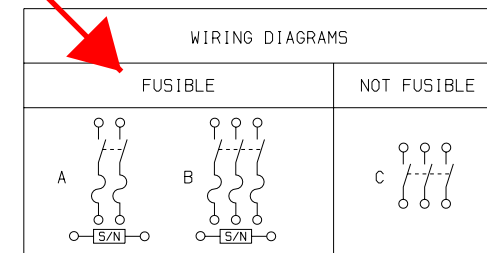
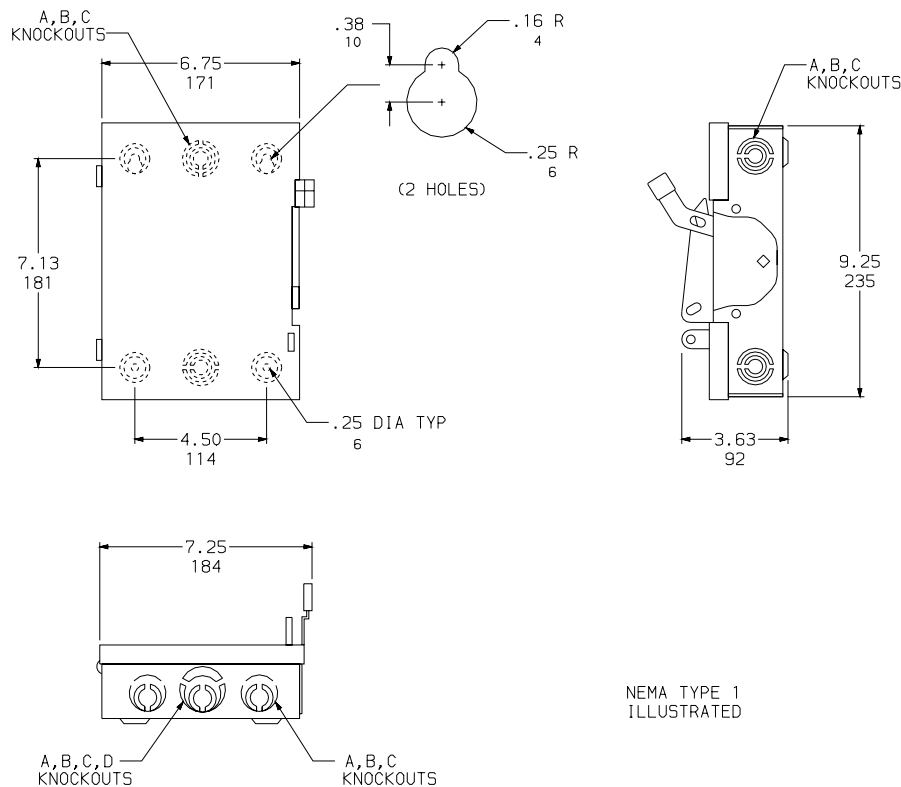


Q2C Number: 37999262**Quote Number:** 3**Revision Number:** 0**Project Name:** WEBSTER UNIVERSITY ISB**Quote Name:** REVISED PER ADD #2

Item No.	Qty.	Catalog Number / Details
<u>SAFETY SWITCHES</u>		
113-00	5	Designation: UH-001,002,101,102,103 D211N SWITCH FUSIBLE GD 120/240V 30A 2P PLUG
114-00	1	H365 SWITCH FUSIBLE HD 600V 400A 3P NEMA 1
116-00	8	HU361 SWITCH NOT FUSIBLE HD 600V 30A 3P NEMA1
117-00	2	H361 SWITCH FUSIBLE HD 600V 30A 3P NEMA1
118-00	3	HU362 SWITCH NOT FUSIBLE HD 600V 60A 3P NEMA1



TERMINAL LUGS†			
AMPERES	MAX. WIRE #	MIN. WIRE #	TYPE
30	# 6 AWG	# 12 AWG	AL
	# 6 AWG	# 14 AWG	CU

KNOCKOUTS				
SYMBOL	A	B	C	D
CONDUIT SIZE	.50	.75	1	1.25

NOTES: FINISH - GRAY BAKED ENAMEL ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.
 UL LISTED - FILE E-2875
 ALL NEUTRALS - INSULATED GROUNDABLE
 SUITABLE FOR USE AS SERVICE EQUIPMENT
 SHORT CIRCUIT CURRENT RATINGS:
 • 10,000 AMPERES.
 10,000 AMPERES WHEN USED WITH OR PROTECTED BY CLASS H OR K FUSES.
 100,000 AMPERES WITH CLASS R FUSES.
 * FOR CORNER GROUNDED DELTA SYSTEMS.
 ■ PLUG FUSES
 † LUGS SUITABLE FOR 60°C OR 75°C CONDUCTORS.

