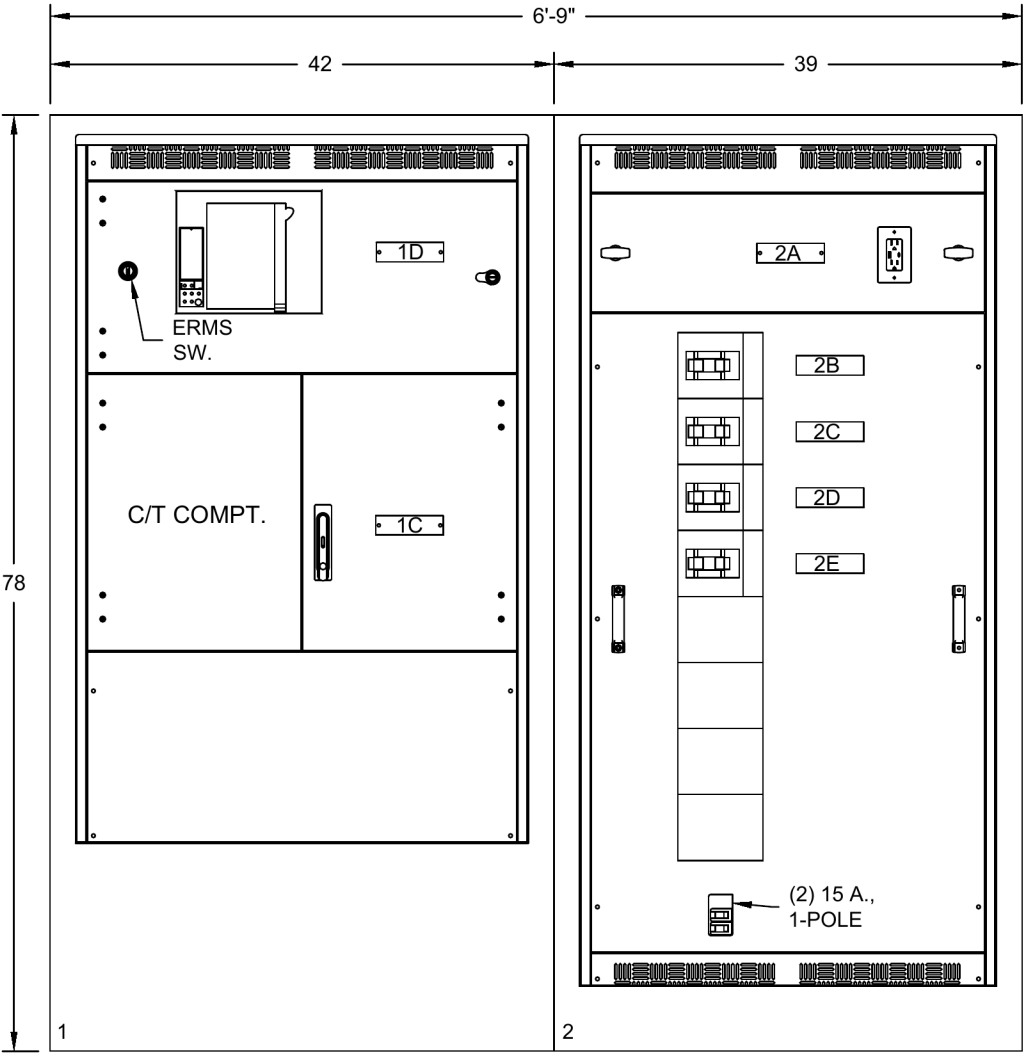




FRONT VIEW
(SHOWN WITHOUT DOORS)

PRODUCT DESCRIPTION & RATINGS:

PRODUCT TYPE

- EV-2 (SERVICE SWITCHBOARD)
- LEVEL-3 CHARGING

UTILITY INFORMATION

- XCEL ENERGY
- METER BEFORE DISCONNECT (HOT SEQUENCE)

