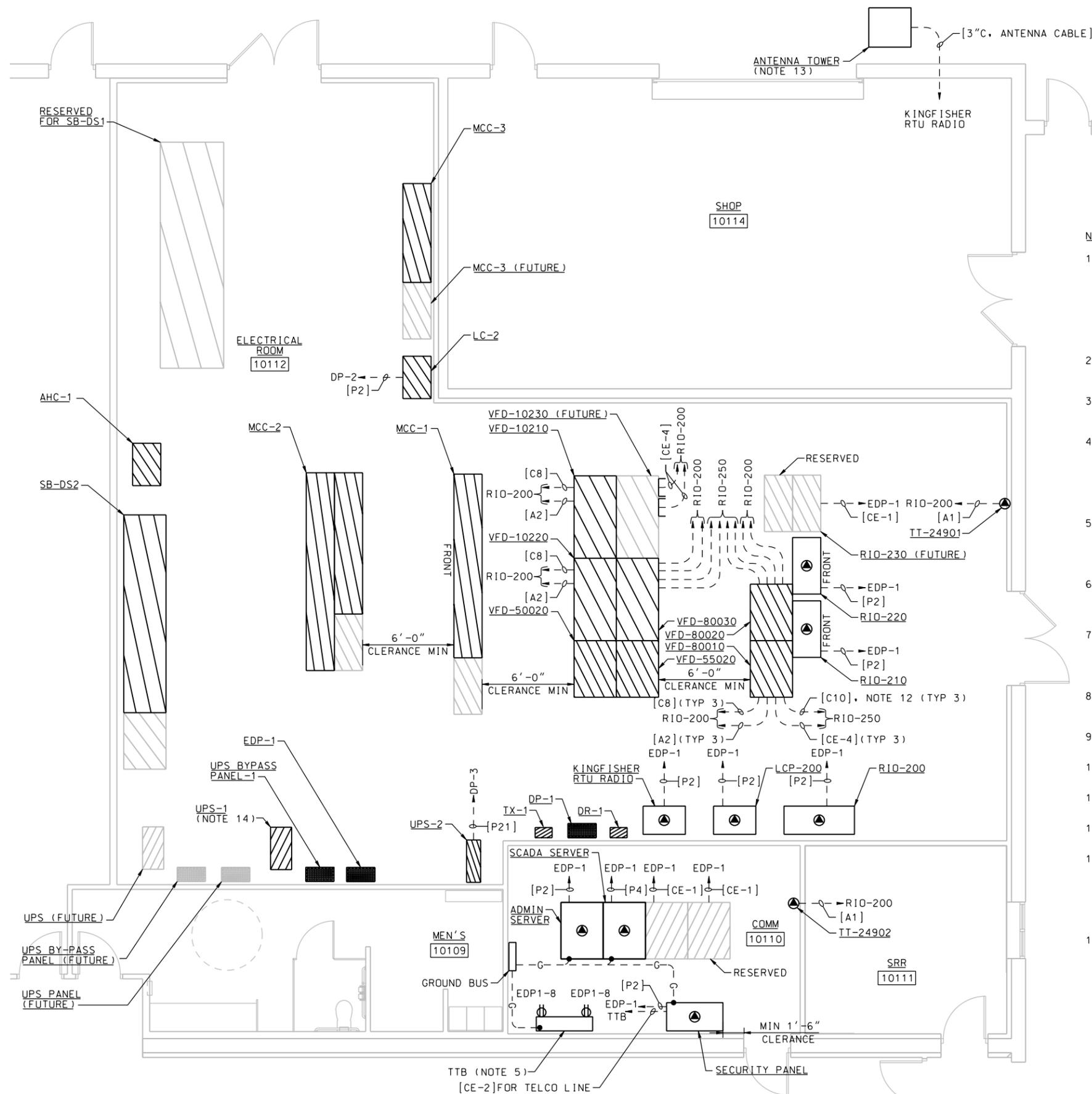


PLOT DATE: 2/19/2010 PLOT TIME: 11:08:25 AM

NDM-SCO-EMWD USACE PERRIS II/ PDF.e110a.dgn



NOTES:

