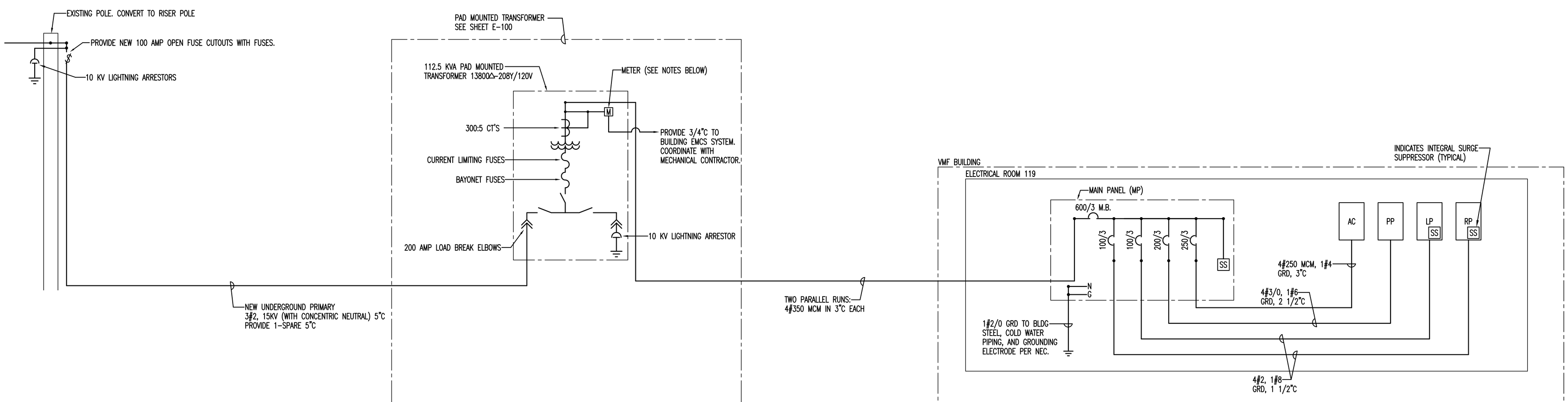
ELECTRICAL LEGEND

- CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE
- CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT OR WITH EMERGENCY TRANSFER RELAY
- WALL BRACKET MOUNTED FLUORESCENT LIGHTING FIXTURE
- STRIP FLUORESCENT LIGHTING FIXTURE
- CEILING MOUNTED COMPACT FLUORESCENT OR HID LIGHTING FIXTURE
- WALL BRACKET HID OR COMPACT FLUORESCENT LIGHTING FIXTURE
- EXIT LIGHT
- $ — SINGLE POLE LIGHTING SWITCH MOUNT 48" AFF
- $3 — THREE-WAY LIGHTING SWITCH
- $a — CONTROLS OUTLET "a" TYPICAL
- $OS — OCCUPANCY SENSOR LIGHTING SWITCH
- $WP — SINGLE POLE LIGHTING SWITCH WITH WEATHERPROOF COVERPLATE
- FLUORESCENT DIMMER SWITCH
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- US — CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR
- DUPLEX RECEPTACLE . MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS: G - GROUND FAULT CIRCUIT INTERRUPTER TYPE
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS
- G — GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS
- CEILING MOUNTED DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- J — JUNCTION BOX
- MOTOR
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MAGNETIC MOTOR STARTER
- COMBINATION MAGNETIC STARTER/NON-FUSED DISCONNECT SWITCH (OR AT CONTRACTORS OPTION SEPARATE NON-FUSED SWITCH AND STARTER MAY BE USED)
- PANELBOARD
- PANELBOARD
- MS — PUBLIC ADDRESS SYSTEM MASTER STATION (AMPLIFIER/MIXER)
- S — PUBLIC ADDRESS SYSTEM CEILING MOUNTED RECESSED SPEAKER WITH VOLUME CONTROL
- S — PUBLIC ADDRESS SYSTEM WALL MOUNTED RECESSED SPEAKER WITH VOLUME CONTROL
- S WP — WEATHERPROOF PUBLIC ADDRESS SYSTEM CEILING MOUNTED RECESSED SPEAKER
- CTV — WALL MOUNTED JUNCTION BOX FOR GFGI CLOSED CIRCUIT TV CAMERA. PROVIDE 3/4"C TO COMM ROM.
- KP — WALL MOUNTED JUNCTION BOX FOR GFGI ELECTRONIC SECURITY SYSTEM (ESS) KEYPAD. PROVIDE 3/4"C TO COMM ROOM.
- CR — WALL MOUNTED JUNCTION BOX FOR GFGI ELECTRONIC SECURITY SYSTEM (ESS) CARD READER. PROVIDE 3/4"C TO COMM ROOM.
- AFF — ABOVE FINISHED FLOOR
- CB — CIRCUIT BREAKER
- EWC — ELECTRIC WATER COOLER
- ECB — ENCLOSED CIRCUIT BREAKER
- CFCI — CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- GFGI — GOVERNMENT FURNISHED GOVERNMENT INSTALLED
- GFCI — GOVERNMENT FURNISHED CONTRACTOR INSTALLED
- CONDUIT RUN ABOVE CEILING OR IN WALLS
- CIRCUIT RUN IN OR BELOW SLAB OR UNDERGROUND
- HOMERUN TO PANELBOARD ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2#12, 1#12 GRD, 1/2"C, 3#12, 1#12 GRD, 1/2"C ETC.
- CONDUIT RUN EXPOSED PARALLEL OR PERPINDICULAR TO BUILDING LINES



