



LINCOLN ELECTRIC PRODUCTS CO., INC.

EV-2S 2000A

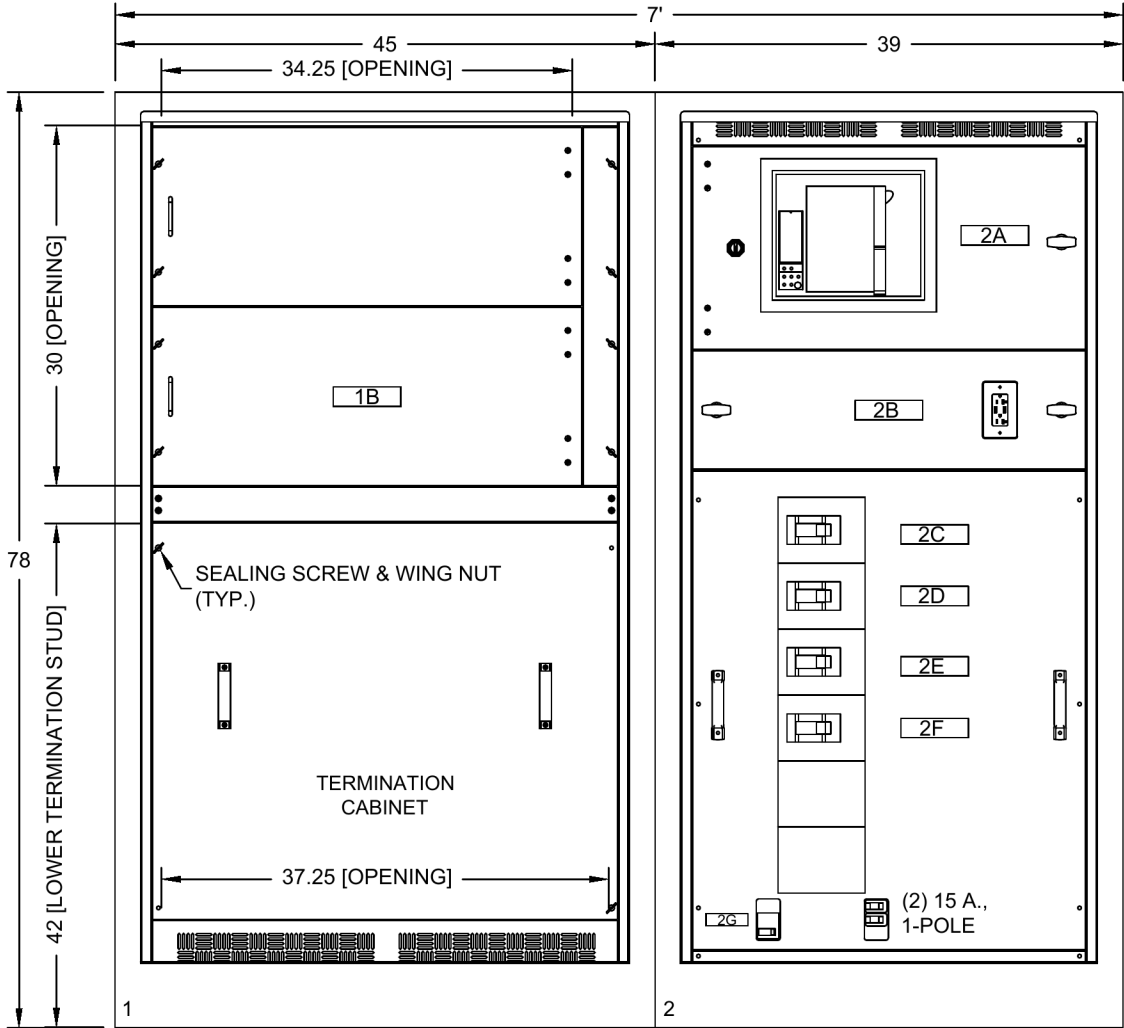
Inventory serial: 27325

Drawing/Part:		Qty.	Spec section:
Number	Rev.		Description of material being submitted:
	0	-	EV-2 Drawing

NOTES:

1. This submittal represents Lincoln Electric's interpretation of the contract drawings provided. It is the responsibility of the electrical contractor and consulting engineer to verify this submittal for accuracy. Any deviation not indicated on the contract drawings will incur additional charges.
2. The customer must return the approved submittal accompanied by a written release to proceed with manufacturing and delivery of the included equipment.

