

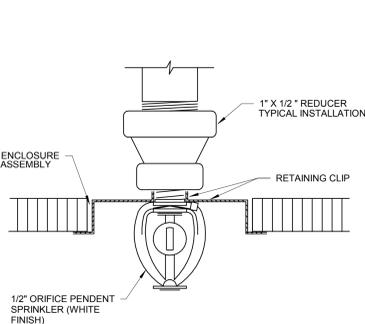
2A SCHEDULES

| DESIGN CRITERIA | | | | | | |
|-----------------|-------------|-------------------|-----------------|-------------|----------------|---------|
| DESIGNATION | SYSTEM TYPE | HAZARD COMMODITY | MINIMUM DENSITY | REMOTE AREA | HOSE ALLOWANCE | REMARKS |
| LIGHT | WET | LIGHT HAZARD | 0.10 GPM/S.F. | 1,500 S.F. | 100 GPM | -- |
| OG1 | WET | ORDINARY HAZARD 1 | 0.15 GPM/S.F. | 1,500 S.F. | 250 GPM | -- |

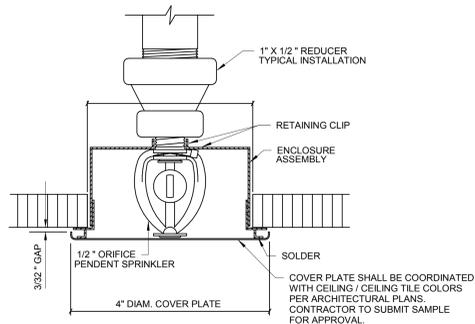
| SPRINKLER REQUIREMENTS | | | | | |
|------------------------|---------------|----------------------------|--------|--------------------------------------|--|
| ABBREV. | STYLE | TEMPERATURE CLASSIFICATION | FINISH | CENTER OF TILE (FOR LAY-IN CEILINGS) | |
| A | SEMI-RECESSED | ORDINARY | BRASS | YES | |
| B | UPRIGHT | ORDINARY | BRASS | N/A | |
| C | CONCEALED | ORDINARY | BRASS | YES | |

2B DETAILS

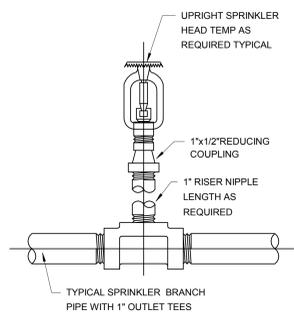
1C SEMI-RECESSED SPRINKLER HEAD DETAIL
NTS



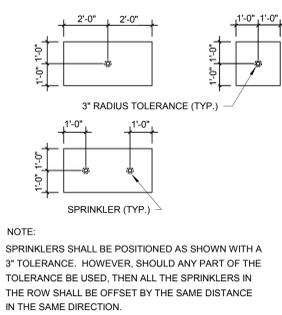
3C CONCEALED SPRINKLER HEAD DETAIL
NTS



1E UPRIGHT SPRINKLER HEAD DETAIL
NTS



3E SPRINKLER LAYOUT
NTS



6A DEMOLITION NOTES

- DEMOLITION INFORMATION SHOWN ON THE DRAWINGS IS BASED ON SHOP DRAWINGS AND A PRELIMINARY REVIEW OF THE EXISTING CONDITIONS. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR A FULL AND COMPLETE EXECUTION OF THE WORK. WHETHER OR NOT SHOWN OR SPECIFIED. THE EXACT EXTENT OF DEMOLITION MAY NOT BE FULLY INDICATED ON THE DRAWINGS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDS AND CONFIRM COMPLETE EXTENT OF DEMOLITION REQUIRED.
- MATERIALS AND EQUIPMENT TO BE SALVAGED OR REUSED SHALL BE IDENTIFIED BY THE OWNER. THESE ITEMS ARE THE PROPERTY OF THE OWNER AND SHALL BE RETURNED TO THE OWNERS DESIGNATED STORAGE AREA. WHERE REMOVAL IS REQUIRED THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE TAKEN DURING THE HANDLING OF THESE ITEMS.
- DEMOLISHED MATERIALS AND EQUIPMENT NOT BEING SALVAGED OR REUSED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.

