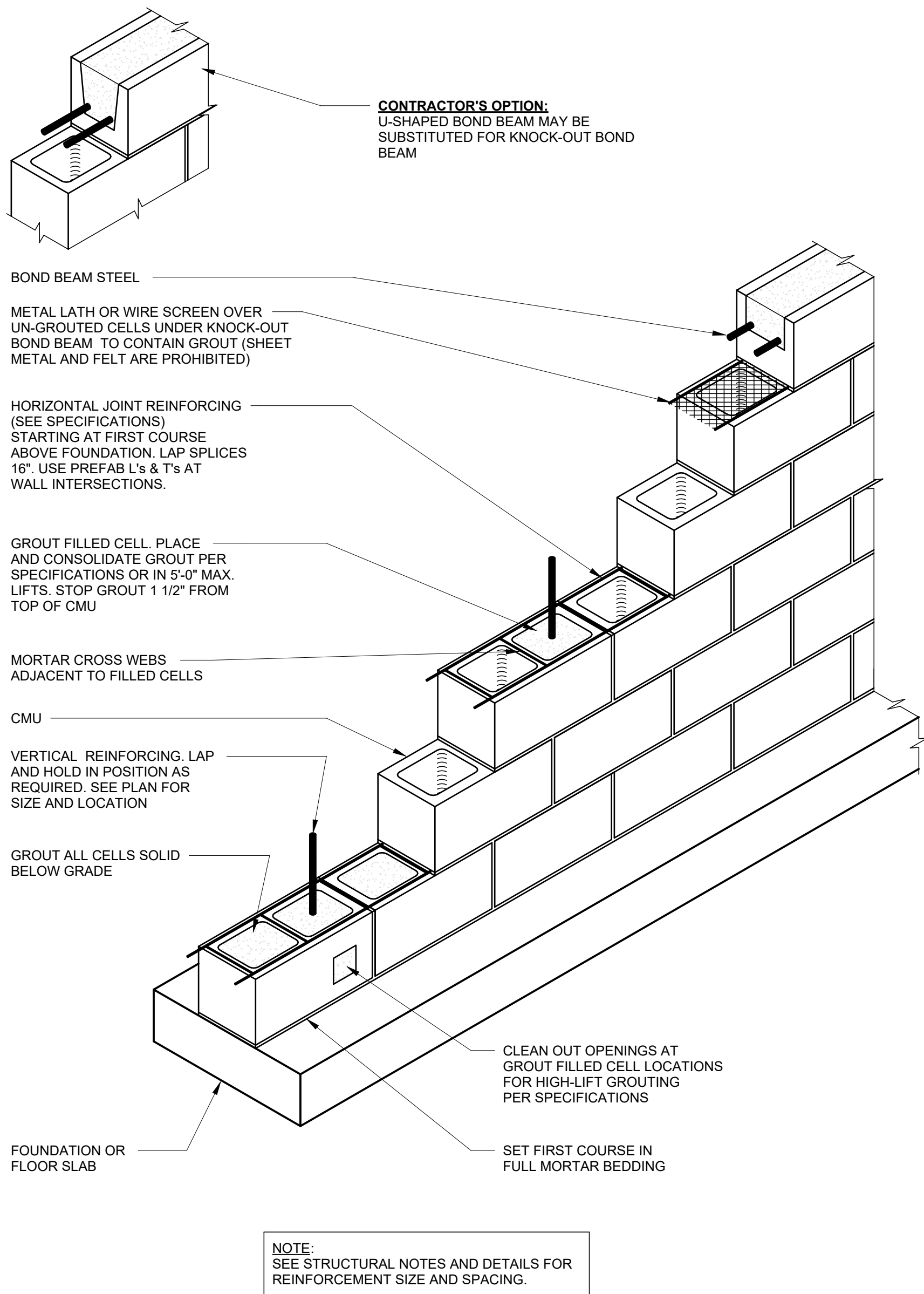
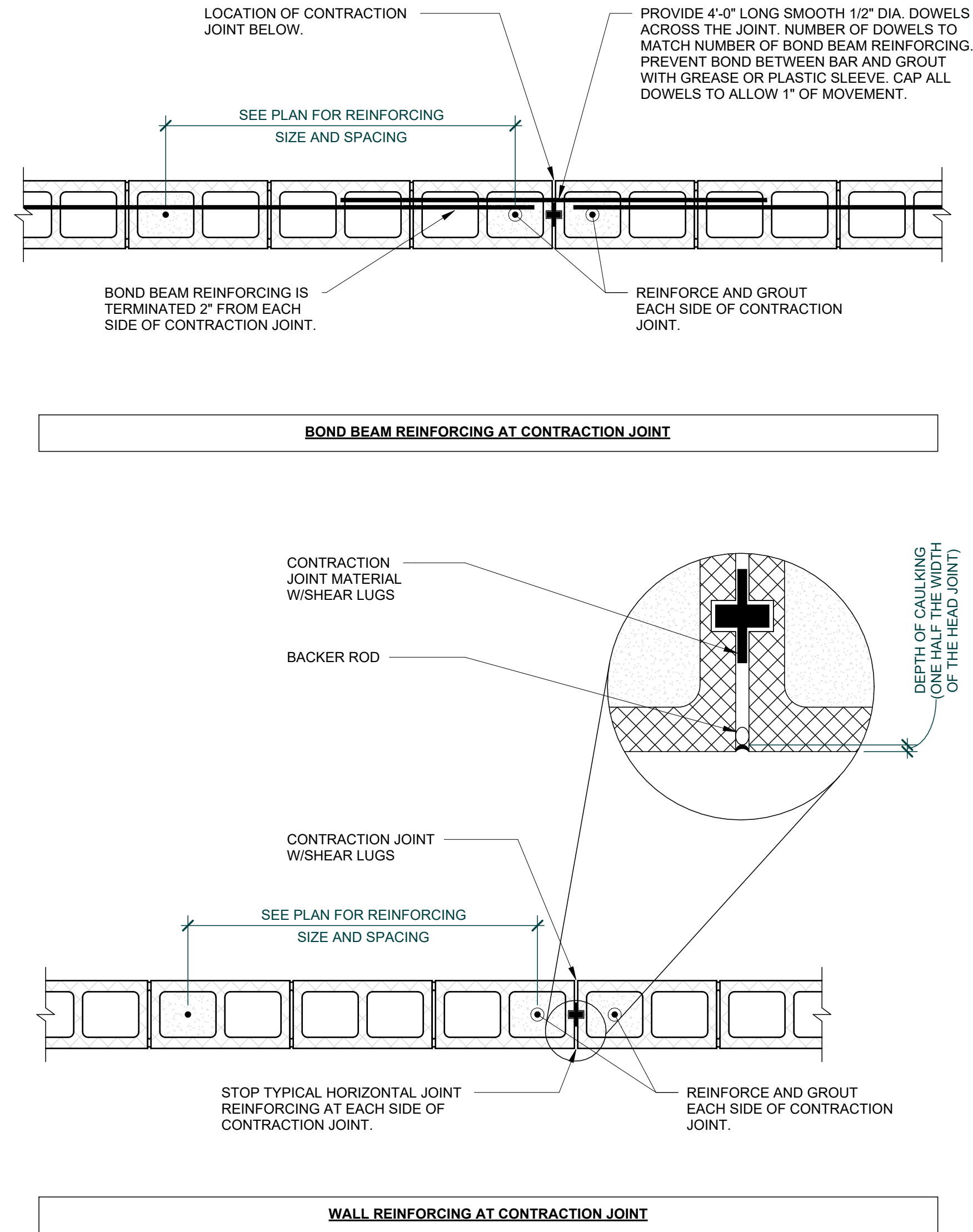
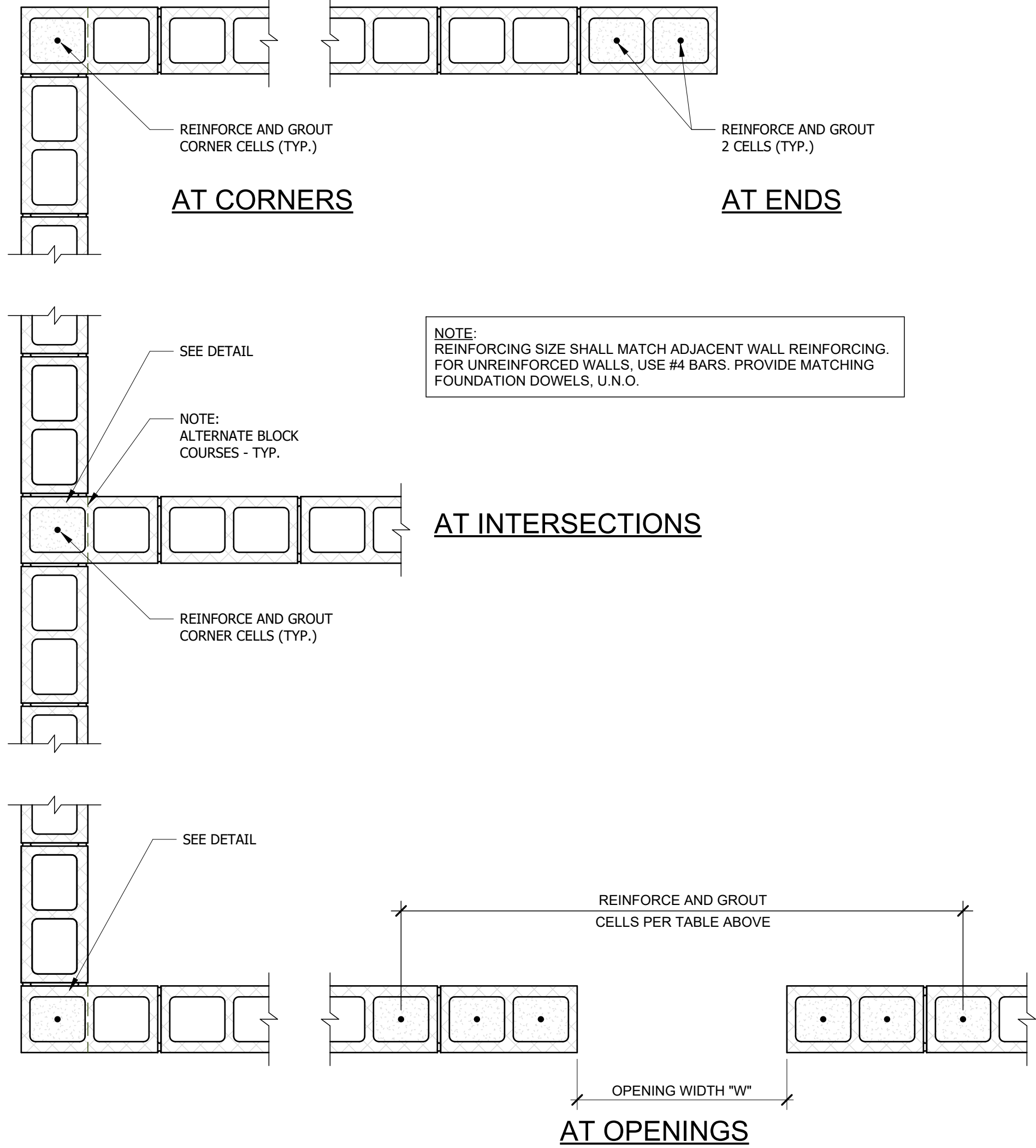