POWER SYSTEM DATA

- INCOMING - SECTION 1, 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 & DOORS
- ENCLOSURE SHALL CONFORM TO INGRESS PROTECTION REQUIREMENTS IN ACCORDANCE WITH TYPE-3R RATING.
- EXTERIOR HARDWARE TO BE TAMPER-RESISTANT S.S. SCREWS.
- DOOR HANDLES ARE EQUIPPED WITH PADLOCK HASP.
- FINISH SHALL BE: ☒ WHITE (STANDARD) ☐ GRAY ☐ GREEN
- FRONT ACCESSIBLE ONLY

CODE STANDARDS

- UL891
- SUITABLE FOR USE AS SERVICE EQUIPMENT.

NAMEPLATES

- LAMICOID TYPE, WHITE w/BLACK LETTERS.

ACCESSORIES

- ENCLOSURE HEATERS W/ HYGROSTAT CONTROL
- A DOUBLE PADLOCK HASP ON EXTERIOR DOOR [SECTION-1], FOR JOINT CUSTOMER & UTILITY ACCESS TO MAIN SERVICE DISCONNECT.

REFERENCES:

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

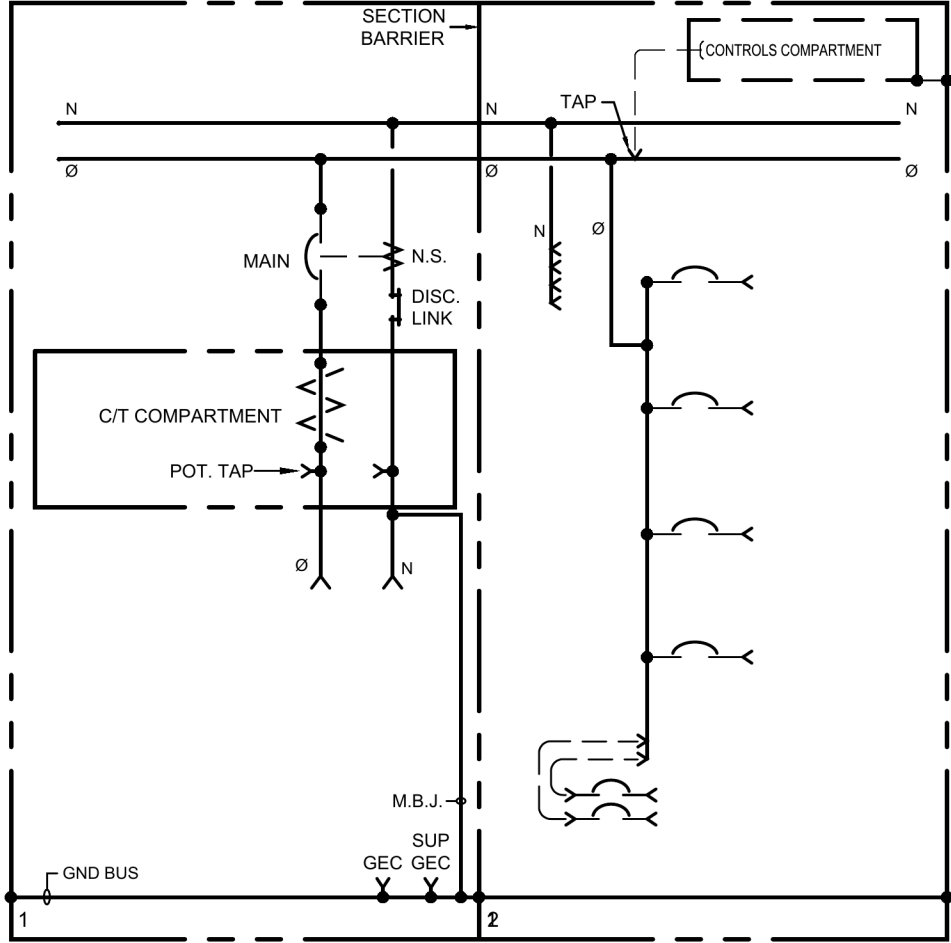


LINCOLN ELECTRIC
PRODUCTS CO., INC.

