

METER NAMEPLATE SCHEDULE						
ITEM	EQUIPMENT	1ST LINE	2ND LINE	3RD LINE	4TH LINE (COMM RM. NO.)	LETTERING HEIGHT
1	METER	< METER NUMBER >	< LOAD METERED >	< LOAD DESCRIPTION >	< ER.1234.5 >	3/8"
2	METER	< METER NUMBER >	< LOAD METERED >	< LOAD DESCRIPTION >	< ER.1234.5 >	3/8"
3	METER	< METER NUMBER >	< LOAD METERED >	< LOAD DESCRIPTION >	< ER.1234.5 >	3/8"
4	METER	< METER NUMBER >	< LOAD METERED >	< LOAD DESCRIPTION >	< ER.1234.5 >	3/8"
5	METER	< METER NUMBER >	< LOAD METERED >	< LOAD DESCRIPTION >	< ER.1234.5 >	3/8"
6	METER	< METER NUMBER >	< LOAD METERED >	< LOAD DESCRIPTION >	< ER.1234.5 >	3/8"
7	METER ENCLOSURE	METER CABINET	< CABINET NUMBER >	FED FROM	< PANEL NUMBER >	3/8"

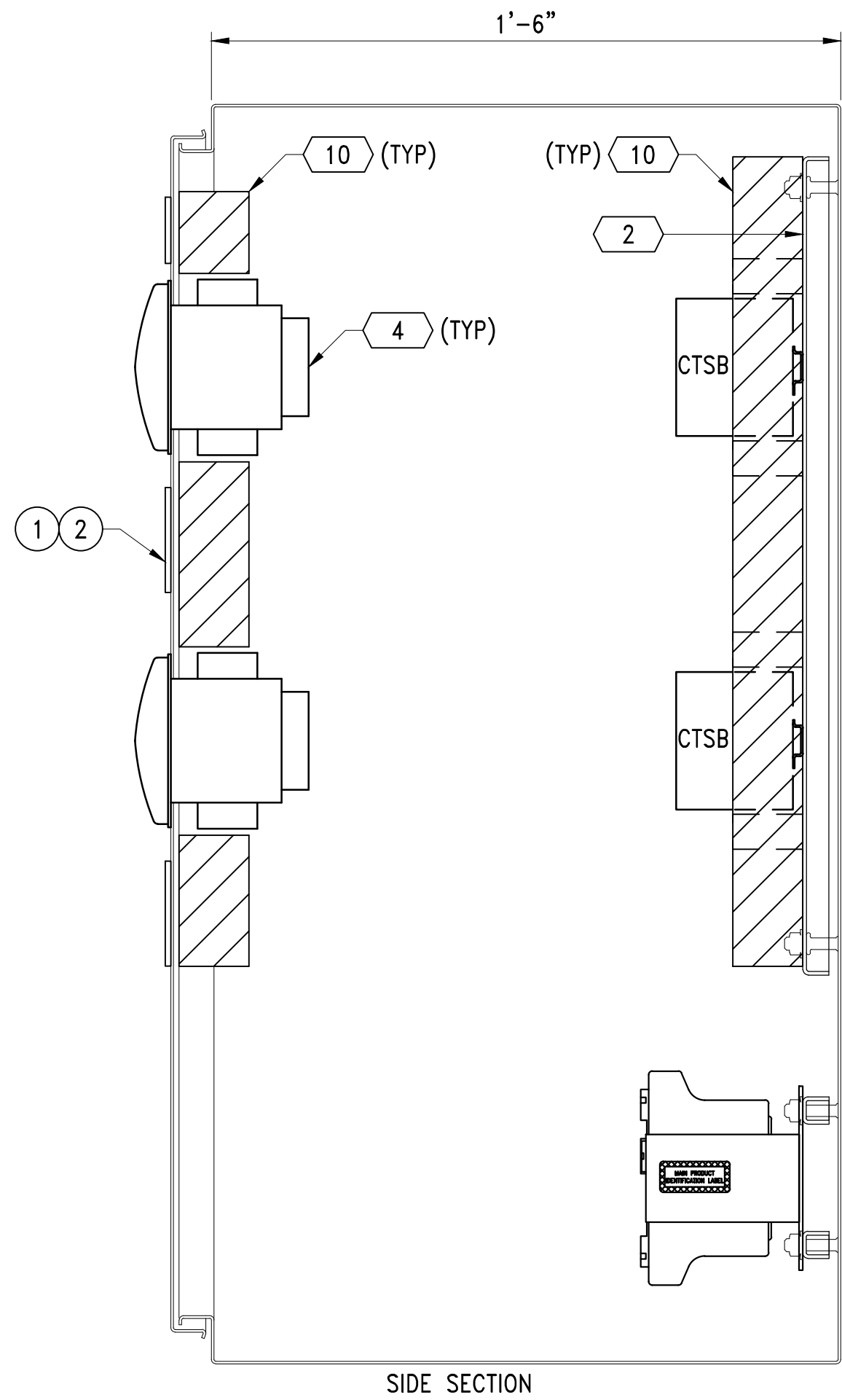
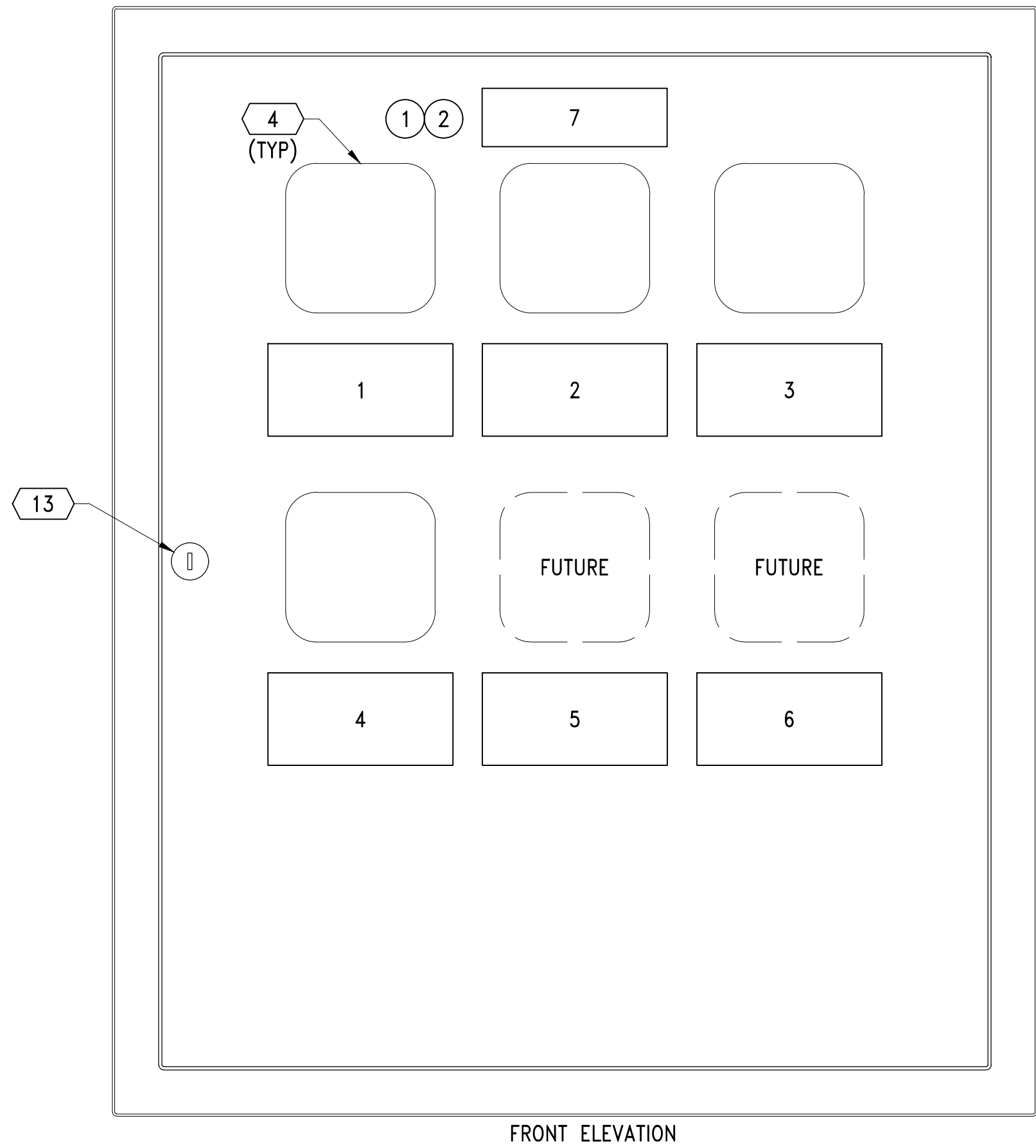
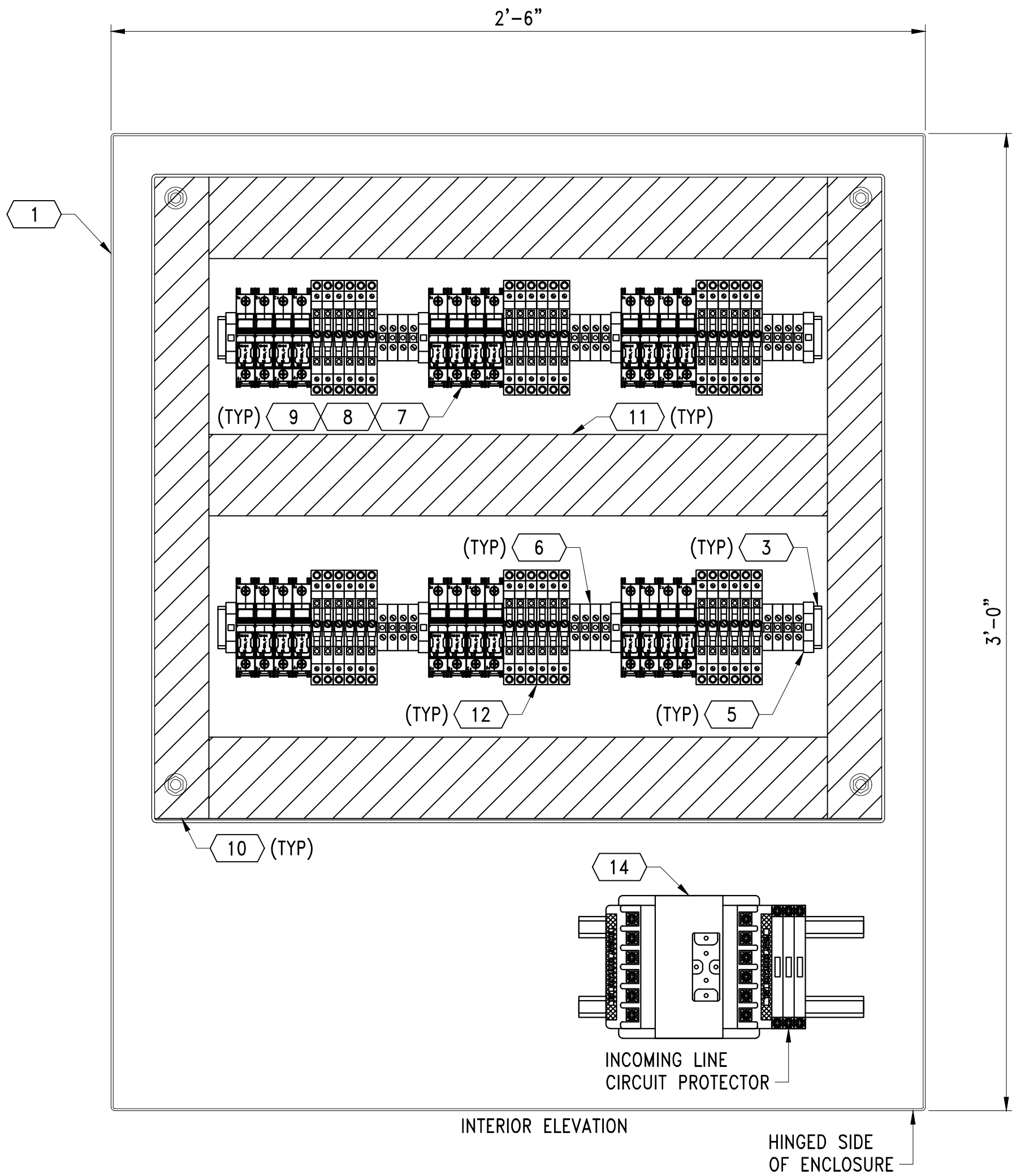
BILL OF MATERIALS (METERING ENCLOSURE)				
ITEM	DESCRIPTION	QTY	MANUFACTURER	PART NO.
1	UL LISTED NEMA 12 SINGLE DOOR ENCLOSURE 30"H x 30"W x 18"D	1	HOFFMAN, MIDWEST OR APPROVED EQUAL	A30H3118FS
2	BACKPANEL (INTERIOR)	1	HOFFMAN, MIDWEST OR APPROVED EQUAL	AP30
3	TYPE 3 DIN RAIL	VARIES	COOPER OR APPROVED EQUAL	
4	POWER METER	VARIES	EATON	PXM 3000 MA15
5	END BRACKET	VARIES	MARATHON SPECIAL PRODUCTS OR APPROVED EQUAL	
6	TERMINAL BLOCK	VARIES	MARATHON SPECIAL PRODUCTS OR APPROVED EQUAL	603GP03
7	FUSED DISCONNECT SWITCH	VARIES	MARATHON SPECIAL PRODUCTS OR APPROVED EQUAL	FDS-30-C-1, FDS-30-C-3
8	FAST ACTING FUSES, 0.1A	VARIES	LITTELFUSE, BUSSMAN OR APPROVED EQUAL	OKLK.100
9	TIME DELAY FUSES, 3A	VARIES	LITTELFUSE, BUSSMAN OR APPROVED EQUAL	FLQ003
10	WIRING DUCT, LIGHT GRAY W/COVER, 1.75"W x 3"H	VARIES	PANDUIT, THOMAS & BETTS OR APPROVED EQUAL	
11	WIRING DUCT, LIGHT GRAY W/COVER, 2.75"W x 3"H	VARIES	PANDUIT, THOMAS & BETTS OR APPROVED EQUAL	
12	CT SHORTING BLOCKS (CTSB)	VARIES	MARATHON SPECIAL PRODUCTS OR APPROVED EQUAL	1506SC
13	LOCK FOR METER ENCLOSURE	1	COORDINATE WITH PORT ELECTRIC SHOP	
14	CONTROL POWER TRANSFORMER	1	EATON, SCHNEIDER, OR APPROVED EQUAL	

