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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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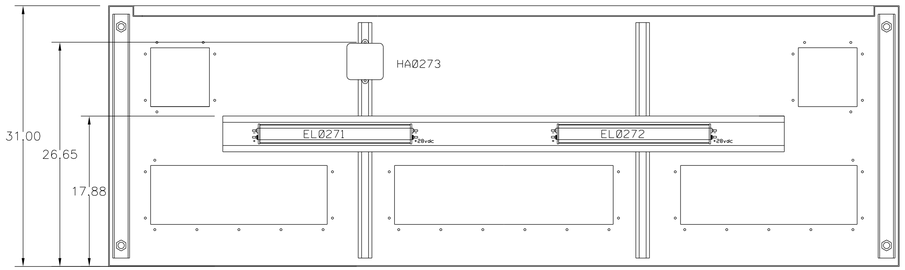
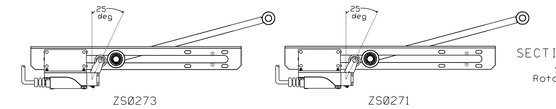
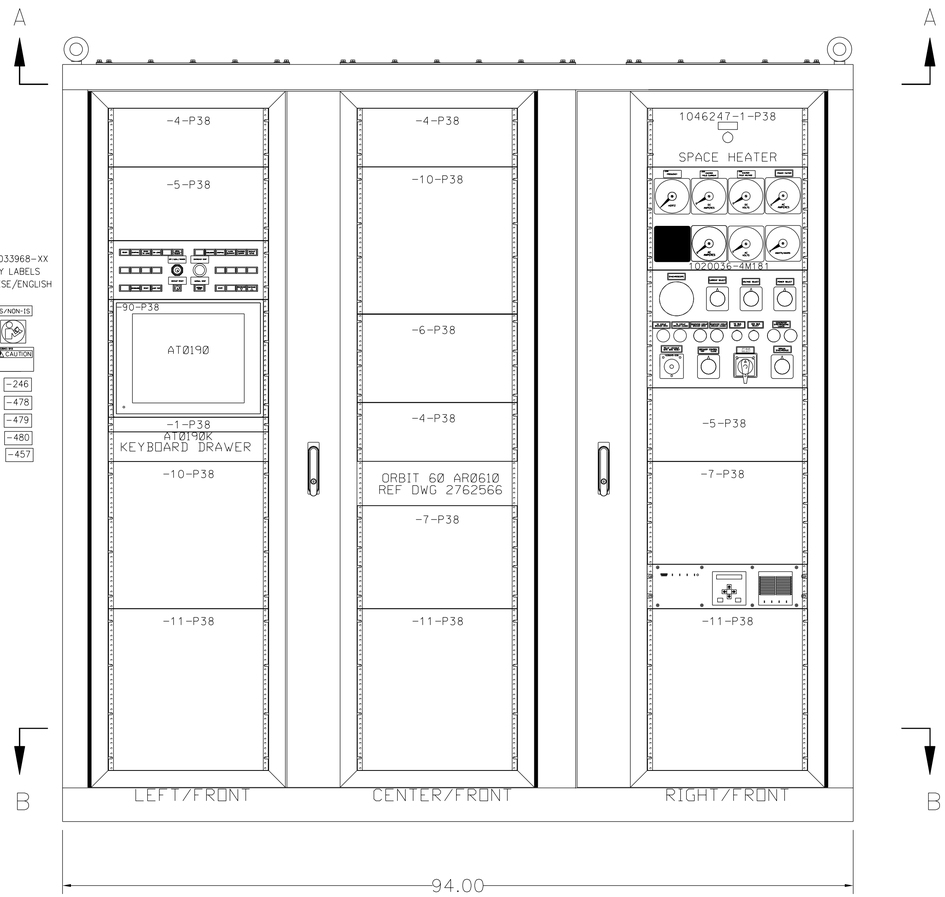
B.5		03/25/26	S. LOZA



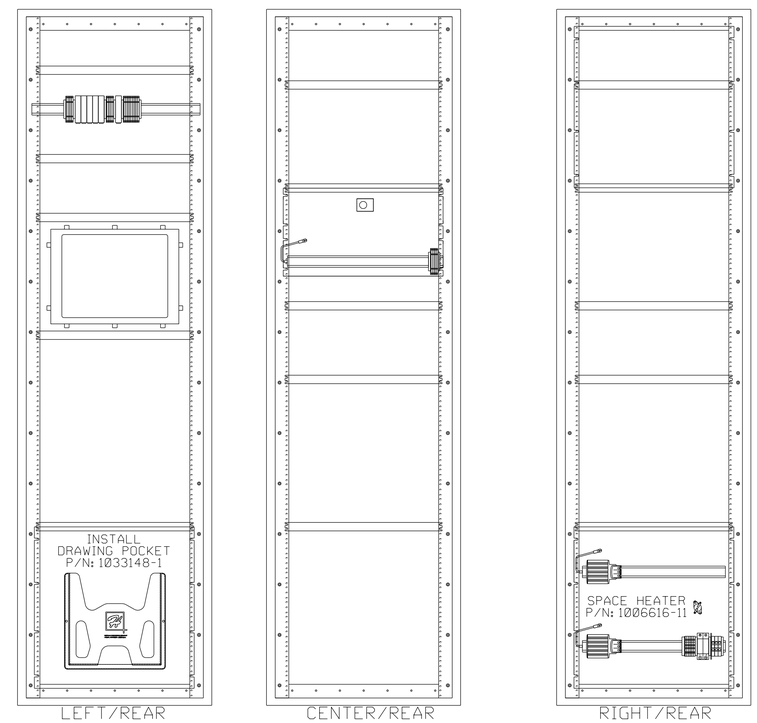
SECTION A–A

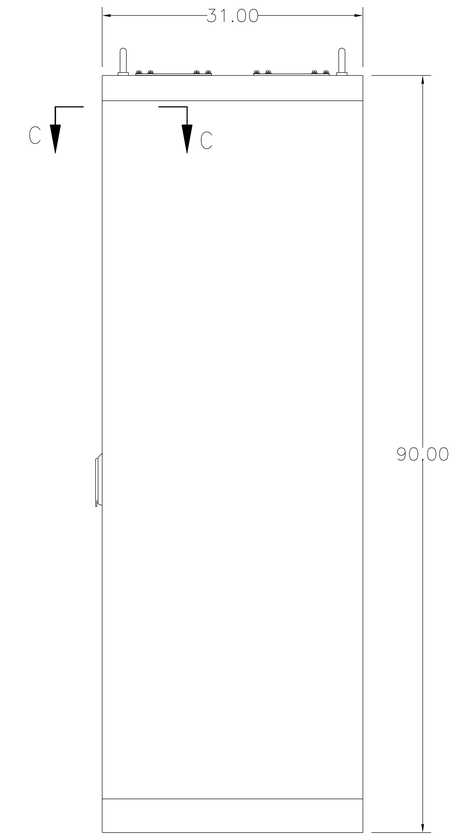


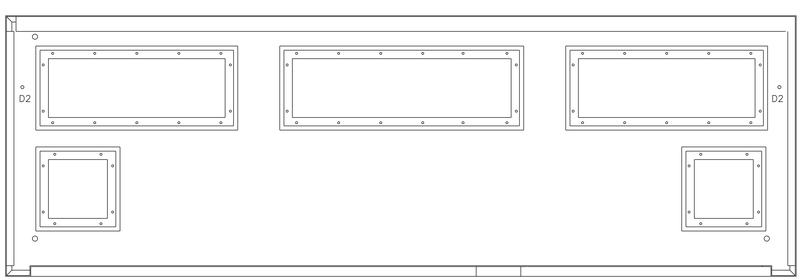
SECTION C–C
Scale 2X
Rotated 90 deg.



REAR DOOR PANEL VIEW

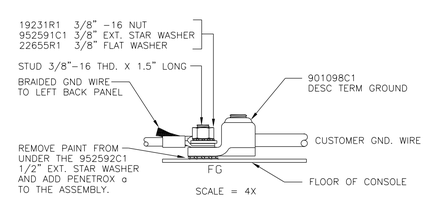






SECTION B–B

CONSOLE: 1011920-305-P38



TYPICAL GROUND
STUD ASSEMBLY

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE DOOR	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT
PANEL NO. 1813142
MODEL: CTLM02 TURBOTRONICS 4
DWG NO. 4M181-149448
SHT REV B.5
LOC: T:\PROJECT\LAYOUT\REV\
DWG REV B.5
SHEET 1 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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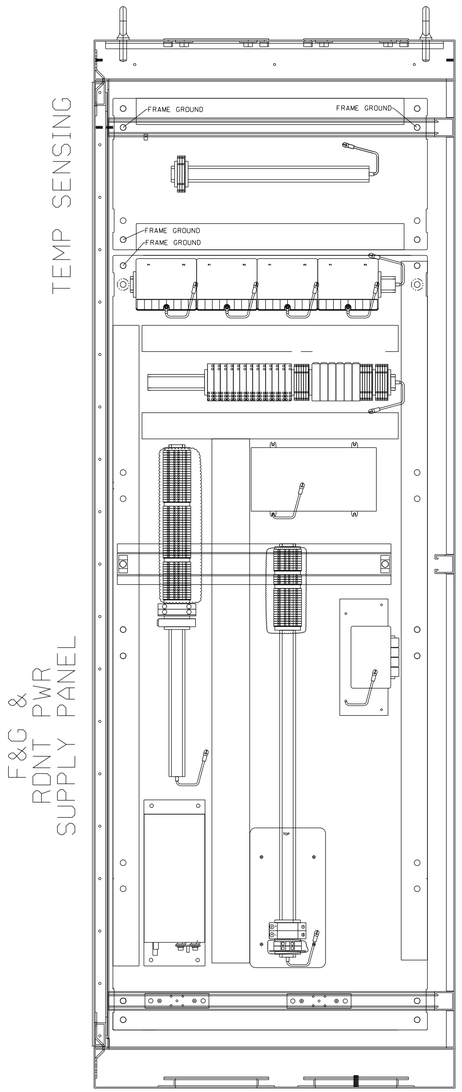
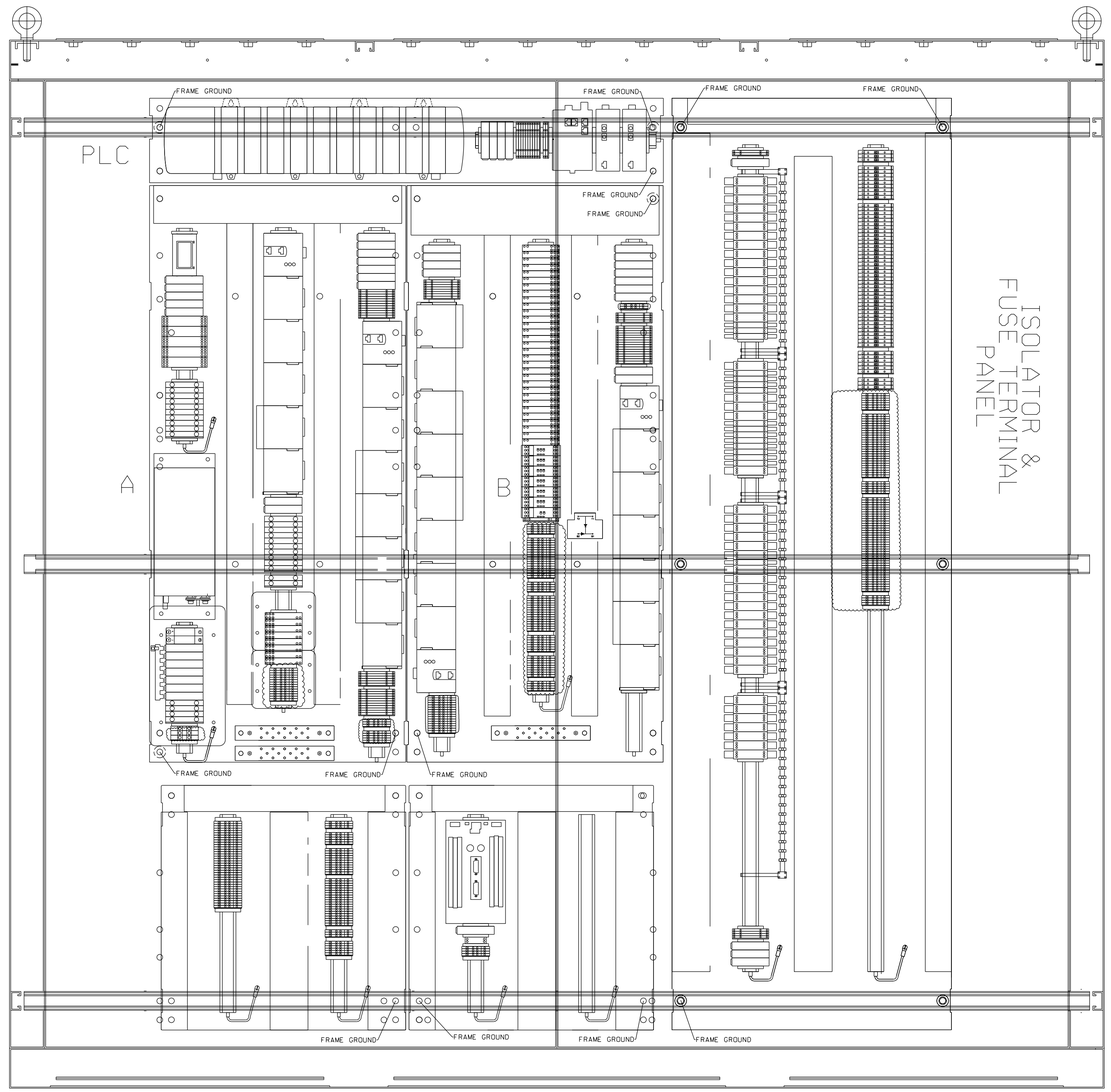
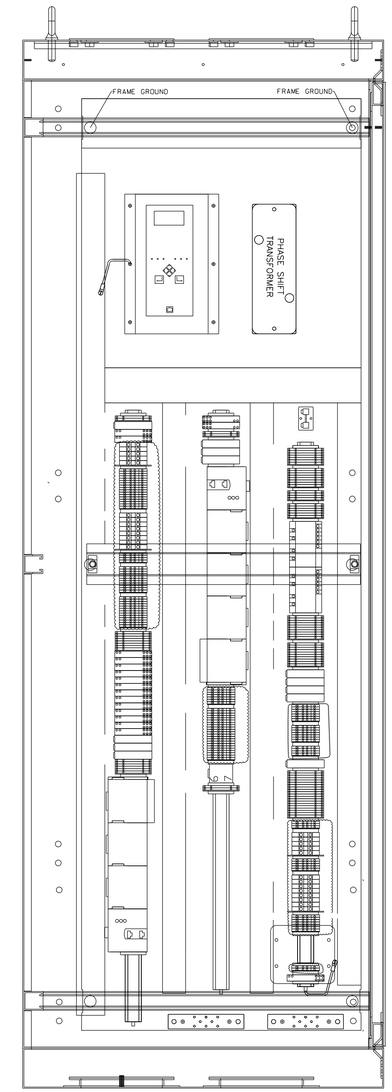
B.5		03/11/26	S. LOZA







