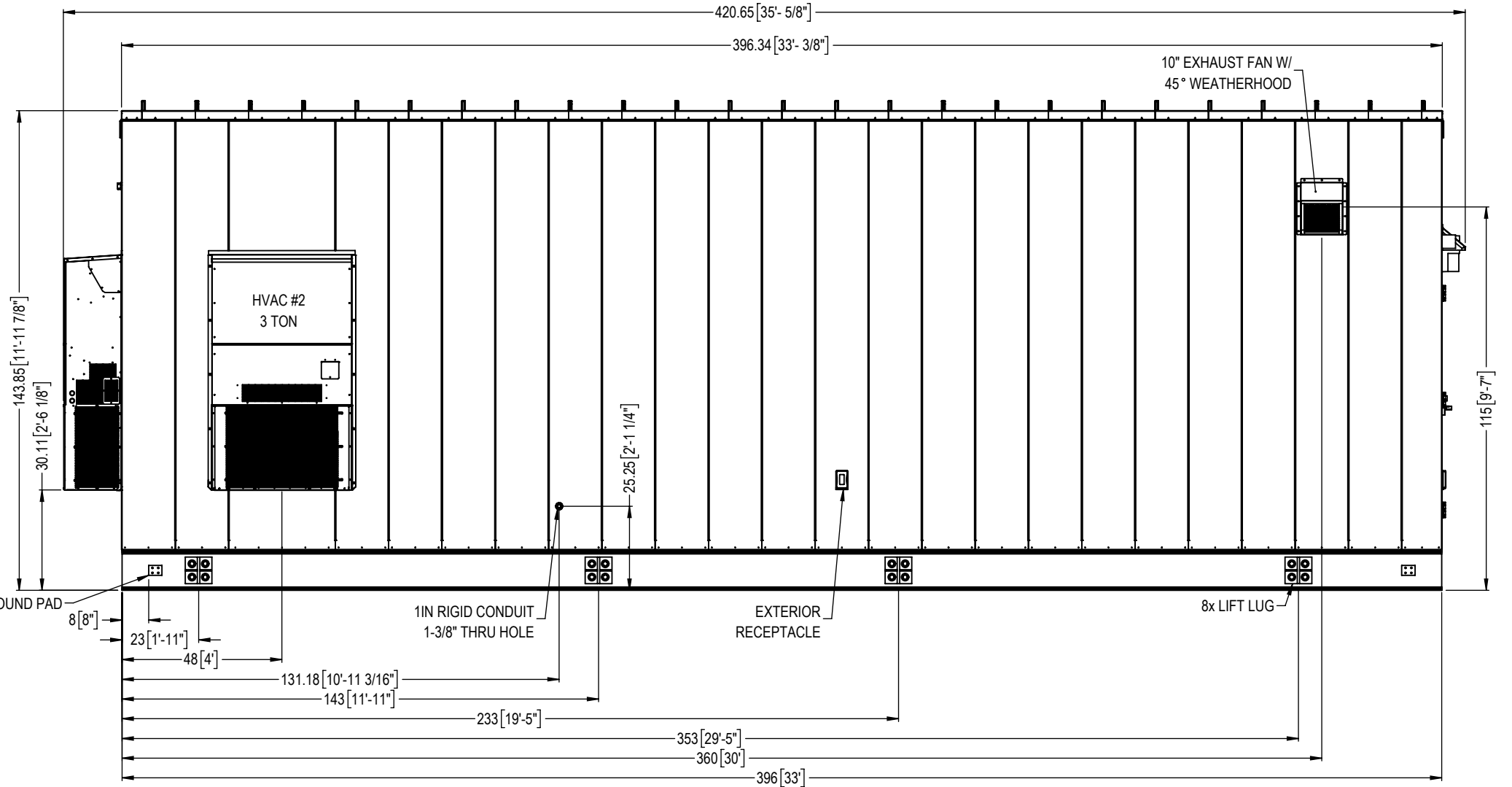
3/8 STANDARD RIGID CONDUIT DETAIL

1:8



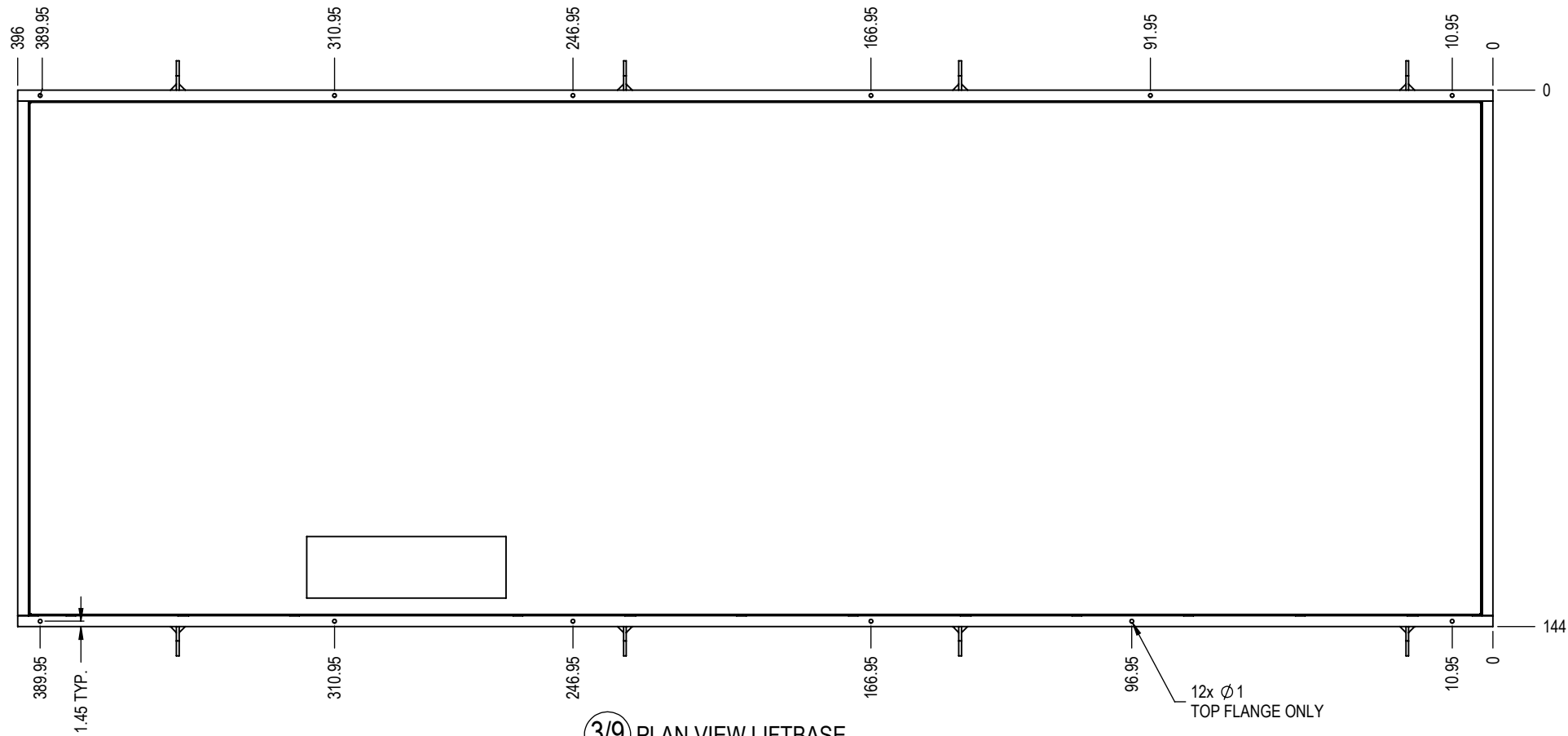
2/8 SIDE B EXTERIOR ELEVATION

1:42

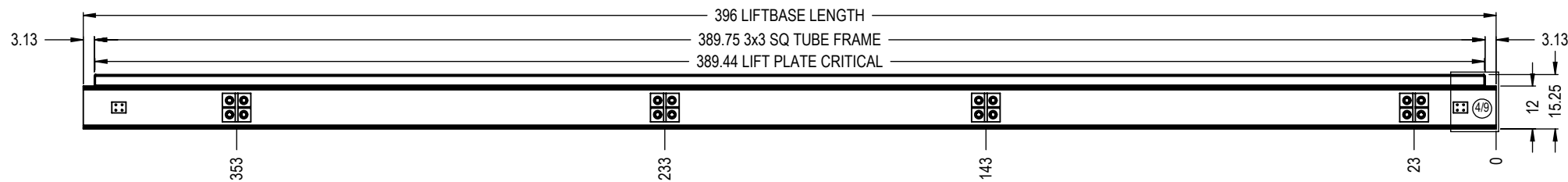


1/8 SIDE C EXTERIOR ELEVATION

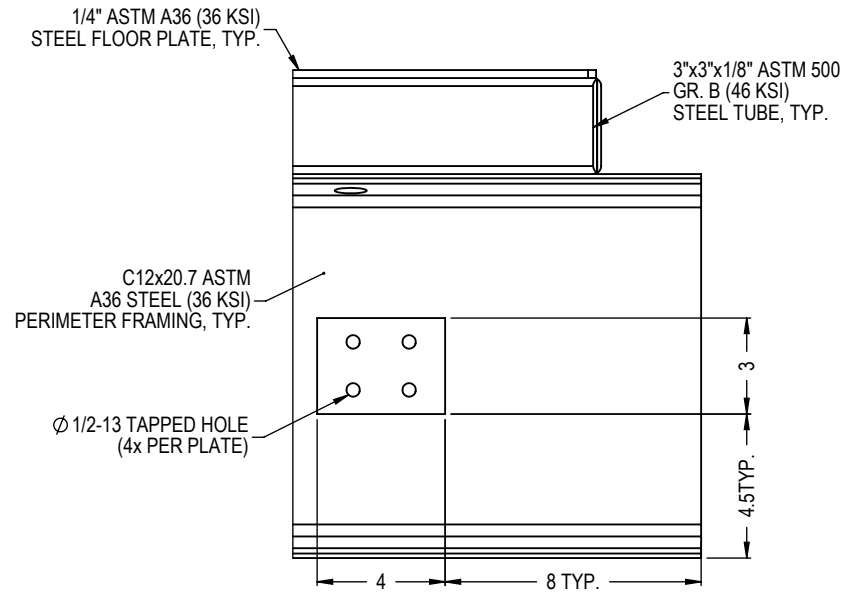
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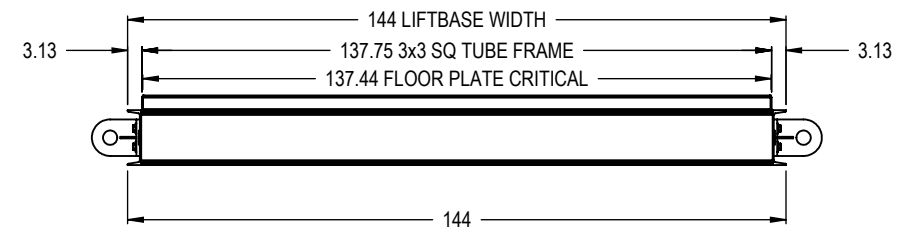
3/9 PLAN VIEW LIFTBASE
1:42



1/9 SIDE A LIFTBASE ELEVATION
1:42

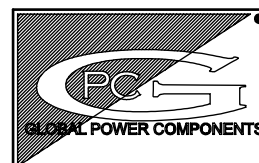


4/9 GROUNDING PAD DETAIL
NTS



2/9 SIDE B LIFTBASE ELEVATION
1:42

- NOTES: UNLESS OTHERWISE SPECIFIED
1. SPRAY FOAM UNDERSIDE OF LIFTBASE
 2. R28 - 4" MIN OF SPRAY FOAM
 3. PAINT COLOR: GRAY 31745
 4. USE 7/8-9 GRADE 8 HARDWARE FOR LIFTING PLATES
 5. APPLY HERCULINER GRAY TO ENTIRE FLOOR



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EPP
PROJECT NAME:
DRAWING REF:
XX

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TWO PLACE .XX ± .06
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HOLE DIA. ± .005

