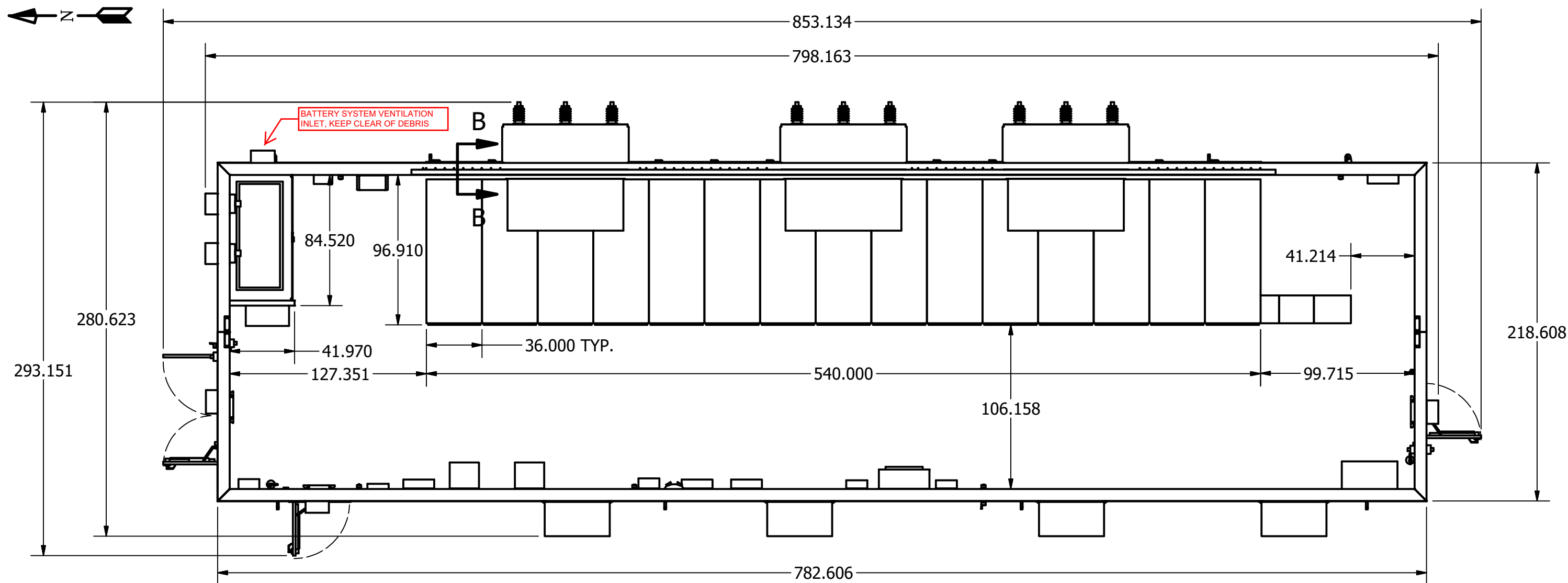


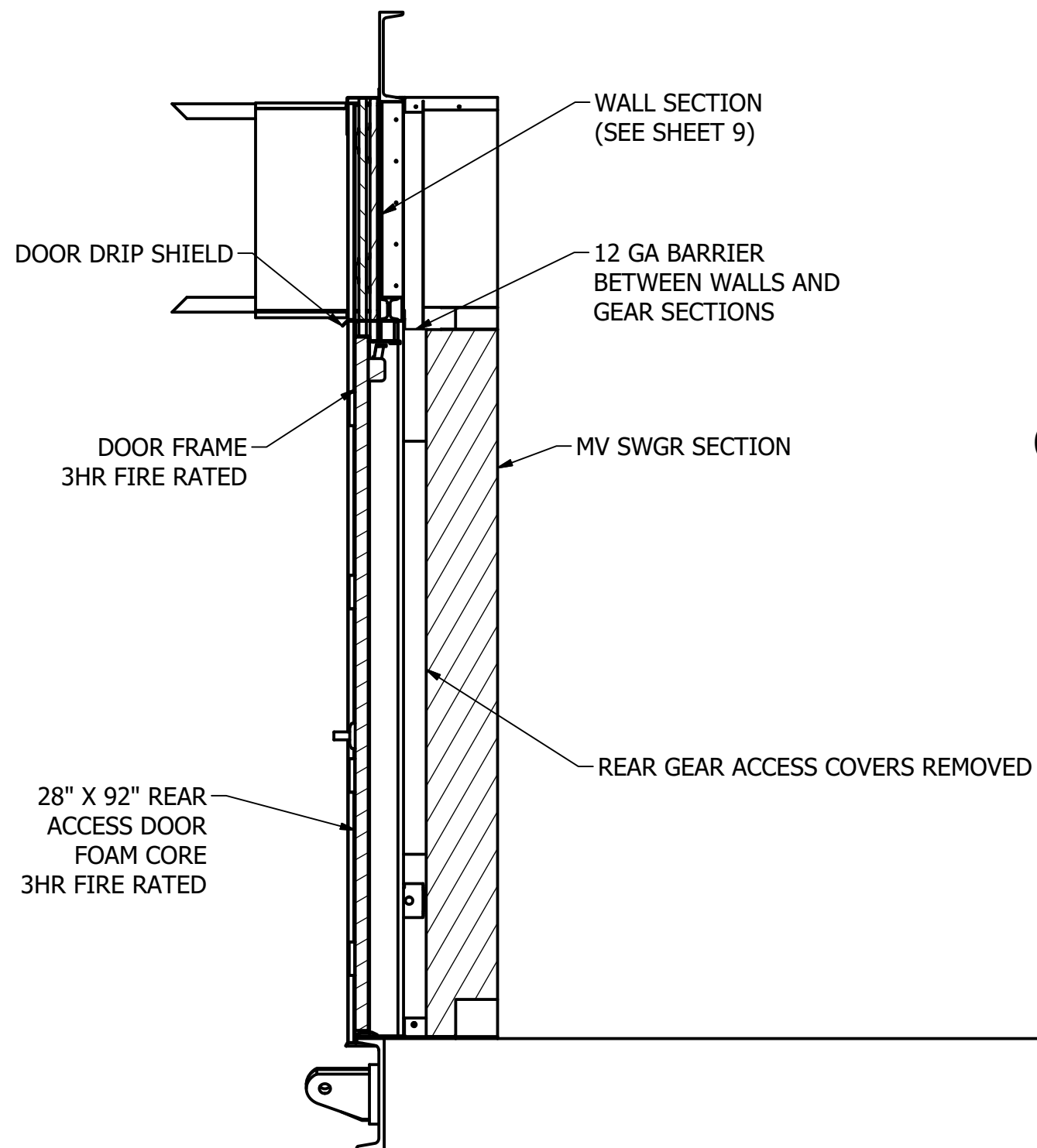


NOTES:

- 1. EXTERIOR COLOR SHALL BE CARLSBAD CANYON. INTERIOR COLOR TO BE WHITE. FLOOR SHALL BE COVERED WITH A NON-SKID COATING.
- 2. SEE SHEET 2 FOR SECTION B-B, SWITCHGEAR REAR ACCESS DETAILS.
- 3. INSULATION VALUES:
FLOOR: R-11
WALLS: R-19
ROOF: R-30
- 4. SKID TO BE FIELD LEVELED, JOINED, AND ANCHORED BY CUSTOMER TO PIERS. (SEE SHEET 12)
- 5. APPROXIMATE WEIGHTS: (DOES NOT INCLUDE FIELD INSTALLED EQUIPMENT AND CABLES)
EAST SKID: 115,000 lbs.
WEST SKID: 60,000 lbs.
- 6. ALL DIMENSIONS ARE IN INCHES.

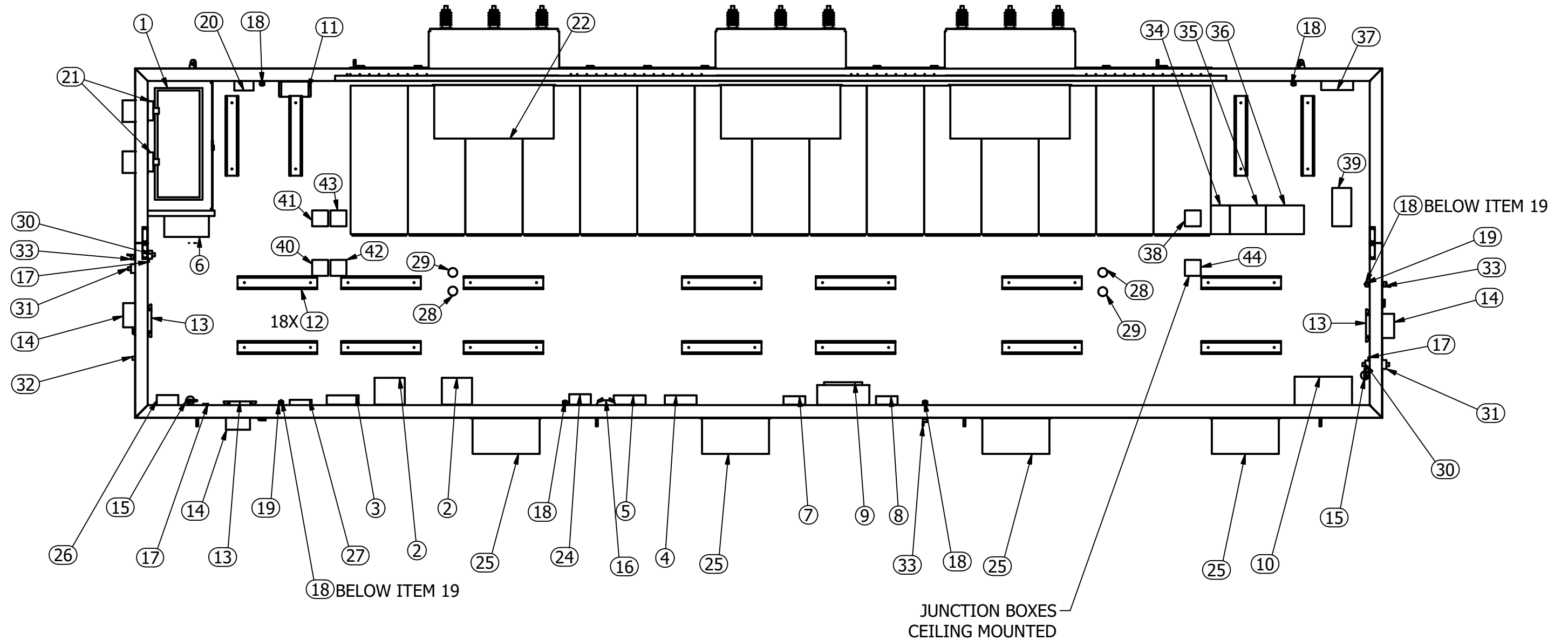
REVISION HISTORY		
REV	DESCRIPTION	DATE
1	AS-BUILT DRAWING	8/3/2010

 METRON, INC. DENVER, CO.	MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING PLAN VIEW		
DRAWN	AEMANUEL	SIZE	DWG NO.
CHECK		B	Y101006-62510
APPD		SCALE	
		SHEET 1 OF 15	

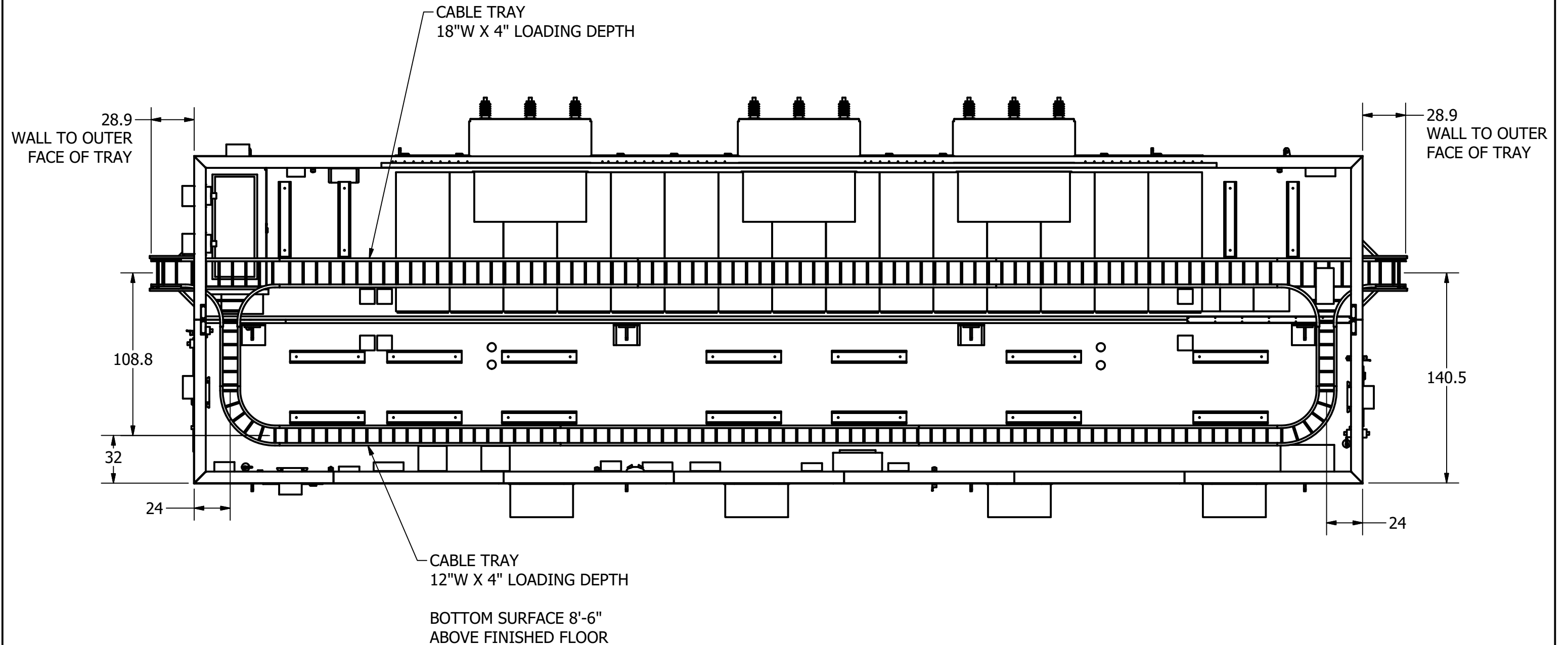
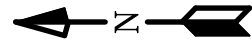


SECTION B-B
(SOME COMPONENTS NOT SHOWN)

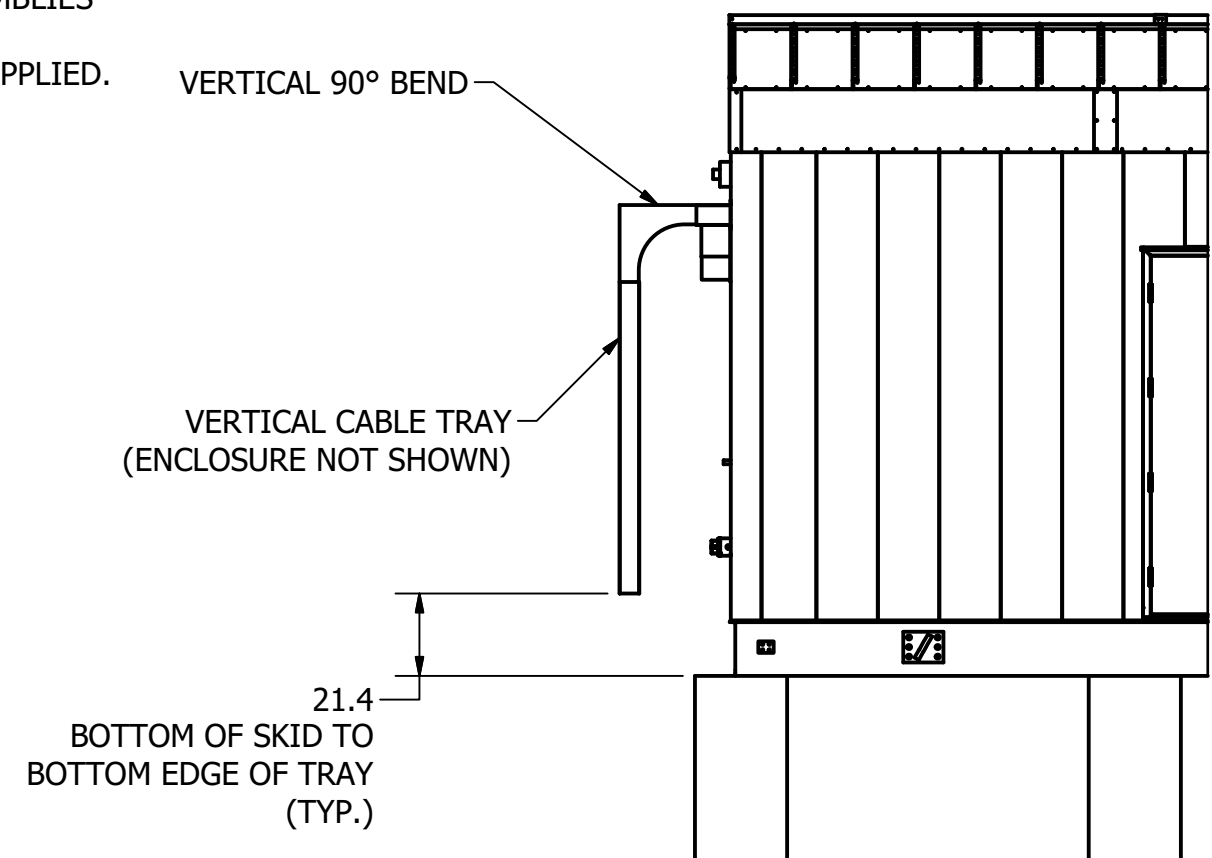
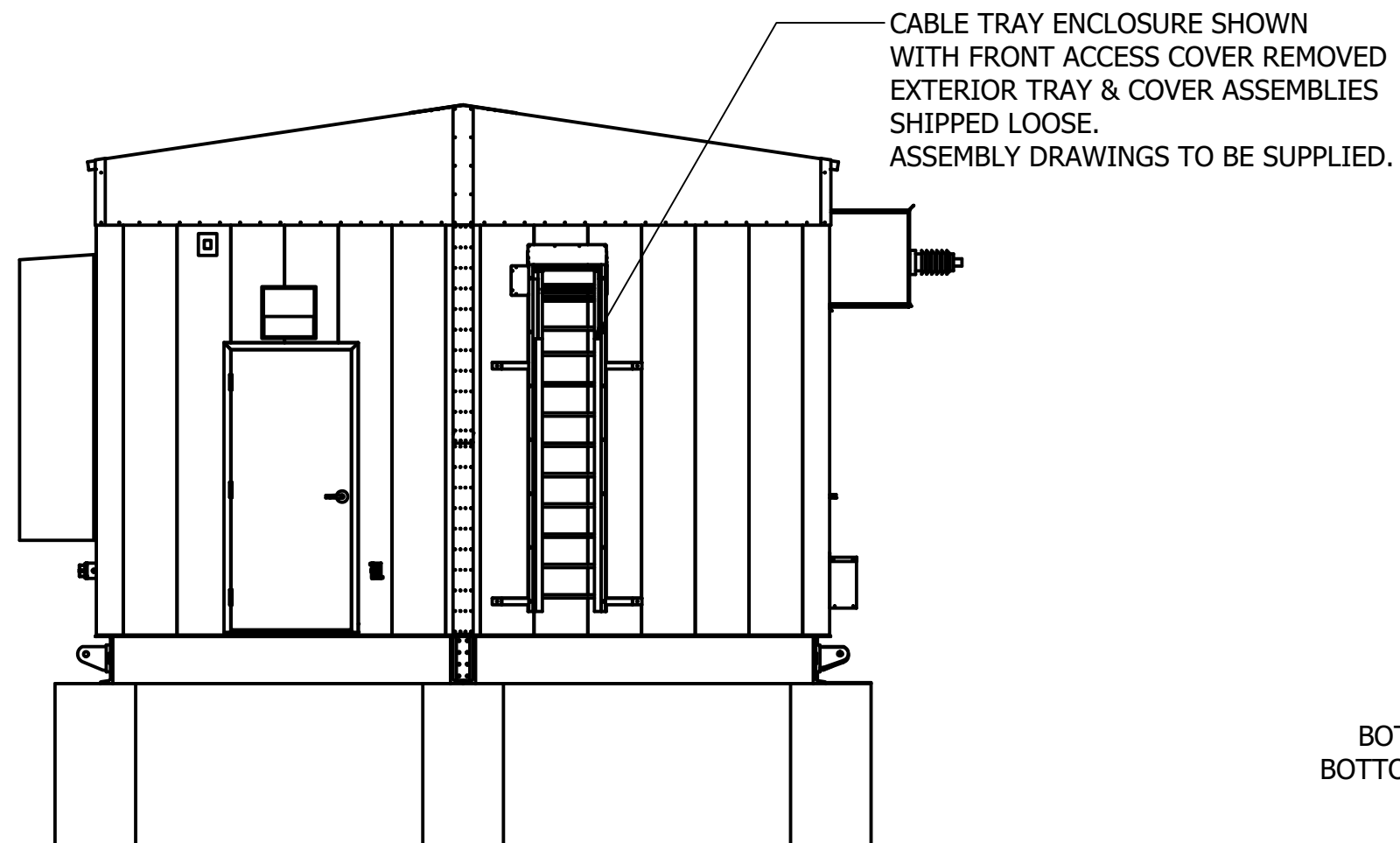
 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING SWITCHGEAR REAR ACCESS DETAIL		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 2 OF 15



