

GROUND FLOOR PLAN - POWER

1/4" = 1'-0" 2

PLAN NOTES (THIS DWG)

1. PROVIDE (1) FIRE ALARM SYSTEM HEAT DETECTOR AND (1) FIRE ALARM SMOKE DETECTOR FOR EACH SPRINKLER HEAD IN THE ELEVATOR PIT AND AT THE TOP OF THE ELEVATOR SHAFT. MOUNT WITHIN 2'-0" HORIZONTALLY OF EACH SPRINKLER HEAD. INSTALL SMOKE DETECTOR ADJACENT TO HEAT DETECTOR.
2. INSTALL THE RECEPTACLE 4'-1" ABOVE THE ELEVATOR PIT FLOOR TO THE BOTTOM OF THE RECEPTACLE, AT LOCATION AS DIRECTED BY THE ELEVATOR EQUIPMENT INSTALLER OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROVIDE WEATHERPROOF-IN-USE COVER.
3. INSTALL RECEPTACLE FOR ELEVATOR SUMP PUMP LOCATED ABOVE THE SUMP PUMP AT 4'-1" ABOVE THE ELEVATOR PIT FLOOR TO THE BOTTOM OF THE RECEPTACLE, EXCEPT AS OTHERWISE DIRECTED BY THE ELEVATOR EQUIPMENT INSTALLER OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROVIDE WEATHERPROOF-IN-USE COVER.
4. PROVIDE A JUNCTION BOX AND CONDUIT FOR ELEVATOR CAB TELEPHONE. MOUNT JUNCTION BOX AT 4'-0" AFF FLOOR TO CENTER LOCATED AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
5. PROVIDE SHUNT TRIP CIRCUIT BREAKER WITH AUXILIARY CONTACTS IN NEMA 12 ENCLOSURE WITH EXTERNAL HANDLE OPERATOR, PAD-LOCKABLE IN THE OFF POSITION. THE ELEVATOR SHUNT TRIP CIRCUIT WILL BE THE SAME 120V EMERGENCY CIRCUIT SHOWN FOR EACH 2/30/20 DISCONNECT SWITCH SERVING EACH ELEVATOR'S CAB LIGHTS. ROUTE EACH ELEVATOR SHUNT TRIP CONTROL CIRCUIT THROUGH NORMALLY-OPEN AUXILIARY CONTACTS IN THE RESPECTIVE ELEVATOR EQUIPMENT ROOM, AT THE TOP, AND BOTTOM OF THE ELEVATOR SHAFT. WIRE THE HEAT DETECTOR AUXILIARY CONTACTS IN PARALLEL. CONNECT CONTROL CIRCUIT TO THE SHUNT TRIP DEVICE ON THE POWER CIRCUIT BREAKER SERVING THE ELEVATOR. PROVIDE A NORMALLY CLOSED CONTACT FOR THE ELEVATOR INSTALLER TO PROVIDE CONDUIT FROM OUTLET BOX TO ELEVATOR 2 CONTROLLER, INTERFACE MODULES, AND TO ATIS(S).
6. INTERFACE MODULE FOR EMERGENCY POWER CONTROL. PROVIDE 3/4" CONDUIT TO ELEVATOR 2 CONTROLLER, INTERFACE

PLAN NOTES CONT'D (THIS DWG)