GENERAL NOTES:

- METERING ENCLOSURE DESCRIPTION:  
UL LISTED NEMA 12 ENCLOSURE WITH POWER METERS, NETWORK SWITCH AND GATEWAY, PRE-WIRED WITH POWER SUPPLY, TERMINAL BLOCKS AND CT SHORTING BLOCKS. METER DISPLAY MOUNTS ON PANEL DOOR.
- METERING ENCLOSURE FABRICATOR SHALL COORDINATE INSTALLATION OF EQUIPMENT WITH MANUFACTURER OF POWER METERS PRIOR TO CONSTRUCTION.
- METERING ENCLOSURE FABRICATOR SHALL PROVIDE INSTALLATION OF ALL DEVICES INDICATED REQUIRING ONLY THE CUSTOMER'S EXTERNAL CONNECTIONS TO PRODUCE A FULLY OPERATIONAL METERING ENCLOSURE. PROVIDE ALL INTERNAL WIRING INCLUDING CONNECTIONS FROM CT SHORTING BLOCKS TO METERS MOUNTED ON FRONT OF ENCLOSURE.
- FABRICATOR FURNISHED ITEMS ARE LISTED BUT ARE NOT NECESSARILY LIMITED TO THE BILL OF MATERIALS.
- POWER WIRING SHALL BE MINIMUM 12 AWG, CU, 600V, 41/30 STRANDED MTW WIRE. 24V WIRING SHALL BE 16 AWG, MTW WIRE, CU, 600V, STRANDED.
- ALL WIRING SHALL BE NEATLY TIE WRAPPED IN TRUNKS AND SECURED TO PANEL.
- OPTIMUM LOCATIONS OF TERMINAL STRIPS ARE LEFT TO THE DISCRETION OF THE FABRICATOR. LABEL AND NUMBER TERMINALS PER SCHEMATIC.
- MAINTAIN MIN CONDUCTOR BENDING RADIUS PER NEC. CUSTOMER CONDUIT ENTRIES ARE ANTICIPATED AT THE TOP OF THE ENCLOSURE.
- REFER TO SPECIFICATION SECTION 260553 FOR NAMEPLATE LABELING REQUIREMENTS INCLUDING COLOR, MATERIAL AND THICKNESS.
- NAMEPLATES SHALL HAVE SLIGHTLY CHAMFERED EDGES AND SHALL BE FASTENED TO PANEL USING S.S. SCREWS.
- COMPLETED ENCLOSURE SHALL MEET UL508A REQUIREMENTS AND SHALL BE LABELED ACCORDINGLY.
- PLACE WARNING PLACARD ON FRONT OF METER ENCLOSURE, PER SECTION 260553.
- ROUTE 480V CONDUCTORS AND CAT 6A CABLES IN SEPARATE WIRING DUCTS.
- SEE THIS SHEET FOR BILL OF MATERIALS.
- CONTACT ELECTRICAL SHOP TO COORDINATE INSTALLATION AND CONNECTION OF METERING CABINET. ELECTRICAL SHOP MAY BE REACHED AT PHONE NUMBER 206-787-5311. ELECTRICAL SHOP FOREMAN: SLAVI KOSYUK (C) 206-437-6187, STEVE LEWIS (C) 206-595-9639, KRISTEL MANNEY (O) 206-305-6861.