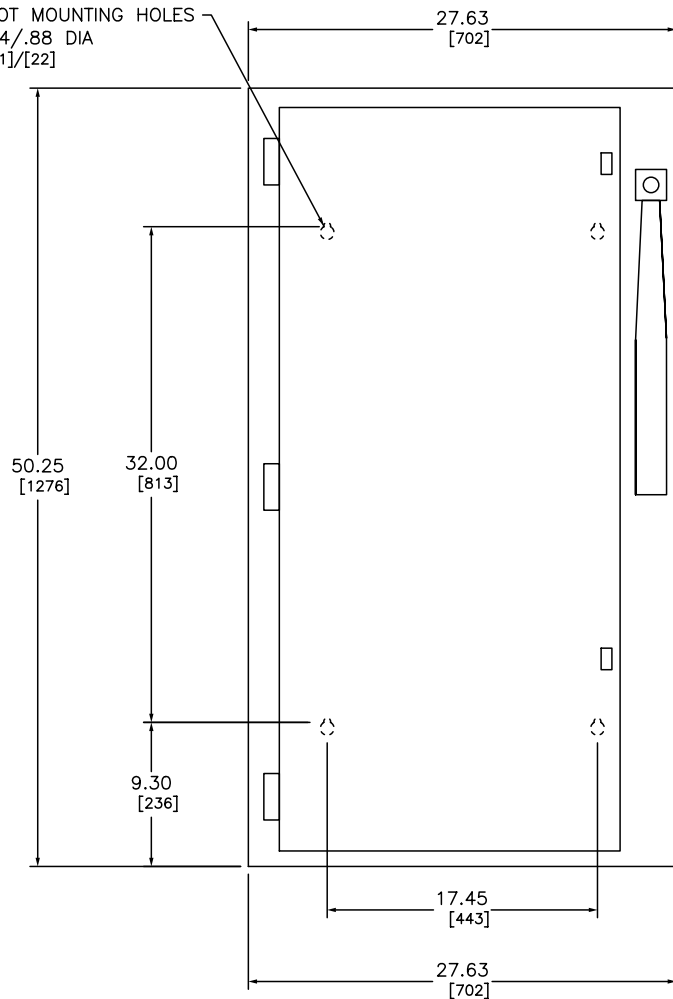
CATALOG NUMBER	VOLTAGE RATINGS	WIRING DIAG.	HORSEPOWER RATINGS					
			120VAC		240VAC			
			STD.	MAX.	STD.	MAX.	STD.	MAX.
D211N ■ ■	240VAC	A	1/2	2	1 1/2	-	3	-
D221N ■ ■	240VAC	B	-	-	1 1/2	3*	3	7 1/2*
D321N	240VAC	C	-	-	1 1/2	-	3	7 1/2
DUS21	240VAC		-	-	-	-	-	-

GENERAL DUTY SAFETY SWITCHES
 VISIBLE BLADE TYPE
 30 AMPERE
 ENCLOSURE - NEMA TYPE 1 GENERAL PURPOSE

SQUARE D COMPANY

DWG. NO. 1851

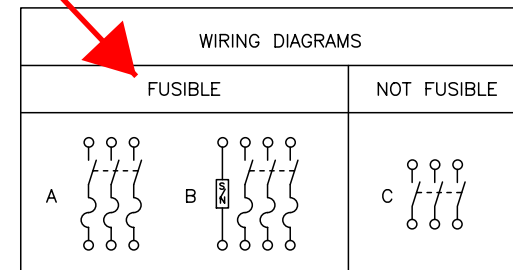
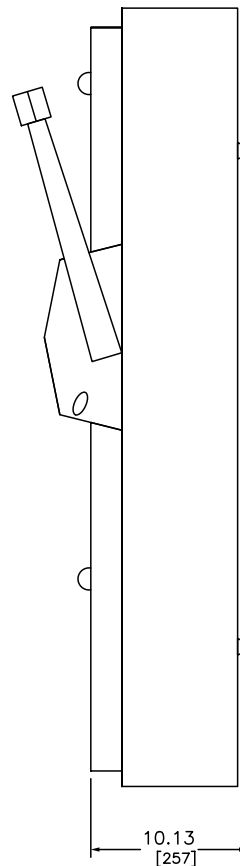
KEYSLOT MOUNTING HOLES
(4) .44/.88 DIA
[11]/[22]