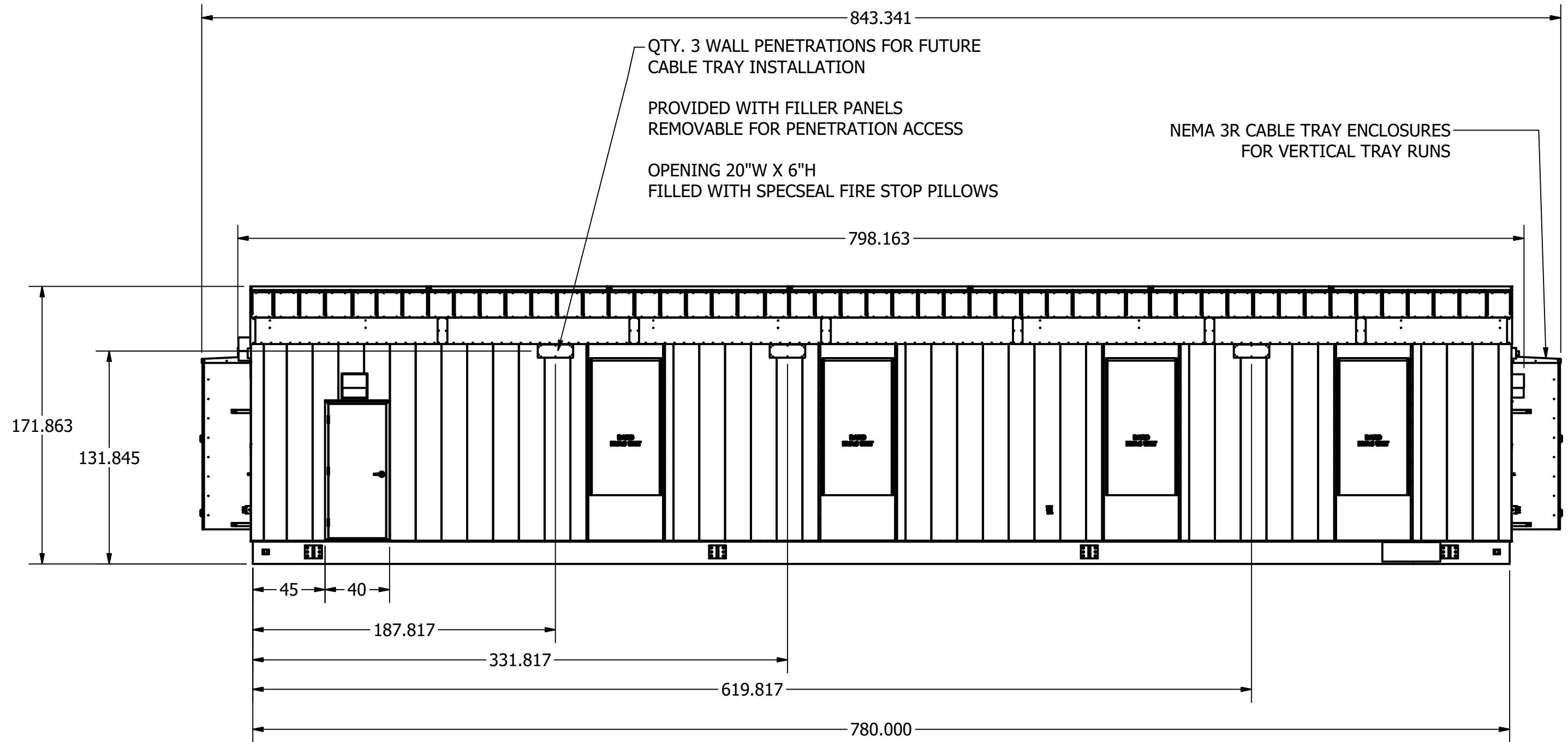
 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING ELECTRICAL PLAN VIEW		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 3 OF 15



 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING CABLE TRAY LAYOUT		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 4 OF 15

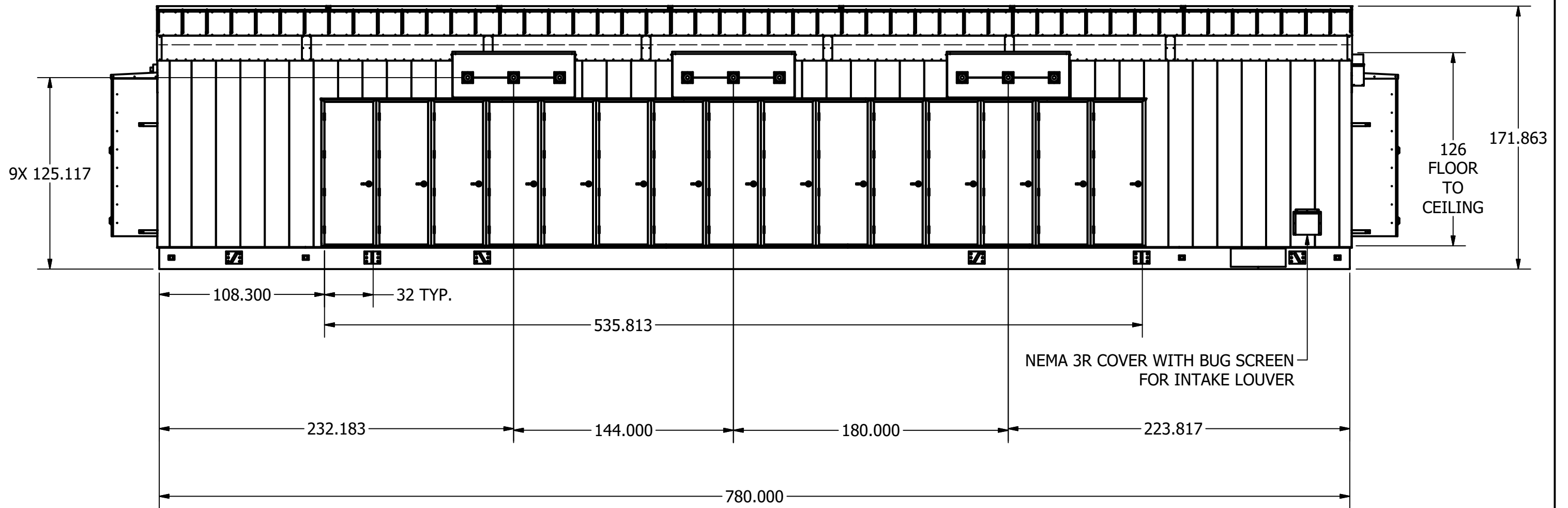


 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING CABLE TRAY EXTERIOR ENCLOSURES		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 5 OF 15



WEST ELEVATION VIEW

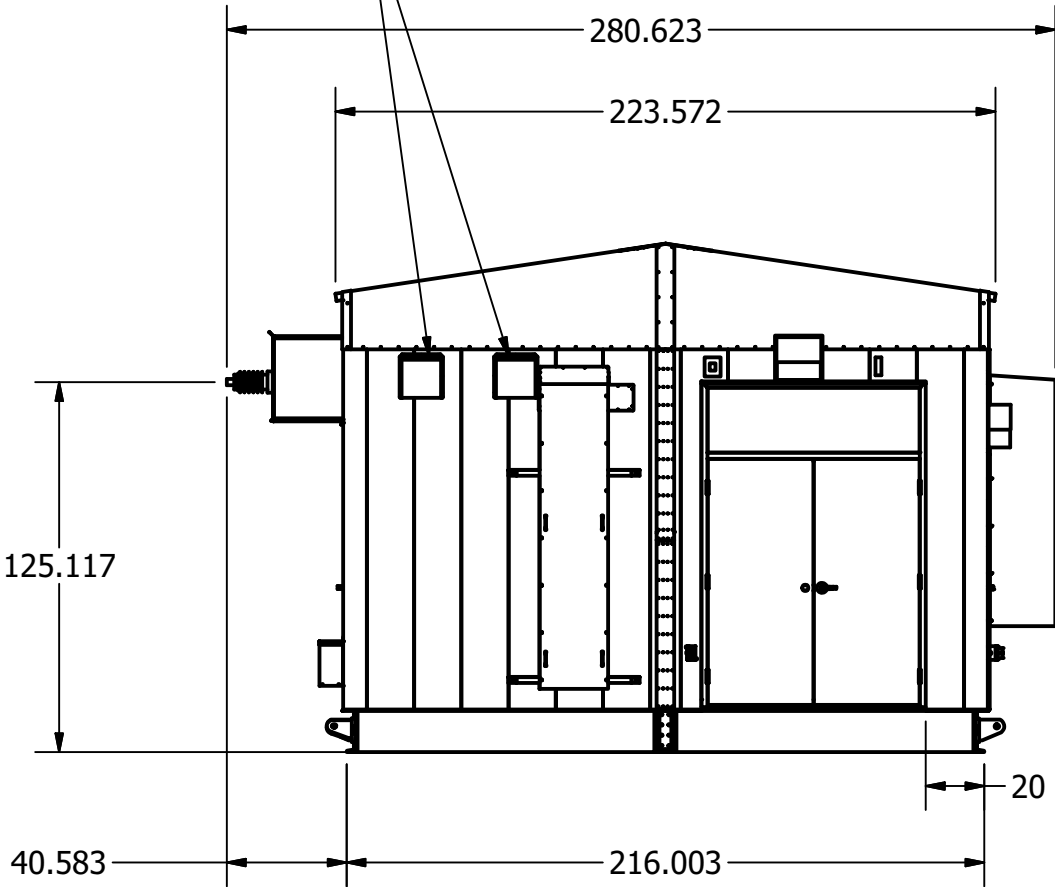
 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING WEST ELEVATION		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 6 OF 15



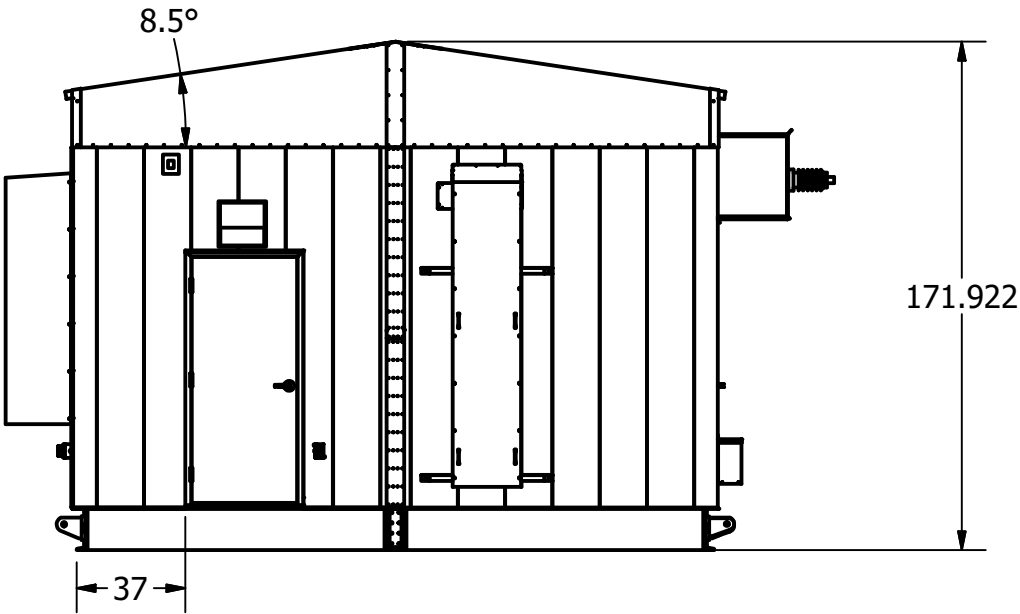
EAST ELEVATION VIEW

 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING EAST ELEVATION		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 7 OF 15

NEMA 3R COVERS WITH BUG SCREEN
FOR EXHAUST FAN DISCHARGE

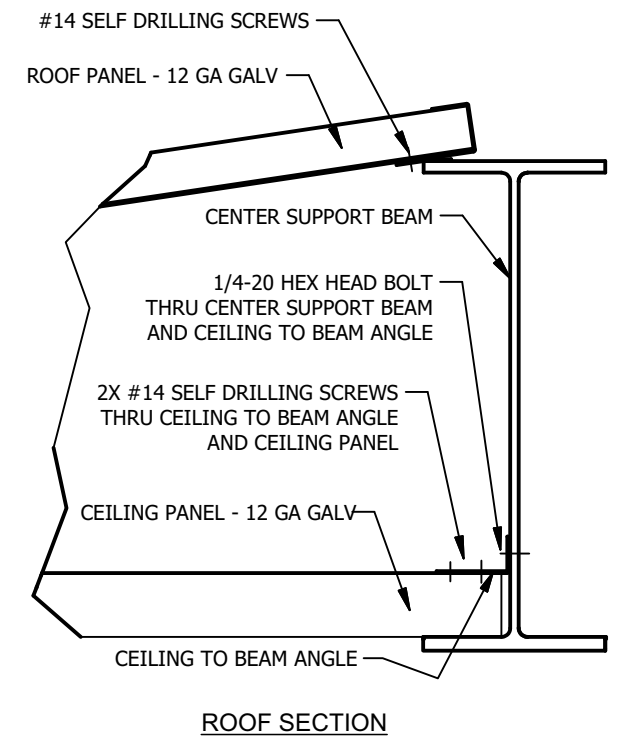
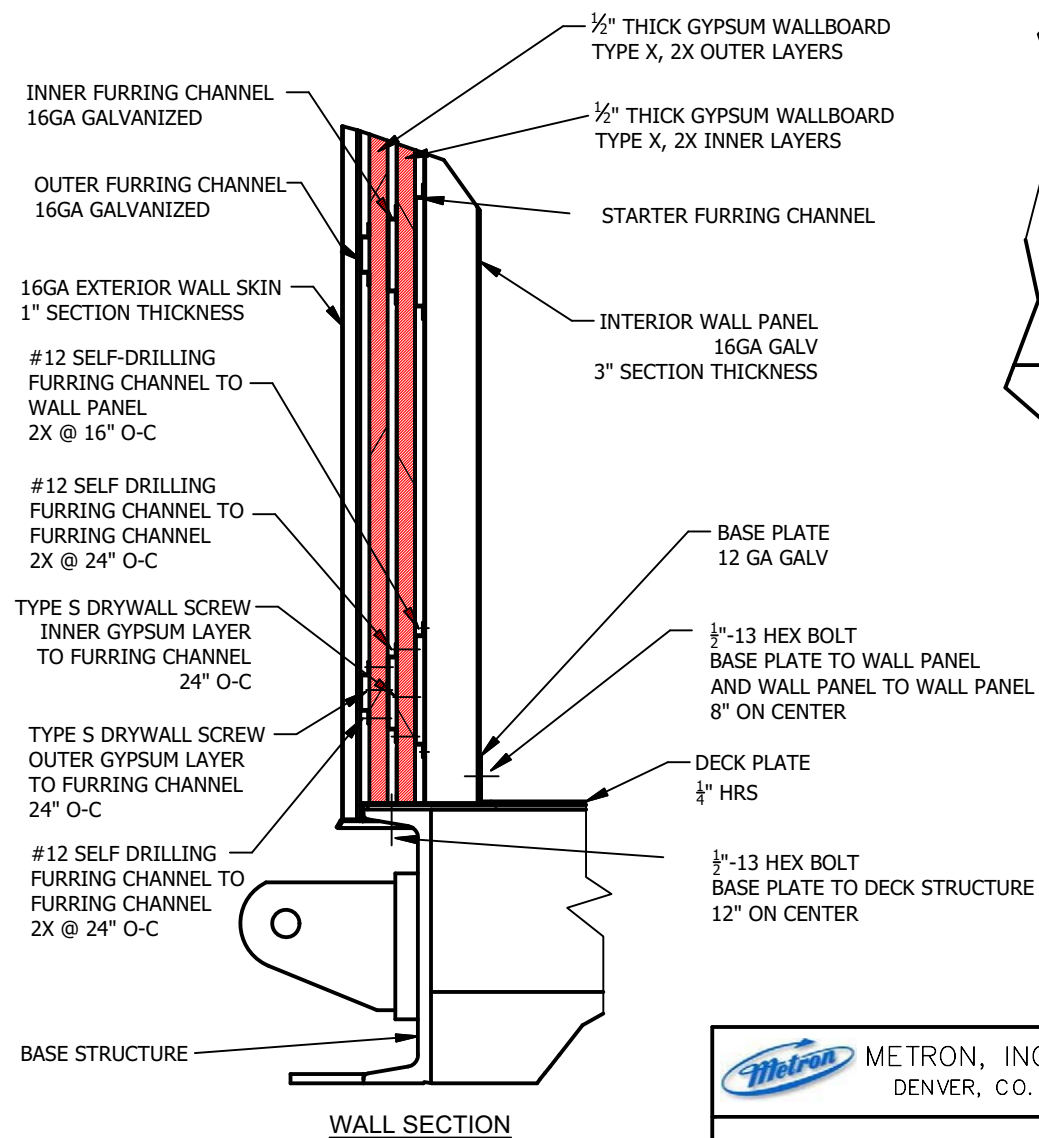
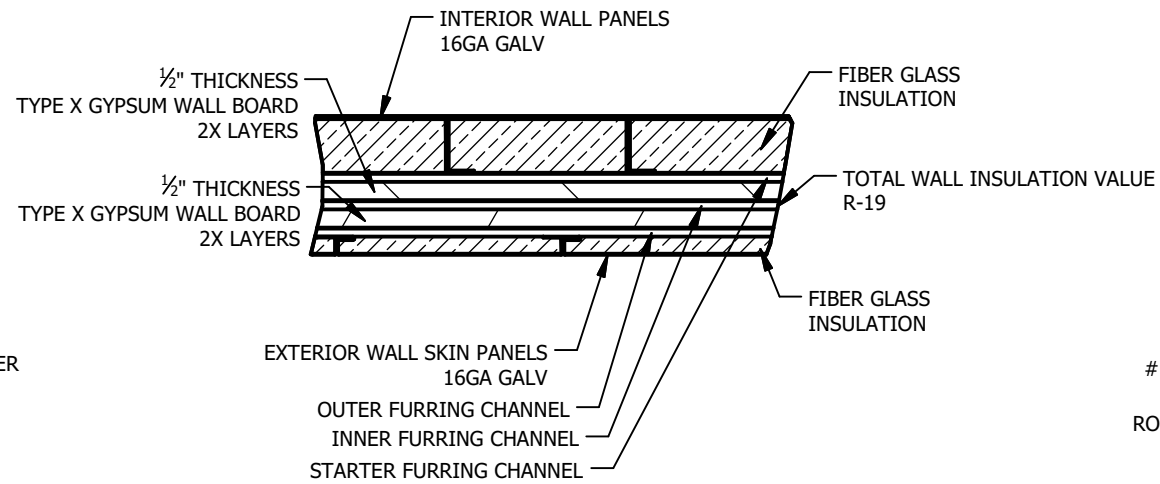
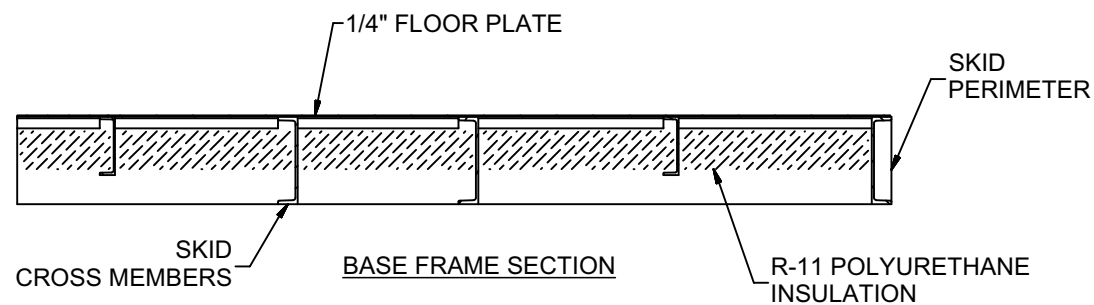
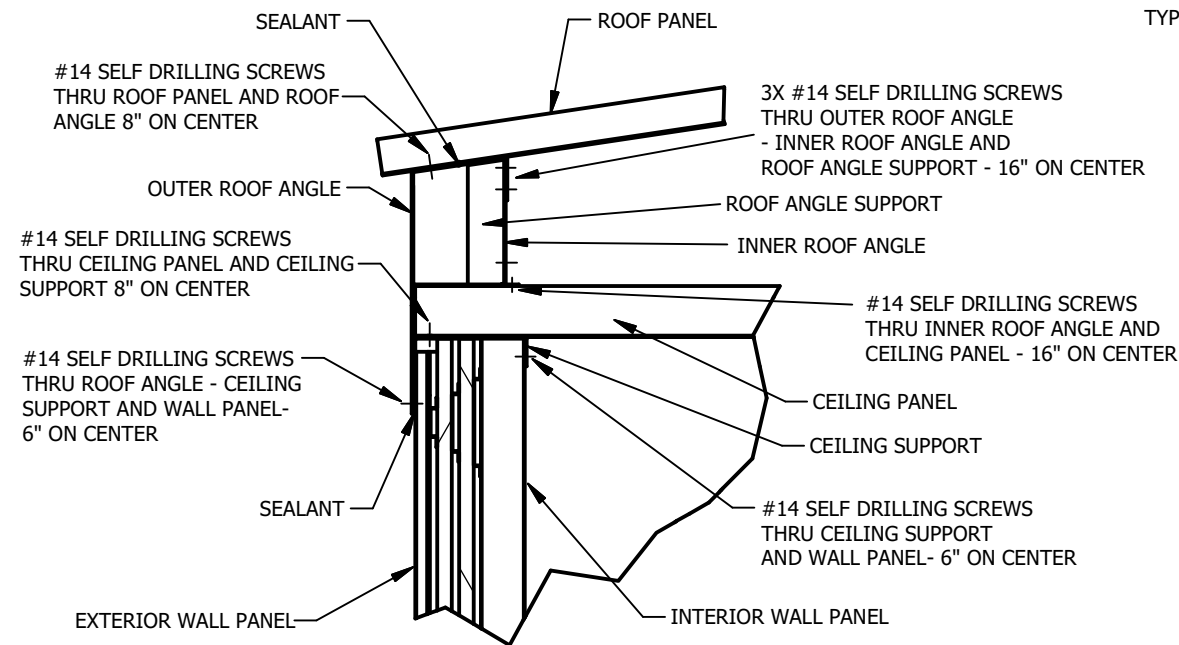


