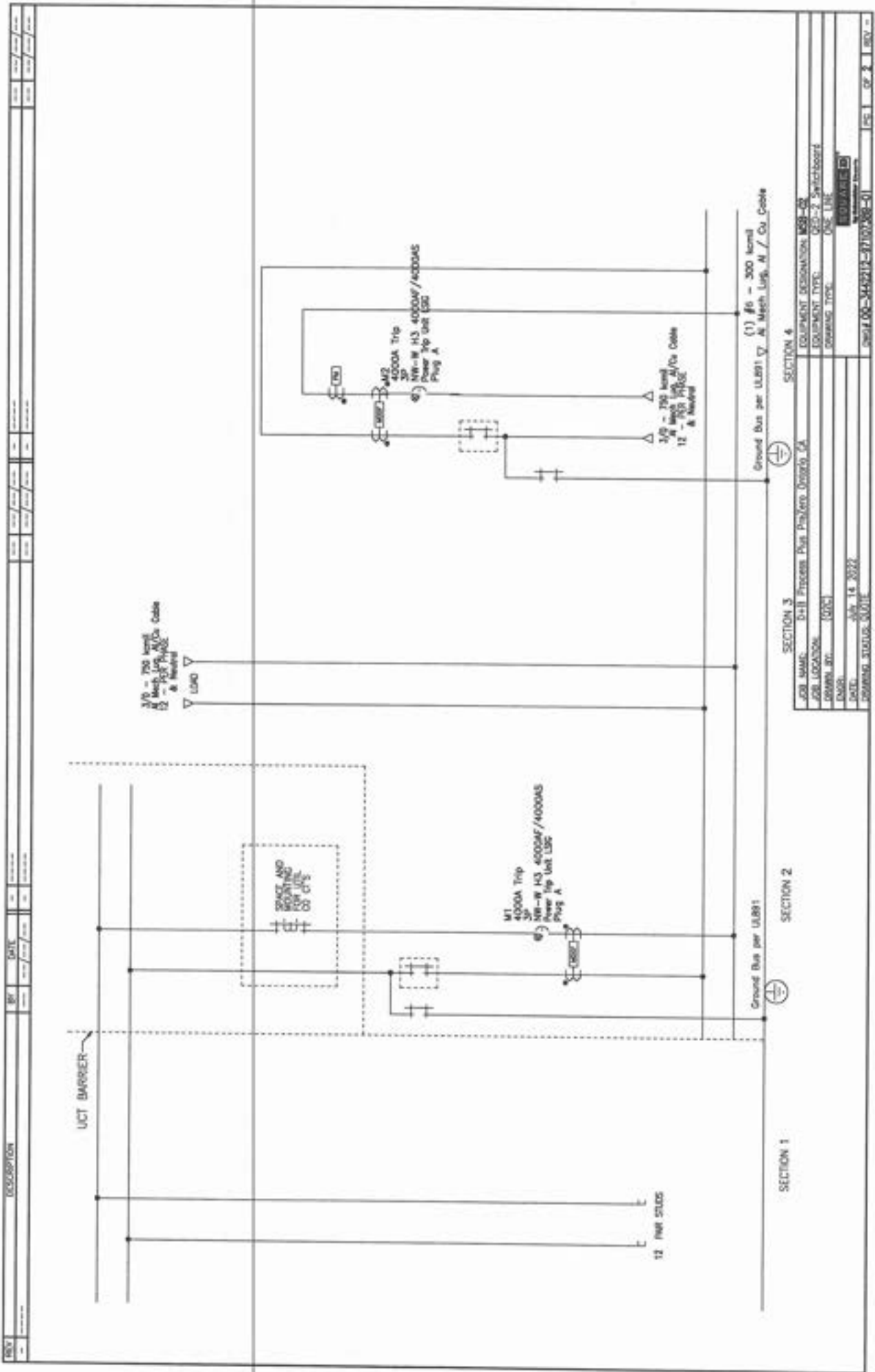




SECTION 3		SECTION 4	
JOB NAME:	D+H Process Plus Payzero Omnicore CA	EQUIPMENT DESIGNATION:	MSB-02
JOB LOCATION:	(UTC)	EQUIPMENT TYPE:	Q33-2 Switchboard
OWNER:	UTC	DRAWING TYPE:	ONE LINE
DATE:	JUN 14 2022	DESIGNED BY:	EDUARDO
DRAWING STATUS:	NOTE	CHECKED BY:	EDUARDO
		DATE:	JUN 14 2022
		PROJECT NO.:	00-345215-27107-08-01
		REV.:	OF 2

REV		DESCRIPTION		BY	DATE																
POWER STYLE QED-2 SWITCHBOARD																					
SECT NO	CKT NO	M/D /GND CONF	DEVICE / FRAME RATING	TRIP AMP	FUSE/ TRIP	#P	DESIGNATION	N/P	LUG/WIRE INFORMATION			ACCESSORIES / NOTES									
									QTY	PHASE WIRE RANGE	QTY	NEUT WIRE RANGE									
1	-	-	Isomay Converter	-	-	-	-	-	12	Pair Studs	12	Pair Studs									
2	UCT	-	400A	-	-	-	Southern Coil Edition (CA)	No	-	-	-	-									
2	M1	FOX	88-9 10 4000/4000S Reg 1	4000A	P-LSD	3P		No	-	-	-	-	SOCKET 4 LUG JUNCTION BOX MID-LEVEL								
4	M2	FOX	88-9 10 4000/4000S Reg 1	4000A	P-LSD	3P		No	12	3/0 - 750 kcmil	12	3/0 - 750 kcmil	SOCKET 4 LUG JUNCTION BOX MID-LEVEL								

LEGEND

ERMS

Energy Reduction Maintenance SW

KEY

Key Interlock

CF4

4 Form C Breaker Aux Contacts

PMUX

Power Meter PM05XX

SOE1

Over Current Trip Switch

TU

24V Trip Unit Display Power

UC2

Modified Differential Ground Fault

JOB NAME	D-11 Process Plant Pulpers Online SA
JOB LOCATION	
DRAWN BY	USC