NEMA TYPE 1
NO KNOCKOUTS

NOTES:
FINISH - GRAY BAKED ENAMEL
UL LISTED - FILE E-154828
ALL NEUTRALS - INSULATED GROUNDABLE
SUITABLE FOR USE AS SERVICE EQUIPMENT
SHORT CIRCUIT CURRENT RATINGS:

10,000 AMPERES WHEN USED WITH OR PROTECTED BY CLASS H OR K FUSES.
200,000 AMPERES WHEN USED WITH OR PROTECTED BY CLASS R FUSES HAVING
CLASS R REJECTION KITS INSTALLED OR CLASS J FUSES.



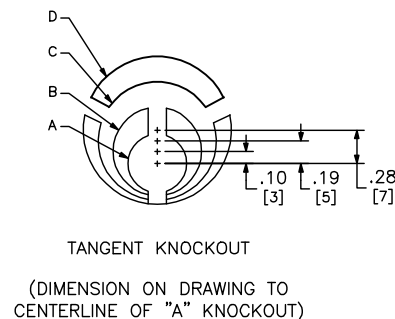
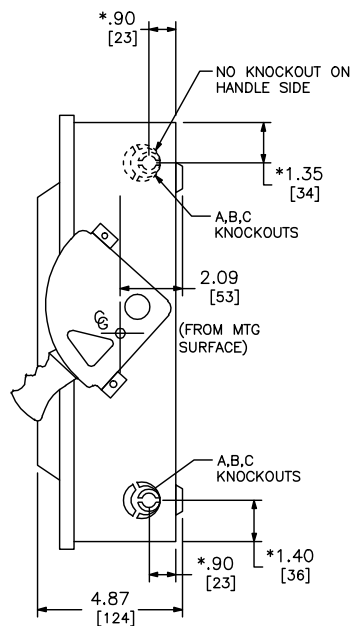
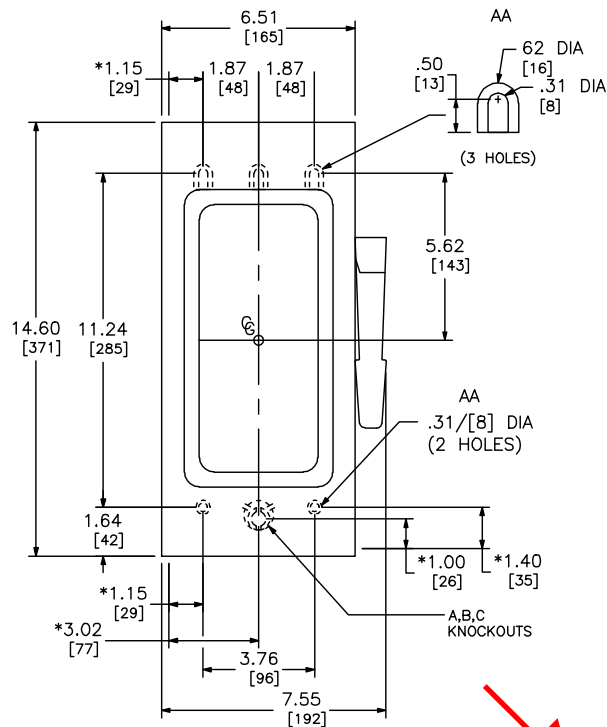
TERMINAL LUGS DATA			
AMPERES	MAX. WIRE	MIN. WIRE	TYPE
400	(1) 750 KCMIL OR	(1) #1/0 AWG OR	AL OR CU
	(2) 300 KCMIL	(2) #1/0 AWG	