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

DRAWN BY
SSP
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

DATE
6/6/18

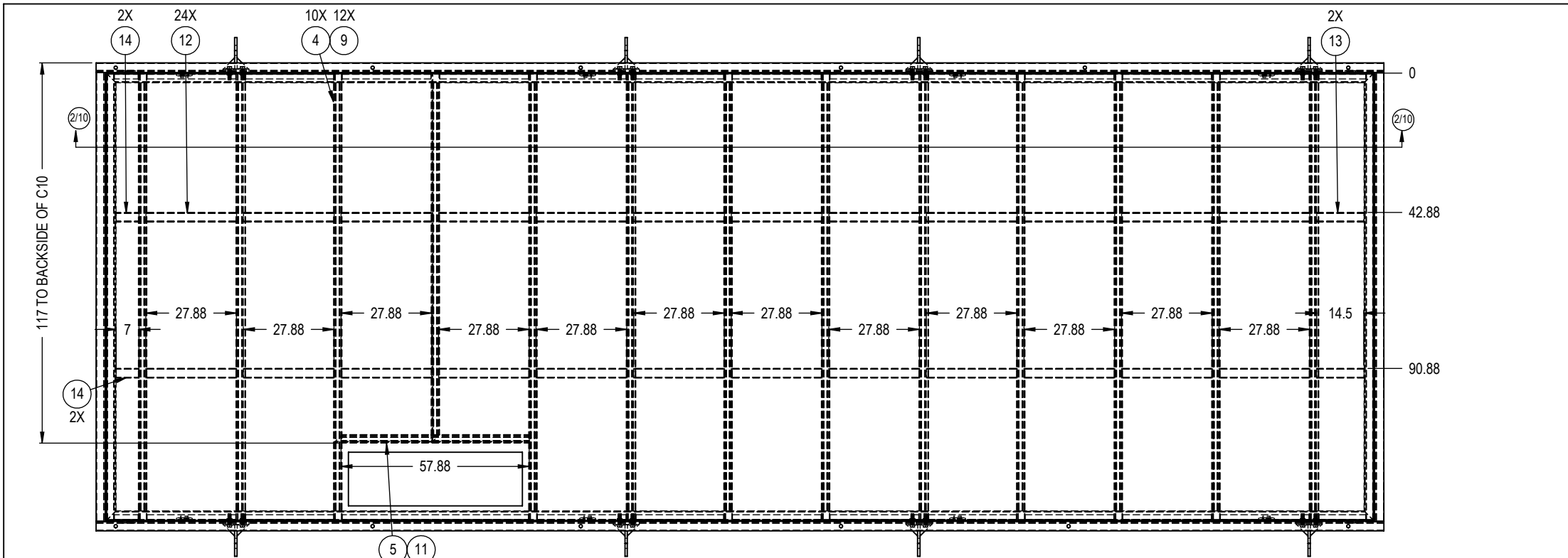
DESCRIPTION

LIFTBASE ASSEMBLY

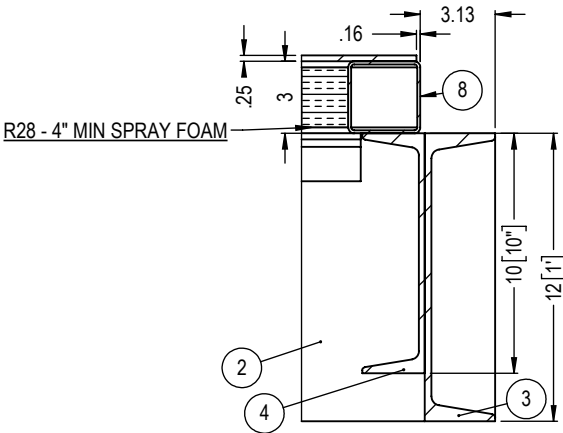
SIZE
B

DWG. NO.
45-30695F

REV.
5

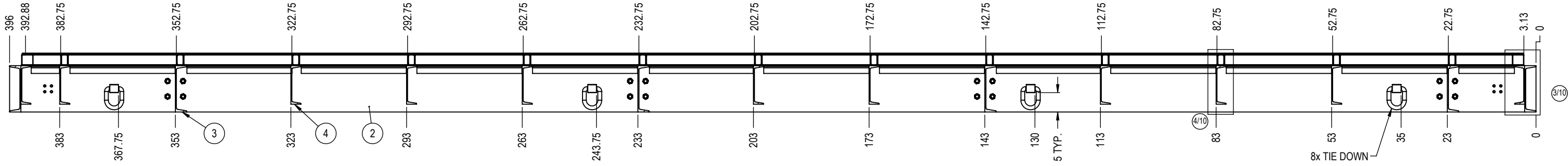


4/10 FLOOR FRAMING PLAN VIEW
1:42



3/10 CROSS MEMBER SECTION
NTS

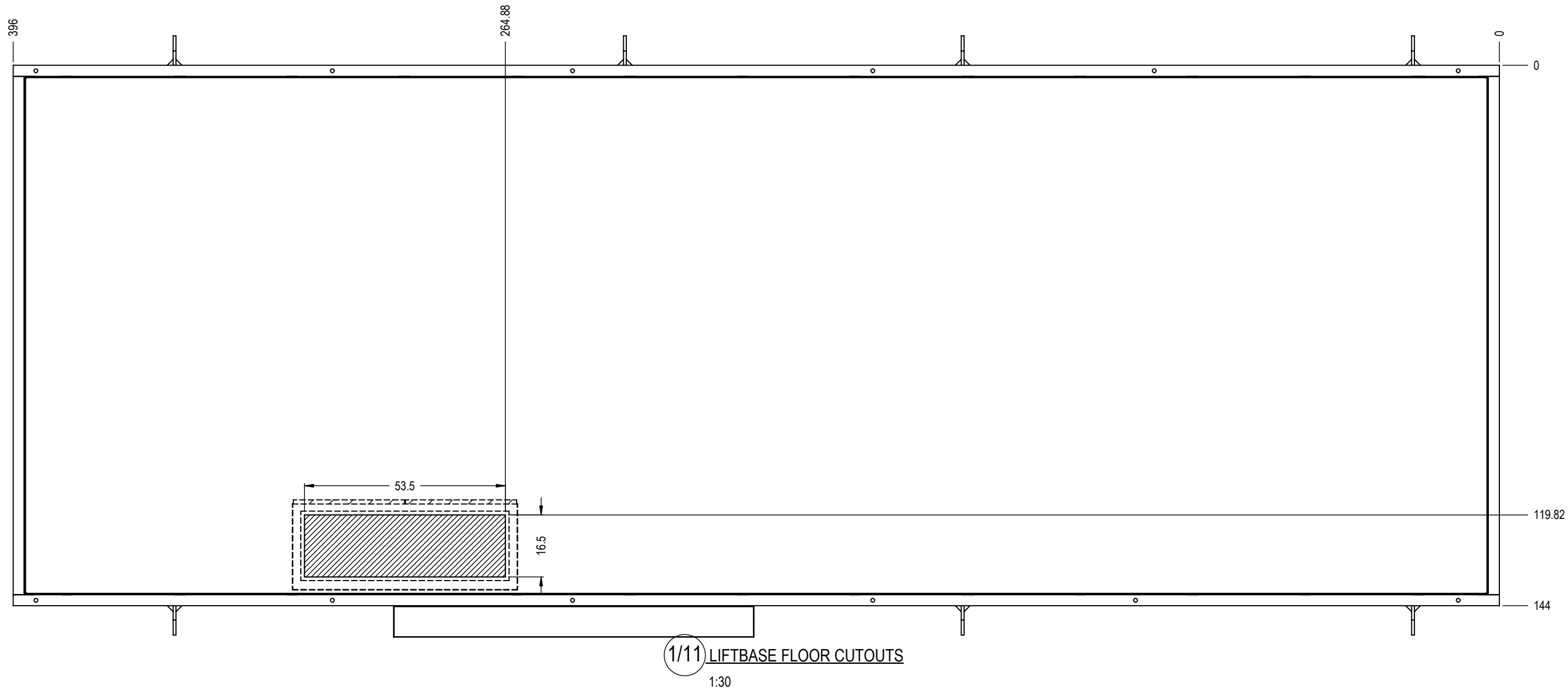
4/10 CROSS MEMBER SECTION
NTS



2/10 FLOOR FRAMING SECTION
1:26 - SECTION

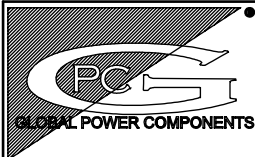
STRUCTURAL BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	MATERIAL	LENGTH	QTY.
1	C 12x20.7 RT SIDE CHANNEL	ASTM A36	396.00	1
2	C 12x20.7 LT SIDE CHANNEL	ASTM A36	396.00	1
3	C 12x20.7 CHANNEL	ASTM A36	138.12	6
4	C 10x15.3 CHANNEL	ASTM A36	138.12	10
5	C 10x15.3 Channel 2	ASTM A36	59.76	1
6	C 10x15.3 Channel 2	ASTM A36	113.82	1
7	3x3x0.125 SQ TUBING-MITER AT ENDS	ASTM A500 GRADE B	389.75	2
8	3x3x0.125 SQ TUBING-MITER AT ENDS	ASTM A500 GRADE B	137.75	2
9	3x2x0.25 RECT TUBING	ASTM A500 GRADE B	131.75	12
10	3x2x0.25 RECT TUBING	ASTM A500 GRADE B	108.56	1
11	3x2x0.25 RECT TUBING	ASTM A500 GRADE B	57.88	1
12	3x3x0.125 SQ TUBING	ASTM A500 GRADE B	27.88	24
13	3x3x0.125 SQ TUBING	ASTM A500 GRADE B	14.50	2
14	3x3x0.125 SQ TUBING	ASTM A500 GRADE B	7.00	2

- NOTES: UNLESS OTHERWISE SPECIFIED
1. SPRAY FOAM UNDERSIDE OF LIFTBASE
 2. R28 - 4" MIN OF SPRAY FOAM
 3. PAINT COLOR: GRAY 31745
 4. USE 7/8-9 GRADE 8 HARDWARE FOR LIFTING PLATES
 5. APPLY HERCULINER GRAY TO ENTIRE FLOOR



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LIFTBASE WEIGHT: 10922 LBS



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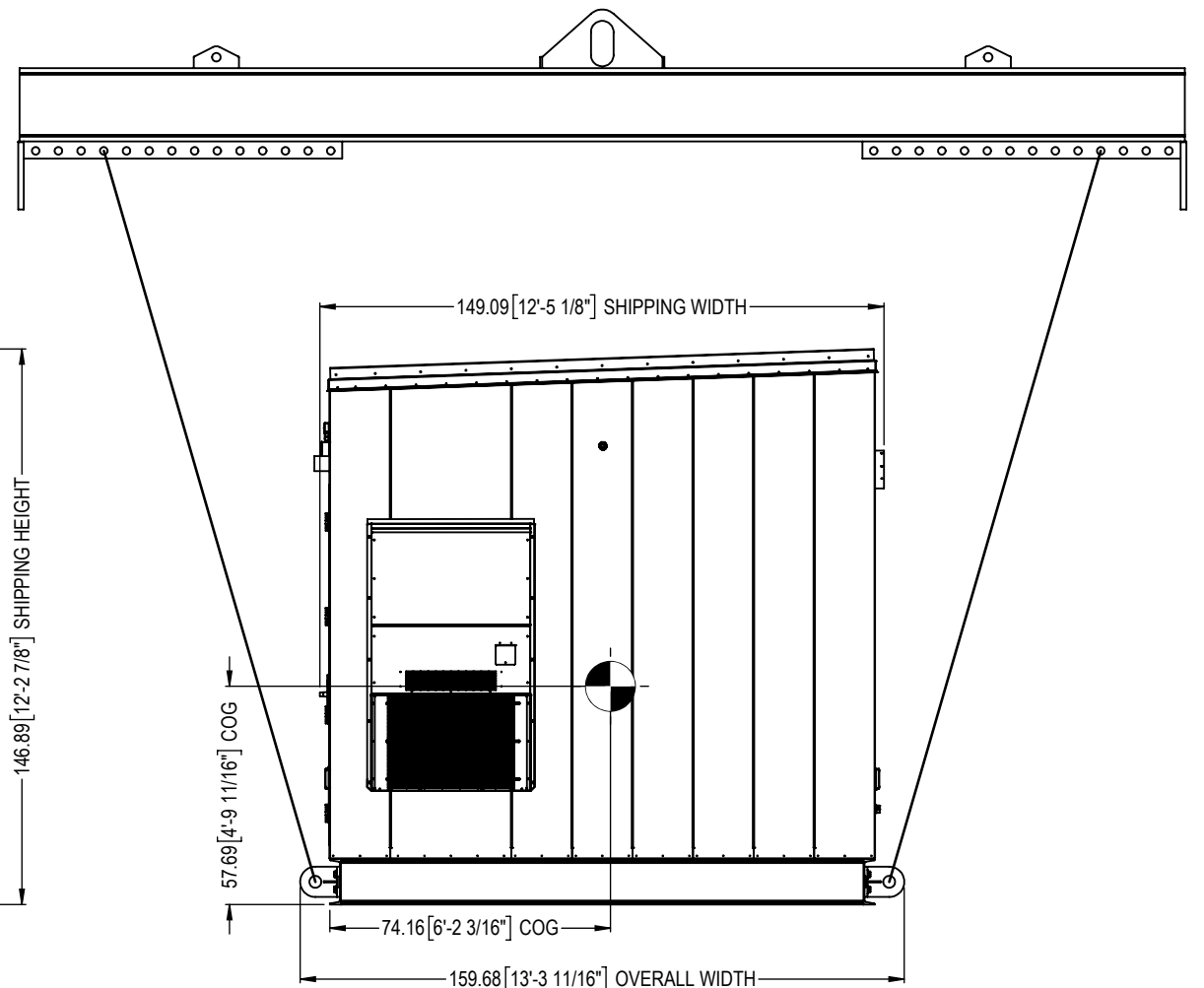
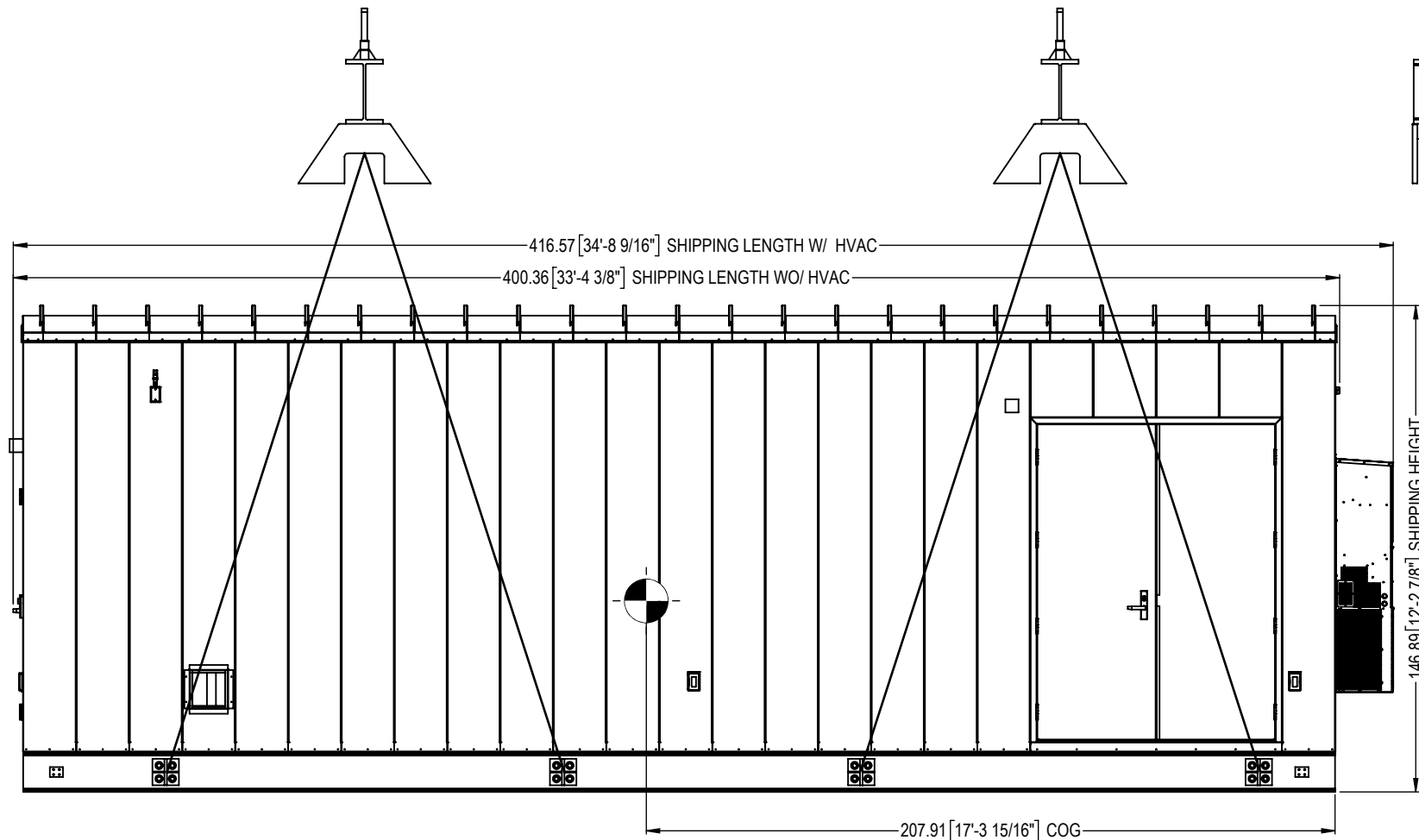
CUSTOMER I/D:
EPP
PROJECT NAME:
DRAWING REF:
XX

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DIMENSIONS ARE IN INCHES
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ONE PLACE .X ± .1
TWO PLACE .XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

DRAWN BY
SSP
DATE
6/6/18
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

DESCRIPTION
LIFTBASE FLOOR CUTOUTS
SIZE
B
DWG. NO.
45-30695F
REV.
5



1/10 SHIPPING DETAIL
1:60

LIFTING NOTES:

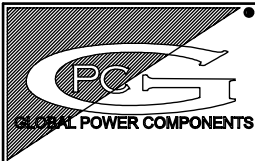
1. THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY
2. SIZING OF SPREADER BAR, CABLES, AND OTHER LIFT HARDWARE ARE THE RESPONSIBILITIES OF OTHERS
3. SUPPLY OF SPREADER BAR, CABLES, AND OTHER LIFT HARDWARE ARE THE RESPONSIBILITIES OF OTHERS
4. SLING ARRANGEMENT SHOULD BE ADJUSTED TO ALLOW FOR A LEVEL LIFT
5. SLING ARRANGEMENT SHOULD BE ADJUSTED SO THE CABLES ARE NOT LESS THAN 60° TO BASE
6. SHIPPED LOOSE ITEMS: RAIN HOODS, (1x) HVAC UNITS, EXTERIOR LIGHTS, (2x) DISCONNECT, HOFFMAN BOX

WEIGHTS:

EMPTY BLDG WT: 28667 LBS

EQUIPMENT WT: 15672 LBS

ESTIMATED TOTAL WT: 44339 LBS



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AS-BUILT

CUSTOMER I/D:
EPP
PROJECT NAME:
DRAWING REF:
XX

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THE TOLERANCES ARE:
ONE PLACE .X ± .1
TWO PLACE .XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005

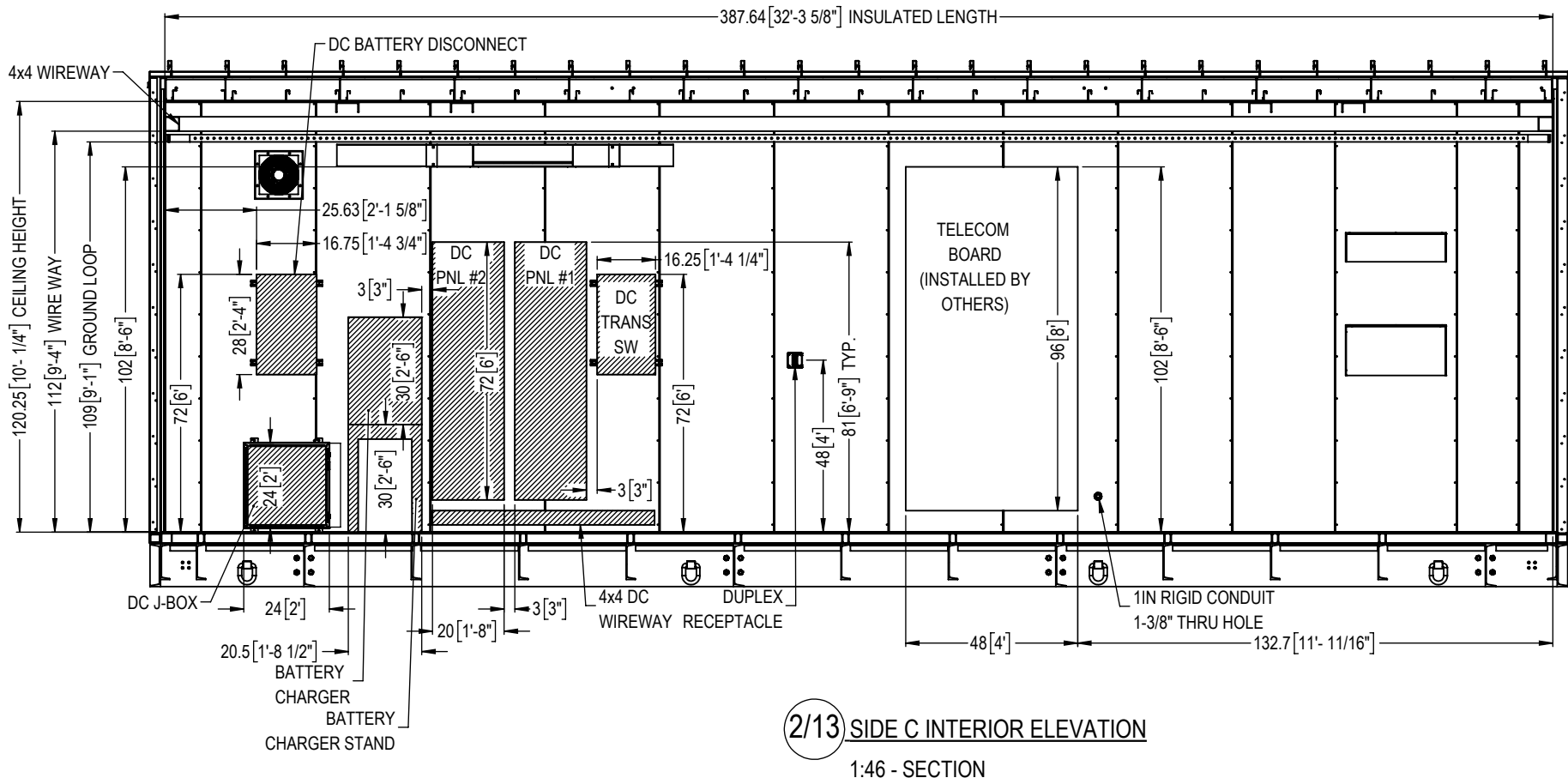
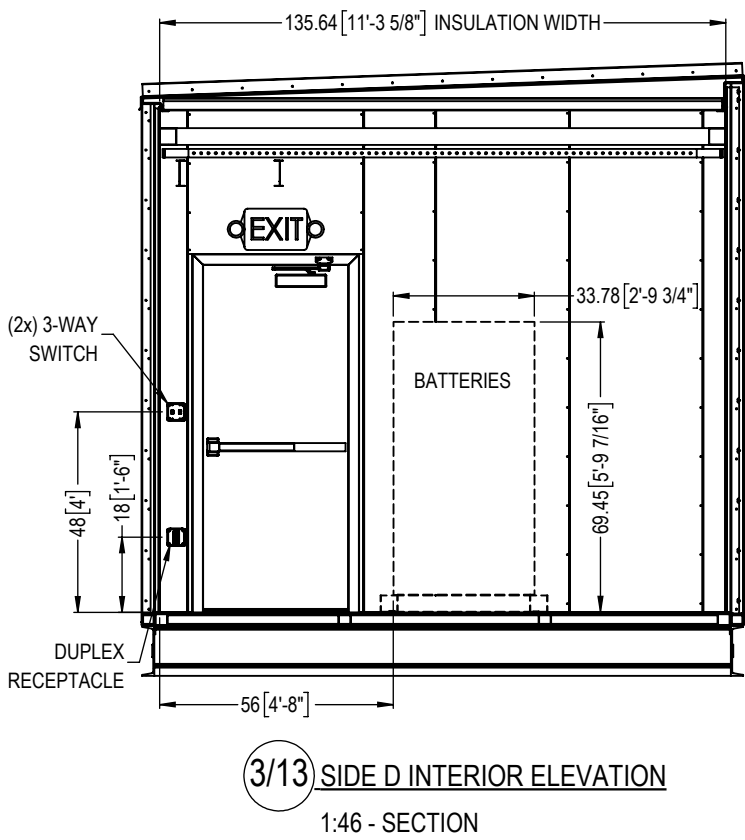
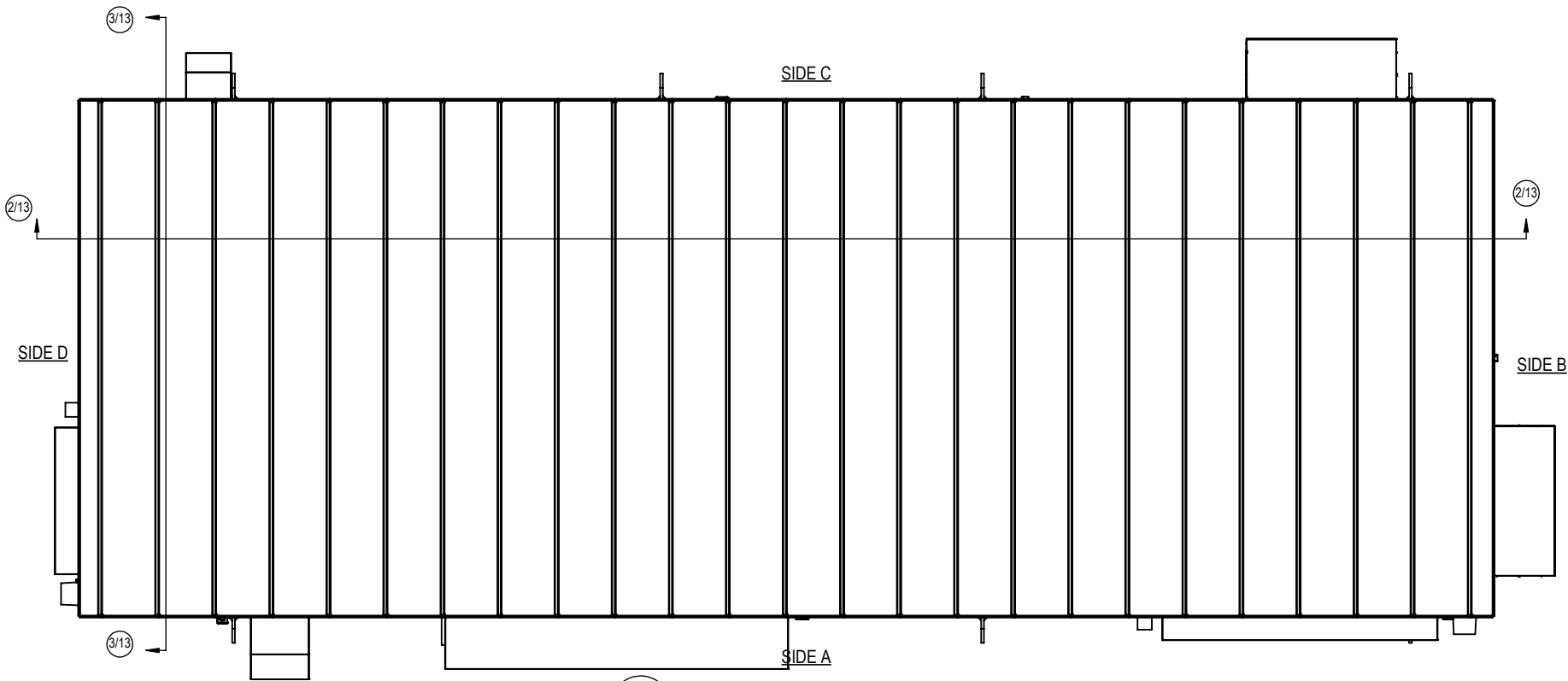
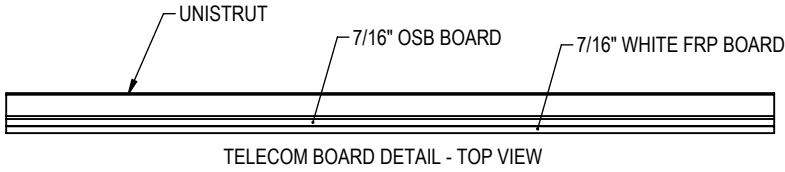
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

DRAWN BY	DATE
SSP	6/6/18
MATERIAL	VARIOUS CRS
FINISH	
SEE NOTE	

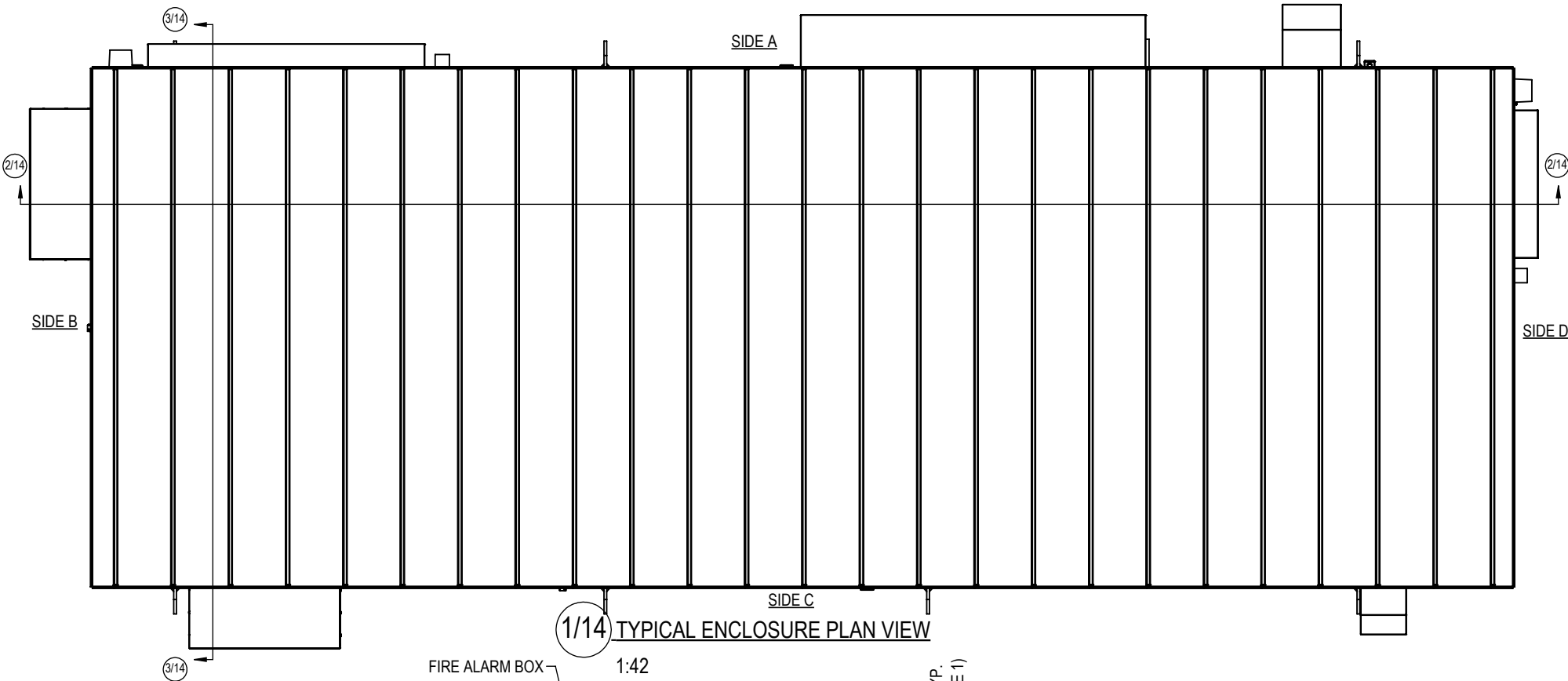
DESCRIPTION	
SHIPPING/LIFTING DETAIL	
SIZE	DWG. NO.
B	45-30695
REV.	5