| CMU WALL OPENING REINFORCEMENT SCHEDULE |                                          |
|-----------------------------------------|------------------------------------------|
| OPENING WIDTH "W"                       | VERTICAL REINFORCEMENT (EACH SIDE)       |
| UP TO 6'-0"                             | 2 BARS TO MATCH TYPICAL WALL REINFORCING |
| 6'-0" TO 8'-0"                          | 3 BARS TO MATCH TYPICAL WALL REINFORCING |
| 8'-0" TO 12'-0"                         | 4 BARS TO MATCH TYPICAL WALL REINFORCING |



## 1 TYPICAL CMU WALL CONSTRUCTION

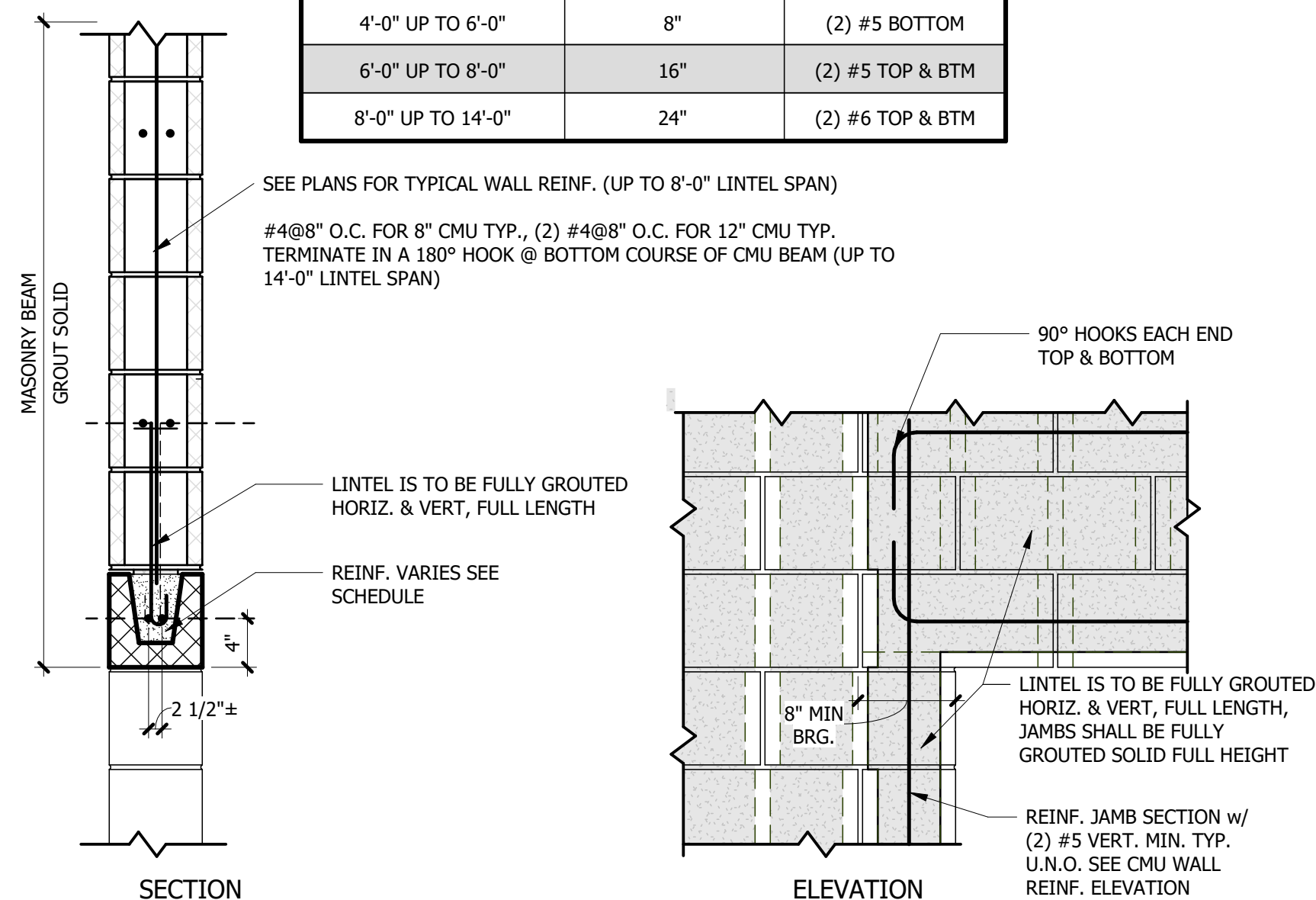
1" = 1'-0"

| CONCRETE MASONRY UNIT WALL REINFORCING LAP LENGTH SCHEDULE                                      |            |            |
|-------------------------------------------------------------------------------------------------|------------|------------|
| TENSION OR COMPRESSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (2) UNCOATED BARS (3); MASONRY |            |            |
| BAR SIZE (4)                                                                                    | LAP LENGTH |            |
|                                                                                                 | CASE A (5) | CASE B (5) |
| #3                                                                                              | 15         | 27         |
| #4                                                                                              | 20         | 36         |
| #5                                                                                              | 25         | 45         |
| #6                                                                                              | 30         | 54         |
| #7                                                                                              | 35         | 63         |
| #8                                                                                              | 40         | 72         |
| #9                                                                                              | 46         | 82         |

NOTES:

- LAP SPLICE LENGTHS ARE BASED ON SECTION 2107 OF THE BUILDING CODE.
- MULTIPLY ABOVE LAP LENGTHS BY 1.25 FOR GRADE 75 REINFORCING STEEL.
- MULTIPLY ABOVE LAP LENGTHS BY 1.50 FOR EPOXY COATED BARS.
- REINFORCEMENT LARGER THAN #9 SHALL BE SPLICED USING MECHANICAL CONNECTIONS.
- USE CASE B UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

| STANDARD LINTEL SCHEDULE |              |                  |
|--------------------------|--------------|------------------|
| OPENING WIDTH            | LINTEL DEPTH | REMARKS          |
| UP TO 4'-0"              | 8"           | (2) #4 BOTTOM    |
| 4'-0" UP TO 6'-0"        | 8"           | (2) #5 BOTTOM    |
| 6'-0" UP TO 8'-0"        | 16"          | (2) #5 TOP & BTM |
| 8'-0" UP TO 14'-0"       | 24"          | (2) #6 TOP & BTM |