NORTH ELEVATION VIEW



SOUTH ELEVATION VIEW

 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING END WALL ELEVATION		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 8 OF 15

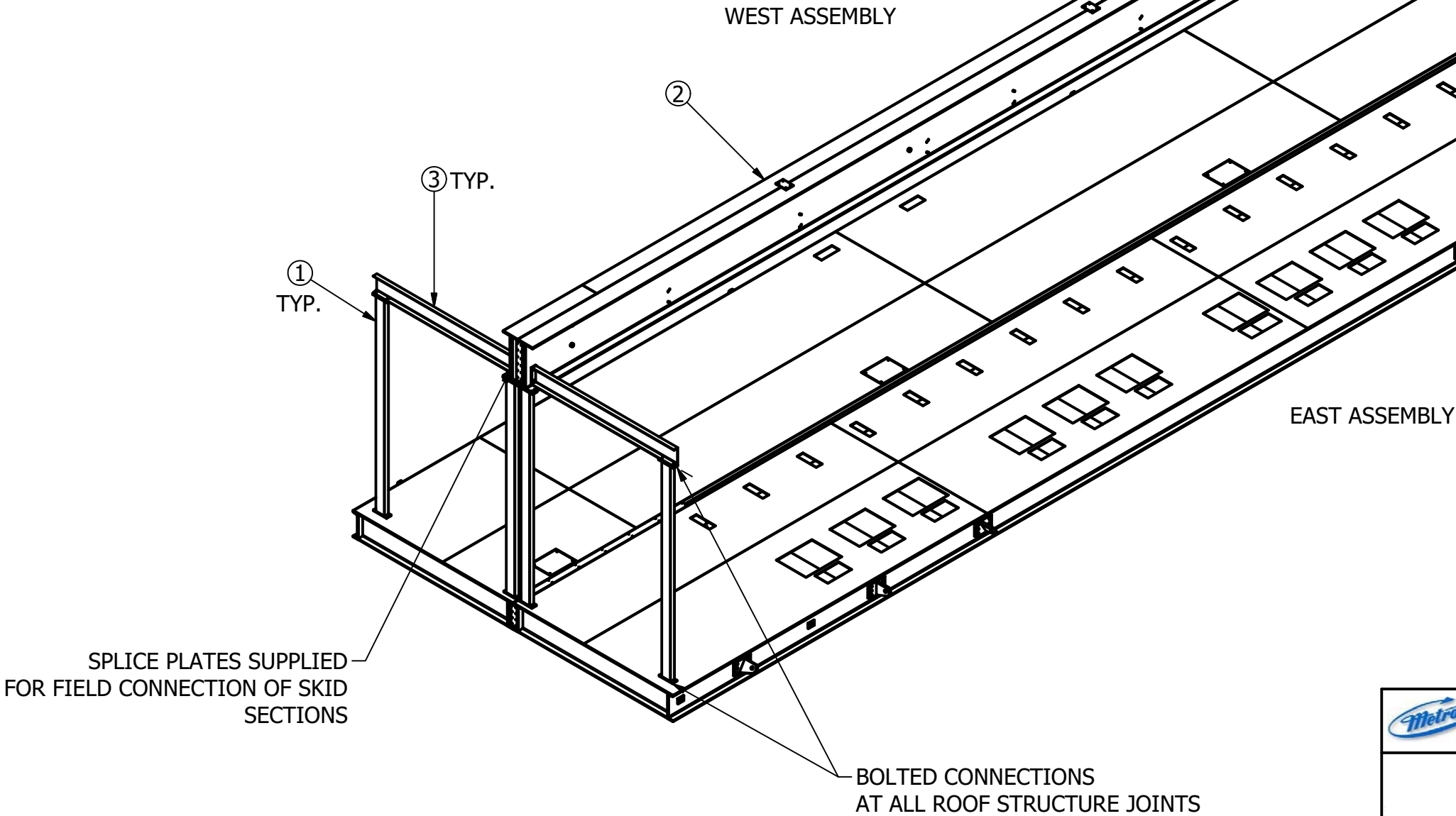


 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM		
		OUTLINE DRAWING BUILDING DETAILS		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET 9 OF 15

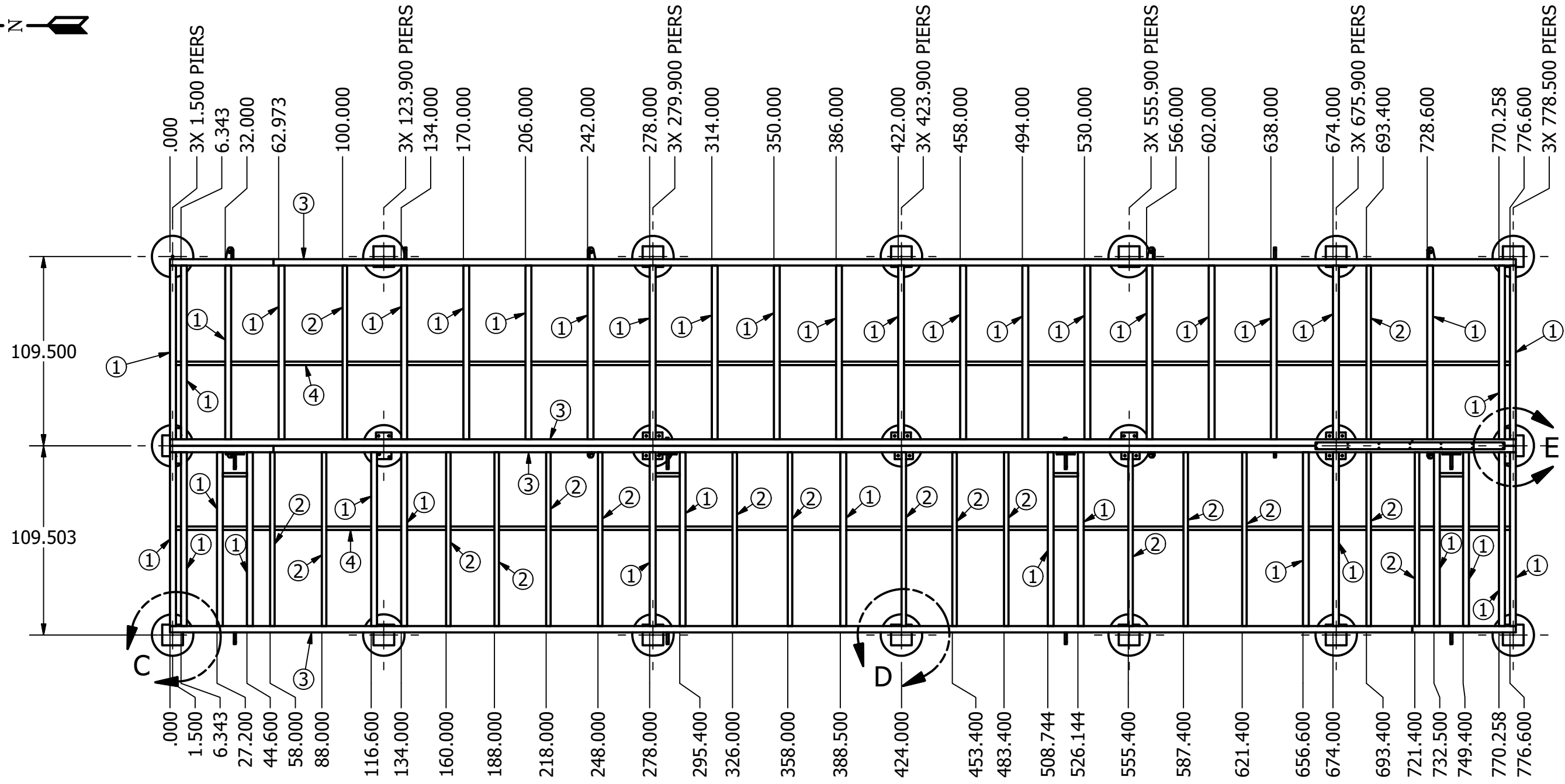
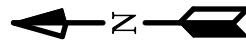
Parts List	
ITEM	PART NUMBER
1	6x3x3/16 - RECTANGLE TUBE
2	W 27x84 - W BEAM
3	C 10x15.3 C-CHANNEL

SECTIONS WILL BOLT TOGETHER AT
ROOF BEAMS, FLOOR, AND SKID FRAME

SPLICE PLATES/BATTON STRIPS SUPPLIED
FOR ALL EXTERIOR CONNECTIONS.



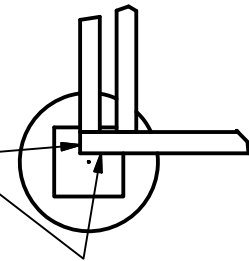
 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING SKID STRUCTURE		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET10 OF15



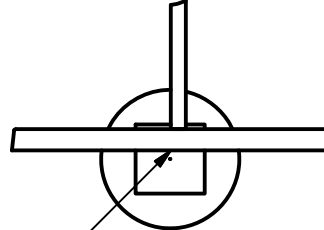
TYP EXTERIOR
PIER SKID CORNER
LOCATIONS

.3125 4.00

DETAIL C



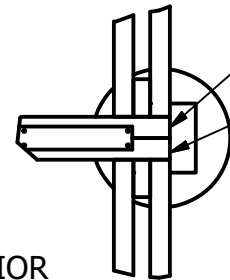
DETAIL D



.3125 4.00

TYP EXTERIOR
PIER SKID SIDE
LOCATIONS

DETAIL E



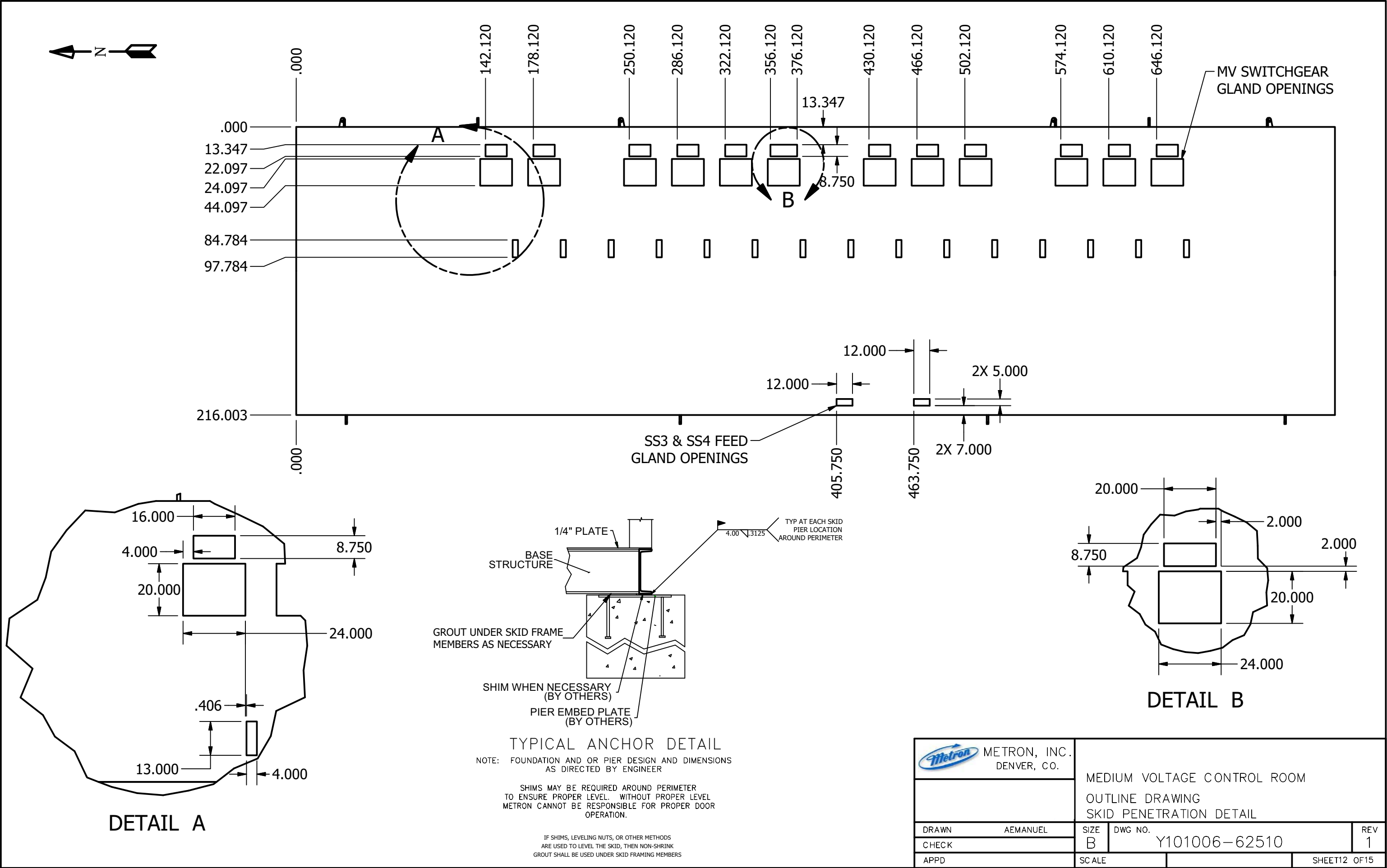
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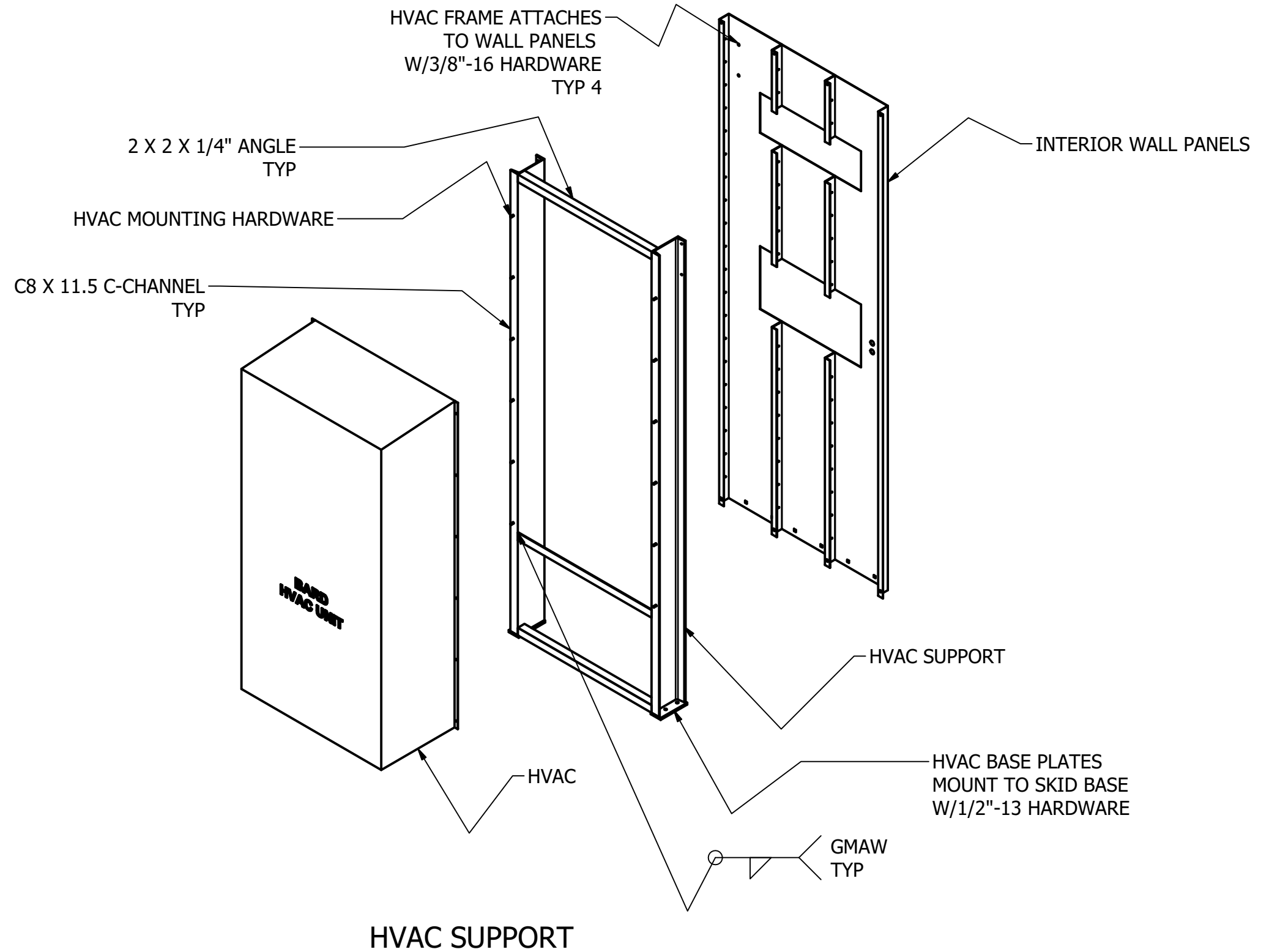
TYP EXTERIOR
PIER SKID CENTER
LOCATIONS

Parts List	
ITEM	PART NUMBER
1	C15x33.9 C-CHANNEL
2	C10x15.3 C-CHANNEL
3	C15x50.0 C-CHANNEL
4	2 x 2 x 1/4" ANGLE

