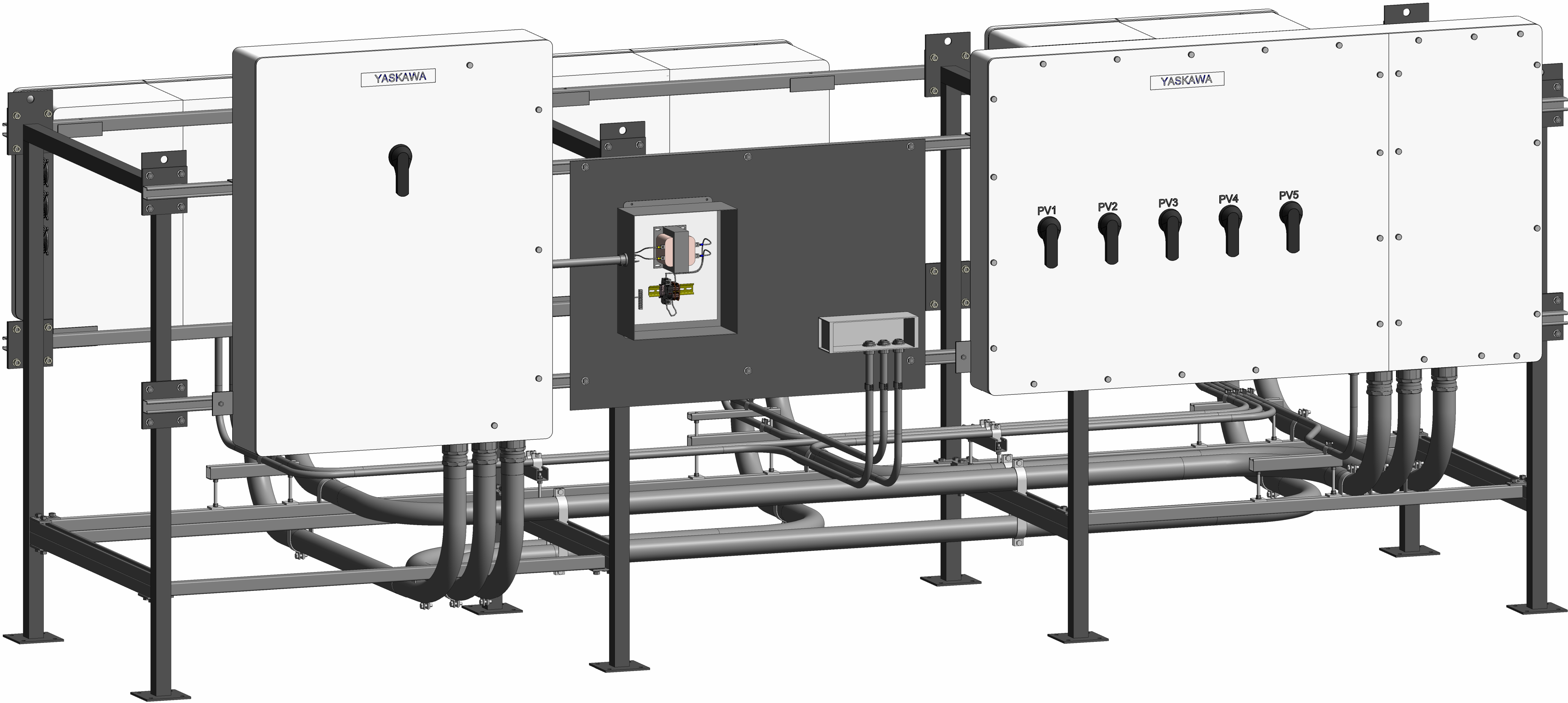


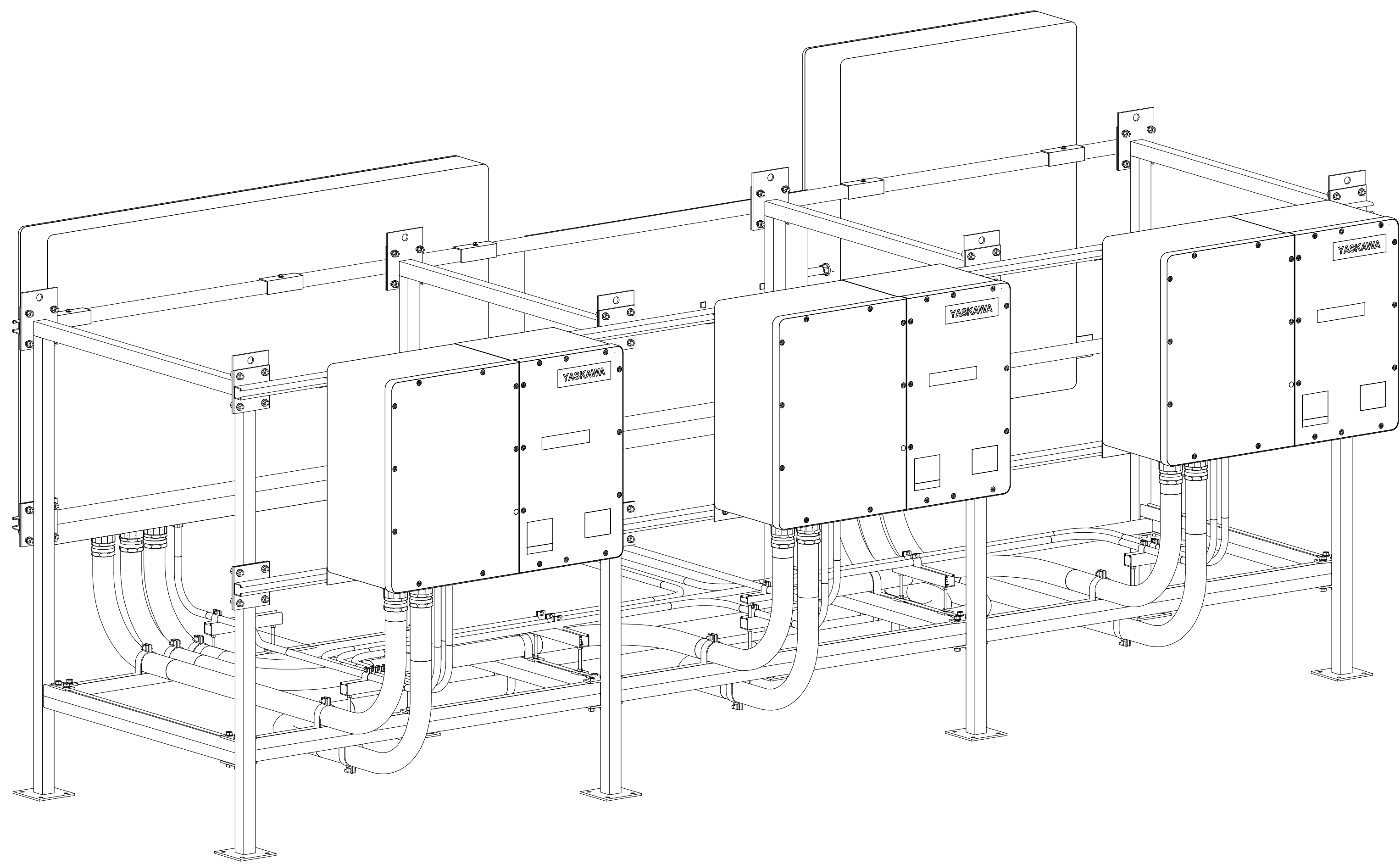
PVS-500-N-ASSEM

Customer Interface Drawings

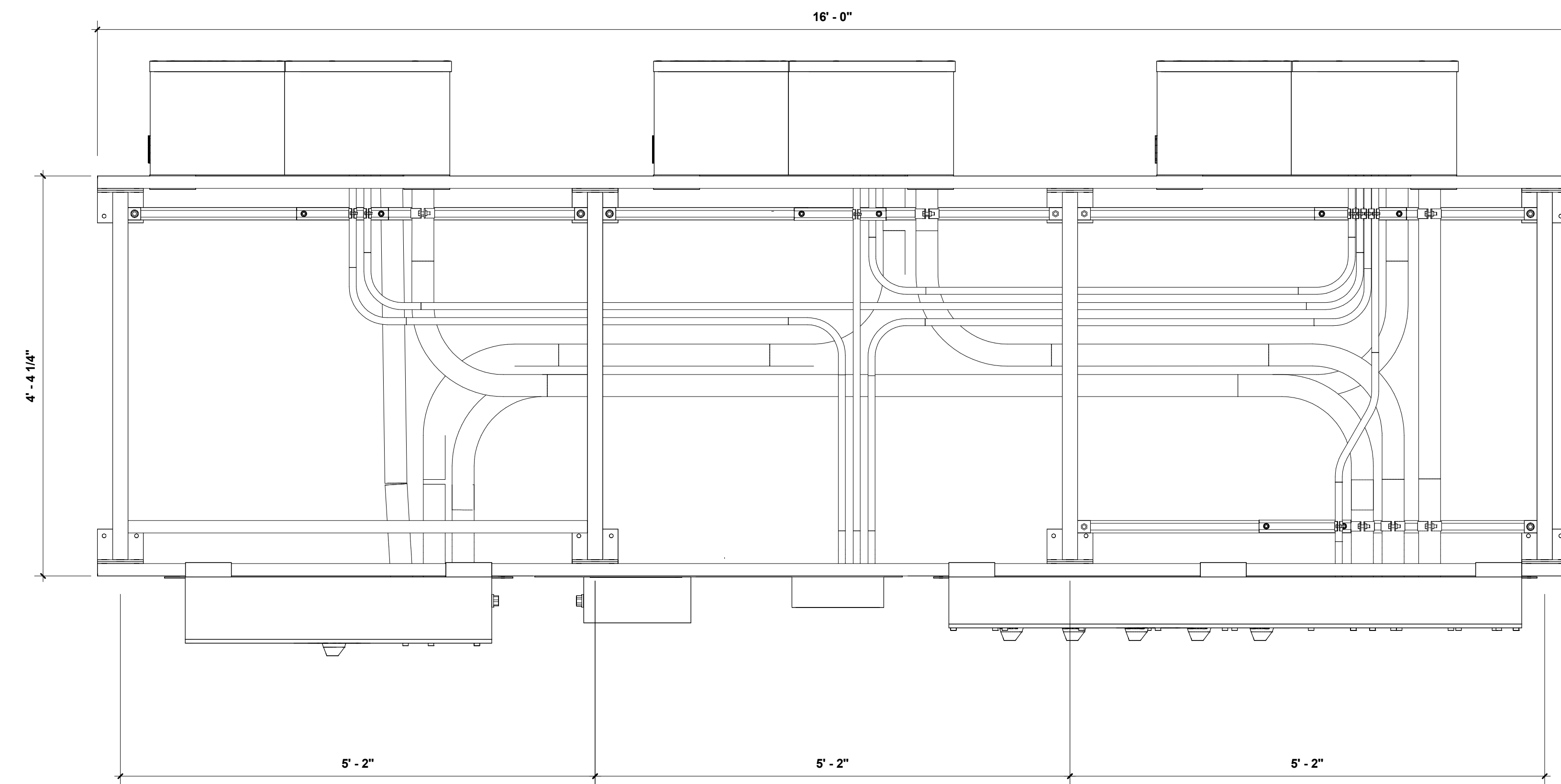


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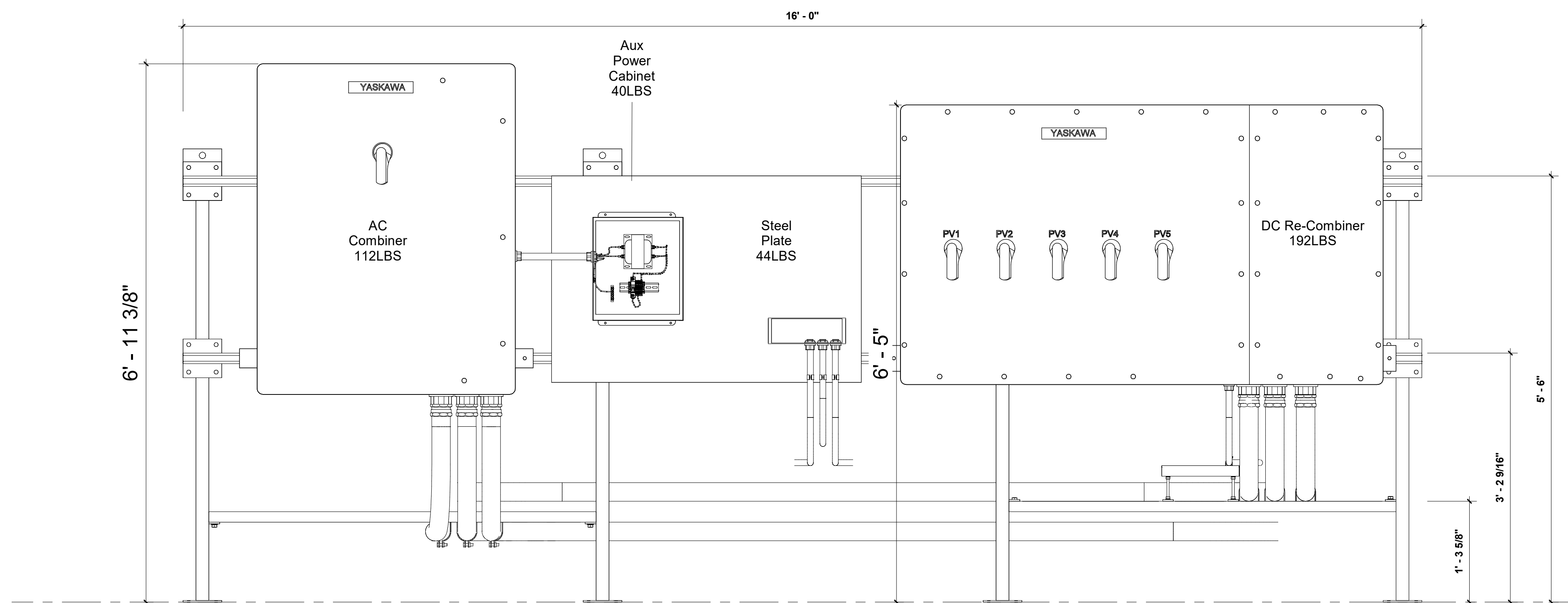
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Sheet Rev. Date: Rev 2, 07/30/2026	
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Job No:	EM-XXXX
Project Name:	PVS500
Project Address:	880 TURNPIKE ST CANTON, MA 02021
Work Package:	
Location Id:	
Sheet Name:	PVS500 - Overview
Drawing No:	WF - 0