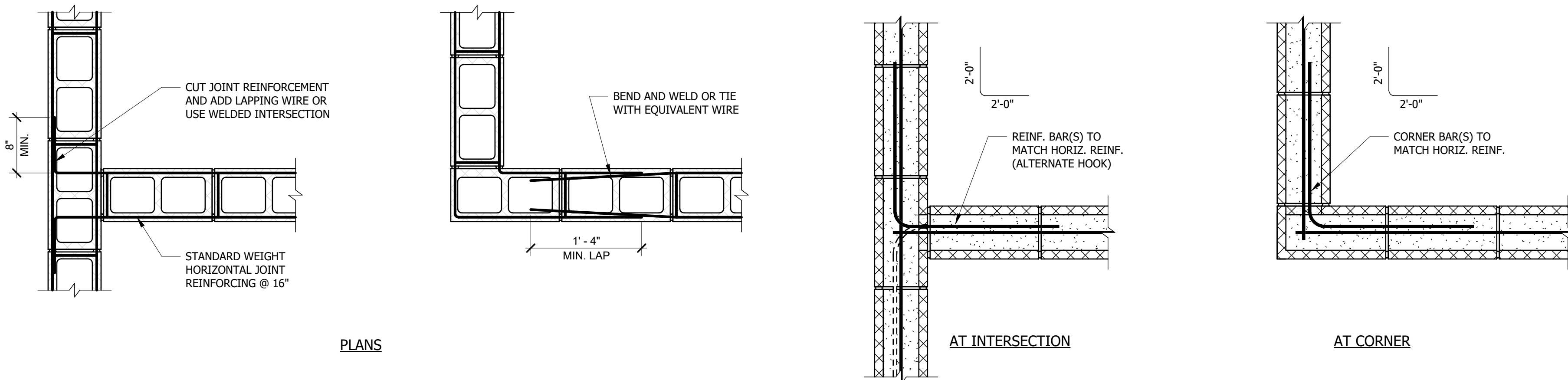


## 6 TYPICAL MASONRY LINTEL SCHEDULE FOR 8", 10", & 12" CMU

1" = 1'-0"

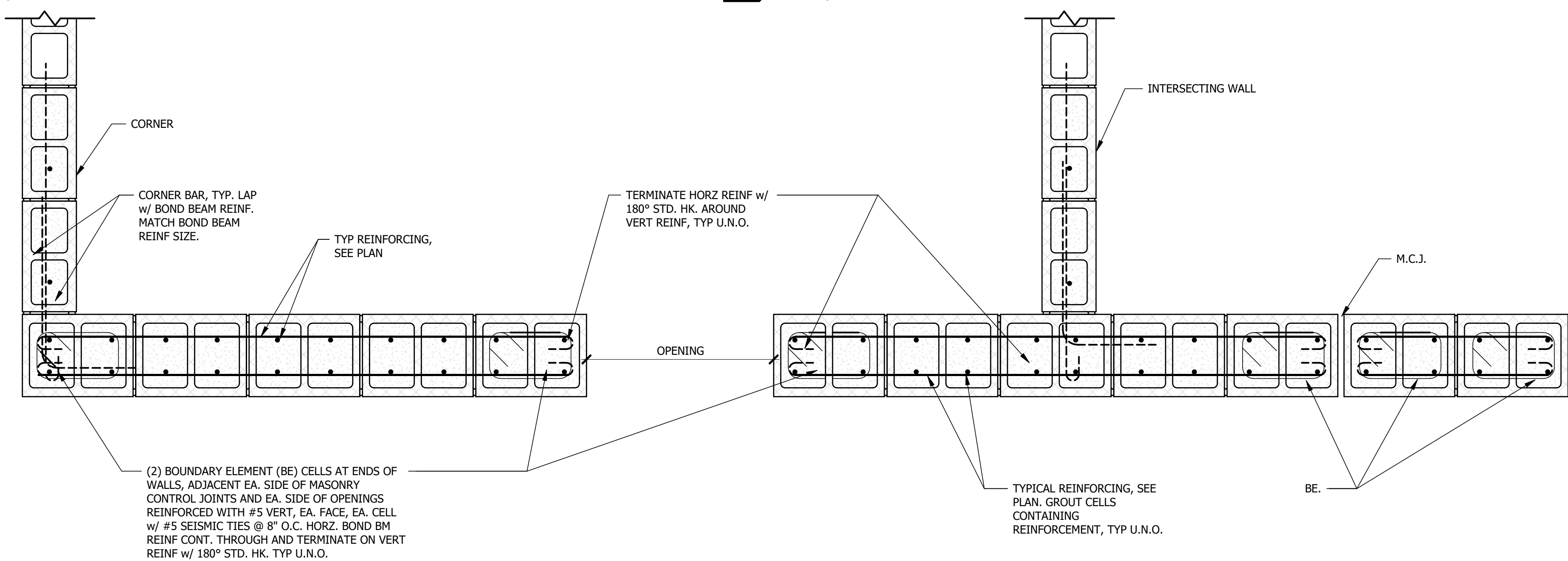
## 2 TYP. REINF. AT NLB CMU WALL CORNERS, ENDS, INTERSECTIONS & OPENINGS

1" = 1'-0"



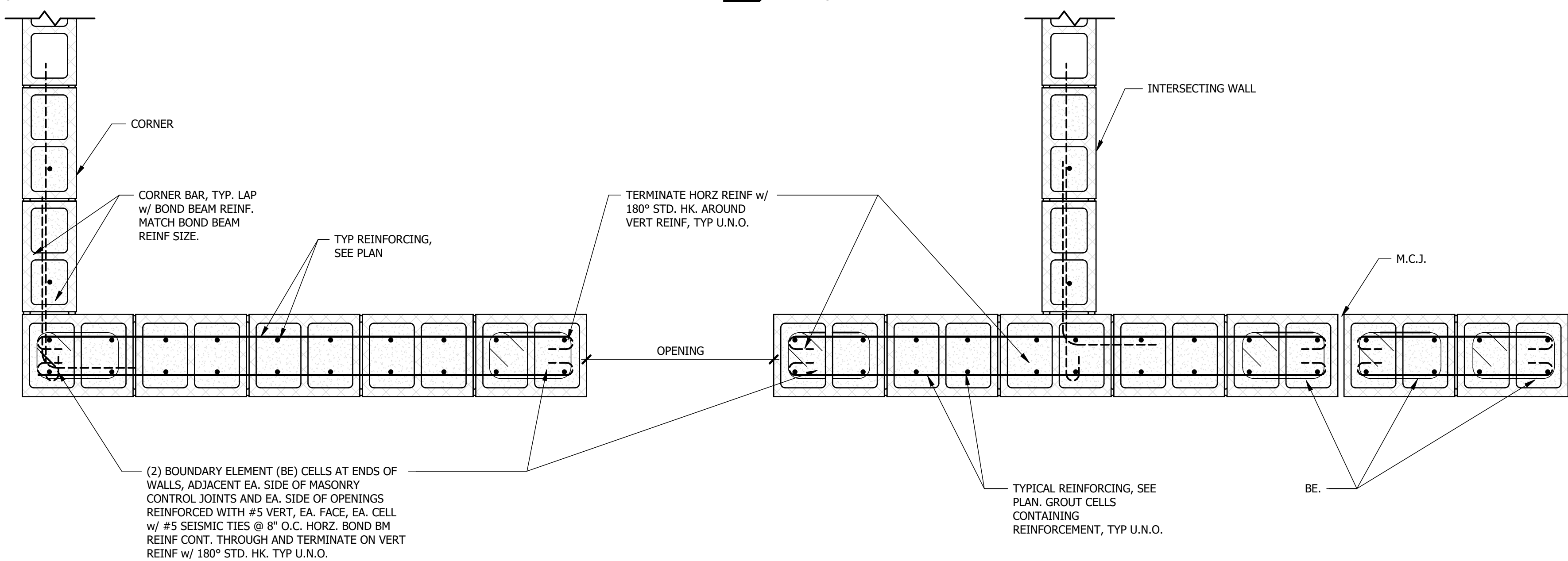
## 4 JOINT REINF. AT INTERSECTING CMU WALLS

1" = 1'-0"



## 5 BOND BEAM REINF. AT INTERSECTING CMU WALL

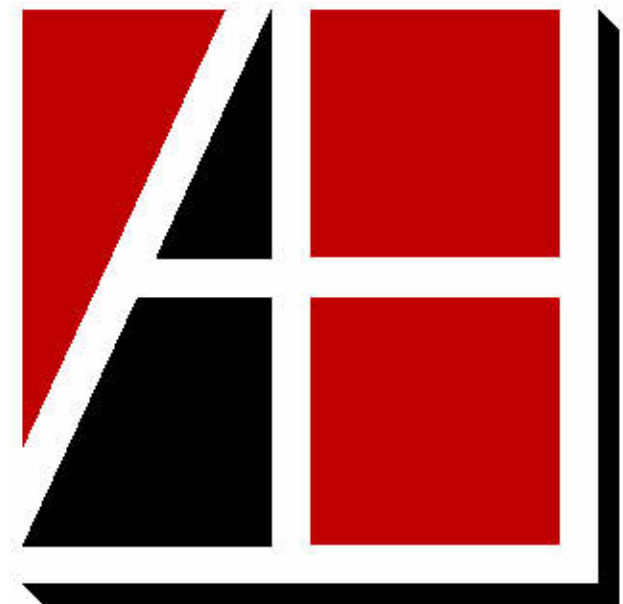
1" = 1'-0"



## 7 TYPICAL 12" SRMSW DETAIL

1" = 1'-0"

NOTE:  
AT PIERS BTWN OPENINGS AT END OF WALLS AND EA. SIDE OF M.C.J. HAVING A LENGTH LESS THAN 4'-8", REINFORCE THE HEIGHT OF OPENING w/ #5 @ 8" O.C. VERT & #5 @ 8" O.C. HORZ., TYPICAL REINFORCING.



