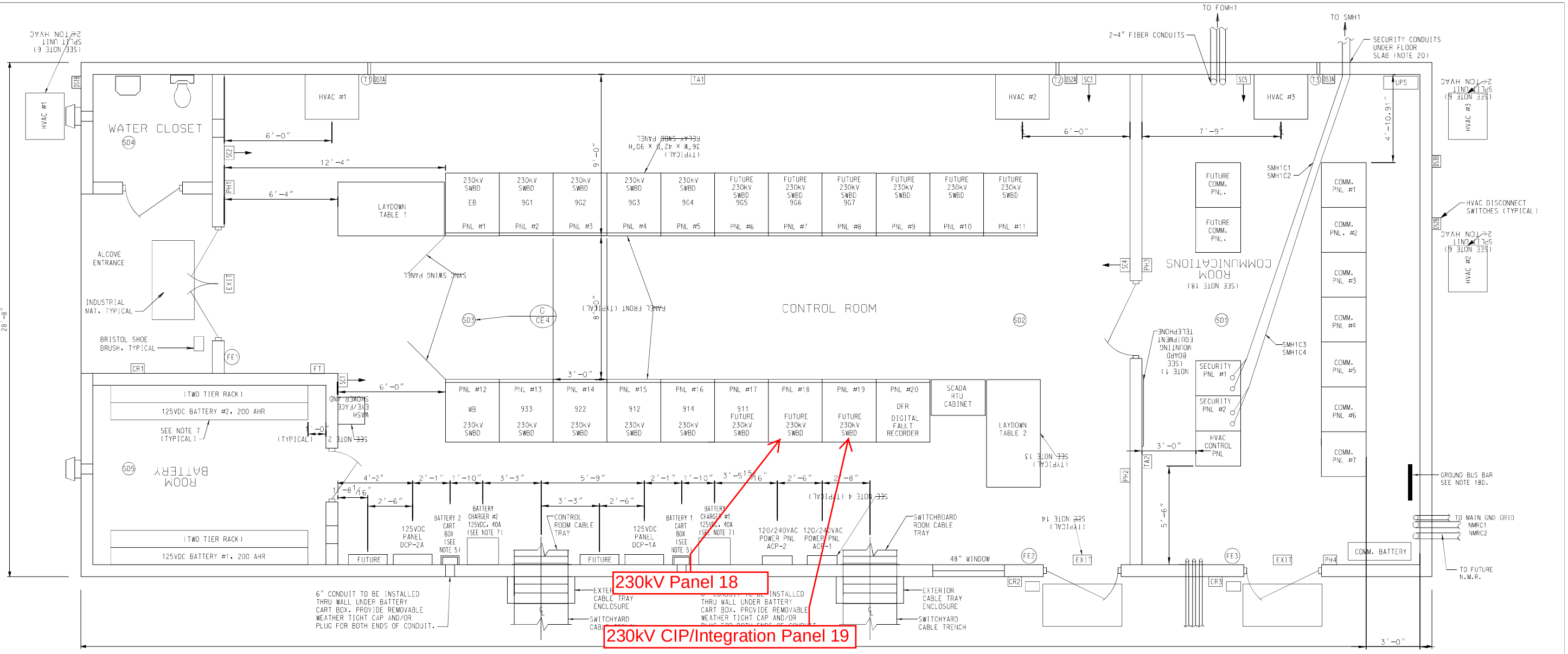

NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL TWO 3' X 3¼"X PLYWOOD TELEPHONE EQUIPMENT MOUNTING BOARDS IN THE LOCATIONS SHOWN ON THIS DRAWING. THE TOP OF THE TELEPHONE BOARDS SHALL BE MOUNTED 6'-0" ABOVE THE FINISHED FLOOR.
   A. PAINT EACH TELEPHONE BOARD WITH FIRE RETARDANT PAINT. FINISH COLOR TO BE WHITE.
   B. ATTACH 48" X 48"X¼"X TELEPHONE BOARD TO WALL IN COMMUNICATIONS ROOM WITH TOP 6'-0" ABOVE THE FINISHED FLOOR.

2. CONTRACTOR SHALL FURNISH AND INSTALL ONE EYE/FACE WASH UNIT (WALL MOUNTED). SPEAKMAN MODEL NO. SE-603.

3. CONTRACTOR SHALL FURNISH AND INSTALL TWO TEMPERATURE ALARM THERMOSTATS AT LOCATIONS SHOWN ON THIS DRAWING. THE THERMOSTATS SHALL HAVE TEMPERATURE RANGE FROM 50°F TO 90°F. WITH AN ADJUSTABLE TEMPERATURE DIFFERENTIAL OF 3°F TO 30°F. AND AN ALARM CONTACT RATED 0.5 AMPERE, 125 VDC. THERMOSTATS SHALL BE JOHNSON CONTROLS A72AA-3 OR ACCEPTABLE EQUAL. THERMOSTATS SHALL BE MOUNTED ON WALL 4'-6" ABOVE FINISHED FLOOR.

