

- 1) ALL DIMENSIONS ARE IN INCHES.
- 2) PANELS SHALL BE FABRICATED FROM 11 GA CRS.
- 3) PANELS TO BE BRACED AS REQUIRED TO INSURE A SMOOTH AND LEVEL SURFACE. ALL EXPOSED WELDS TO BE GROUND SMOOTH.
- 4) INTERIOR FINISH TO BE - ANSI 61 SATIN GRAY.
EXTERIOR FINISH TO BE - ANSI 61 SATIN GRAY.

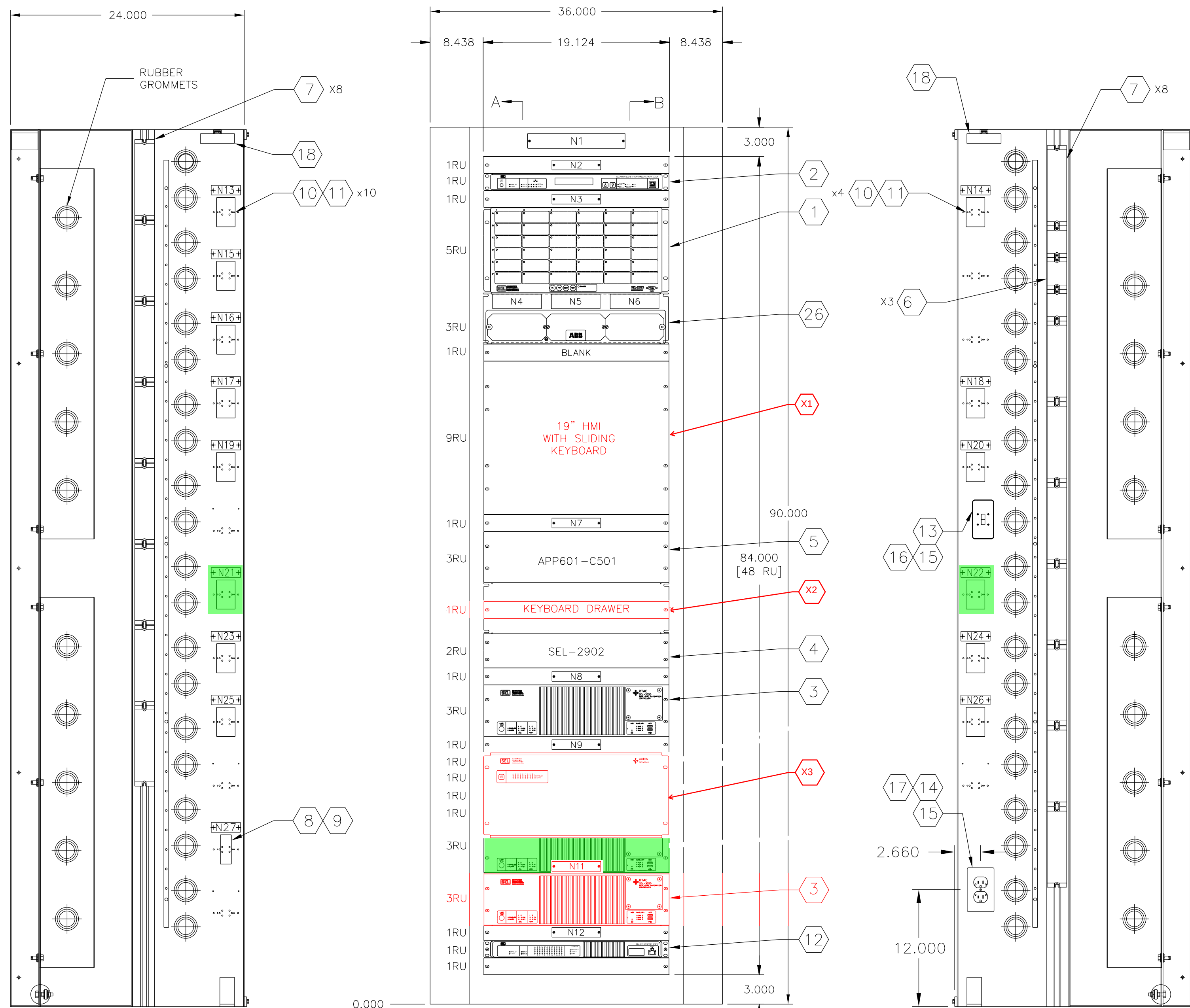
NAMEPLATE LIST					
NO.	FIRST LINE	SECOND LINE	THIRD LINE	SIZE	TEXT
N1	PNL 10 (INTEGRATION)	XXXXXX	XXXXXX	1 1/2 x 10"	1/2"
N2	GPS CLOCK	XXXXXX	XXXXXX	1 X 5"	1/2"
N3	ANNUNCIATOR	XXXXXX	XXXXXX	1 X 5"	1/2"
N4	SEE DETAIL "A"	XXXXXX	XXXXXX	1 1/2 X 5"	5/32"
N5	SEE DETAIL "B"	XXXXXX	XXXXXX	1 1/2 X 5"	5/32"
N6	SEE DETAIL "C"	XXXXXX	XXXXXX	1 1/2 X 5"	5/32"
N7	DFR – COMPUTER	XXXXXX	XXXXXX	1 X 5"	1/2"
N8	PRI COMM PROCESSOR	XXXXXX	XXXXXX	1 X 5"	1/2"
N9	MANAGE AXION (101) (#)	XXXXXX	XXXXXX	1 X 5"	1/2"