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## MISCELLANEOUS DETAILS

JOB NO: 63492

DRAWN: JTS

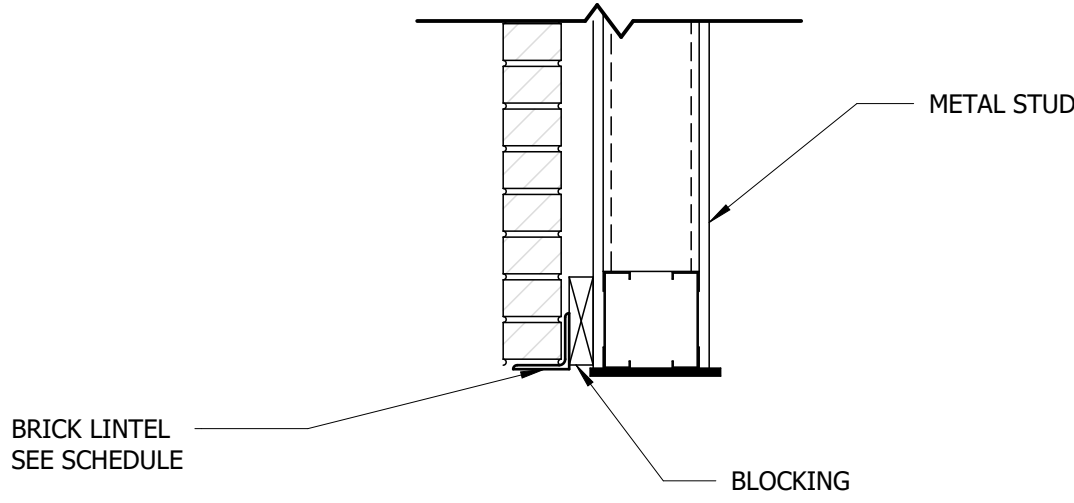
DATE: 01.07.2026

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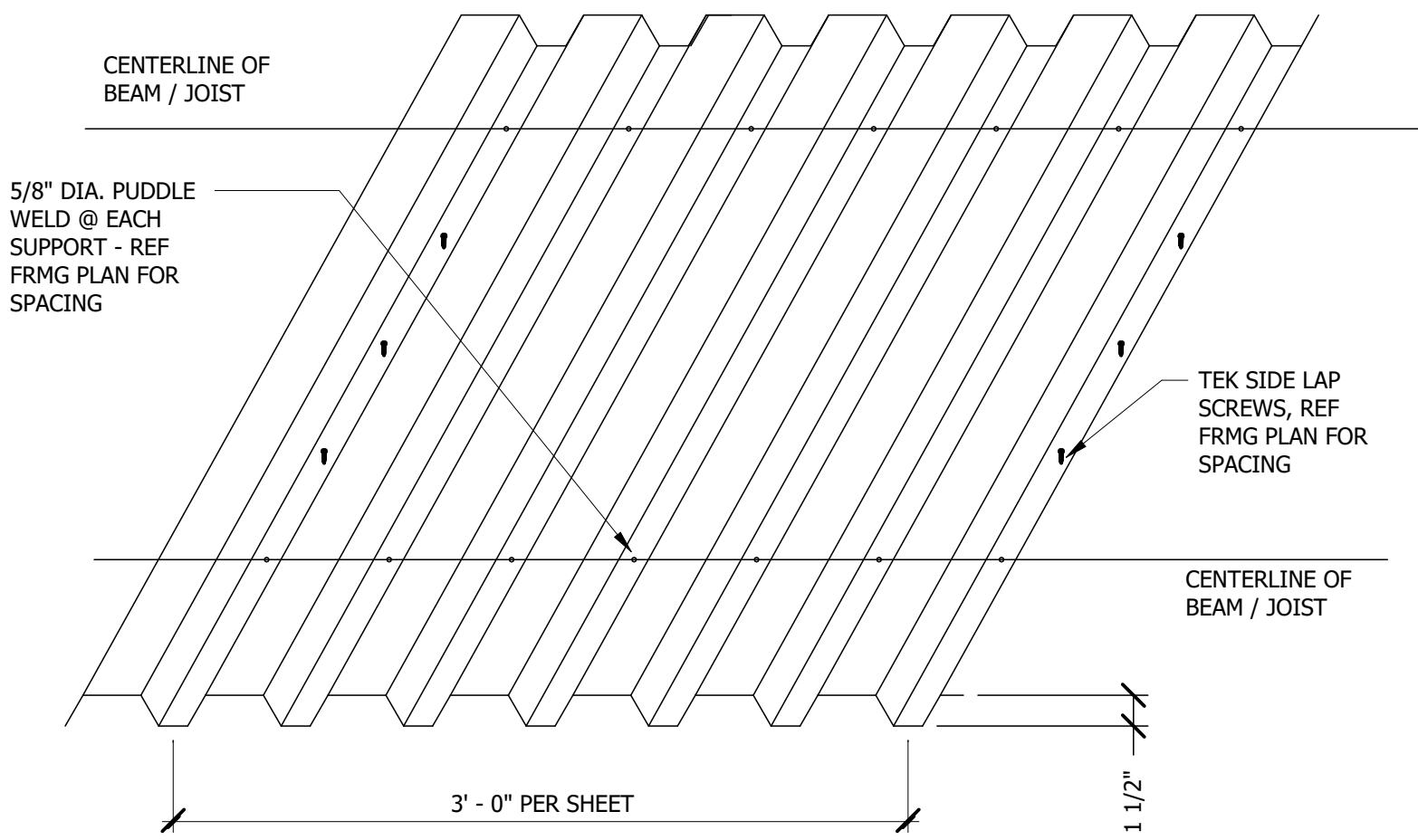
S5.2

| LINTEL ANGLE SCHEDULE |                    |        |
|-----------------------|--------------------|--------|
| OPENING WIDTH         | ANGLE SIZE         | REMARK |
| 0'-0" TO 4'-0"        | L3 1/2x3 1/2x1/4   | LOOSE  |
| 4'-1" TO 8'-0"        | L5x3 1/2x1/4 (LLV) | LOOSE  |

NOTE:  
1. 8" MIN. BEARING EACH END - TYP.  
2. SEE ARCHITECT FOR BLOCKING, IF REQUIRED.