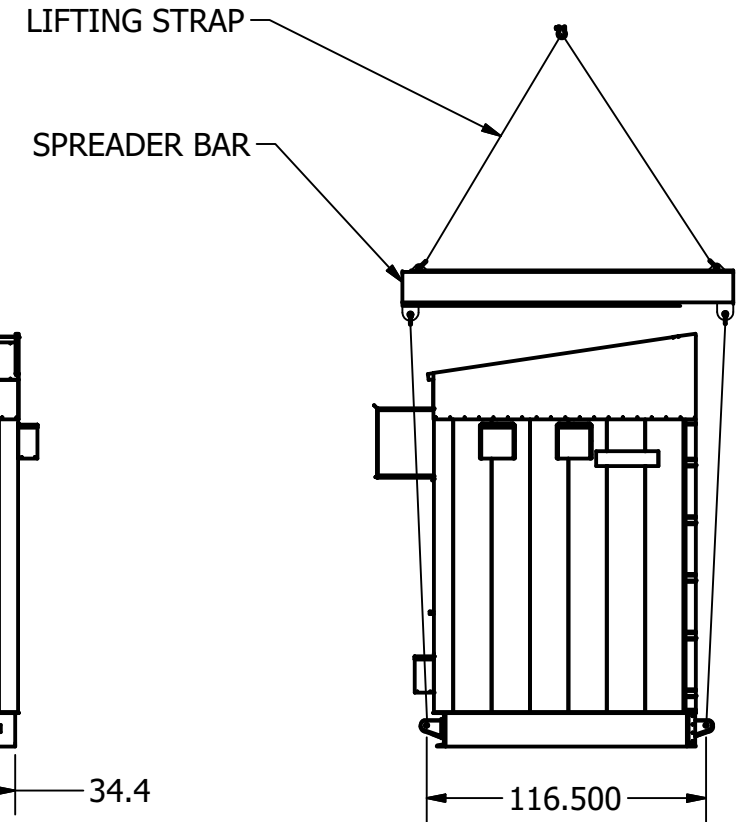
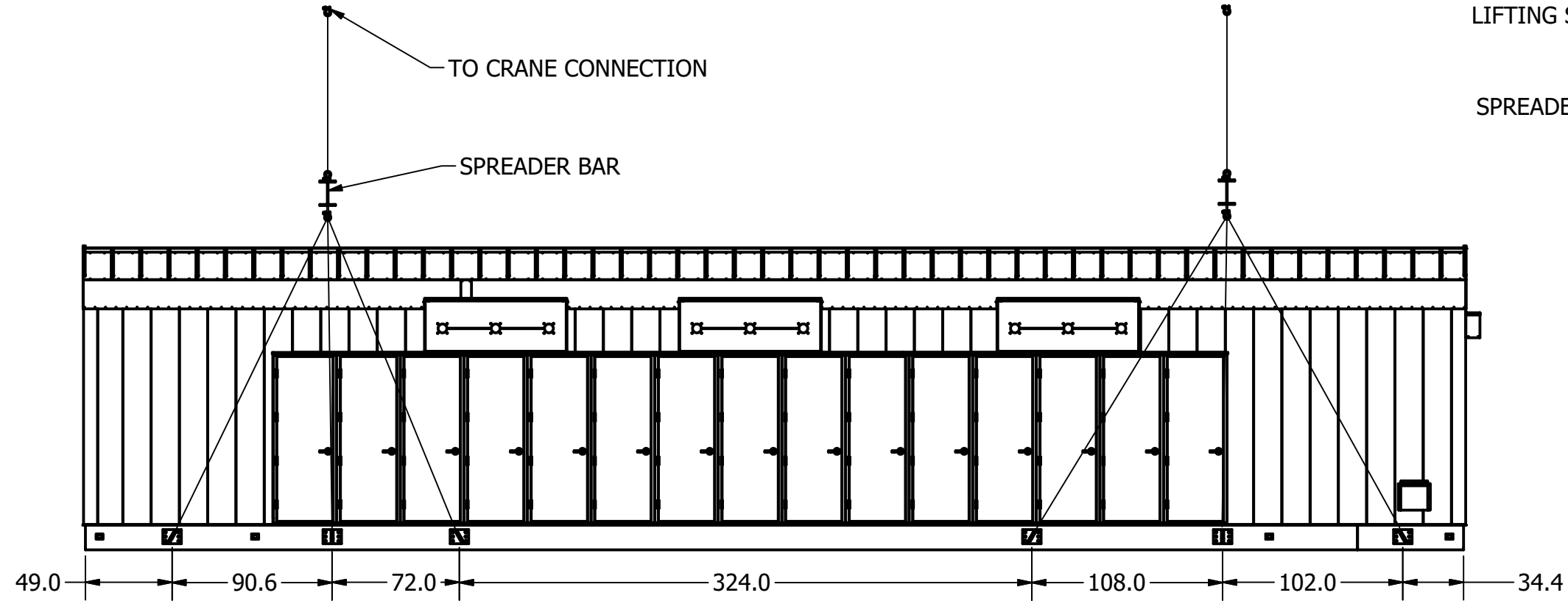
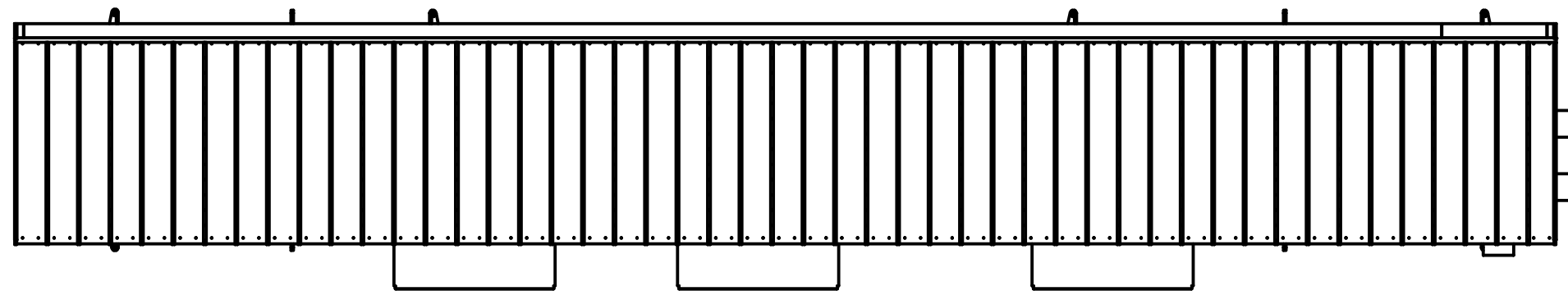
SEE SHEET 12
FOR ANCHOR DETAIL

 METRON, INC. DENVER, CO.	MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING SKID FRAME DETAIL		
DRAWN	AEMANUEL	SIZE	DWG NO.
CHECK		B	Y101006-62510
APPD		SCALE	SHEET11 OF15
		REV	1





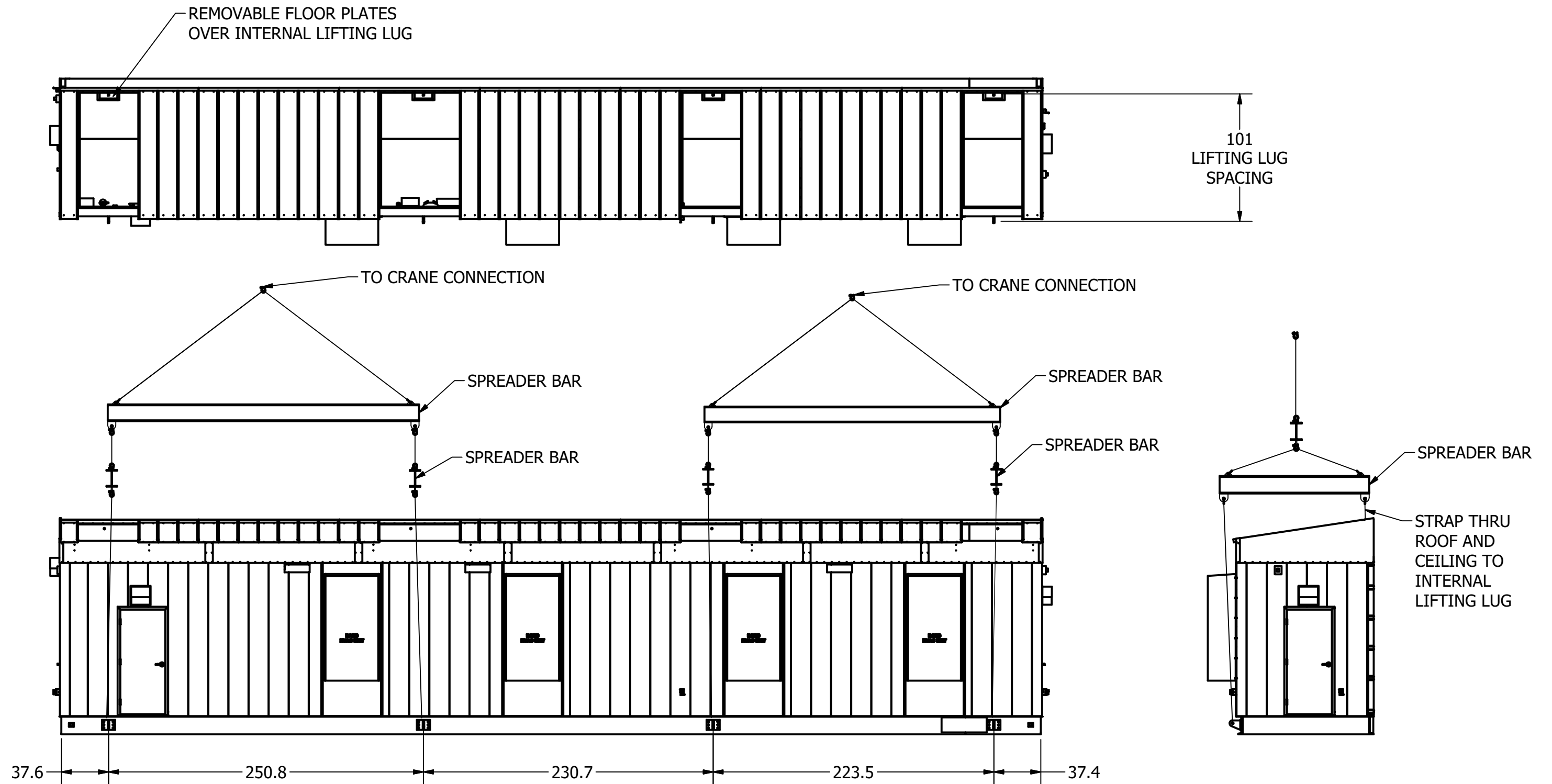
 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING HVAC INSTALLATION DETAILS		
DRAWN AEMANUEL	SIZE B	DWG NO. Y101006-62510	REV 1	
CHECK 	SCALE 		SHEET13 OF15	
APPD 				



NOTES:

1. EAST SECTION WEIGHT APPROXIMATELY 115,000 lbs.
2. PLACE EAST SECTION IN FINAL LOCATION AND SECURE TO PIERS BEFORE PLACING WEST SECTION.

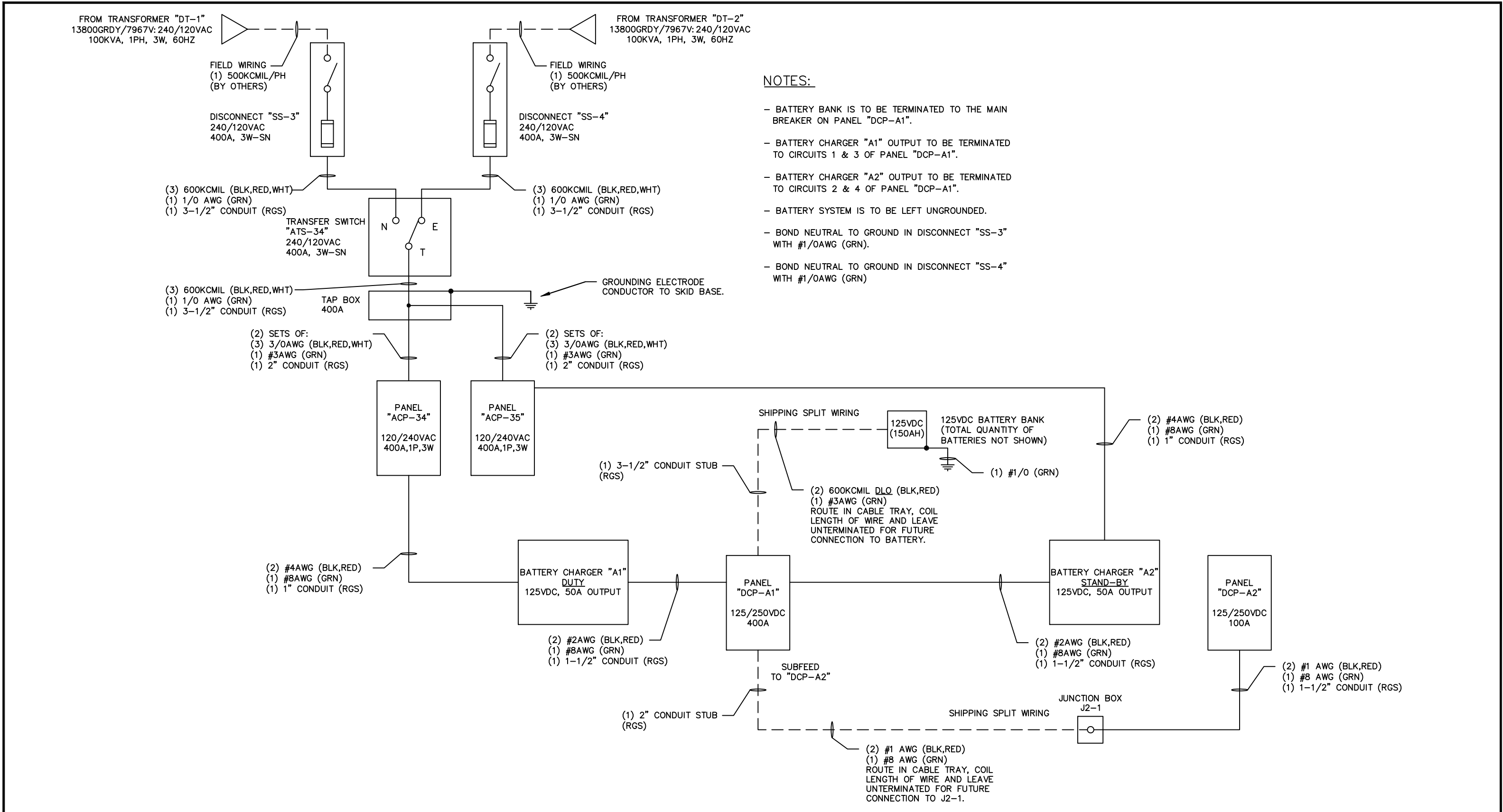
 METRON, INC. DENVER, CO.		MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING LIFTING DETAILS, EAST SECTION		
DRAWN	AEMANUEL	SIZE	DWG NO.	REV
CHECK		B	Y101006-62510	1
APPD		SCALE		SHEET14 OF15



NOTES:

1. WEST SECTION WEIGHT APPROXIMATELY 60,000 lbs.
2. PLACE WEST SECTION DIRECTLY ADJACENT TO EAST SECTION WITH CRANE.
REFER TO OPERATION MANUAL FOR CONNECTION PRODCEDURE.

 METRON, INC. DENVER, CO.	MEDIUM VOLTAGE CONTROL ROOM OUTLINE DRAWING LIFTING DETAILS, WEST SECTION		
DRAWN	AEMANUEL	SIZE	DWG NO.
CHECK		B	Y101006-62510
APPD		SCALE	SHEET15 OF15

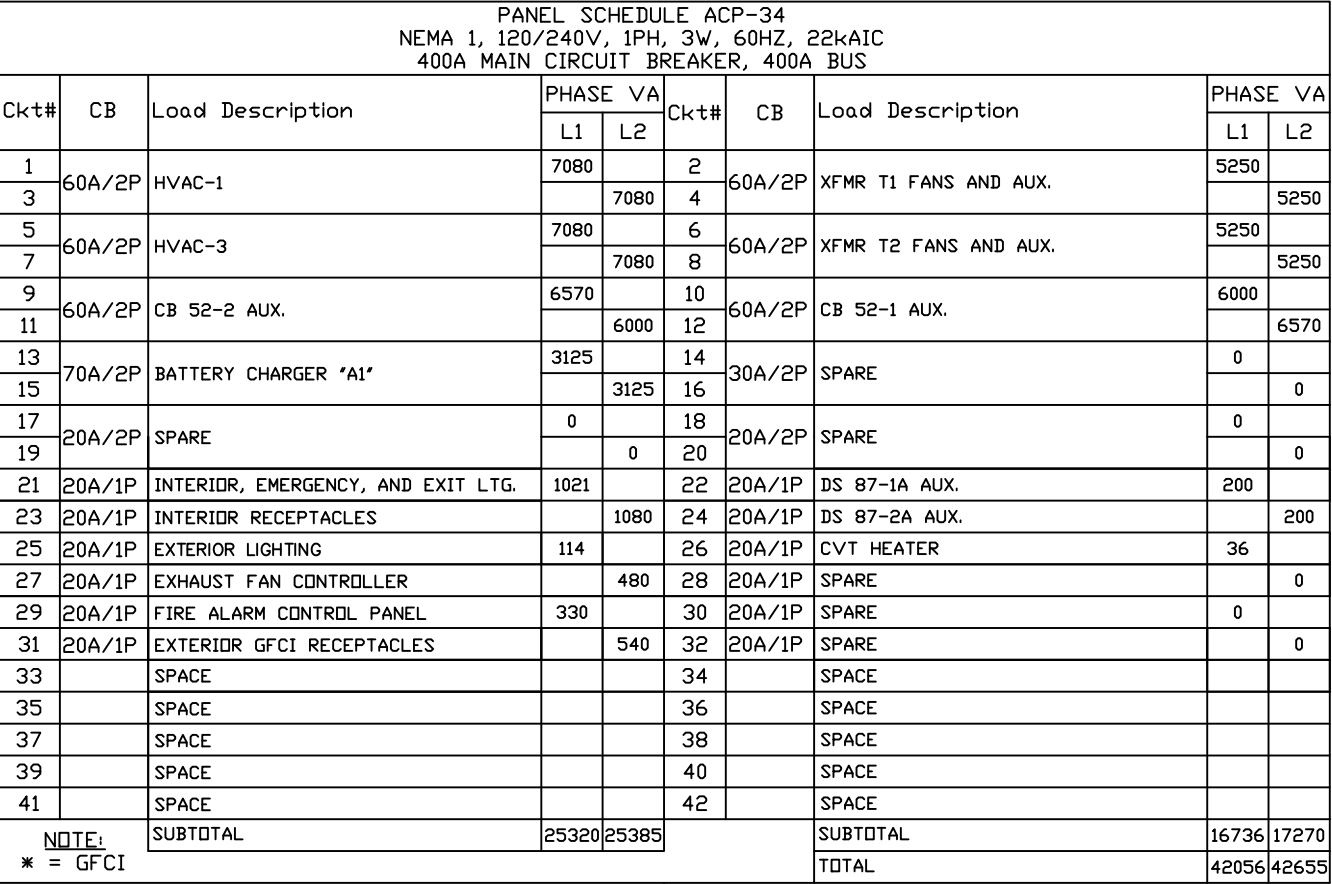


NOTES:

- BATTERY BANK IS TO BE TERMINATED TO THE MAIN BREAKER ON PANEL "DCP-A1".
- BATTERY CHARGER "A1" OUTPUT TO BE TERMINATED TO CIRCUITS 1 & 3 OF PANEL "DCP-A1".
- BATTERY CHARGER "A2" OUTPUT TO BE TERMINATED TO CIRCUITS 2 & 4 OF PANEL "DCP-A1".
- BATTERY SYSTEM IS TO BE LEFT UNGROUNDED.
- BOND NEUTRAL TO GROUND IN DISCONNECT "SS-3" WITH #1/0AWG (GRN).
- BOND NEUTRAL TO GROUND IN DISCONNECT "SS-4" WITH #1/0AWG (GRN)

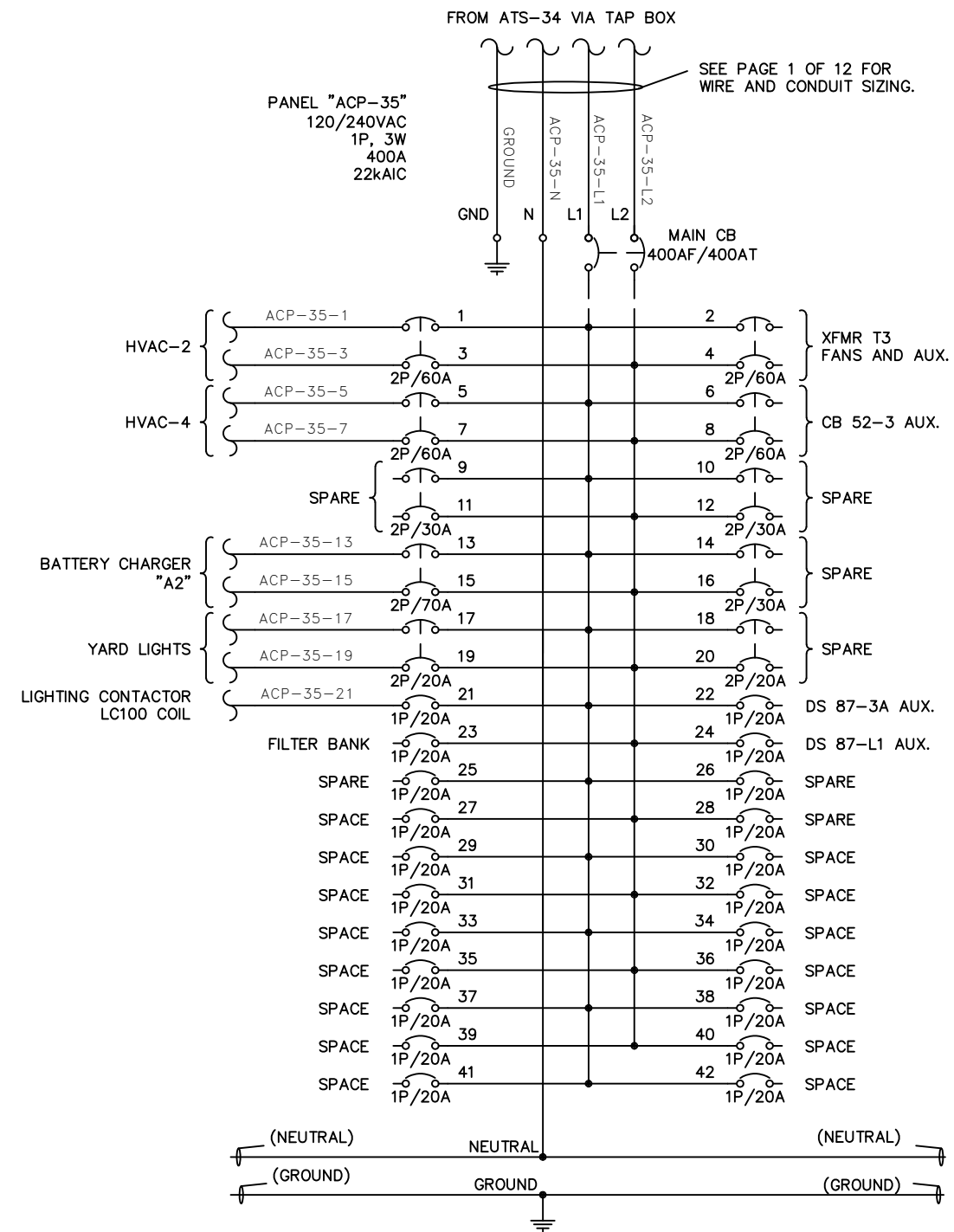
- NOTES:
- 1 - ALL WIRE #6 AND LARGER TO BE TYPE XHHW OR XHHW-2, STRANDED COPPER, UNLESS OTHERWISE NOTED.
 - 2 - ALL WIRE SMALLER THAN #6 TO BE TYPE THHW OR THWN, STRANDED COPPER, UNLESS OTHERWISE NOTED.
 - 3 - ALL CABLING ROUTED THROUGH CABLE TRAY SHALL BE 600V, MULTICONDUCTOR, TC RATED UNLESS OTHERWISE NOTED.
 - 4 - RIGID CONDUIT SHALL BE SUPPORTED WITHIN 3' OF EACH OUTLET AND WITHIN 10' INTERVALS.
 - 5 - LFMC CONDUIT SHALL BE SUPPORTED WITHIN 12" OF EACH OUTLET AND WITHIN 4-1/2' INTERVALS. EXCEPTION: IF LENGTH IS LESS THAN 3' BETWEEN SHIPPING SPLIT JUNCTION BOXES, SUPPORTS ARE NOT REQUIRED.
 - 6 - FACTORY WIRING DESIGNATED BY SOLID LINES
 - 7 - FIELD WIRING DESIGNATED BY DASHED LINES