NAMEPLATE LIST – CONTINUED					
NO.	FIRST LINE	SECOND LINE	THIRD LINE	SIZE	TEXT
N10	MANAGED SWITCH #2	XXXXXX	XXXXXX	1 x 5"	1/2"
N11	BU COMM PROCESSOR	XXXXXX	XXXXXX	1 x 5"	1/2"
N12	DFR ETHERNET	XXXXXX	XXXXXX	1 x 5"	1/2"
N13	FU1	GPS CLOCK PWR A	XXXXXX	1 x 3"	1/2"
N14	FU2	GPS CLOCK PWR B	XXXXXX	1 x 3"	1/2"
N15	FU3	ANNUNCIATOR	XXXXXX	1 x 3"	1/2"
N16	FU4	DFR COMPUTER	XXXXXX	1 x 3"	1/2"
N17	FU5	PRI COMM PROCESSOR PWR A	XXXXXX	1 x 3"	1/2"
N18	FU6	PRI COMM PROCESSOR PWR B	XXXXXX	1 x 3"	1/2"
N19	FU7	MANAGED SWITCH #2 PWR A	XXXXXX	1 x 3"	1/2"
N20	FU8	MANAGED SWITCH #2 PWR B	XXXXXX	1 x 3"	1/2"
N21	FU9	MANAGED SWITCH #2 PWR A	XXXXXX	1 x 3"	1/2"
N22	FU10	MANAGED SWITCH #2 PWR B	XXXXXX	1 x 3"	1/2"
N23	FU11	BU COMM PROCESSOR PWR A	XXXXXX	1 x 3"	1/2"
N24	FU12	BU COMM PROCESSOR PWR B	XXXXXX	1 x 3"	1/2"
N25	FU13	DFR SWITCH PWR A	XXXXXX	1 x 3"	1/2"
N26	FU14	DFR SWITCH PWR B	XXXXXX	1 x 3"	1/2"
N27	FU15	RCPT	XXXXXX	1 x 3"	1/2"

UNLESS OTHERWISE NOTED:

- NAMEPLATE MOUNTING SHALL BE VIA S/S PAN HEAD SCREWS.
- TEST SWITCH NAMEPLATES SHALL BE MOUNTED WITH DOUBLE ADHESIVE TAPE.
- COLOR SHALL BE BLACK WITH WHITE TEXT.