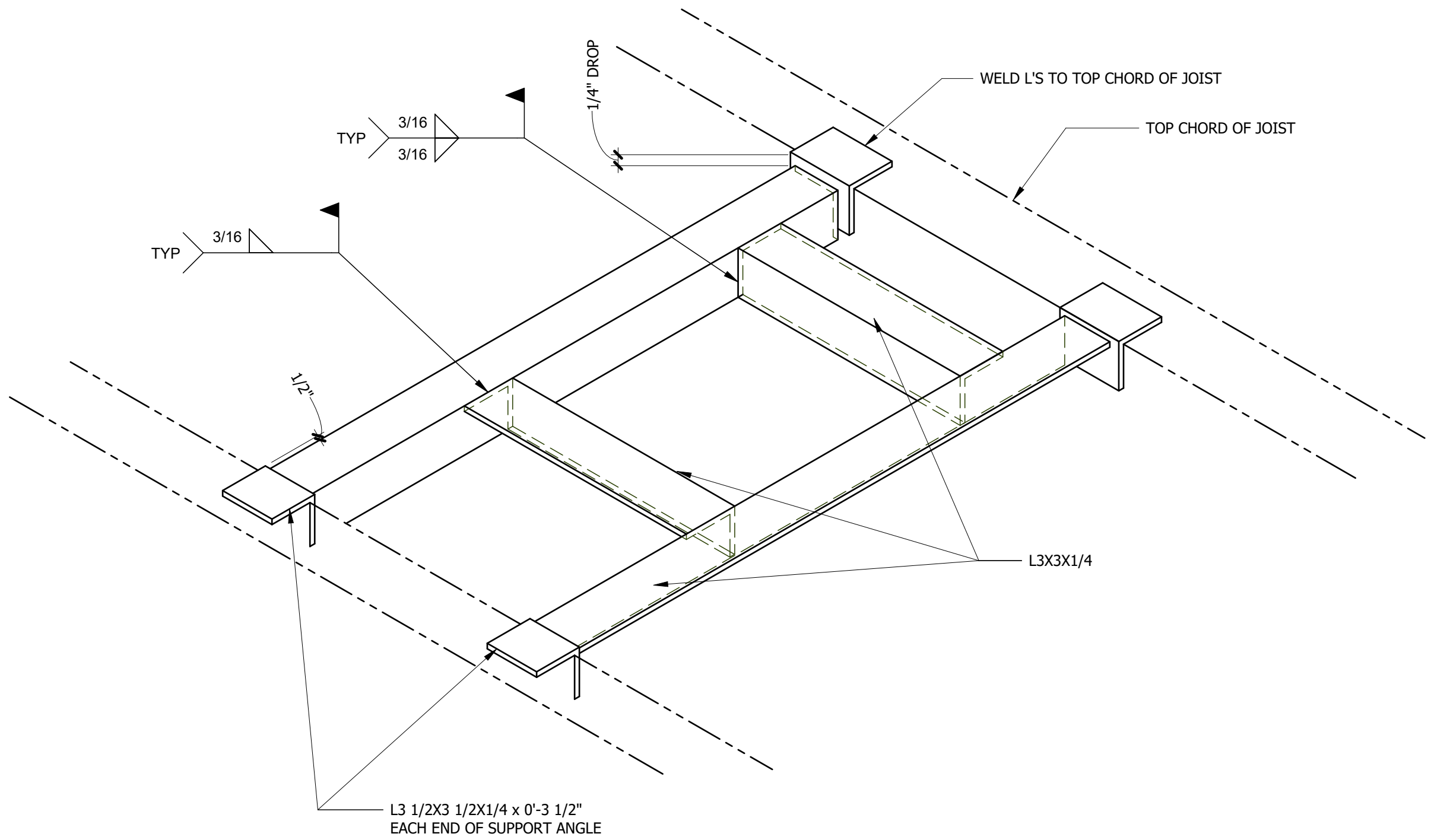


**1 BRICK LOOSE LINTEL DETAIL**  
1" = 1'-0"



NOTES:  
1. WELD DECK EDGE TO SUPPORTS WITH 5/8" DIA. PUDDLE WELD (REFERENCE FRAMING PLAN FOR SPACING).  
2. LAP DECK 2" MINIMUM.  
3. USE 1 1/2" TYPE B ROOF DECK (REFERENCE FRAMING PLAN FOR GAGE).

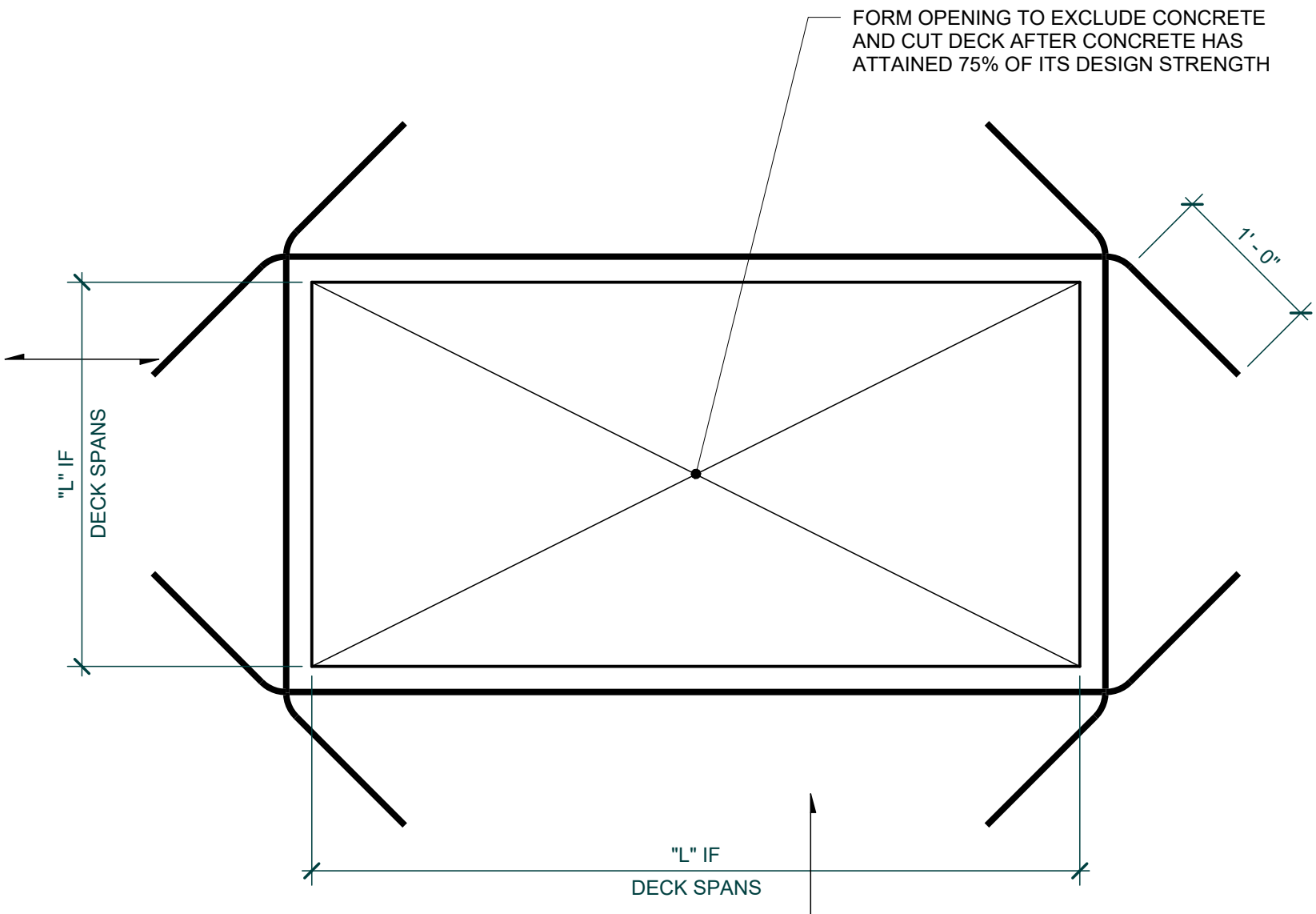
**2 TYPICAL ROOF DECK ATTACHMENT DETAIL**  
1" = 1'-0"



**3 TYPICAL ROOF OPENING LARGER THAN (16"Ø or SQUARE)**  
1" = 1'-0"

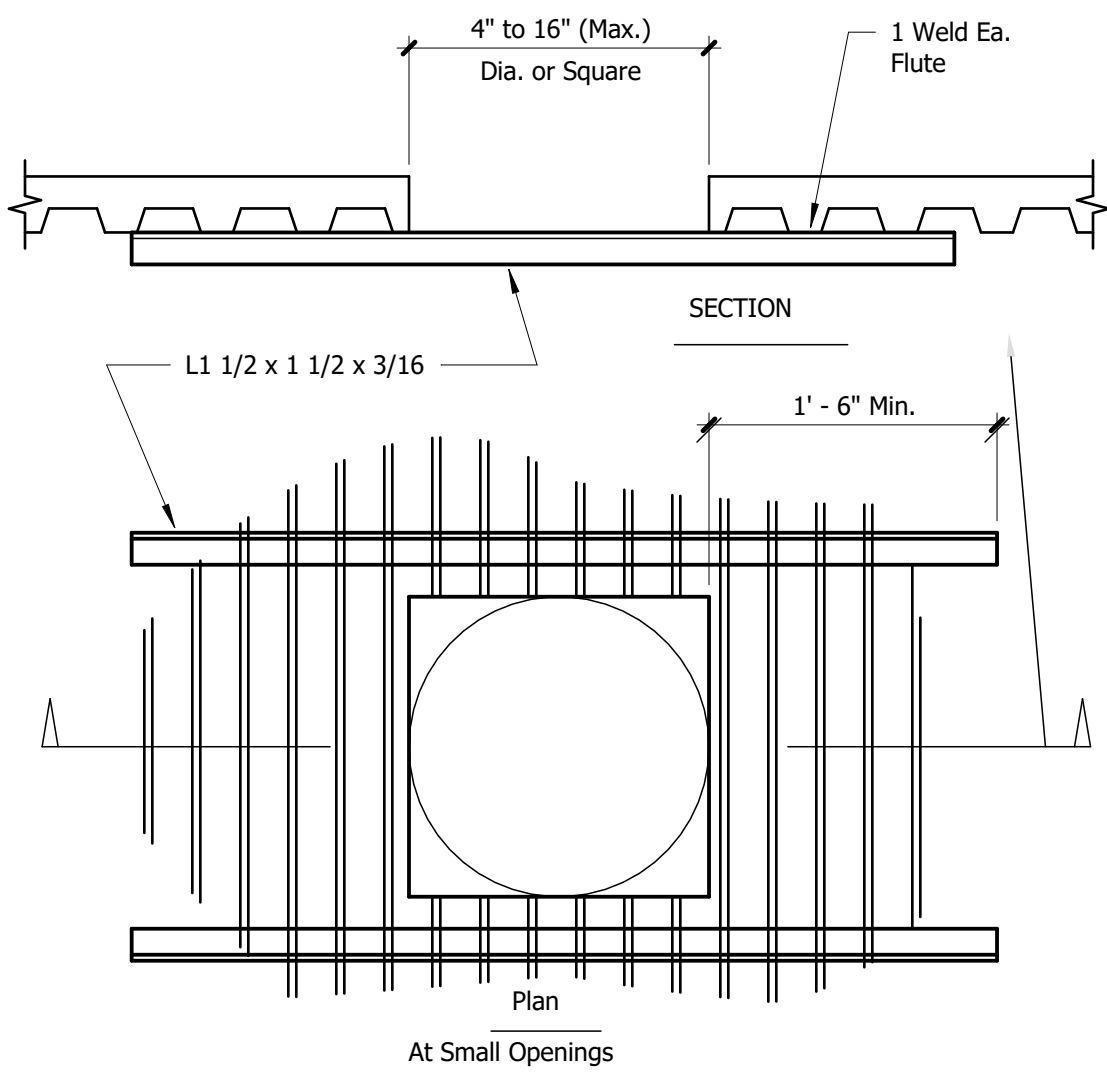
| FLOOR OPENING SCHEDULE |                                    |
|------------------------|------------------------------------|
| "L"                    | REINFORCEMENT                      |
| TO 10"                 | NO ADDITIONAL REINFORCING REQUIRED |
| 10" TO 16"             | 2#5                                |
| 16" TO 24"             | 2#6                                |
| 24" TO 30"             | 2#7                                |
| OVER 30"               | REQUIRES STRUCTURAL STEEL FRAME    |