NOTES:

AFTER FINAL INSPECTION & PRIOR TO CRATING FOR SHIPPING, PLEASE SWAP ENTIRE BOTTOM SET OF GLAND PLATES (5 TOTAL) WITH STAINLESS STEEL GLAND PLATES AS INDICATED:

1012119-25 (2 (EA)
1012119-26 (2 EA)
1012119-27 (1 EA)

SCRAP UN-USED GLAND PLATES

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER	DATE	DRAWING TITLE	
		S. LOZA	01/07/2025	CONTROL CONSOLE PANELS	
		DESIGN ENGINEER	DATE		
		J. SHORTER	01/07/2025		

PROJECT NAME	PIC PROJECT PHASE 4 DEVELOPMENT	PANEL NO.	F1820896
MODEL	CTLM02 TURBOTRONICS 4	DWG NO.	4M181-149448
LOC	T:\PROJECT\LAYOUT\REV\	DWG REV B.5	SHT REV B.4
			SHEET 2 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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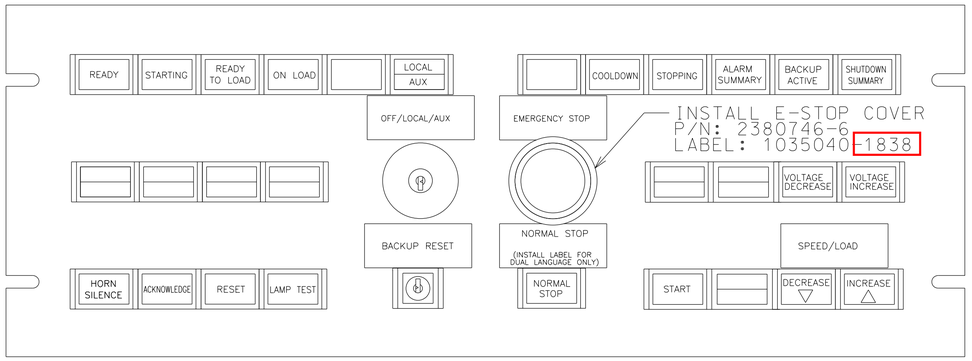
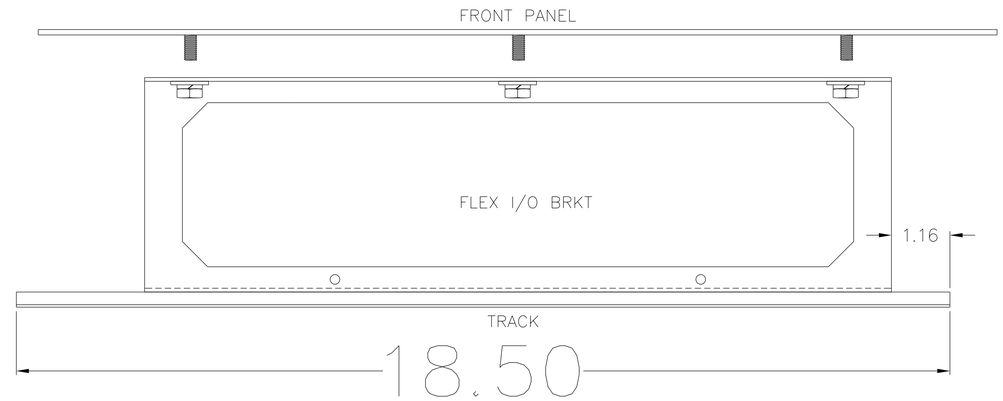
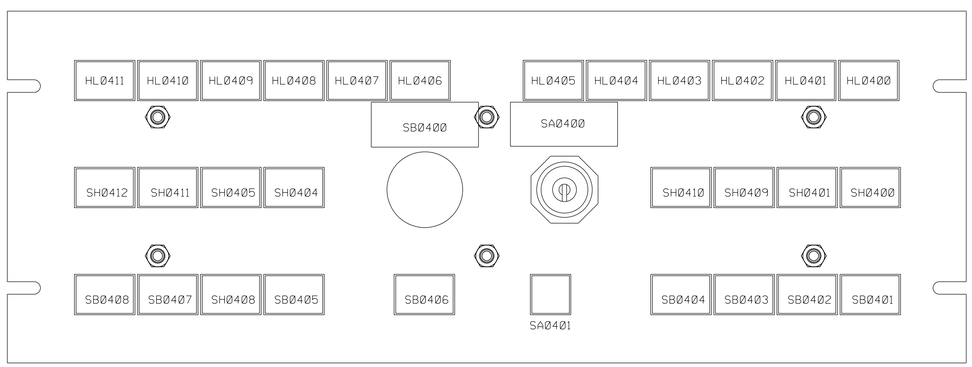
B.5_M.2		04/20/26	S. LOZA

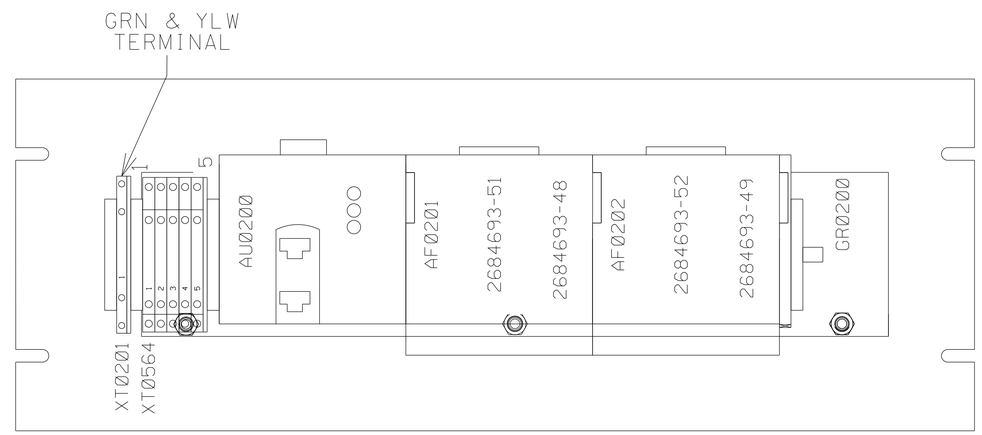


FRONT VIEW





BACK VIEW
WITH FLEX I/O REMOVED



TYP. FOR XT0564

BACK VIEW
WITH FLEX I/O INSTALLED

B.5_M.2
- Replaced emergency stop label to 1035040-1838
04-20-26

TCP P/N: 1507708-502-P38
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL 1	RELEASE STAMP PD- 4M181	SIZE D	CAGE NO. 66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER S. LOZA	DATE 01/07/2025	DRAWING TITLE CONTROL CONSOLE TCP	
		DESIGN ENGINEER J. SHORTER	DATE 01/07/2025		
PROJECT NAME PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2868175	
MODEL CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5_M.2
LOC T:\PROJECT\LAYOUT\REV\				DWG REV B.5_M.2	SHEET 3 OF 28

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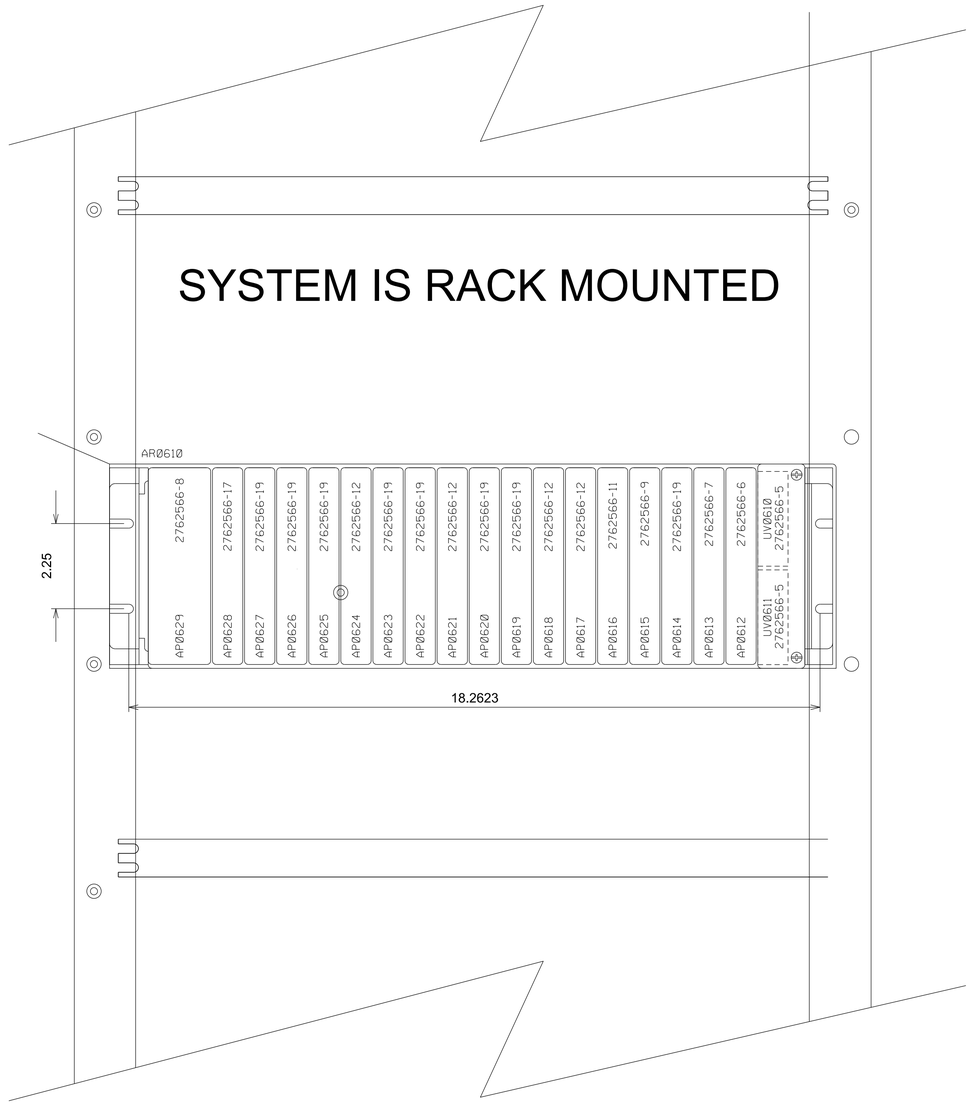
REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
		5/18/2019	N.PENALOZA
B.5		02/17/26	S. LOZA



CONSOLE DOOR INTERIOR

CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
2	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE ORBIT 60 RACK DOOR PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				DWG NO. 4M181-1055091	SHT REV B.1
MODEL: CTLM02 TURBOTRONICS 4					
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 4 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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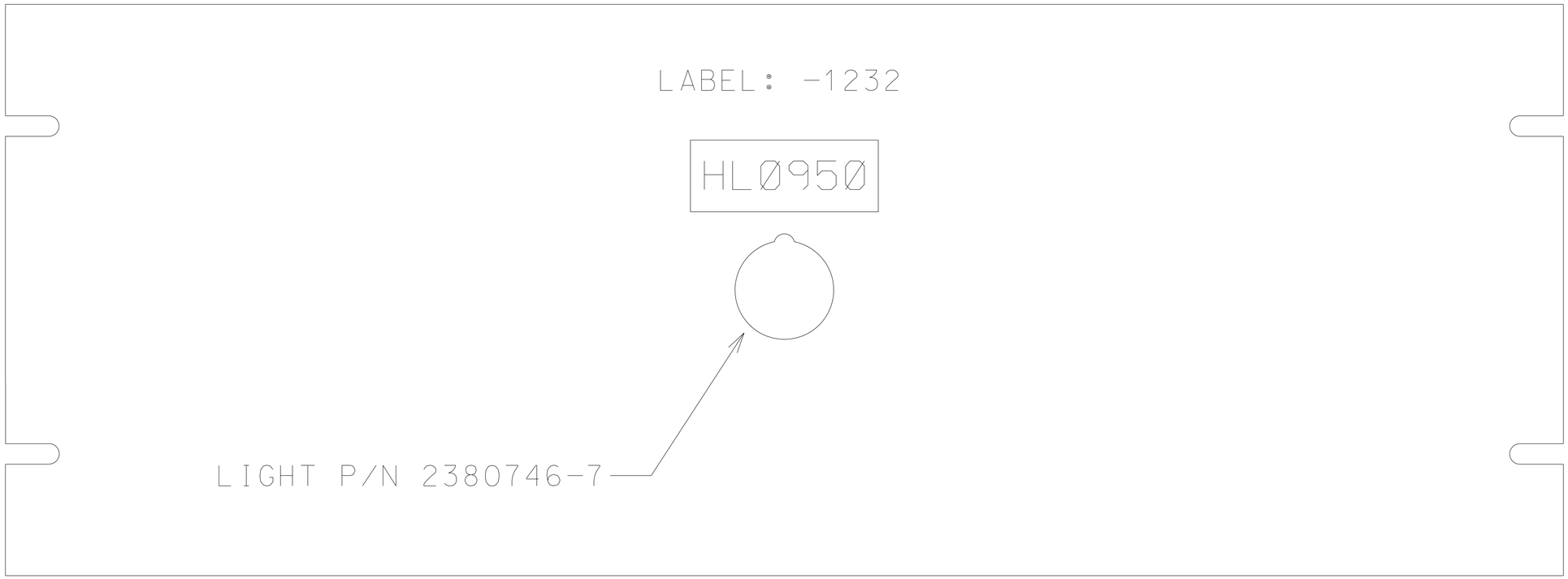
B.5		02/17/26	S. LOZA