Inventory serial:
27215

DRAWING TITLE		EQUIPMENT DESIGNATION				
FRONT VIEW		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	1

SHEET NUMBER
1 OF 6



----- FACTORY WIRED

REFERENCES:
- FOR CONTROLS COMPARTMENT & SUB-PANEL DETAILS SEE SHT-06

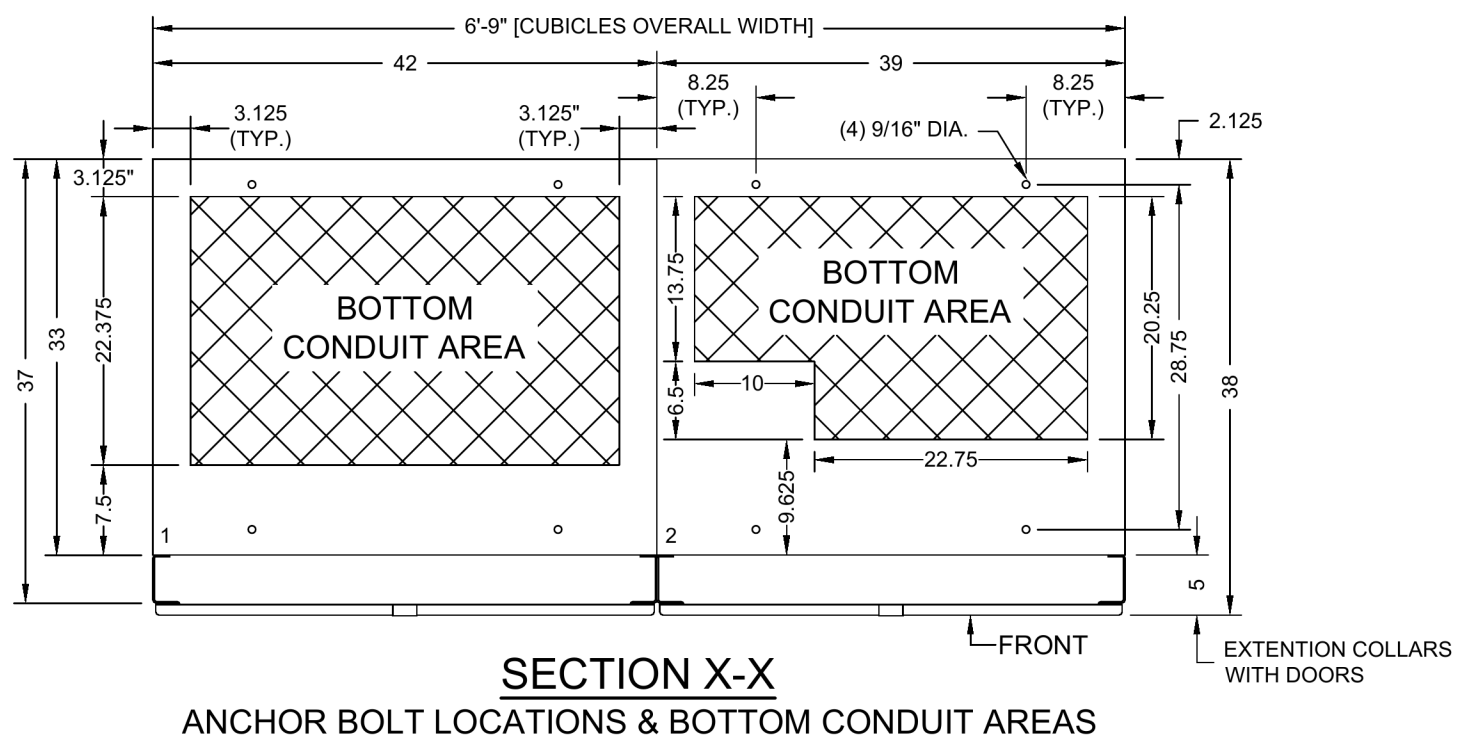
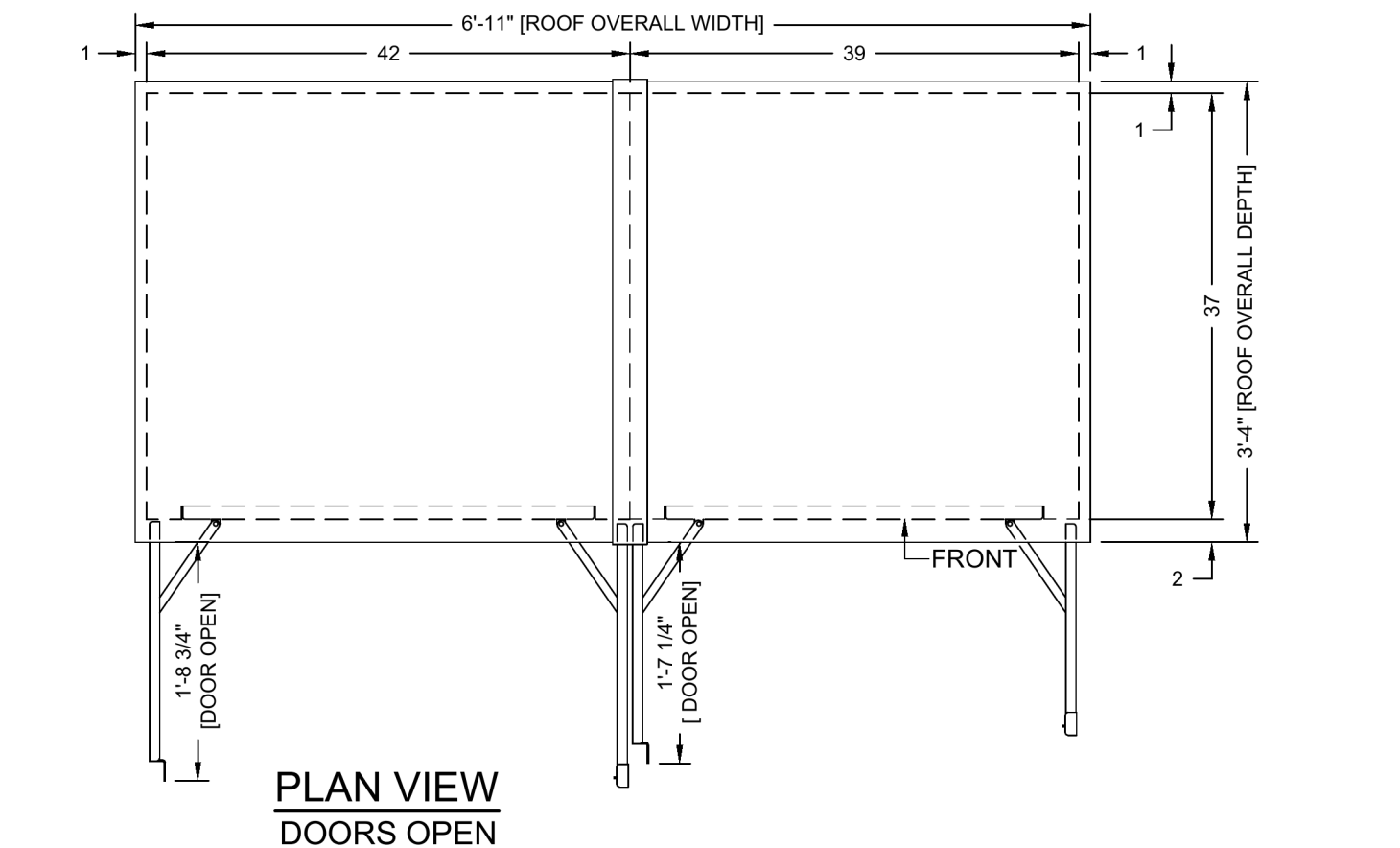


LINCOLN ELECTRIC
PRODUCTS CO., INC.

