

Bill of Material(s)

Item No.	Quantity	Description
1	1	Switchboard, ReliaGear AV2 Marks: [REDACTED]
		3 Section(s) Service Entrance Estimated Shipping Weight:3055 lbs
1		Service Entrance Labeling 3P4W/480/277V/60Hz 2000A 65 kAIC Fully Rated Incoming Feed: Bottom Incoming Right Feeding Left Type 3R (non-walk-in) Enclosure Front/Rear Lineup Front Only Access
1		Hinged Wire Gutter Cover
1		ReliaGear Switchboard Lineup Estimated total factory connected wiring points for the lineup 52
1		Group Mounted Feeder ReliaGear Panel Section 40W 45D 90H (Est.) lbs 1126
1		Evolution Main Section 35W 45D 90H (Est.) lbs 983
1		Hot Utility Section 40W 45D 90H (Est.) lbs 886
3		Bus Bracing 65000 AIC
2		Evolution - Fully Rated Aluminum Bus 750 A/Sq. in.
1		Spectra - Fully Rated Aluminum Bus 750 A/Sq. in.
3		Ground: Equipment U/L With Lugs
3		Seismic Rating
1		Lightning Arrestor
2		Space Heater 120 Volt
2		Full Height Side Barriers
		Utility
1		2000A Utility Compartment - [REDACTED]
1		1 Meter Socket(s) 4W
		Main Breaker
1		2000A 3 Pole E2.2SF 100% Rated (2000A Frame) Indiv. Mtd. Main Manually Operated MAIN Programmer(EKIP Touch) LSIG
1		RELT
1		RELT-EKIP SIGNALLING 2K3
1		DC SUPPLY - 24V - 48V
1		(4Q) AUXILIARY CONTACTS - 400V
1		PADLOCK IN OPEN POSITION
1		(YC) CLOSING COIL - 110-120V AC/DC
1		(YO) OPENING COIL - 110-120V AC/DC
		Feeders
1		800A 3 Pole XT7H1000 SPACE
1		Manually Operated Programmer (EKIP Touch) LSIG
4		600A 3 Pole XT5H600 (600A Frame)
4		Manually Operated Programmer (TMA/TMD) LI
4		PLL FIXED PADLOCK - OPEN
8		Mechanical AL Load Lugs
1		15A 3 Pole XT1H125 (125A Frame)

Bill of Material(s)

Item No.	Quantity	Description
	1	Manually Operated Programmer (TMF) LI
	1	PLL FIXED PADLOCK - OPEN
	1	Mechanical AL Load Lugs
	1	15A 2 Pole FBN6 (100A Frame)
	1	Manually Operated Programmer (None)
	1	EUSERC PADLOCK PROVISION
	1	Mechanical AL Load Lugs
	2	15A 1 Pole FBN6 (100A Frame)
	2	Manually Operated Programmer (None)
	2	EUSERC PADLOCK PROVISION
	2	Mechanical AL Load Lugs
		Monitoring/Control Devices
	1	Power Supply Plate - 10A
	1	Power Supply Plate
	1	Thermostat Control
	1	Control Power Transformer (Section Heater)
	1	Humidistat Control
	1	Control Power Transformer
		Others
	10	Engraved Nameplates
	10	Screw-On Nameplates
		Others
	1	Lifting Brackets
	1	Reliagear (C/B feeders only) 40X Bus Stack
	8	Neutral Lugs
	4	Neutral Lugs
	1	Bonding Jumper
	21	Equipment Ground Lugs
	1	Ground Lug
		Miscellaneous Add Ons:
	1	NEMA 3R Control Power XFMR 3kVA for 15A Receptacles (Old NEMA 3R Design Required) (Refer to Factory For Sizing) (Per Receptacle)
	2	Upsize to 3000A phase bus
	2	Upsize to 3000A neutral bus

ACCESS TO: Front Only	PHASE: 3P4W	
CLASS: 2	AMPERE: 2000A	CODE: PO PT COMPT
LABEL: U/L SE	BUS MTL: Al 750A/in ²	UTILITY PER EUSERC PG. 322
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	-	2		(1) - #14 - #10 AWG CU - Mech. AL	17
2	XT5H	600	-	3		(2) - 300 - 500 MCM AL - Mech. AL	21,23
3	XT5H	600	-	3		(2) - 300 - 500 MCM AL - Mech. AL	21,23
4	XT7H	800	1000	3	(SPACE AND BUS)	(4) - 4/0 - 500 MCM AL - Mech. AL	14,16,19,20,24
5	XT5H	600	-	3		(2) - 300 - 500 MCM AL - Mech. AL	21,23
6	XT5H	600	-	3		(2) - 300 - 500 MCM AL - Mech. AL	21,23
7	XT1H	15	-	3		(1) - #10 - 2/0 AWG CU - Mech. AL	21,22
8	FBN6	15	-	1		(1) - #14 - #10 AWG CU - Mech. AL	17
9	FBN6	15	-	1		(1) - #14 - #10 AWG CU - Mech. AL	17
Main	E2.2SF	2000	2000	3			13,14,15,18,20,25,26,27, 30,31,32

