PANELBOARD "A50" 120/208V 3 PHASE
PANELBOARD "DP50" 480/277V 3 PHASE
400Y EXTERIOR INTERIOR
400Y 175 4#600MCM, 1#1/0G, 3 1/2"C
3#2/0, 1#6G, 2"C
XFRMR "TR50" 112.5 kVA 480-120/208V 3 PHASE
175 TVSS 1", 5#8
DRY TYPE TRANSFORMER GROUND PER NEC AND NOTES
1200Y (3) 4#600MCM, 1#1/0G, 4"C
PANELBOARD "B50" 120/208V 3 PHASE
100Y
1200Y, NO G. TO JCPB PAD MOUNTED TRANSFORMER, SEE SITE PLAN.
PANELBOARD "AA50" 480/277V 3 PHASE
800Y (2) 4#500MCM, 1#1/0G, 4"C
ELECTRICAL RISER DIAGRAM NOTES
1. THIS SERVICE HAS BEEN DESIGNED FOR 480/277V, THREE PHASE, FOUR WIRE, SOLIDLY GROUNDED WYE.
2. CONTRACTOR SHALL PROVIDE GROUNDING ELECTRODE SYSTEMS AND CONDUCTORS PER NEC 250.50 AT A MINIMUM AND ADDITIONAL REQUIREMENTS AS SHOWN ON THE RISER DIAGRAM.
3. CONTRACTOR SHALL PROVIDE GROUNDING ELECTRODE CONDUCTOR(S) TO ALL METALLIC PIPING SYSTEM(S) AND BOND AS PER NEC 250.52 (A)(1).
4. CONTRACTOR SHALL PROVIDE GROUNDING ELECTRODE CONDUCTOR TO METAL BUILDING FRAME AND BOND PER NEC 250.52 (A)(2).
5. CONTRACTOR SHALL PROVIDE CONCRETE ENCASED ELECTRODE IN BUILDING FOUNDATION AND BOND PER NEC 250.52 (A)(3).
6. CONTRACTOR SHALL PROVIDE GROUNDING ELECTRODE RODS (3/4" BY 10' COPPER) AND BOND PER NEC 250.52 (A)(5)(a).
7. GROUND ALL DRY TYPE TRANSFORMERS IN ACCORDANCE WITH NEC 250.30.
8. ALL UNDERGROUND AND ENCASED CONNECTIONS SHALL BE EXOTHERMIC. EXPOSED CONNECTIONS MAY BE COMPRESSION TYPE.
9. ALL COMPONENTS SHALL BE COPPER UNLESS NOTED OTHERWISE.
400Y TO A31 IN EAST GATE, SEE E431
LIGHTING CONTROL PANEL "E" 3000 WATT INVERTER, TYPICAL OF 2.
FOR TYPE "L" EMERGENCY LIGHTS ON FIELD LIGHTING POLES. OPERATION SHALL BE AUTOMATIC WITH 90 MINUTE BATTERY BACK UP.
PRACTICE BODINE GTD20 MICRO TRANSFER SWITCHES.
800Y TO AA51 ON FLOOR ABOVE, SEE E451
LOCATED ON ROOF 2", CONDUCTOR AS REQUIRED PROVIDE 4 POLE, 20 AMP CONTACTOR IN NEMA 1 ENCLOSURE TO CONTROL EXTERIOR LIGHTS.
60Y 4#6, 1#8G, 1"C FOUR 60Y PANELBOARD "BB50" 480/277V 3 PHASE 4#4/0, 1#4G, 3"C