PACIFIC POWER		
DRAWING CONTENT	UTIL REF.	EUSERC REF.
CT COMPARTMENT	FIG. 66	322
SERVICE SECTION	FIG. 60	326
BUS UNITS & CT LINK	FIG. 66	322
COMPARTMENT DOORS	FIG. 60	326
TERMINATION CABINET	FIG. 60, 61	327
TERMINATION FACILITIES	FIG. 60, 62	345, 347
OUTDOOR ENCLOSURE	NO REF.	354
METER SOCKET	FIG. 60	339



FRONT VIEW
(SHOWN WITHOUT DOORS)

PRODUCT DESCRIPTION & RATINGS:

- EV-2

UTILITY INFORMATION [PACIFIC POWER (EUSERC)]

- METER BEFORE DISCONNECT (HOT SEQUENCE).

POWER SYSTEM DATA

- INCOMING - BOTTOM FEED.

BUS SYSTEM DATA

- SILVER PLATED COPPER MAIN BUS.
- DENSITY RATED AT 1000A PER SQUARE INCH.
- 98% CONDUCTIVITY RATED IN ACCORDANCE W/ UL891.

ENCLOSURE DATA

- CODE GAUGE, FORMED COVERS AND DOORS
- ENCLOSURE SHALL CONFORM TO INGRESS PROTECTION REQUIREMENTS IN ACCORDANCE WITH TYPE-3R.
- EXTERIOR HARDWARE SHALL BE TAMPER-RESISTANT.
- DOOR HANDLES ARE EQUIPPED WITH PADLOCK HASP.
- FINISH SHALL BE: **WHITE**.
- FRONT ACCESS ONLY.

CODE STANDARDS

- UL891
- CSA-C22.2 No. 244
- SUITABLE FOR USE AS SERVICE EQUIPMENT.

NAMEPLATES

- PHENOLIC TYPE, WHITE w/BLACK LETTERS.

ACCESSORIES

- ENCLOSURE HEATER W/ HYGROSTAT CONTROL
- SERVICE DISCONNECT PROVIDED WITH GROUND FAULT PROTECTION IN ACCORDANCE WITH NEC 230.95