REVISIONS				 METRON, INC. DENVER, CO.	POWER DISTRIBUTION CENTER, MV SWGR ONE LINE				
REV	DESCRIPTION	DATE	APPROVED						
1	AS BUILT	07/28/10	R.S.						
				DRAWN R.S. 12/31/09		SIZE B	DWG NO. Y091244-625100-01	REV 1	
				CHECK					
				APPD		SCALE N.T.S.		SHEET 1 OF 12	



PANEL SCHEDULE ACP-34 NEMA 1, 120/240V, 1PH, 3W, 60HZ, 22kAIC 400A MAIN CIRCUIT BREAKER, 400A BUS									
Ckt#	CB	Load Description	PHASE VA		Ckt#	CB	Load Description	PHASE VA	
			L1	L2				L1	L2
1	60A/2P	HVAC-1	7080		2	60A/2P	XFMR T1 FANS AND AUX.	5250	
3				7080	4				5250
5	60A/2P	HVAC-3	7080		6	60A/2P	XFMR T2 FANS AND AUX.	5250	
7				7080	8				5250
9	60A/2P	CB 52-2 AUX.	6570		10	60A/2P	CB 52-1 AUX.	6000	
11				6000	12				6570
13	70A/2P	BATTERY CHARGER 'A1'	3125		14	30A/2P	SPARE	0	
15				3125	16				0
17	20A/2P	SPARE	0		18	20A/2P	SPARE	0	
19				0	20				0
21	20A/1P	INTERIOR, EMERGENCY, AND EXIT LTG.	1021		22	20A/1P	DS 87-1A AUX.	200	
23	20A/1P	INTERIOR RECEPTACLES		1080	24	20A/1P	DS 87-2A AUX.		200
25	20A/1P	EXTERIOR LIGHTING	114		26	20A/1P	CVT HEATER	36	
27	20A/1P	EXHAUST FAN CONTROLLER		480	28	20A/1P	SPARE		0
29	20A/1P	FIRE ALARM CONTROL PANEL	330		30	20A/1P	SPARE	0	
31	20A/1P	EXTERIOR GFCI RECEPTACLES		540	32	20A/1P	SPARE		0
33		SPACE			34		SPACE		
35		SPACE			36		SPACE		
37		SPACE			38		SPACE		
39		SPACE			40		SPACE		
41		SPACE			42		SPACE		
NOTE:		SUBTOTAL	25320	25385			SUBTOTAL	16736	17270
* = GFCI							TOTAL	42056	42655

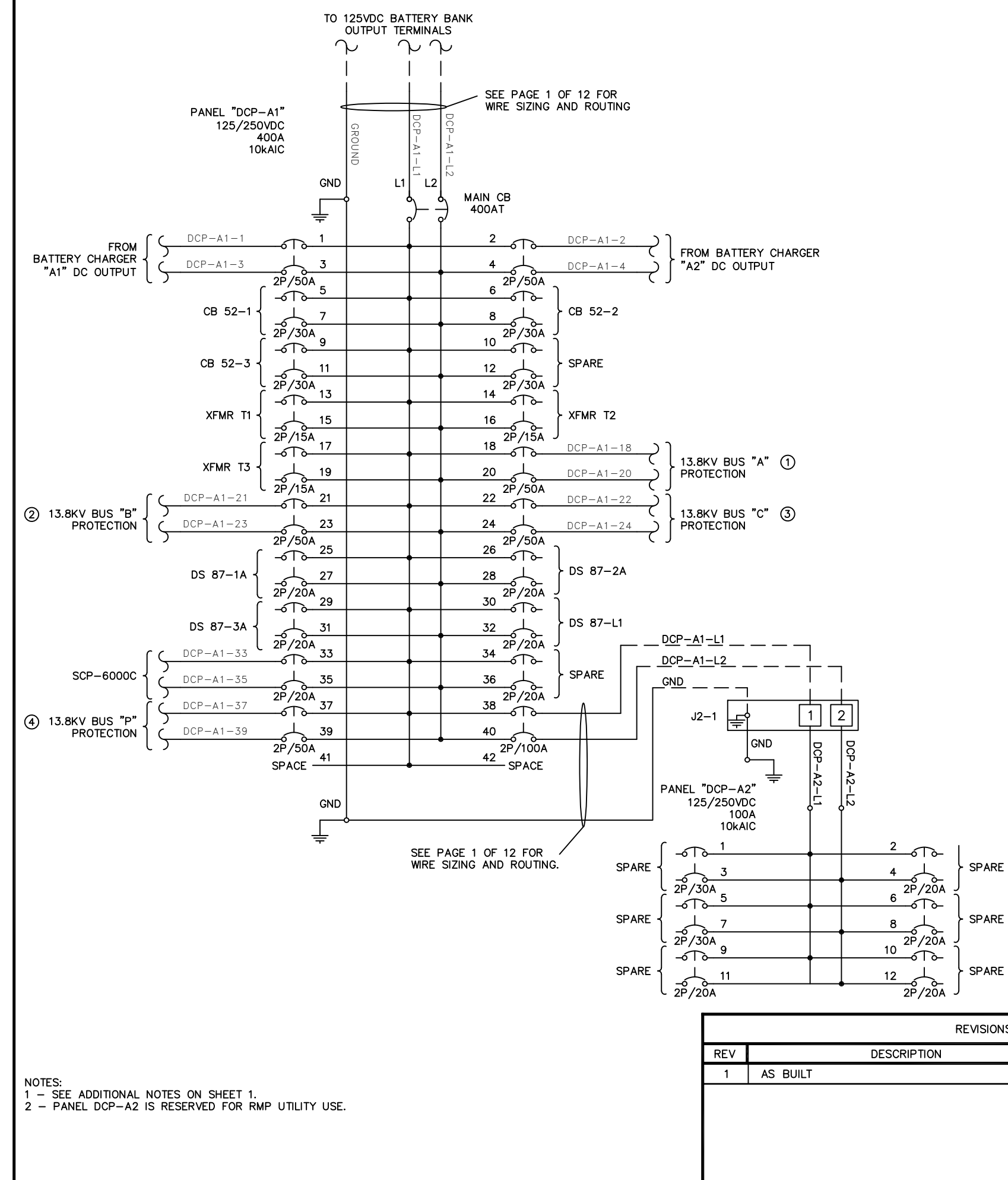
REVISIONS				 METRON, INC. DENVER, CO.	POWER DISTRIBUTION CENTER, MV SWGR PANELBOARD "ACP-34"			
REV	DESCRIPTION	DATE	APPROVED					
1	AS BUILT	07/28/10	R.S.		SIZE	DWG NO.	REV	
					B	Y091244-625100-01	1	
					APPD	SCALE	N.T.S.	



PANEL SCHEDULE ACP-35 NEMA 1, 120/240V, 1PH, 3W, 60HZ, 22kAIC 400A MAIN CIRCUIT BREAKER, 400A BUS									
Ckt#	CB	Load Description	PHASE VA		Ckt#	CB	Load Description	PHASE VA	
			L1	L2				L1	L2
1	60A/2P	HVAC-2	7080		2	60A/2P	XFMR T3 FANS AND AUX.	5250	
3				7080	4				5250
5			7080		6			6570	
7	60A/2P	HVAC-4		7080	8	60A/2P	CB 52-3 AUX.		6000
9			0		10			0	
11				0	12				0
13	70A/2P	BATTERY CHARGER "A2"	3125		14	30A/2P	SPARE	0	
15				3125	16				0
17			2000		18			0	
19	20A/2P	YARD LIGHTS		2000	20	20A/2P	SPARE		0
21			12		22			200	
23				960	24				200
25	20A/1P	SPARE	0		26	20A/1P	SPARE	0	
27					28				0
29					30				
31		SPACE			32		SPACE		
33		SPACE			34		SPACE		
35		SPACE			36		SPACE		
37		SPACE			38		SPACE		
39		SPACE			40		SPACE		
41		SPACE			42		SPACE		
NOTE: * = GFCI			19297	20245	SUBTOTAL			12020	11450
					TOTAL			31317	31695

NOTES:
1 - SEE ADDITIONAL NOTES ON SHEET 1.

REVISIONS				 METRON, INC. DENVER, CO.	POWER DISTRIBUTION CENTER, MV SWGR PANELBOARD "ACP-35"				
REV	DESCRIPTION	DATE	APPROVED						
1	AS BUILT	07/28/10	R.S.		SIZE	DWG NO.	REV		
					B	Y091244-625100-01	1		
				DRAWN R.S. 12/31/09		SCALE	N.T.S.		SHEET 3 OF 12
				CHECK					
				APPD					



FLAG NOTES:

① TO SWITCHGEAR SECTION 103, TERMINALS PDB1-103A (HOT) AND PDB2-103A (COMMON).
ROUTE (2) #6AWG (BLK,RED).

② TO SWITCHGEAR SECTION 108, TERMINALS PDB1-108A (HOT) AND PDB2-108A (COMMON).
ROUTE (2) #6AWG (BLK,RED).

③ TO SWITCHGEAR SECTION 112, TERMINALS PDB1-112A (HOT) AND PDB2-112A (COMMON).
ROUTE (2) #6AWG (BLK,RED).

④ TO SWITCHGEAR SECTION 115, TERMINALS PDB1-115A (HOT) AND PDB2-115A (COMMON).
ROUTE (2) #6AWG (BLK,RED).

NOTE:

1. ROUTE ALL (4) DC BUS PROTECTION CIRCUITS FOR SWITCHGEAR TO JUNCTION BOX "JB5" THROUGH (1) 1-1/2" CONDUIT (RGS), WITH (1) #10 (GRN).

PANEL SCHEDULE DCP-A1
NEMA 1, 125VDC, 2W, 10kAIC
400A MAIN CIRCUIT BREAKER, 400A BUS

Ckt#	CB	Load Description	PHASE VA		Ckt#	CB	Load Description	PHASE VA	
			L1	L2				L1	L2
1	50A/2P	BATTERY CHARGER 'A1' OUTPUT			2	50A/2P	BATTERY CHARGER 'A2' OUTPUT		
3	*				4	*			
5	30A/2P	CB 52-1	1250		6	30A/2P	CB 52-2	1250	
7				1250	8				1250
9	30A/2P	CB 52-3	1250		10	30A/2P	SPARE	0	
11				1250	12				0
13	15A/2P	XFMR T1	250		14	15A/2P	XFMR T2	250	
15				250	16				250
17	15A/2P	XFMR T3	250		18	50A/2P	13.8KV BUS 'A' PROTECTION	2334	
19				250	20	50A/2P	13.8KV BUS 'C' PROTECTION	2334	
21	50A/2P	13.8KV BUS 'B' PROTECTION	2334		22	50A/2P	13.8KV BUS 'C' PROTECTION	2334	
23				2334	24				2334
25	20A/2P	DS 87-1A	625		26	20A/2P	DS 87-2A	625	
27				625	28				625
29	20A/2P	DS 87-3A	625		30	20A/2P	DS 87-L1	625	
31				625	32				625
33	20A/2P	SCP-6000C	?		34	20A/2P	SPARE	0	
35				?	36				0
37	50A/2P	13.8KV BUS 'P' PROTECTION	2334		38	100A/2P	DCP-A2 SUB-FEED	0	
39				2334	40				0
41					42				
NOTE: SUBTOTAL			8918	8918	SUBTOTAL			7418	7418
*=PADLOCK					TOTAL			16336	16336

PANEL SCHEDULE DCP-A2
NEMA 1, 125VDC, 2W, 10kAIC
MAIN LUGS ONLY, 125A BUS

Ckt#	CB	Load Description	PHASE VA		Ckt#	CB	Load Description	PHASE VA	
			L1	L2				L1	L2
1	30A/2P	SPARE	0		2	20A/2P	SPARE	0	
3				0	4				0
5	30A/2P	SPARE	0		6	20A/2P	SPARE	0	
7				0	8				0
9	20A/2P	SPARE	0		10	20A/2P	SPARE	0	
11				0	12				0
SUBTOTAL			0	0	SUBTOTAL			0	0
					TOTAL			0	0

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	07/28/10	R.S.

METRON, INC.
DENVER, CO.

DRAWN R.S. 12/31/09

CHECK

APPD

POWER DISTRIBUTION CENTER, MV SWGR
PANELBOARD "DCP-A1"

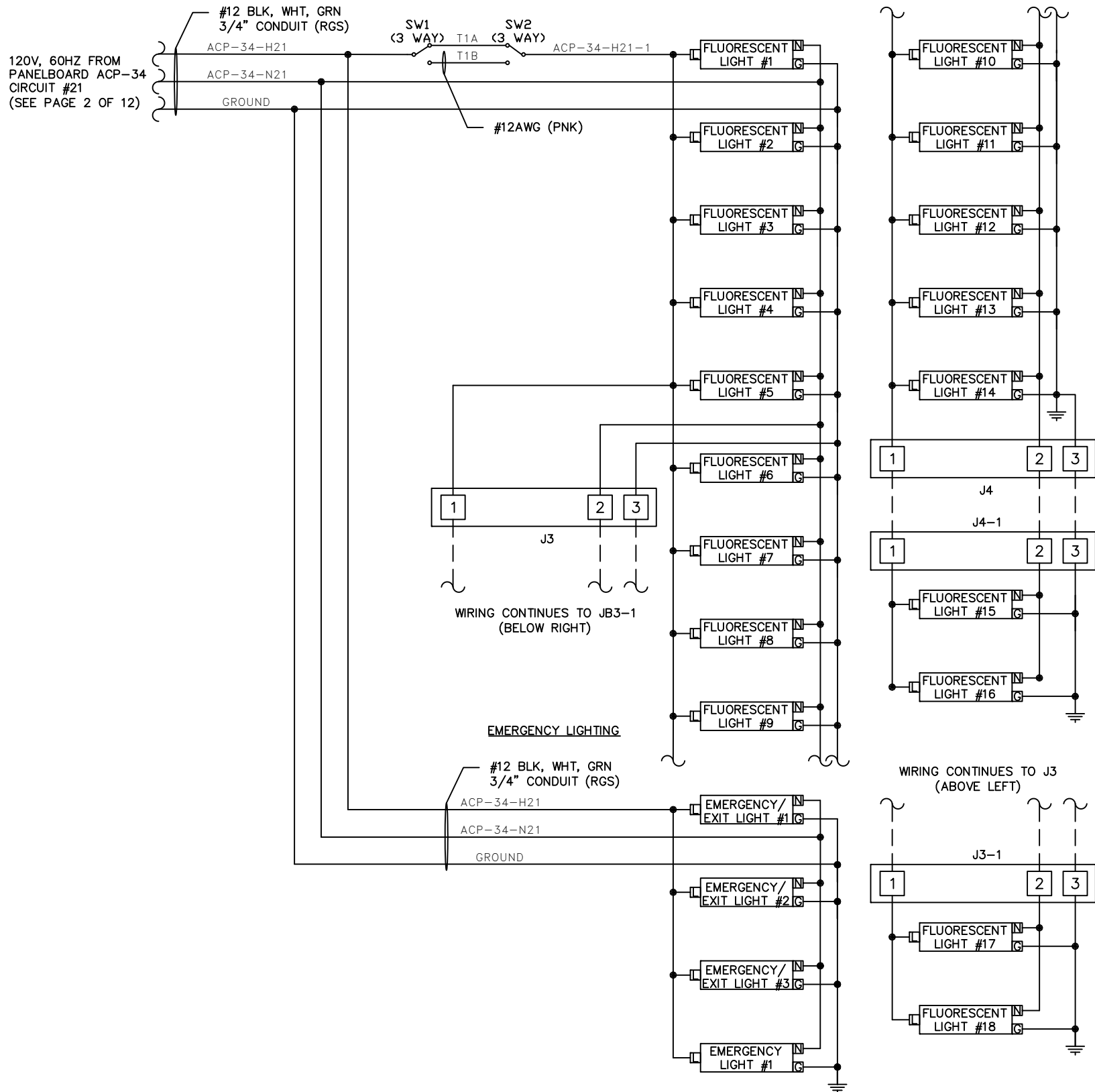
SIZE B DWG NO. Y091244-625100-01

SCALE N.T.S.