7. PROVIDE (1) FIRE ALARM SYSTEM HEAT DETECTOR AND (1) FIRE ALARM SMOKE DETECTOR FOR EACH SPRINKLER HEAD IN THE ELEVATOR EQUIPMENT ROOM. MOUNT WITHIN 2'-0" HORIZONTALLY OF EACH SPRINKLER HEAD. INSTALL SMOKE DETECTOR ADJACENT TO HEAT DETECTOR.
8. CAST-IN-PLACE FLOOR BOX. FLOOR JUNCTION BOX SHALL BE RECESSED IN THE FLOOR AND SHALL BE PROVIDED WITH A COVER PLATE THAT IS FLUSH WITH THE FINISHED FLOOR. THAT IS THE TOP OF THE COVER PLATE WHEN INSTALLED IS FLUSH TO THE FINISHED FLOOR. ROUTE CONDUIT FROM FLOOR BOX WITHIN OR BELOW THE SLAB TO THE NEAREST INTERIOR WALL. FLOOR BOX SHALL BE SIZED FOR TWO DUPLEX RECEPTACLES.
9. FLUSH MOUNT MANUAL MOTOR STARTER RECESSED IN FINISHED WALL.
10. INSTALL RECEPTACLE FOR ELEVATOR SUMP PUMP ALARM AT 4'-0" AFF. LOCATE AS DIRECTED BY ELEVATOR EQUIPMENT INSTALLER OR AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROVIDE 3/4" EMPTY CONDUIT, WITH BUSHED ENDS, TO ELEVATOR SUMP PUMP PIT FOR ALARM WIRING.
11. REFER TO E2.2 FOR CONTINUATION. POWER FOR INDOOR AC UNIT SHALL BE CONNECTED TO OUTDOOR AC UNIT.
12. PROVIDE SURGE SUPPRESSOR THAT MUST BE CONNECTED TO AN UPSTREAM OVERCURRENT PROTECTIVE DEVICE. PROTECTIVE DEVICE SHALL BE SIZED PER NFPA REQUIREMENTS.
13. SURGE SUPPRESSORS: PROVIDE SURGE SUPPRESSORS AT SURGE CURRENT RATINGS INDICATED AND WITH BUILT-IN OVER CURRENT FUSING RATED AT 200/200 RMS SYMMETRICAL AMPERE AT 600VAC, CAPABLE OF BEING CONNECTED TO THE ELECTRICAL PANEL BUS.
14. COORDINATE WITH ELECTRIC WATER COOLER (EWC) INSTALLER FOR TYPE OF ELECTRICAL CONNECTION REQUIRED AND MOUNTING HEIGHT.
15. RECESSED OUTLET BOX FOR ACCESS CONTROL SYSTEM, MOUNTED AT 4'-0" AFF. EXTEND 3/4" CONDUIT FROM OUTLET BOX TO TELECOMMUNICATION ROOM AIR.

GENERAL NOTES (THIS DWG)