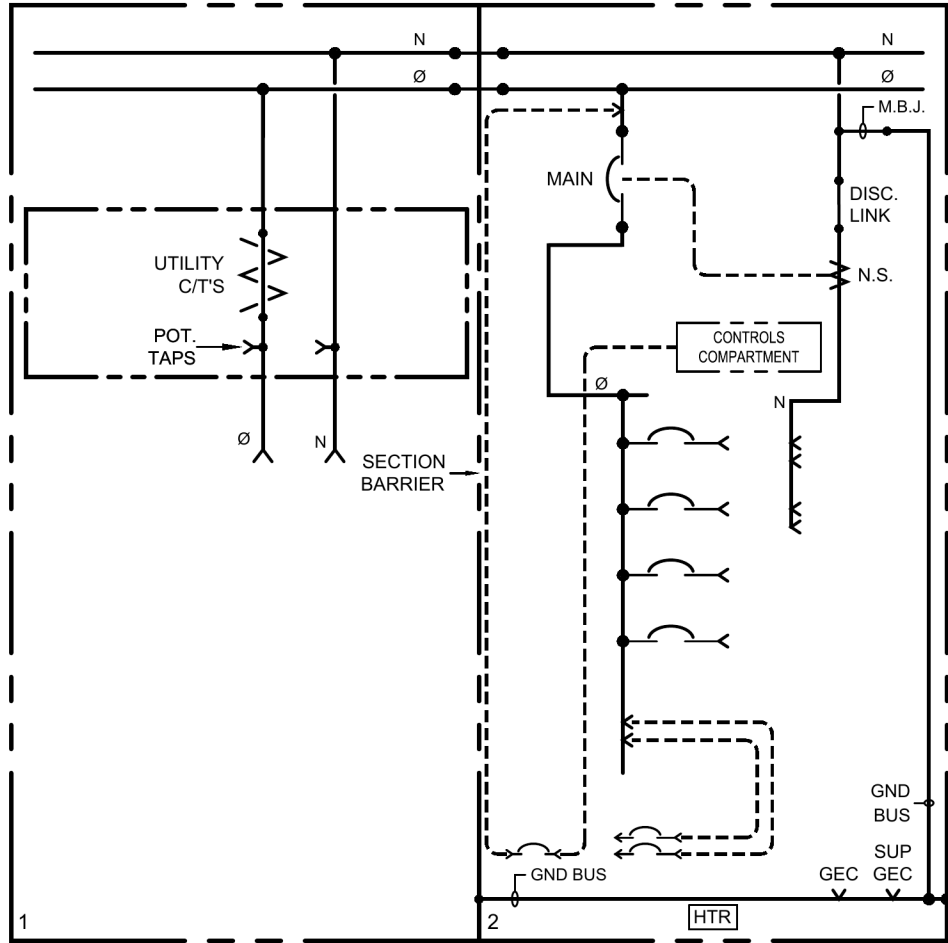
REFERENCES:

- FOR NAMEPLATE DESIGNATIONS SEE 'SWITCHBOARD SCHEDULE' SHT-03



LINCOLN ELECTRIC
PRODUCTS CO., INC.

DRAWING TITLE		EQUIPMENT DESIGNATION					SHEET NUMBER
FRONT VIEW		EV-2					1 OF 6
SHORT CIRCUIT RATING	VOLTAGE	AMPERAGE	SYSTEM	BUS MATERIAL	ENCLOSURE	REV	
65kA. SYM. RMS	480Y/277V AC	2000A	3 ϕ , 4W	COPPER	TYPE-3R	0	



LEGEND:

- HTR - STRIP HEATER
----- - FACTORY WIRED

REFERENCES:

- FOR CONTROLS COMPARTMENT DETAILS SEE SHT-06



LINCOLN ELECTRIC
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DRAWING TITLE		EQUIPMENT DESIGNATION				
ONE-LINE DIAGRAM		EV-2				
SHORT CIRCUIT RATING	VOLTAGE	AMPERAGE	SYSTEM	BUS MATERIAL	ENCLOSURE	REV
65kA. SYM. RMS	480Y/277V AC	2000A	3 ϕ , 4W	COPPER	TYPE-3R	0