BILL OF MATERIALS – CONTINUED				
ITEM	STYLE NUMBER	QTY	MFR	DESCRIPTION
5	APP-601-C501-00A-00E-W7	1	APP ENGINEERING	(AKA APP-501-00A-00E-0) APP-501 COMPUTER CONTROL CHASSIS, 125VDC HORIZONTAL RACK MOUNTED INCLUDES: DELL LAPTOP, 2.5" 1TB HDD, INTEL I5 PROCESSOR, 4GB RAM, 8X DVD RW DRIVE, 14.1" SCREEN, 1-RS232, 2-ETHERNET, 2-USB, 56K MODEM, WINDOWS 7, KEYBOARD POWER CABLE APP00037 10AWG GROUND ASSEMBLY, 10' LENGTH APP00088 PROGRAMMING CABLE WITH ADAPTER SPARE HARD DRIVE (1) SYSTEM INSTRUCTION MANUAL & DRAWINGS LAMINATED CONFIGURATION GUIDE & CONNECTION DIAGRAM
6	EB27B04S	3	GE	TERMINAL BLOCK, GE EB-27, 4 POLE, 600V, 30A, STANDARD CONNECTORS WITH SHORT CIRCUITING BAR
7	1512STD	16	MARATHON	TERMINAL BLOCK, MARATHON 1500 SERIES, 12 POLE, 600V, 30A, STANDARD CONNECTORS
8	F30A1S	1	MARATHON	FUSE BLOCK, CLASS H, 1 POLE, 250V, 30A
9	NON-15	1	BUSSMANN	FUSE, TYPE NON, CLASS K5 & H, 125VDC, 15A
10	F30A2S	12	MARATHON	FUSE BLOCK, CLASS H, 2 POLE, 250V, 30A
11	NON-10	24	BUSSMANN	FUSE, TYPE NON, CLASS K5 & H, 125VDC, 10A
12	2731#R05H	1	SEL	ETHERNET SWITCH, 125/250 VDC POWER SUPPLY A, 125/250 VDC POWER SUPPLY B, 16 10/100BASE-T PORTS, RACK MOUNT, KEY CODE R05H
13	CS115I	1	HUBBELL	SWITCH, SINGLE POLE, 15A, 120/277 VOLTS
14	CR15I	1	HUBBELL	RECEPTACLE, DUPLEX, 120 VAC, 15A, IVORY.
15	58361 1/2	2	THOMAS	HANDY BOX, 2" X 4", 1-7/8" DEPTH, 1/2" KNOCKOUTS
16	58 C 30	1	HUBBELL	COVER PLATE, FOR SINGLE TOGGLE SWITCH, FITS ON 2" X 4" HANDY BOX
17	58 C 7	1	THOMAS	COVER PLATE, FOR SINGLE DUPLEX RECEPTACLE, GALVANIZED, FITS ON 2" X 4" HANDY BOX
18	NUD8818/30W	1	NORA LIGHTING	LED LIGHT FIXTURE, 18", 120V, 11W
19	2814M0	2	SEL	TRANSCIVER, SEL-2814, EIA-232 TO MULTIMODE FIBER CONVERTER, MALE DB-9 CONNECTOR, KEY CODE 1190
20	C808G020SSX0015	2	SEL	CABLE, MULTIMODE FIBER OPTIC, ST CONNECTOR ON BOTH ENDS, WATERPROOF HEAVY DUTY JACKETED 2 FIBERS, 15 M, KEY CODE 7150
21	CA605CAX006	9	SEL	SEL-CA605 CAT 5E ETHERNET CABLE, GRAY, 6 FEET IN LENGTH, KEY CODE 3883
22	C972-010	1	SEL	CABLE, IIRIG-B, 10 FT, KEY CODE 1827
23	C953-006	2	SEL	CABLE, COAX, RG58 WITH BNC CONNECTORS ON BOTH ENDS, 6 FEET, KEY CODE 1825
24	C953-015	2	SEL	CABLE, COAX, RG58 WITH BNC CONNECTORS ON BOTH ENDS, 15 FEET, KEY CODE 1831
25	C953-55	2	SEL	CABLE, COAX, RG58 WITH BNC CONNECTORS ON BOTH ENDS, 55 FEET
26	FRXG-001-001-001	1	ABB	TEST SWITCH, FT-19R, ARRANGED AS (P P P P P P P P P P) (P P P P P P P P P P) (P P P P P P P P P P), 3RU LO SWITCHES, STEEL, ANSI 61 GRAY, SCREW TERMINALS, FULL CLEAR COVER
27	C960-075	1	SEL	SEL-C960 COAXIAL CABLE, TNC CONNECTORS, 75 FT.
28	C961-075	1	SEL	SEL-C961 COAXIAL CABLE, TNC CONNECTORS, 75 FT.
29	CA605CAX010	1	SEL	SEL-CA605 CAT 5E ETHERNET CABLE, GRAY, 10 FEET IN LENGTH, KEY CODE 3867