1 PVS500 - Isometric View

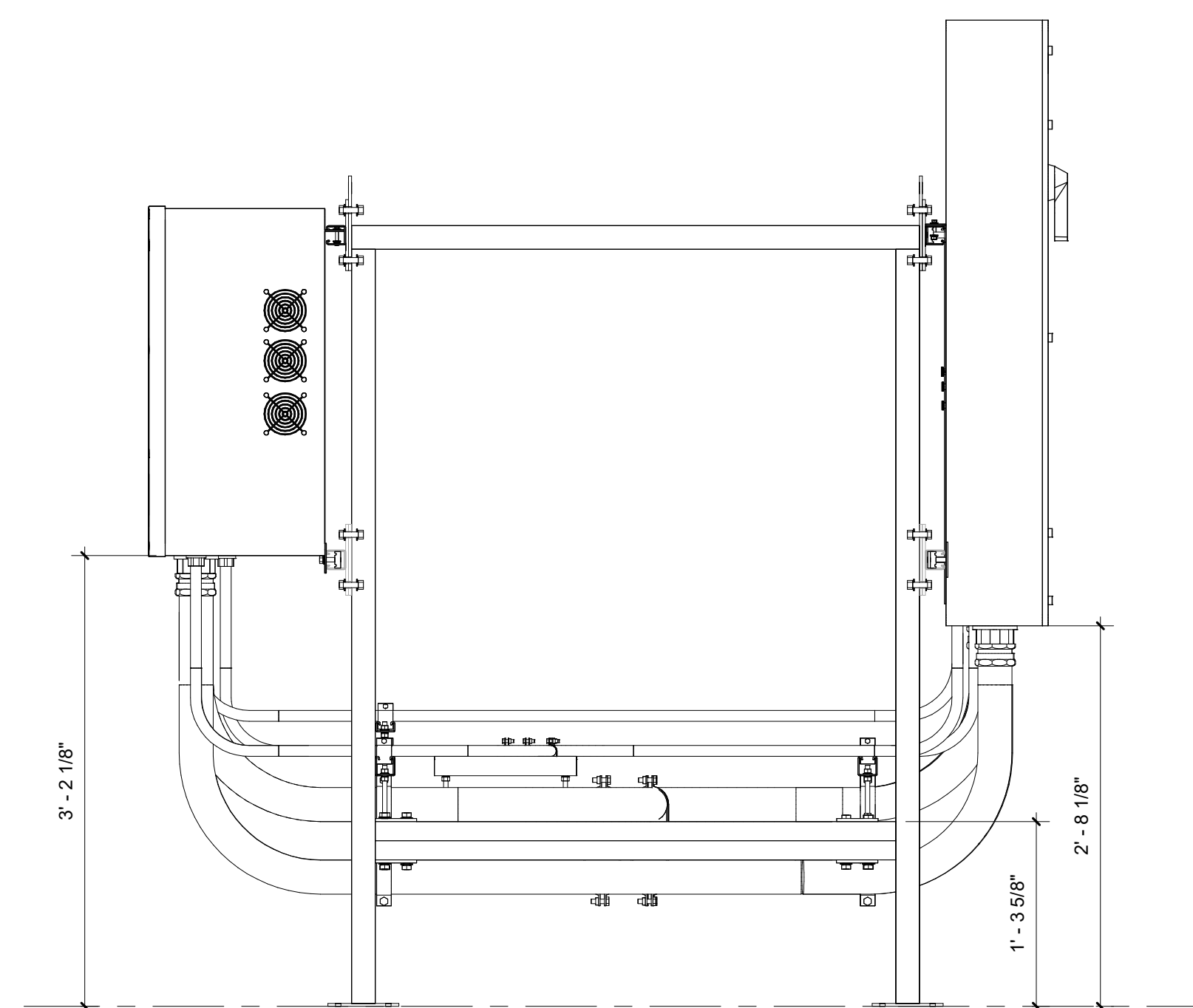


2 PVS500 - Frame - Grade View

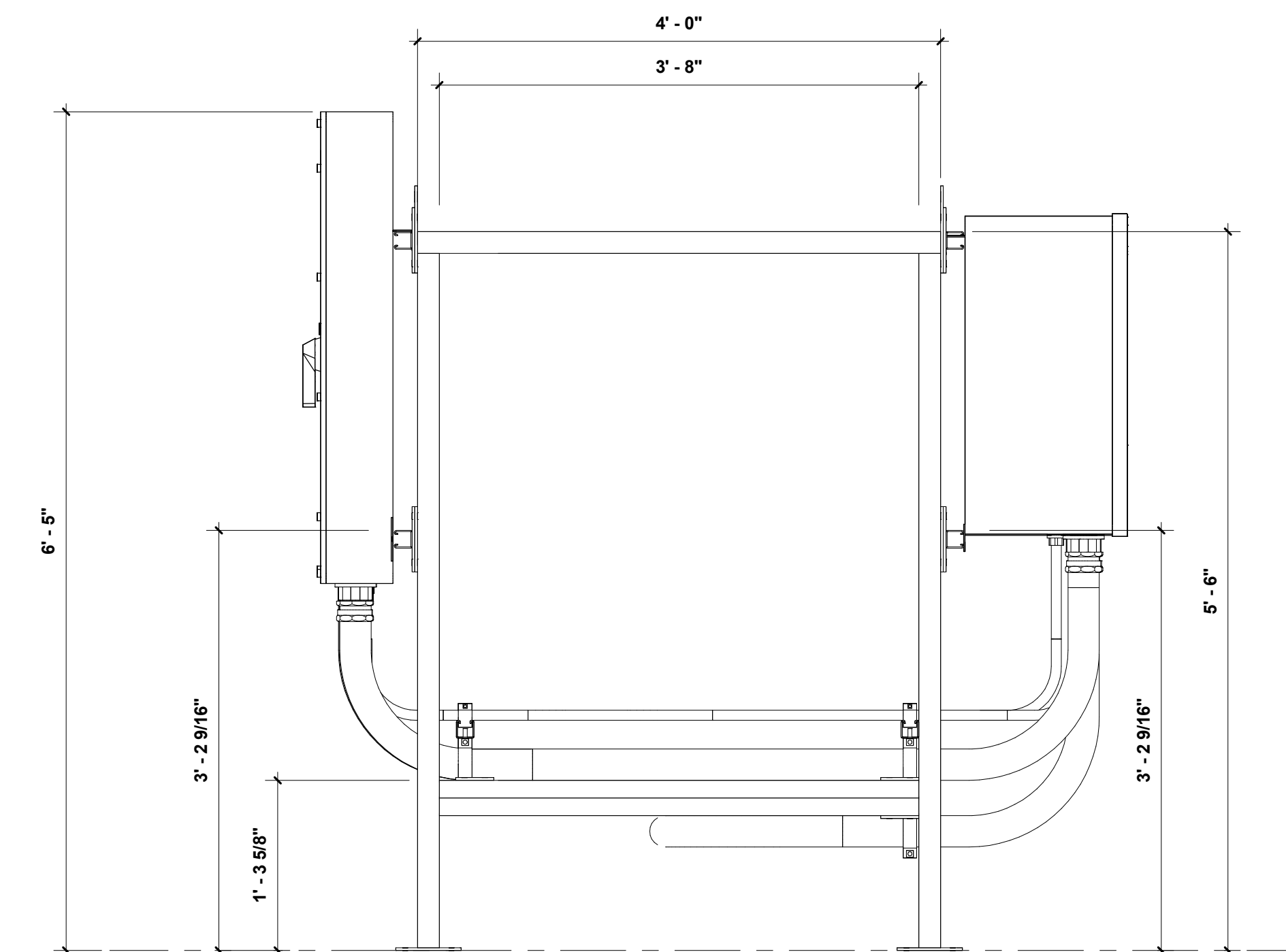


Approximate Overall Weight = 2,400 LBS

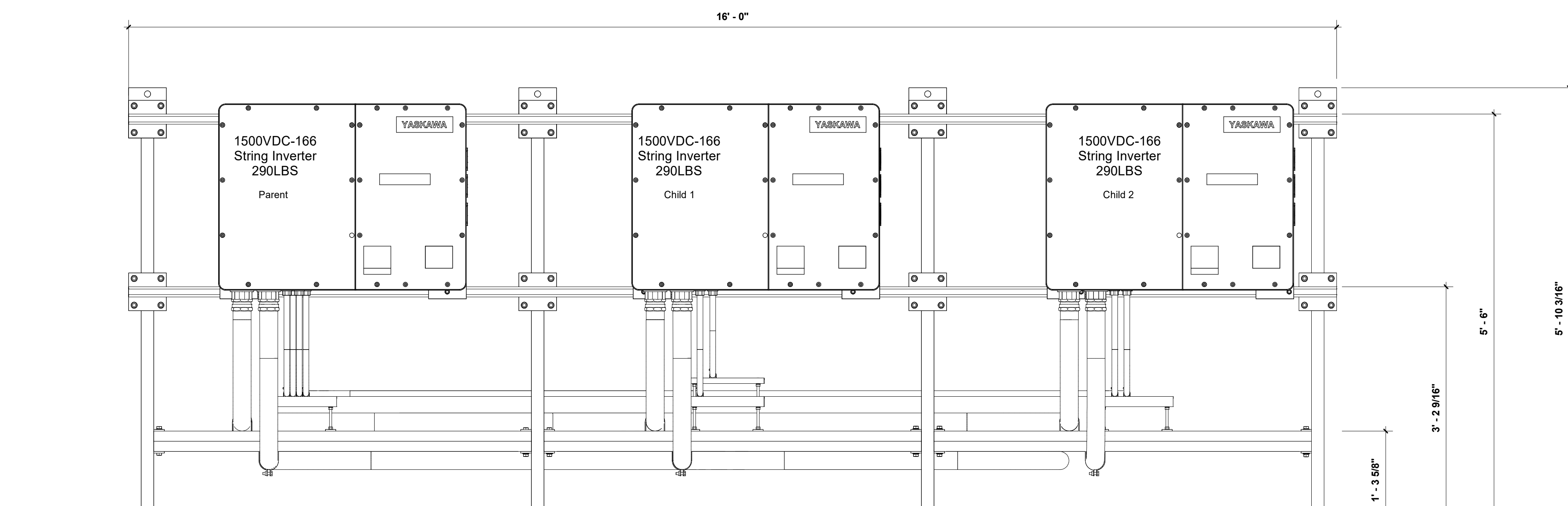