SHEET NUMBER
2 OF 6

SWITCHBOARD SCHEDULE

CUB. LOCN.	DESIGNATION	DEVICE MANUFACTURER	FRAME RATING	TRIP RATING/ TYPE	# OF POLES	DEVICE CAT. NO.	LUG INFORMATION						CONDUCTOR MATERIAL	CABLE ENTRY	NOTES
							QTY	PHASES	QTY	NEUTRAL	QTY	GROUND			
1	INCOMING	-	-	-	-	-	3	TERMINATION STUDS PER EUSERC DWG. 347			-	-	-	BOTTOM	- PROVISIONS FOR INSTALLING UTILITY LUGS
1A	SERVICE SWITCHBOARD 2000A., 3Ø, 4W., 480Y/277V	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1B	2000A. EUSERC (PACIFIC POWER) C/T COMPARTMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	- C/T'S SUPPLIED & WIRED BY UTILITY
2	GEC	-	-	-	-	-	-	-	-	-	2	(1) #6-350 KCMIL	COPPER	BOTTOM	-
2A	MAIN SERVICE DISCONNECT	SCHNEIDER	2000/3 'MTZ'	1200A LSIG	3	EBGKGABABNNNNNNNNNNN NNNWNNNENNNNCNNNNNN	BUS CONNECTED						-	-	- 100% RATED - INTEGRAL GROUND FAULT PROTECTION - ERMS (ENERGY REDUCTION MODE SETTINGS) - PADLOCK HASP - DOOR ESCUTCHEON (CAT. #: S33929) - NEUTRAL SENSOR (CAT. #: LV834035SP)
2B	CONTROLS COMPARTMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2C	CHARGING CABINET	SCHNEIDER	600/3	300A ADJ. TRIP	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	ALUMINUM [CU GND]	BOTTOM	- PADLOCK HASP - MECHANICAL LUGS
2D	CHARGING CABINET	SCHNEIDER	600/3	300A ADJ. TRIP	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	ALUMINUM [CU GND]	BOTTOM	
2E	CHARGING CABINET	SCHNEIDER	600/3	300A ADJ. TRIP	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	ALUMINUM [CU GND]	BOTTOM	
2F	CHARGING CABINET	SCHNEIDER	600/3	300A ADJ. TRIP	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	ALUMINUM [CU GND]	BOTTOM	
2	SPACE	SCHNEIDER	600/3	-	3	-	-	-	-	-	-	-	-	-	-
2	SPACE	SCHNEIDER	600/3	-	3	-	-	-	-	-	-	-	-	-	
2G	CONTROLS COMPARTMENT MASTER DISCONNECT	SCHNEIDER	15A	15A THERMAL-MAG	2	BJL26015	-	-	-	-	-	-	-	-	- FACTORY WIRED
2	SPARE	SCHNEIDER	15/1	15A THERMAL-MAG	1	BJL16015	1	#14-3/0 AWG	1	#14 - 1/0 AWG	1	#14 - 1/0 AWG	COPPER	BOTTOM	-
2	SPARE	SCHNEIDER	15/1	15A THERMAL-MAG	1	BJL16015	1	#14-3/0 AWG	1	#14 - 1/0 AWG	1	#14 - 1/0 AWG	COPPER	BOTTOM	-