FRONT VIEW

PANEL: 1046247-1-P38
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE HEATER DOOR LIGHT	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT					
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-1095886	SHT REV B.1
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 5 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
0	0	0	0
B.5		02/17/26	S. LOZA

REAR VIEW

FLEXI-GLASS COVER AND
4 PCS STANDOFF FOR METERS
P/N: 1058121-100 & -90

PANEL: 1020036-4M181
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL 1	RELEASE STAMP PD- 4M181	SIZE D	CAGE NO. 66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER S. LOZA	DATE 01/07/2025	DRAWING TITLE CONTROL CONSOLE METER PANEL	
		DESIGN ENGINEER J. SHORTER	DATE 01/07/2025		
PROJECT NAME PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 1813477	
MODEL CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.1
LOC T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 6 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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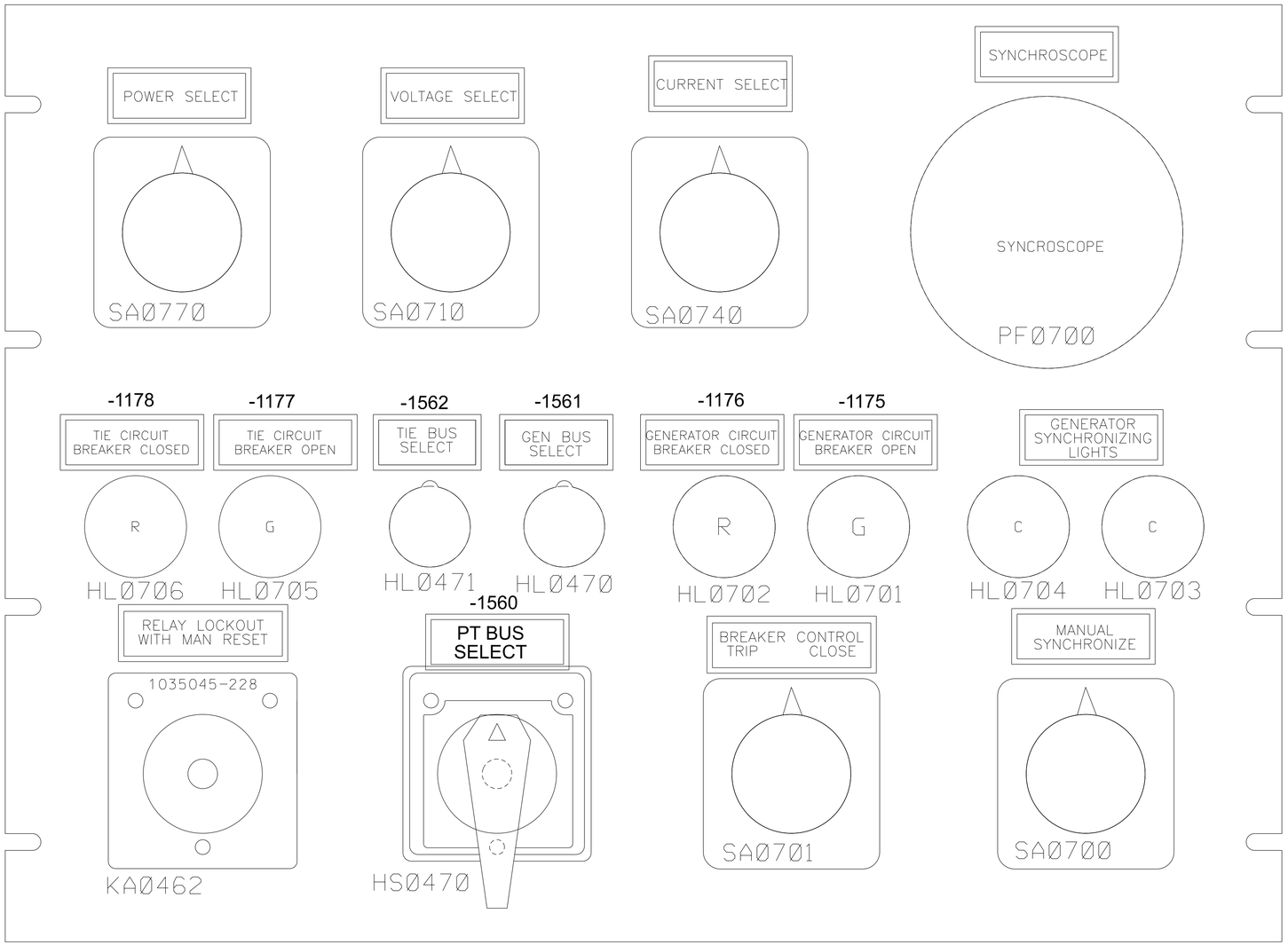
B.5_M.2		04/20/26	S. LOZA



FLEXI-GLASS COVER,
8 PCS STANDOFF FOR METERS
AND 4X STUDS
P/N: 1058121-110,
-140 & -130

REAR VIEW

PANEL: 1056616-4M181
CONSOLE: 1011920-305-P38

B.5_M.2
- Replaced 4x 1058121-90 standoffs with 8x 1058121-140 & 4x 1058121-130 studs
04-20-26

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE SWITCH PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 1815701	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5_M.2
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5_M.2	SHEET 7 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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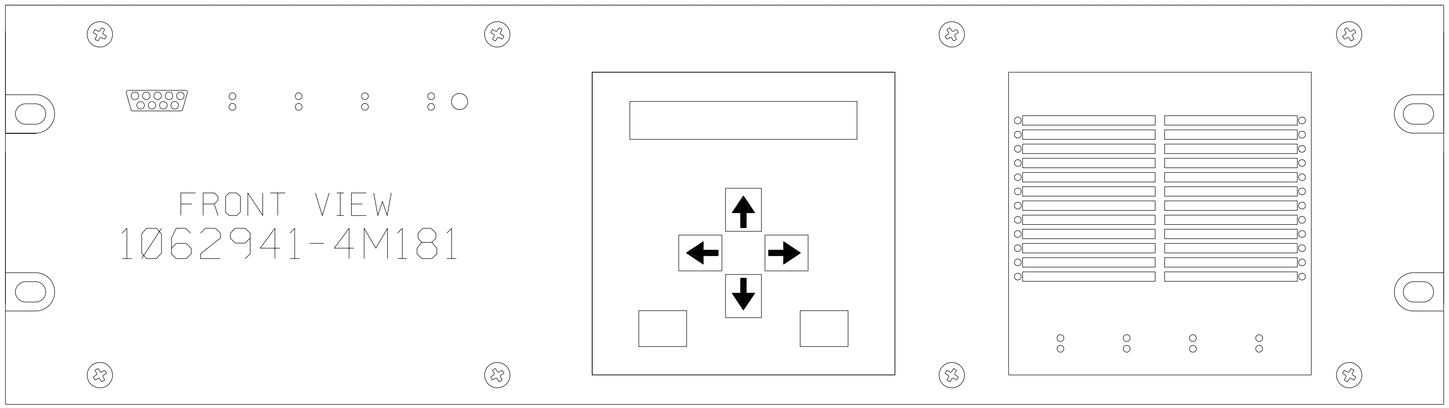
B.5		02/17/26	S. LOZA

KA0460



CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL: 1	RELEASE STAMP: PD- 4M181	SIZE: D	CAGE NO.: 66195	Solar Turbines, A Caterpillar Company	P.O. BOX 85376, San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE BECKWITH RELAY	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 1055091	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.1
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 8 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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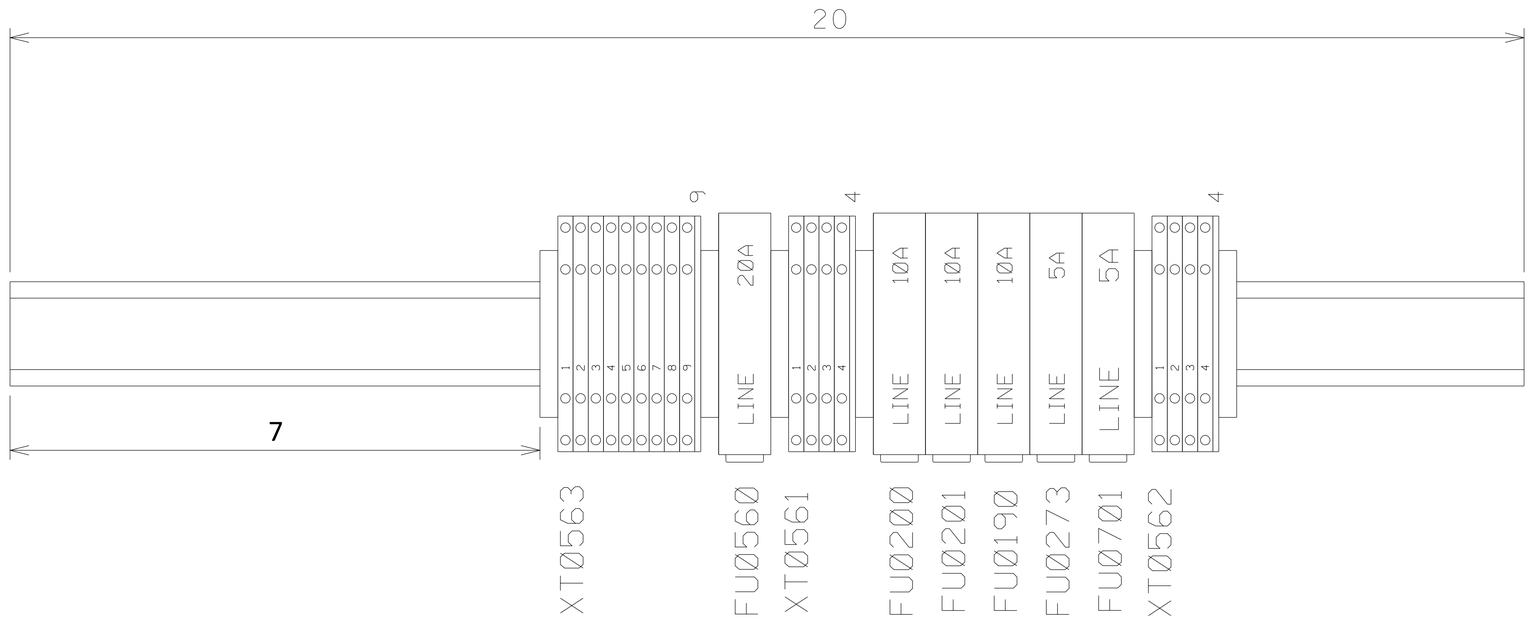
B.5		02/17/26	S. LOZA

MOUNTED ABOVE THE TCP



CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE TCP PWR	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2861515	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.1
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 9 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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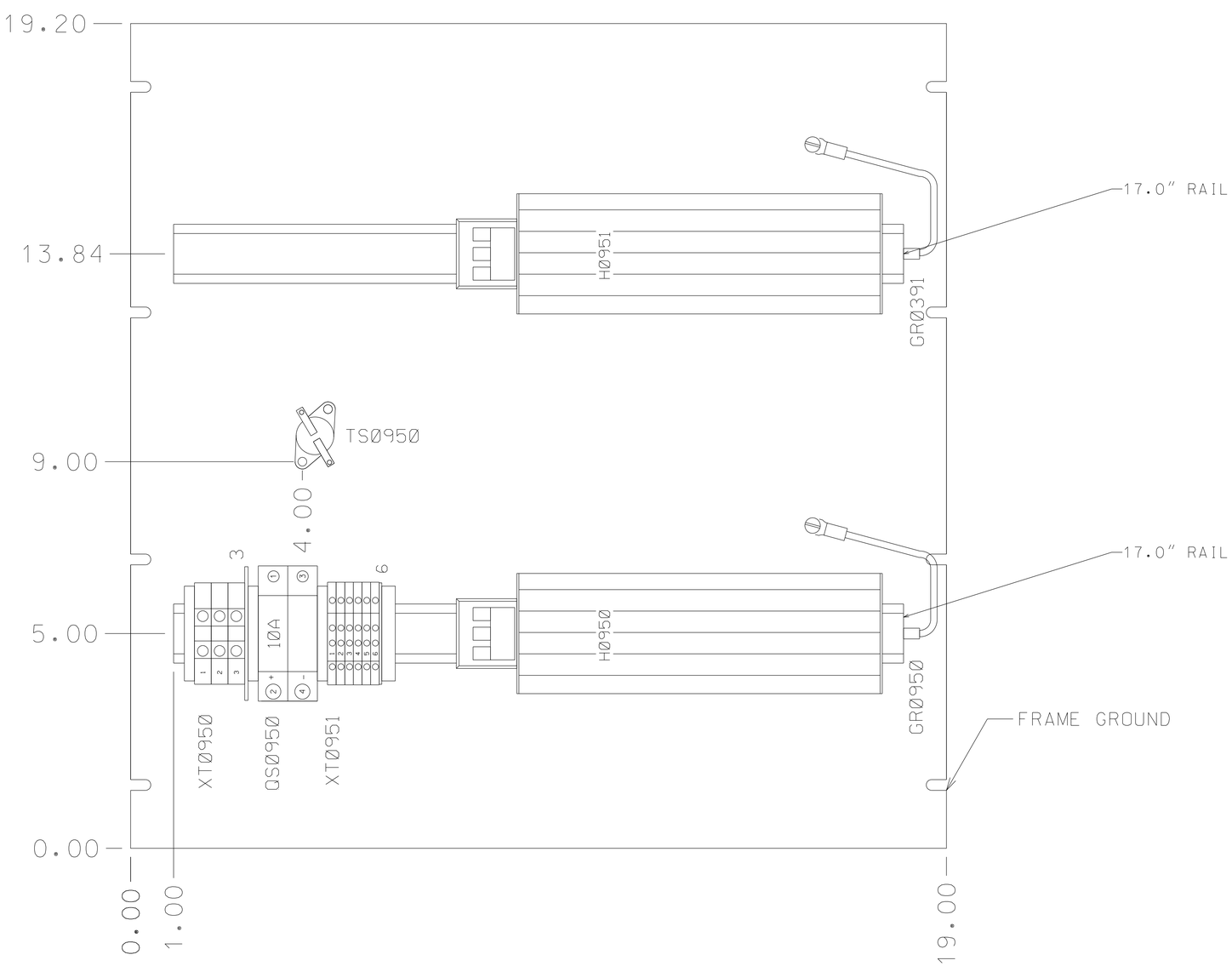
B.5		03/17/26	S. LOZA