3 PVS500 - Frame - South Elevation



4 PVS500 - Frame - West View

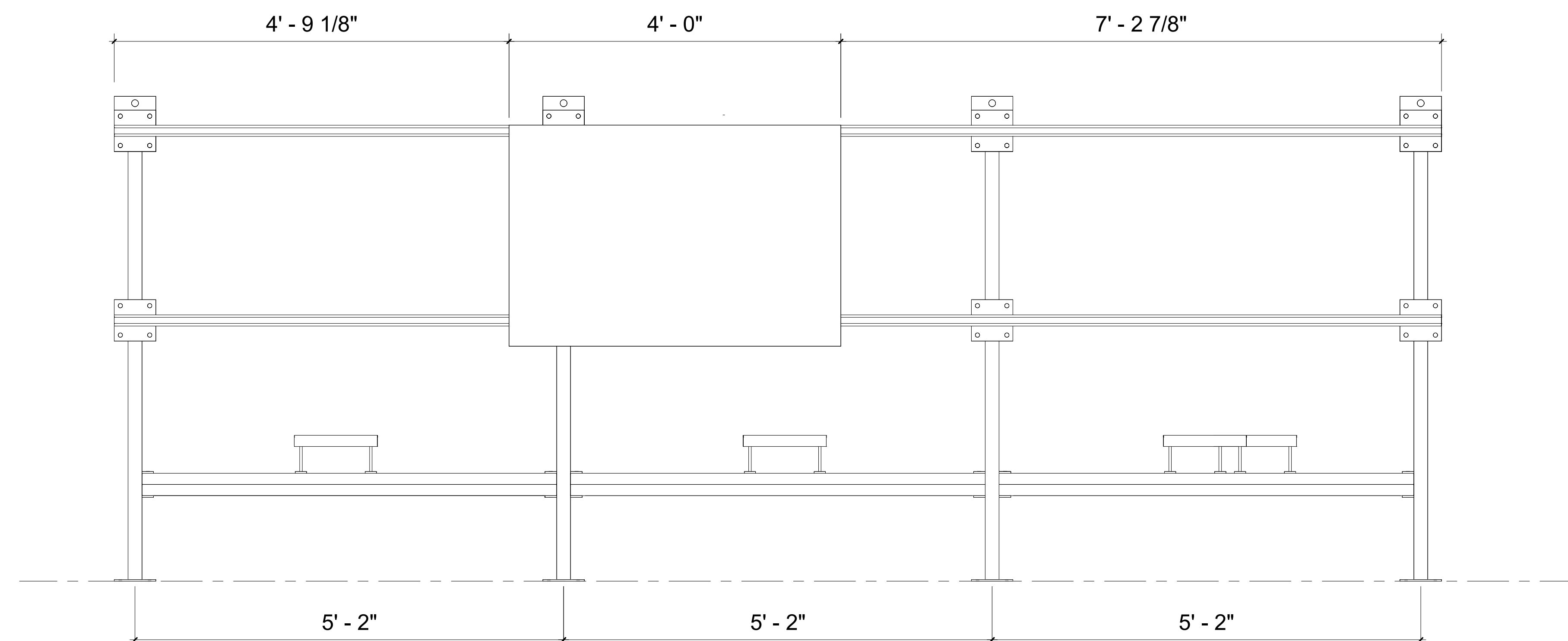


5 PVS500 - Frame - East View



Approximate Overall Weight = 2,400 LBS

6 PVS500 - Frame - North Elevation