"L" IS MEASURED AT RIGHT ANGLE TO FLOOR DECK SPAN.

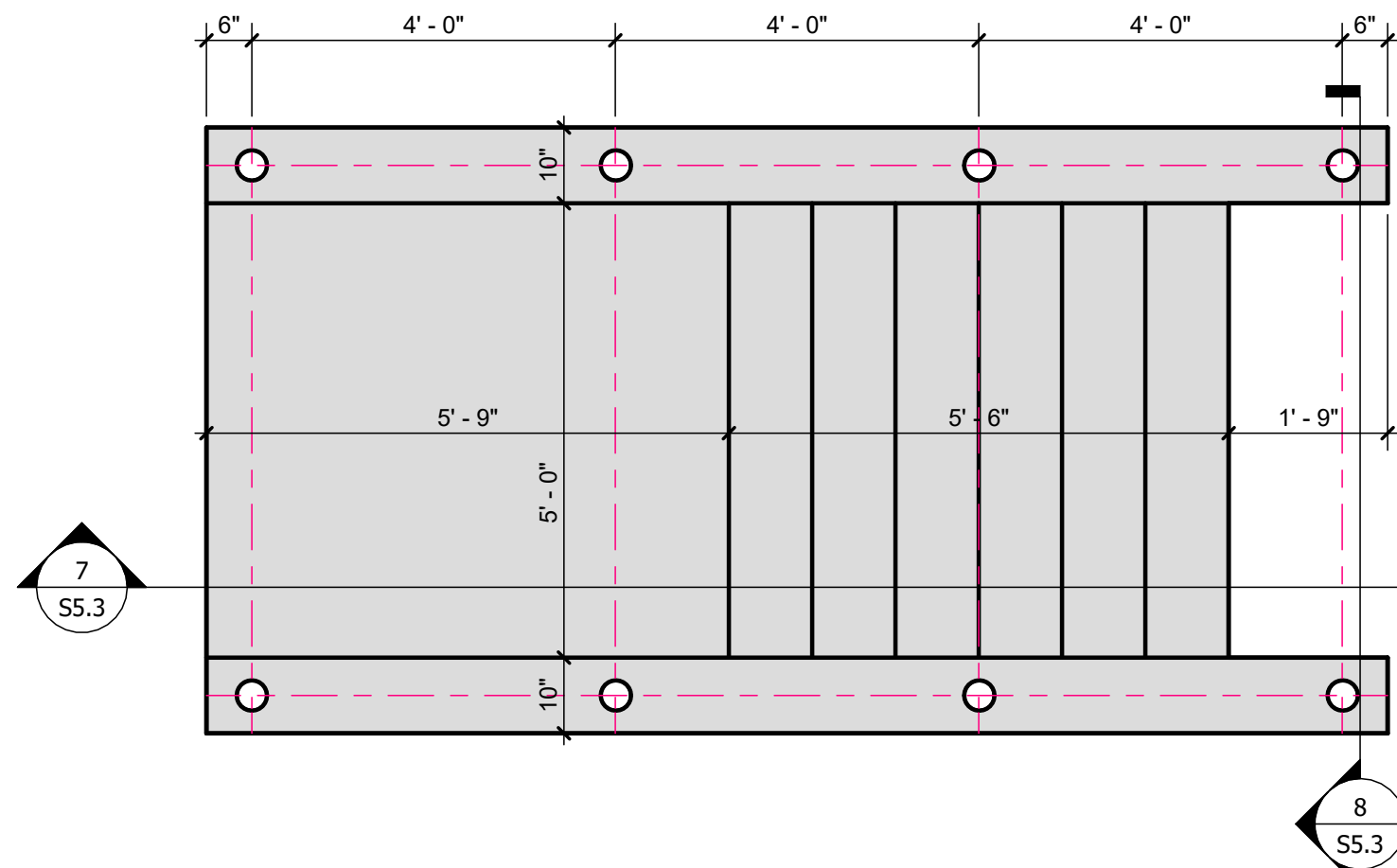


NOTE:  
FOR MULTIPLE OPENINGS, SPACE OPENINGS A MINIMUM OF "L" APART OR CONSULT ENGINEER.

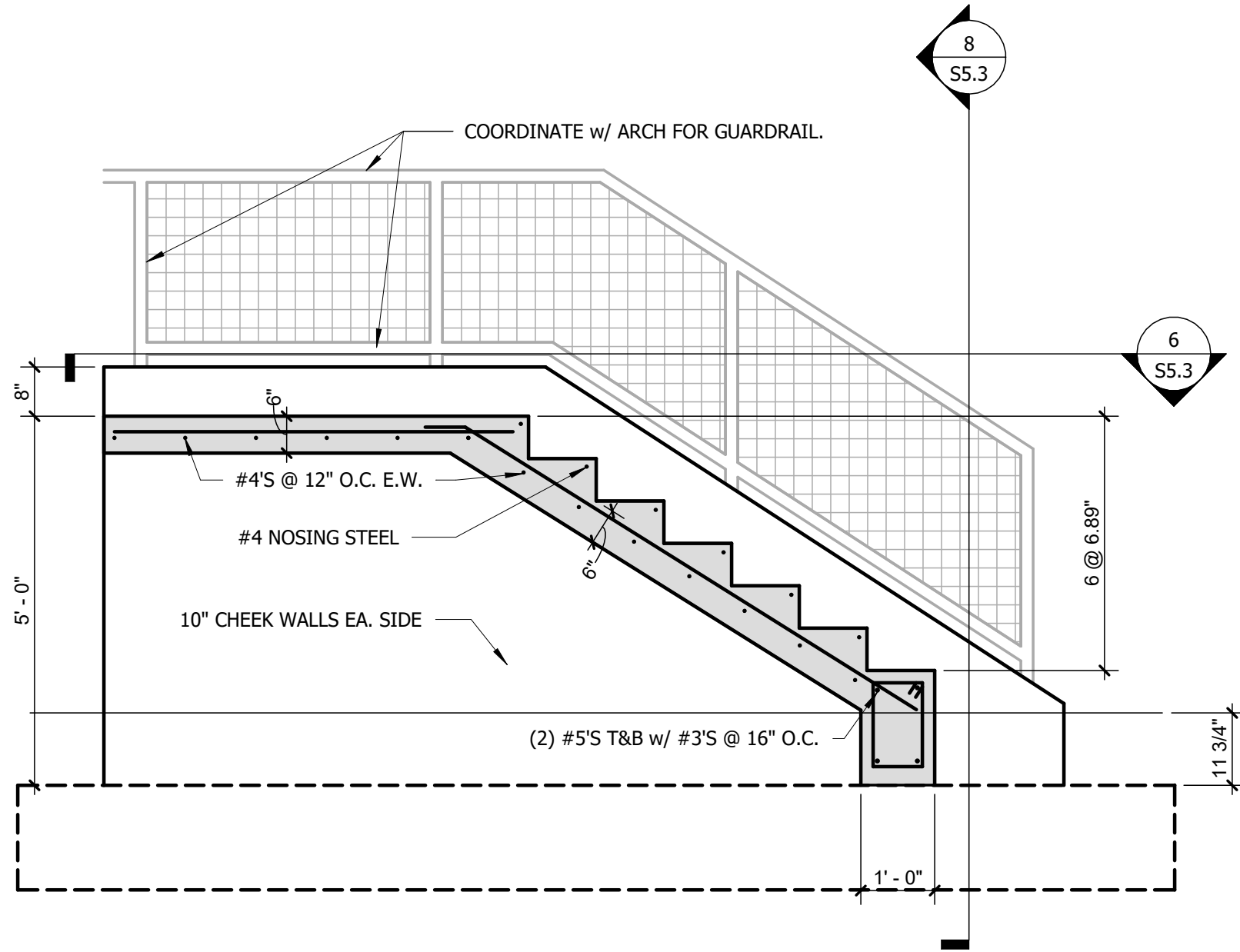
**4 TYPICAL FLOOR OPENING REINFORCING DETAIL**  
1" = 1'-0"