BUILD ON UNPAINTED SIDE

SCREW PANEL: 1006616-11
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE SPACE HEATER PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME	PIC PROJECT PHASE 4 DEVELOPMENT	PANEL NO	0
MODEL	CTLM02 TURBOTRONICS 4	DWG NO. 4M181-149448	SHT REV B.4
LOC	T:\PROJECT\LAYOUT\REV\	DWG REV B.5	SHEET 10 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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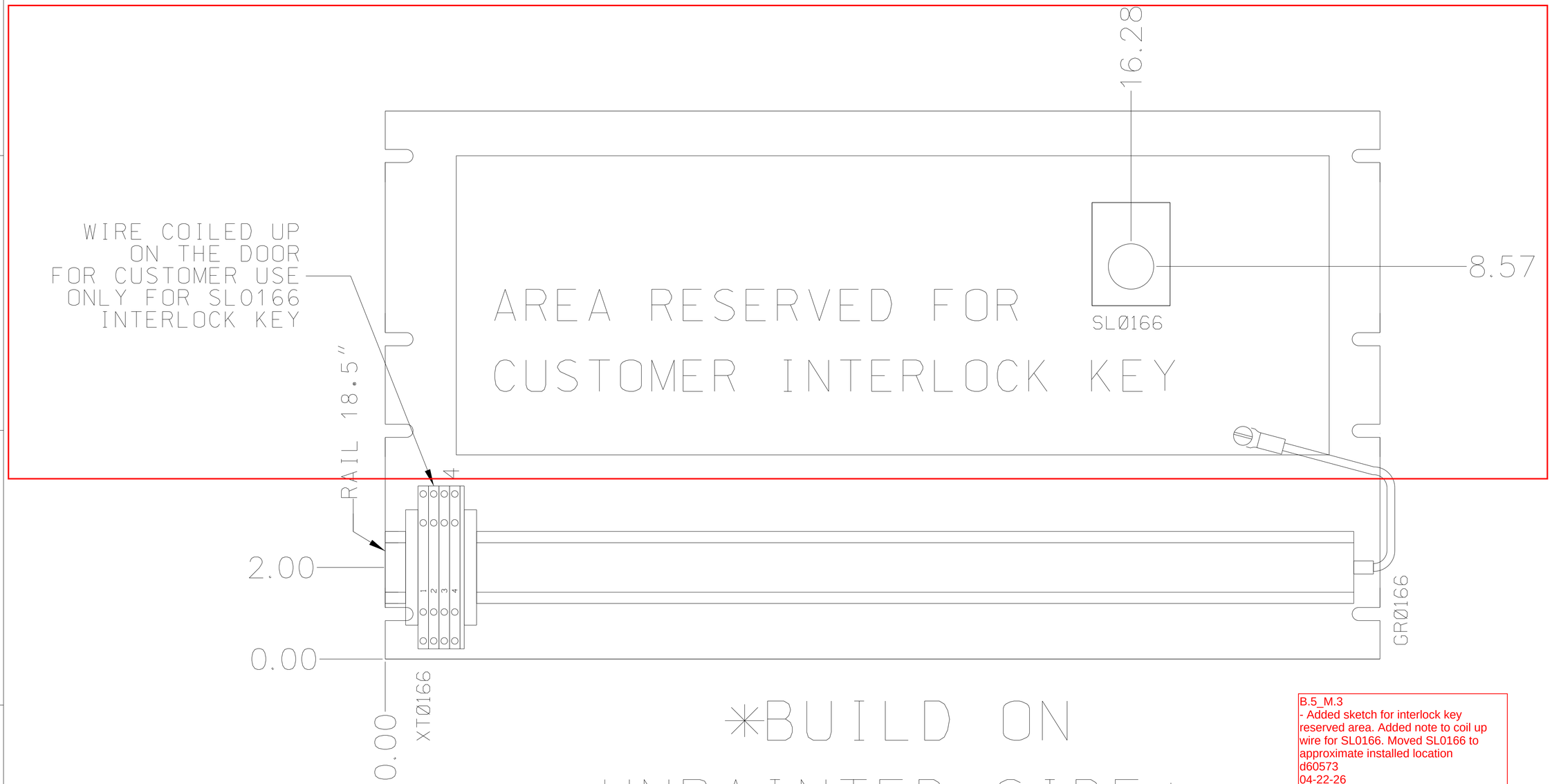
B.5_M.3		04/22/26	S. LOZA



*BUILD ON
UNPAINTED SIDE*

B.5_M.3
- Added sketch for interlock key reserved area. Added note to coil up wire for SL0166. Moved SL0166 to approximate installed location
d60573
04-22-26

PANEL: 1006616-6

CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL 1	RELEASE STAMP PD- 4M181	SIZE D	CAGE NO. 66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER S. LOZA	DATE 01/07/2025	DRAWING TITLE CONTROL CONSOLE GEN INTERLOCK KEY	
		DESIGN ENGINEER J. SHORTER	DATE 01/07/2025		
PROJECT NAME PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 1813478	
MODEL CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5_M.3
LOC T:\PROJECT\LAYOUT\REV\				DWG REV B.5_M.3	SHEET 11 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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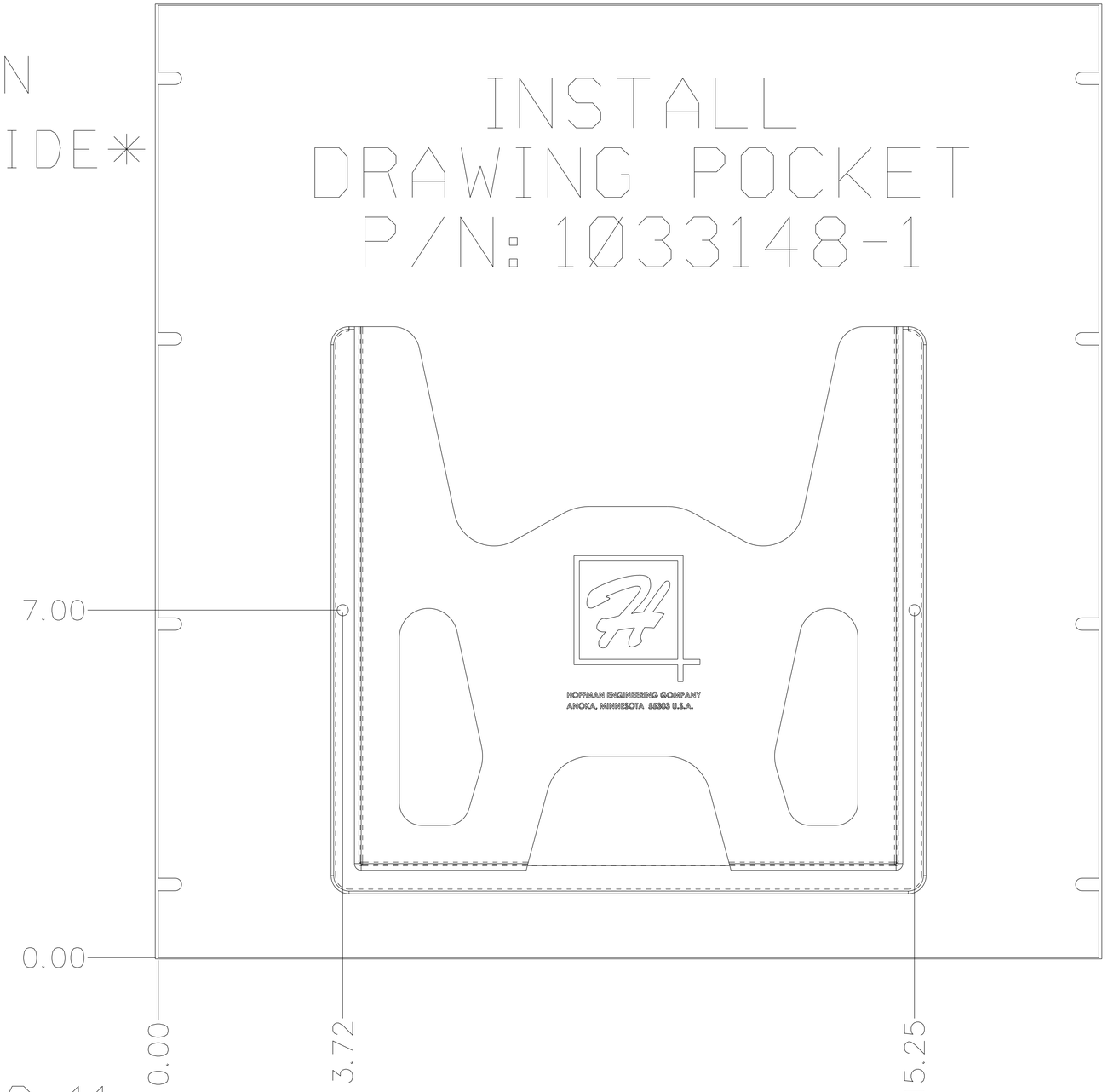
B.5		02/17/26	S. LOZA

BUILD ON UNPAINTED SIDE

INSTALL DRAWING POCKET P/N: 1033148-1



PANEL: 1006616-11
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL: LAY	RELEASE STAMP: PD- 4M181	SIZE: D	CAGE NO.: 66195	Solar Turbines, A Caterpillar Company	P.O. BOX 85376, San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE DWG POCKET PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				DWG NO. 4M181-1751642	SHT REV B.1
MODEL: CTLM02 TURBOTRONICS 4					
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 12 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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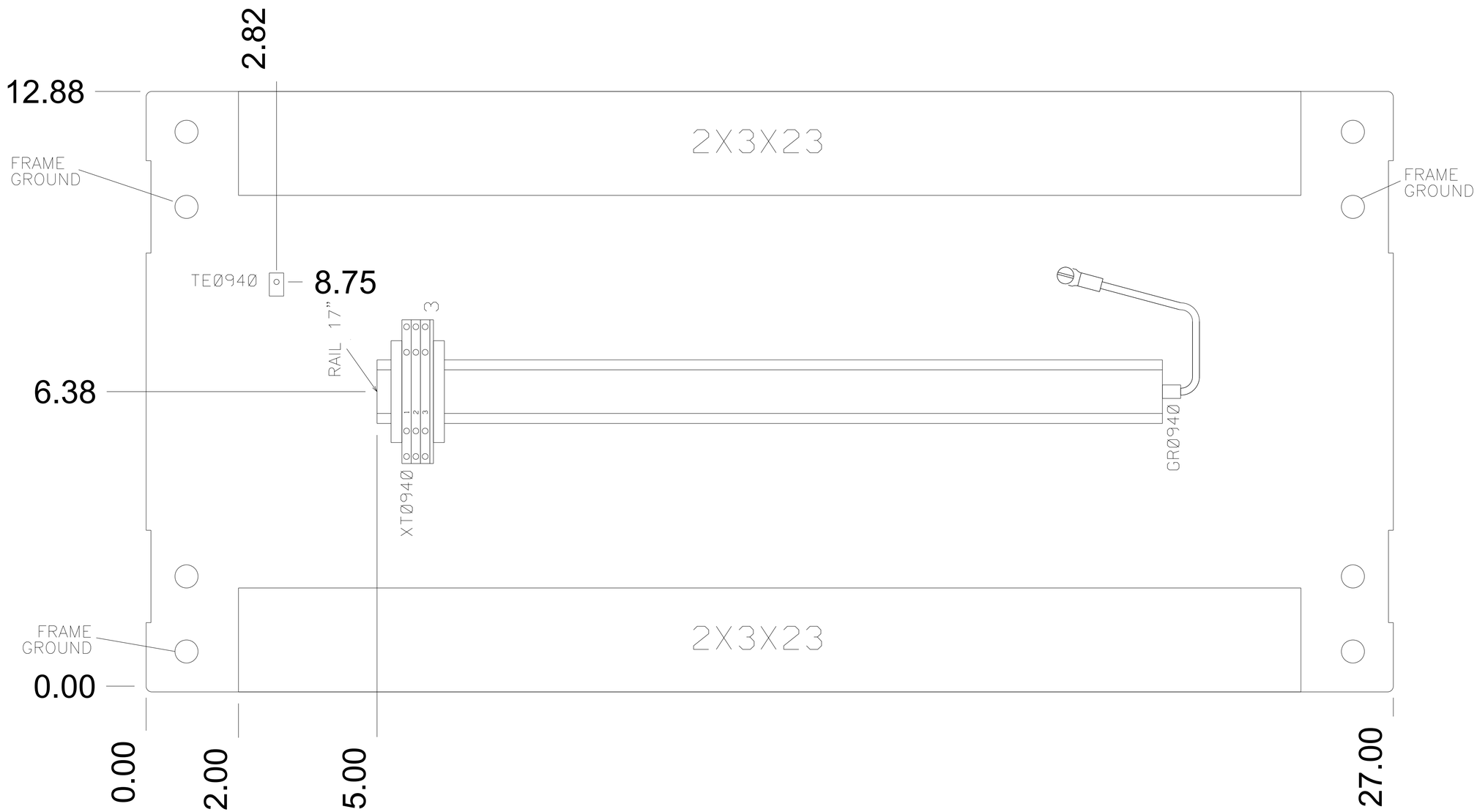
B.5		03/13/26	S. LOZA



PANEL: 1053331-401
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE TEMP SENSING	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT	PANEL NO. 2868748	
MODEL: CTLM02 TURBOTRONICS 4	DWG NO. 4M181-149448	SHT REV B.4
LOC: T:\PROJECT\LAYOUT\REV\	DWG REV B.5	SHEET 13 OF 28