⑦ PVS500 - Frame Only



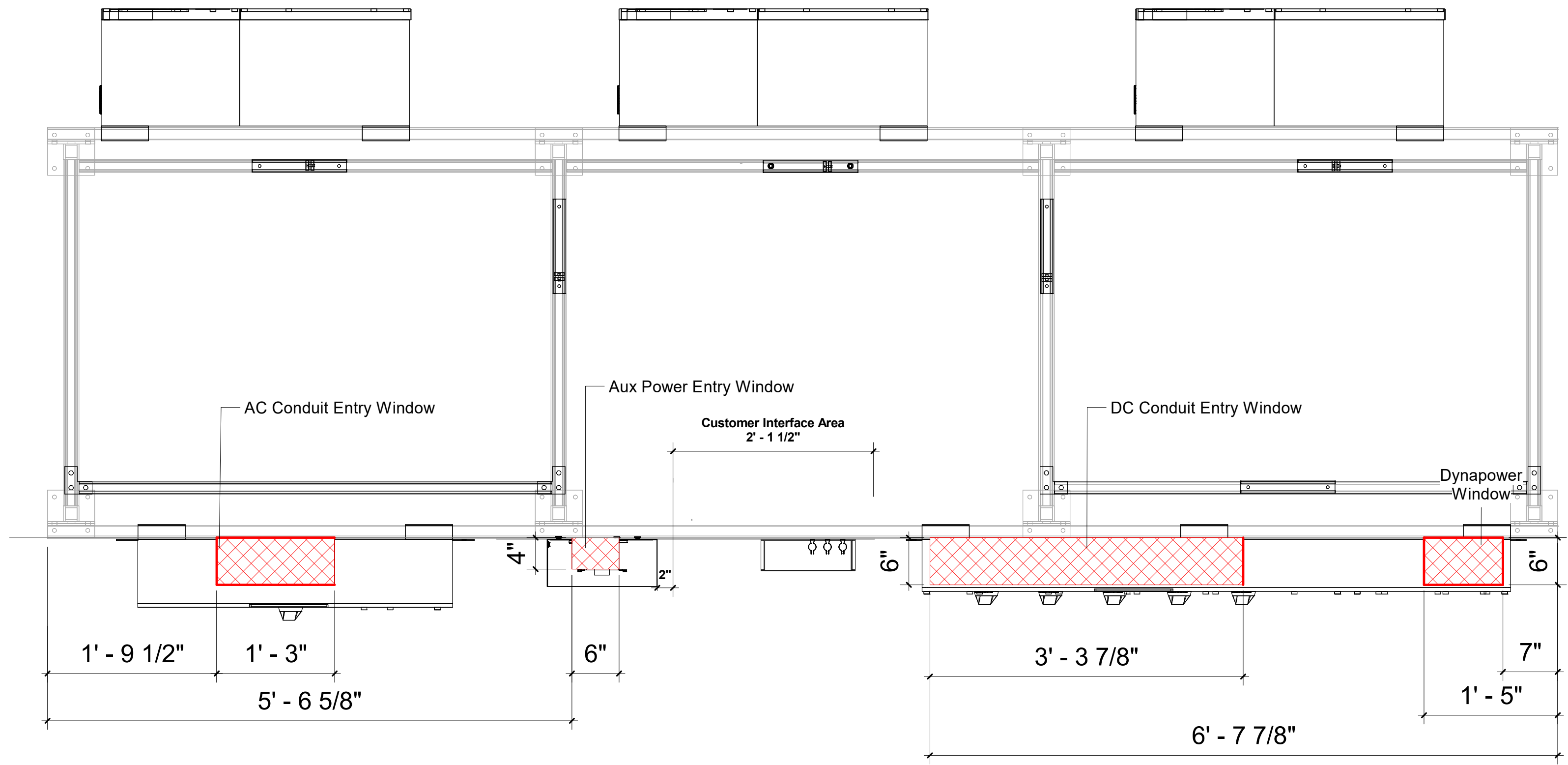
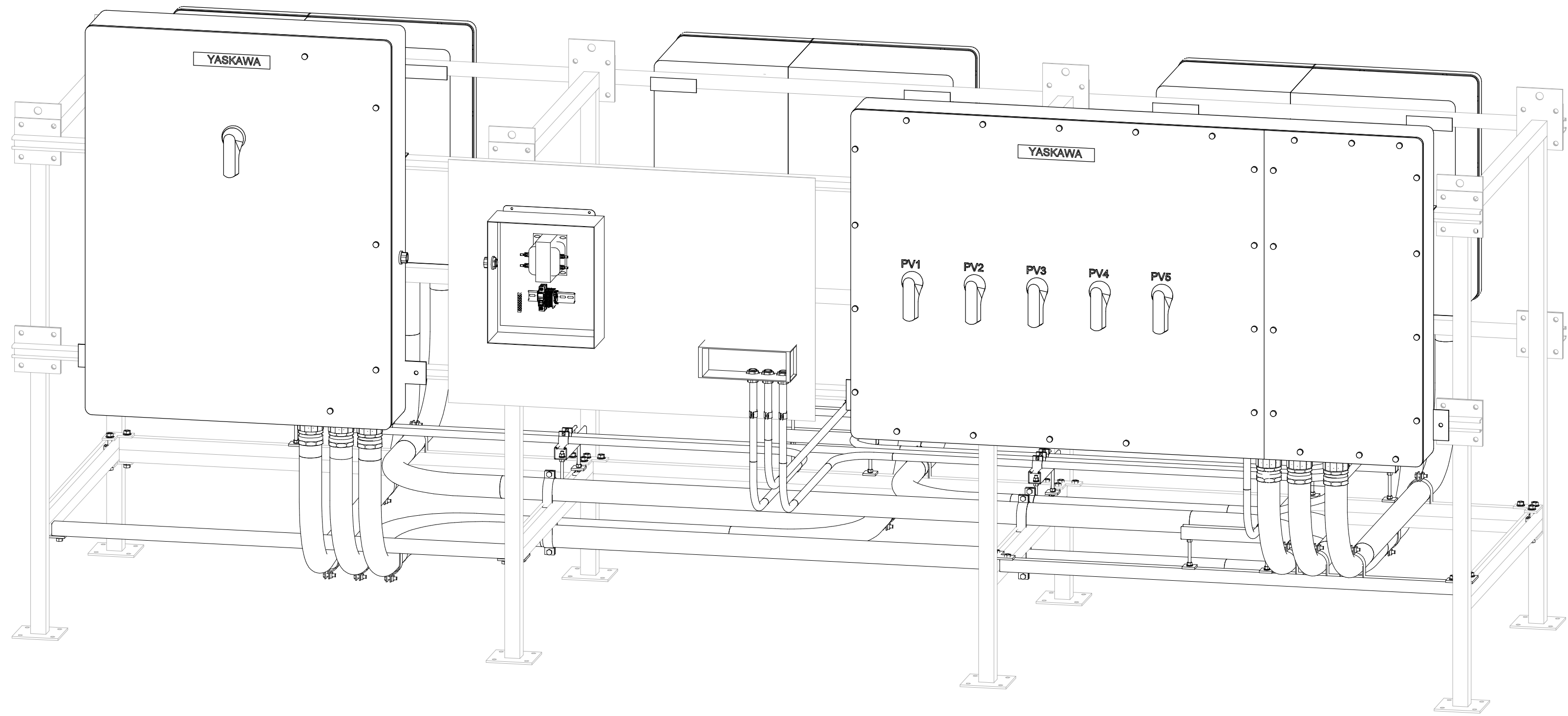
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Sheet Rev. Date: Rev 2, 07/30/2026