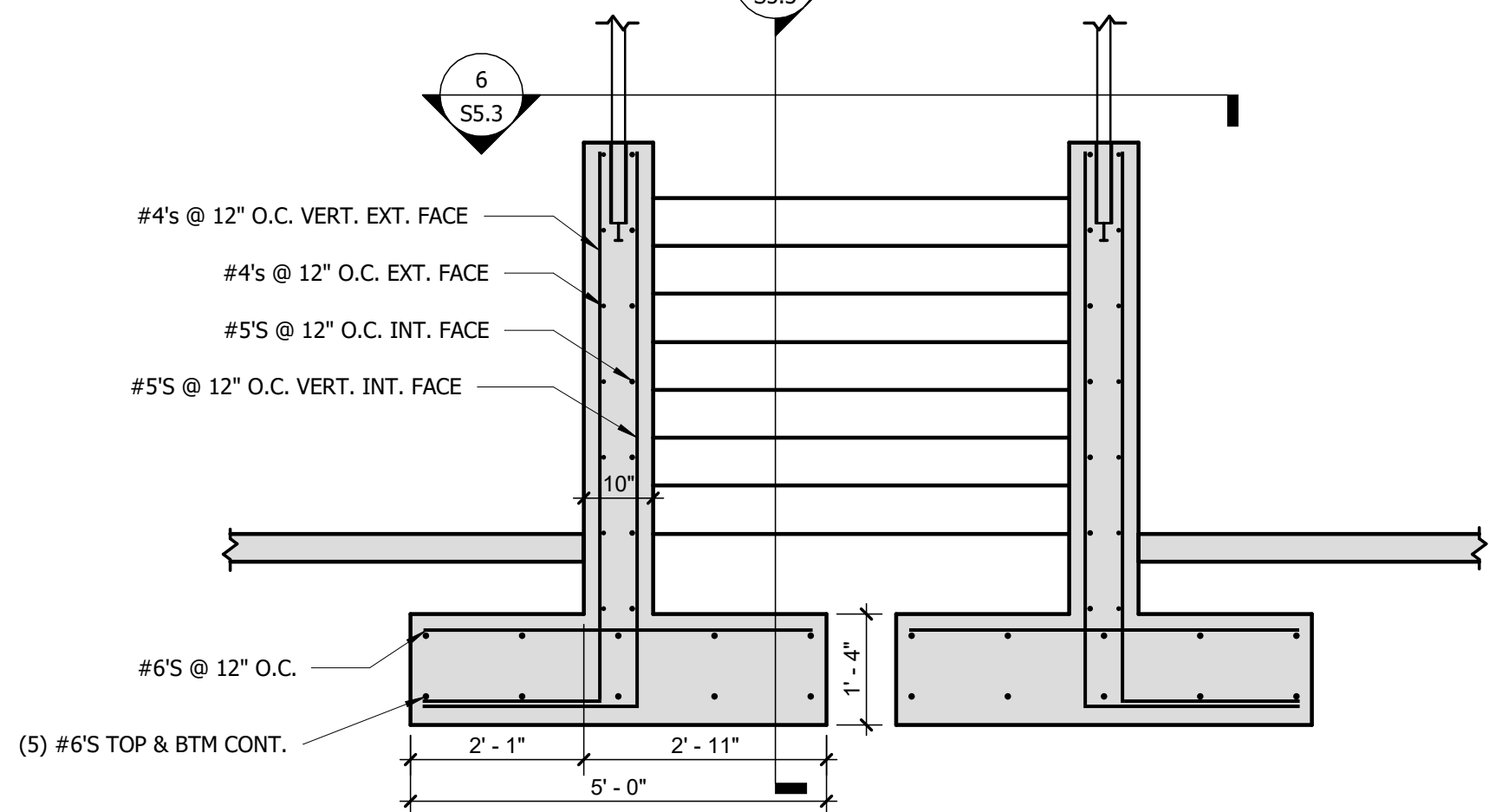
**5 TYPICAL ROOF OPENING (4" TO 16"Ø OR SQUARE)**  
1" = 1'-0"



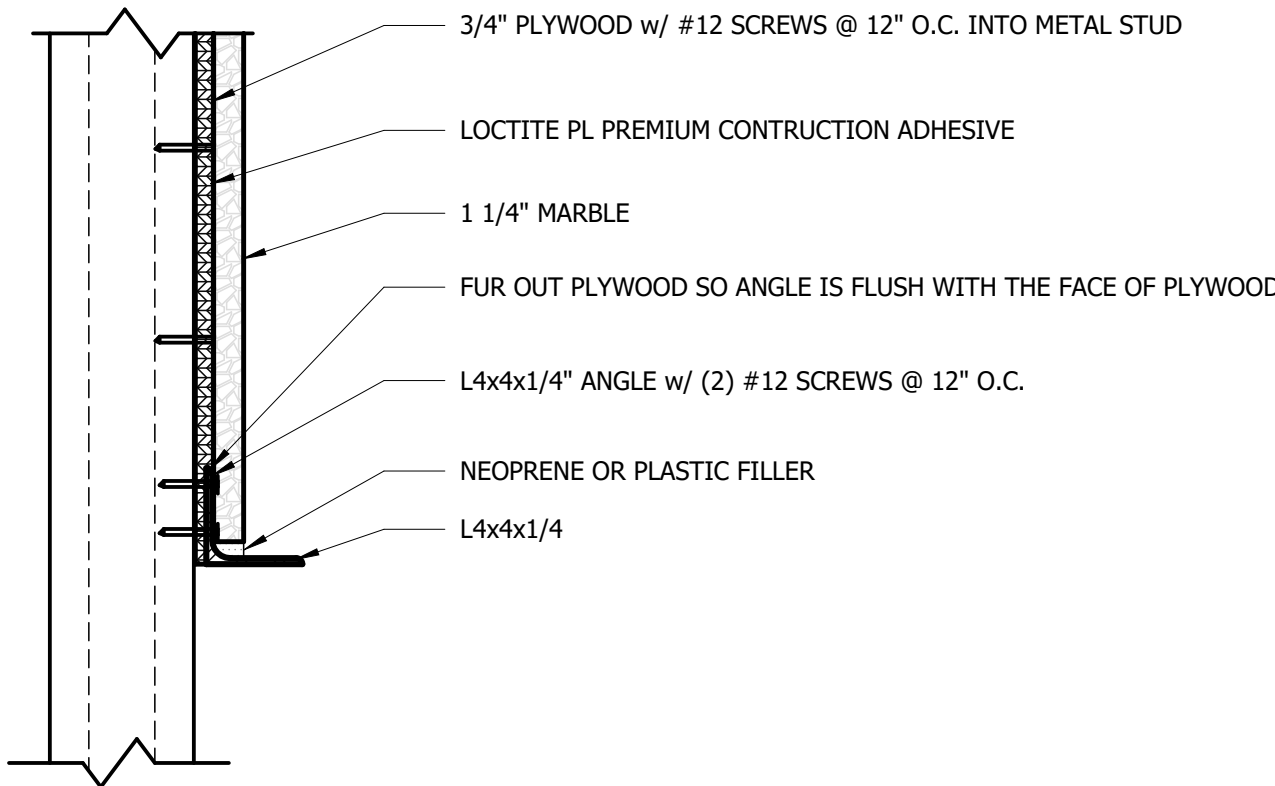
**6 SITE STAIR LAYOUT PLAN**  
1/2" = 1'-0"



