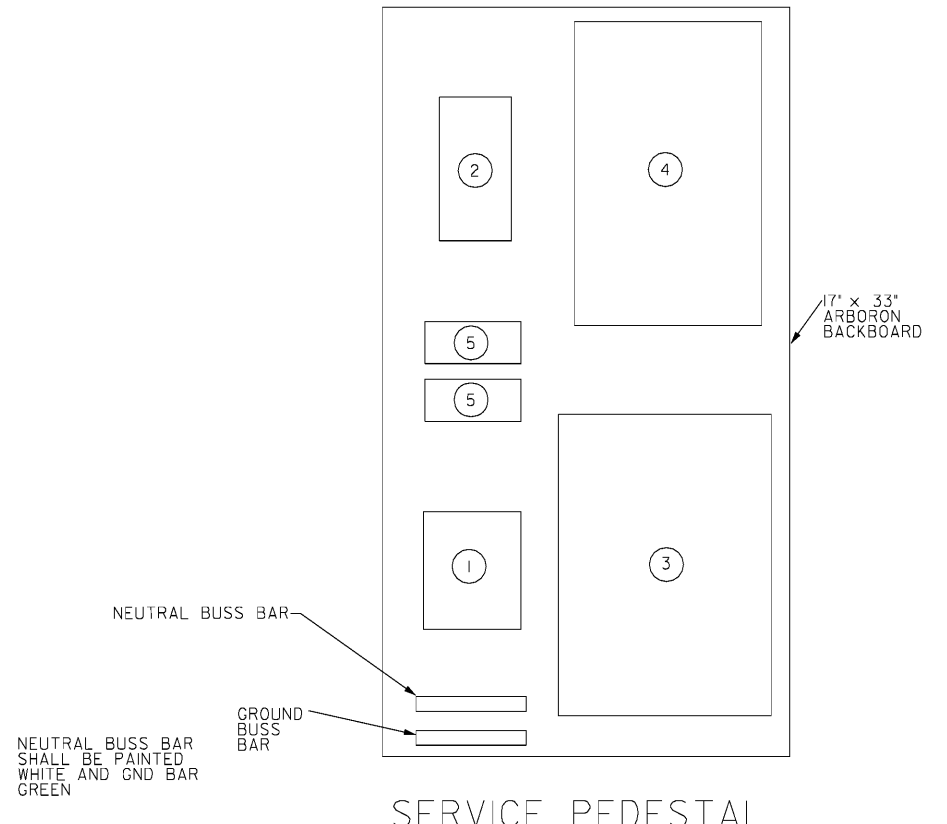


LEGEND

- THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER
- LIGHTING CONTACTOR  
600V, MULTI-POLE, AMPERAGE RATING TO MATCH MAIN BREAKER SIZE
- 480V TWIST-LOCK PHOTOCONTROL PER ANSIC136.10
- SURGE PROTECTION DEVICE (SPD)

- NOTES
- 1 SURGE PROTECTION DEVICE SHALL BE SUITABLE FOR CONNECTION TO 240/480V, 1-PHASE SERVICE. THE SURGE PROTECTION DEVICE SHALL HAVE MINIMUM SURGE CURRENT RATING OF 130,000A PER PHASE AND SHALL PROVIDE L-L, L-N & N-G PROTECTION. THE SURGE PROTECTION DEVICE SHALL HAVE RED STATUS LED AND SHALL BE U.L. 1449 AND 1283 LISTED. SURGE PROTECTION DEVICE SHALL BE PROVIDED BY SQUARE D, EATON OR APPROVED EQUAL AND SHALL BE NIPPLE CONNECTED TO THE MAIN BREAKER.
  - 2 MAIN CIRCUIT BREAKER SHALL BE MOLDED CASE, THERMAL MAGNETIC TYPE AND SHALL INCLUDE INSULATED, GROUNDABLE NEUTRAL ASSEMBLY. BREAKER SHALL HAVE 100 AMP FRAME AND 100 AMP OVERCURRENT RATING. BREAKER SHALL HAVE 25KA AT 480V INTERRUPTING RATING. THE BREAKER SHALL BE UL LISTED AS SUITABLE FOR SERVICE EQUIPMENT AND SHALL BE SUPPLIED BY SQUARE D, EATON OR APPROVED EQUAL.
  - 3 PANELBOARD SHALL BE 480/240V, 1-PHASE, 3 WIRE WITH COPPER BUSBARS. RATINGS SHALL BE AS INDICATED ON DRAWINGS. A GROUND BUS SHALL BE PROVIDED IN THE PANEL. THE PANEL SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 14,000A R.M.S. SYMMETRICAL. THE PANEL SHALL HAVE HINGED DOOR AND DEADFRONT CONSTRUCTION AND MANUFACTURED BY SQUARE D, EATON OR APPROVED EQUAL.
  - 4 LIGHTING CONTACTOR SHALL HAVE A 3 POSITION SELECTOR SWITCH ON THE FRONT COVER LABELED "HAND-OFF-AUTO". "HAND" TURNS LIGHTS ON, "OFF" TURNS THEM OFF. "AUTO" ALLOWS THE PHOTOCELL TO CONTROL LIGHTS. HANDS-OFF-AUTO SWITCH SHALL BE LOCKABLE. CONTACTOR SHALL BE ELECTRICALLY OPERATED, ELECTRICALLY HELD.
  - 5 POWER DISTRIBUTION BLOCKS USED TO DISTRIBUTE WIRES FROM INPUT BETWEEN THE MAIN CIRCUIT BREAKER, SURGE SUPPRESSOR AND THE LIGHTING CONTACTOR. THE BLOCKS NEED TO ACCEPT CABLES RANGING FROM #3/0 TO #8 AWG.



SERVICE POINT "B" SINGLE LINE DIAGRAM

SERVICE PEDESTAL

Order Plans @



NOT TO SCALE

REVISION DATES		LIGHTING PLANS	
		1-85 @ SR 18 & SR 18 @ SR 103	
		SINGLE LINE DIAGRAM-SERVICE POINT "B"	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	25-0020	
CORRECTED:	DATE:		
VERIFIED:	DATE:		