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	1

SHEET NUMBER
2 OF 6

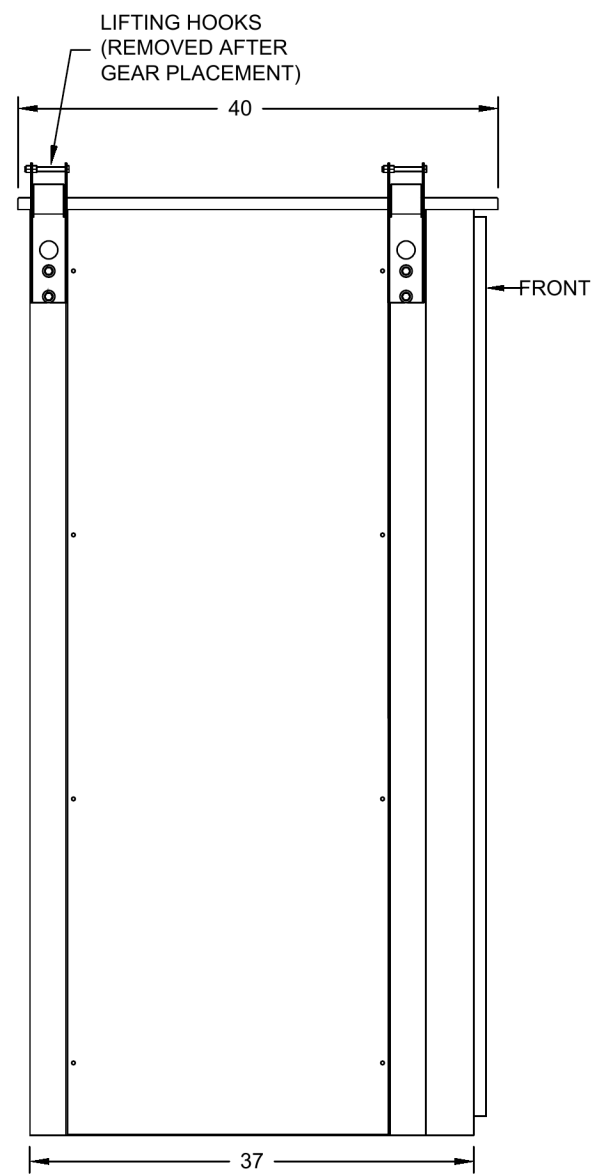
SWITCHBOARD SCHEDULE															
CUB. LOCN.	DESIGNATION	DEVICE MANUFACTURER	FRAME RATING	TRIP RATING/ TYPE	# OF POLES	DEVICE CAT. NO.	LUG INFORMATION						CONDUCTOR MATERIAL	CABLE ENTRY	NOTES
							QTY	PHASES	QTY	NEUTRAL	QTY	GROUND			
1	G.E.C.	-	-	-	-	-	-	-	-	-	2	(1) #6-350 KCMIL	COPPER	BOTTOM	-
1	INCOMING	-	-	-	-	-	6	(1) #2-600 KCMIL	6	(1) #2-600 KCMIL	-	-	COPPER	BOTTOM	-
1A	SERVICE SWITCHBOARD 2000A., 3Ø, 4W., 480Y/277V	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1B	MAIN SERVICE DISCONNECT UTILITY METERING COMPARTMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1C	2000A. XCEL ENERGY C/T COMPT.	-	-	-	-	LEPCO-HXC-HS	BUS CONNECTED				-	-	-	-	- C/T'S SUPPLIED & WIRED BY UTILITY
1D	MAIN SERVICE DISCONNECT	SCHNEIDER	2000/3 'MTZ'	1200A LSIG	3	EBGKGABABNNNNNNNNNNNN NNNWNNNENNNNCNNNNNN	BUS CONNECTED				-	-	-	-	- 100% RATED - INTEGRAL GROUND FAULT PROTECTION - ERMS (ENERGY REDUCTION MODE SWITCH) - PADLOCK HASP - NEUTRAL SENSOR (CAT. #: LV834035SP)
2A	CONTROLS COMPARTMENT	FACTORY WIRED													-
2B	CHARGING CABINET	SCHNEIDER	600/3	300A	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	COPPER	BOTTOM	- PADLOCK HASP - MECHANICAL LUGS
2C	CHARGING CABINET	SCHNEIDER	600/3	300A	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	COPPER	BOTTOM	
2D	CHARGING CABINET	SCHNEIDER	600/3	300A	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	COPPER	BOTTOM	
2E	CHARGING CABINET	SCHNEIDER	600/3	300A	3	LJP36600U31XYP	1	(2) #2/0-500 KCMIL	2	(1) #2-600 KCMIL	2	(1) #6-350 KCMIL	COPPER	BOTTOM	
2	SPARE	SCHNEIDER	15/1	15A	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	1	BJL16015	1	#14 - 3/0 AWG	1	#14 - 1/0 AWG	1	#14 - 1/0 AWG	COPPER	BOTTOM	-