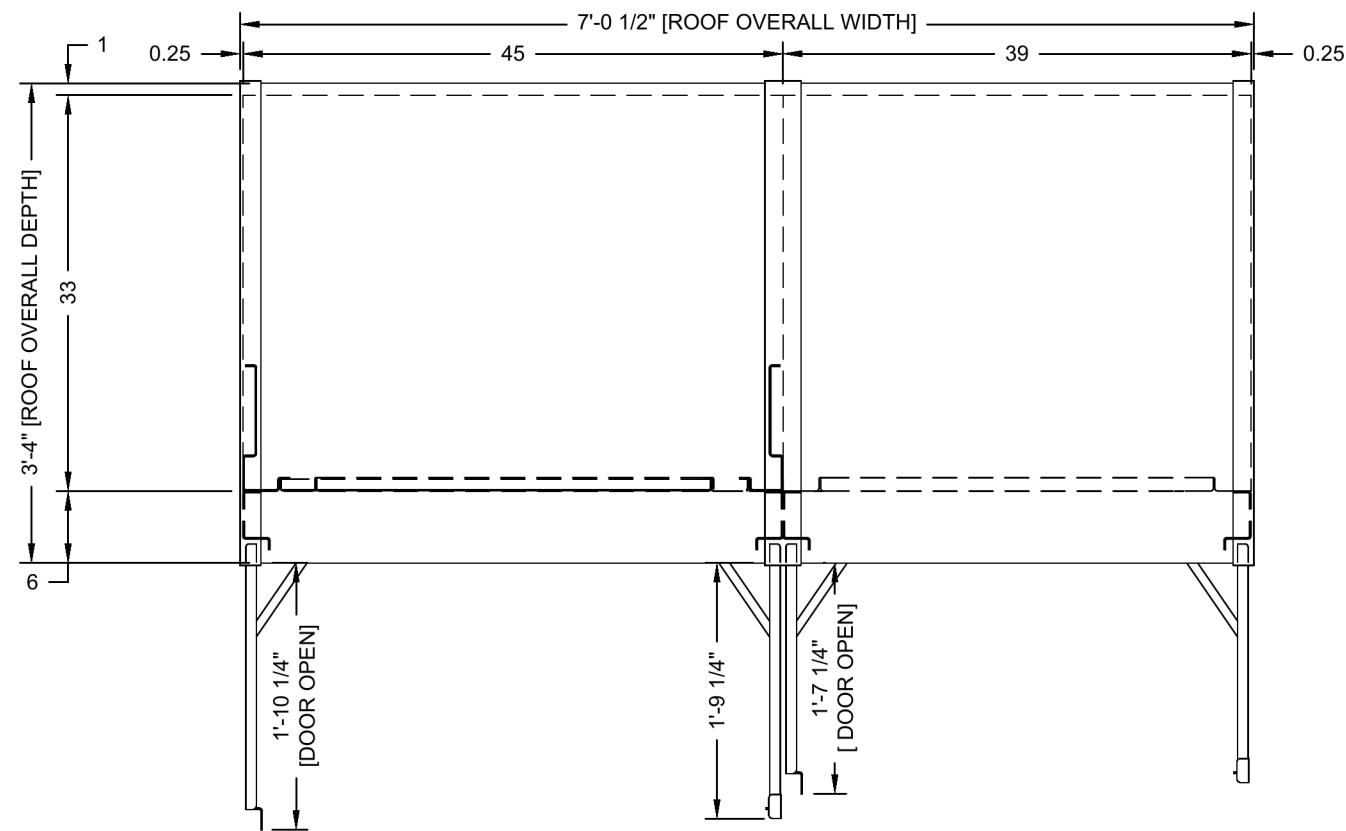


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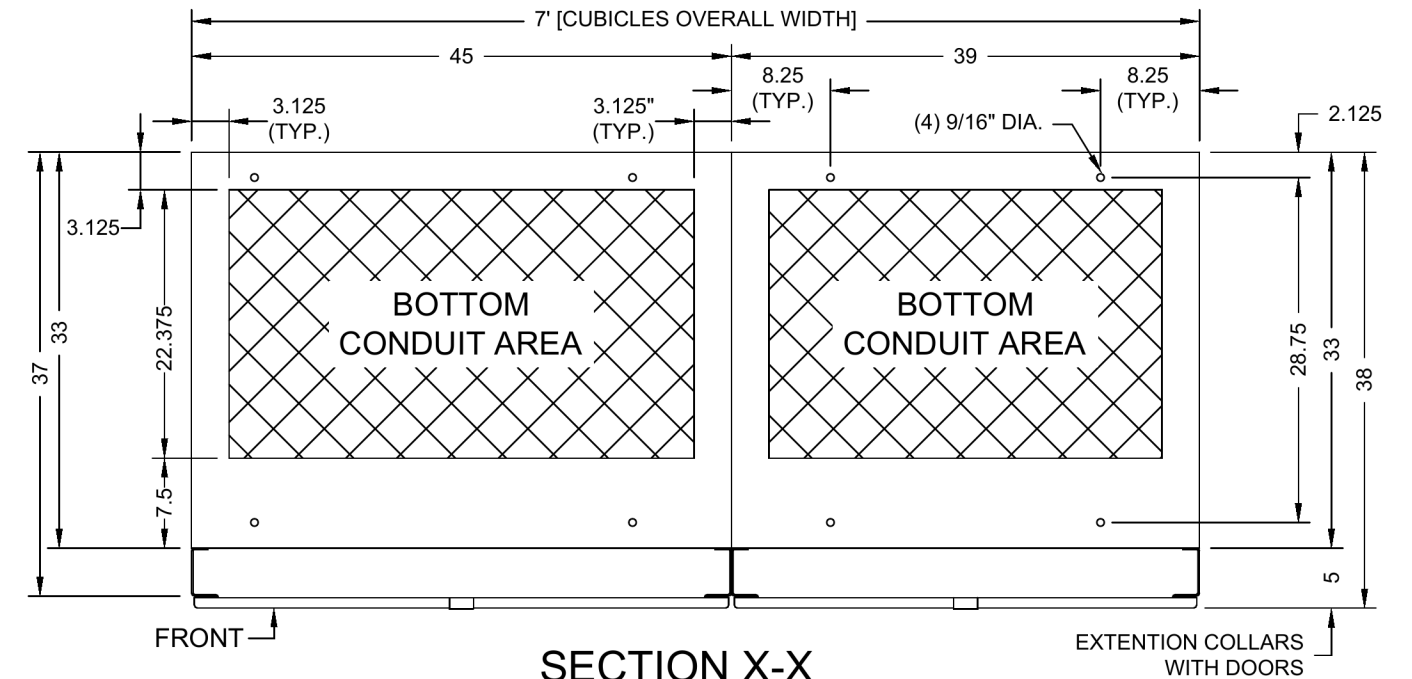
DRAWING TTITLE		EQUIPMENT DESIGNATION					
SCHEDULE		EV-2					
SHORT CIRCUIT RATING		VOLTAGE		AMPERAGE	SYSTEM	BUS MATERIAL	ENCLOSURE
65kA. SYM. RMS		480Y/277V AC		2000A	3Ø, 4W	COPPER	TYPE-3R