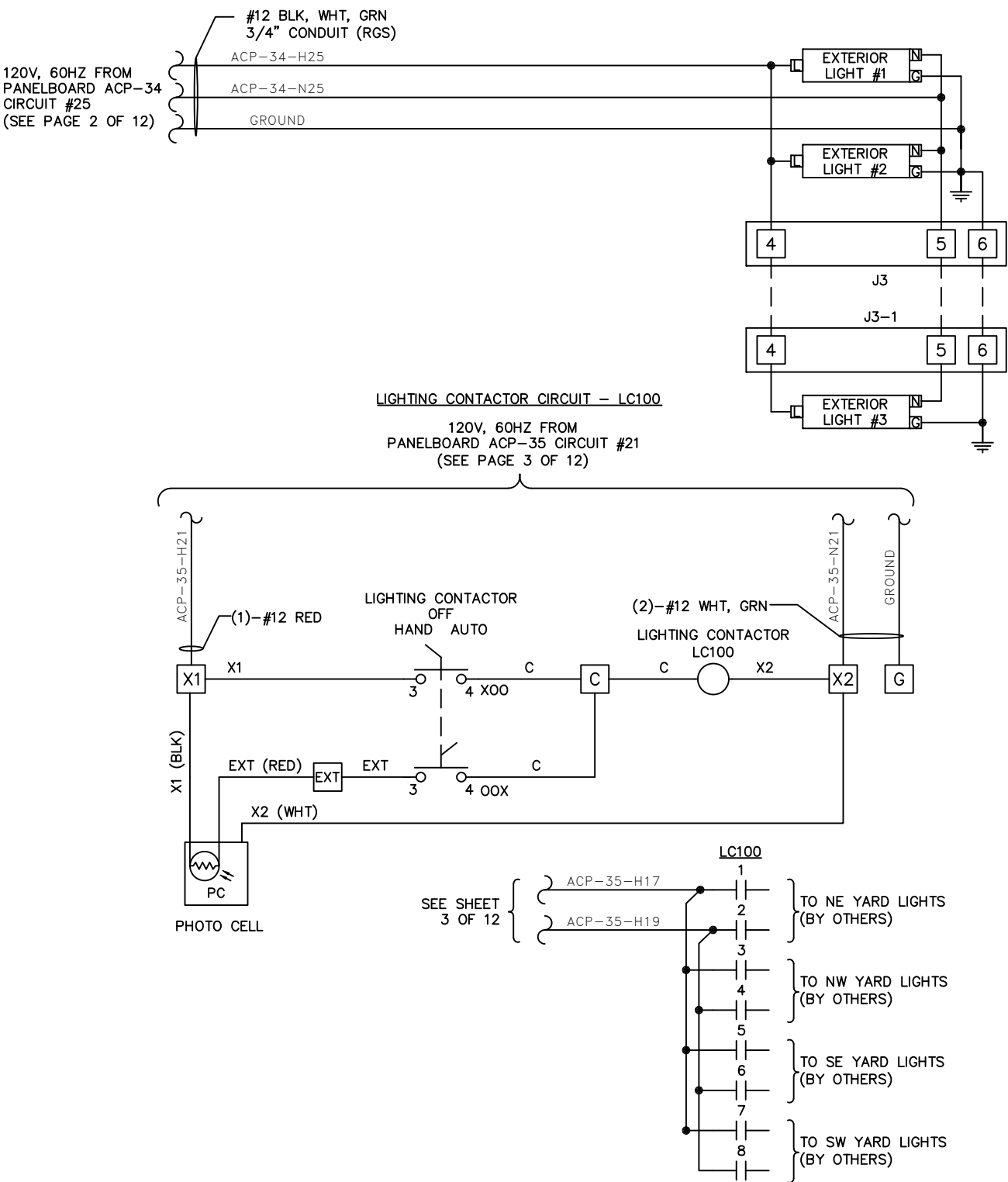
REV 1

SHEET 4 OF 12

INTERIOR LIGHTING

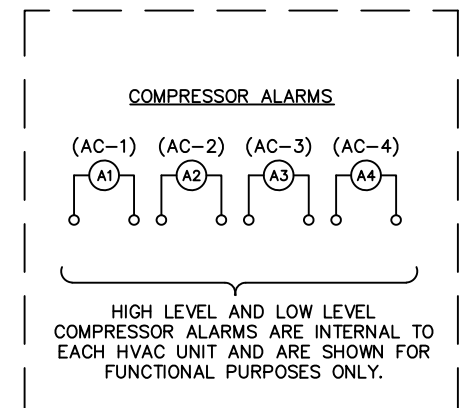
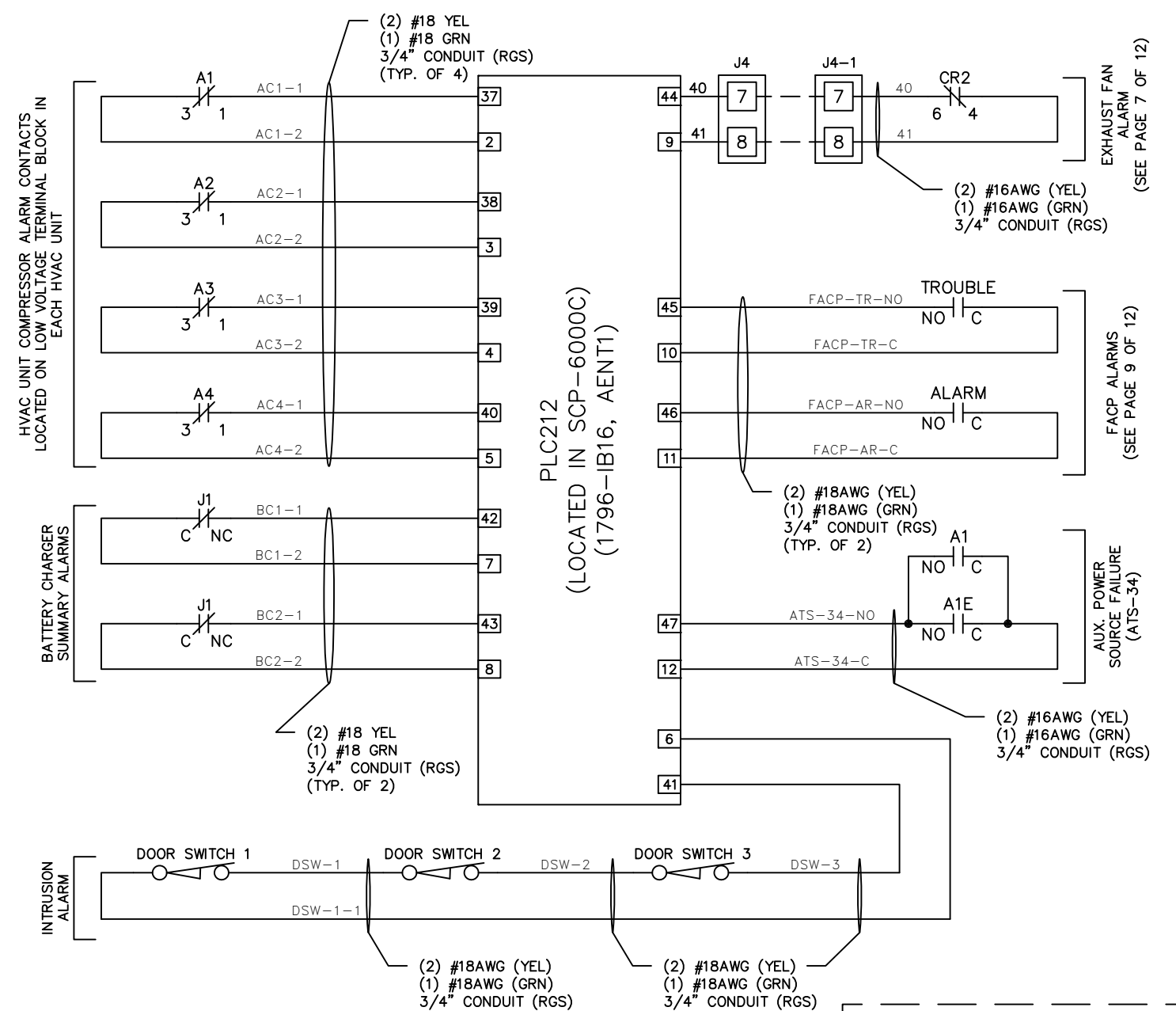
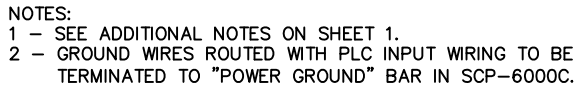


EXTERIOR LIGHTING



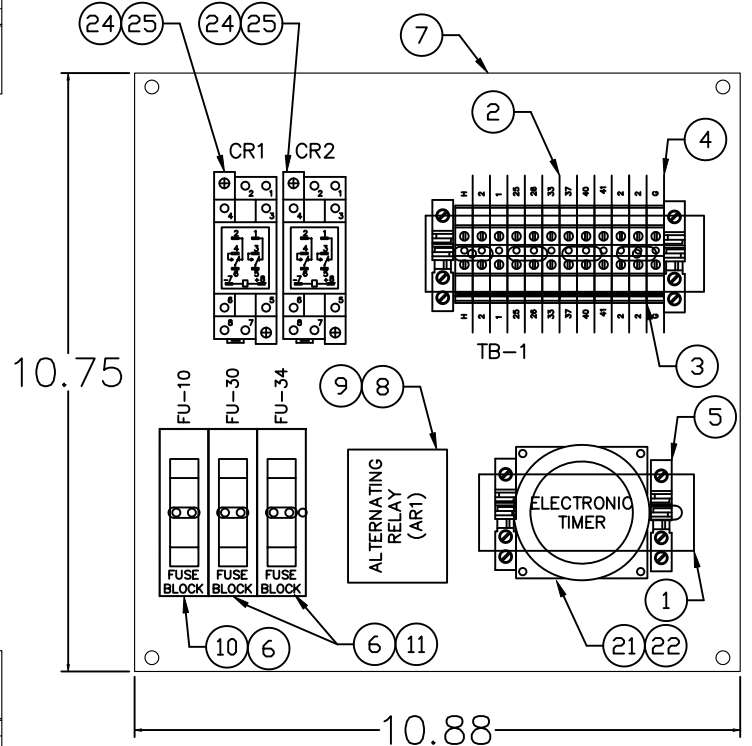
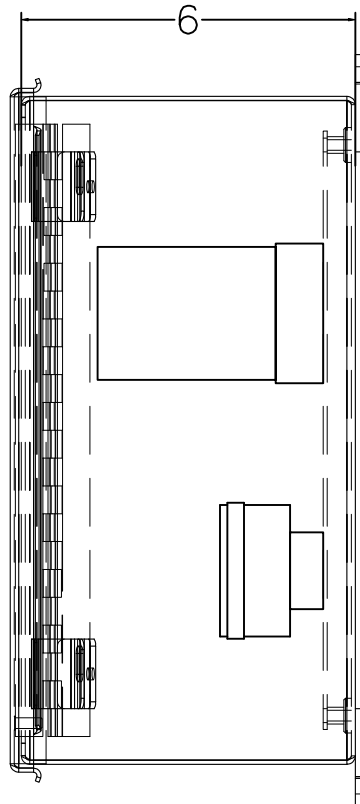
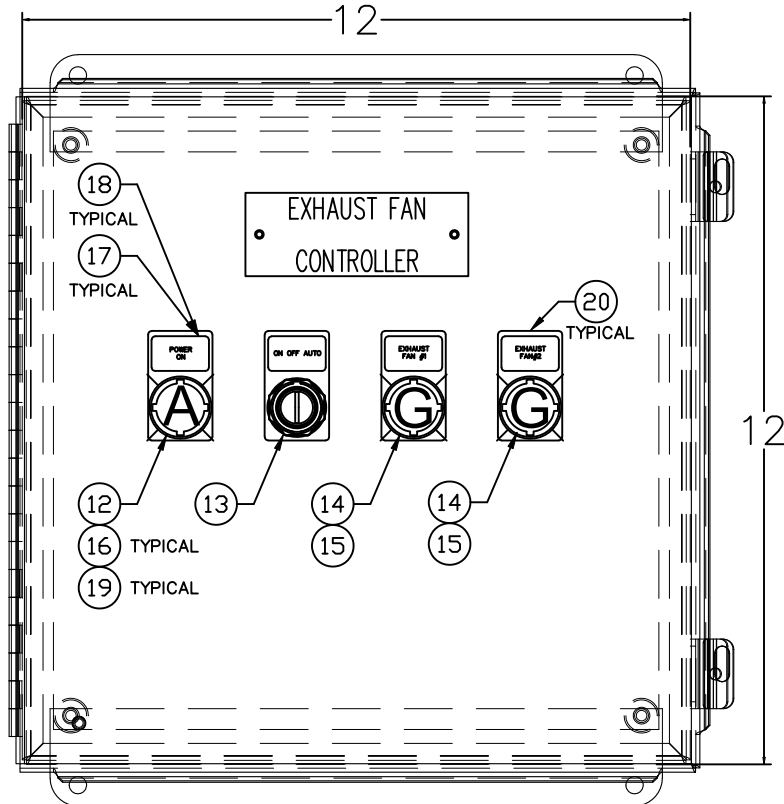
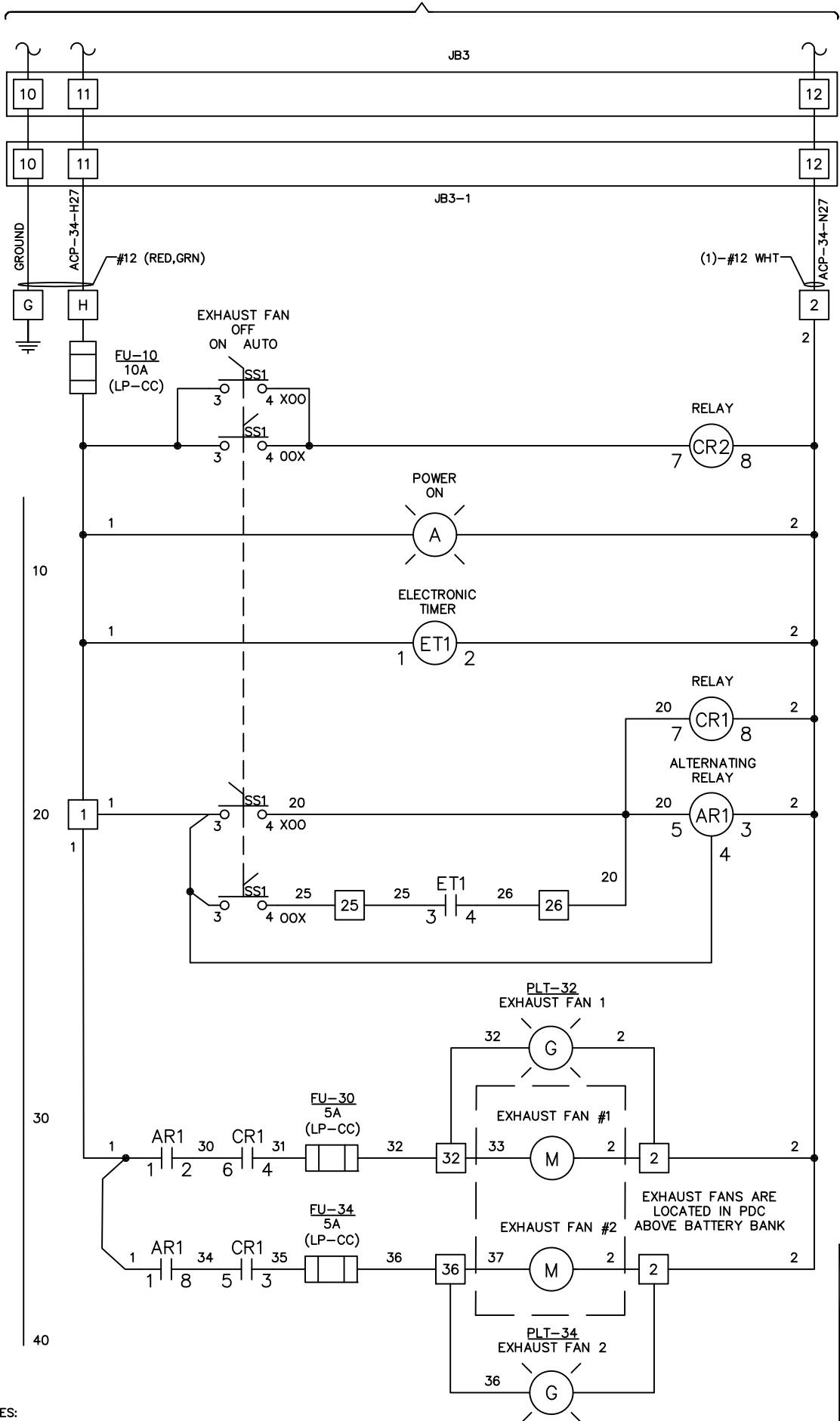
NOTES:
1 - SEE ADDITIONAL NOTES ON SHEET 1.

REVISIONS				 METRON, INC. DENVER, CO.		POWER DISTRIBUTION CENTER, MV SWGR LIGHTING CIRCUITS		
REV	DESCRIPTION	DATE	APPROVED					
1	AS BUILT	07/28/10	R.S.					
				DRAWN	R.S.	12/31/09	SIZE	DWG NO.
				CHECK			B	Y091244-625100-01
				APPD			SCALE	N.T.S.
								REV 1
								SHEET 5 OF 12

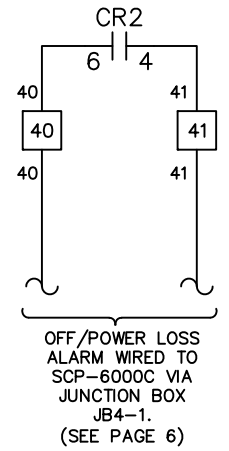


REVISIONS				 METRON, INC. DENVER, CO.		POWER DISTRIBUTION CENTER, MV SWGR RECEPTACLES & PLC CONNECTIONS						
REV	DESCRIPTION	DATE	APPROVED									
1	AS BUILT	07/28/10	R.S.							SIZE	DWG NO.	REV
				DRAWN R.S. 12/31/09						B	Y091244-625100-01	1
				CHECK								
				APPD		SCALE	N.T.S.			SHEET 6 OF 12		

WIRING CONTINUES TO LIGHTING PANEL ACP-34, CIRCUIT #27.



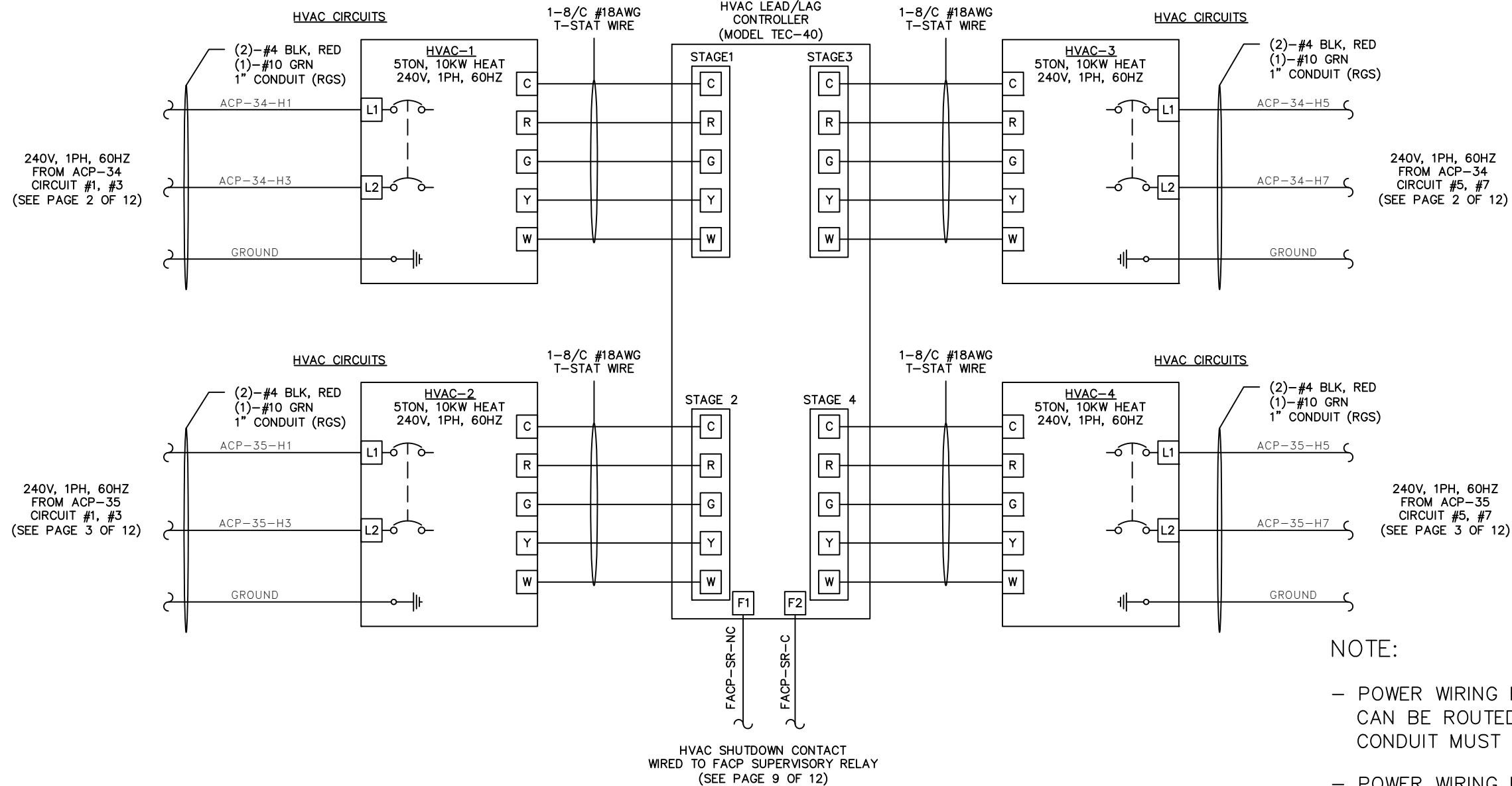
ITEM	QTY	DESCRIPTION	PART NO.	MANUFACTURER	MANUF. PART NO.
1	1FT	DIN RAIL	AM10931	ENTRELEC (OR EQUAL)	101598.26 (OR EQUAL)
2	11	TERMINAL BLOCK	7021A	WIELAND	57.506.0055.0
3	1	GROUNDING BLOCK	7025	WIELAND	57.506.9055.0
4	1	END PLATE	7022A	WIELAND	07.311.0255.0
5	4	END CLAMP	7023A	WIELAND	Z5.523.9353.0
6	3	1P FUSE BLOCK	1656	BUSSMAN	BM6031SQ
7	1	BACK PANEL	11547	HOFFMAN	A12P12
8	1	ALTERNATING RELAY	15148	ABB	ARP41S
9	1	ALT. RELAY SOCKET	15149	ABB	NDS-8
10	1	10A FUSE (LP-CC)	10795	BUSSMAN	LP-CC-10
11	2	5A FUSE (LP-CC)	12446	BUSSMAN	LP-CC-5
12	1	22MM YELLOW LED	11856	SQ-D	ZBVBG5
13	1	22MM SEL. SWITCH	7825	SQ-D	ZB5AD3
14	2	22MM GREEN LED	13084	SQ-D	ZBVBG3
15	2	22MM GREEN LENS	7821	SQ-D	ZB5AV03
16	1	22MM YELLOW LENS	7816	SQ-D	ZB5AV05
17	4	22MM LEGEND HOLDER	7829	SQ-D	ZBZ33
18	4	22MM NAMEPLATE	7808	SQ-D	ZBY5101
19	4	ANTI ROTATION RING	7828	SQ-D	ZB5AZ902
20	4	MOUNTING COLLAR	7873	SQ-D	ZB5AZ009
21	1	ELECTRONIC TIMER	7233	GRASSLIN	FM/1 DIGI 20-120
22	1	DIN RAIL BASE	6819	GRASSLIN	FM-S
23	1	12X12X6 ENCLOSURE	11546	HOFFMAN	A1212CH
24	2	2-POLE RELAY	5925	CUTLER HAMMER	D7PF2AA
25	2	RELAY SOCKET	5869	CUTLER HAMMER	D7PAA
26	4	CONTACT BLOCK (NO)	7830	SQ-D	ZBE101



OFF/POWER LOSS
ALARM WIRED TO
SCP-6000C VIA
JUNCTION BOX
JB4-1.
(SEE PAGE 6)

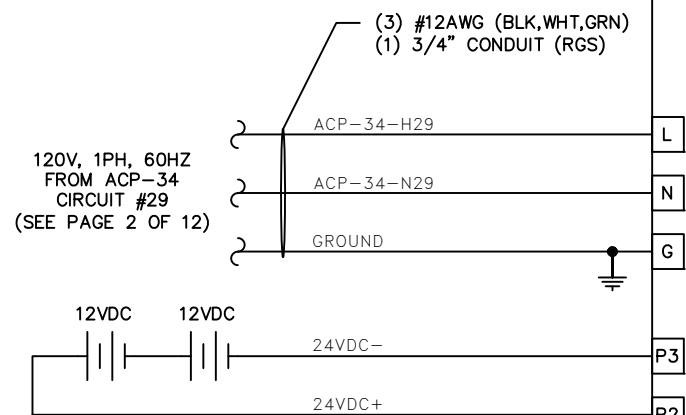
NOTES:
1 - SEE ADDITIONAL NOTES ON SHEET 1.
2 - ALL WIRING THIS SHEET TO BE 16AWG UNLESS OTHERWISE NOTED.

REVISIONS				METRON, INC. DENVER, CO.		POWER DISTRIBUTION CENTER, MV SWGR EXHAUST FAN CONTROLLER	
REV	DESCRIPTION	DATE	APPROVED				
1	AS BUILT	07/28/10	R.S.				
				DRAWN	R.S.	12/31/09	SIZE
				CHECK			DWG NO.
				APPD			REV
				SCALE	N.T.S.		Y091244-625100-01
						SHEET 7 OF 12	



NOTES:
1 - SEE ADDITIONAL NOTES ON SHEET 1.