KEYED NOTES

- REFER TO METER NAMEPLATE SCHEDULE ON SHEET EXXX FOR NAMEPLATE ID NAME AND NUMBER.
- REFER TO DRAWING EXXX FOR TYPICAL NAMEPLATE DETAILS.



NOTE TO DESIGNER:  
COORDINATE WITH F&I FOR CAPACITY  
REQUIREMENTS OF METERING CABINET.

DETAIL

METERING ENCLOSURE  
SCALE: 1/4" = 1'-0"

1  
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REVISIONS

NO.	DATE	BY	DESCRIPTION	APP'D	NO.	DATE	BY	DESCRIPTION	APP'D
1	03/01/2019	KDM	2019 F&I STANDARD DETAILS						
2	03/01/2020	KDM	2020 F&I STANDARD DETAILS						
3	03/01/2023	KDM	2023 F&I STANDARD DETAILS						

PROJECT MANAGER:
PROJECT ENGINEER:
DESIGN ENGINEER:
DRAFTER:
SCALE:
DATE:
CHECKED/APPROVED BY:

Port of Seattle	SEA-TAC INTERNATIONAL AIRPORT
PROJECT:	F&I STANDARD DETAILS
SHEET TITLE:	METER ENCLOSURE ELEVATIONS AND DETAILS TYPICAL OF CABINET WITH CAPACITY FOR 4 - 6 METERS

WORK PROJECT NO.
CONSULTANT'S NO.
PORT OF SEATTLE NO.
262713-02

\*CONSULTANT'S LOGO