REV
0

SHEET NUMBER
3 OF 6



PLAN VIEW
DOORS OPEN

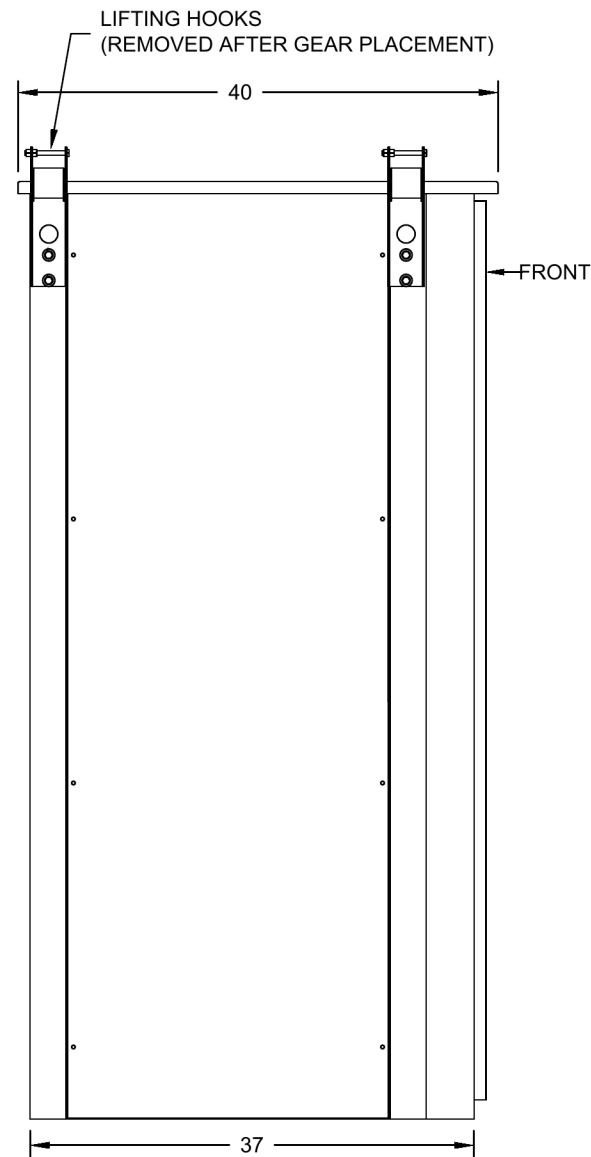


SECTION X-X
ANCHOR BOLT LOCATIONS & BOTTOM CONDUIT AREAS

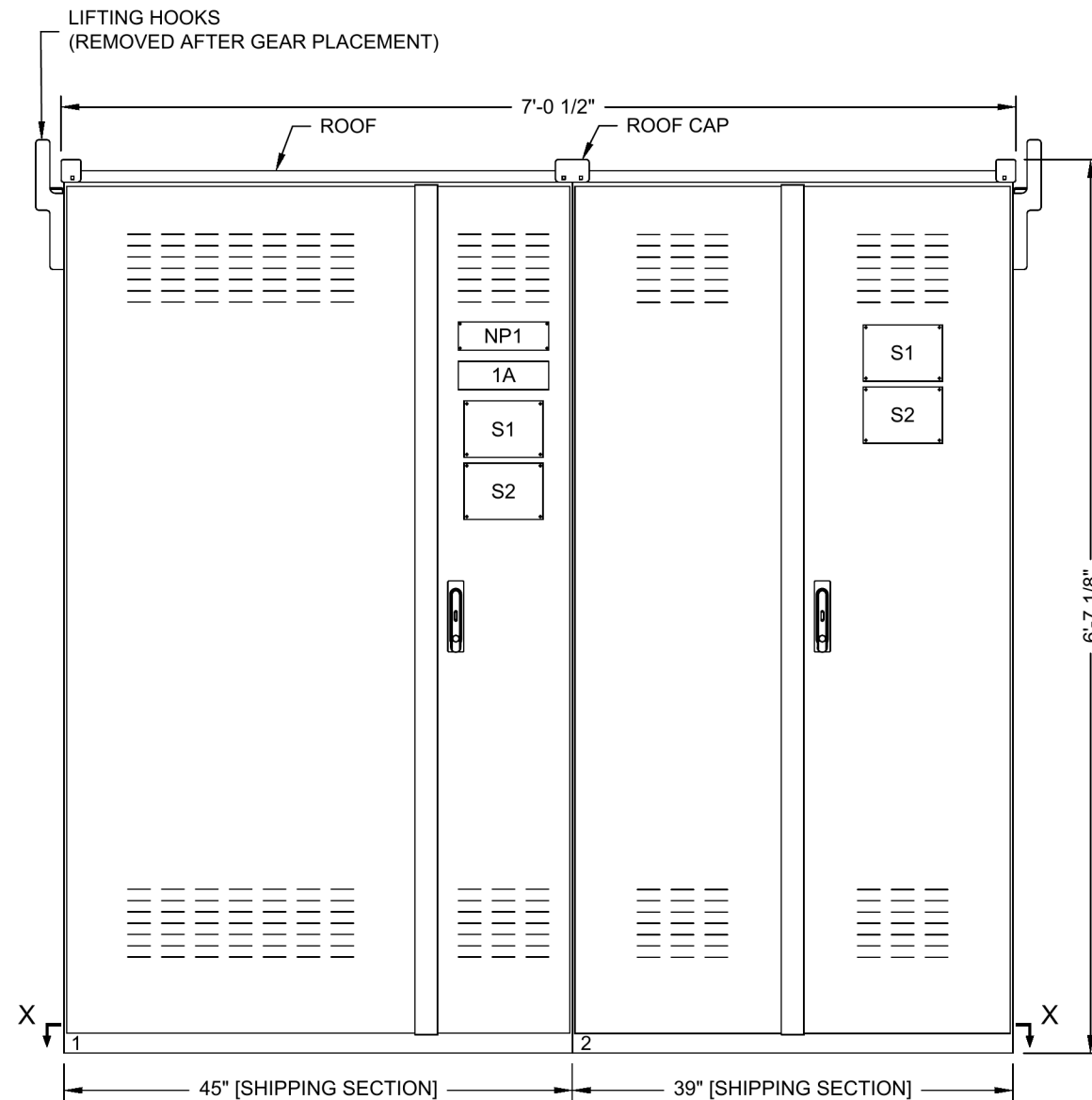


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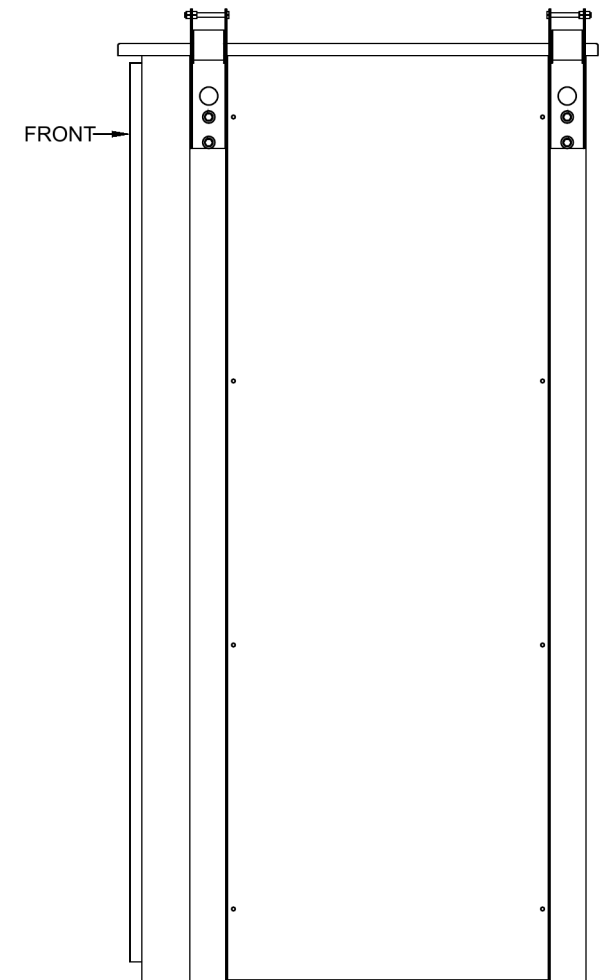
DRAWING TITLE		EQUIPMENT DESIGNATION					SHEET NUMBER
PLAN VIEW		EV-2					4 OF 6
SHORT CIRCUIT RATING	VOLTAGE	AMPERAGE	SYSTEM	BUS MATERIAL	ENCLOSURE	REV	
65kA. SYM. RMS	480Y/277V AC	2000A	3 ϕ , 4W	COPPER	TYPE-3R	0	



LEFT-SIDE VIEW
(END SECTION)



FRONT VIEW
(EXTERIOR DOORS SHOWN)



RIGHT-SIDE VIEW
(END SECTION)

SIGNAGE:

NP1 -LINCOLN NAMEPLATE (2.5" x 8" ALUMINUM)
S1 -DANGER 480 VOLTS (BI-LINGUAL)
S2 -DANGER ARC FLASH (BI-LINGUAL)

REFERENCES:

- FOR NAMEPLATE DESIGNATIONS SEE 'SWITCHBOARD SCHEDULE' SHT-03
- FOR SECTION VIEW 'X-X' SEE SHT-04



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DRAWING TITLE		EQUIPMENT DESIGNATION					SHEET NUMBER
EXTERIOR VIEWS		EV-2					5 OF 6
SHORT CIRCUIT RATING	VOLTAGE	AMPERAGE	SYSTEM	BUS MATERIAL	ENCLOSURE	REV	
65kA. SYM. RMS	480Y/277V AC	2000A	3 ϕ , 4W	COPPER	TYPE-3R	0	