

SOLANO COMMUNITY COLLEGE

EARLY COLLEGE HIGH SCHOOL **PORTABLES PROJECT**

PRE-BID CONFERENCE

June 9th, 2020

VIRTUAL JOB WALK PHOTOS

PROJECT SITE









DATA VAULT LOCATION

(North Side of Building 300)







ELECTRICAL SUBSTATION #04











EATON Pow-R-Line® PRL-C Switchboard

Volts	480Y/277V	G. O. No.	SSF0844549
Phase	3 Wire 4	Item No.	001
Frequency	60 Hz	Section No.	3 Of 3
Mid Alt.	SFS	Date	12/13/2017
Current Ratings - Amperes			
Supply	1800	Neut.	1800
Section	1800	Neut.	1800
Enclosure Type	3R		

This Section Is Rated For Use On A Circuit Capable Of Delivering Not More Than 55 KA RMS Sym. Amperes, 480 Volts maximum. When Protected By A Current Limiting Main Device, A — Amperes Maximum Class — Fuse Or A Type RGH Circuit Breaker Rated Not More Than — Amperes Must Be Used.

The Short Circuit Rating Of This Switchboard Section Is Equal To The Lowest Rating Of (1) Any Section Electrically Connected In Series Or (2) Any Insulated Panelboard Having A Marked Short Circuit Rating Or (3) Any Device Installed Except As Noted In The Series Rating Information Manual Attached Or (4) 42KA Max For Any Lineup Containing An RDCR Feeder Device Mounted On Distribution Chassis.

If This Section Contains A Control Transformer, The Secondary Voltage Is 120V.

If This Section Contains A Bonded Neutral, The Bonding Means Shall Only Be Removed For Test Purposes.

800P025H01 #10 Assembled in USA

Series Rating Information Manual To Be Consulted Before Installation Of Any Panelboard/Switchboard If Series Ratings Are To Be Used. Call 1-800-355-4565 For Replacement Manual If Lost.

Automatic Trip Of Circuit Breaker Is Indicated By Handle Position Midway Between "On" and "Off". Restore Service By Moving Handle To "Off" Then To "On".

TERMINALS ARE SUITABLE FOR CU OR AL. - Use 75 °C Min. Conductors.

Use Equipment Grounding Terminal Assembly (8073C74) Unless Grounding Is Accomplished Through Metal Conductor Raceway.

Devices To Be Installed Or Replacement Units Must Be From The Same Manufacturer Of The Same Type And Have Equal Or Greater Interrupting Ratings.

Collecting Wire Torques*					Torque Values For Copper And Aluminum Wire For Connections	
Scope Data		Scope results			Torque	
Wire AWG	Torque (lb.-in. (N-m))	Active Plates (lb.-in. (N-m))	5-Straps (lb.-in. (N-m))	Bottom Strap (lb.-in. (N-m))	100% Inrush (lb.-in. (N-m))	100% Inrush (lb.-in. (N-m))
10-16	35 (3.9)	50 (5.6)	45 (5.0)	45 (5.0)	50 (5.6)	50 (5.6)
8	40 (4.5)	50* (5.6)	50 (5.6)	50 (5.6)	50 (5.6)	50 (5.6)
6-4	45 (5.1)	315* (35.4)	320 (35.9)	320 (35.9)	320 (35.9)	320 (35.9)
2-2 1/2	50 (5.6)	315 (35.4)	320 (35.9)	320 (35.9)	320 (35.9)	320 (35.9)
* See Marking On Device For Torque						
10-16	35 (3.9)	50 (5.6)	220 (24.6)	220 (24.6)	51* (5.7)	51* (5.7)
8	40 (4.5)	275 (30.8)	275 (30.8)	275 (30.8)	51* (5.7)	51* (5.7)
6-4	45 (5.1)	320 (35.9)	320 (35.9)	320 (35.9)	51* (5.7)	51* (5.7)
2-2 1/2	50 (5.6)	320 (35.9)	320 (35.9)	320 (35.9)	51* (5.7)	51* (5.7)
1-1/2	55 (6.1)	560 (62.5)	560 (62.5)	560 (62.5)	51* (5.7)	51* (5.7)
1-1/4	60 (6.7)	560 (62.5)	560 (62.5)	560 (62.5)	51* (5.7)	51* (5.7)

BUILDING 1500 ENTRANCE