CATALOG NUMBER		VOLTAGE RATINGS	WIRING DIAG.	HORSEPOWER RATINGS					
				240VAC		480VAC		600VAC	
				MAX.	STD.	MAX.	STD.	MAX.	250 VDC
H365		600VAC;250VDC	A	-	100	250	125	350	50
H365N		600VAC	B	-	100	250	125	350	-
HU365		600VAC;250VDC	C	125	-	250	-	350	50

HEAVY DUTY SAFETY SWITCHES
VISIBLE BLADE TYPE
400 AMPERE
ENCLOSURE - NEMA TYPE 1 GENERAL PURPOSE

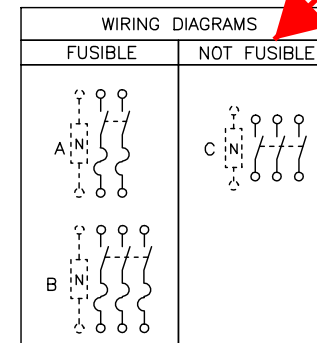


DWG# 1922
NO.



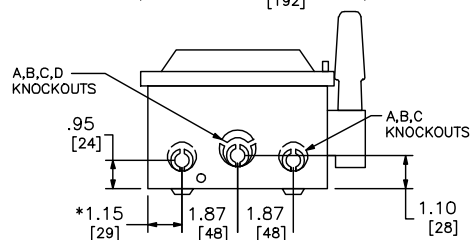
NEMA TYPE 1

SEISMIC NOTES:
USE (4) 1/4" DIA GRADE 5 STEEL MOUNTING BOLTS @ HOLES AA
MAX CONFIGURED WEIGHT 10 LB FOR THE PURPOSE OF DETERMINING
SEISMIC ANCHORAGE REQUIREMENTS. FOR ALL OTHER APPLICATIONS,
CONTACT SQUARE D COMPANY.



TERMINAL LUGS			
AMPERES	MAX WIRE	MIN WIRE	TYPE
30	#6 AWG	#14 AWG	AL OR CU

KNOCKOUTS				
SYMBOL	CONDUIT SIZE		DIAMETER	
	IN	MM	IN	MM
A	.50	13	.88	22
B	.75	19	1.13	29
C	1.00	25	1.38	35
D	1.25	32	1.75	44



*DIMENSIONS TO BOX (NOT COVER)

DUAL DIMENSIONS: INCHES
MILLIMETERS

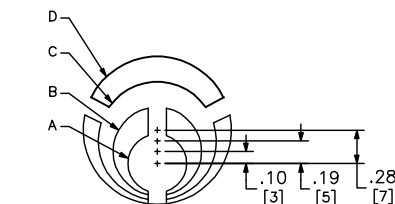
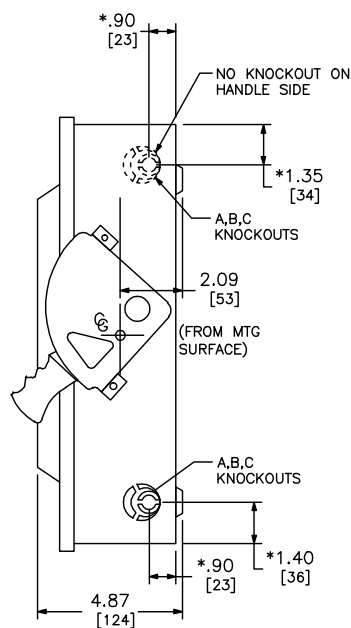
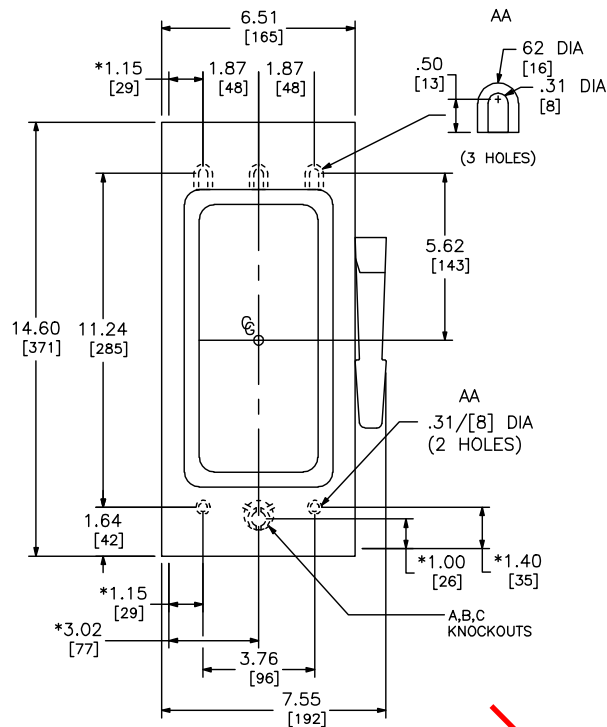
NOTES:
UL LISTED - E2875
FINISH - GRAY BAKED ENAMEL
ALL NEUTRALS - INSULATED
▲ USE BOTH OUTER SWITCHING POLES
● USE BOTH SWITCHING POLES
■ IF CORNER GROUNDED DELTA, INSTALL NEUTRAL AND USE OUTER SWITCHING POLES
FOR UNGROUNDED CONDUCTORS.
± FOR CORNER GROUNDED DELTA ONLY, USE OUTER SWITCHING POLES FOR UNGROUNDED CONDUCTORS.