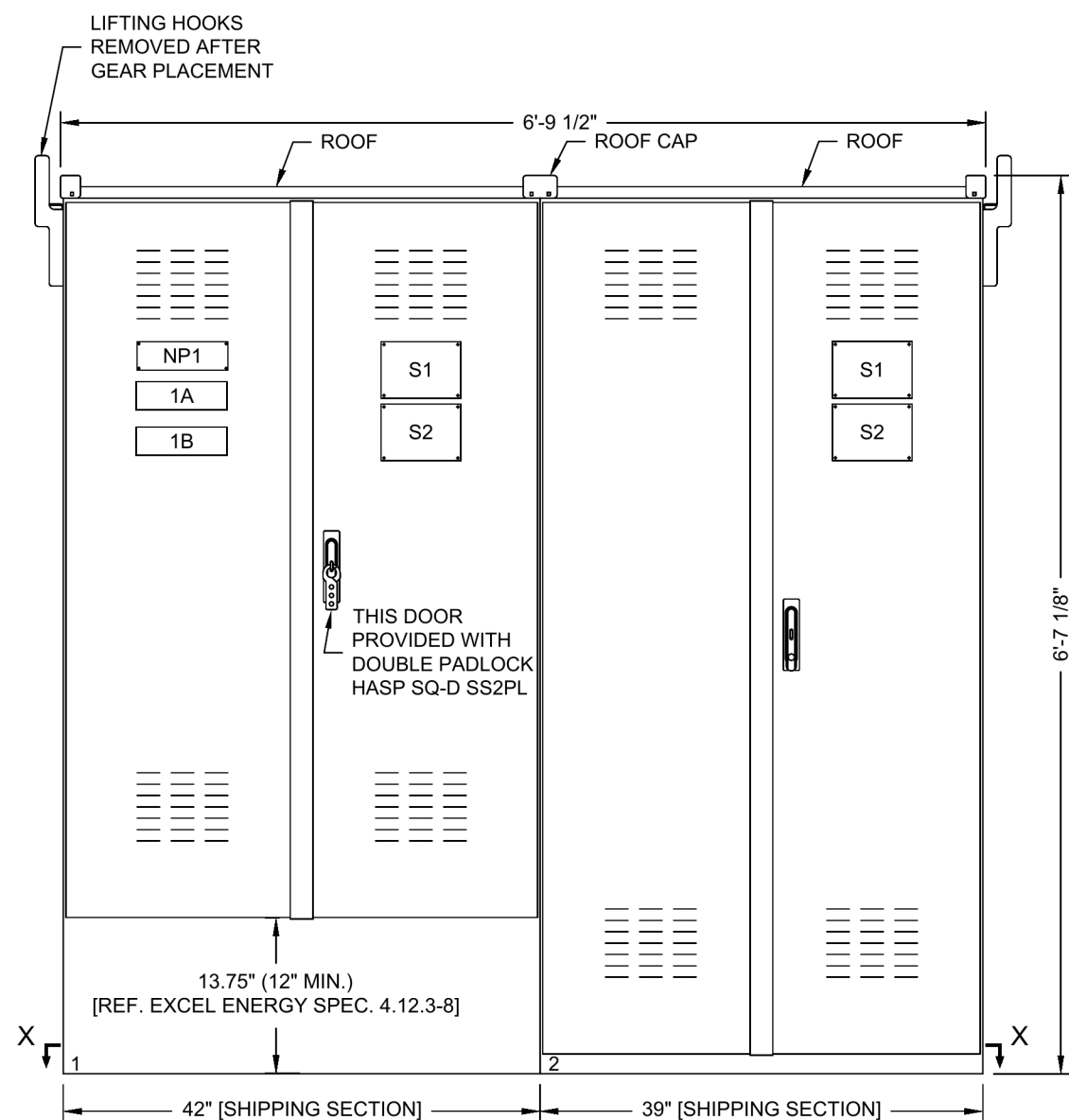
LINCOLN ELECTRIC
PRODUCTS CO., INC.