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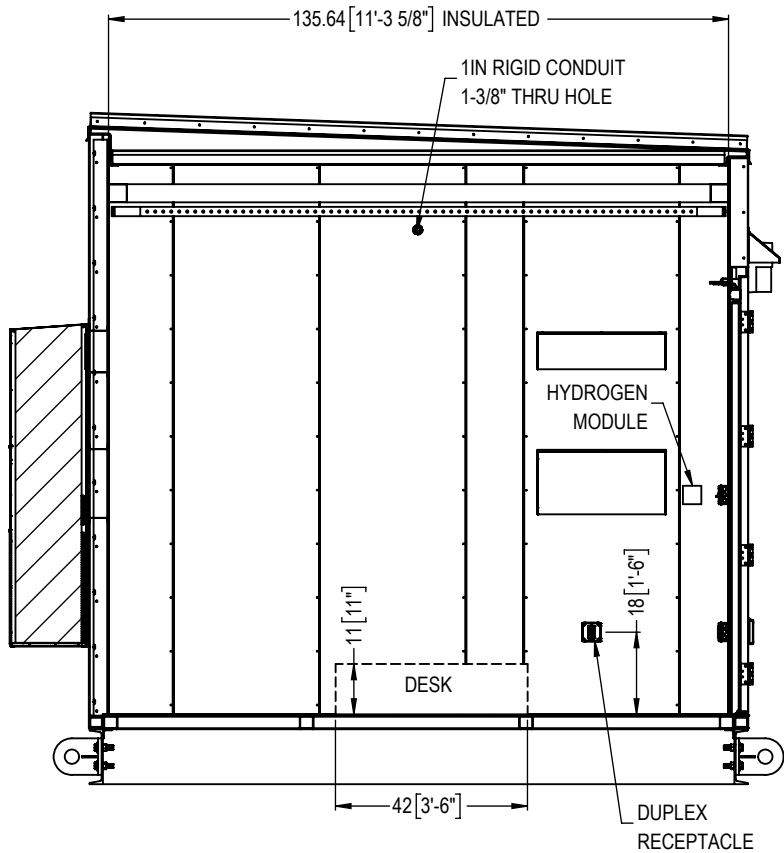
NOTES:
1. HATCHED EQUIPMENT FIELD INSTALLED



NOTES:
1. ALL EMT CONDUIT STUBS 10" FROM TOP OF GROUNDING BUSHING TO BOTTOM OF CABLE TRAY

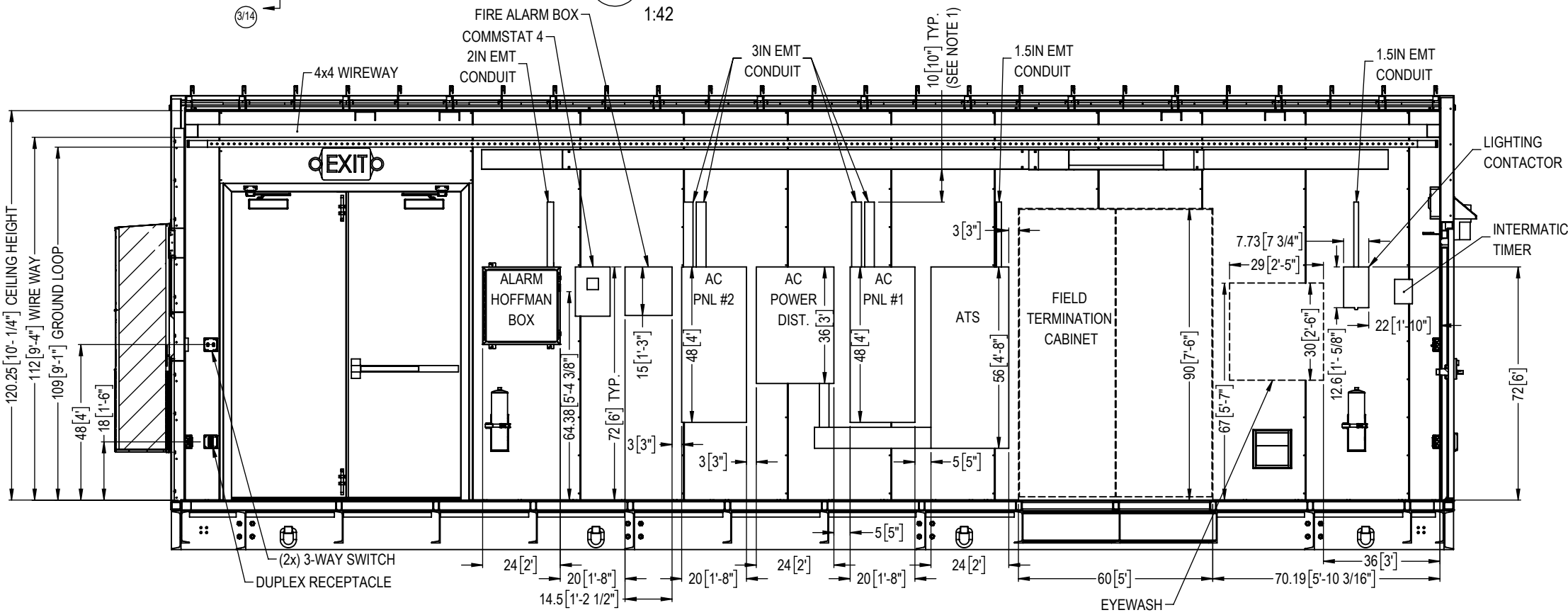


1/14 TYPICAL ENCLOSURE PLAN VIEW



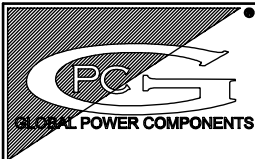
3/14 SIDE B INTERIOR ELEVATION

1:42 - SECTION



2/14 SIDE A INTERIOR ELEVATION

1:42 - SECTION



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EPP
PROJECT NAME:
DRAWING REF:
XX

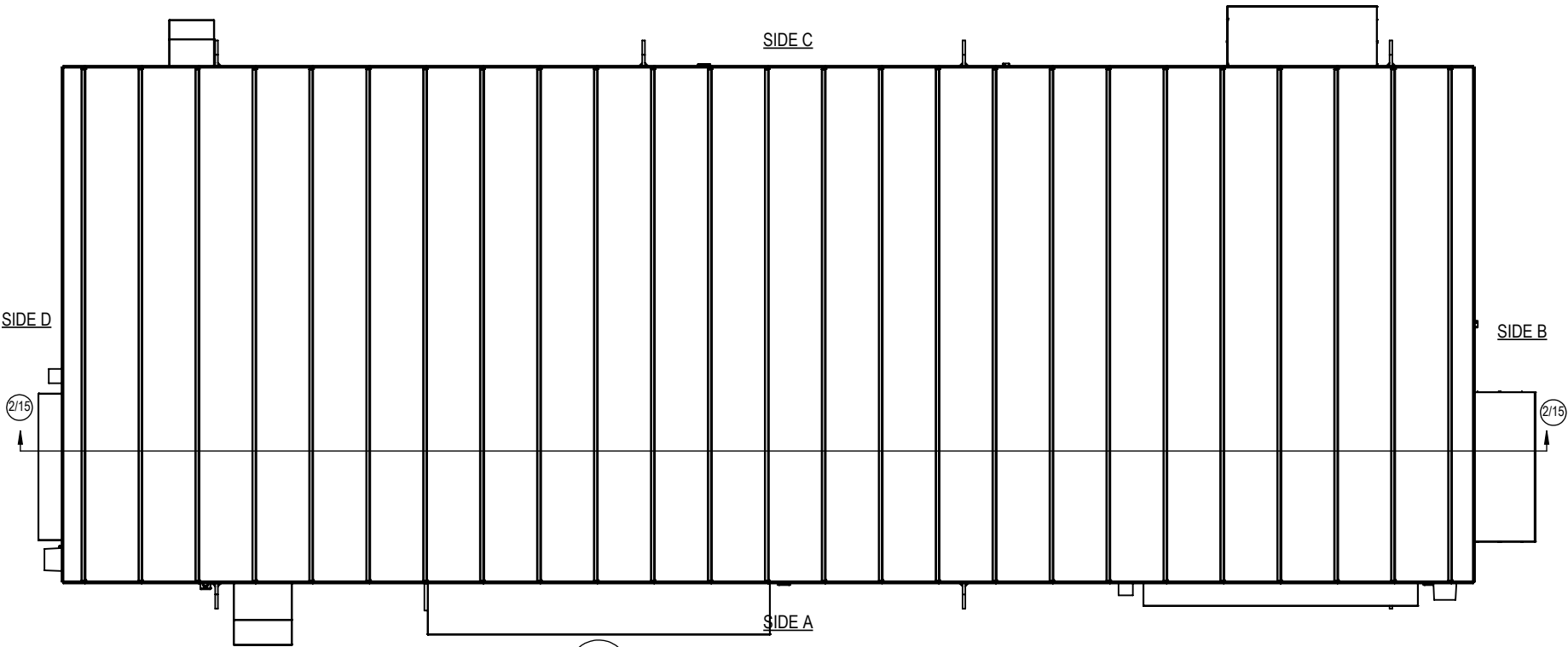
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
THE TOLERANCES ARE:
ONE PLACE X ± .1
TWO PLACE XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

DRAWN BY
SSP
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

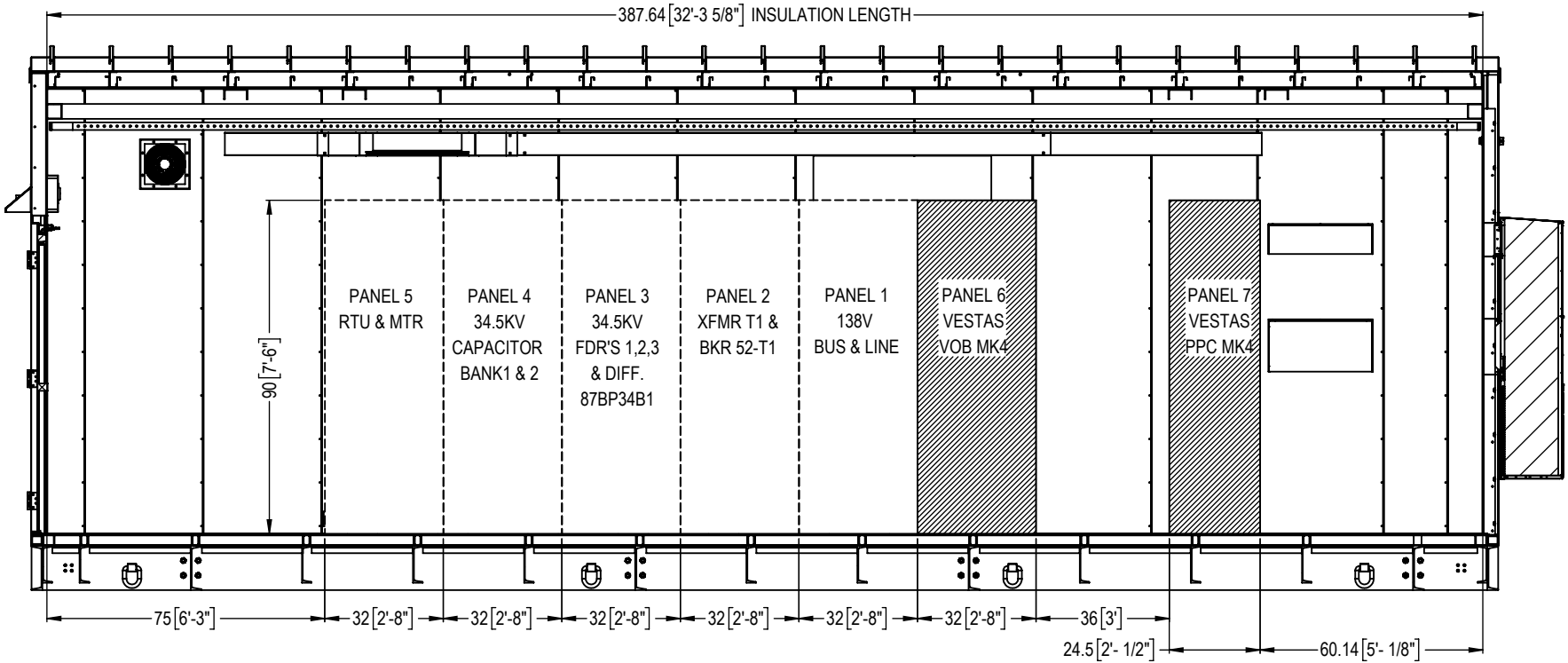
DATE
6/6/18
DESCRIPTION
INTERIOR VIEW DETAILS
SIZE B DWG. NO. 45-30695 REV. 5