CATALOG NUMBER	VOLTAGE RATINGS	AMPERAGE RATINGS	WIRING DIAG	HORSEPOWER RATINGS													
				240VAC				480VAC				600VAC				250 VDC	
				STD		MAX		STD		MAX		STD		MAX		STD	MAX
				1#	3#	1#	3#	1#	3#	1#	3#	1#	3#	1#	3#		
H221N	240VAC,250VDC	30	A	1 1/2●	3±	3●	7 1/2±	-	-	-	-	-	-	-	-	5▲	-
H321N	240VAC,250VDC	30	B	1 1/2▲	3±	3▲	7 1/2±	-	-	-	-	-	-	-	-	5▲	-
H361	600VAC,600VDC	30	B	-	-	-	-	3▲	5■	7 1/2▲	15■	-	-	7 1/2	-	20	5▲
H361N	600VAC,600VDC	30	B	-	-	-	-	3▲	5±	7 1/2▲	15±	-	-	7 1/2	-	20	5▲
HU361	600VAC,600VDC	30	C	-	-	5▲	10■	-	-	7 1/2▲	20■	-	-	10▲	30	-	5▲
HU361EI	600VAC,600VDC	30	C	-	-	5▲	10■	-	-	7 1/2▲	20■	-	-	10▲	30	-	5▲

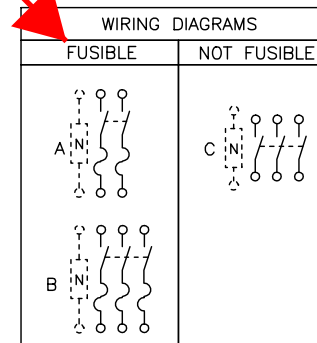
HEAVY DUTY SAFETY SWITCHES - SEISMIC
VISIBLE BLADE TYPE
30 AMPERE
ENCLOSURE - NEMA TYPE 1 GENERAL PURPOSE



DWG# 2228S
NO.



TANGENT KNOCKOUT
(DIMENSION ON DRAWING TO CENTERLINE OF "A" KNOCKOUT)

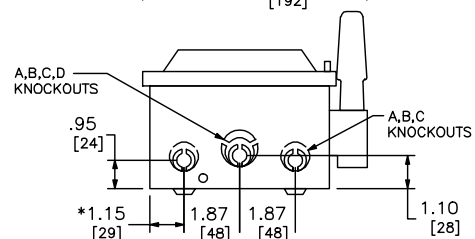


TERMINAL LUGS			
AMPERES	MAX WIRE	MIN WIRE	TYPE
30	#6 AWG	#14 AWG	AL OR CU

KNOCKOUTS				
SYMBOL	CONDUIT SIZE		DIAMETER	
	IN	MM	IN	MM
A	.50	13	.88	22
B	.75	19	1.13	29
C	1.00	25	1.38	35
D	1.25	32	1.75	44

NEMA TYPE 1

SEISMIC NOTES:
USE (4) 1/4" DIA GRADE 5 STEEL MOUNTING BOLTS @ HOLES AA
MAX CONFIGURED WEIGHT 10 LB FOR THE PURPOSE OF DETERMINING
SEISMIC ANCHORAGE REQUIREMENTS. FOR ALL OTHER APPLICATIONS,
CONTACT SQUARE D COMPANY.