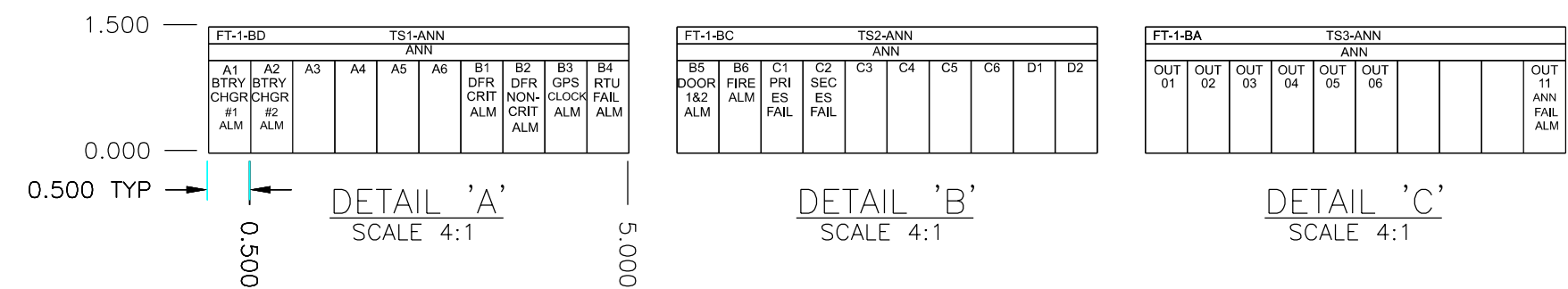
SECTION A-A

FRONT VIEW

☐ BLANK PLATE COVERPLATE/BLANK MOUNTING PLATE
REQUIRED FOR FUTURE EQUIPMENT

SECTION B-B

BILL OF MATERIALS				
ITEM	STYLE NUMBER	QTY	MFR	DESCRIPTION
1	252301H23A0A0XX	1	SEL	ANNUNCIATOR, SEL-2523, STANDARD FIRMWARE, 125/250 VDC OR VAC POWER SUPPLY, TWO EIA-232 REAR PORTS, ONE EIA-232 FRONT PORT, HORIZONTAL, PANEL MOUNT, 5RU, KEY CODE 7533
2	24880RAA1181BX23X	1	SEL	SEL-2488 SATELLITE-SYNCHRONIZED NETWORK CLOCK - SEL TYPE 2488, HORIZONTAL RACKMOUNTED, GPS/OLONASS ANTENNA (SEL-9524B), 50FT LMR-400 CABLE (SEL-C961-050), GAS TUBE COAXIAL SURGE PROTECTOR AND MOUNTING KIT (915900139), 25FT LMR-400 CABLE (SEL-C961-025), ANTENNA PIPE-MOUNTING KIT (915900043) STYLE 24880RAA1181BX23X
3	3350#MYD3	2	SEL	REAL-TIME AUTOMATION CONTROL, SEL-3350, Intel Atom E5-3940 Quad Core, 1.6 GHz, 8 GB, SEL Real-Time Automation Controller (RTAC), Horizontal 3U Rack Mount, two 125-250VDC power supplies, SSD Slot 1 SLC 64 GB Industrial Grade SSD, SSD Slot 2 None, Expansion Slot 1 Serial Expansion Board, 32 RJ45 Ports, 32 RJ-45 10/100/1000 Mbps, 2 SFP Fiber, two (2) SFP 100BASE-FX (1310 nm, Multimode, 2 km), Web Human Machine Interface
4	2902#LE5E	1	SEL	SEL-2902 RJ45 TO DB-9 ADAPTER PANEL, ADJUSTABLE RACK MOUNT
X1	91610054	1	SEL	19" TOUCHSCREEN MONITOR, DISPLAY PORT/VGA, WITH A 19" RACK MOUNT BRACKET AND 120/240 VAC 125/250 VDC POWER SUPPLY
X2	91610049	1	SEL	RACK MOUNT USB KEYBOARD WITH DRAWER AND INTEGRATED TRACKBALL
X3	2240#C6VE	1	SEL	SEL-AXION 2240, Standard Overlay, 19-inch Rack Mount, SEL-2243 Power Coupler 125/250VDC slots A & B with 10100BASE-T, Slot C SEL-2244-2 Digital Input Module, Slot D SEL-2244-3 Digital Output Module, Slot E SEL-2245-2 DC Analog Input Module, Slot F SEL-2245-3 DC Analog Output Module



NO.	REVISIONS TO DRAWING	BY	DATE	APPROVED	NO.	REVISIONS TO DRAWING	BY	DATE	APPROVED	ENGINEERING	BY	DATE
0	MILLER SUBSTATION INSTALLATION	SMD	08/2025	RPB						DESIGNED	PMD	01/2025
										CHECKED		
										APPROVED	RCH	01/2025
										DRAFTING	BY	DATE
										PRELIMINARY		
										FINAL DESIGN		
										PLOTTED	SMDHURJ	4/11/25

**PRELIMINARY - NOT
FOR CONSTRUCTION**

MILLER SUBSTATION

PANEL 10 LAYOUT

INTEGRATION PANEL 10

TELECOMMUNICATIONS #####



JEA
BUILDING COMMUNITIES

IGN_FILENAME:

WING NO.:

ET NO.

IFB NO