CHECKED BY	
DATE	JUN 14 2022
DRAWING STATUS	CLD
EQUIPMENT DESIGNATION	MSB-Q2
EQUIPMENT TYPE	QED-2 Switchboard
DRAWING TITLE	SWB-Q2
SCALE	AS SHOWN
PROJECT NO.	MA20215-01501-000-J1
REV	NO

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
1				2				3				4				5			

SWITCHBOARD GENERAL NOTES **PRODUCT DESCRIPTION & RATINGS**

Power System Data

480Y/277V 3Ph 4W 60Hz / 3 Phase Wye
 Safety Grounded
 System Short Circuit Current Rating: 1000A RMS
 Incoming Section 3 Cable Through the Bottom Right of Lineup

Bus System Delta

4000A Silver Plated Copper Main Bus
 (2) .25x2.00 IN/8x51 & (6) .25x1.50 IN/8x53 Cu Bus Bar Per Phase/Neutral
 (1) .25x1.75 IN/8x44 mm Cu Ground Bus

Enclosure Data

Type 1 Free Standing
 Exterior Paint Color: ANSI 49
 Front Accessibility Only Required
 Handling: Rollers
 Resident barriers
 Utility sealing hardware installed for unmetrated bus compartments
 Base channels cannot be removed from EUSERC switchboard line-ups
 Utility sealing hardware installed for unmetrated bus compartments

Estimated Shipping Weight

Shipping Spkt 1 915.00 lbs / 415.04 kgs
 Shipping Spkt 2 1920.00 lbs / 861.84 kgs
 Shipping Spkt 3 1000.00 lbs / 453.60 kgs
 Complete Lineup 3815.00 lbs / 1730.48 kgs

Code Standards

UL1 Deadfront and suitable for use as Service Entrance
 when not more than six (6) disconnecting means are provided.