6B GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT ROUTING OR ALL REQUIRED OFFSETS, ACCESSORIES OR APURTANCES. CONTRACTOR SHALL PROVIDE AS REQUIRED TO INSTALL A COMPLETE AND COORDINATED JOB, INCLUDING ANY ADDITIONAL ITEMS REQUIRED TO MEET ACTUAL FIELD CONDITIONS AND EQUIPMENT SELECTED.
- THIS IS A GENERAL LIST OF ABBREVIATIONS AND SYMBOLS ON THIS SHEET. SOME ABBREVIATIONS AND SYMBOLS MAY NOT BE APPLICABLE TO THIS PROJECT.
- FIRE PROTECTION CONTRACTOR SHALL COORDINATE LOCATION OF ALL SPRINKLER HEADS AND PIPING WITH STRUCTURAL ELEMENTS, MECHANICAL, PLUMBING, ELECTRICAL EQUIPMENT AND CEILING CONFIGURATION INDICATED ON DRAWINGS. WHERE NECESSARY SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS TO ASSURE REQUIRED DISCHARGE PATTERNS AROUND OBSTRUCTIONS AND DIFFERENT CEILING ELEVATIONS TO YIELD A PROPER DENSITY (gpm/ sq. ft.) FOR THE DESIGNED HAZARD.
- ALL PIPING, FITTINGS AND JOINTS IN SPRINKLER AND STANDPIPE SYSTEMS SHALL CONFORM TO NFPA 13 & 14. NON-METALLIC PIPE AND FITTINGS ARE UNACCEPTABLE.
- ALL VALVES WILL BE READILY ACCESSIBLE FROM A SAFE HEIGHT ON A SIX FOOT LADDER AND TO BE CLEAR OF ALL OBSTRUCTIONS AND THEIR OPERATION SHALL NOT BE ENCUMBERED BY ANY DEVICE OR EQUIPMENT.
- INSTALL ALL OVERHEAD HANGERS AND SUPPORTS PRIOR TO SPRAY FIREPROOFING OR DRYWALL CEILING.
- DO NOT SUPPORT SPRINKLER PIPING FROM METAL DECK.
- ALL SPRINKLER SYSTEMS SHALL BE EQUIPPED WITH A BACKFLOW PREVENTION DEVICE OF THE TYPE REQUIRED FOR THE GIVEN CONDITIONS IN ACCORDANCE WITH ALL NFPA REQUIREMENTS. AS A MINIMUM, A DOUBLE CHECK VALVE TYPE DEVICE IS REQUIRED. THE DEVICE SHALL BE INSTALLED WITHIN 36 INCHES FROM WHERE THE FIRE SERVICE ENTERS THE FACILITY. ALL BACKFLOW PREVENTERS SHALL BE ELECTRICALLY SUPERVISED BY THE FIRE ALARM CONTROL PANEL. PIPE SLEEVING SHALL BE IN ACCORDANCE WITH NFPA FOR EARTHQUAKE REQUIREMENTS.
- PROTECT ELEVATOR MACHINE ROOMS AND ELEVATOR SHAFTS.
- SPRINKLER PIPING IS TO BE BRACED AND RESTRAINED (BRANCH LINES) IN ACCORDANCE WITH NFPA 13 FOR SEISMIC REQUIREMENTS.
- EXTENDED COVERAGE SPRINKLERS WILL BE ACCEPTABLE.
- THE ENTIRE LEVEL 00 CLC RENOVATION SHALL BE COMPLETELY SPRINKLERED WITH A WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 FOR LIGHT/ORDINARY HAZARD OCCUPANCY.
- SPRINKLER SYSTEM SHALL BE ZONED AS SHOWN ON DRAWINGS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPRINKLER HEAD LOCATIONS.
- THE SPACE ABOVE THE CEILING IS LIMITED AND THE INSTALLATION OF WORK WILL BE TIGHT. DUE TO THIS, IT IS IMPORTANT THAT THE TRADE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK WITH THE CEILING SYSTEM HEIGHT AND CONSTRUCTION OF THE STRUCTURAL SYSTEM, THE LIGHTING FIXTURES, THE SPRINKLER HEADS/MAINS AND THE PLUMBING PIPES. ROUTE PIPING AS HIGH AS POSSIBLE. MAINTAIN PROPER SERVICE ACCESS CLEARANCES. ACCURATE SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FIELD INSTALLATION.
- THE SECOND FLOOR SPRINKLERS SHALL BE KEPT ACTIVE DURING BOTH DEMOLITION AND NEW WORK PHASES ON FIRST FLOOR.

