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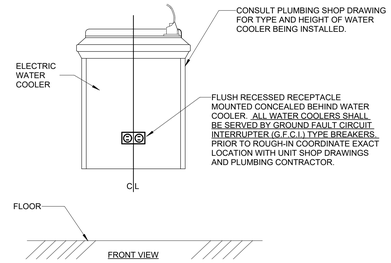
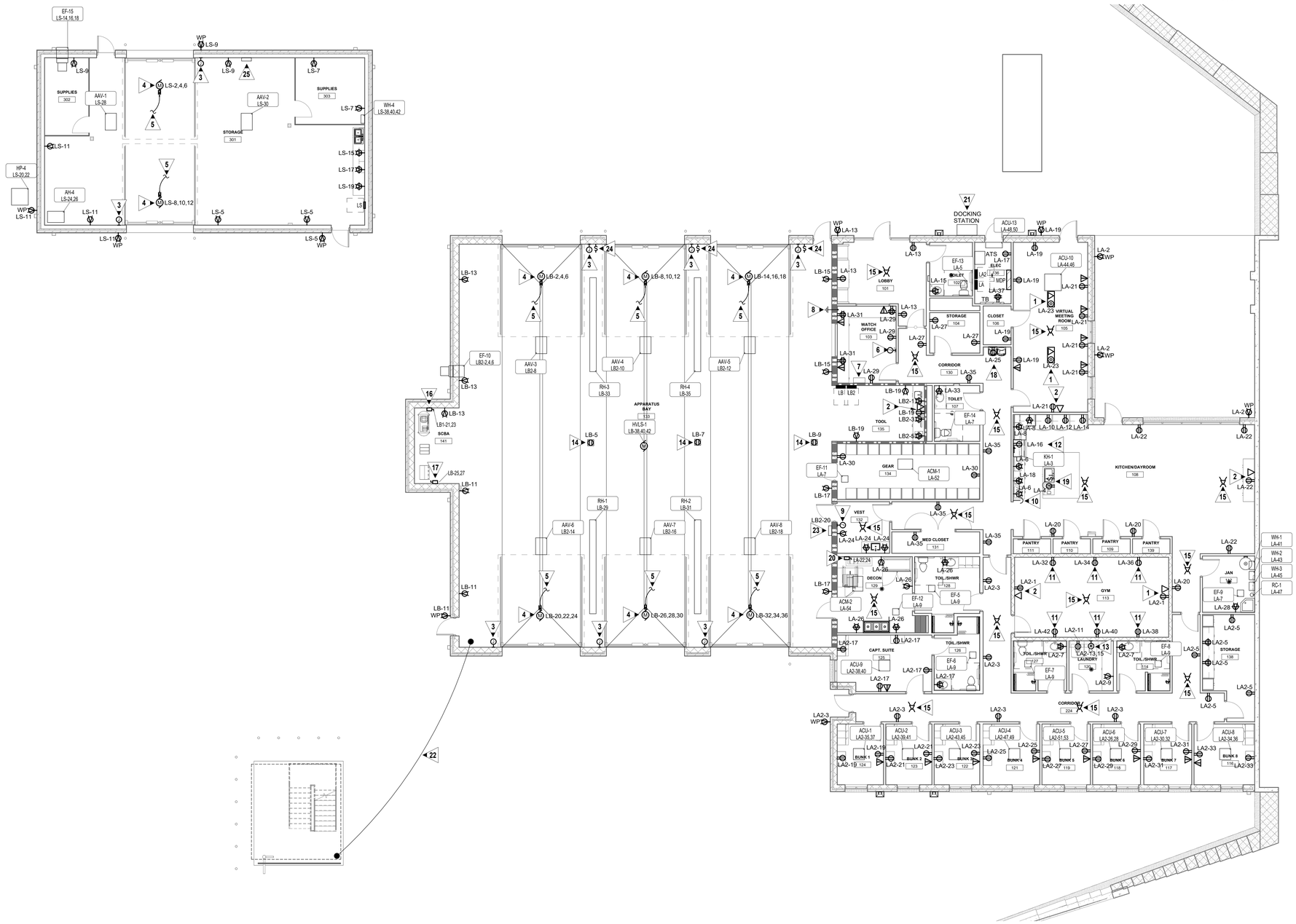