4. CONTRACTOR SHALL FURNISH AND INSTALL ALL AC AND DC STATION SERVICE POWER PANELS AT THE LOCATIONS SHOWN ON THIS DRAWING. THE TOP OF THE AC AND DC POWER PANELS SHALL BE MOUNTED 6'-6" ABOVE FINISHED FLOOR. THE AC AND DC POWER PANELS SHALL BE IN ACCORDANCE WITH DRAWING GE102LV1 AND THE SPECIFICATIONS.

5. CONTRACTOR SHALL FURNISH AND INSTALL THE BATTERY CART BOXES (QTY 2) IN ACCORDANCE WITH DETAIL J, DRAWING GE102CE5. THE TOP OF THE BATTERY CART BOX SHALL BE 4'-0" ABOVE FINISHED FLOOR.

6. THE CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) TON SPLIT UNIT HVAC UNITS. COMPLETE WITH THERMOSTAT AND DUCT WORK IN THE CONTROL ROOM ALSO. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) TON SPLIT HVAC UNIT COMPLETE WITH THERMOSTAT AND DUCT WORK IN THE COMMUNICATIONS ROOM. THE CONTRACTOR SHALL FURNISH AND INSTALL INTERIOR AND EXTERIOR HVAC DISCONNECT SWITCHES. SEE DETAIL G, DRAWING GE102CE5. THE CONTRACTOR SHALL INSTALL ALL WALL PENETRATIONS REQUIRED FOR THESE AC UNITS. ONE 2" CONDUIT FOR FREON LINE AND ONE (1) 1" CONDUIT FOR A DRAIN LINE. PER A/C UNIT. IN LOCATIONS TO BE DETERMINED BY JEA PROJECT REPRESENTATIVE.

7. THE OWNER WILL FURNISH TWO (2), 125VDC BATTERIES, RACKS AND CHARGERS. PICKUP AND TRANSPORTATION TO THE SITE BY THE CONTRACTOR. INSTALLATION OF THE BATTERY CHARGERS WITH ASSEMBLY AND INSTALLATION OF BATTERIES AND RACKS BY MANUFACTURER.

8. THE OWNER WILL FURNISH THE 230KV SWITCHBOARD PANELS AND SCADA RTU CABINET. THE RELAY PANELS SHALL BE DELIVERED TO THE JOB SITE BY THE RELAY PANEL MANUFACTURER. CONTRACTOR SHALL UNLOAD THEM FROM THE TRUCK AND INSTALL THEM PER THESE PLANS AND DRAWINGS. INSTALLATION SHALL INCLUDE ANCHORING THE EQUIPMENT TO THE CONTROL BUILDING FLOOR AND CONNECTING THE PANELS/CABINETS TO THE CABLE TRAY GROUND CONDUCTOR.

9. THE CARD READERS, SECURITY CAMERAS AND SECURITY PANELS WILL BE FURNISHED AND INSTALLED BY THE OWNER.

10. THE COMMUNICATIONS AND NETWORK PANELS WILL BE FURNISHED AND INSTALLED BY THE OWNER.

11. SEE DRAWING GE102CP2 AND DRAWING GE102CP3 FOR CONTINUATION OF CONDUIT RUNS.

12. TOP OF CONTRACTOR FURNISHED AND INSTALLED DRY SODA TYPE FIRE EXTINGUISHER SHALL NOT EXCEED 5'-0" ABOVE FINISHED FLOOR. BOTTOM OF FIRE EXTINGUISHER SHALL NOT BE LOWER THAN 6" ABOVE FINISHED FLOOR.

13. THE CONTRACTOR SHALL FURNISH TWO (2) 3' x 6' LAYDOWN TABLES. BOISE OFFICE FURNITURE #E8UTM3672WPCHR. THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL, IN A LOCATION APPROVED BY THE PROJECT REPRESENTATIVE, FOUR (4) EACH SHEET-FILE PLAN CENTERS, OFFICE MAX #20092150, FOUR (4) EACH SHEET HANGING CLAMP (2 CARTONS OF 6), OFFICE MAX #20092189, ONE (1) EACH HON STEEL STORAGE CABINET WITH 5 ADJUSTABLE SHELVES, 7134"H X 36"W X 2414"D, LIGHT GRAY, OFFICE DEPOT ITEM # 989780, AND FOUR (4) LEGAL FILE 530 SERIES FOUR-DRAWER, OFFICE MAX #20555061, OR APPROVED EQUAL. TWO (2) OF THE FOUR (4) CONTRACTOR-FURNISHED LEGAL FILES AND TWO (2) OF THE FOUR (4) ASSEMBLED SHEET-FILE PLAN CENTERS SHALL BE DELIVERED BY THE CONTRACTOR TO THE JEA DOCUMENT CENTER IN JACKSONVILLE, FL. THE REMAINING ITEMS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE JEA PROJECT REPRESENTATIVE.

14. CONTRACTOR SHALL FURNISH AND INSTALL EXIT SIGN OVER EVERY EXIT DOOR. LIGHTWORLD MODEL L-XR-EM WITH BATTERY BACKUP. PUSH TO TEST AND OPERATES ON 120VAC.