Rating Norms

ST1- Deadfront - Section Bus 4000A
 ST2- Service Entrance - Section Bus 4000A
 ST3- Deadfront - Section Bus 4000A

PRODUCT INFORMATION

Wiring

All wiring to be Machine Tool Wire Type

Instruction Bulletin

Reference 80043-006 For Handling, Installation,
 Anchoring, Inspection And Maintenance Information

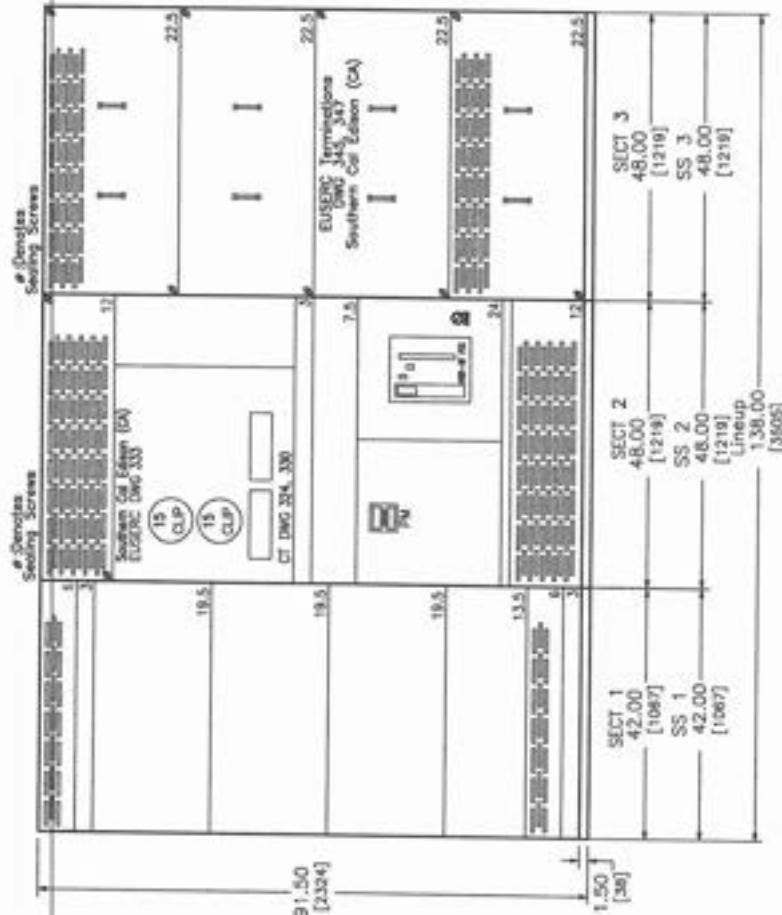
Product Accessories/Options

Seismic Qualified
 24V Trip Unit Display Power
 Locally Mounted ERMIS Switch

T-bus
36.3 in

T-bus
36.3 in

T-bus
27.0 in

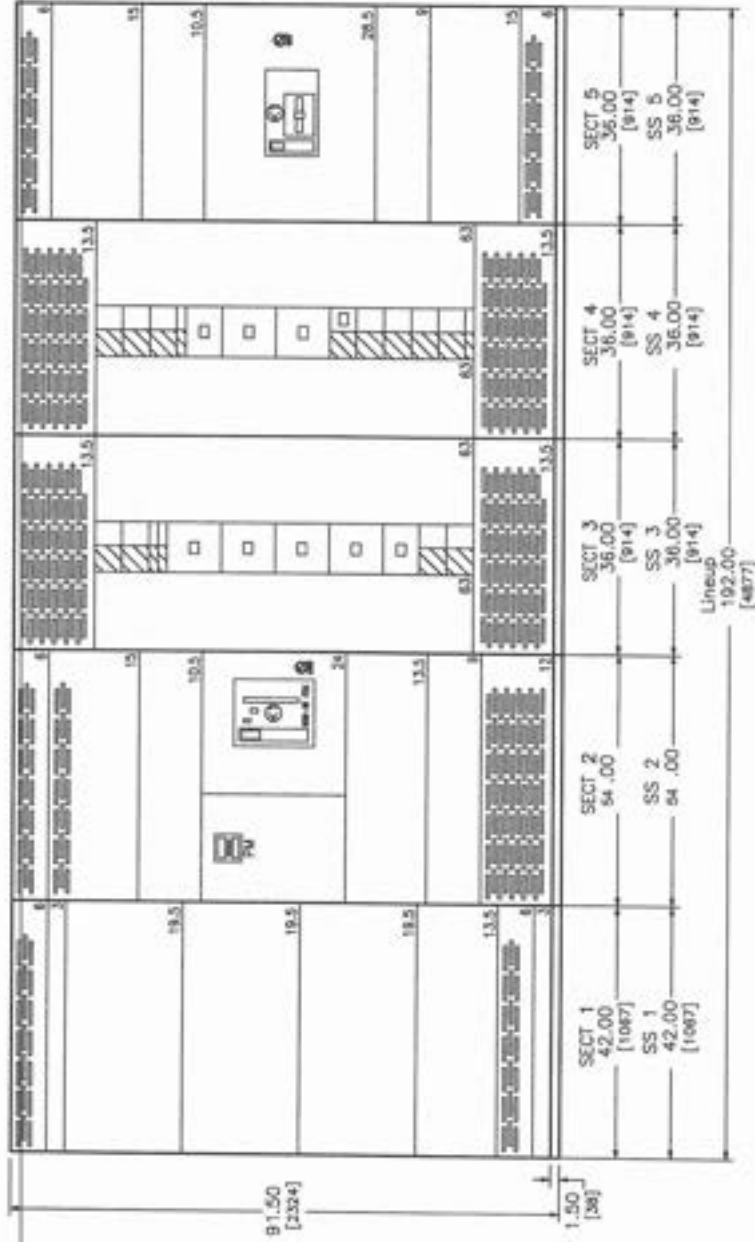


DUAL DIMENSIONS: INCHES
MILLIMETERS

JOB NAME:	Unit Process Plus Franchise Ontario, CA	EQUIPMENT DESCRIPTION:	MSB-03
JOB LOCATION:		EQUIPMENT TYPE:	QD-3 Switchboard
DRAWN BY:	0020	DRAWING TYPE:	REVISION VIEW
DATE:	JUL 14 2022	DATE:	
DRAWING STATUS:	NOT FOR CONSTRUCTION	REVISION:	
		REV	OF 2

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
1				2				3				4			

No 1-bus T-bus 36.0 in T-bus 27.0 in T-bus 19.5 in



DUAL DIMENSIONS: INCHES
MILLIMETERS

JOB NAME:	018 Process Plant Pre-Design, CA	EQUIPMENT DESCRIPTION:	MB-20
JOB LOCATION:		EQUIPMENT TYPE:	Q10-2 Switchboard
DRAWN BY:	[926]	DRAWING TYPE:	ELEVATION VIEW
ENGR:		DATE:	July 14, 2022
DRAWING STATUS:	QC/C	NOT FOR CONSTRUCTION	
		REV	1 OF 3

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
1															

SWITCHBOARD GENERAL NOTES - SERIES 2

PRODUCT DESCRIPTION & RATINGS

Power System Data

480Y/277V 3Ph 4W 60Hz / 3 Phase Wye
Solidly Grounded
System Short Circuit Current Rating: 100KA RMS
Incoming Through the Top of Unbussead Put Section 1
Incoming Section 2 Cables Through the Bottom Left of Lineup

