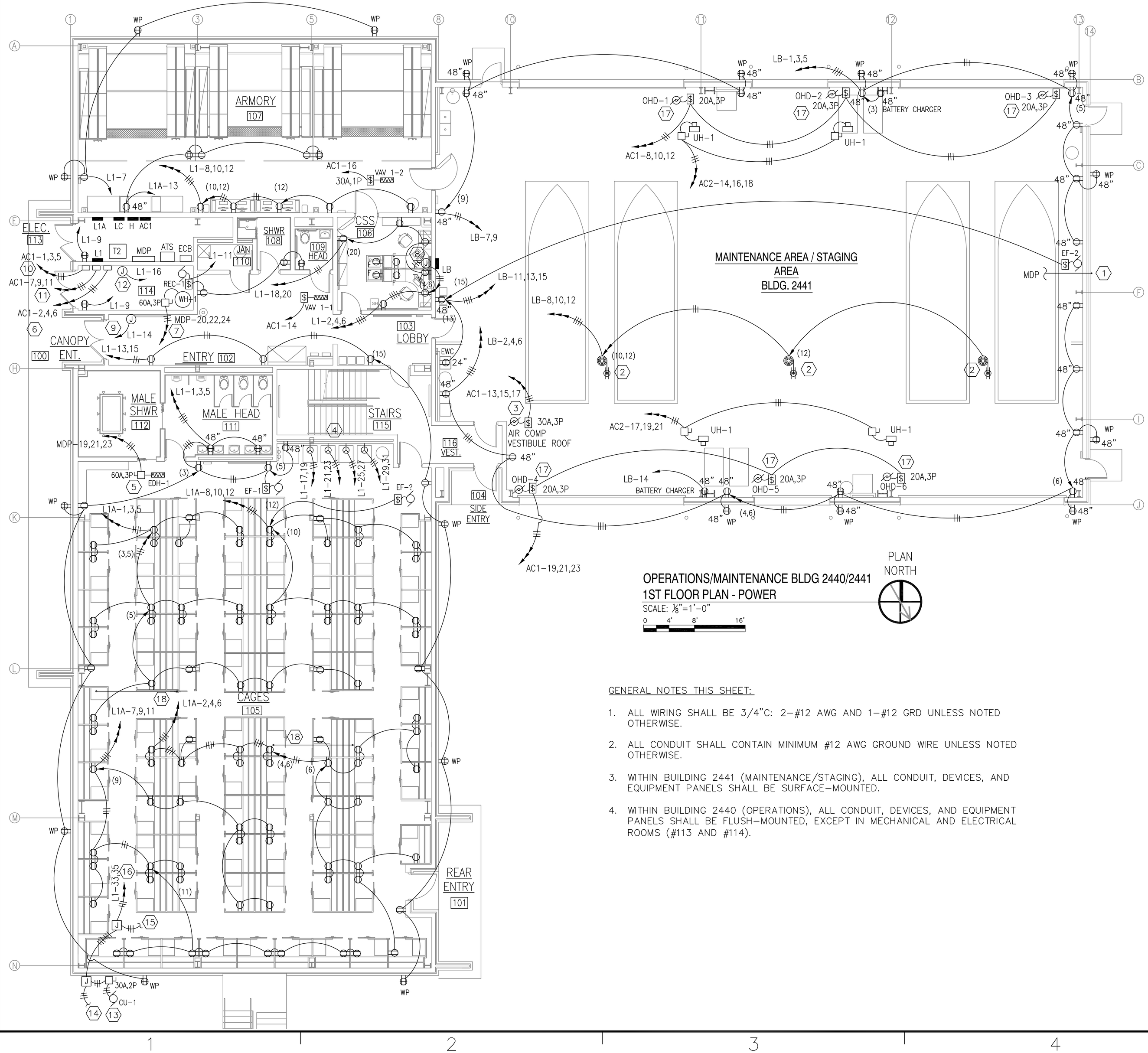

PLAN NORTH

OPERATIONS/MAINTENANCE BLDG 2440/2441
1ST FLOOR PLAN - POWER
SCALE: ⅛"=1'-0"
0 4' 8' 16'

GENERAL NOTES THIS SHEET:

1. ALL WIRING SHALL BE 3/4"C: 2–#12 AWG AND 1–#12 GRD UNLESS NOTED OTHERWISE.
2. ALL CONDUIT SHALL CONTAIN MINIMUM #12 AWG GROUND WIRE UNLESS NOTED OTHERWISE.
3. WITHIN BUILDING 2441 (MAINTENANCE/STAGING), ALL CONDUIT, DEVICES, AND EQUIPMENT PANELS SHALL BE SURFACE–MOUNTED.
4. WITHIN BUILDING 2440 (OPERATIONS), ALL CONDUIT, DEVICES, AND EQUIPMENT PANELS SHALL BE FLUSH–MOUNTED, EXCEPT IN MECHANICAL AND ELECTRICAL ROOMS (#113 AND #114).

SPECIFIC NOTES THIS SHEET:

(1) 1–1/2"C WITH PULLSTRING: FOR FUTURE USE BY OWNER. STUB 6" ABOVE GRADE AND CAP. ROUTE TO PANEL MDP AND TERMINATE IN ENCLOSURE.