REVISIONS				 METRON, INC. DENVER, CO.		POWER DISTRIBUTION CENTER, MV SWGR HVAC CIRCUITS		
REV	DESCRIPTION	DATE	APPROVED					
1	AS BUILT	07/28/10	R.S.			SIZE B	DWG NO. Y091244-625100-01	REV 1
				DRAWN R.S.	12/31/09	SCALE N.T.S.	SHEET 8 OF 12	
				CHECK				
				APPD				

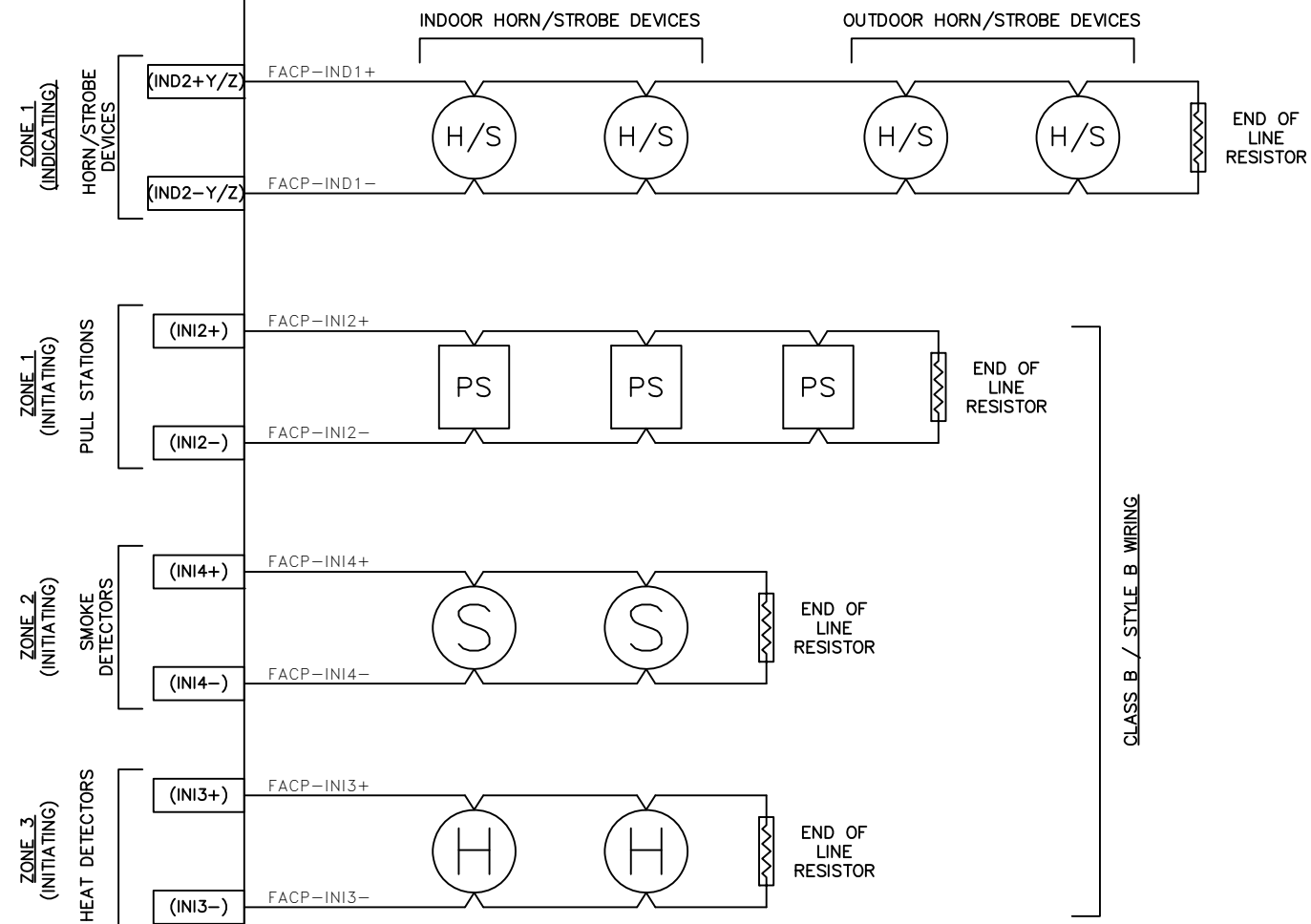


The diagram illustrates the wiring for three different PLC212 units, each connected to a specific relay. The connections are as follows:

- TO PLC212 LOCATED IN SCP-6000C (SEE PAGE 6 OF 12):**
 - Line 1: FACP-TR-NO to NO terminal of TROUBLE RELAY.
 - Line 2: FACP-TR-C to C terminal of TROUBLE RELAY.
- TO PLC212 LOCATED IN SCP-6000C (SEE PAGE 4 OF 12):**
 - Line 3: FACP-AR-NO to NO terminal of ALARM RELAY.
 - Line 4: FACP-AR-C to C terminal of ALARM RELAY.
- TO HVAC LEAD/LAG CONTROLLER (SEE PAGE 8 OF 12):**
 - Line 5: FACP-SR-NC to NC terminal of SUPERVISORY RELAY.
 - Line 6: FACP-SR-C to C terminal of SUPERVISORY RELAY.

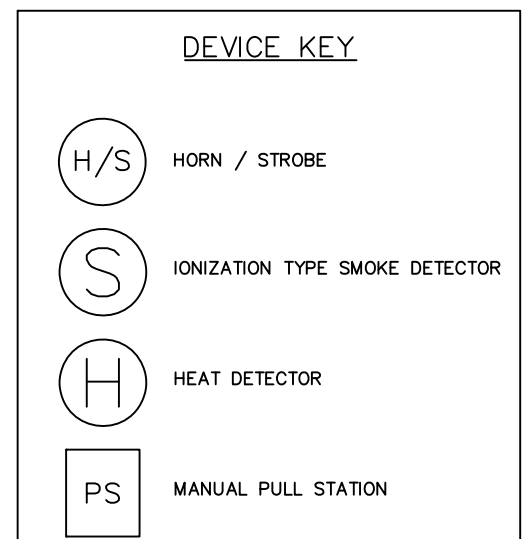
Conduit and Wire Specifications:

- Lines 3 and 4 (Alarm Relay): (4) #18AWG (YEL), (1) #18AWG (GRN), (1) 3/4" CONDUIT (RGS).
- Lines 5 and 6 (Supervisory Relay): (2) #18AWG (YEL), (1) #18AWG (GRN), (1) 3/4" CONDUIT (RGS).



CLASS B / STYLE Y WIRING

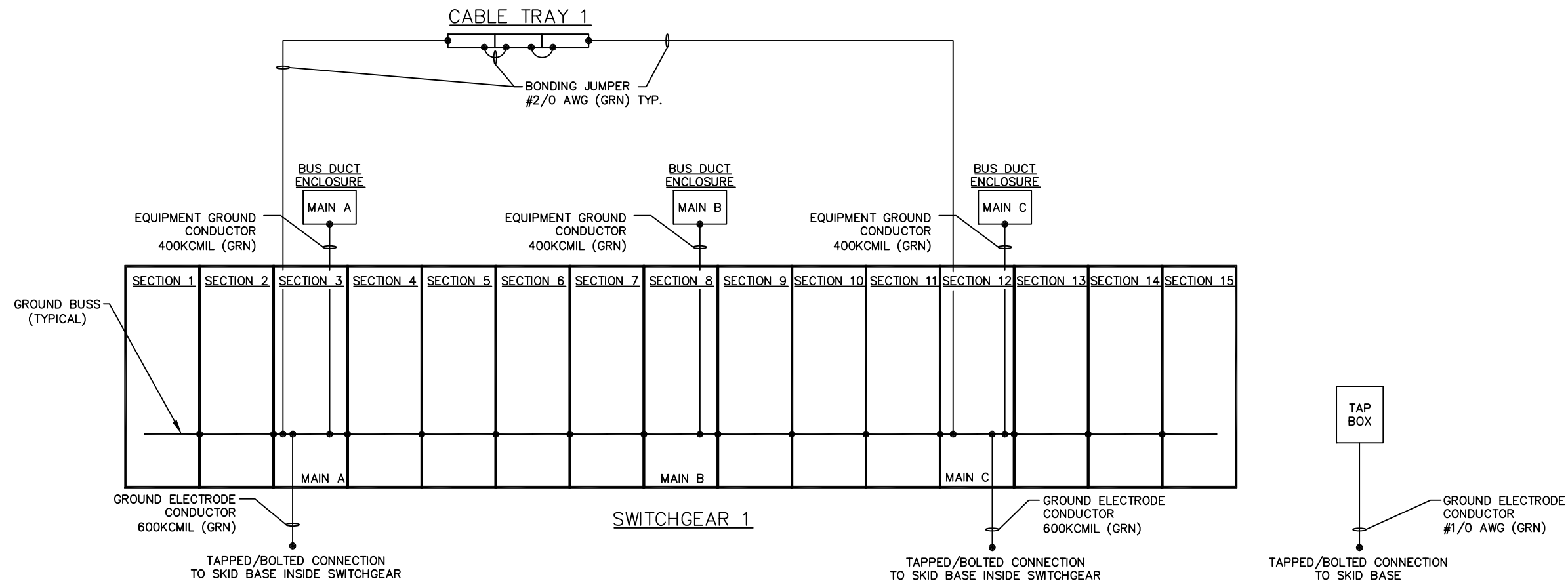
CLASS B / STYLE B WIRING



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	07/28/10	R.S.

DRAWN	R.S.	12/31/09
CHECK		
APPD		

SIZE B	DWG. NO. Y091244-625100-01		REV 1
SCALE	N.T.S.		SHEET 9 OF 12

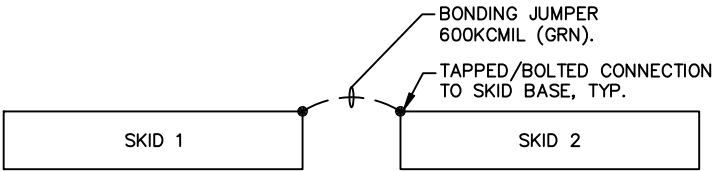


CABLE TRAY 1 NOTES:

1. BOND EACH SECTION OF TRAY (WHERE SPLICED) TOGETHER WITH A #2/0AWG BONDING JUMPER AS SHOWN. INSTALL MECHANICAL LUGS ON EACH END OF BONDING JUMPER.
2. GROUND CONDUCTOR FROM SWITCHGEAR GROUND BUSS TO BE TERMINATED ON CABLE TRAY GROUND CLAMP ON EACH END OF TRAY.
3. ALL WIRING MUST BE CABLE TRAY RATED.

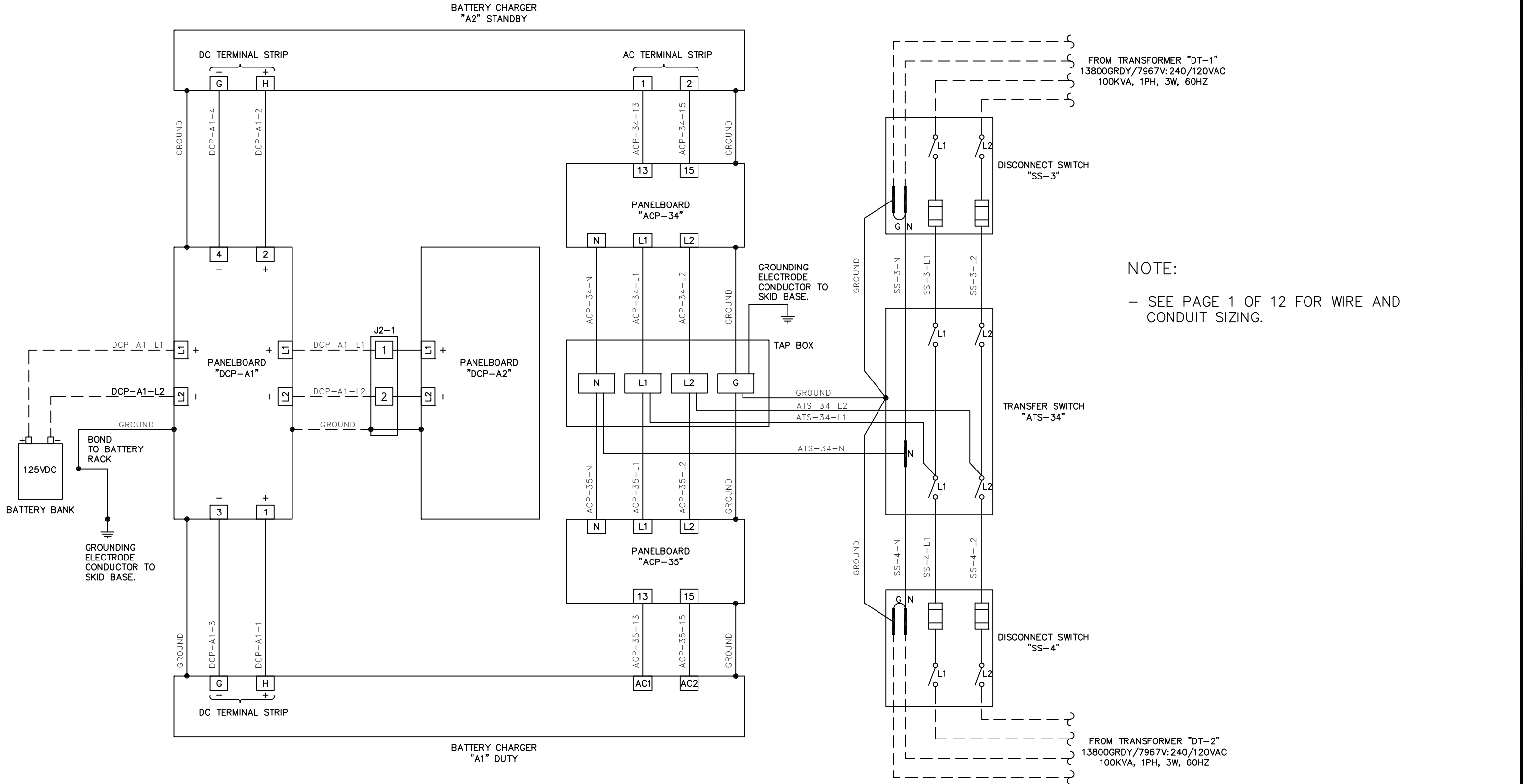
GROUNDING NOTE:

1. EQUIPMENT GROUND CONNECTIONS FROM MAIN FEEDS ARE THE RESPONSIBILITY OF OTHERS.

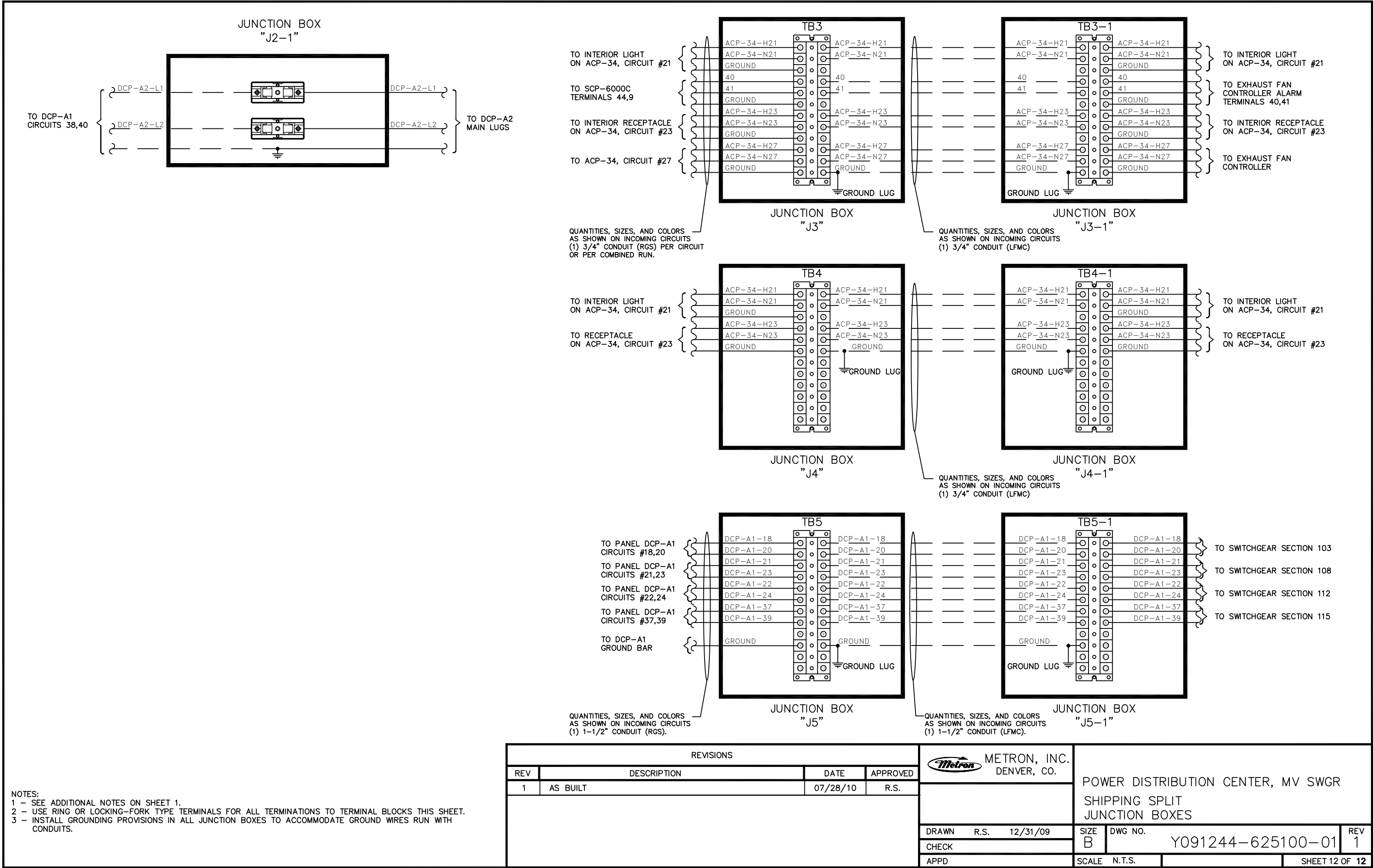


NOTES:
1 - SEE ADDITIONAL NOTES ON SHEET 1.
2 - ALL BOLTED/TAPPED GROUND CONNECTIONS SHALL BE TERMINATED TO CLEAN SURFACES (NO PAINT) WITH NON-CORROSIVE, CONDUCTIVE GREASE.
3 - BOND EACH BUS DUCT ENCLOSURE TO SWITCHGEAR GROUND BUS AS SHOWN IN DIAGRAM.

REVISIONS				 METRON, INC. DENVER, CO.		POWER DISTRIBUTION CENTER, MV SWGR GROUNDING		
REV	DESCRIPTION	DATE	APPROVED					
1	AS BUILT	07/28/10	R.S.			SIZE B	DWG NO. Y091244-625100-01	REV 1
				DRAWN R.S.	12/31/09	SCALE N.T.S.	SHEET 10 OF 12	
				CHECK				
				APPD				



REVISIONS				 METRON, INC. DENVER, CO.		POWER DISTRIBUTION CENTER, MV SWGR THREE LINE		
REV	DESCRIPTION	DATE	APPROVED					
1	AS BUILT	07/28/10	R.S.					
				DRAWN	R.S.	12/31/09	SIZE B	DWG NO. Y091244-625100-01
				CHECK				REV 1
				APPD				SHEET 11 OF 12



NPB

4.00

1.50

Ø.156 typ

C

L

TEXT1

TEXT2

TEXT3

.250 typ

HEIGHT 0.375"

WIDTH FACTOR 0.625

NAMEPLATE SCHEDULE							
PG	TTL/TTL	QTY	NAMEPLATE MATERIAL	COLOR	MOUNTING HOLE DIAMETER	THICKNESS	
	20	/	28	2-PLY LAMICOID PLASTIC	WHITE LETTER ON BLACK	0.156"	1/16"

NPB-6
QTY(1)

TRANSFER SWITCH
ATS-34

NPB-12
QTY(1)

HVAC-2

NPB-18
QTY(1)

TAP BOX

NPB-1
QTY(1)

PANELBOARD
ACP-34

NPB-7
QTY(1)

BATTERY CHARGER
A1, "DUTY"

NPB-13
QTY(1)

HVAC-3

NPB-19
QTY(1)

PANELBOARD
DCP-A2

NPB-2
QTY(1)

PANELBOARD
ACP-35

NPB-8
QTY(1)

BATTERY CHARGER
A2, "STAND-BY"

NPB-14
QTY(1)

HVAC-4

NPB-3
QTY(1)

PANELBOARD
DCP-A1

NPB-9
QTY(1)

FIRE ALARM
CONTROL PANEL
FACP-1

NPB-15
QTY(1)

EXHAUST FAN
CONTROLLER

NPB-4
QTY(1)

DISCONNECT SWITCH
SS-3

NPB-10
QTY(1)

LIGHTING CONTACTOR
LC100

NPB-16
QTY(2)

120/240V 1P 3W
A / B / NEU
BLK / RED / WHT

NPB-5
QTY(1)

DISCONNECT SWITCH
SS-4

NPB-11
QTY(1)

HVAC-1

NPB-17
QTY(1)

125VDC
+ / -
RED / BLK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	AS BUILT	07/28/10	R.S.