NOTE: ALL TERMINALS INSIDE CLOUD POINTS
ARE SCREW TYPE TERMINALS PN: 1067996-XX

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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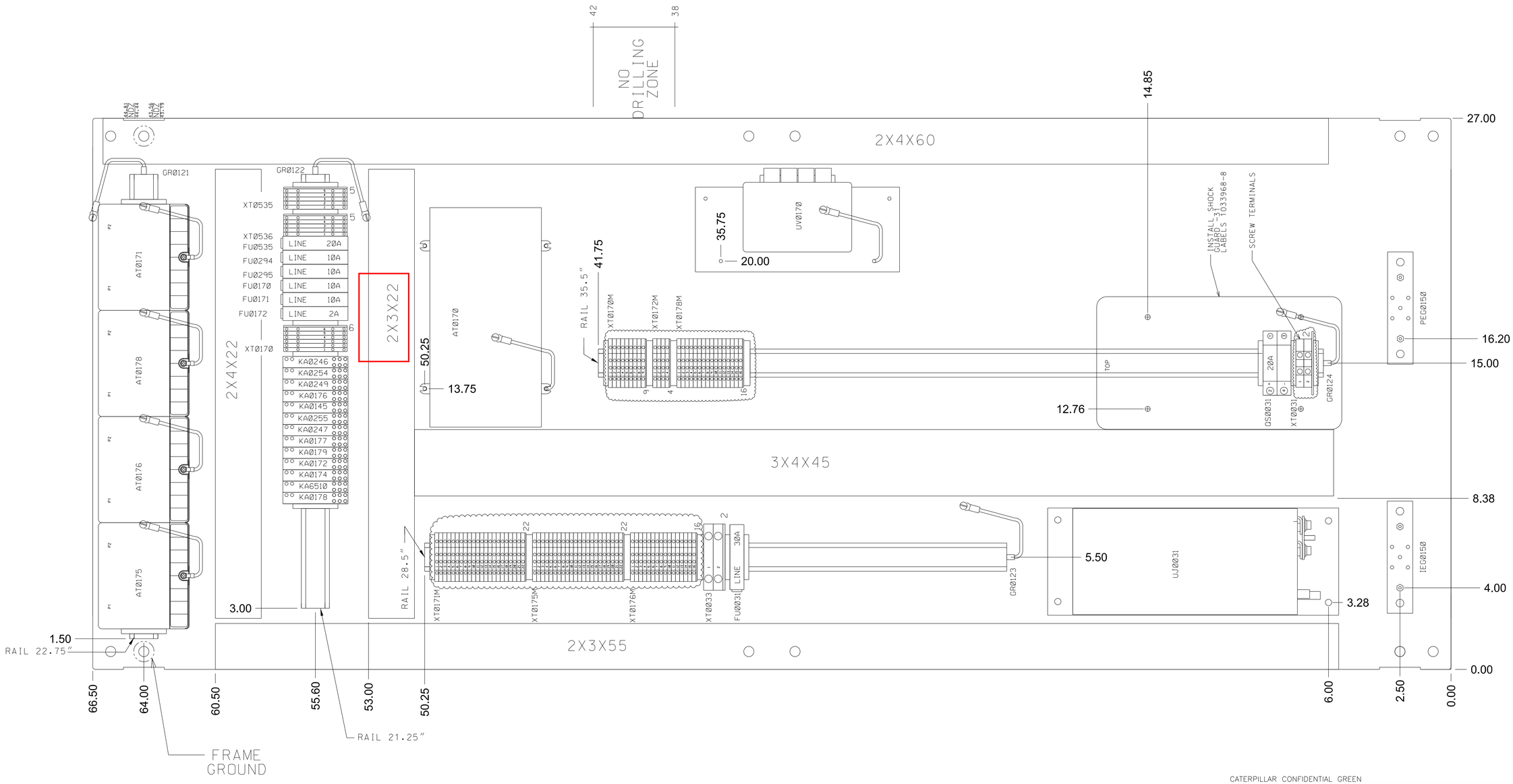
B.5_M.3		04/22/26	S. LOZA



PANEL: 1053331-1300
CONSOLE: 1011920-305-P38

B.5_M.3
- Updated panduct height from 2x4x22 to 2x3x22
d60573
04-22-26

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE F&G PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2854836	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5_M.3
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5_M.3	SHEET 14 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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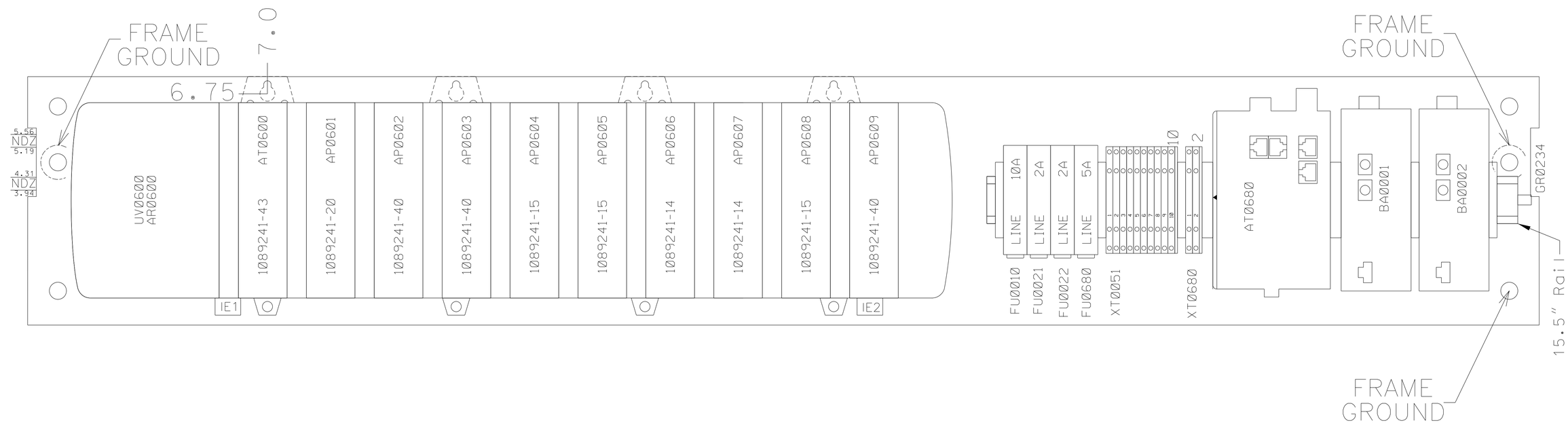
B.5		03/11/26	S. LOZA



PANEL: 1058112-2001
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE PLC PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME	PIC PROJECT PHASE 4 DEVELOPMENT	PANEL NO. 2840150	
MODEL	CTLM02 TURBOTRONICS 4	DWG NO. 4M181-149448	SHT REV B.4
LOC	T:\PROJECT\LAYOUT\REV\	DWG REV B.5	SHEET 15 OF 28

NOTE: ALL TERMINALS INSIDE CLOUD POINTS
ARE SCREW TYPE TERMINALS PN: 1067996-XX

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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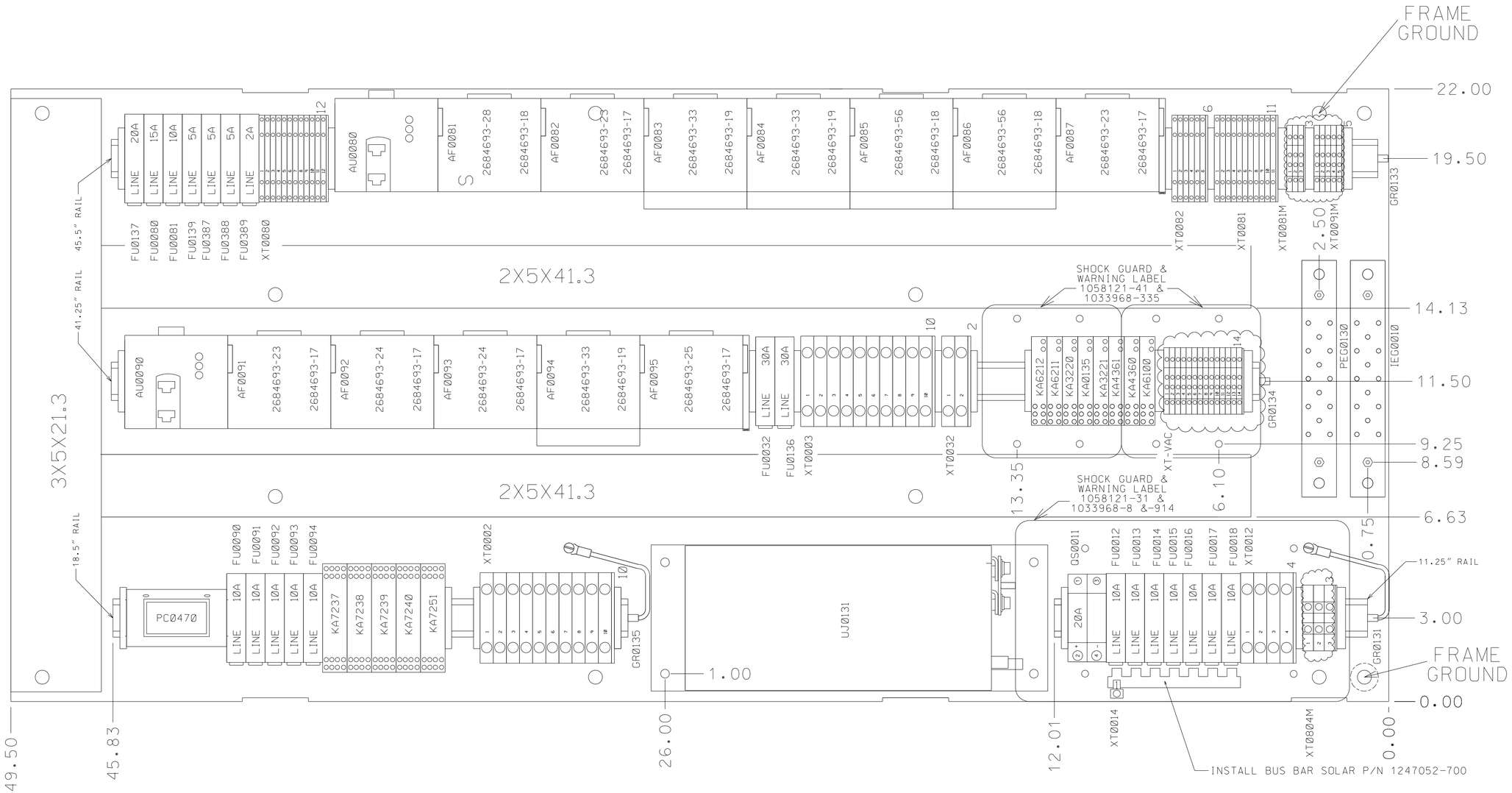
B.5		03/25/26	S. LOZA



PANEL: 1053331-1000
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE PANEL A	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO: 2840821	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 16 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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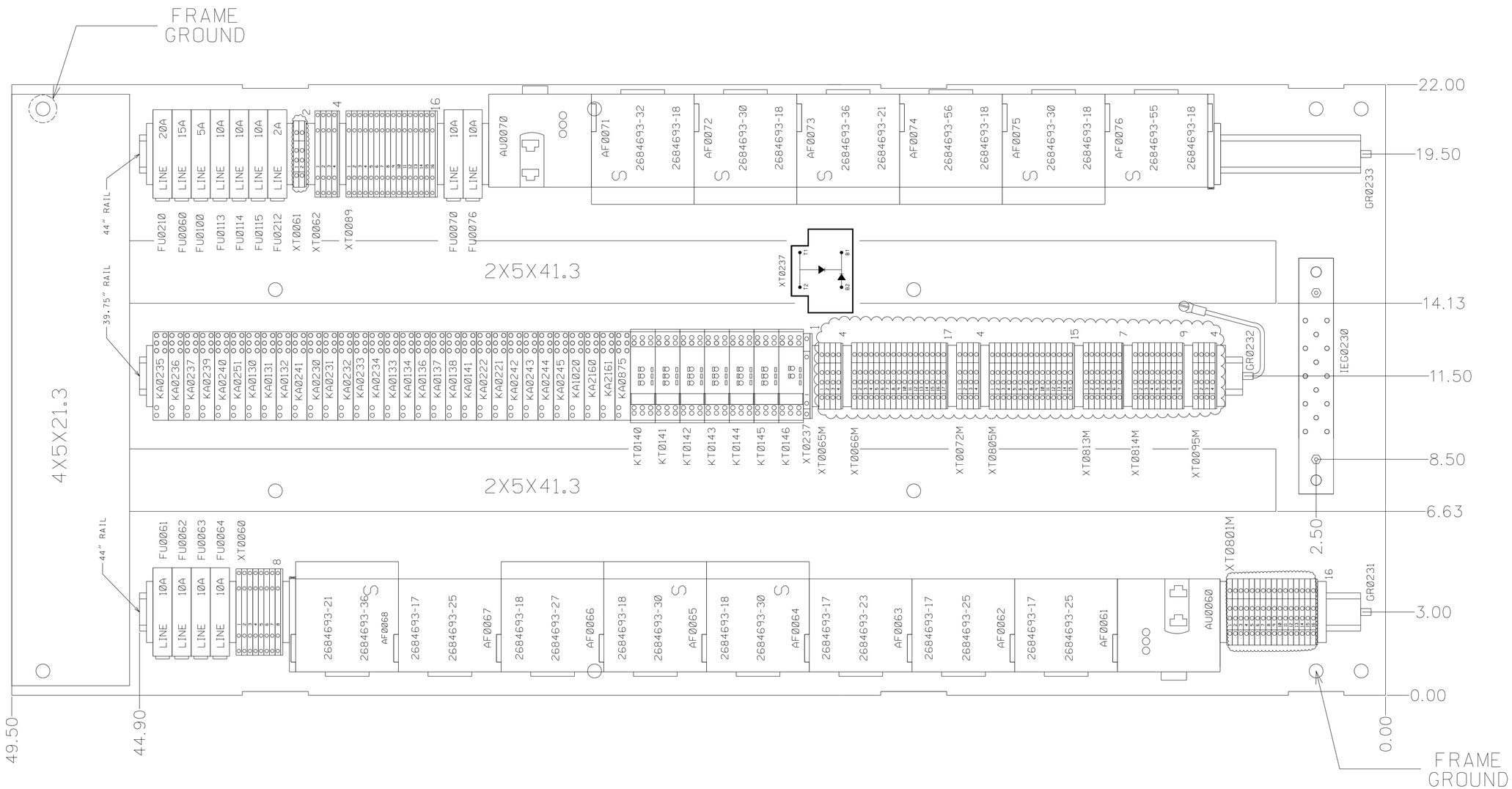
B.5		03/11/26	S. LOZA

