

ACCESS TO: Front Only	PHASE: 3P4W	
CLASS: 2	AMPERE: 2000A	CODE: AS PT COMPT
LABEL: U/L SE	BUS MTL: Al 750A/in ²	UTILITY PER EUSERC PG. 322, 330
VOLTAGE: 480/277V	PLATE: Tin Plate	METER PER EUSERC PG. 332, 326
STYLE: ReliaGear	RATING: Fully Rated	UGPS PER PG 345
BUS BRACING (RMS SYM): 65000A		LUG LANDING PER 347
DEV.MIN.INT.RATING (RMS SYM): 65000A		

SwitchBoard / Device Information

Circuit No.	Device	Trip Amps	Sensor Amps	Poles	Nameplates	Lugs/Cable Size	Notes
1	FBN6	15	-	1		(1) - #14 - #10 AWG CU - Mech. AL	16
2	XT5H	600	-	3		(2) - 2/0 - 250 MCM AL - Mech. AL	19,20,21
3	XT5H	600	-	3		(2) - 2/0 - 250 MCM AL - Mech. AL	19,20,21
4	XT5H	600	-	3		(2) - 2/0 - 250 MCM AL - Mech. AL	19,20,21
5	XT5H	600	-	3		(2) - 2/0 - 250 MCM AL - Mech. AL	19,20,21
6	XT5H	600	-	3		(2) - 2/0 - 250 MCM AL - Mech. AL	19,20,21
7	XT5H	600	-	3		(2) - 2/0 - 250 MCM AL - Mech. AL	19,20,21
8	FBN6	15	-	1		(1) - #14 - #10 AWG CU - Mech. AL	16
Main	E2.2SF	2000	2000	3			12,13,14,15,17,18,22,23,24,25,28,29,30,31,32,33

NOTES:

- Switchboard furnished with a rainproof TYPE 3R (non-walk-in) enclosure.
NOTE: See plan view for details. Need additional 1 inch space clearance on top and 1.5 inch clearance on the rear of the swbd.
- Equipment ground bus furnished with lugs.
- Switchboard qualified for Seismic Ratings per publication DET-463 and OSP-0044-10.
- Switchboard furnished with section space heaters.
- Switchboard furnished with thermostat control for section space heaters.
- Switchboard furnished with lightning arrestor.
- Switchboard furnished with hinged gutter covers.
- Switchboard furnished with fully rated panel.
- EUSERC utility section(s) furnished with handles and sealing provisions per EUSERC specifications.
- INSTALLATION NOTE: Caution: If switchboard is installed on a housekeeping slab greater than 2-1/2" the meter may be over the 6'3" maximum allowable meter height. Consult Utility if you need more information.
- Shipping splits as indicated, ship sections separated and joined as indicated.
- Device is 100 percent rated.
- Device furnished with 120V electric operator.
- Device is furnished with integral ground fault protection
- Device is furnished with RELT (Reduced Energy Let Through).
- Device furnished with padlocking provisions.
- Device requires RELT or ZSI feature if Authority having jurisdiction has adopted NEC 2014 code requirements.
- Device Furnished with Ekip Hi-Touch (LSIG) Programmer.
- Device Furnished with (1) Open/close 250V AC/DC Auxiliary Contact + (1) Trip Signaling 250V AC/DC Auxiliary Contact.
- Device Furnished with PII Fixed Padlock - Open
- Device Furnished with Thermal-Magnetic Adjustable Trip.
- Device furnished with (4Q) Auxiliary Contacts - 24V
- Device furnished with (YR) Remote Reset - 110V AC/DC
- Device furnished with (YC) Closing Coil - 110-120V AC/DC
- Device furnished with (YO) Opening Coil - 110-120V AC/DC
- Estimated total factory connected wiring points for the lineup 89.
- Estimated shipping weight for the lineup is 2876 lbs.
- Device furnished with DC Supply - 24V - 48V
- Device furnished with Ekip Com Modbus TCP/IP
- Device furnished with RELT-Ekip Signalling 2K3
- Device furnished with Charging motor/Ekip com actuator - 100-130V AC

PROJECT NAME :

CUSTOMER:



Industrial
Solutions by ABB

DRAWING TITLE: Device Information

CREATED BY:

DATE: 09/22/2022 12:18:33

REVISION NO.: 57

PRODUCT NAME:

ReliaGear
Switchboard

DRAWING NO:

ITEM NO: 1

MARKS:

QUOTE NO:

SHEET: 1 of 4

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Switchboard / Device Information

NOTES: (continued)

32. Device furnished with Padlock in open position
33. Device furnished with 1% accuracy Measuring Package
34. Miscellaneous Add-Ons:

1 MOXA UC-3111-T-US-LX-QTC-ABB, 2904-0641-001

1 SOLA POWER SUPPLY

1 1KVA UPS (needs 14H cover)