2 / E-301 RECEPTACLE LOCATION @ ELECTRIC WATER COOLER
NO SCALE



1 / E-301 LEVEL 1 - POWER & TEL/DATA SYSTEMS
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ELECTRICAL ROUGH-IN.
2. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
3. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
4. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE OUTLET BOXES AND CONDUIT TO ABOVE CEILINGS FOR ALL THERMOSTATS.
5. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.
6. FIRE SEAL ALL FIREWALL PENETRATIONS.

KEYED NOTES:

1. COORDINATE EXACT LOCATION OF FLOOR BOX WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
2. MOUNT RECEPTACLE AND DATA OUTLET HIGH ON WALL FOR TV/MONITOR. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
3. PROVIDE J-BOX FLUSH MOUNTED AT 8 FT. A.F.F. WITH 3/4 IN. C. AND 2#14 AWG TO MOTORIZED DOOR CONTROL UNIT ABOVE CEILING FOR LIMIT SWITCH. TERMINATE FLEXIBLE CORD PROVIDED WITH DOOR AT J-BOX. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH DOOR INSTALLER.
4. MOTORIZED OVERHEAD DOOR MOTOR AND CONTROLLER PROVIDED BY OTHERS. DESIGN BASIS 208V/3PH, 30A/3P BREAKER, 4#10, #10G., 3/4 IN. C. VERIFY EXACT POWER REQUIREMENTS PRIOR TO ELECTRICAL ROUGH-IN. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE 3/4 IN. C. FROM DOOR MOTOR TO DESIGNATED CONTROLS PULL BOX LOCATED ABOVE CEILING IN WATCH OFFICE 103.
6. FLUSH RECESSED JUNCTION BOX WITH (2) 1 IN. C. STUBBED UP TO PULL BOX LOCATED ABOVE CEILING FOR MOTORIZED DOOR CONTROLS. MOUNT AT 3'-8" A.F.F.
7. GENERATOR STATUS PANEL. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. STATUS PANEL MUST BE LOCATED IN CONSTANTLY OCCUPIED AREA.
8. CONTRACTOR SHALL PROVIDE GROUNDING PLATE BELOW DESK TO GROUND ALL ELECTRONIC EQUIPMENT IN THE CONTROL ROOM. PROVIDE #6 GROUND CONDUCTOR BACK TO MAIN SERVICE PANEL AND CONNECT TO GROUND BAR.
9. JUNCTION BOX FOR MULTI-BAY DOOR BUTTON. CIRCUIT TO DESIGNATED CONTROLS FOR OVERHEAD DOOR.
10. RED MUSHROOM STYLE SHUNT TRIP PUSH BUTTON 42 IN. A.F.F. INTERLOCK WITH ELECTRIC RANGE SHUNT TRIP TO ALLOW FOR POWER TO BE DISCONNECTED UPON PUSH BUTTON PRESS. PROVIDE LABEL "RANGE SHUT OFF".
11. DEDICATED RECEPTACLE FOR GYM EQUIPMENT. COORDINATE EXACT EQUIPMENT LAYOUT WITH OWNER PRIOR TO ROUGH-IN.
12. PROVIDE 2#12, #12G., 1/2 IN. C. GAS RANGE SHALL BE SERVED WITH SHUNT TRIP STYLE CIRCUIT BREAKER WITH GFCI PROTECTION.
13. PROVIDE 3#10, #10G., 3/4 IN. C.
14. PROVIDE CEILING MOUNTED OUTLET WITH ONE TWIST LOCK SIMPLEX (NEMA L5-20) FOR CORD REEL. CORD REEL TO BE PROVIDED BY OTHERS BUT INSTALLED BY ELECTRICAL. COORDINATE EXACT CORD REEL MOUNTING REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. ADJUST LOCATION AS REQUIRED FOR UNIMPEDED OPERATION OF HVLS FAN.