Bus System Data

4000A Silver Plated Copper Main Bus
(2) .25x2.00 IN/6x31 & (6) .25x1.50 IN/6x38 Cu Bus Bar Per Phase
(4) .25x4.00 IN/6x102 mm Cu Bus Bar Per Neutral
(1) .25x1.75 IN/6x44 mm Cu Ground Bus

Enclosure Data

Type 1 Free Standing
Exterior Paint Color: ANSI 49
Front Accessibility Only Required
Handling: Rollers

Estimated Shipping Weight

Shipping Split 1 915.00 lbs / 415.04 kgs
Shipping Split 2 1509.00 lbs / 684.48 kgs
Shipping Split 3 1235.00 lbs / 560.30 kgs
Shipping Split 4 1160.00 lbs / 526.18 kgs
Shipping Split 5 1156.00 lbs / 525.27 kgs
Complete Lineup 5977.00 lbs / 2711.17 kgs

Code Standards

U.L. Deadfront and suitable for use as Service Entrance
when not more than six (6) disconnecting means are provided.

Rating Nomenclature

S11 - SWBD enclosure
S12 - Service Entrance - Section Bus 4000A
S13 - Deadfront - Section Bus 3000A
S14 - Deadfront - Section Bus 3000A
S15 - Deadfront - Section Bus 1200A

PRODUCT INFORMATION

Wiring

All wiring to be Machine Tool Wire type

Instruction Bulletin

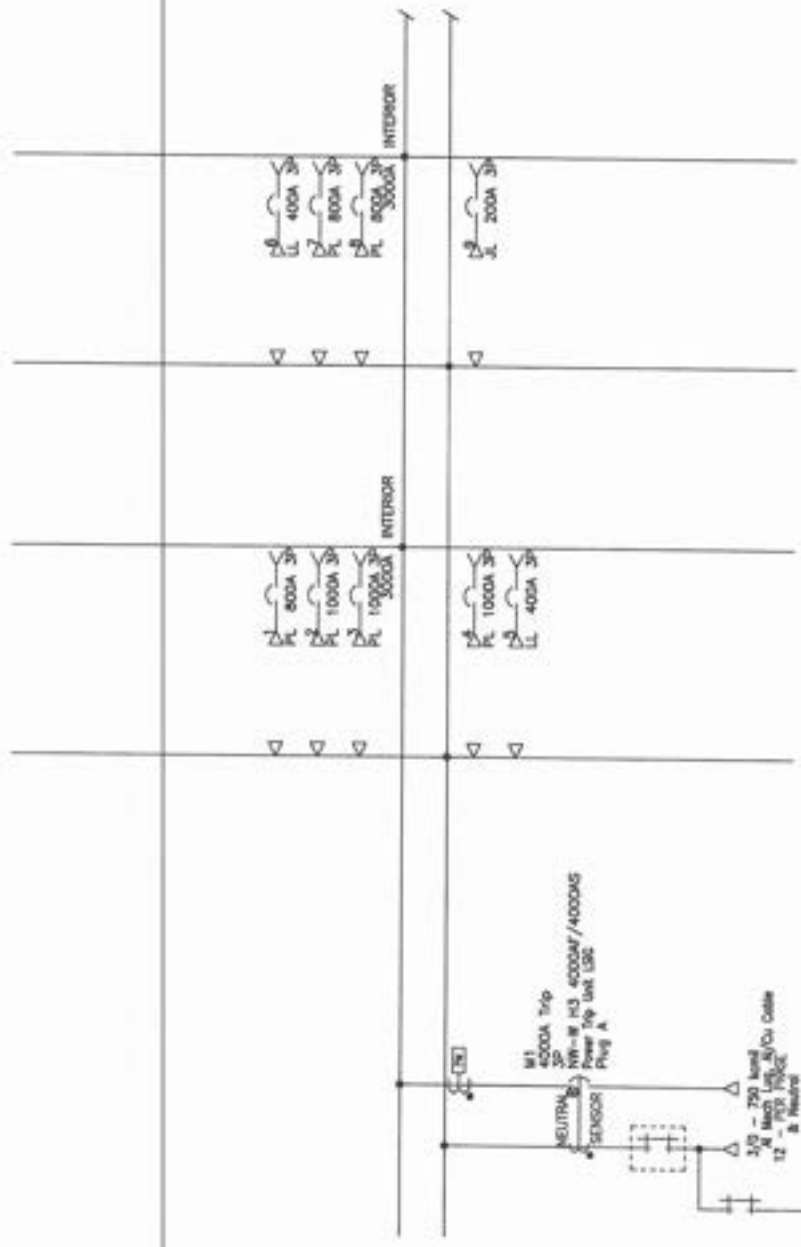
Reference 80043-055 For Handling, Installation,
Anchoring, Inspection And Maintenance Information