NOTES:
1. HATCHED EQUIPMENT FIELD INSTALLED



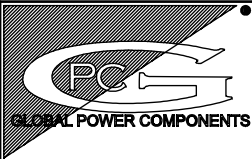
1/15 TYPICAL ENCLOSURE PLAN VIEW

1:46



2/15 AISLE INTERIOR ELEVATION

1:46 - SECTION

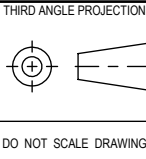


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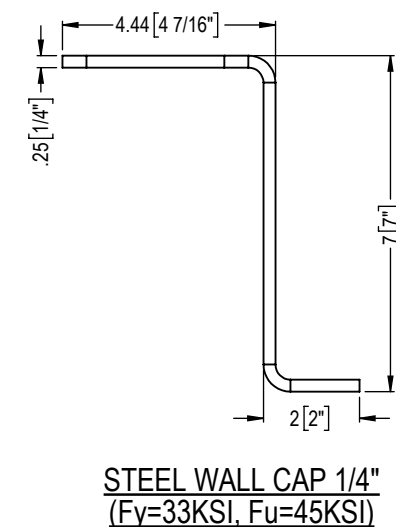
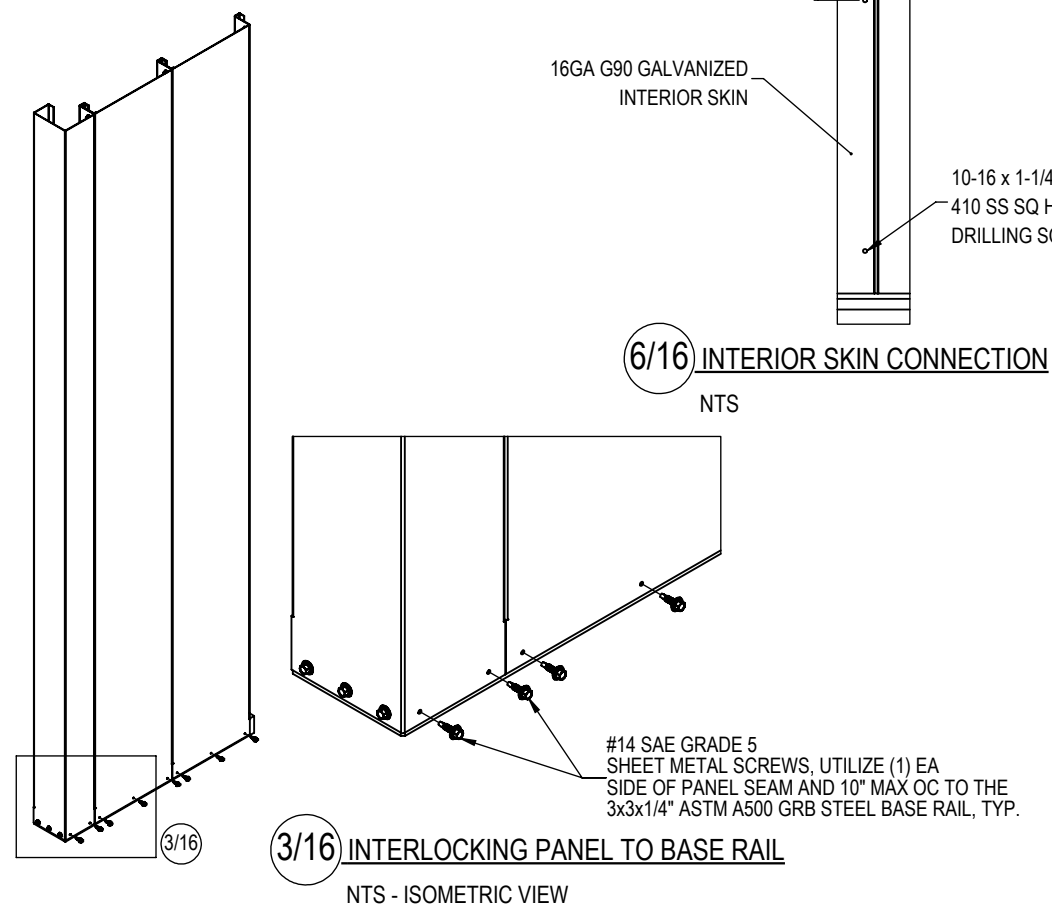
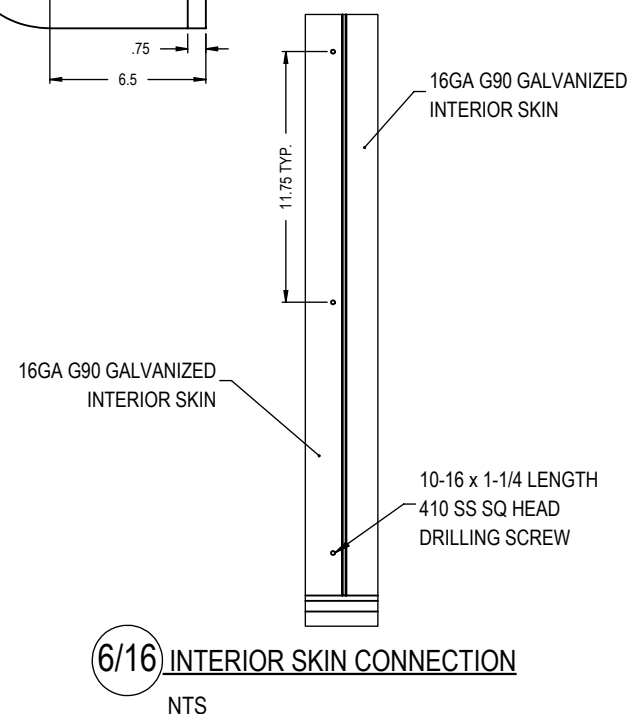
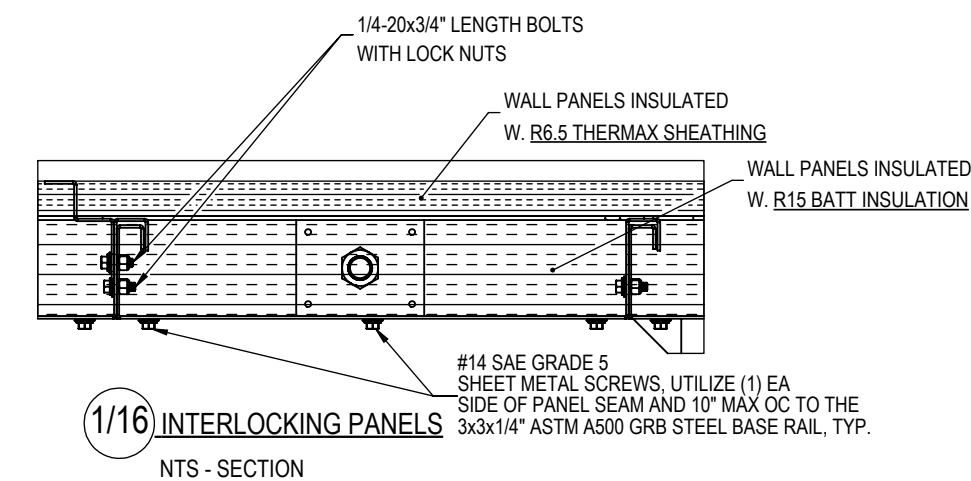
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
THE TOLERANCES ARE:
ONE PLACE .X ± .1
TWO PLACE .XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005

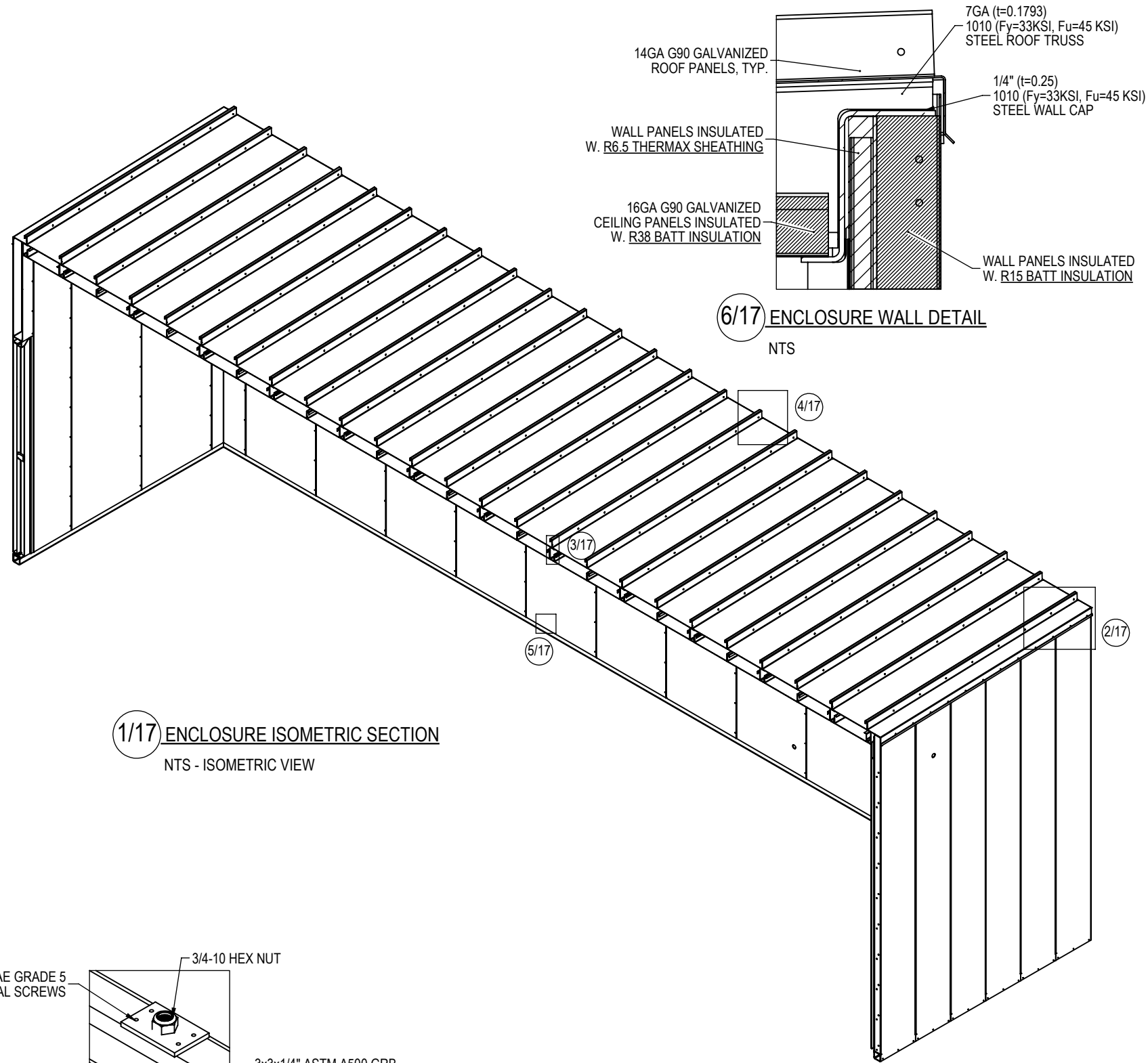


DO NOT SCALE DRAWING

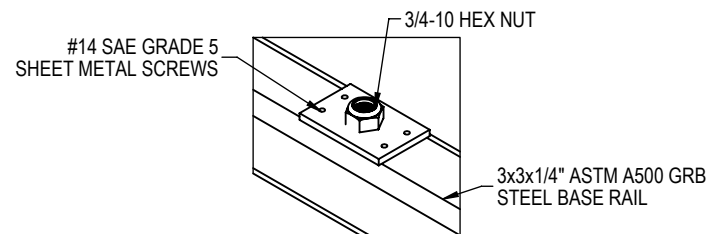
DRAWN BY
SSP
DATE
6/6/18
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

DESCRIPTION
INTERIOR VIEW DETAILS
SIZE
B
DWG. NO.
45-30695
REV.
5

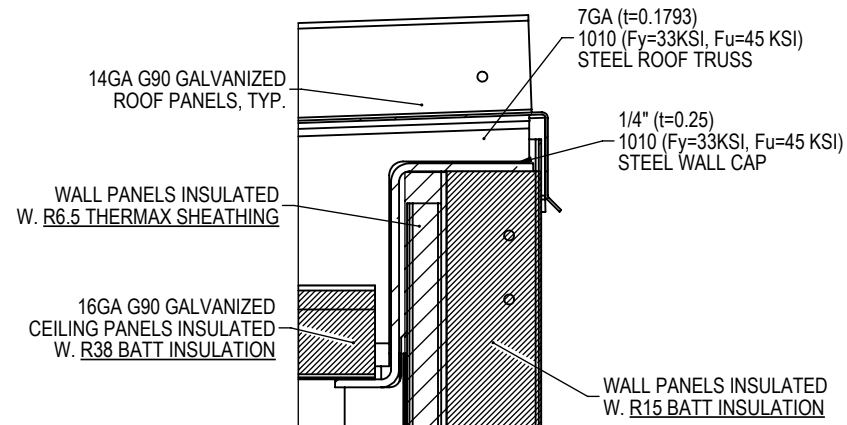




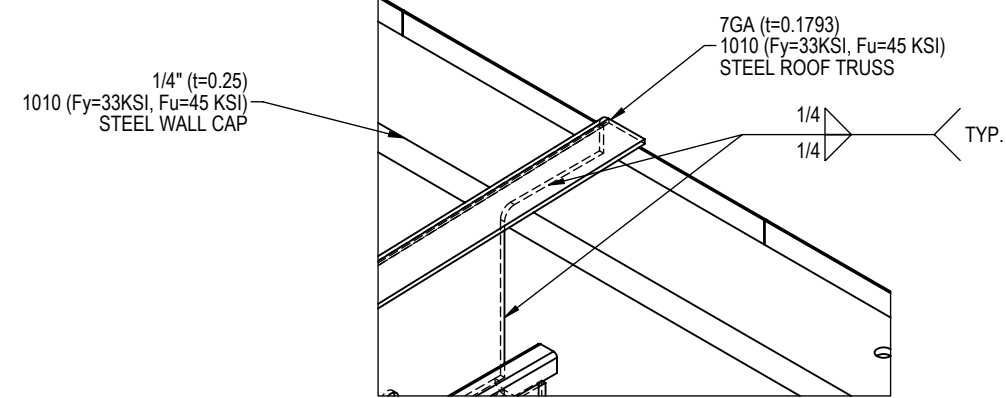
1/17 ENCLOSURE ISOMETRIC SECTION
NTS - ISOMETRIC VIEW



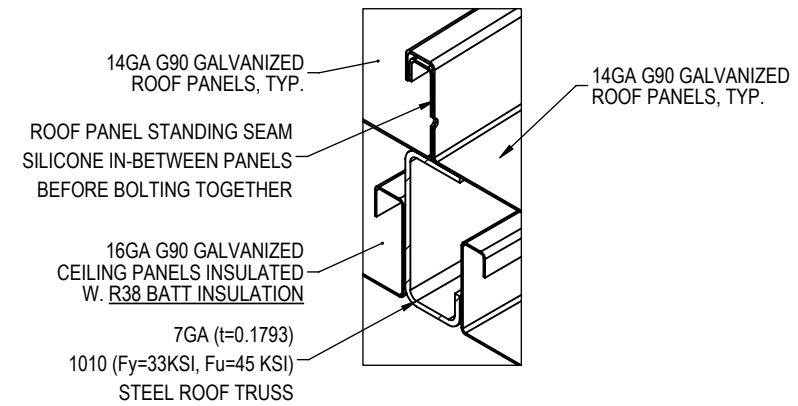
5/17 ENCLOSURE MOUNTING DETAIL
NTS - ISOMETRIC VIEW



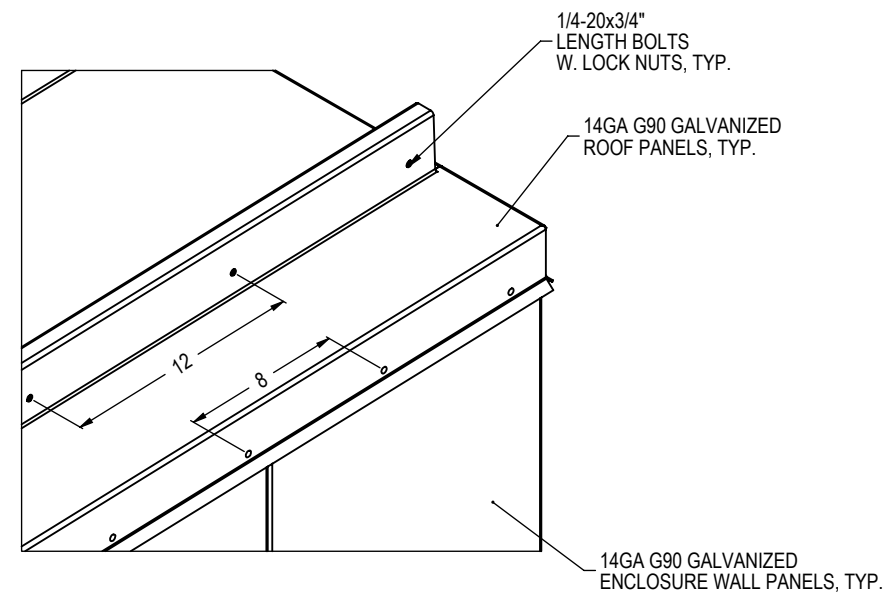
6/17 ENCLOSURE WALL DETAIL
NTS



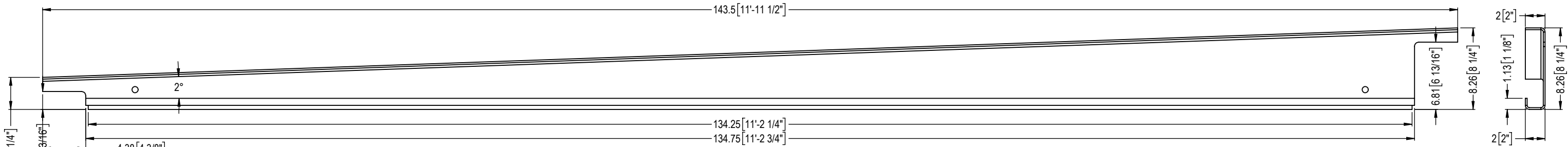
4/17 ROOF TRUSS TO WALL CAP
NTS - ISOMETRIC VIEW



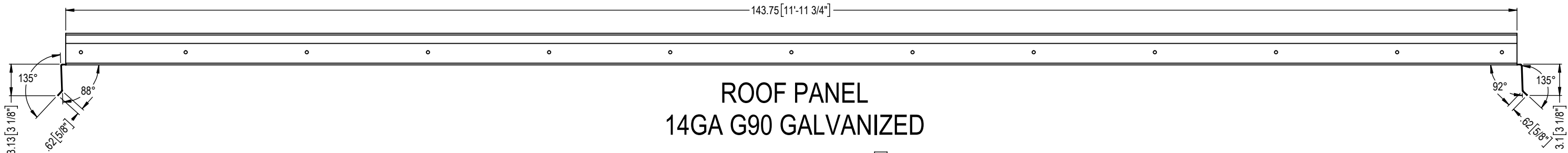
3/17 ROOF PANEL TO ROOF PANEL
NTS - ISOMETRIC VIEW



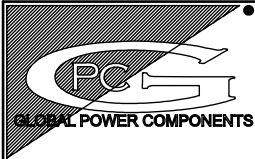
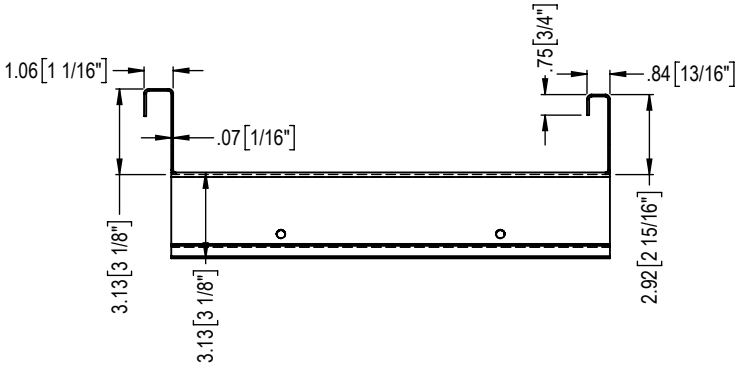
2/17 ROOF PANEL TCONNECTION
NTS - ISOMETRIC VIEW



SINGLE SLOPE ROOF TRUSS
7GA.