NOTE: ALL TERMINALS INSIDE CLOUD POINTS ARE SCREW TYPE TERMINALS PN: 1067996-XX



PANEL: 1053331-1000
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE PANEL B	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2844050	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.4
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 17 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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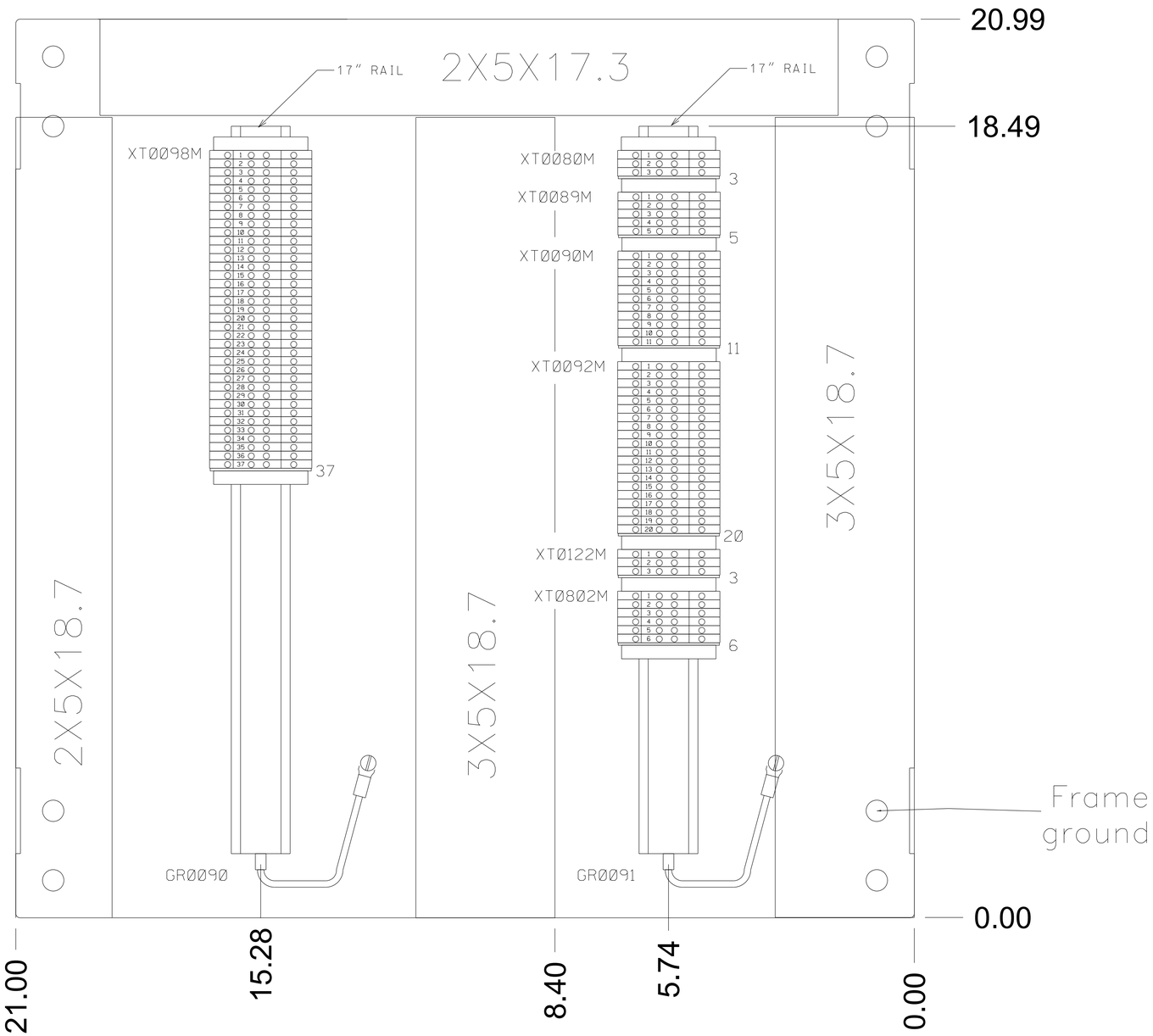
B.5		03/11/26	S. LOZA



SCREW PANEL: 1053331-302

CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE SCREW TERMINALS	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT		PANEL NO: 2854836	
MODEL: CTLM02 TURBOTRONICS 4		DWG NO. 4M181-149448	SHT REV B.4
LOC: T:\PROJECT\LAYOUT\REV\		DWG REV B.5	SHEET 18 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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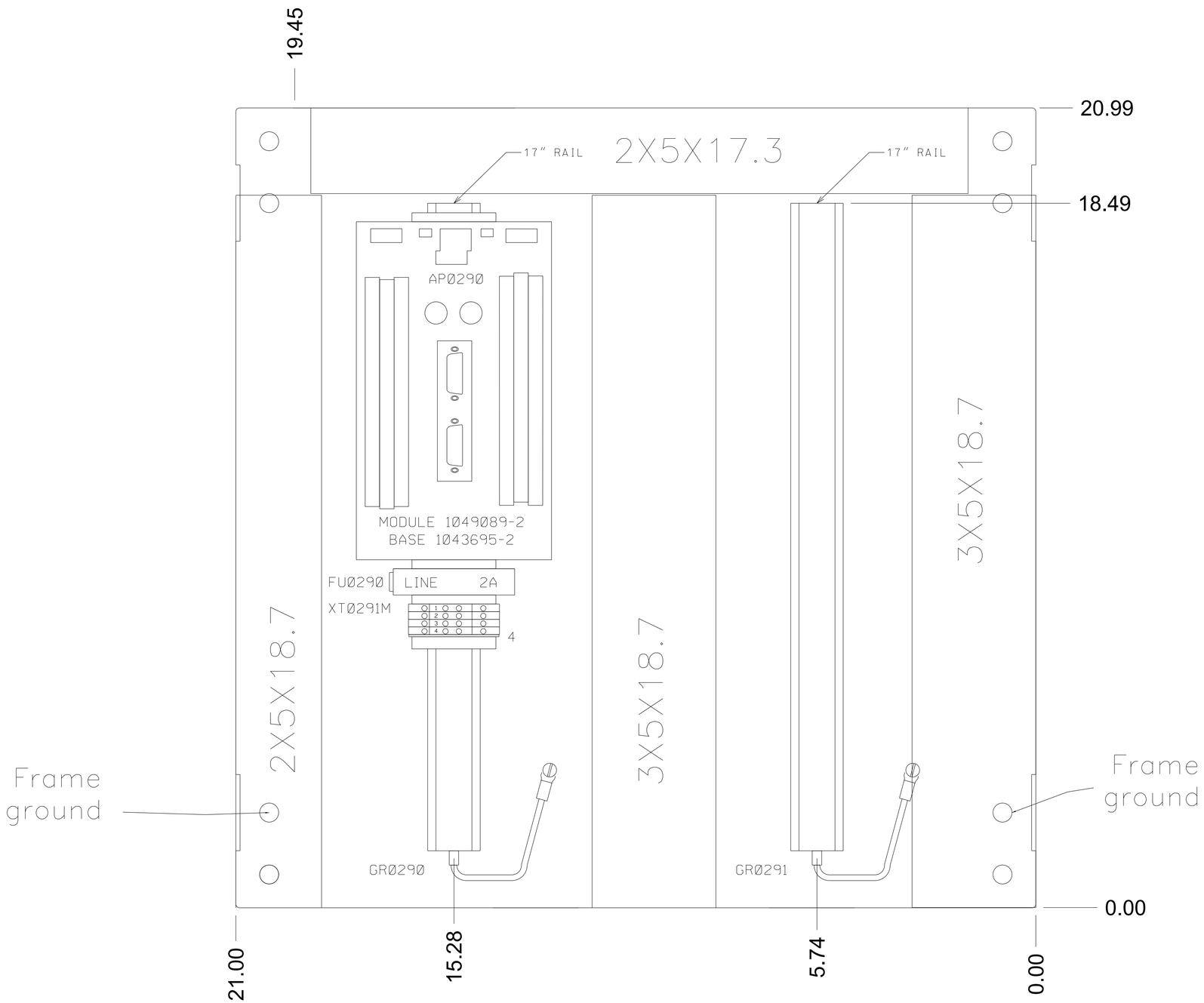
B.5		03/13/26	S. LOZA



SCREW PANEL: 1053331-302

CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE HART MULTIPLEXER	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2854836	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.4
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 19 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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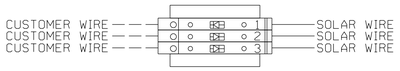
B.5_M.3		04/22/26	S. LOZA

CUSTOMER CONNECTION TERMINAL PNS



FUSE TERMINALS
P/N 2411007-1 AND -2 WITH FUSE 980742C1
USE END STOPS 1026390

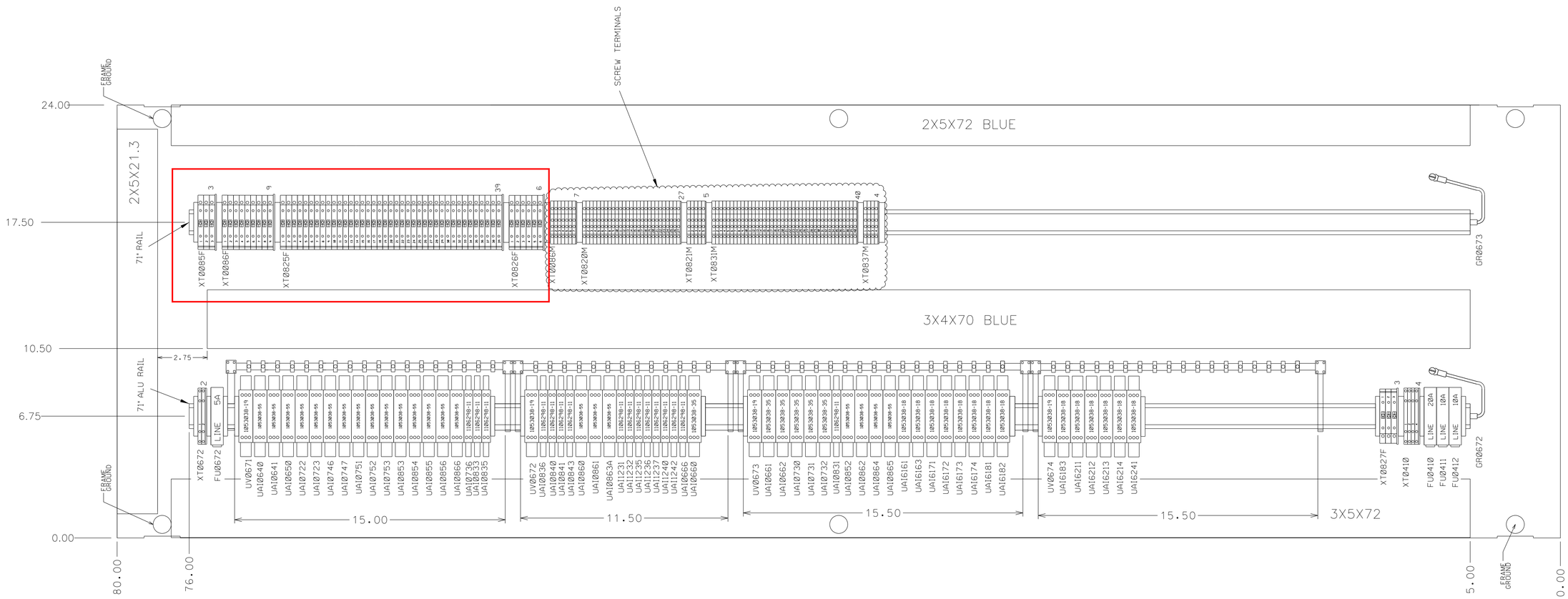
FUSED TERMINALS ARE GROUPED IN BLOCKS OF THREE AS SHOWN IN PATTERN

- TERMINAL 1 FROM PATTERN (-1) SHOULD HAVE DIODE IN THIS POSITION
- TERMINAL 2 FROM PATTERN (-2) SHOULD HAVE DIODE IN THIS POSITION
- TERMINAL 3 FROM PATTERN (-2) SHOULD HAVE DIODE IN THIS POSITION

TERMINAL 1	125 mA
TERMINAL 2	125mA
TERMINAL 3	N/A

FUSED TERMINAL PATTERN

NOTE: ALL TERMINALS INSIDE CLOUD POINTS ARE BLUE SCREW TYPE TERMINALS
PN: 1067996-59
END PLATE: 1067996-60



B.5_M.3
- Flipped fused terminals from right rail to match actual build
d60573
04-22-26

PANEL: 231490-4
CONSOLE: 1011920-305-P38

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE ISOLATOR PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT
PANEL NO: 2868173
MODEL: CTLM02 TURBOTRONICS 4
DWG NO. 4M181-149448 SHT REV B.5_M.3
LOC: T:\PROJECT\LAYOUT\REV\
DWG REV B.5_M.3
SHEET 20 OF 28