POWER RISER DIAGRAM

POWER RISER DIAGRAM - METER NOTES

1. METER SHALL BE ELECTRONIC METER, FORM 9S, CLASS 20, 3-PHASE POWER SUPPLY 120-480V, 4WY, 1.8Kh, MSMT LEVEL 1 MEASUREMENT DEMAND RESET COVER, 1KYZ, 1KY OUTPUT (BLACK, RED, YELLOW, ORANGE, WHITE BARE LEADS). GENERIC NAMEPLATE. MANUFACTURER: ITRON. MODEL: SENTINEL, SS4S1D WITH LOAD PROFILE.
2. SOCKET: 13 TERMINAL, 20 AMP, 600 VAC, ONE-POSITION-STEEL-RINGLESS, NEMA 3R, GRAY, 10 POLE TEST SWITCH, LOW MOUNT. NWS CHARLESTON COLOR CODE: BLACK, RED, BLUE, WHITE, ORANGE-ORANGE, BROWN-BROWN, YELLOW-YELLOW. PREWIRED WITH SAME COLOR CODE. MANUFACTURER: METER DEVICES CO INC No. 602-3060C13-811 WITH LOW MOUNT TEST SWITCH.
3. CURRENT TRANSFORMERS: 300:5 RATIO WITH A RATING FACTOR OF 3. INSULATION CLASS 0.6 KV, ACCURACY CLASS 0.3, BURDEN B0.5. ITRON TYPE R6P, BRUSHING TYPE MOUNT.
4. THE DATA CABLE LINK FROM THE DATA GATHERING PANEL TO THE METER SHALL BE 4#18 CONDUCTOR, TWISTED WITH OVERALL SHIELD. THE 4-CONDUCTOR WILL PROVIDE 3 ACTIVE WIRES (BLACK, RED, YELLOW) FOR CONNECTION TO THE K-Y-Z METER OUTPUTS AND 1 SPARE WIRE.

TEAM Construction, LLC

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DESIGNER: SAA | DRAWN BY: SAA | REVIEWER: SAA
PROJECT LEADER: MG
SUBMITTED BY: CR
NAVFAC TECHNICAL LEAD: RF
F.P.E. - BP

DRAWING REVISIONS

REV.	DESCRIPTION	DATE	APPRVD.

P-196 MARINE CORPS RESERVE VEHICLE MAINTENANCE FACILITY AT NAVAL WEAPONS STATION CHARLESTON, SC

ELECTRICAL LEGEND & POWER RISER DIAGRAM

NOT FOR CONSTRUCTION | APPROVED | DATE: | EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division, Charleston, SC

SCOTT A. ADAMS
LICENSE NO. 57946
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FINAL SUBMITTAL

RECORD DRAWING DATE SEPTEMBER 2010	
CODE I.D. NO.	
DRAWING SIZE:	D
SPEC. NO.	
CONSTRN. CONTR. NO.	
NAVFAC DRAWING NO. 15042227	
SHEET 65 OF 84	

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