ROOF PANEL
14GA G90 GALVANIZED

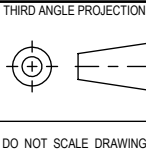


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DIMENSIONS ARE IN INCHES
THE TOLERANCES ARE:
ONE PLACE .X ± .1
TWO PLACE .XX ± .06
ANGLE ± 2°
HOLE DIA. ± .005



DO NOT SCALE DRAWING

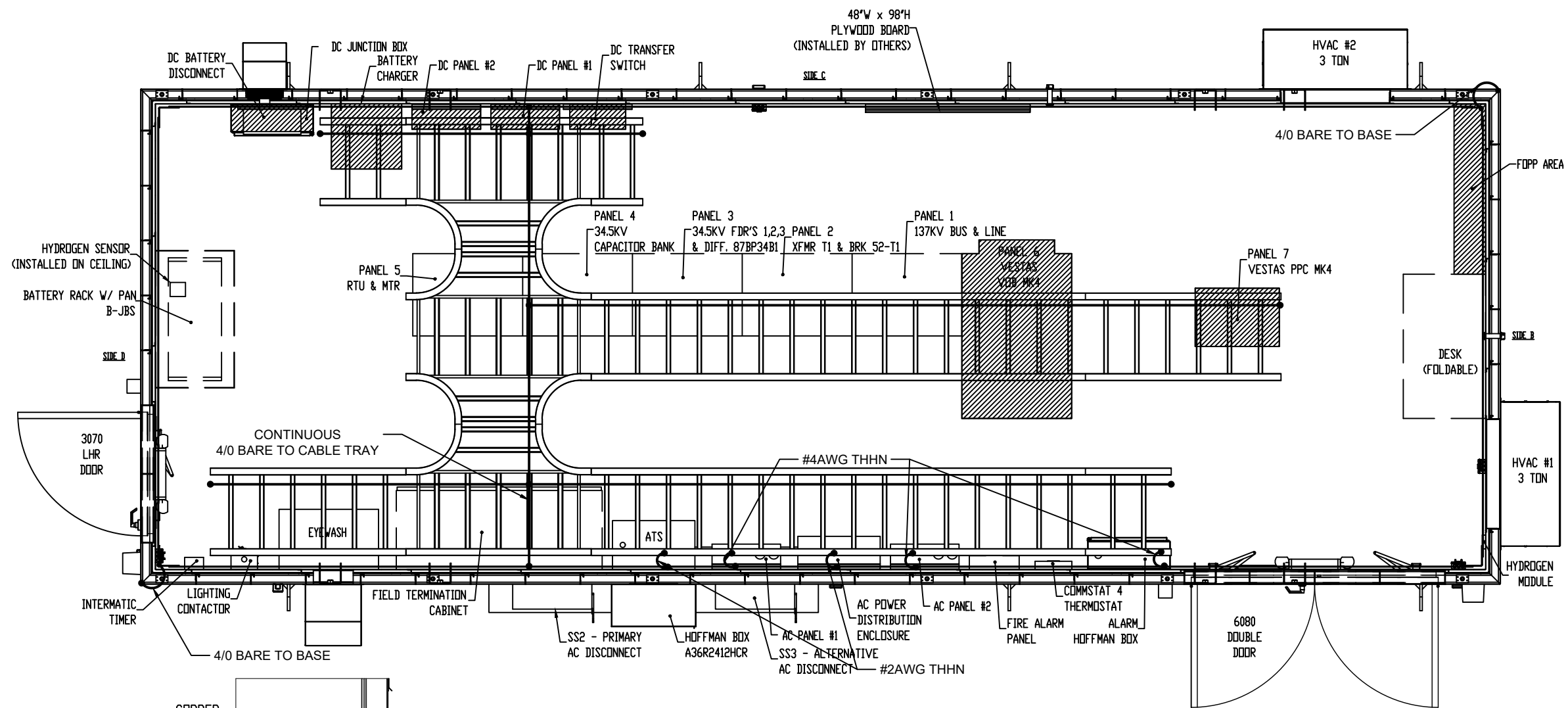
DRAWN BY
SSP
DATE
6/6/18
MATERIAL
VARIOUS CRS
FINISH
SEE NOTE

DESCRIPTION
GENERAL ENCLOSURE CONSTRUCTION
SIZE
B
DWG. NO.
45-30695
REV.
5

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NOTE:
LED LIGHTS 1,2,3,4,9 & 10 MOUNTED UNDERNEATH CABLE TRAY
STUB ALL CONDUITS 10" FROM TOP OF BUSHING TO BOTTOM OF CABLE TRAY
SWITCHES TO BE MOUNTED 44" AFF TO BOTTOM OF BOX
50FT HYDROGEN SENSOR INTERCONNECT CABLE RAN IN 3/4"-EMT

[illegible]

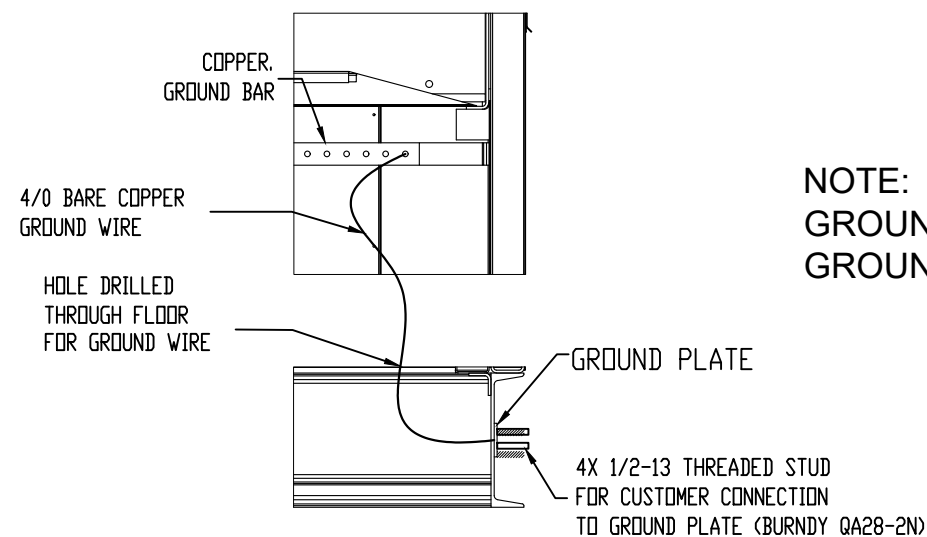


SIDE A

(1/5) TYPICAL CABLE TRAY LAYOUT

1:30

NOTE:
GROUND ALL CONDUIT STUBS TO BARE 4/0 ON CABLE TRAY W/ C-CLAMPS
GROUND ALL EQUIPMENT TO 2"X1/4" GROUND BAR



GROUNDING TO BASE DETAIL

REV	DESCRIPTION	DATE	APPR.	 GLOBAL POWER COMPONENTS	GLOBAL POWER COMPONENTS	2300 S 51ST ST MILWAUKEE, WI 53219	PH (414) 475-3000 FAX (414) 475-3441	www.globalpowercomponents.com	CUSTOMER I/D: EP2	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES THE TOLERANCES ARE: ONE PLACE .X ± .1 TWO PLACE .XX ± .06 ANGLE ± 2° HOLE DIA. ± .005	THIRD ANGLE PROJECTION 	DRAWN BY JL	DATE 6/7/2018	DESCRIPTION GROUNDING DETAIL		
									JOB REF:		DO NOT SCALE DRAWING	MATERIAL VARIOUS CRS	FINISH SEE NOTE	SIZE B	DWG. NO. 45-30695	REV. 5
									DRAWING REF: XXX					THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GLOBAL POWER COMPONENTS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN CONSENT OF GLOBAL POWER COMPONENTS IS PROHIBITED.		

SCHEDULE FOR: AC PANEL 1		LOCATION: MEC		FED FROM: POWER DISTRIBUTION BOX	
VOLTAGE	120/240V	NEUTRAL	YES	MIN. A.I.C RATING	22KAIC
MAIN BUS	225A	NUMBER OF POLES	42	COMMENTS	120/240VAC 1PHASE 3WIRE
MCB RATING	200A	EQUIP. GROUND BUS	YES	MOUNTING	SURFACE

- - PROVIDED BY OTHERS

GPC WIRING

WIRING BY OTHERS
- NOTES:
- MINIMUM 12AWG THHN STRANDED WIRING TO BE USED FOR DISTRIBUTION PANEL FEEDER CIRCUITS UNLESS OTHERWISE NOTED, HVAC CONTROLS #18AWG THERMOSTAT CABLE.

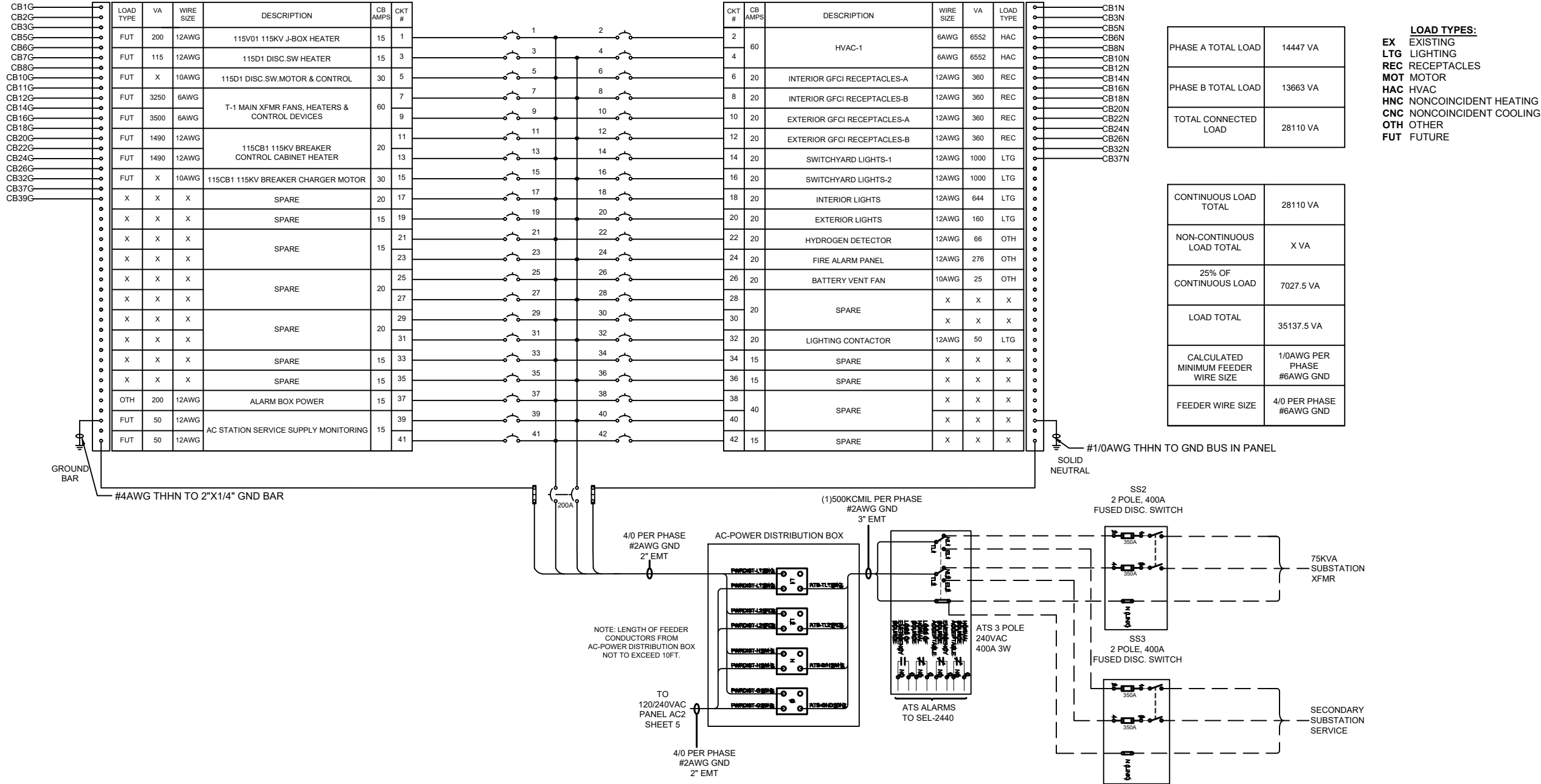
• ALL INTERIOR CIRCUITS TO BE WIRED IN MINIMUM ¾" EMT CONDUIT.

• ALL EXTERIOR CIRCUITS TO BE WIRED IN MINIMUM ¾" RIGID CONDUIT.

• ALL CABLES LOCATED IN A PLENUM SHALL BE SPECIFICALLY LISTED FOR USE WITHIN AN AIR HANDLING SPACE.

• ALL FIXTURES TO BE MOUNTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

• BOND NEUTRAL PANEL TO GND IN PANEL AC-1 W/ #1/0 AWG GREEN MINIMUM.