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Job No:	EM-XXXX
Project Name:	PVS500
Project Address:	980 TURNPIKE ST CANTON, MA 02021

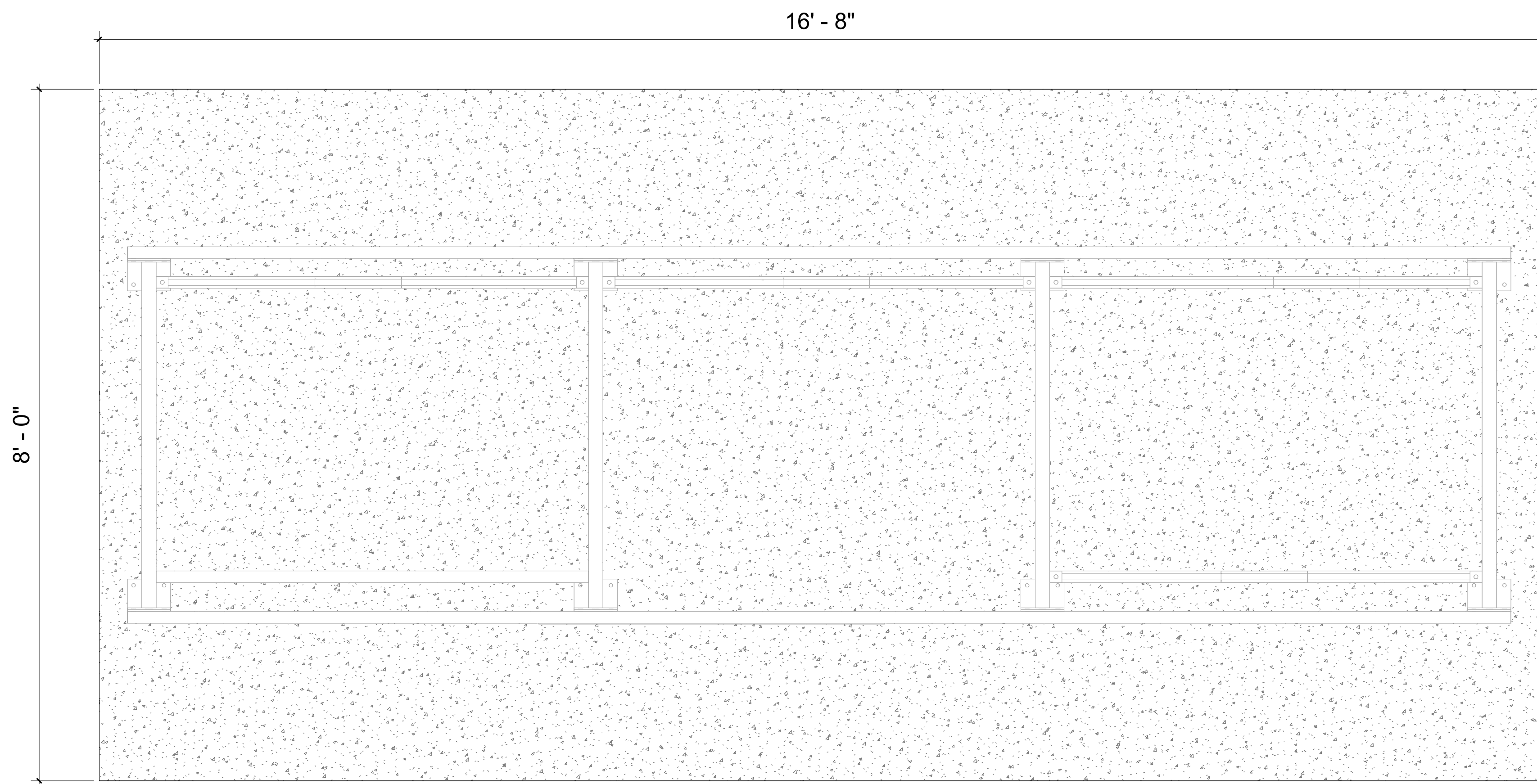
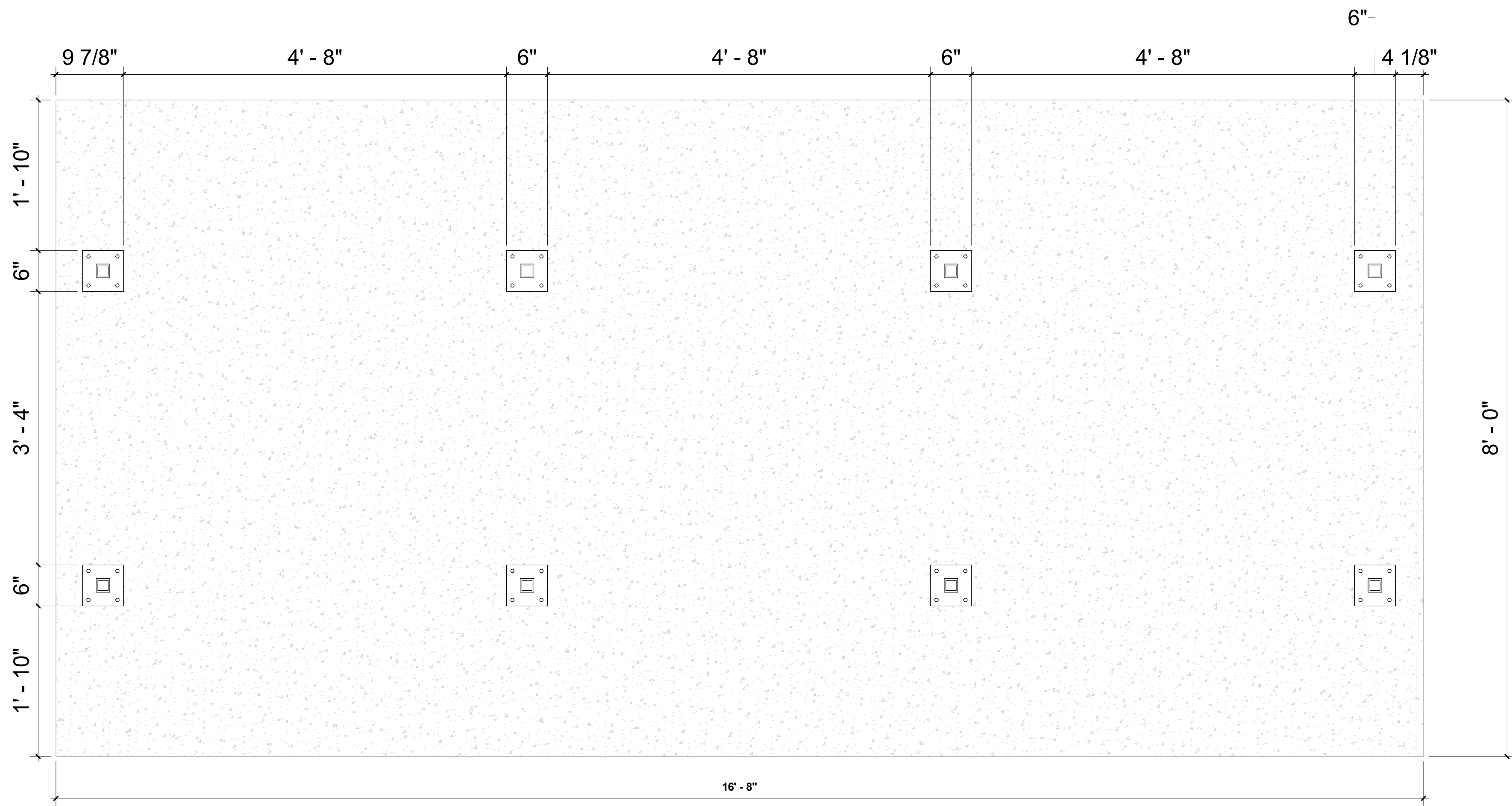
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Location Id:	
Sheet Name:	PVS500 - Frame Design