- CONTRACTOR SHALL PROVIDE AND SUBMIT FOR REVIEW, A DETAILED FULLY DIMENSIONED EQUIPMENT LAYOUT USING ACCURATE DIMENSIONS OF ACTUAL EQUIPMENT SUPPLIED. CONTRACTOR SHALL ADJUST SPACING AS REQUIRED TO FIT ALL EQUIPMENT IN THE SPACE INDICATED, INCLUDING FUTURE EQUIPMENT. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF PROPOSED EQUIPMENT DIMENSIONS ARE LARGER THAN INDICATED. MINIMUM DIMENSIONS SHALL BE MAINTAINED AS SHOWN. CONTRACTOR SHALL COORDINATE AND MODIFY THE CONDUIT ROUTING IF FINAL LAYOUT IS SIGNIFICANTLY DIFFERENT THAN SHOWN.
- FOR EQUIPMENT SHOWN AS FUTURE, PROVIDE CONDUITS STUBBED AND CAPPED AT EQUIPMENT LOCATIONS SHOWN AND AT HOMERUN DESTINATION SHOWN.
- SOLID LINES INDICATE NEW EQUIPMENT INSTALLATION. SCREEN LINES INDICATE FUTURE EQUIPMENT. MAINTAIN OPEN SPACES FOR FUTURE EQUIPMENT AS SHOWN.
- CONTRACTOR SHALL PROVIDE CIRCUITING BETWEEN THE ELECTRICAL EQUIPMENT AND PROCESS EQUIPMENT AS SHOWN ON THE SINGLE LINE DIAGRAMS, DRAWINGS E-3, E-4, E-5, E-6, AND E-7. CONDUIT ROUTING BETWEEN ELECTRICAL EQUIPMENT SHALL BE BELOW GRADE OR EMBEDDED IN SLAB. AT CONTRACTOR'S OPTION, THE CONTRACTOR MAY PROPOSE USING SUSPENDED CABLE TRAY FOR THE PORTION OF BELOW GRADE CONDUCTOR AND CONDUIT ROUTING (ONLY IN ELECTRICAL ROOM).
- INSTALL A 4'-0" X 8'-0" X 3/4" PLYWOOD BACKBOARD MOUNTING PANELS. SEE SPECIFICATION SECTION 27 10 00 - BUILDING TELECOMMUNICATIONS CABLING SYSTEM. MOUNT PLYWOOD HORIZONTALLY WITH BOTTOM 2'-0" AFF. MOUNT DUPLEX RECEPTACLES ON THE BACKBOARD 4'-0" AFF.
- CIRCUIT NUMBERS ARE SHOWN ADJACENT TO RECEPTACLES. FURNISH, INSTALL, AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE RECEPTACLES AND EQUIPMENT CONNECTIONS ASSIGNED TO THE BRANCH CIRCUITS SHOWN.
- GROUNDING CONDUCTORS IN THE COMMUNICATION ROOM BETWEEN THE GROUND BAR AND EQUIPMENT SHOWN SHALL BE INSTALLED BELOW FINISHED GRADE IN CONDUITS TO PREVENT TRIPPING HAZARDS. REFER TO SPECIFICATION SECTION 28 05 26.00 40 - GROUNDING AND BONDING FOR ELECTRONIC SAFETY AND SECURITY.
- CONTRACTOR SHALL GROUND ALL ELECTRICAL EQUIPMENT AND PROCESS EQUIPMENT CONTROL PANELS WITH A #2/0 BARE COPPER GROUND CABLE CONNECTED TO THE GROUNDING NETWORK INDICATED ON DRAWING E-2.
- SEE DRAWING E-10 - COMMUNICATIONS RISER DIAGRAM FOR ADDITIONAL COMMUNICATION CONDUIT AND CABLING REQUIREMENTS.
- SEE DRAWINGS E-1 SITE PLAN AND E-16 DUCTBANK RACEWAY SCHEDULE FOR DUCTBANK ROUTING AND INTERCONNECTION.
- SEE DRAWING E-22 LOW VOLTAGE LIGHTING CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- INCLUDE 4 ADDITIONAL SPARE DISCRETE CIRCUITS. PROVIDE 5'-0" COIL IN BOTH PANELS AND IDENTIFY AS "SPARES".
- CONTRACTOR TO PROVIDE A 50' ALUMINUM ANTENNA TOWER, MODEL #HD 21-50, MANUFACTURED BY UNIVERSAL MANUFACTURING CORP. FOR LOCATION OF ANTENNA MAST FOUNDATION, SEE DRAWING C-1. INSTALL ANTENNA, ANTENNA MAST, COAXIAL ANTENNA CABLE, AND SURGE PROTECTION AS PER (4091-504G). SEE SPECIFICATIONS 409500 FOR ADDITIONAL REQUIREMENTS.
- SEE DRAWING E-7. OPERATIONS BUILDING ONE LINE DIAGRAM, FOR WIRING REQUIREMENTS.

ELECTRICAL ROOM AND COMMUNICATION ROOM PLAN
1/4"=1'-0"



DESIGNED BY: A. MATHEWS DRAWN BY: J. HAWKER CHECKED BY: R. DENTON	EASTERN MUNICIPAL WATER DISTRICT PERRIS II DESALINATION FACILITY PERRIS, CALIFORNIA	REVISIONS	DATE	APPROVAL
		SYMBOL	DESCRIPTIONS	
U.S. ARMY ENGINEER DISTRICT LOS ANGELES CORPS OF ENGINEERS		ADMIN AREA MISCELLANEOUS PLAN 1		
SUBMITTED BY: ART. JUNG, P.E. CHIEF, DESIGN BRANCH		SPEC. NO.: NOT APPLICABLE		
CADD FILE NAME: PDF.e110a.dgn		L.A. DISTRICT FILE NO. XXX-XXXX		