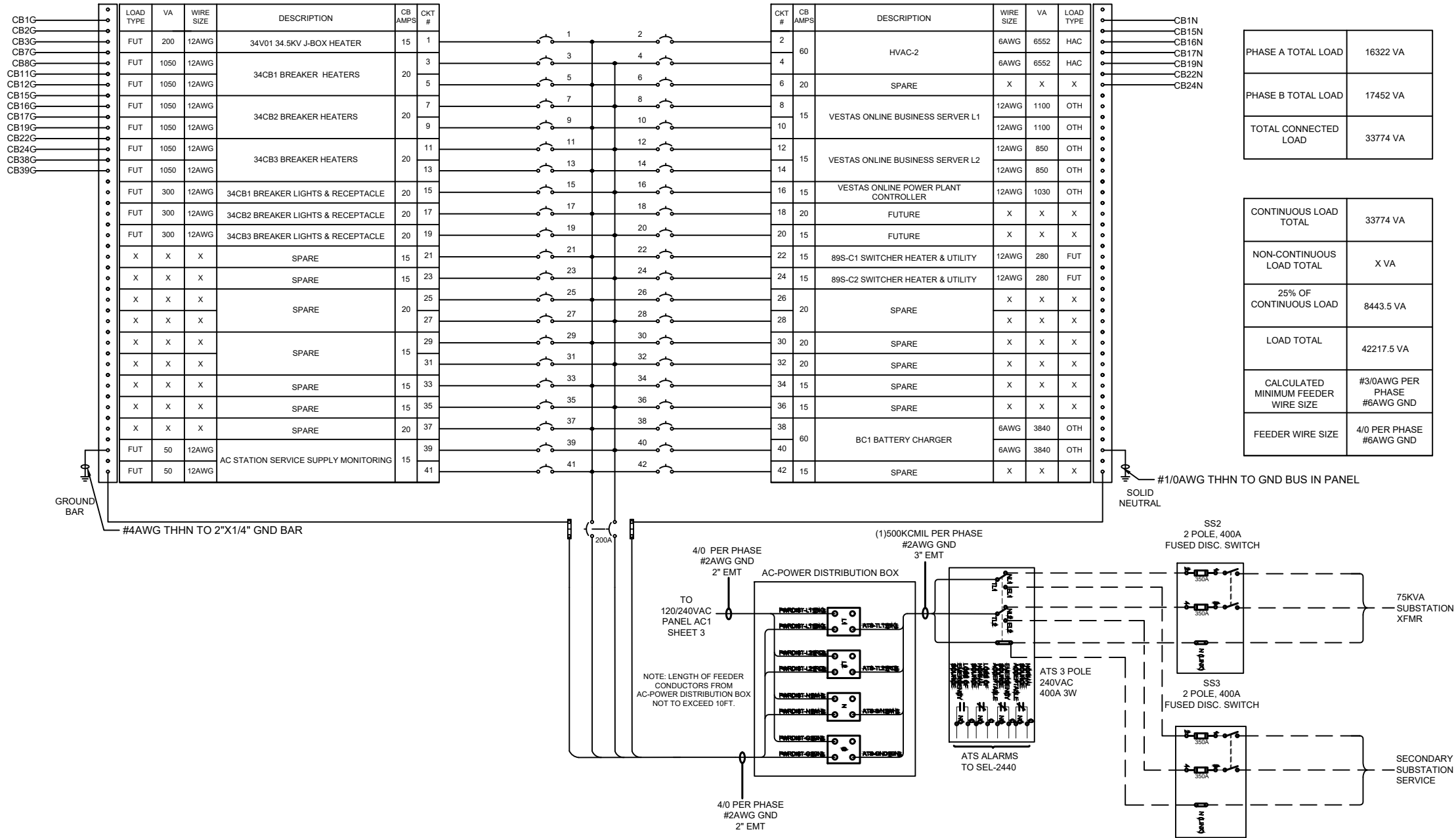


SCHEDULE FOR: AC PANEL 2		LOCATION: MEC		FED FROM: POWER DISTRIBUTION BOX	
VOLTAGE	120/240V	NEUTRAL	YES	MIN. A.I.C RATING	22KAIC
MAIN BUS	225A	NUMBER OF POLES	42	COMMENTS	120/240VAC 1PHASE 3WIRE
MCB RATING	200A	EQUIP. GROUND BUS	YES	MOUNTING	SURFACE

- * - PROVIDED BY OTHERS
 _____GPC WIRING
 _____WIRING BY OTHERS

NOTES:

- MINIMUM 12AWG THHN STRANDED WIRING TO BE USED FOR DISTRIBUTION PANEL FEEDER CIRCUITS UNLESS OTHERWISE NOTED, HVAC CONTROLS #18AWG THERMOSTAT CABLE.
- ALL INTERIOR CIRCUITS TO BE WIRED IN MINIMUM 3/4" EMT CONDUIT.
- ALL EXTERIOR CIRCUITS TO BE WIRED IN MINIMUM 3/4" RIGID CONDUIT.
- ALL CABLES LOCATED IN A PLENUM SHALL BE SPECIFICALLY LISTED FOR USE WITHIN AN AIR HANDLING SPACE.
- ALL FIXTURES TO BE MOUNTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- BOND NEUTRAL PANEL TO GND IN PANEL AC-2 W/ #1/0 AWG GREEN MINIMUM.



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DRAWN BY	DATE																						
JL	6/7/2018																						
MATERIAL	VARIOUS CRS																						
FINISH	SEE NOTE																						
						DRAWING REF: XXX	DO NOT SCALE DRAWING	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GLOBAL POWER COMPONENTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF GLOBAL POWER COMPONENTS IS PROHIBITED.															

E6

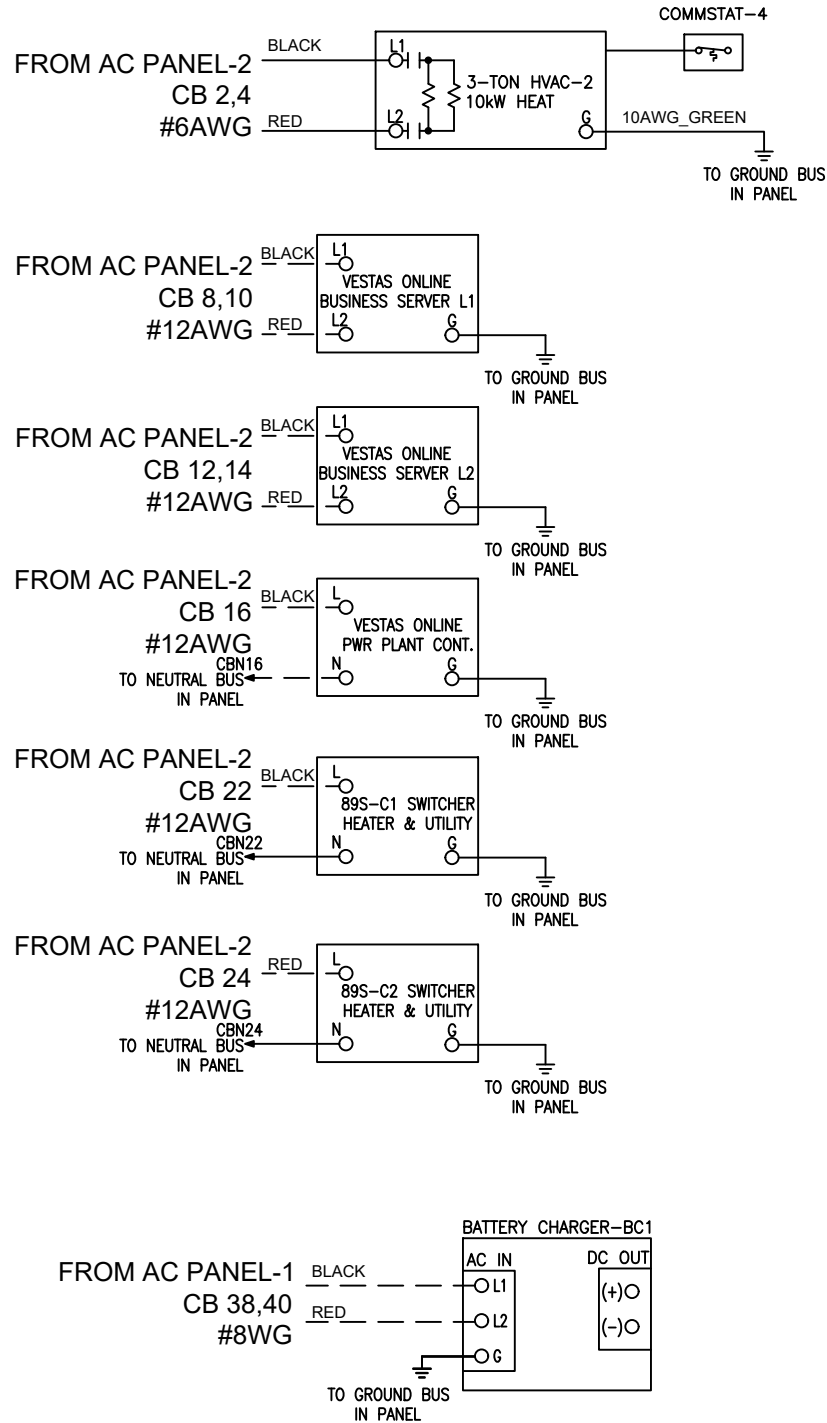
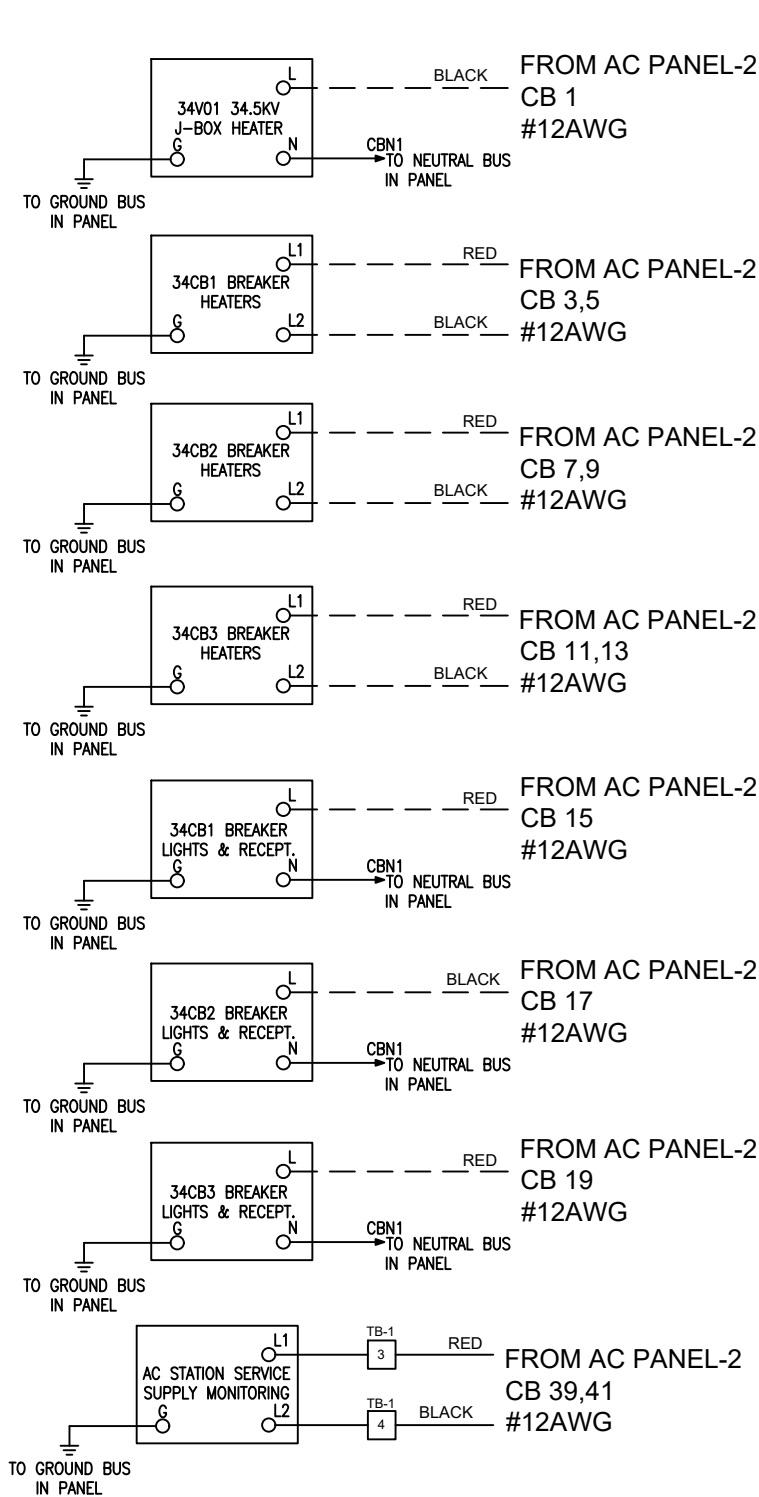
OF
E9

- * - PROVIDED BY OTHERS
--- GPC WIRING
--- WIRING BY OTHERS

ALARM BOX
XX TERMINAL BLOCK
NUMBER

NOTES:

- MINIMUM 12AWG THHN STRANDED WIRING TO BE USED FOR DISTRIBUTION PANEL FEEDER CIRCUITS UNLESS OTHERWISE NOTED, HVAC CONTROLS #18AWG THERMOSTAT CABLE.
- ALL INTERIOR CIRCUITS TO BE WIRED IN MINIMUM 3/4" EMT CONDUIT.
- ALL EXTERIOR CIRCUITS TO BE WIRED IN MINIMUM 3/4" RIGID CONDUIT.
- ALL CABLES LOCATED IN A PLENUM SHALL BE SPECIFICALLY LISTED FOR USE WITHIN AN AIR HANDLING SPACE.
- ALL FIXTURES TO BE MOUNTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