15. THE CONTRACTOR TO COORDINATE LOCATIONS OF TELEPHONES WITH JEA PROJECT REPRESENTATIVE. APPROXIMATE LOCATIONS ARE INDICATED. RACEWAY AND WALL MOUNT BOXES FURNISHED AND INSTALLED BY THE CONTRACTOR. JEA WILL FURNISH AND INSTALL CABLES AND TELEPHONE HANDSETS.

16. THE CONTRACTOR SHALL INSTALL A MINIMUM OF 4-4" AND 8-2" CONDUITS IN CONTROL HOUSE FLOOR WITH CONNECTIONS TO RACEWAY EXTERNAL TO THE CONTROL HOUSE. LOCATION OF THESE CONDUITS SHALL BE COORDINATED WITH JEA PROJECT REPRESENTATIVE.

17. SCADA RTU FURNISHED BY JEA FOR TRANSPORTATION TO THE SITE. INSTALLATION AND CONNECTION BY THE CONTRACTOR. INSTALLATION SHALL INCLUDE ANCHORING THE EQUIPMENT TO THE CONTROL HOUSE FLOOR AND CONNECTING TO THE CABLE TRAY GROUND CONDUCTOR.

18. COMMUNICATIONS ROOM:
   A. FLOOR IN COMMUNICATIONS ROOM SHALL BE FINISHED BUT NOT SEALED. JEA SHALL FURNISH AND INSTALL PAINT FOR THE COMMUNICATIONS ROOM FLOOR.
   B. THE CONTRACTOR SHALL COORDINATE SCHEDULE OF WORK IN THE COMMUNICATIONS ROOM WITH JEA.
   C. PANELS, BATTERY AND CABLE TRAY IN COMMUNICATIONS ROOM FURNISHED AND INSTALLED BY JEA.
   D. THE CONTRACTOR SHALL FURNISH AND INSTALL A GROUND BUS BAR ON THE COMMUNICATIONS ROOM WALL AS SHOWN. THIS GROUND BUS SHALL BE 4" X 60" COPPER BAR WITH CONNECTION TO THE CABLE TRAY GROUND AT A SINGLE POINT. GROUND BUS SHALL BE MOUNTED ON INSULATORS WITH DRILLING AND TAPPING AS DIRECTED BY JEA.

19. THE CONTRACTOR SHALL FURNISH AND INSTALL FIVE (5) SMOKE DETECTORS GE MODEL 350CX IN THE LOCATIONS SHOWN ON THIS DRAWING. MOUNT SMOKE DECTECTOR ELECTRICAL BOX TO NEAREST UNOBSTRUCTED CEILING JOIST.

20. CONTRACTOR TO FURNISH AND INSTALL FOUR (4) 2" SCH. 40 PVC CONDUITS FROM SECURITY MANHOLE SMH1 TO SECURITY PANELS 1 & 2 AS SHOWN ON THIS DRAWING. STUB UP THROUGH FLOOR IN LOCATION SHOWN.

LEGEND:

- CR - CARD READER (FURNISHED & INSTALLED BY JEA)
- DS - HVAC ELECTRICAL DISCONNECT SWITCH
- FE - FIRE EXTINGUISHER (SEE NOTE 12)
- PH - WALLMOUNT/ TELEPHONE HANDSET (SEE NOTE 15)
- SC - SECURITY CAMERA (FURNISHED & INSTALLED BY JEA)
- SD - SMOKE DETECTOR (FURNISHED & INSTALLED BY CONTRACTOR)
- T - HVAC UNIT THERMOSTAT (FURNISHED & INSTALLED BY JEA)
- TA - TEMPERATURE ALARM THERMOSTAT (FURNISHED & INSTALLED BY JEA)
- —— - (2) -2" SCH. 40 PVC CONDUITS PLACED IN SLAB
- FT - INTERMATIC FAN TIMER MODEL T1975 (FURNISHED AND INSTALLED BY CONTRACTOR)

12"6"0 1' 2' 3' 4' 5' 6' 7'

JEA
BUILDING COMMUNITY
21 W CHURCH ST.
JACKSONVILLE, FLORIDA 32202

CONSULTANT INFORMATION

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: -
LIC. NO.: -
STATE: -
DATE: -

REV	DATE	PROJ #	REVISION DESCRIPTION	BY	REVIEW
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ENGINEERING	
DATE	-
BY	-
REVIEW	-
DRAFTING	
DATE	-
BY	-
REVIEW	-

GEC 230 kV BAY AND BREAKER ADDITION FOR CIRCUIT 909

CONTROL HOUSE PLAN

GREENLAND ENERGY CENTER SWITCHYARD

SUBSTATION & TRANSMISSION ENGINEERING

SCALE: AS SHOWN

PROJ #: 8004817

DRAWING NAME: GE2017-CH.dgn

DRAWING SET: GE2017

DRAWING #: # OF ##

SHEET #: 1 OF ##

JEA ARCHIVE FORM GE2017CAD(8) 2010-04-16 - 10:10