

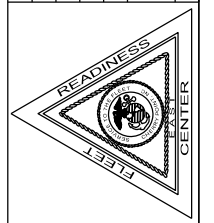
**ELECTRICAL NEW WORK NOTES:**

- E1. ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.  
ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH EXISTING OVERHEAD CRANE/HOIST, DUCTS, PIPES, STRUCTURES AND OTHER SYSTEMS. COORDINATE WORK WITH ALL TRADES PRIOR TO START OF CONSTRUCTION. BRANCH CIRCUIT CONDUIT ROUTING SHALL BE COORDINATED IN THE FIELD BY THE CONTRACTOR TO MEET SPECIFICATION, CODE REQUIREMENTS, AND TO PROVIDE A NEAT, WORKMAN LIKE, FULLY OPERATIONAL SYSTEM.
- E2. ALL WORK ON THIS PROJECT SHALL BE ACCOMPLISHED IN A MANNER THAT WILL NOT INTERFERE WITH NORMAL PRODUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE ANY WORK TO BE PERFORMED WITH THE SHOP SUPERVISOR TO MINIMIZE IMPACT THE FRC EAST PRODUCTION OPERATION AND INTERFERE WORKLOAD OF THE SHOP. ALL POWER OUTAGES AND ANY OTHER SUCH WORK THAT COULD CAUSE INTERFERENCE WITH NORMAL PRODUCTION ACTIVITIES SHALL BE SCHEDULED AND COMPLETED ON WEEKENDS AND/OR HOLIDAYS.  
POWER OUTAGES REQUEST SHALL BE SUBMITTED A MINIMUM 2 WEEKS (14 DAYS) IN ADVANCE FOR FRC EAST UTILITY AND PRODUCTION DEPARTMENT CONCURRENCE AND APPROVAL.
- E3. THE CONTRACTOR SHALL CLEAN UP AND DISPOSE OF ANY AND ALL WASTE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS THAT WAS GENERATED IN THE CONSTRUCTION AT THE FACILITY. THE AREA SHALL BE KEPT CLEAN AT ALL TIMES TO PREVENT FOREIGN OBJECT DEBRIS (FOD) IN ACCORDANCE WITH FRC EAST INST 4790.11H.
- E4. REMOVE THE CONDUIT RUNS FROM CENTRAL HYRAULIC MOTOR CONTROLLER BACK TO WALL INSIDE THE SHOP 94304.  
REMOVE THE JUNCTION BOX, PATCH AND SEAL THE WALL PENETRATION WITH APPROVED SEALANT COMPOUND.

**NEW WORK - PARTIAL PLAN VIEW**  
SCALE: NOT TO SCALE

- E5. PROVIDE AND INSTALL NEW SQUARE D, I-LINE PANEL, 480VAC, 35KAIC, 3-PH, 42 SPACES, WITH 600A MAIN CIRCUIT BREAKER, TOP FED, COMPLETE PANEL WITH HINGED DOOR (INTERIOR FRONT, MAIN CIRCUIT BREAKER ON TOP, GROUNDING BAR, ADAPTER KIT, ENCLOSURE, ETC). LABEL THE PANEL AS "PPF8". SEE SHEET #2 FOR DETAIL.
- E6. ALL NEW CONDUIT RUNS SHALL NOT BE INTERFERING WITH THE OVERHEAD CRANE OPERATION AND MOVEMENT. THE CONTRACTOR IS RESPONSIBLE TO RELOCATE AND SECURE THE EXISTING MECHANICAL STOP BUMPER ON THE OVERHEAD CRANE RAIL FOR 5 FEET FROM THE WALL.
- E7. 1). PROVIDE AND EXTEND PARALLEL CONDUIT RUNS FROM EXISTING 2-1/2" EMT CONDUITS IN THE SHOP THROUGH THE WALL PENETRATION AND ABOVE THE ROLL UP DOOR TO NEW 600AMP SQUARE D, I-LINE PANEL.  
2). PROVIDE APPROPRIATE SIZED PULL BOX FOR THE PARALLEL CONDUITS RUNS. PULL BOX LOCATION IS FOR REFERENCE ONLY, CONTRACTOR DETERMINES SUITABLE LOCATION.
- E8. PROVIDE NEW PARALLEL ELECTRICAL SERVICE FROM THE EXISTING 600A BRANCH CIRCUIT BREAKER (PREVIOUS USED FOR CENTRAL HYDRAULIC SYSTEM) IN THE WESTINGHOUSE SWITCHGEAR TO NEW I-LINE PANEL BY USING THREE (3)-350 MCM AND 1-#1 AWG FOR EQUIPMENT GROUNDING CONDUCTOR FOR EACH CONDUIT RUN.  
ALL WIRING CONDUCTORS SHALL BE STRANDED COPPER, THHN/THWN-2.  
THERE SHALL BE NO SPLICE IN THE NEW ELECTRICAL SERVICE /FEEDER.

ZONE	REV	DESCRIPTION	DATE	APPR



DESIGNER	D.L. INGO	9-23-13
DRAWN	D.L. INGO	
CHECKED	A. WETHERINGTON	
REVIEWED	J. WINSKIUS	
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FIRE DEPT	K. PROKOPIEWS	
ENR/IR		
APPROVED		

FLEET READINESS CENTER EAST  
U.S. MARINE CORPS AIR STATION, CHERRY POINT, N.C.  
**ELECTRICAL SERVICE FOR  
CENTRAL HYDRAULIC SYSTEM IN BLDG 137  
(NEW WORK - INSTALL 600A ELECTRICAL SERVICE)**  
MAINTENANCE PLANING & SUBSTANTIAL DR. DATE: N/A  
PE-21370P

BUILDING 137	
SHOP 94304	
SIZE: D	CODE IDENT. NO.: 96916
PE-21370P	REV.:
SCALE: NONE	
FP # 80688	
SHEET 5 OF 8	