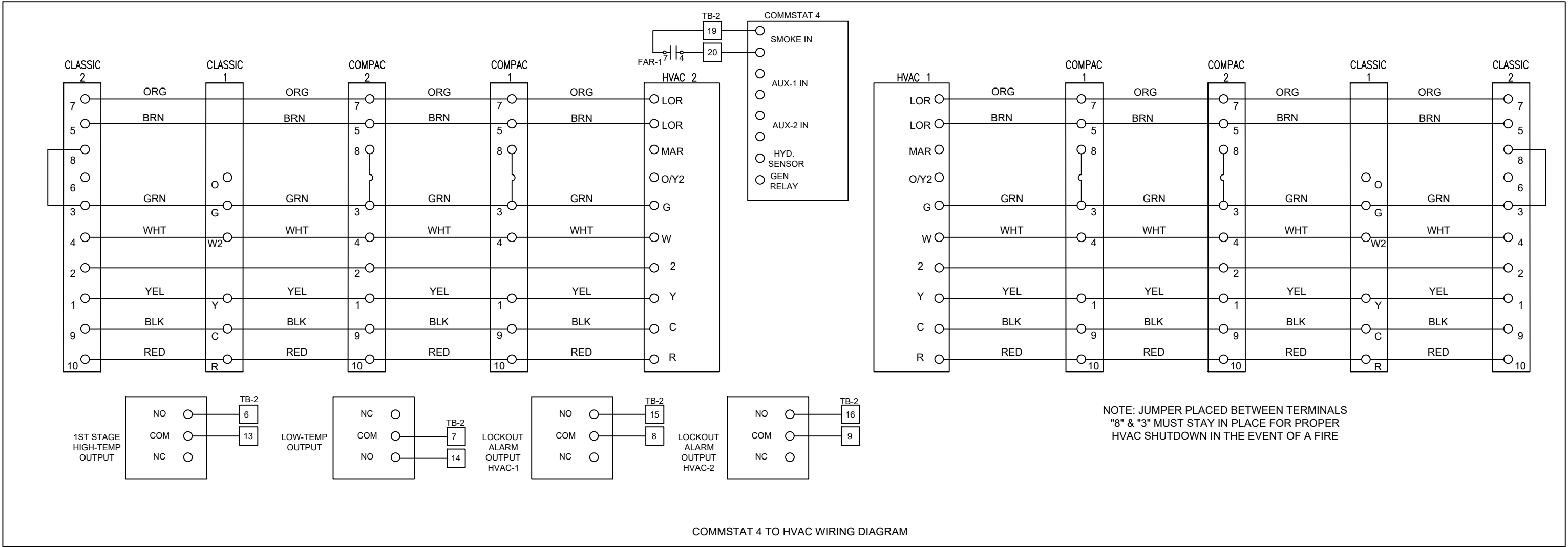
REV	DESCRIPTION	DATE	APPR.	 GLOBAL POWER COMPONENTS	GLOBAL POWER COMPONENTS	CUSTOMER I/D: EP2	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	THIRD ANGLE PROJECTION	DRAWN BY JL	DATE 6/7/2018	DESCRIPTION AC PANEL-2 DETAIL			
					2300 S 51ST ST MILWAUKEE, WI 53219	JOB REF:	THE TOLERANCES ARE:		MATERIAL VARIOUS CRS			SIZE B	DWG. NO. 45-30695	REV. 5
					PH (414) 475-3000 FAX (414) 475-3441	DRAWING REF: XXX	ONE PLACE .X ± .1 TWO PLACE .XX ± .06 ANGLE ± 2° HOLE DIA. ± .005	DO NOT SCALE DRAWING	FINISH SEE NOTE			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GLOBAL POWER COMPONENTS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GLOBAL POWER COMPONENTS IS PROHIBITED.		
					www.globalpowercomponents.com									

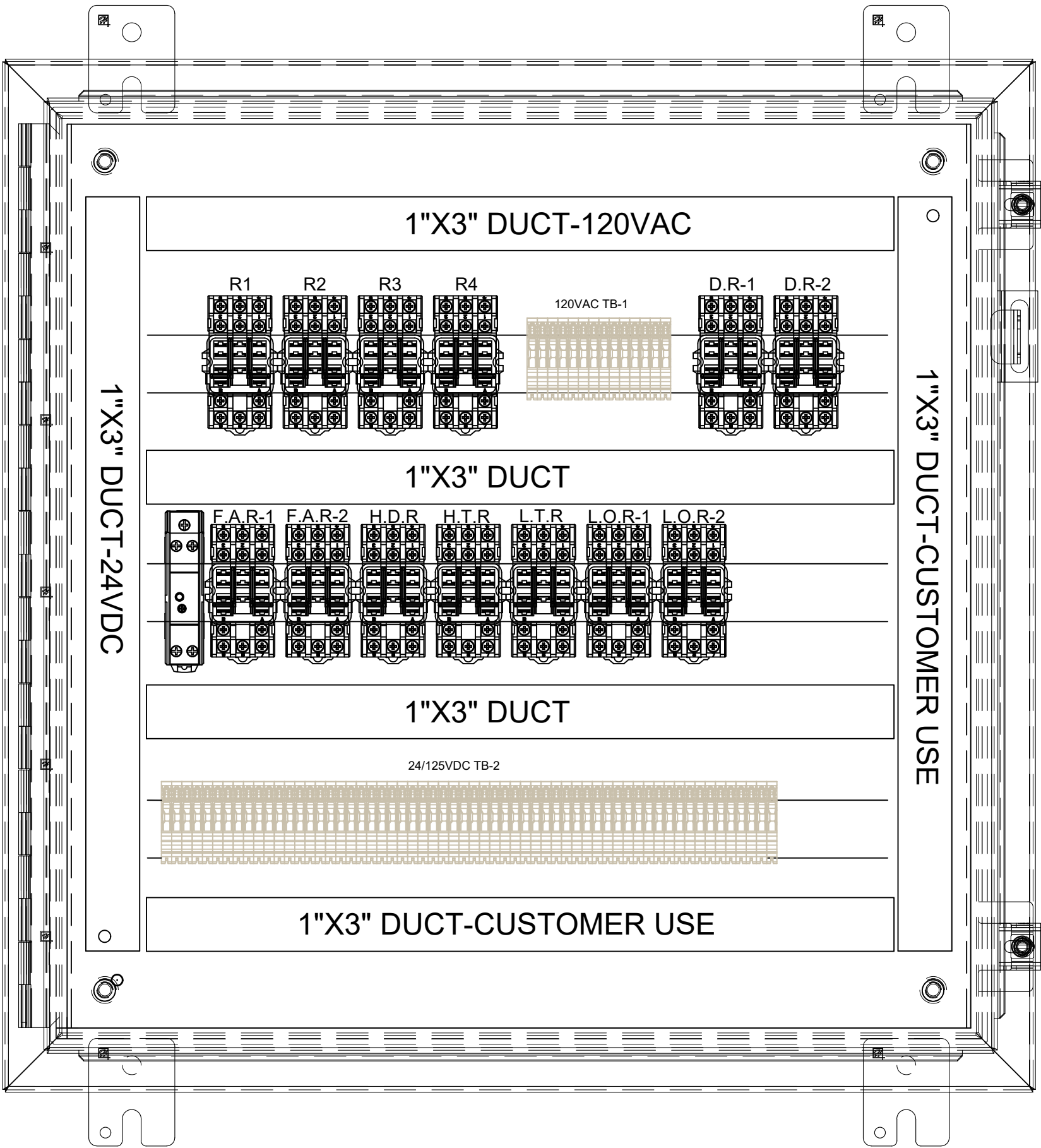
* - PROVIDED BY OTHERS
--- GPC WIRING
--- WIRING BY OTHERS

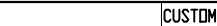
ALARM BOX
xx TERMINAL BLOCK
NUMBER

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- ALL EXTERIOR CIRCUITS TO BE WIRED IN MINIMUM 3/4" RIGID CONDUIT.
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					JOB REF:		MATERIAL VARIOUS CRS		SEE NOTE						
					DRAWING REF: XXX		FINISH								

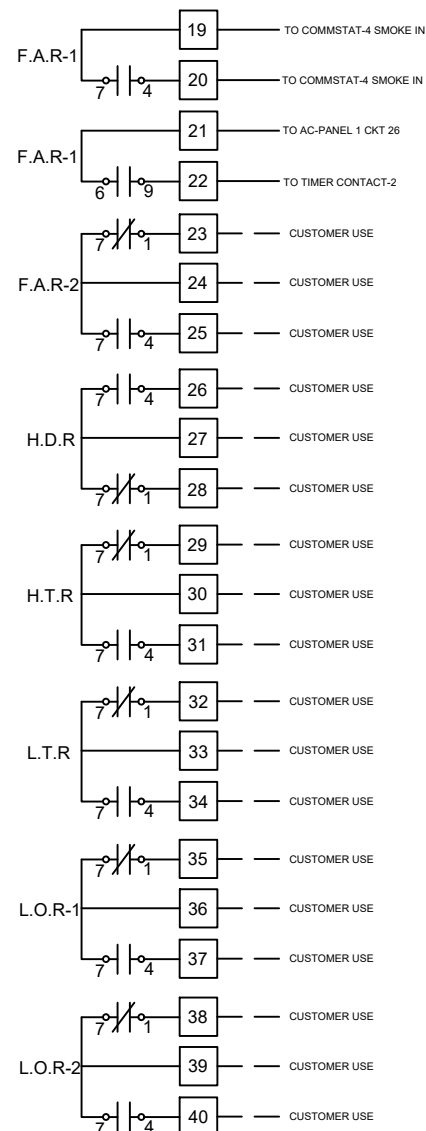
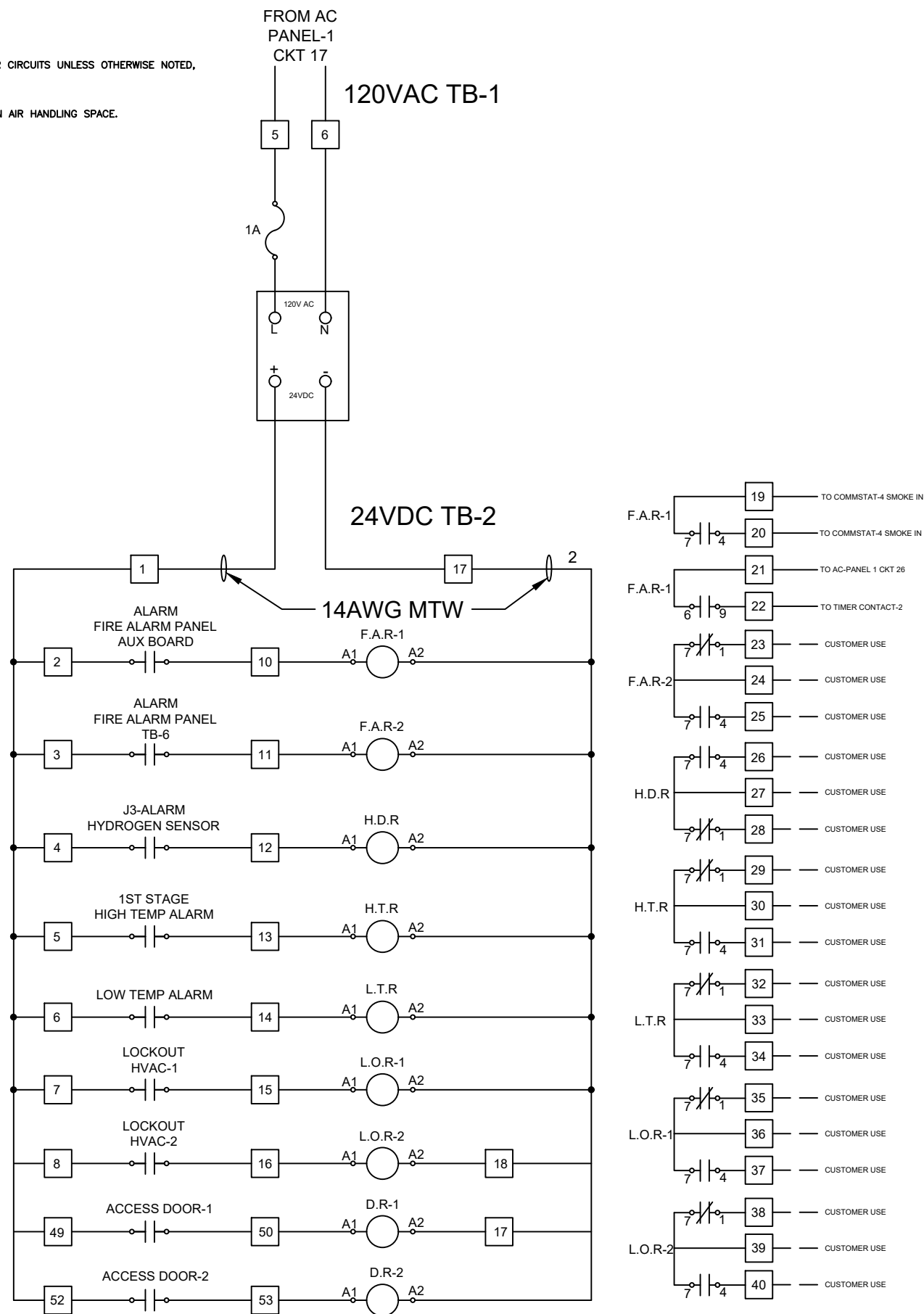


XX ALARM BOX
TERMINAL BLOCK NUMBER

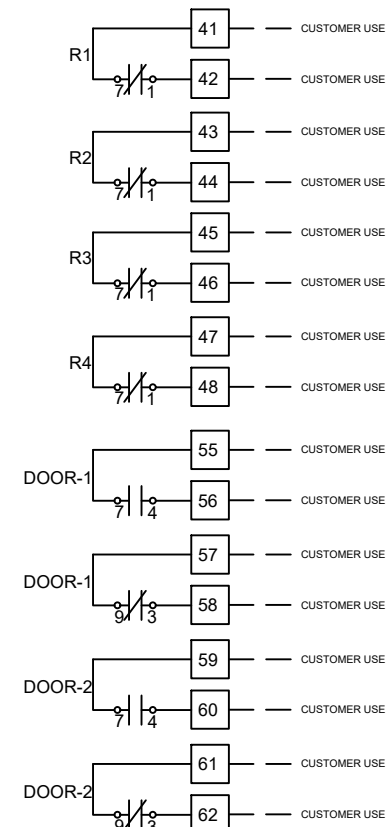
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- ALL INTERIOR CIRCUITS TO BE WIRED IN MINIMUM $\frac{3}{4}$ " EMT CONDUIT.
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R1 - UNDER-VOLTAGE RELAY 1
R2 - UNDER-VOLTAGE RELAY 2
R3 - UNDER-VOLTAGE RELAY 3
R4 - UNDER-VOLTAGE RELAY 4
FAR - 1 - FIRE ALARM RELAY- AUX BOARD
FAR - 2 - FIRE ALARM RELAY- TB6
HDR - HYDROGEN DETECTOR RELAY
HTR - HIGH TEMP RELAY
LTR - LOW TEMP RELAY
LOR - 1 - LOCKOUT RELAY - HVAC 1
LOR - 2 - LOCKOUT RELAY - HVAC 2



125V AC/DC RATED CONTACTS TB-2



REV	DESCRIPTION	DATE	APPR.	 GLOBAL POWER COMPONENTS	GLOBAL POWER COMPONENTS 2300 S 51ST ST MILWAUKEE, WI 53219 PH (414) 475-3000 FAX (414) 475-3441 www.globalpowercomponents.com	CUSTOMER I/D: EP2 JOB REF: DRAWING REF: XXX	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES THE TOLERANCES ARE: ONE PLACE .X ± .1 TWO PLACE .XX ± .06 ANGLE ± 2° HOLE DIA ± .005	 DO NOT SCALE DRAWING	<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>JL</td><td>6/7/2018</td></tr><tr><td colspan="2">MATERIAL</td></tr><tr><td colspan="2">VARIOUS CRS</td></tr><tr><td colspan="2">FINISH</td></tr></table>	DRAWN BY	DATE	JL	6/7/2018	MATERIAL		VARIOUS CRS		FINISH		DESCRIPTION ALARM BOX DETAIL-SCHEMATIC		
DRAWN BY	DATE																					
JL	6/7/2018																					
MATERIAL																						
VARIOUS CRS																						
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				SIZE B	DWG. NO. 45-30695	REV. 5																
				THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GLOBAL POWER COMPONENTS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GLOBAL POWER COMPONENTS IS PROHIBITED.																		