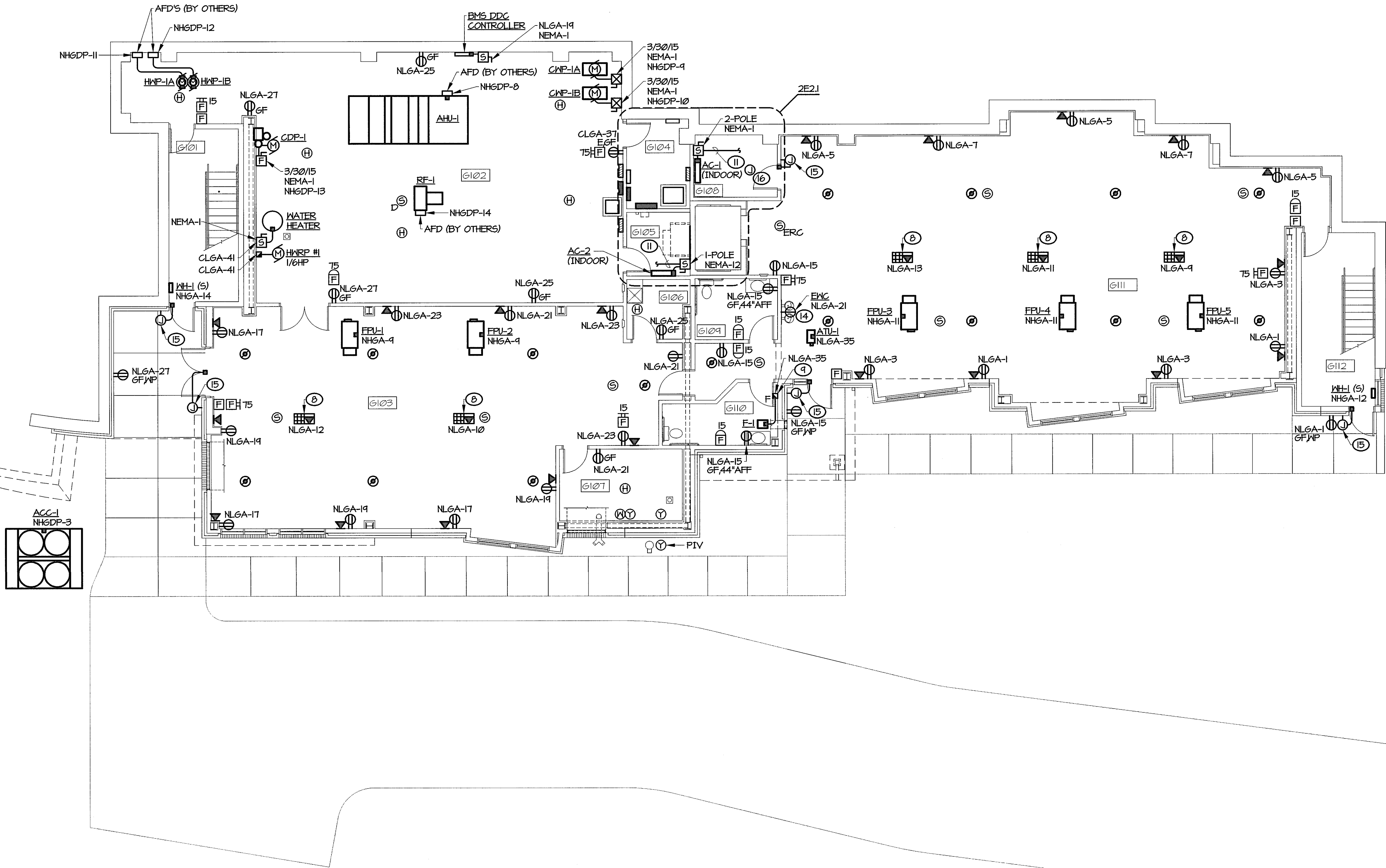
1. PROVIDE CONNECTIONS BETWEEN FIRE ALARM SYSTEM AND ALL SPRINKLER SYSTEM FLOW PRESSURE, AND SUPERVISORY SWITCHES, ETC. COORDINATE QUANTITY AND LOCATION OF SWITCH CONNECTIONS WITH THE SPRINKLER PLANS TO BE PROVIDED BY THE SPRINKLER CONTRACTOR.
2. REFER TO HVAC ELECTRICAL SEQUENCE CONTROL DIAGRAMS FOR ALL ELECTRICAL CONNECTION REQUIREMENTS TO ALL HVAC EQUIPMENT. NOTE: SOME HVAC CONNECTION MAY NOT BE SHOWN ON THIS DRAWING.
3. ALL WALL MOUNTED RECEPTACLES SHALL BE MOUNTED AS INDICATED ON DWG. E2.1 ELECTRICAL SYMBOL LEGEND AT 2'-0" AFF TO CENTER OF RECEPTACLE (UNO). RECEPTACLES LOCATED UNDER WINDOWS SHALL BE MOUNTED AT 1'-0" AFF TO CENTER OF RECEPTACLE WHERE BOTTOM OF FINISHED WINDOW IS LESS THAN 2'-0" AFF. WHERE BOTTOM OF WINDOWS ARE LESS THAN 1'-0" MOUNT RECEPTACLES AT 0" AFF TO CENTER OF RECEPTACLE. REFER TO ARCHITECTURAL DWGS. FOR WINDOW TYPES AND WINDOW SCHEDULE TO DETERMINE MOUNTING HEIGHTS.
4. REFER TO ELECTRICAL DRAWINGS AND DIVISION 26, 27, & 28 SPECIFICATIONS FOR BACK BOXES, RACEWAYS, EQUIPMENT, ETC. TO PROVIDE AND INSTALL FOR EACH LOW VOLTAGE SYSTEM (SECURITY SYSTEM, NURSE CALL SYSTEM, MANDER GUARD SYSTEM, TELEPHONE AND CABLE SYSTEMS, ETC.). PROVIDE INTERFACE BETWEEN FIRE ALARM SYSTEM SPECIFIED IN DIVISION 16 AND ANY DIVISION 17 LOW VOLTAGE SYSTEM WHERE REQUIRED.

PLAN NOTES CONT'D (THIS DWG)

16. PROVIDE A CEILING MOUNTED JUNCTION BOX FOR A MOTION INTRUSION DETECTOR. AN INTRUSION DETECTION ALARM SYSTEM WHICH DETECTS ENTRY INTO THE ROOM AND WHICH BROADCASTS A LOCAL ALARM (80 dB TO 40 dB) TO CAUSE AN ILLEGAL ENTRANT TO ABANDON A BURGLARY ATTEMPT.
17. GROUND BURNER. CONNECT (1) #10 COPPER GROUND CONDUCTOR IN A 1" SCHEDULE 40 PVC AS SHOWN ON DRAWING E4.1.

ROOM SCHEDULE

NUMBER	NAME
6101	STAIR 1
6102	MECH
6103	MAINT. & OPERATIONS
6104	ELEV
6105	ELEV MECH
6106	JAN STOR
6107	RISER ROOM
6108	COHM
6109	TOILET
6110	TOILET
6111	CAT
6112	STAIR 2



GROUND FLOOR PLAN - POWER

1/8" = 1'-0" 1

CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
		SFCS		GROUND FLOOR PLAN - POWER		Adult Day Care Building VA Medical Center		VA246-P-0568			
				Approved: Project Director		Location		Building Number		E2.1 Dwg. 74 of 11	
						Beckley, West Virginia		-			
Revisions:						Date		Checked		Drawn	
						08/05/2011		WAM		WAM	