NOTE: ALL TERMINALS INSIDE CLOUD POINTS
ARE SCREW TYPE TERMINALS PN: 1067996-XX

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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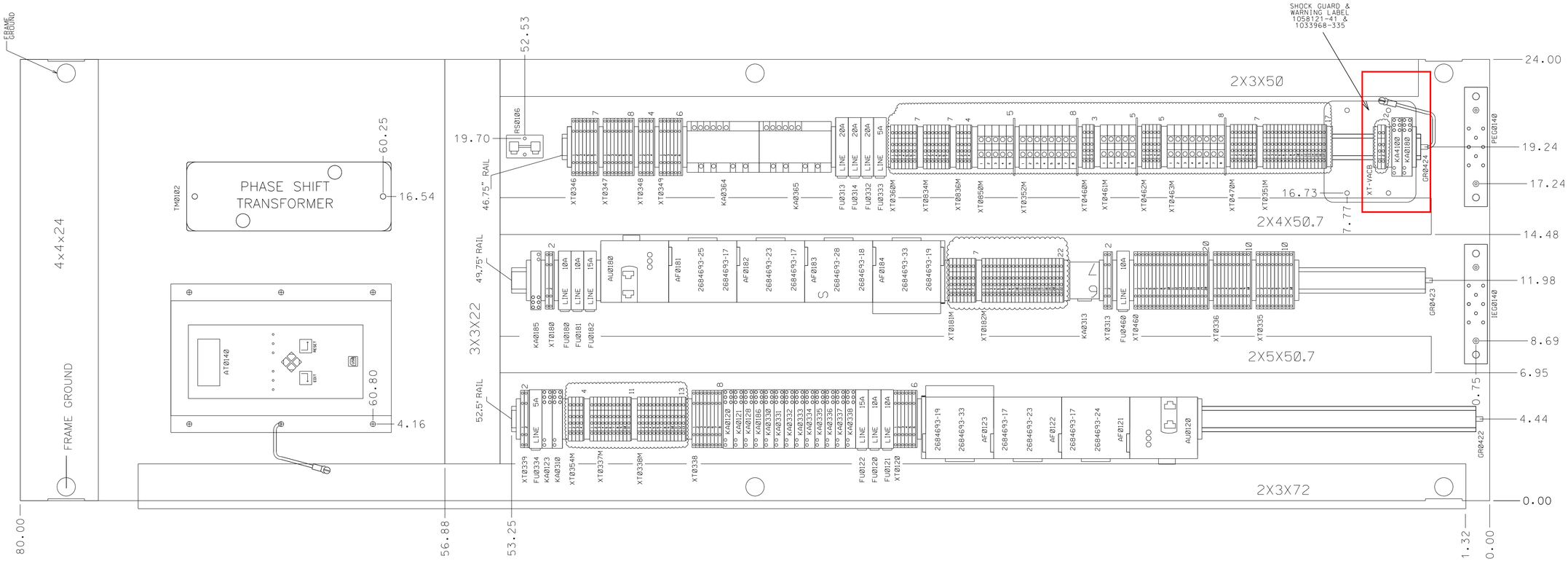
B.5_M.1		04/07/26	S. LOZA



B.5_M.1
- Moved KA0180 under shock guard
d60573
04-07-26

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: CONTROL CONSOLE GEN CONTROL PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT
PANEL NO. 2973867
MODEL: CTLM02 TURBOTRONICS 4
DWG NO. 4M181-149448
SHT REV B.5_M.1
LOC: T:\PROJECT\LAYOUT\REV\
DWG REV B.5_M.1
SHEET 21 OF 28

PANEL: 231490-4
CONSOLE: 1011920-305-P38

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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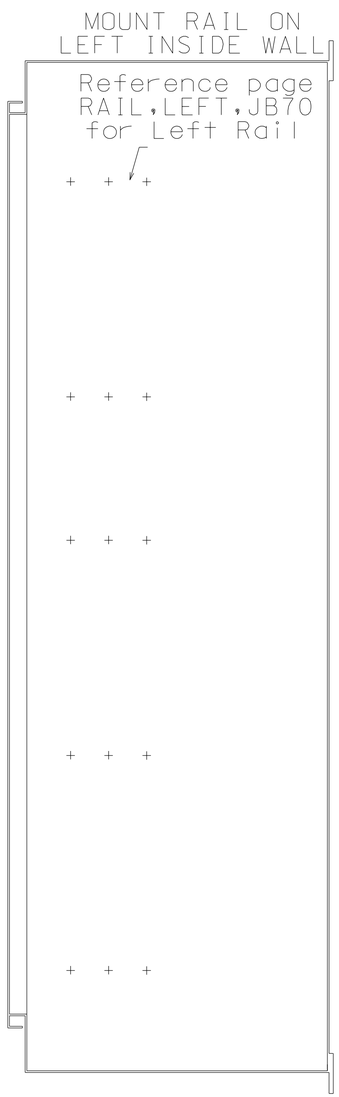
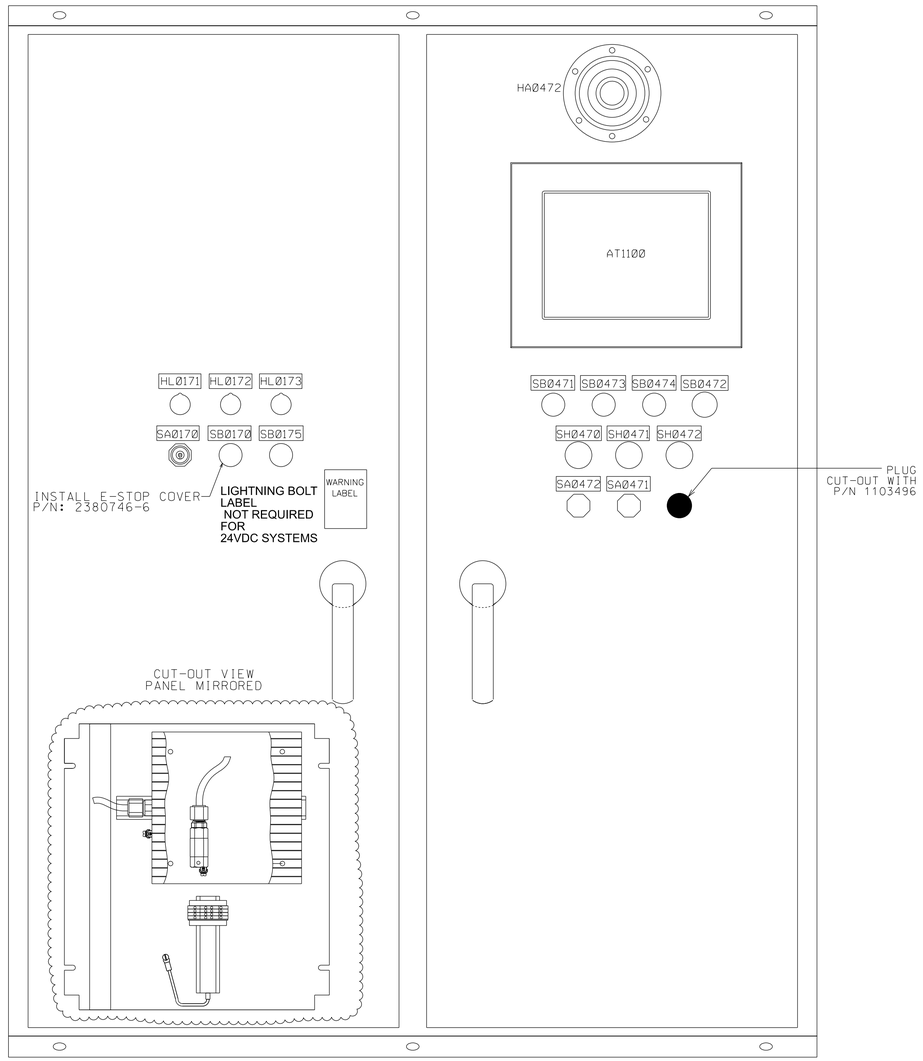
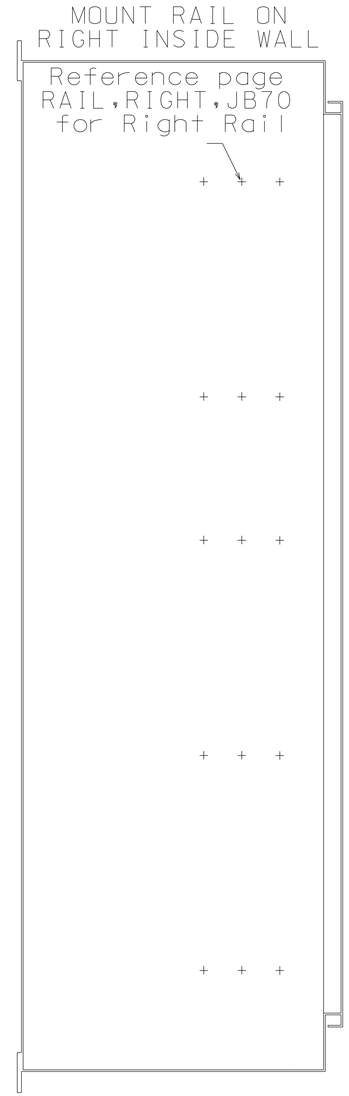
B.5		03/25/26	S. LOZA



LEFT INTERIOR VIEW



FRONT VIEW



RIGHT INTERIOR VIEW

USE 1033968-XX
SAFETY LABELS
BURMESE/ENGLISH

-906 IS/NON-IS

-801

-919 CAUTION

-246

-478

-479

-457

BOX: 6041634-100

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DATA CONTROL LEVEL 1	RELEASE STAMP PD- 4M181	SIZE D	CAGE NO. 66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER S. LOZA	DATE 01/07/2025	DRAWING TITLE JB70 CONTROL BOX	
		DESIGN ENGINEER J. SHORTER	DATE 01/07/2025		
PROJECT NAME PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2876509	
MODEL CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5
LOC T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 22 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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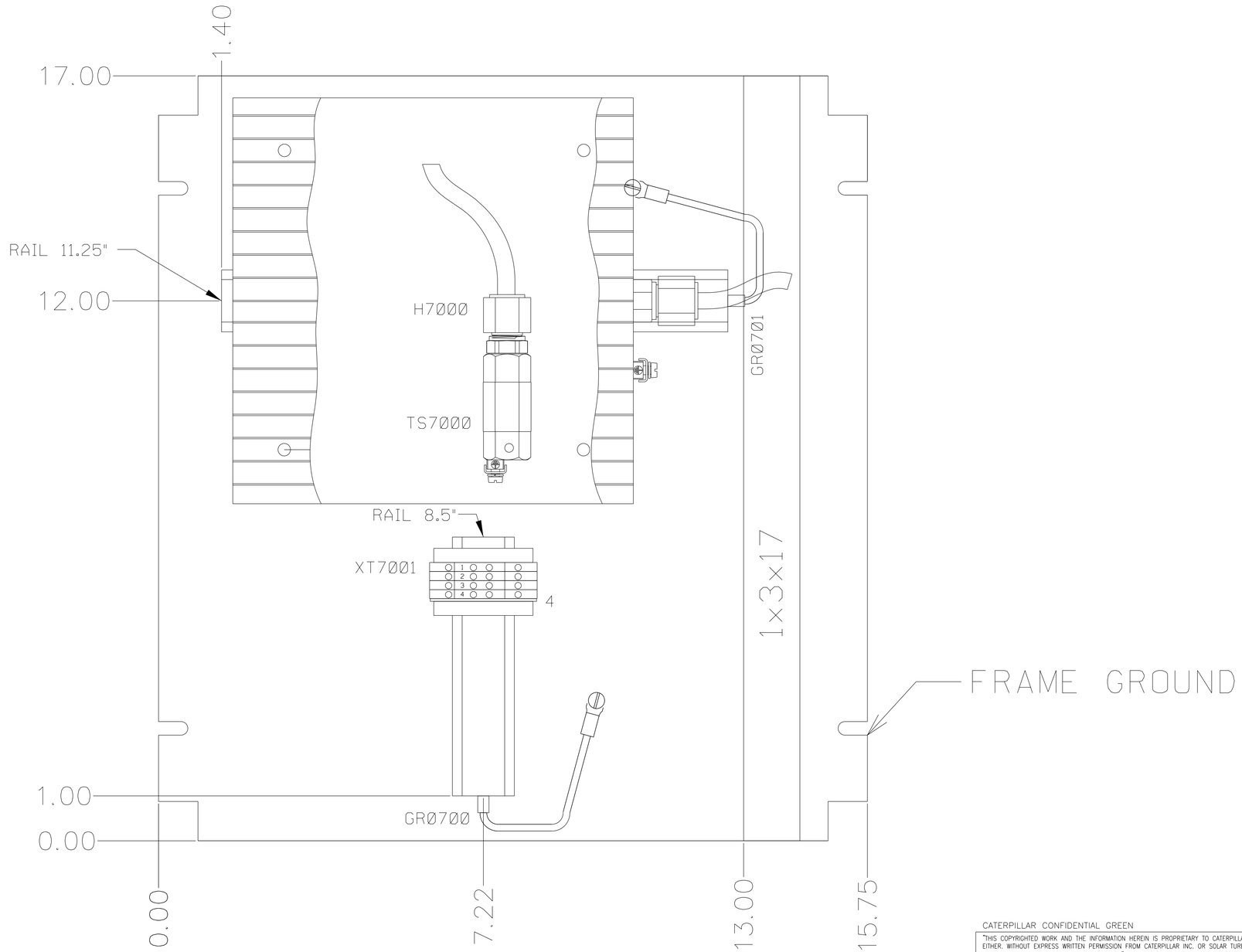
B.5		02/19/26	S. LOZA



SCREW PANEL: 1058134-21
BOX: 6041634-100

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: JB70 DOOR HEATER PANEL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT		PANEL NO. 1054689R	
MODEL: CTLM02 TURBOTRONICS 4		DWG NO. 4M181-149448	SHT REV B.1
LOC: T:\PROJECT\LAYOUT\REV\		DWG REV B.5	SHEET 23 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
0	0	0	0
B.5		02/17/26	S. LOZA

BOX: 6041634-100

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: JB70 LEFT RAIL	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT		PANEL NO. 2006964	
MODEL: CTLM02 TURBOTRONICS 4		DWG NO. 4M181-149448	SHT REV B.1
LOC: T:\PROJECT\LAYOUT\REV\		DWG REV B.5	SHEET 24 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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B.5		02/06/26	S. LOZA