*DIMENSIONS TO BOX (NOT COVER)

DUAL DIMENSIONS: INCHES
MILLIMETERS

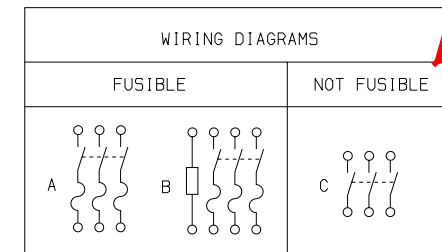
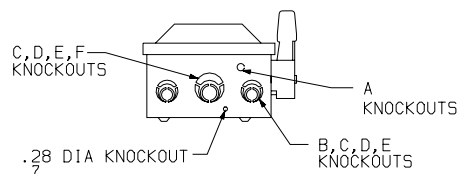
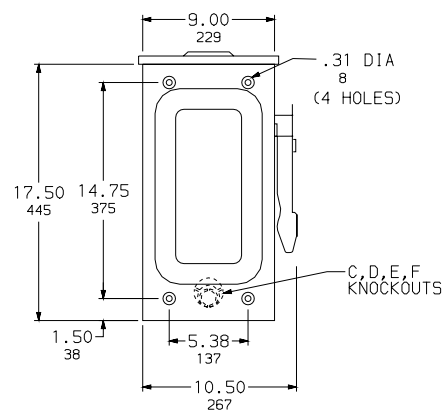
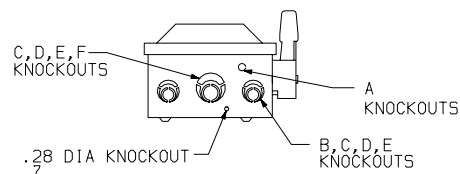
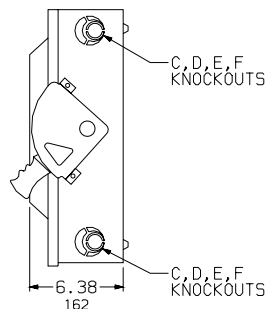
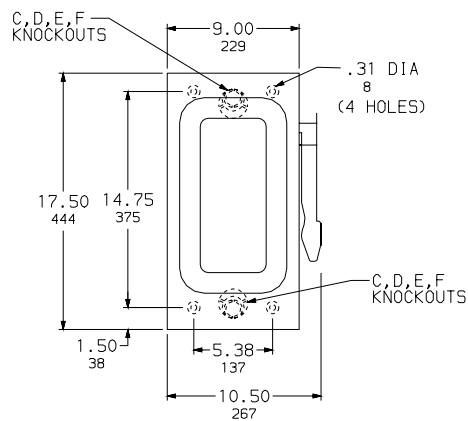
CATALOG NUMBER	VOLTAGE RATINGS	AMPERAGE RATINGS	WIRING DIAG	HORSEPOWER RATINGS											
				240VAC				480VAC				600VAC			
				STD		MAX		STD		MAX		STD		MAX	
				1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø
H221N	240VAC,250VDC	30	A	1 1/2	3	3	7 1/2	-	-	-	-	-	-	5	-
H321N	240VAC,250VDC	30	B	1 1/2	3	3	7 1/2	-	-	-	-	-	-	5	-
H361	600VAC,600VDC	30	B	-	-	-	-	3	5	7 1/2	15	-	7 1/2	20	5
H361N	600VAC,600VDC	30	B	-	-	-	-	3	5	7 1/2	15	-	7 1/2	20	5
HU361	600VAC,600VDC	30	C	-	-	5	10	-	-	7 1/2	20	-	10	30	5
HU361EI	600VAC,600VDC	30	C	-	-	5	10	-	-	7 1/2	20	-	10	30	5

NOTES:
UL LISTED - E2875
FINISH - GRAY BAKED ENAMEL
ALL NEUTRALS - INSULATED
▲ USE BOTH OUTER SWITCHING POLES
● USE BOTH SWITCHING POLES
■ IF CORNER GROUNDED DELTA, INSTALL NEUTRAL AND USE OUTER SWITCHING POLES
FOR UNGROUNDED CONDUCTORS.
± FOR CORNER GROUNDED DELTA ONLY, USE OUTER SWITCHING POLES FOR UNGROUNDED CONDUCTORS.