WF - 1



1 PVS500 Conduit Overview

2 PVS500 - Conduit Entry Plan View

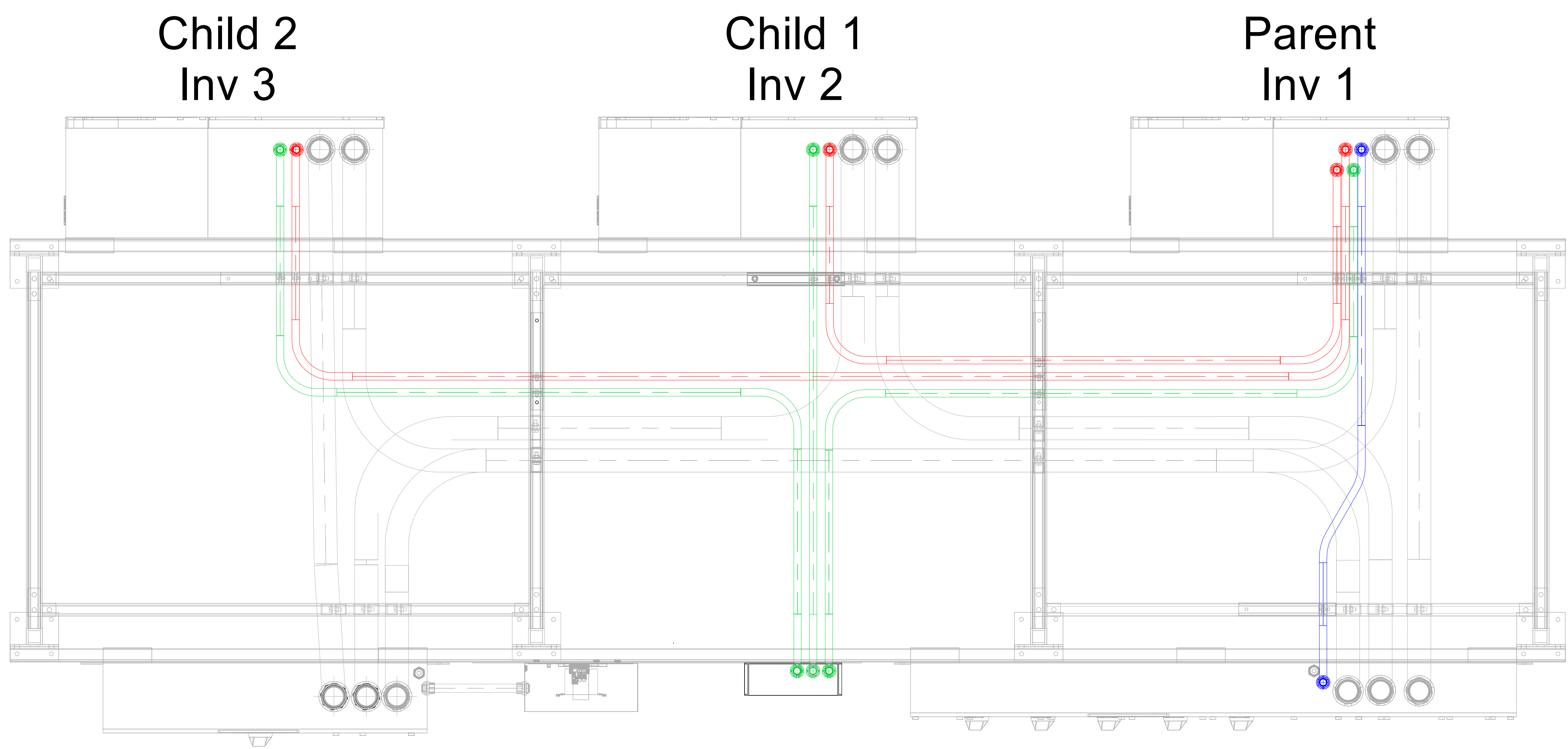


3 PVS500 - Post Base Locations

4 PVS500 - Equipment Pad

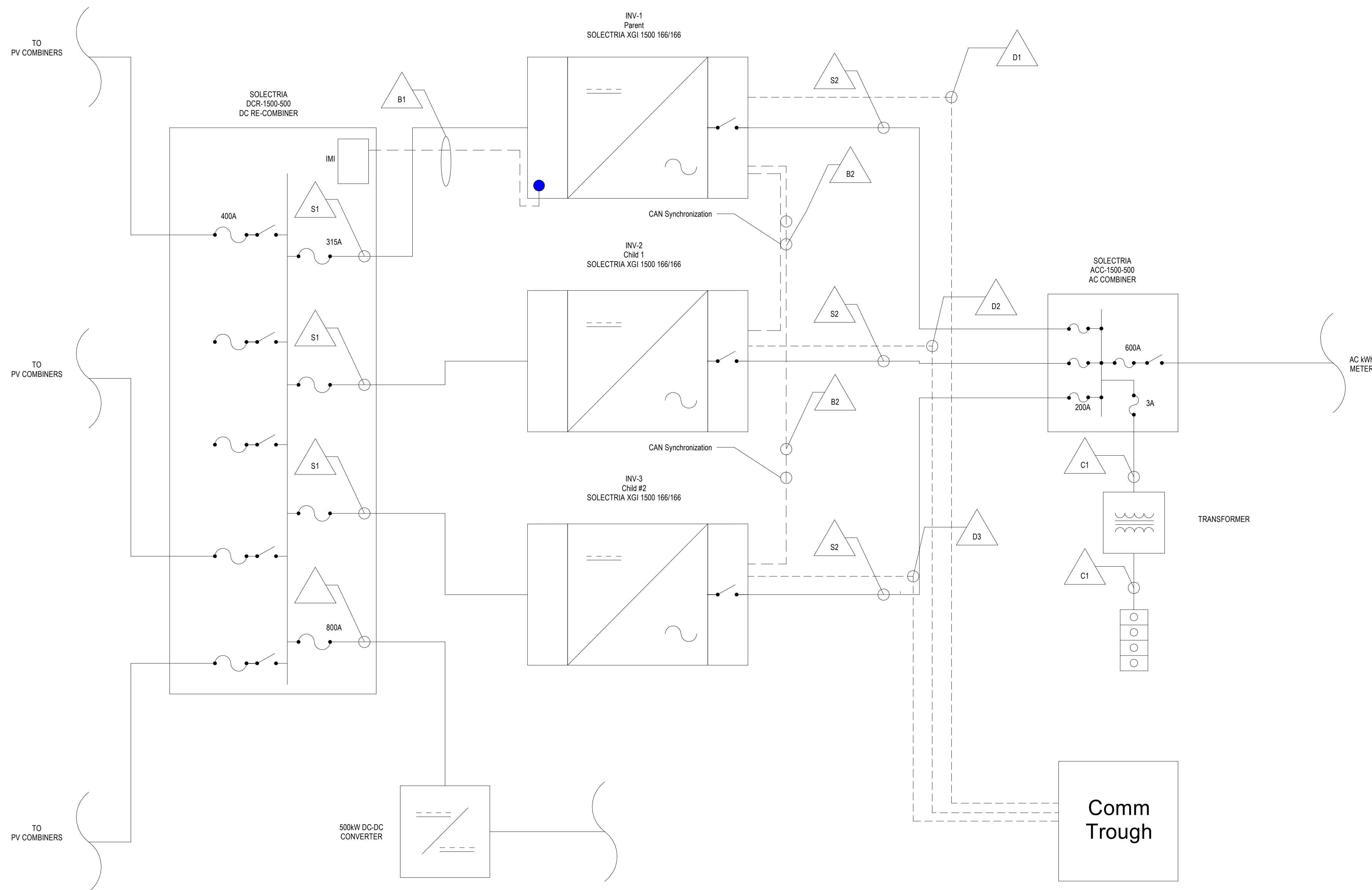
YASKAWA
SOLECTRIA SOLAR

Sheet Issue Date:	07/30/26
Sheet Rev. Date:	Rev 2, 07/30/2026
Notes:	
Job No:	EM-XXXX
Project Name:	PVS500
Project Address:	880 TURNPIKE ST CANTON, MA 02021
Work Package:	
Location Id:	
Sheet Name:	PVS500 - Equipment Pad Details
Drawing No:	WF - 2



1 PVS500 - Communication Wiring - Grade View

- = B1 - Controls IMI
- = B2 - CAN
- = B3 - Com



PVS-500 CABLE SCHEDULE (FACTORY WIRING ONLY)

GENERAL				PHASE CONDUCTOR DETAILS					GROUNDING CONDUCTOR...				ROUTING DETAILS				NOTES
APPLICATION	CABLE ID	ORIGINATING EQUIPMENT	TERMINATING EQUIPMENT	QTY	SIZE	MATERIAL	TYPE	TERMINATING TORQUE	SIZE	MATERIAL	TYPE	TERMINATING TORQUE	ROUTING*	ROUTING	CABLE LENGTH	GROUND LENGTH	
AC POWER	S2	AC Combiner	Parent	3C + G	4/0 AWG	ALUMINUM	XHHW-2	220 in-lbs	4 AWG	ALUMINUM	EGC	90- in-lbs	EMT	2 1/2" CONDUIT	18'	18'	
AC POWER	S2	AC Combiner	Child 1	3C + G	4/0 AWG	ALUMINUM	XHHW-2	220 in-lbs	4 AWG	ALUMINUM	EGC	90- in-lbs	EMT	2 1/2" CONDUIT	25'	25'	
AC POWER	S2	AC Combiner	Child 2	3C + G	4/0 AWG	ALUMINUM	XHHW-2	220 in-lbs	4 AWG	ALUMINUM	EGC	90- in-lbs	EMT	2 1/2" CONDUIT	30'	30'	