7A SYMBOLS

| | |
|---|---|
| FP | FIRE PROTECTION PIPING (FP) |
| EX FP | FIRE PROTECTION PIPING (FP) EXISTING |
| --- | FIRE PROTECTION PIPING (FP) DEMO |
| → | DIRECTION OF FLOW |
| ⊥ | PIPE ANCHOR |
| — — | UNION |
| ⊥ | VALVE |
| ⊥ ⊥ | OS&Y VALVE |
| ⊥ ⊥ | CHECK VALVE (SHOWN W/FLOW) |
| ⊥ ⊥ ⊥ | POST INDICATOR VALVE |
| ⊥ ⊥ ⊥ | DRY PIPE VALVE |
| ⊥ ⊥ ⊥ ⊥ | SOLENOID VALVE |
| ⊥ ⊥ ⊥ ⊥ | CONTROL VALVE |
| ⊥ ⊥ ⊥ ⊥ ⊥ | DELUGE VALVE |
| ⊥ ⊥ ⊥ ⊥ ⊥ | CONCEALED SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | UPRIGHT SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | PENDENT SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | SEMI RECESSED SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | SIDEWALL SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | PENDENT ON/OFF SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | SECURITY PENDENT SPRINKLER HEAD |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | BACKFLOW PREVENTER (BFP) |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | BOTTOM DROP |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | ELBOW DOWN |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | ELBOW UP |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | CAPPED PIPING |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | PUMP (SCHEMATIC) |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FIRE DEPARTMENT VALVE |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FIRE HOSE CABINET |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FIRE HOSE RACK |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FIRE PROTECTION FLOOR |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FIRE PUMP CONTROLLER |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FEET PER MINUTE |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FIRE DEPARTMENT CONNECTION |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FREE-STANDING FIRE DEPARTMENT CONNECTION |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FLUSH FIRE PUMP TEST HEADER |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FREE-STANDING FIRE PUMP TEST HEADER |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | FLOW SWITCH |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | PRESSURE SWITCH |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | ULTRA VIOLET DETECTOR |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | IONIZATION DETECTOR (SMOKE) |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | RATE OF RISE DETECTOR |
| ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ ⊥ | PHOTOELECTRIC DETECTOR |
| ⊥ | MANUAL PULL STATION |
| ⊥ | HORN |
| ⊥ | HORN W/ STROBE LIGHT |
| ⊥ | ABORT SWITCH (DEADMAN TYPE) |
| ⊥ | ROTATING BEACON |
| ⊥ | CONTROL PANEL |
| ⊥ | FIRE STATUS ANNUNCIATOR |
| ⊥ | HEAT DETECTOR |
| ⊥ | CEILING CLEAN AGENT NOZZLE |
| ⊥ | SUB-FLOOR CLEAN AGENT NOZZLE |
| ⊥ | WARNING LIGHT |
| ⊥ | CLEAN AGENT STORAGE TANK |
| ⊥ | LASER COMPACT |
| ⊥ | LASER PLUS |
| ⊥ | LASER SCANNER |
| ⊥ | POWER SUPPLY |
| ⊥ | REMOTE DISPLAY |
| ⊥ | AIR SAMPLING NOZZLE |
| ⊥ | AIR SAMPLING PORT |
| ⊥ | POINT OF CONNECTION (NEW TO EXISTING) |
| ⊥ | POINT OF CONNECTION (NEW TO EXISTING) |
| ⊥ | RISER INDICATOR / DETAIL NO. TOP INDICATES TYPE OF RISER / DETAIL NO. BOTTOM INDICATES RISER NUMBER / DWG NO. |
| ⊥ | RISER INDICATOR - TOP INDICATES TYPE OF RISER, BOTTOM INDICATES RISER NUMBER (ARROW INDICATES DIRECTIONAL VIEW OF ISOMETRIC RISERS) |
| ⊥ | SECTION INDICATOR TOP INDICATES SECTION NUMBER BOTTOM INDICATES DRAWING NUMBER |
| ⊥ | KEYED NOTE TAG |
| ⊥ | NEW EQUIPMENT TAG |
| ⊥ | EXISTING EQUIPMENT TAG EXISTING |
| ⊥ | AREA MATCHLINE |