Product Accessories/Options

Standard Qualified
24V Trip Unit Display Power
System Communications - Modbus RS485 to Ethernet Modbus TCP
Customer Ethernet Network - 10/100Mbps Copper
Locally Mounted RMS Switch
Locally Mounted DRMS Switch

JOB NAME:	0+11 Process Plant Building Ontario CA	EQUIPMENT DESIGNATION:	MSB-05
JOB LOCATION:		EQUIPMENT TYPE:	QED-2 Switchboard
DRAWN BY:	(GOC)	DRAWING TYPE:	GENERAL NOTES
DATE:	JAN 14 2022		
DRAWING STATUS:	NOT FOR CONSTRUCTION	DESIGN NO:	MSB015-710797-01
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			REV -

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
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SECTION 3				SECTION 4			
JOB NAME:	0118 Pioneer Plus Pavilion Ontario CA	JOB NAME:	0118 Pioneer Plus Pavilion Ontario CA	EQUIPMENT IDENTIFICATION:	0118-05	EQUIPMENT IDENTIFICATION:	0118-05
JOB LOCATION:	0118 Pioneer Plus Pavilion Ontario CA	JOB LOCATION:	0118 Pioneer Plus Pavilion Ontario CA	EQUIPMENT TYPE:	0118-05	EQUIPMENT TYPE:	0118-05
DESIGN BY:	0118	DESIGN BY:	0118	DRAWING TYPE:	0118-05	DRAWING TYPE:	0118-05
ENGINEER:	0118	ENGINEER:	0118	DATE:	0118-05	DATE:	0118-05
DATE:	0118-05	DATE:	0118-05	DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05
DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05

SECTION 1				SECTION 2			
JOB NAME:	0118 Pioneer Plus Pavilion Ontario CA	JOB NAME:	0118 Pioneer Plus Pavilion Ontario CA	EQUIPMENT IDENTIFICATION:	0118-05	EQUIPMENT IDENTIFICATION:	0118-05
JOB LOCATION:	0118 Pioneer Plus Pavilion Ontario CA	JOB LOCATION:	0118 Pioneer Plus Pavilion Ontario CA	EQUIPMENT TYPE:	0118-05	EQUIPMENT TYPE:	0118-05
DESIGN BY:	0118	DESIGN BY:	0118	DRAWING TYPE:	0118-05	DRAWING TYPE:	0118-05
ENGINEER:	0118	ENGINEER:	0118	DATE:	0118-05	DATE:	0118-05
DATE:	0118-05	DATE:	0118-05	DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05
DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05	DRAWING STATUS:	0118-05

SECTION 1				SECTION 2			
JOB NAME:	0118 Pioneer Plus Pavilion Ontario CA	JOB NAME:	0118 Pioneer Plus Pavilion Ontario CA	EQUIPMENT IDENTIFICATION:	0118-05	EQUIPMENT IDENTIFICATION:	0118-05
JOB LOCATION:	0118 Pioneer Plus Pavilion Ontario CA	JOB LOCATION:	0118 Pioneer Plus Pavilion Ontario CA	EQUIPMENT TYPE:	0118-05	EQUIPMENT TYPE:	0118-05
DESIGN BY:	0118	DESIGN BY:	0118	DRAWING TYPE:	0118-05	DRAWING TYPE:	0118-05
ENGINEER:	0118	ENGINEER:	0118	DATE:	0118-05	DATE:	0118-05
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[illegible]