- 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.
 - Switchboard furnished with Humidistat for section space heaters.
 - Device is 100 percent rated.
 - Device is furnished with integral ground fault protection.
 - Device is furnished with RELT (Reduced Energy Let Through).
 - 3 wire GROUND FAULT Load.
 - Device furnished with padlocking provisions.
 - Device requires RELT or ZSI feature if Authority having jurisdiction has adopted NEC 2014 code requirements.
 - Lugs not furnished with SPACE AND BUS.
 - Device Furnished with Ekip Touch (LSIG) Programmer.
 - Device Furnished with PII Fixed Padlock - Open
 - Device Furnished with Thermal-Magnetic Fixed Trip.
 - Device Furnished with Thermal-Magnetic Adjustable Trip.
 - Device programmer LT target set @ 0.8 for 800A trip.
 - Device furnished with (4Q) Auxiliary Contacts - 400V
 - 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 52.
 - Estimated shipping weight for the lineup is 3055 lbs.
 - Device furnished with DC Supply - 24V - 48V
 - Device furnished with RELT-Ekip Signalling 2K3
 - Device furnished with Padlock in open position

PROJECT NAME : [REDACTED]		DRAWING TITLE: Device Information	PRODUCT NAME:	DRAWING NO:
CUSTOMER: [REDACTED]		CREATED BY: [REDACTED]	ReliaGear	ITEM NO: 1
		DATE: 2/9/2024	Switchboard	MARKS: [REDACTED]
		REVISION NO.: 72		QUOTE NO: [REDACTED]
				SHEET: 1 of 4

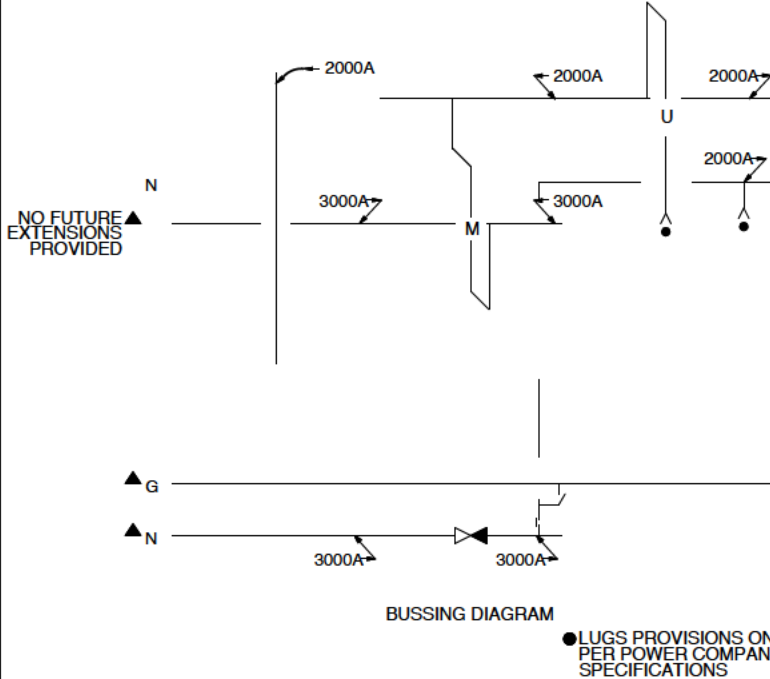
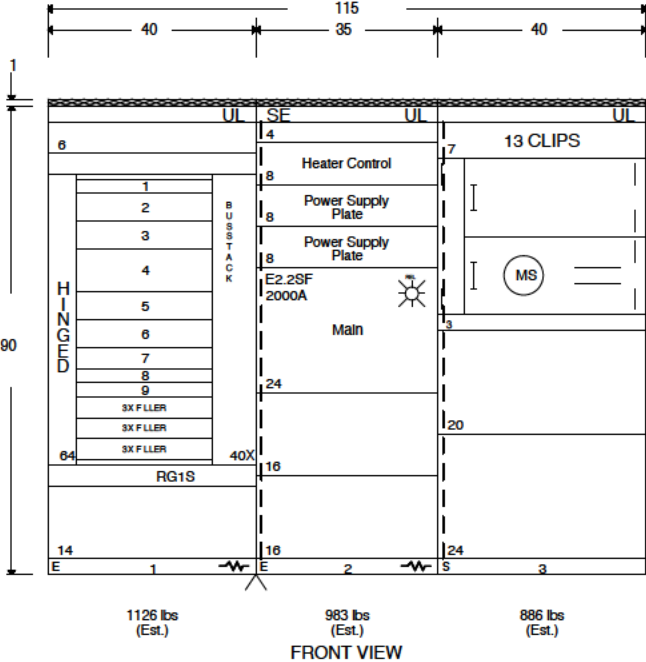
ACCESS TO: Front Only	PHASE: 3P4W	
CLASS: 2	AMPERE: 2000A	
LABEL: U/L SE	BUS MTL: Al 750A/in ²	CODE: PO PT COMPT
VOLTAGE: 480/277V	PLATE: Tin Plate	UTILITY PER EUSERC PG. 322
STYLE: ReliaGear	RATING: Fully Rated	METER PER EUSERC PG. 332, 326
BUS BRACING (RMS SYM): 65000A		UGPS PER PG 345
DEV.MIN.INT.RATING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