15. PROVIDE DATA OUTLET FLUSH MOUNTED IN CEILING FOR WIRELESS ACCESS POINT BY OTHERS. COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
16. SCBA AIR COMPRESSOR. DESIGN BASIS 208V/1PH, 5 HP, 60A/2P BREAKER, 60A/2P FUSED DISCONNECT (FUSES SIZED PER EQUIPMENT MOCP), 3#6, #8G., 1 IN. C. VERIFY EXACT POWER REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.
17. TANK FILL. DESIGN BASIS 208V/1PH, 60A/2P BREAKER, 60A/2P FUSED DISCONNECT (FUSES SIZED PER EQUIPMENT MOCP), 3#6, #8G., 1 IN. C. VERIFY EXACT POWER REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.
18. SEE RECEPTACLE LOCATION @ ELECTRIC WATER COOLER, 2/E-301.
19. SWITCH TO CONTROL TOP HALF OF RECEPTACLE FOR GARBAGE DISPOSAL. MOUNT SWITCH INSIDE CABINETRY UNDER SINK. COORDINATE EXACT LOCATION WITH ARCHITECTURAL.
20. DECON WASH. DESIGN BASIS 208V/1PH, 60A/2P BREAKER, 60A/2P FUSED DISCONNECT (FUSES SIZED PER EQUIPMENT MOCP), 3#6, #8G., 1 IN. C. VERIFY EXACT POWER REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.
21. SEE POWER RISER DIAGRAM, 1/E-501.
22. PROVIDE (3) 2 IN. C. UNDERGROUND BETWEEN TOWER AND FIRE STATION FOR FUTURE USE. COORDINATE EXACT STUB UP LOCATION WITH OWNER/ARCHITECT AND TEMPORARILY CAP CONDUIT.
23. AIRVAC CONTROL PANEL FOR AAV-3 THRU AAV-8. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND AIRVAC MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE ALL ELECTRICAL REQUIREMENTS SUCH AS CONTROLS, CONDUIT, AND ETC. FOR A COMPLETE INSTALLATION. SENSORS FOR CARBON MONOXIDE AND NITROGEN DIOXIDE ARE REQUIRED AND SHOWN ON MECHANICAL PLANS TO BE SUPPLIED WITH THE UNIT.
24. AIRVAC MAGNETIC DOOR SWITCH. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND AIRVAC MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE ALL ELECTRICAL REQUIREMENTS SUCH AS CONTROLS, CONDUIT, AND ETC. FOR A COMPLETE INSTALLATION. SENSORS FOR CARBON MONOXIDE AND NITROGEN DIOXIDE ARE REQUIRED AND SHOWN ON MECHANICAL PLANS TO BE SUPPLIED WITH THE UNIT.
25. AIRVAC CONTROL PANEL FOR AAV-1 & AAV-2. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND AIRVAC MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE ALL ELECTRICAL REQUIREMENTS SUCH AS CONTROLS, CONDUIT, AND ETC. FOR A COMPLETE INSTALLATION. SENSORS FOR CARBON MONOXIDE AND NITROGEN DIOXIDE ARE REQUIRED AND SHOWN ON MECHANICAL PLANS TO BE SUPPLIED WITH THE UNIT.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER JEFFREY H. McGEE

georgia civil
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

SHEAR STRUCTURAL

TOTAL ENGINEERS

Electrical Engineers

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FIRE STATION #23

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Sheet Title

LEVEL 1 - POWER & TEL/DATA SYSTEMS

Sheet No.

E-301

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