HEAVY DUTY SAFETY SWITCHES - SEISMIC
VISIBLE BLADE TYPE
30 AMPERE
ENCLOSURE - NEMA TYPE 1 GENERAL PURPOSE



DWG# 2228S
NO.



TERMINAL LUGS ±			
AMPERES	MAX. WIRE	MIN. WIRE	TYPE
60	# 2 AWG	# 12 AWG	AL
	# 2 AWG	# 14 AWG	CU

KNOCKOUTS				
SYMBOL	CONDUIT SIZE		DIAMETER	
	IN	MM	IN	MM
A	.50	13	.88	22
B	.75	19	1.13	29
C	1.00	25	1.38	35
D	1.25	32	1.75	45
E	1.50	38	2.00	51
F	2.00	51	2.50	64

NOTES:
 FINISH - GRAY BAKED ENAMEL
 UL LISTED - FILE E-2875
 ALL NEUTRALS - INSULATED GROUNDABLE
 SUITABLE FOR USE AS SERVICE EQUIPMENT
 SHORT CIRCUIT CURRENT RATINGS:
 10,000 AMPERES WITH CLASS H OR K FUSES.
 200,000 AMPERES WITH CLASS R FUSES HAVING CLASS R REJECTION KITS OR CLASS J FUSES.
 WHEN MOUNTING THESE SWITCHES, ALLOW 4.00 IN / 102 MM MIN. CLEARANCE BETWEEN ENCLOSURES FOR OPENING OF SIDE HINGED DOOR.
 ▲ NEMA TYPE 3R SWITCHES HAVE PROVISIONS FOR MAXIMUM 2.50 IN / 64 MM BOLT-ON B-HUB.
 ± LUGS SUITABLE FOR 60°C OR 75°C COPPER OR ALUMINUM CONDUCTORS.

DUAL DIMENSIONS: INCHES MILLIMETERS													
CATALOG NUMBER	VOLTAGE RATINGS	WIRING DIAG.	HORSEPOWER RATINGS										
			240VAC			480VAC			600VAC			250 VDC	600 VDC
			STD.	MAX.		STD.	MAX.		STD.	MAX.			
			3Ø	1Ø	3Ø	3Ø	1Ø	3Ø	3Ø	1Ø	3Ø		
H362	600VAC; 600VDC	A	-	-	-	15	-	30	15	-	50	-	30
H362RB	600VAC; 600VDC	A	-	-	-	15	-	30	15	-	50	-	30
H362N	600VAC; 600VDC	B	-	-	-	15	-	30	15	-	50	-	-
H362NDB	600VAC; 600VDC	B	-	-	-	15	-	30	15	-	50	-	-
HU362	600VAC; 600VDC	C	-	10	20	-	20	50	-	25	60	10	30
H362RB	600VAC; 600VDC	C	-	10	20	-	20	50	-	25	60	10	30

HEAVY DUTY SAFETY SWITCHES
 VISIBLE BLADE TYPE
 60 AMPERE
 ENCLOSURE - NEMA TYPE 1 GENERAL PURPOSE
 NEMA TYPE 3R RAINPROOF

SQUARE D COMPANY

DWG. NO. 1897

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
1GH1	I-LINE	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	418	Ship Together, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar, Standard Mains and Feeders Mechanically Restrained Branch User Placement Standard Nameplate: Engraved as Follows Line 1: 1GH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Surface with Door	701A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NH2	NF	480Y/277V 3Ph 4W 60Hz	22kA	Top Trim: Surface with Door	550	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NH2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Surface with Door	701A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
1NL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1NL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
1SL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 1SL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL4	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL4 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2LL5	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2LL5 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
2NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 2NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
3LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL4	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL4 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3LL5	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3LL5 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
3NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 3NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, SPD Model BIA, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
4LL2	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL2 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL3	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL3 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL4	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Top Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL4 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4LL5	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Flush with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4LL5 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4NH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553T	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4NH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4NL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,SPD Model BIA,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4NL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
4SH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	553T	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: 4SH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on
BNH1	NF	480Y/277V 3Ph 4W 60Hz	22kA	Bottom Trim: Surface with Door	554	Ship Together,Blank Endwalls,Copper Solid Neutral,Seismic Qualification - IBC/ASCE7,Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: BNH1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PANELBOARDS