AC POWER	C1	AC Combiner	Transformer	2C + G	12 AWG	COPPER	THHN	8 in-lbs	12 AWG	COPPER	EGC	40- in-lbs	EMT	3/4" CONDUIT	10'	10'	1PH 600-120V 60Hz Transformer. AC Combiner torque at fuse holder = 15 in-lb.
DC POWER	S1	Parent	DC Recombiner	2C + G	500 KCMILL	ALUMINUM	PVWIRE 2KV	90 in-lbs	1 AWG	ALUMINUM	EGC	50- in-lbs	EMT	2 1/2" CONDUIT	30'	30'	
DC POWER	S1	Child 1	DC Recombiner	2C + G	500 KCMILL	ALUMINUM	PV WIRE 2KV	90 in-lbs	1 AWG	ALUMINUM	EGC	50- in-lbs	EMT	2 1/2" CONDUIT	25'	25'	
DC POWER	S1	Child 2	DC Recombiner	2C + G	500 KCMILL	ALUMINUM	PV WIRE 2KV	90 in-lbs	1 AWG	ALUMINUM	EGC	50- in-lbs	EMT	2 1/2" CONDUIT	18'	18'	
CONTROLS IMI	B1	DC Recombiner	Parent	4C	20 AWG	COPPER	4C Twisted Cable	-	--	--	--	--	EMT	3/4" CONDUIT	12'	--	From Comms PCBA in DC Recombiner to Parent
CAN	B2	Parent	Child 1	2C	20 AWG	COPPER	2C Shielded Cable	-	--	--	--	--	EMT	3/4" CONDUIT	18' 6"	--	CAN for Synching inverters
CAN	B2	Parent	Child 2	2C	20 AWG	COPPER	2C Shielded Cable	-	--	--	--	--	EMT	3/4" CONDUIT	24'	--	CAN for Synching inverters
Com	D1	Com Trough	Parent	1C	24AWG	COPPER	Cat 6 Shielded	-	--	--	--	--	EMT	3/4" CONDUIT	14'	--	Com Cat 6 Cabling
Com	D2	Com Trough	Child 1	1C	24AWG	COPPER	Cat 6 Shielded	-	--	--	--	--	EMT	3/4" CONDUIT	8'	--	Com Cat 6 Cabling
Com	D3	Com Trough	Child 2	1C	24AWG	COPPER	Cat 6 Shielded	-	--	--	--	--	EMT	3/4" CONDUIT	14'	--	Com Cat 6 Cabling