9A ABBREVIATIONS

| | |
|------------|--|
| AC | AIR COMPRESSOR |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| AP | ACCESS PANEL |
| ARCH | ARCHITECTURE |
| ASSY | ASSEMBLY |
| ATM | ATMOSPHERE |
| AUTO | AUTOMATIC |
| AUX | AUXILIARY |
| BOB | BOTTOM OF BEAM |
| BOF | BOTTOM OF PIPE |
| CA | COMPRESSED AIR OR CLEAN AGENT |
| CALCS | CALCULATIONS |
| CAP | CAPACITY |
| CC | CEILING COLUMN |
| CCD | CHICAGO CITY DATUM |
| CLG | CEILING |
| cm | CENTIMETER |
| CO2 | CARBON DIOXIDE |
| COL | COLUMN |
| CONC | CONCRETE |
| CONN | CONNECTION |
| CONT. | CONTINUED |
| CSP | COMBINED STANDPIPE/SPRINKLER SYSTEM |
| CV | CHECK VALVE |
| DCV | DOUBLE CHECK VALVE |
| DDCV | DOUBLE DETECTOR CHECK VALVE |
| DIA | DIAMETER |
| DM | DIMENSION |
| DN | DOWN |
| DR | DRAIN |
| DPV | DRY PIPE VALVE |
| DV | DRAIN VALVE |
| DWG | DRAWING |
| EA | EACH |
| ELEV. | ELEVATION |
| ELEC. | ELECTRICAL |
| EQUIP | EQUIPMENT |
| EX | EXISTING |
| EXIST | EXISTING |
| EXP | EXPANSION |
| F | FARENHEIT |
| FA | FIRE ALARM |
| FACP | FIRE ALARM CONTROL PANEL |
| FBD | FURNISHED BY OTHERS |
| FD1,2,3... | FLOOR DRAIN |
| FDC | FIRE DEPARTMENT CONNECTION |
| FDV | FIRE DEPARTMENT VALVE |
| FEC | FIRE EXTINGUISHER CABINET |
| FIN | FINISHED |
| FH | FIRE HOSE |
| FHC | FIRE HOSE CABINET |
| FHR | FIRE HOSE RACK |
| FLR | FLOOR |
| FP | FIRE PROTECTION |
| FPC | FIRE PUMP CONTROLLER |
| FFM | FEET PER MINUTE |
| FFS | FEET PER SECOND |
| FPTC | FIRE PUMP TEST CONNECTION |
| FT | FLOW SWITCH |
| GC | GENERAL CONTRACTOR |
| GPM | GALLONS PER MINUTE |
| IN | INCHES |
| ITC | INSPECTORS TEST CONNECTION |
| MD | MAIN DRAIN |
| N&C | NIPPLE AND CAP |
| NA | NOT APPLICABLE |
| N.C. | NORMALLY CLOSED |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| N.O. | NORMALLY OPEN |
| NS | NOT SPRINKLERED |
| NTS | NOT TO SCALE |
| OSW | OPEN SITE WASTE |
| OS&Y | OUTSIDE SCREW AND YOKE |
| P | PUMP |
| PG | PRESSURE GAUGE |
| PIV | POST INDICATOR VALVE |
| PKG | PACKAGE |
| POC | POINT OF CONNECTION |
| PRESS | PRESSURE |
| PRV | PRESSURE REDUCING VALVE |
| PSI | POUNDS PER SQUARE INCH |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| QTY | QUANTITY |
| RN | RISER NIPPLE |
| RPM | REVOLUTIONS PER MINUTE |
| SCV | SECTIONAL CONTROL VALVE W/ TAMPER SWITCH |
| SP | STANDPIPE |
| SPKR | SPRINKLER |
| SUB-CONTR. | SUB CONTRACTOR |
| SYS | SYSTEM |
| TB | THRUST BLOCK |
| TEMP | TEMPERATURE |
| TH | THERMOMETER |
| TS | TAMPER SWITCH |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UNO | UNLESS OTHERWISE NOTED |
| VEL | VELOCITY |
| VERT | VERTICAL |
| VIF | VERIFY IN FIELD |
| W/ | WITH |
| W/O | WITHOUT |
| WIP | WALL INDICATOR POST |

NOT FOR CONSTRUCTION

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LEGENDS, SYMBOLS & ABBREVIATIONS