THIS SECTION CONTAINS DETAILED DRAWINGS ON THE FOLLOWING PANELS:

DESIGNATION	TYPE	VOLTAGE	AIC	MOUNTING	PBA	NOTES AND REMARKS
BNL1	NQ	208Y/120V 3Ph 4W 60Hz	10kA	Bottom Trim: Surface with Door	707A	Ship Together, Blank Endwalls, Copper Solid Neutral, Seismic Qualification - IBC/ASCE7, Copper Ground Bar Standard Nameplate: Engraved as Follows Line 1: BNL1 Size: 3.50" Wide x 1.00" High (Std) Color: White Surface / Black Letters Plastic/Adhesive - Screw-on

PLEASE CONFIRM THAT THE PANEL DETAILS MATCHES THE PLANS AND SPECIFICATIONS.

ALL LUGS ON PANELBOARDS AND CIRCUIT BREAKERS ARE RATED AT 75 DEGR C.

ALL LUGS ARE SIZED PER UL STANDARDS. PLEASE CONFIRM THAT THEY ARE APPROPRIATE FOR THE QUANTITY AND SIZE OF THE CABLE BEING CONNECTED.

PLEASE CONFIRM TOP OR BOTTOM FEED, AND SURFACE OR FLUSH COVERS.

PANEL INFORMATION IS FOR ENGINEERING APPROVAL ONLY.
DO NOT USE FOR CONSTRUCTION PURPOSES.

DIMENSIONS ARE SUBJECT TO CHANGE PRIOR TO FINAL ENGINEERING FOR PRODUCTION

Q2C Number: 37999262

Quote Number: 3

Revision Number: 0

Project Name: WEBSTER UNIVERSITY ISB

Quote Name: REVISED PER ADD #2

Item No.	Qty.	Catalog Number / Details
<u>POWER MONITORING AND CONTROL</u>		
063-00	1	3090MCTAS485 NETWORK TERMINATOR POWERLOGIC COMPATIBLE

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 19, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	264000E01	(Submittal No. 264000-001) Electrical Distribution

Submittal Review Comments

Circuit breaker size and position shall match panel schedules on sheets E0503, 504, 505, & 506.

c: Kelvin Patel
Kpatel@cannondesign.com

☐ Furnish as Submitted

☐ Furnish as Noted

☐ Rejected

☒ ***Revise & Resubmit**

☐ Reviewed

☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

WTASHOP - Webster ISB - 26 4000-001

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 7/5/2016 11:40 AM
Subject: Webster ISB - 26 4000-001
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...>
Attachments: 264000-001 Electrical Distribution.pdf

Attached for review.

Melissa Pirtle
Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
cannondesign.com



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0114

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/05/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Electrical Distribution

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		264000-001	1		07/05/2016	Electrical Distribution	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

Transmittal

To Paric Corporation

Date 7/1/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-005

We are sending you:

☒ Attached

☐ Under separate cover, the following:

☐ Preliminary Drawings

☐ Samples

☐ Construction Drawings

☐ Copy of Letter

☐ Specifications

☐ Other _____

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Distribution - Spec Section
			26 40 00

These are transmitted as checked:

☒ For Your Review & Comment

☐ Approved As Noted

☒ For Approval

☐ Returned For Corrections

☐ For Your File

☐ Approved As Submitted

☐ As Requested

☐

Copy:

Transmittal

Enclosure

Rick Branstetter

Signed: Rick Branstetter, Project Manager

Webster University ISB

Approval Drawing Package

Factory Order #: 37999262

06/13/2016

Distributor:
Graybar

Contractor/Installer:
Guarantee Electric / TD4

Consulting Engineer:
Wm Tao & Associates

Lou Feldhaus
Sales Representative

Jake Kaufman
Project Manager
North American Operating Division
(636) 329-2265
jacob.kaufman@schneider-electric.com

Life Is On



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CONTACTORS AND STARTERS

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2510FG

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