PROPOSED 112.5 kVA XFMR & 300A 120/208V MAIN DISTRIBUTION PANEL (480V SERVICE FROM AgIT BUILDING)

100A SUB-PANEL A
100A SUB-PANEL C
100A SUB-PANEL D
100A SUB-PANEL E
100A SUB-PANEL F
100A SUB-PANEL G
100A SUB-PANEL H

SHIPPING CONTAINERS TO HAVE 8' L. LED STRIP LIGHTS OVER ENTIRE LENGTH OPERATED BY OCCUPANCY SWITCHES (WEST SUPPLIED BY SHOP PANEL F & EAST SUPPLIED BY LOAFING BARN PANEL G)

30A 480V PUMP CONTROL PANEL

PANEL A 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL B 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL C 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL D 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL E 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL F 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL G 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL H 2-1/2" C W/ (4) 3/0 THWN-2CU & (1) #6 THWN-2CU. GND 100/3
PANEL 9 2" C W/ (4) #4 THWN-2CU & (1) #8 THWN-2CU. GND 30/3

NOTES:
1. PULL BOXES SHALL BE INTERMITTENT TRAFFIC RATED.
2. PULL BOXES CONSTRUCTED OF REINFORCED POLYMER WITH TRAFFIC RATING ARE ACCEPTABLE.
3. PRECAST REINFORCED CONCRETE BOX. SIZE PER PLANS.
4. REINFORCED CONCRETE COVER (TO SUIT APPLICATION) WITH HOLD DOWN BOLTS. PRE-STAMP COVER WITH CONTAINED SYSTEM.
5. FINISHED GRADE CRUSHED ROCK SUMP, 6" DEEP 3"
6. CONDUIT AND Wiring PER PLANS.
7. 6" 24" OR 36" AS REQUIRED TRAFFIC RATED (TYP.)
8. 45° BEND (TYP.)
9. CRUSHED ROCK SUMP #15 ROOFING PAPER BETWEEN GROUT AND CRUSHED ROCK
10. MINIMUM 2" THICK GROUT
11. (3) 1" DIA DRAIN HOLES IN BOTTOM OF BOX

MERCED COLLEGE UNIVERSITY DR. MERCED, CA
SITE ELECTRICAL

REV. REVISION DATE 01 06/23/2022

DRAWN: TCK
DESIGN: TCK

ELECTRICAL SINGLE LINE DIAGRAM

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TYPICAL PULL BOX DETAIL

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