DRAWING TITLE		EQUIPMENT DESIGNATION				
PLAN VIEW		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	1

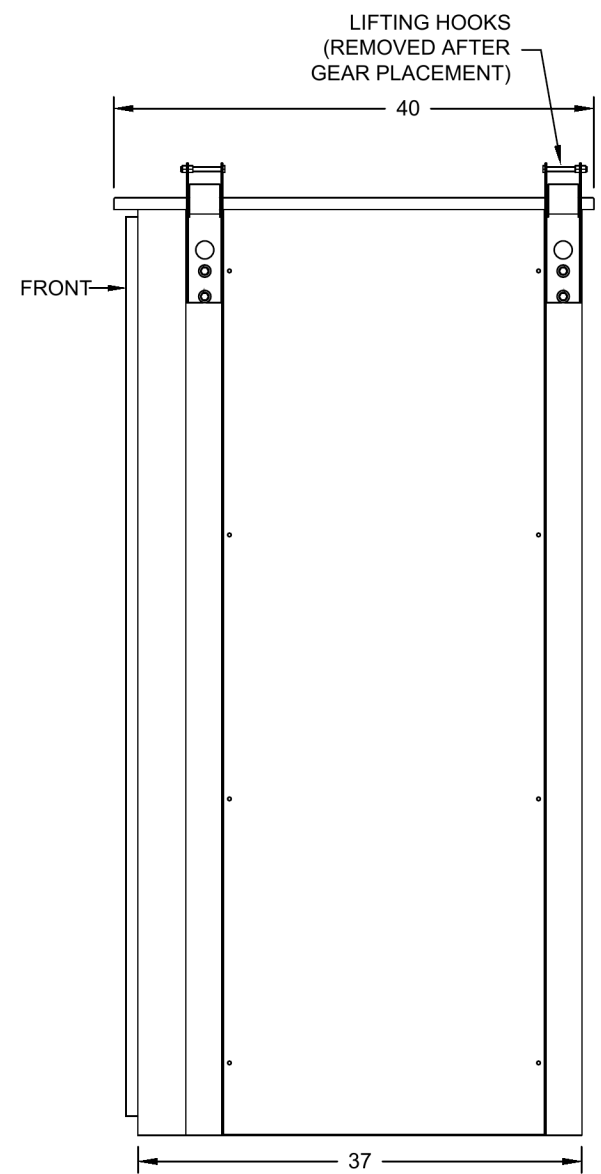
SHEET NUMBER
4 OF 6



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)