JOB NAME:	018 Process Plus Prairies Ontario CA	EQUIPMENT DESIGNATION:	W3-16
JOB LOCATION:		EQUIPMENT TYPE:	018-2 Switchboard
DESIGN BY:	0265	DRAWING TYPE:	SCH-01E
DATE:	07/14/2002		SQUARE
DESIGN STATUS:	0.20%		
FILED:	07/14/2002		
FILED:	07/14/2002		

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
1				1			

POWER STYLE QED-2 SWITCHBOARD SERIES 2

SECT NO	CMT NO	IND /CMT CONF	DEVICE / FRAME RATING	TRIP AMP	FUSE/ TRIP	#P	DESIGNATION	N/P	LUG/WIRE INFORMATION				ACCESSORIES / NOTES	
									QTY	PHASE	WIRE RANGE	QTY	NEUT WIRE RANGE	
2	M1	FTX	800-12 400V/1200V Reg A	4000A	P-L50	3P		No	12	3/0 - 750 kcmil	12	3/0 - 750 kcmil	OF SDE1 2P4 COM,PL1,UMS,TU	
3	1	9 in	PL 800A Reg A	800A	P-L51	3P		No	3	3/0 - 500 kcmil	3	3/0 - 500kcmil	COM,TU	
3	2	9 in	PL 1200A Reg A	1200A	P-L51	3P		No	4	3/0 - 500 kcmil	4	3/0 - 500kcmil	COM,UMS,TU	
3	3	9 in	PL 1200A Reg A	1200A	P-L51	3P		No	4	3/0 - 500 kcmil	4	3/0 - 500kcmil	COM,UMS,TU	
3	4	9 in	PL 800A Reg A	800A	P-L51	3P		No	3	3/0 - 500 kcmil	3	3/0 - 500kcmil	COM,UMS,TU	
3	5	6 in	LL 400A	400A	E-L51	3P		No	2	3/0 - 250 kcmil	2	3/0 - 250 kcmil	COM,TU	
3	6	4.5 in	LL 200A	200A	E-L51	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	COM	
3	7	4.5 in	LL 200A	200A	E-L51	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	COM	
4	8	FTS	PL 1200A Reg A 1200	1200A	P-L51	3P		No	4	3/0 - 500 kcmil	4	3/0 - 500 kcmil	COM,PMK,UMS,TU	
4	9	FTS	PL 1200A Reg A 1200	1200A	P-L51	3P		No	4	3/0 - 500 kcmil	4	3/0 - 500 kcmil	COM,PMK,PMK,UMS,TU	
COM Communications														
ERMS Energy Reduction Maintenance SW														
GF Ground Fault														
MMS Maintenance Mode Setting Switch														
OF4 4 Form C Breaker Aux Contacts														
PM Power Meter														
PMK Power Meter PM550C														
SDE1 Over Current Trip Switch														
TU 24V Trip Unit Display Power														

LEGEND												
COM	Communications											
ERMS	Energy Reduction Maintenance SW											
GF	Ground Fault											
MMS	Maintenance Mode Setting Switch											
OF4	4 Form C Breaker Aux Contacts											
PM	Power Meter											
PM5K	Power Meter PM5500											
SDCI	Over Current Trip Switch											
TU	24V Trip Unit Display Power											

JOB NO.	015 Process Plus Problem Solving 04	EQUIPMENT DESIGNATION	MSB-08
JOB LOCATION		EQUIPMENT TYPE	QED-2 Switchboard
ISSUED BY	0800	DRAWING TYPE	SCHEMATIC
DATE	JUL 15 2002		
DRAWING STATUS	QA01		