(2) REELCRAFT L–4545–123–7A, MOUNTED TO STRUCTURE ABOVE, APPROXIMATE ELEVATION 25' AFF. PROVIDE 20A DUPLEX GFI RECEPTACLE IN BACKBOX WITH COVER. ADJUST BUMPER STOP FOR BACKBOX TO HANG 6' AFF.

(3) 3/4"C: 3–#10 AWG, 1–#10 GRD. PROVIDE FINAL CONNECTIONS TO AIR COMPRESSOR LOCATED ON DECK ABOVE VESTIBULE.

(4) NEMA 14–30 RECEPTACLES FOR WASHER DRYER UNIT, TOTAL OF 4 LOCATIONS. MOUNT 48" AFF. 3/4"C: 3–#10 AWG, 1–#10 GRD.

(5) 3/4"C: 3–#8 AWG, 1–#10 GRD. PROVIDE FINAL CONNECTIONS TO ELECTRIC DUCT HEATER.

(6) 3/4"C: 3–#12 AWG, 1–#12 GRD. PROVIDE FINAL CONNECTIONS TO AIR HANDLER THROUGH VFD CONTROLLER PROVIDED AND INSTALLED BY MECHANICAL.

(7) 3/4"C: 3–#8 AWG, 1–#10 GRD. PROVIDE FINAL CONNECTIONS TO ELECTRIC WATER HEATER.

(8) PROVIDE JUNCTION BOX AND CONNECTORS AS NECESSARY FOR TERMINATING PRE–WIRED FURNITURE PANEL FLEXIBLE CONNECTOR. RECEPTACLES IN FURNITURE PANEL ARE PROVIDED AND WIRED BY PANEL MANUFACTURER.

(9) PROVIDE HARD–WIRE CONNECTION TO FIRE ALARM CONTROL PANEL.

(10) 3/4"C: 3–#10 AWG, 1–#10 GRD. PROVIDE FINAL CONNECTIONS TO CHILLED WATER PUMP PM–1 THROUGH VFD CONTROLLER PROVIDED AND INSTALLED BY MECHANICAL. FROM VFD, ROUTE UNDERGOUND TO PUMP MOUNTED ON CHILLER PAD. PROVIDE NEMA–3R UNFUSED DISCONNECT AT PUMP.

(11) 3/4"C: 3–#10 AWG, 1–#10 GRD. PROVIDE FINAL CONNECTIONS TO CHILLED WATER PUMP PM–2 THROUGH VFD CONTROLLER PROVIDED AND INSTALLED BY MECHANICAL. FROM VFD, ROUTE UNDERGOUND TO PUMP MOUNTED ON CHILLER PAD. PROVIDE NEMA–3R UNFUSED DISCONNECT AT PUMP.

(12) PROVIDE HARD–WIRE CONNECTION TO TEMPERATURE CONTROL PANEL.

(13) 3/4"C: 3–#10 AWG, 1–#10 GRD. PROVIDE FINAL CONNECTIONS TO CU–1.

(14) 3/4"C: 3–#10 AWG AND 1–#10 GRD. CONNECT OT OUTPUT TERMINALS IN CU–1 FOR CONTROL OF EVAPORATOR MOTOR.

(15) 3/4"C: 3–#10 AWG, 1–#10 GRD. ROUTE TO EVAPORATOR UNIT ON SECOND FLOOR, ROOM 201.

(16) 3/4"C: 3–#10 AWG, 1–#10 GRD.

(17) PROVIDE FINAL CONNECTIONS TO 480V, 3P MOTOR FOR OVERHEAD DOOR. PROVIDE CONDUIT WIRE AND BACKBOX FOR START/STOP CONTROLS. MOTOR INSTALLATION AND START/STOP CONTROLS PROVIDED BY OVERHEAD DOOR INSTALLER.

(18) CONDUIT OVERHEAD FOR FLOORBOX ON SECOND FLOOR. SEE SHEET E4.2 FOR FURTHER INFORMATION.

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SEPTEMBER 4, 2009

STATE OF LOUISIANA
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REGISTERED PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
SEAL

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
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NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION JACKSONVILLE
MISSISSIPPI

SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY

BLDG 2440/2441 1ST FLOOR - POWER

CODE ID. NO. N4412	SIZE D
SCALE:	1/8"=1'-0"
MAXIMO NO.	######
STA. PROJ. NO.	P–210
WORK ORDER NO.	510247
CONSTR. CONTR. NO.	N62467–05–D–0096
NAVFAC DRAWING NO.	15026760
SHEET	113 OF 132

E4.1

DRAWFORM REVISION: 01 JAN 2009

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY OR UNDER OUR DIRECT SUPERVISION. TO THE BEST OF OUR KNOWLEDGE, THEY COMPLY WITH ALL REGULATORY REQUIREMENTS. WE ARE NOT GENERALLY ADMINISTERING THE WORK.

SCHLAFLY ENGINEERING LLC 9–4–09

PER:

REG. # 27699

APPR | DATE | DESCRIPTION | STM

REVDATE: FILE NAME: C:\Schlafly ENGR\08010 SOF Riverine\Drawings\Elec\V–Final\E4.1.dwg LAYOUT NAME: E4.1 PLOTTED: Wednesday, September 02, 2009 – 11:07am