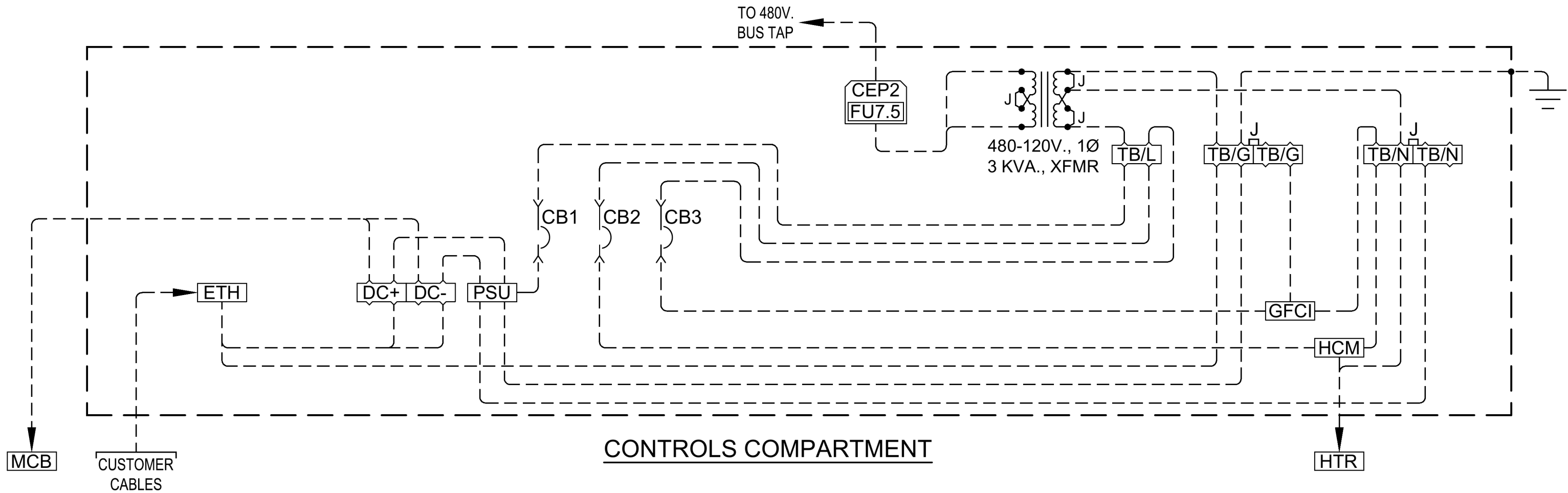
REFERENCES:

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



LINCOLN ELECTRIC
PRODUCTS CO., INC.

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	3ϕ, 4W	COPPER	TYPE-3R	1		



THE ENCLOSED ASSEMBLY WILL BE LISTED UNDER UL891

LEGEND:

- CB1-2** -SCHNEIDER TYPE 'MULTI-9' MINIATURE CIRCUIT BREAKER:
8A. TRIP, 1-POLE, 10k A.I.C. @ 240VAC [CAT. #: M9F42108]
- CB3** -SCHNEIDER TYPE 'MULTI-9' MINIATURE CIRCUIT BREAKER:
15A. TRIP, 1-POLE, 10k A.I.C. @ 240VAC [CAT. #: M9F42115]
- CEP2** -COMPACT FUSED DISCONNECT SWITCH [MFR: MERSEN CAT. #CEP-2-30CC]
- DC-** -TERMINAL BLOCK: 24VDC (-)
- DC+** -TERMINAL BLOCK: 24VDC (+)
- FU7.5** -FUSE TYPE 'FNQ-R' [MFR: BUSSMANN CAT. #FNQ-R-7 1/2]
- ETH** -ETHERNET SWITCH

- GFCI** -15A., 120V., GROUND FAULT CIRCUIT INTERRUPTER, DUPLEX RECEPTACLE,
WITH USB-A & USB-C CHARGING PORTS.
- HCM** -HYGROSTAT [MFR: STEGO CAT. # EFR-012]
- HTR** -FINNED STRIP HEATER 250W @ 120V. [MFR: VULCAN CAT. #OSF1310-250A]
- MCB** -MAIN CIRCUIT BREAKER
- PSU** -24VDC POWER SUPPLY UNIT [MFR: MEANWELL 75W. DC [CAT. # SDR-75-24]
- TB/G** -TERMINAL BLOCK: GROUND
- TB/L** -TERMINAL BLOCK: LINE
- TB/N** -TERMINAL BLOCK: NEUTRAL



LINCOLN ELECTRIC
PRODUCTS CO., INC.

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

SHEET NUMBER
6 OF 6