METRON, INC.
DENVER, CO.

DRAWN

R.S.

12/31/09

CHECK

APPD

POWER DISTRIBUTION CENTER, MV SWGR
NAMEPLATE KIT 1

SIZE
B

DWG NO.
Y091244-625100-01

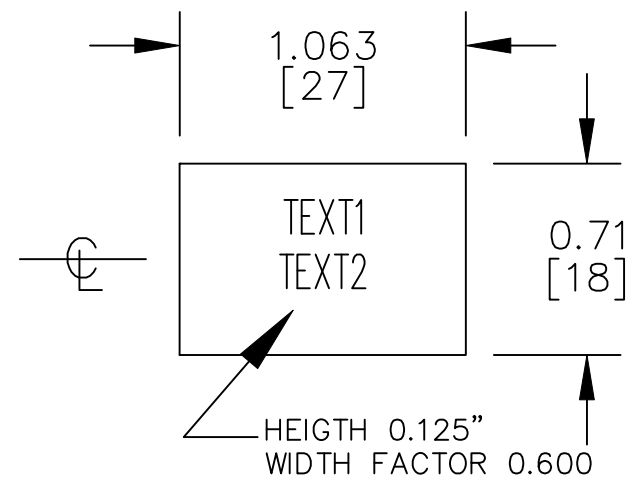
NP

REV
1

SCALE N.T.S.

SHEET 1 OF 4

22 MM PILOT NAMEPLATE SCHEDULE			
TOTAL QUANTITY	NAMEPLATE MATERIAL	COLOR	MOUNTING
4/28	2-PLY LAMICOID PLASTIC	WHITE LETTER ON BLACK	NO HOLES OR ADHESIVE BACKING



PL—NP1
QTY(1)

EXHAUST
FAN #1

PL—NP2
QTY(1)

EXHAUST
FAN #2

PL—NP3
QTY(1)

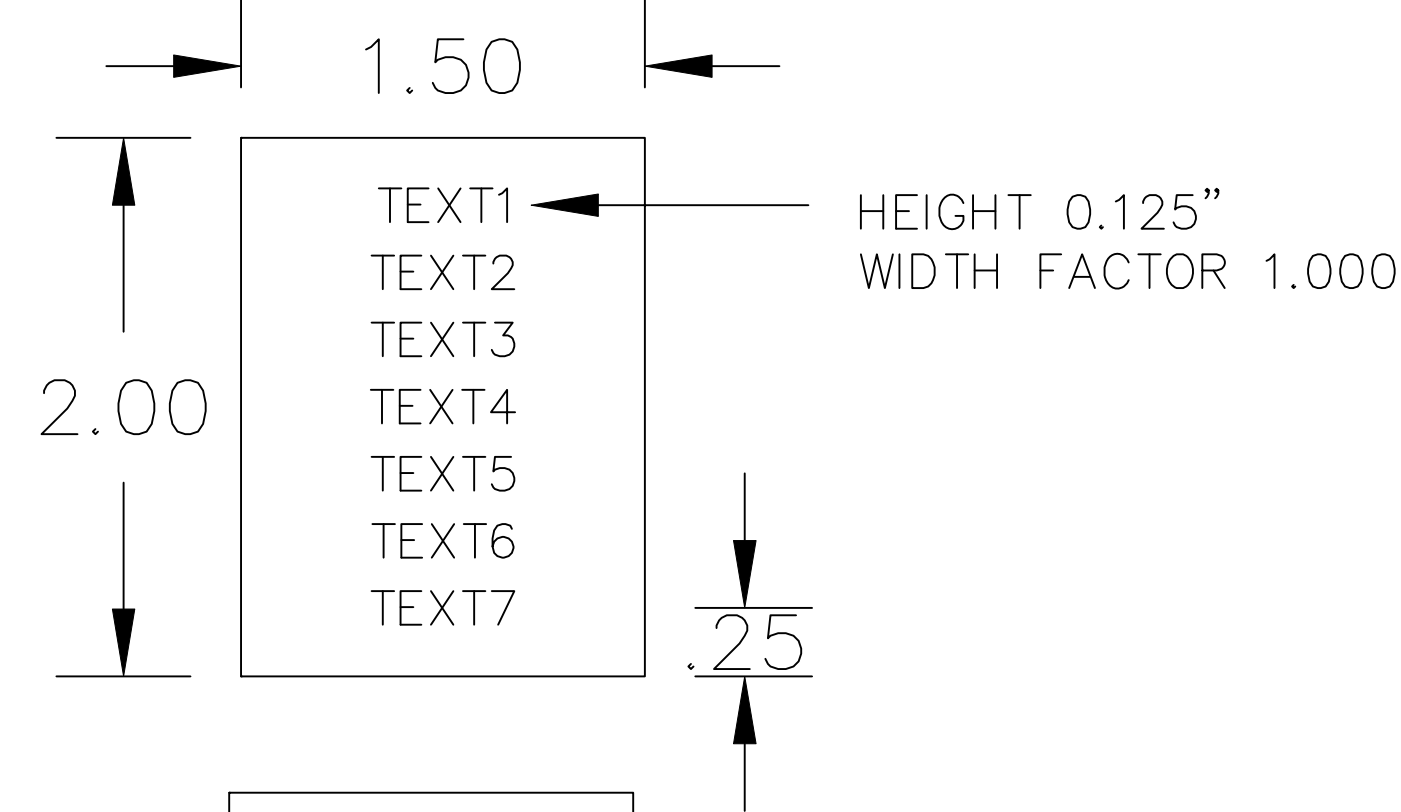
POWER
ON

PL—NP4
QTY(1)

ON OFF AUTO

REVISIONS				 METRON, INC. DENVER, CO.	POWER DISTRIBUTION CENTER, MV SWGR NAMEPLATE KIT 1					
REV	DESCRIPTION	DATE	APPROVED							
1	AS BUILT	07/28/10	R.S.							
				DRAWN	R.S.	12/31/09	SIZE	DWG NO.	REV	
				CHECK				B	Y091244-625100-01 NP	1
				APPD				SCALE	N.T.S.	

NAMEPLATE SCHEDULE			
TOTAL QUANTITY	NAMEPLATE MATERIAL	COLOR	MOUNTING
2/28	2-PLY LAMICOID PLASTIC	WHITE LETTER ON BLACK	ADHESIVE BACKING



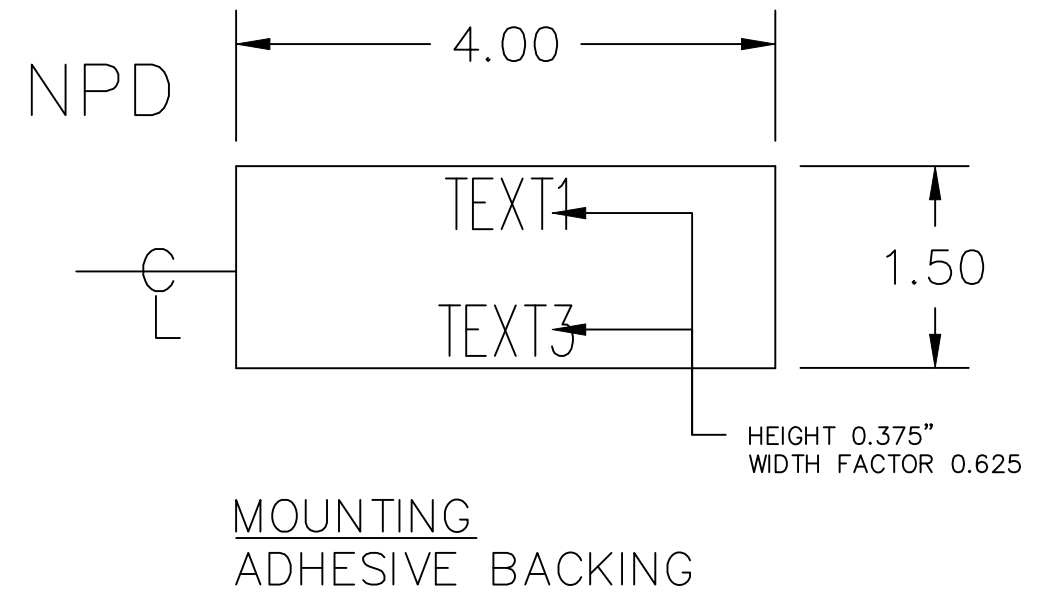
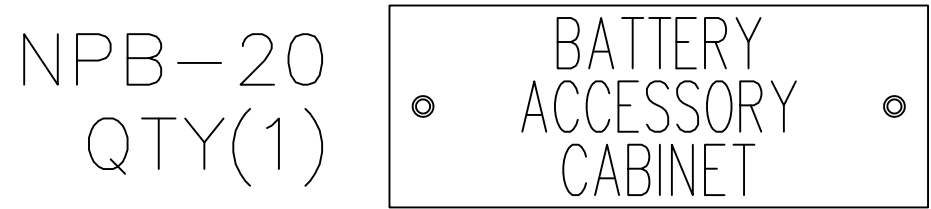
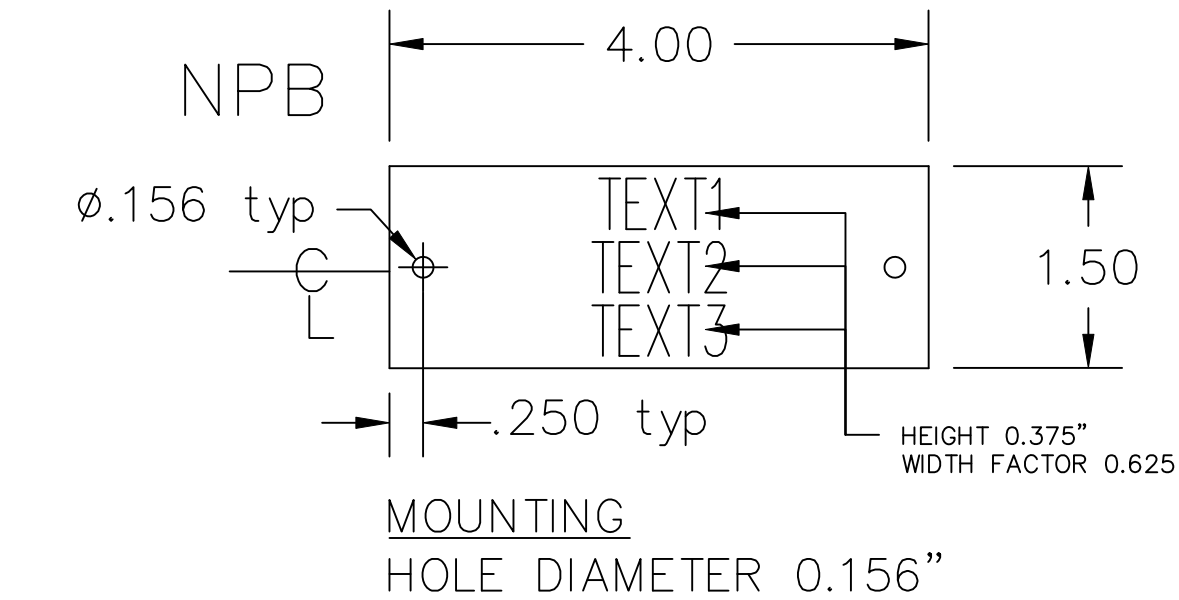
NPC-1
QTY(2)

WARNING!
CIRCUITS 1,3
AND
CIRCUITS 2,4
CANNOT BE
CLOSED AT
THE SAME TIME

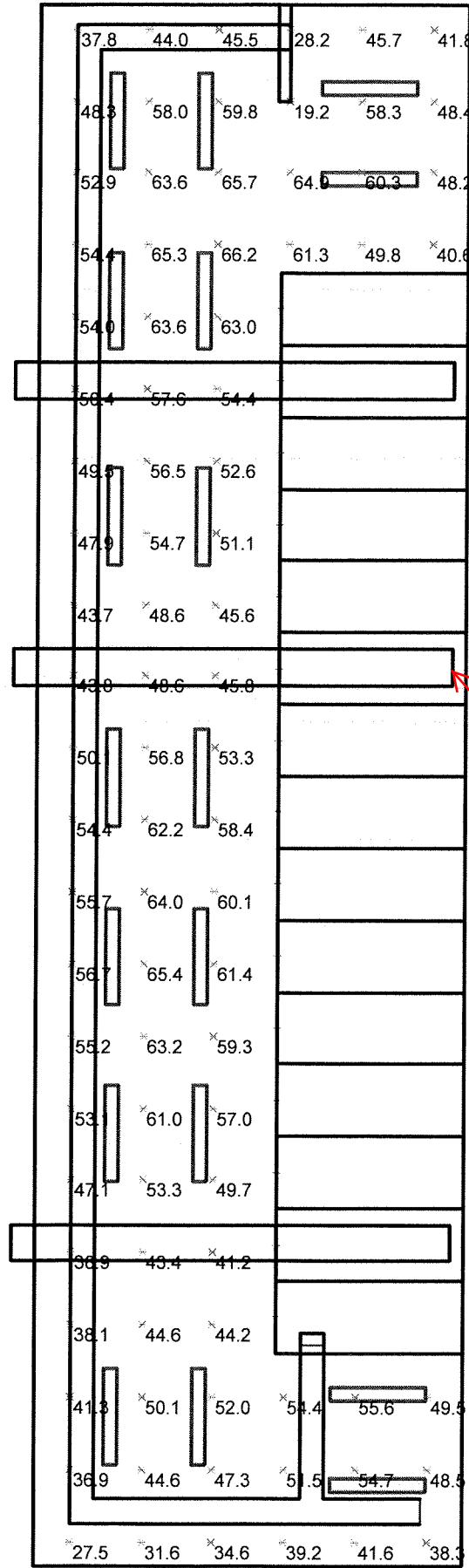
REVISIONS				 METRON, INC. DENVER, CO.	POWER DISTRIBUTION CENTER, MV SWGR NAMEPLATE KIT 1				
REV	DESCRIPTION	DATE	APPROVED						
1	AS BUILT	07/28/10	R.S.						
					SIZE	DWG NO.	REV		
				DRAWN	R.S.	12/31/09	B	Y091244-625100-01 NP	1
				CHECK					
				APPD				SCALE	N.T.S.

NAMEPLATE SCHEDULE

PG	TTL/TTL QTY	NAMEPLATE MATERIAL	COLOR	MOUNTING	THICKNESS
	2 / 28	2-PLY LAMICOID PLASTIC	WHITE LETTER ON BLACK	SEE BELOW	1/16"

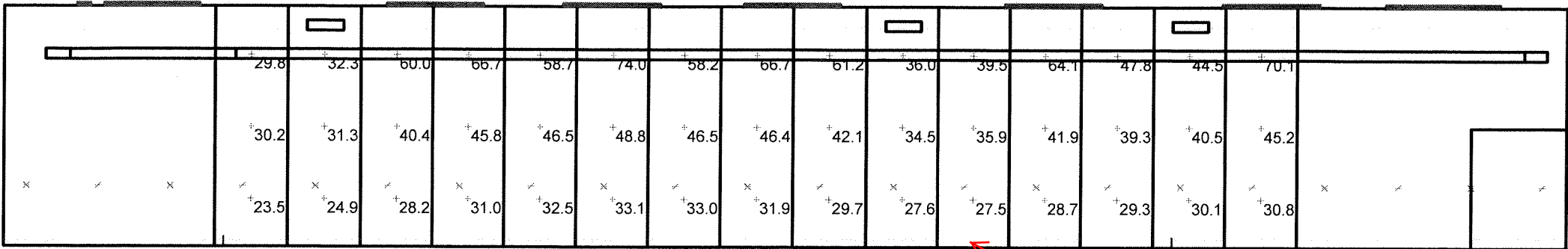


REVISIONS				 METRON, INC. DENVER, CO.	POWER DISTRIBUTION CENTER, MV SWGR NAMEPLATE KIT 1				
REV	DESCRIPTION	DATE	APPROVED						
1	AS BUILT	07/28/10	R.S.						
					SIZE	DWG NO.	REV		
				DRAWN	R.S.	12/31/09	B	Y091244-625100-01 NP	1
				CHECK					
				APPD				SCALE	N.T.S.



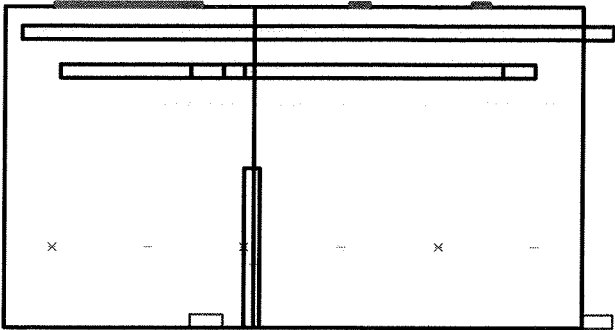
Plan View

Scale 1" = 7'



East Elevation

Scale 1" = 6'

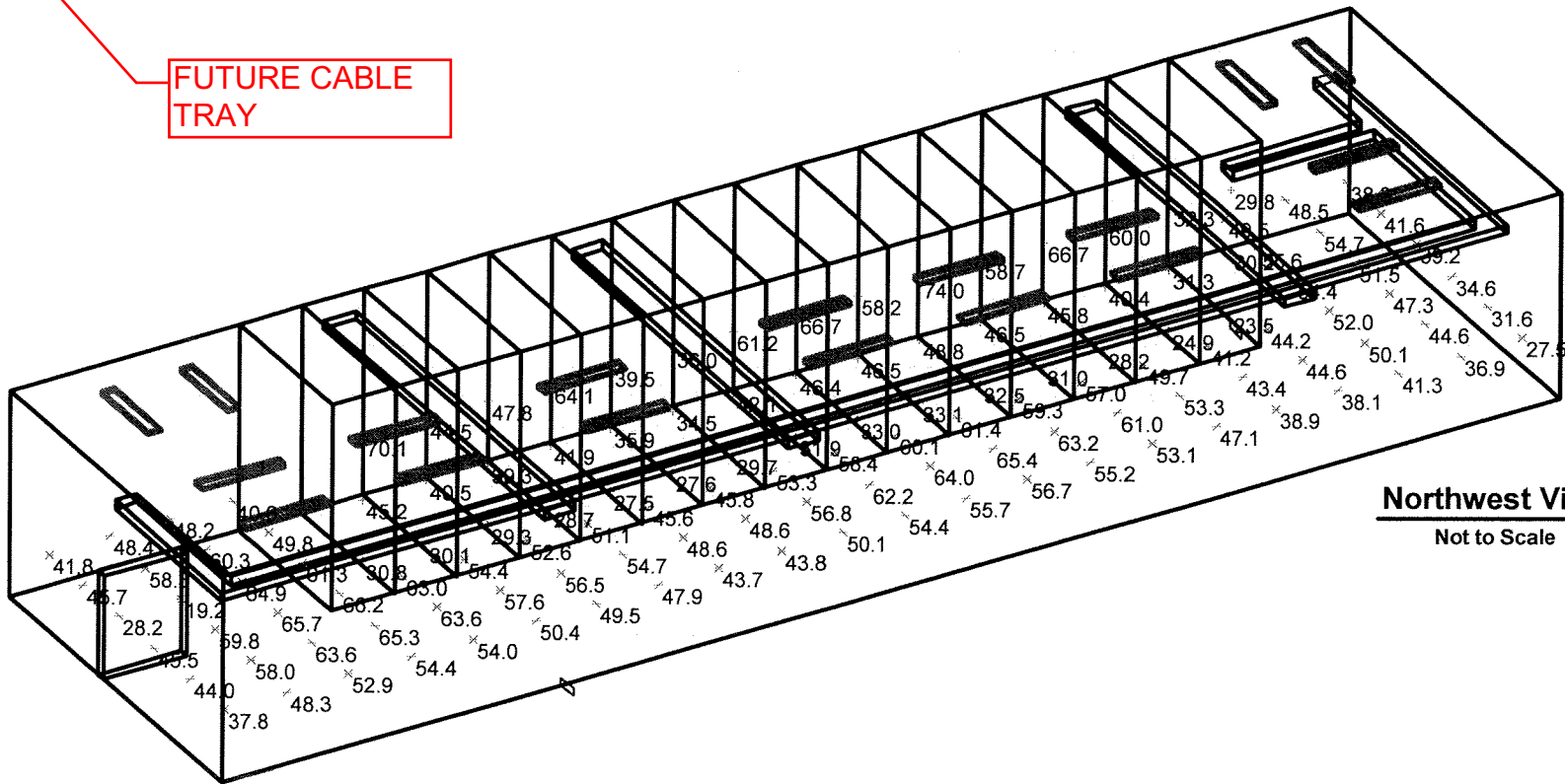


North Elevation

Scale 1" = 6'

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Face of Switchgear	+	41.5 fc	74.0 fc	23.5 fc	3.1:1	1.8:1
Switchgear Room	+	50.7 fc	66.2 fc	19.2 fc	3.4:1	2.6:1



Northwest View

Not to Scale

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
⏏	4ft	18	DMW 2 32	4FT WET LOCATION ENCLOSURE WITH (2) T8 LAMPS, 50% DR HIGH IMPACT ACRYLIC LENS.	TWO 32-WATT LINEAR FLUORESCENT T8, 735	DMW_2_32.ies	2800	1.00	56.7

LIGHTING CALCULATIONS

Designer

Date
Jan 15 2010

Scale

Drawing No.

1 of 1