1 MOXA LPS69273NT-61SMAM antenna and RG58U-12-SMSF antenna cable

1 // ADD HUMISTAT TO HEATER CIRCUIT

1 Use port switch 2804-0726-001 SDS-3016-2GTX

35. Due to the presence of Miscellaneous Add-Ons, please review drawings with the factory to ensure accuracy

36. Drawing Notes:

NEMA 3R to have rearward sloping roof. Insect screens on NEMA 3R enclosure over vent openings

Switchboard Doors: Open 90 degrees, can do split doors for 35" wide and wider sections

Factory installed 120V GFI 20A receptacle, need wire rated for 20Amp, behind any NEMA 3R doors

Ekip Com to be Modbus TCP/IP over CAT 5/6 cable, feeders STA

Breaker logic needs to be outage resilient, meaning breakers need to be able to communicate

status even in the event of an outage or after opening or trip. Provide UPS to accomplish.

Use UPS for control power ride through on utility main due to reverse power shut off.

Provide dual rated CU/AL lugs on the branch breakers.

All doors to be split doors

Width: 2000A main breaker section 30" wide when combined with utility doors

Depth: 2000A depth 35"

Please consolidate all X filler to the top of the distribution panel

37. As a result of Drawing Notes, this product may require modification to reflect correct footprint, price, cycle or UL certification.

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Industrial
Solutions by ABB

DRAWING TITLE: Device
Information

CREATED BY:

DATE: 09/22/2022 12:18:33

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ReliaGear
Switchboard

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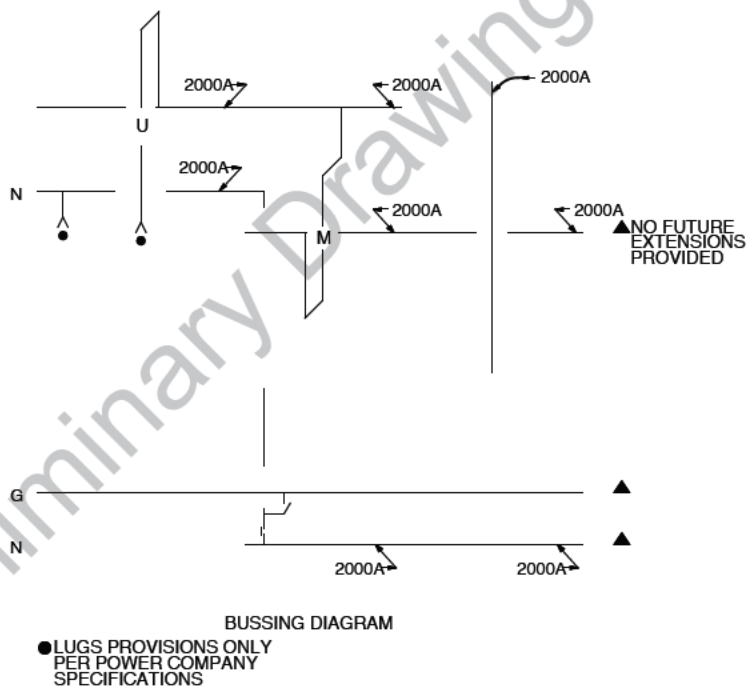
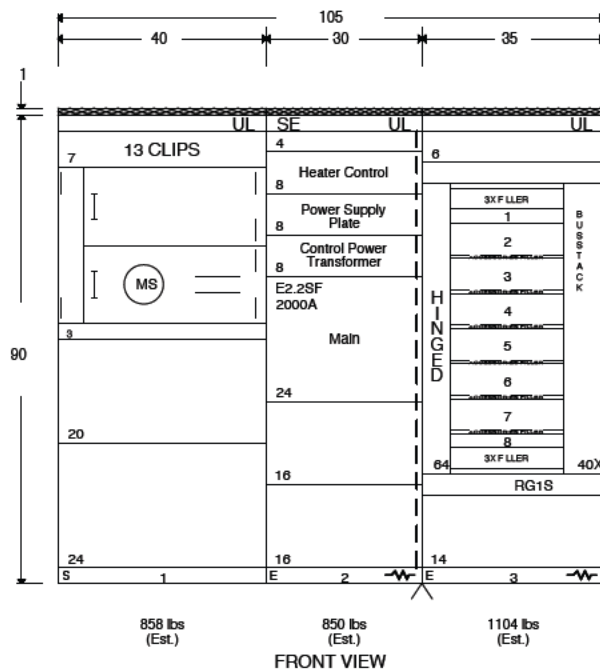
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2 of 4

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DEV.MIN.INT.RATING (RMS SYM):	85000A	



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 CUSTOMER:



DRAWING TITLE: Front View/
 Bussing
 CREATED BY:
 DATE: 08/22/2022 12:18:33
 REVISION NO.: 57

PRODUCT NAME:
 ReliaGear
 Switchboard

DRAWING NO:
 ITEM NO: 1
 MARKS:
 QUOTE NO:
 SHEET: 3 of 4

2.5

3.12

CONDUIT SPACE
(TYPICAL ALL SECTIONS)

.625 DIA
(TYP)