BOX: 6041634-100

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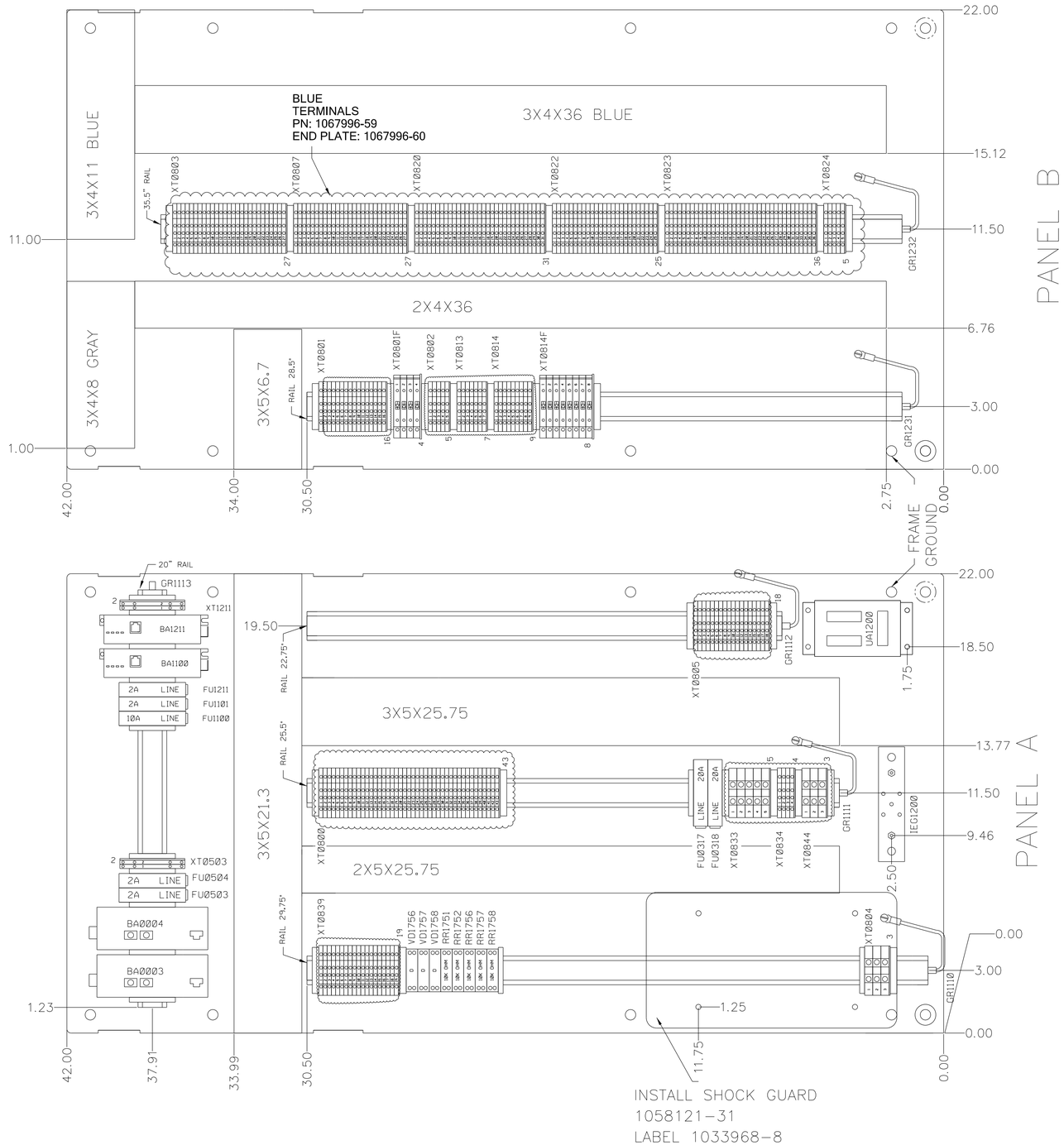
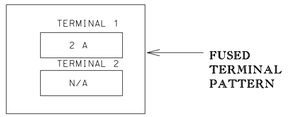
DATA CONTROL LEVEL 1	RELEASE STAMP PD- 4M181	SIZE D	CAGE NO. 66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER S. LOZA	DATE 01/07/2025	DRAWING TITLE JB70 RIGHT RAIL	
		DESIGN ENGINEER J. SHORTER	DATE 01/07/2025		
PROJECT NAME PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 2006965	
MODEL CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.1
LOC T:\PROJECT\LAYOUT\REV\				DWG REV B.5	SHEET 25 OF 28

NOTE: ALL TERMINALS INSIDE CLOUD POINTS ARE BEIGE SCREW TYPE TERMINALS, UNLESS OTHERWISE SHOWN

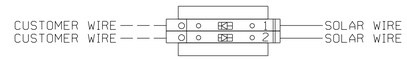


INSTALL SHOCK GUARD
1058121-31
LABEL 1033968-8

NOTE: THE DIAGRAM BELOW APPLIES ONLY TO FUSED TERMINALS, INDICATED AS 'XT....F'



CUSTOMER CONNECTION TERMINAL PNS



FUSE TERMINALS
P/N 2411007-1 AND -2 WITH FUSE 980742C1
USE END STOPS 1026390

- ODD NUMBERED TERMINALS (-1) SHOULD HAVE DIODE IN THIS POSITION
- EVEN NUMBERED TERMINALS (-2) SHOULD HAVE DIODE IN THIS POSITION

PANEL: 1053331-4M181 x2
BOX: 6041634-100

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
0	0	0	0
B.5		03/17/26	S. LOZA

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
1	PD- 4M181	D	66195		
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: JB70 INTERFACE PANELS	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME	PIC PROJECT PHASE 4 DEVELOPMENT	PANEL NO. 2845084	
MODEL CTLM02 TURBOTRONICS 4		DWG NO. 4M181-149448	SHT REV B.4
LOC T:\PROJECT\LAYOUT\REV\		DWG REV B.5	SHEET 26 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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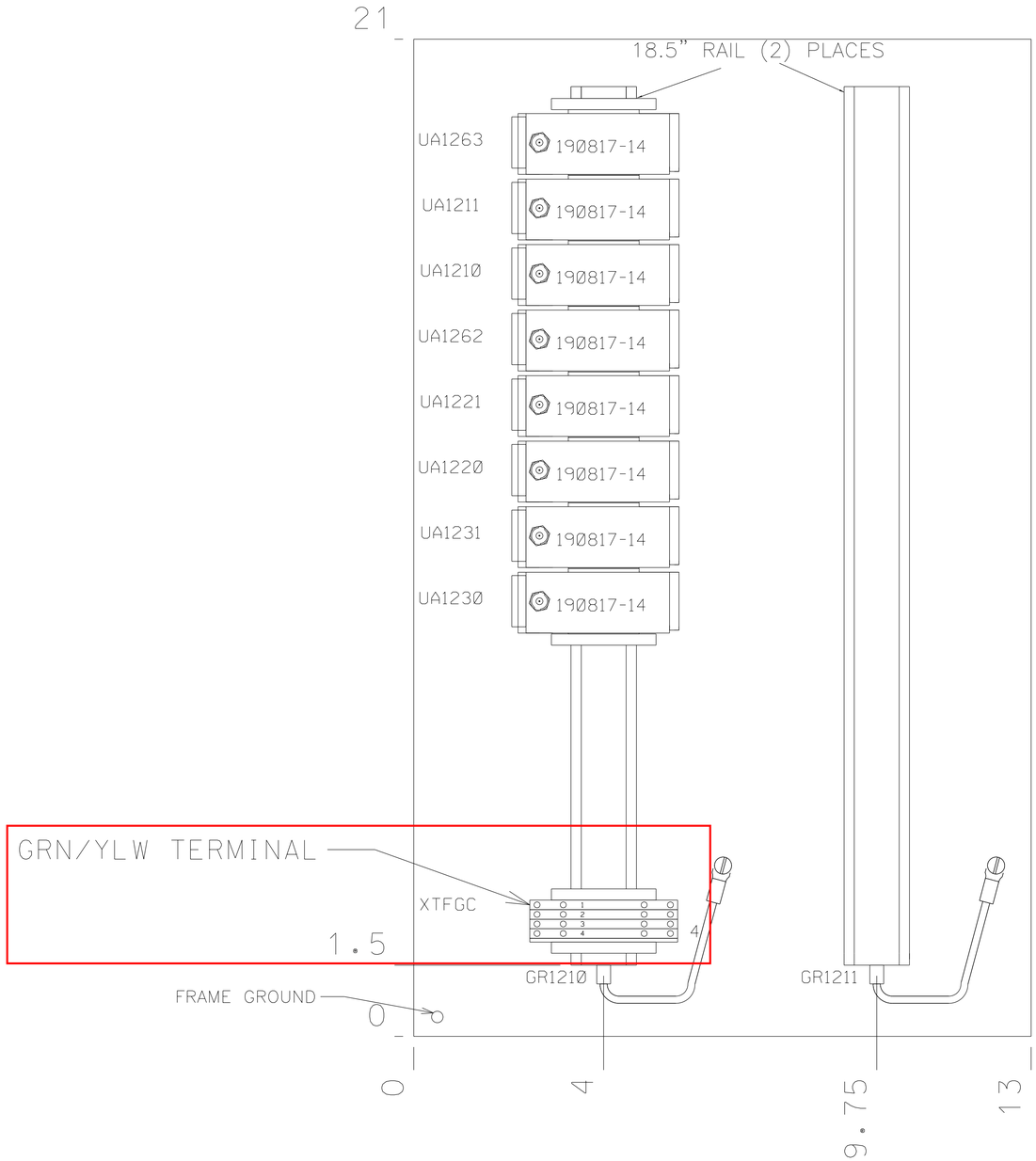
B.5_M.4		04/29/26	S. LOZA



USE 1033968-XX SAFETY LABELS BURMESE/ENGLISH

-204 IS

-801

-919

1033940-919

CAUTION

-246

-478

-479

B.5_M.4
- Added 4 grn/ylw terminals XTFGC
d60573
04-29-26

PANEL:98107OC1
BOX: 1059579-50

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: TURB PROX BOX JB5	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		
PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT				PANEL NO. 1736832	
MODEL: CTLM02 TURBOTRONICS 4				DWG NO. 4M181-149448	SHT REV B.5_M.4
LOC: T:\PROJECT\LAYOUT\REV\				DWG REV B.5_M.4	SHEET 27 OF 28

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
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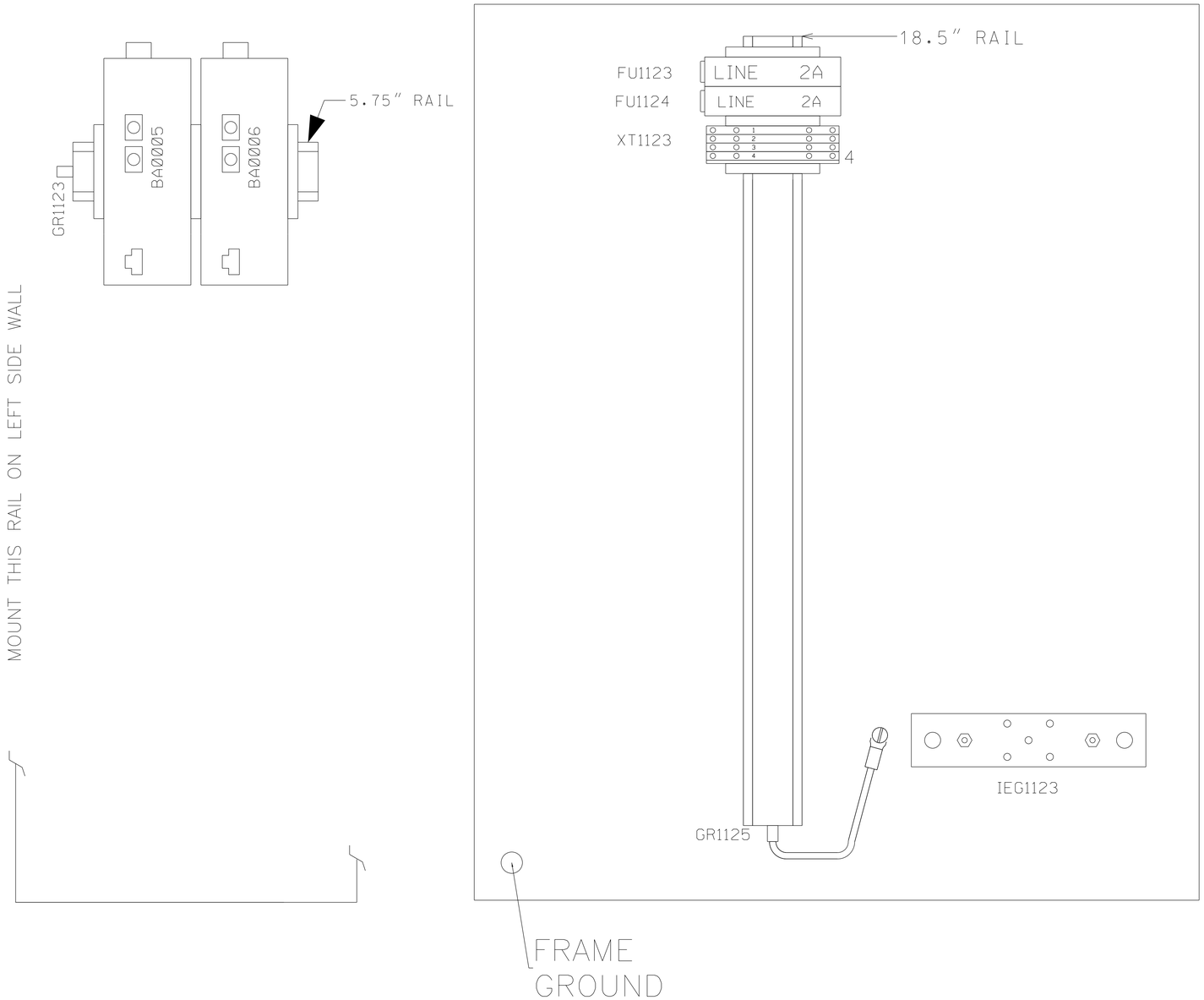
B.5		02/10/26	S. LOZA



USE 1033968-XX SAFETY LABELS BURMESE/ENGLISH

-478

-479

-457

PANEL: 1058112-2300
BOX: 1054596-50

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DATA CONTROL LEVEL	RELEASE STAMP	SIZE	CAGE NO.		
1	PD- 4M181	D	66195	Solar Turbines — A Caterpillar Company	P.O. BOX 85376 San Diego, California 92186-5376
		MFG DES ENGINEER: S. LOZA	DATE: 01/07/2025	DRAWING TITLE: MEDIA CONVERTER BOX JB1123	
		DESIGN ENGINEER: J. SHORTER	DATE: 01/07/2025		

PROJECT NAME: PIC PROJECT PHASE 4 DEVELOPMENT		PANEL NO: 1751642	
MODEL: CTLM02 TURBOTRONICS 4		DWG NO. 4M181-149448	SHT REV B.1
LOC: T:\PROJECT\LAYOUT\REV\		DWG REV B.5	SHEET 28 OF 28