Approved: Project Director

COMMUNITY LIVING CENTER RENOVATION

Location JACKSON, MS

Date JAN 12, 2018

Checked JUS

Drawn RJL

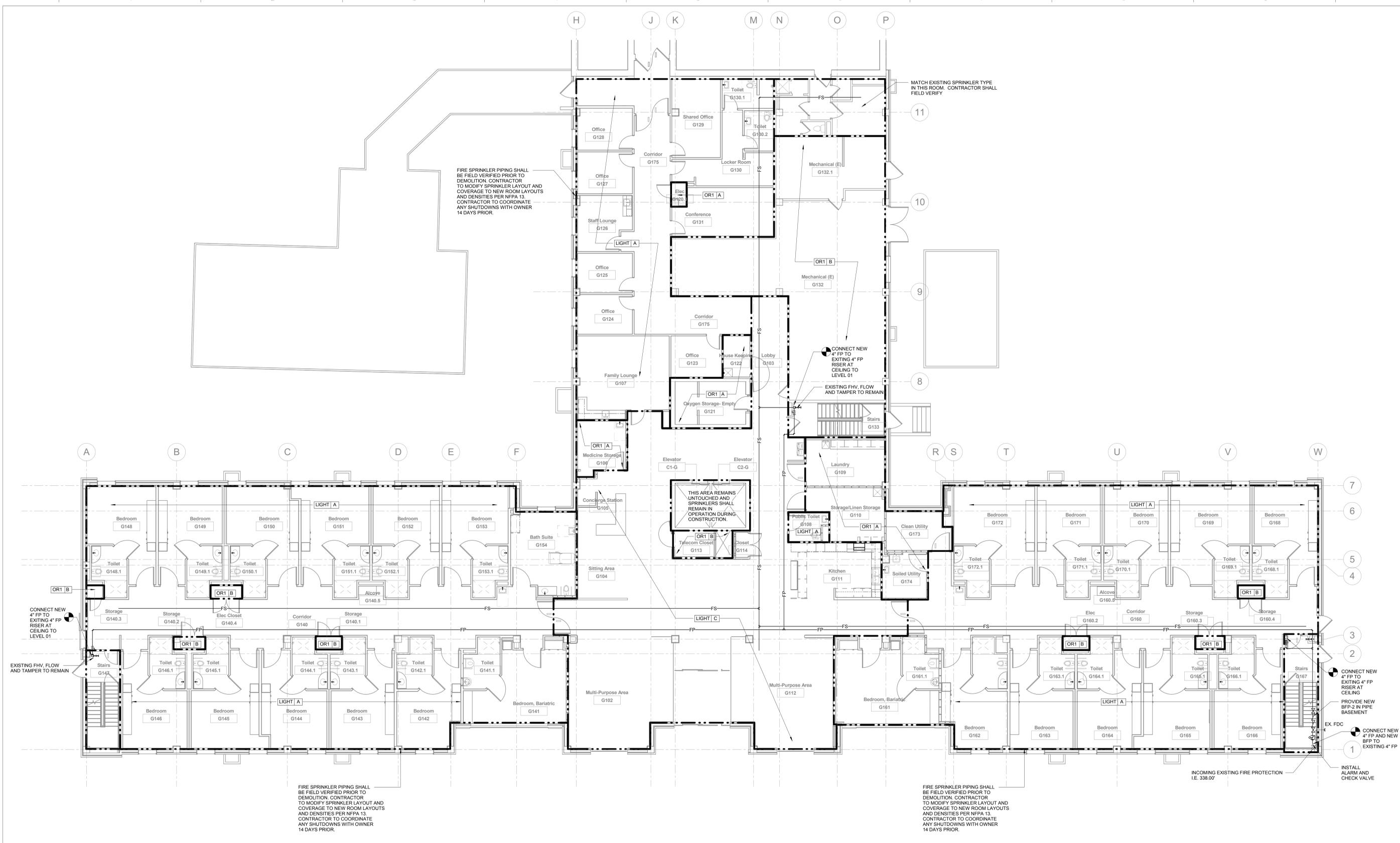
Project Number 586-16-106

CANNON DESIGN PROJECT NO. 00840.B1

Building Number

Drawing Number FX0001

Dwg. of 81



4F LEVEL 00 FIRE PROTECTION PLAN
1/8" = 1'-0"

| Revisions: | Date |
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Drawing Title
LEVEL 00 FIRE PROTECTION PLAN
Approved: Project Director

Project Title
COMMUNITY LIVING CENTER RENOVATION
Location
JACKSON, MS
Date
JAN 12, 2018
Checked
JJS
Drawn
R.JL
Drawing Number
FX100
Dwg. of 81

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Office of Construction and Facilities Management
Department of Veterans Affairs