Switchboard / Device Information

33. Miscellaneous Add-Ons:
- 1 NEMA 3R Control Power XFMR 3kVA for 15A Receptacles (Old NEMA 3R Design Required) (Refer to Factory For Sizing) (Per Receptacle)
 - 2 Upsize to 3000A phase bus
 - 2 Upsize to 3000A neutral bus
34. Due to the presence of Miscellaneous Add-Ons, please review drawings with the factory to ensure accuracy.
35. 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
- Provide dual rated CU/AL lugs on the branch breakers.
- All doors to be split doors
- Depth: 2000A depth 35"
- Horizontal and neutral bus to be 3000A for 2000A Main breaker
- Main breaker section to be 30" wide
36. As a result of Drawing Notes, this product may require modification to reflect correct footprint, price, cycle or UL certification.

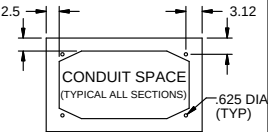
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CUSTOMER: [REDACTED]		CREATED BY: [REDACTED]	ReliaGear	ITEM NO: [REDACTED] 1
		DATE: 2/9/2024	Switchboard	MARKS: [REDACTED]
		REVISION NO.: 72		QUOTE NO: [REDACTED]
				SHEET: 2 of 4

ACCESS TO: Front Only	PHASE: 3P4W	
CLASS: 2	AMPERE: 2000A	CODE: PO PT COMPT
LABEL: UL SE	BUS MTL: Al 750A/in ²	UTILITY PER EUSERC PG. 322
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):	85000A	LUG LANDING PER 347
DEV.MIN.INT.RATING (RMS SYM):	85000A	

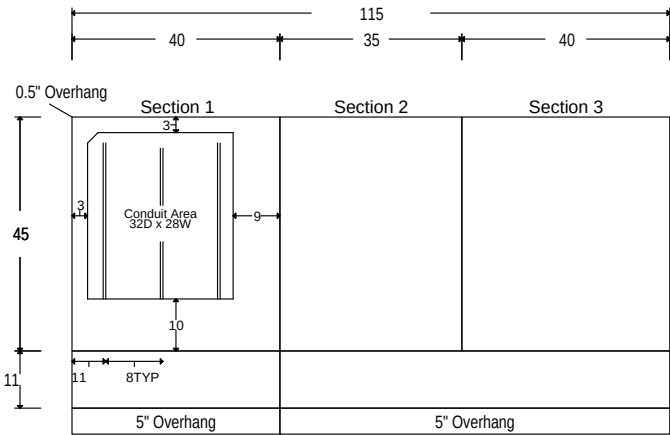


PROJECT NAME :		DRAWING TITLE: Front View/ Bussing	PRODUCT NAME:	DRAWING NO:
CUSTOMER:		CREATED BY:	ReliaGear	ITEM NO:
		DATE: 2/9/2024	Switchboard	MARKS:
		REVISION NO.: 72		QUOTE NO:
				SHEET: 3 of 4

ACCESS TO: Front Only	PHASE: 3P4W	
CLASS: 2	AMPERE: 2000A	
LABEL: U/L SE	BUS MTL: Al 750A/in ²	CODE: PO PT COMPT
VOLTAGE: 480/277V	PLATE: Tin Plate	UTILITY PER EUSERC PG. 322
STYLE: ReliaGear	RATING: Fully Rated	METER PER EUSERC PG. 332, 326
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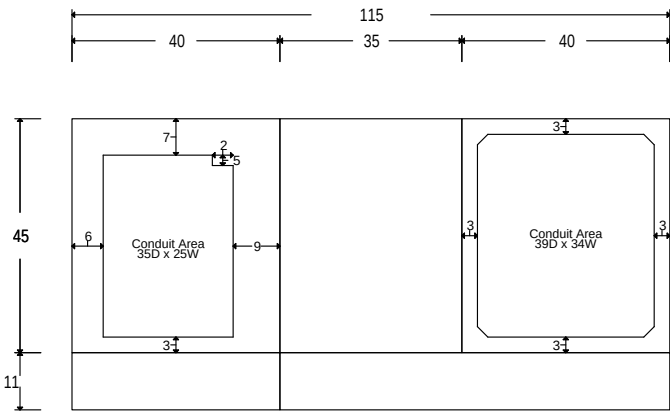


Top Conduit Area



Front Plan View

Bottom Conduit Area



Front Plan View

PROJECT NAME : [REDACTED]		DRAWING TITLE: Conduit View	PRODUCT NAME:	DRAWING NO:
CUSTOMER: [REDACTED]		CREATED BY: [REDACTED]	ReliaGear	ITEM NO: 1
		DATE: 2/9/2024	Switchboard	MARKS: [REDACTED]
		REVISION NO.: 72		QUOTE NO: [REDACTED]
				SHEET: 4 of 4