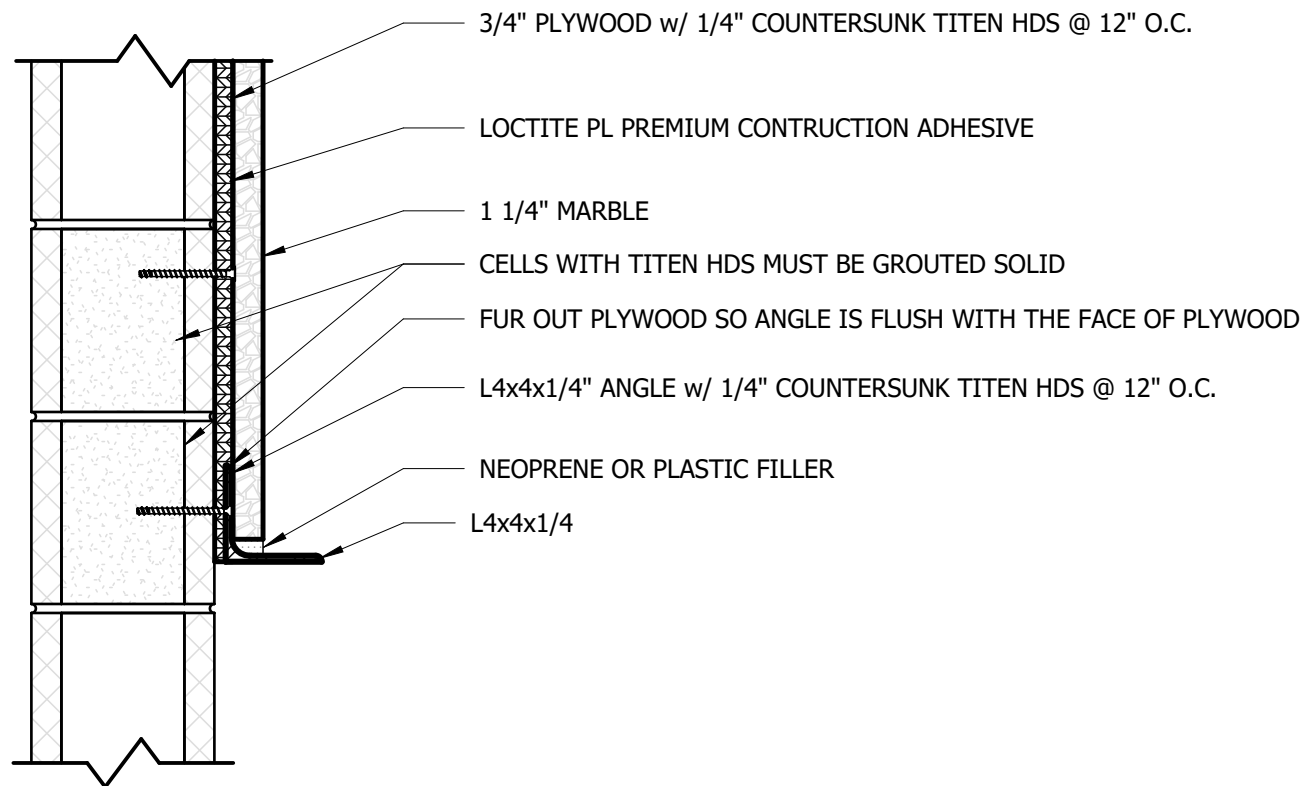
**7 SECTION THRU SITE STAIR**  
1/2" = 1'-0"



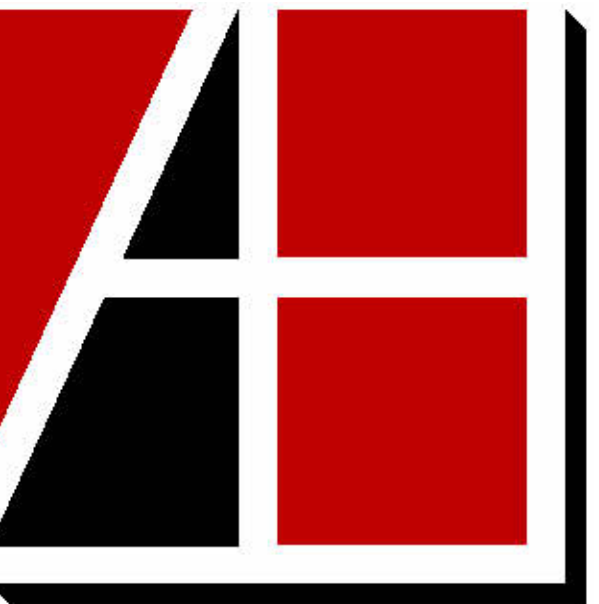
**8 SECTION THRU SITE STAIR**  
1/2" = 1'-0"



**9 MARBLE MOUNTING ASSEMBLY @ CFS STUDS**  
1 1/2" = 1'-0"



**10 MARBLE MOUNTING ASSEMBLY @ CMU WALL**  
1 1/2" = 1'-0"



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S5.3



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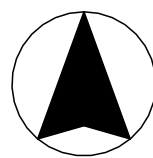
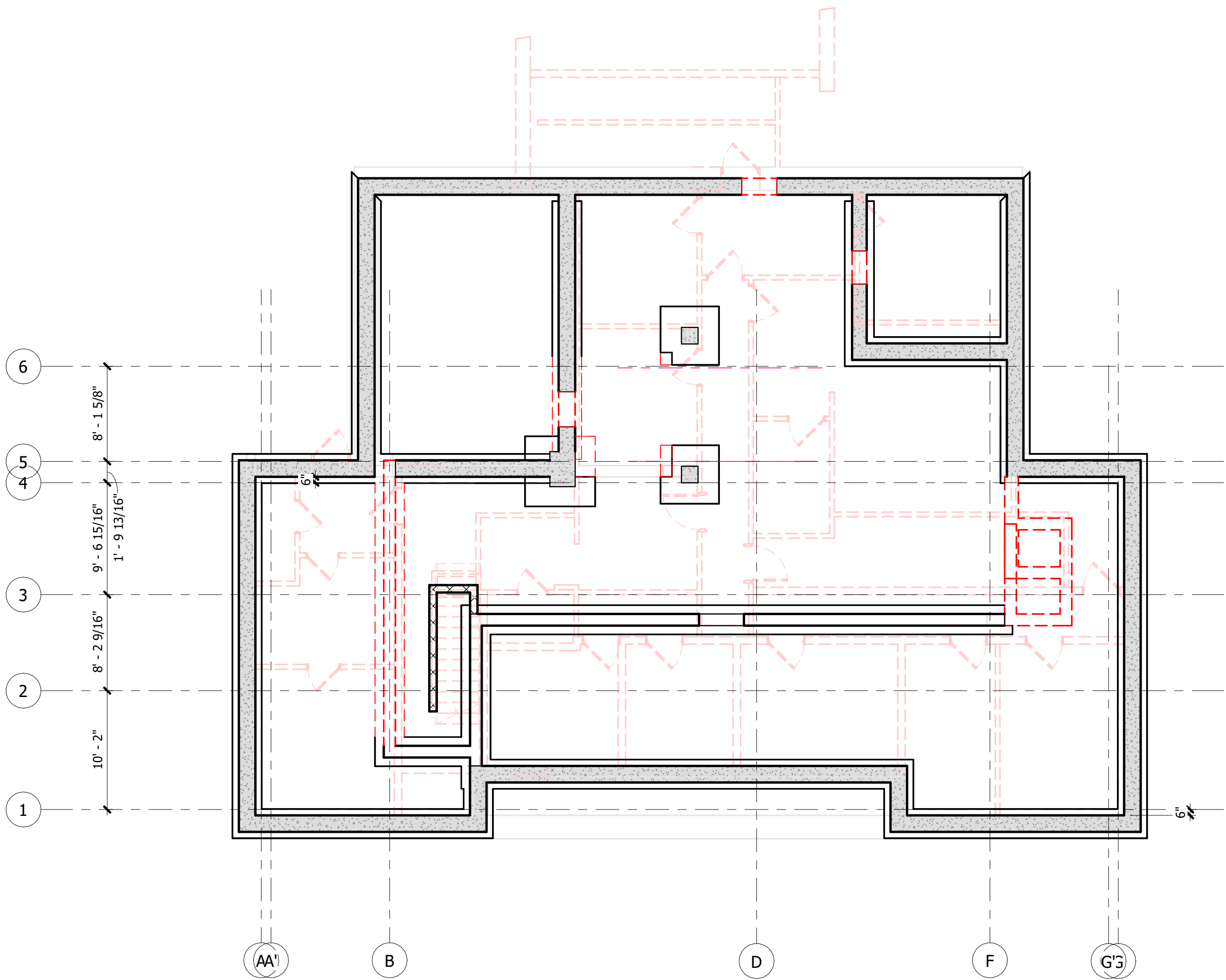
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EXISTING BRICK REUSE NOTE

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.



**1 BASEMENT DEMOLITION PLAN**

1/8" = 1'-0"

S3.4

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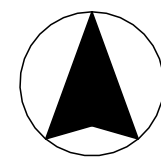
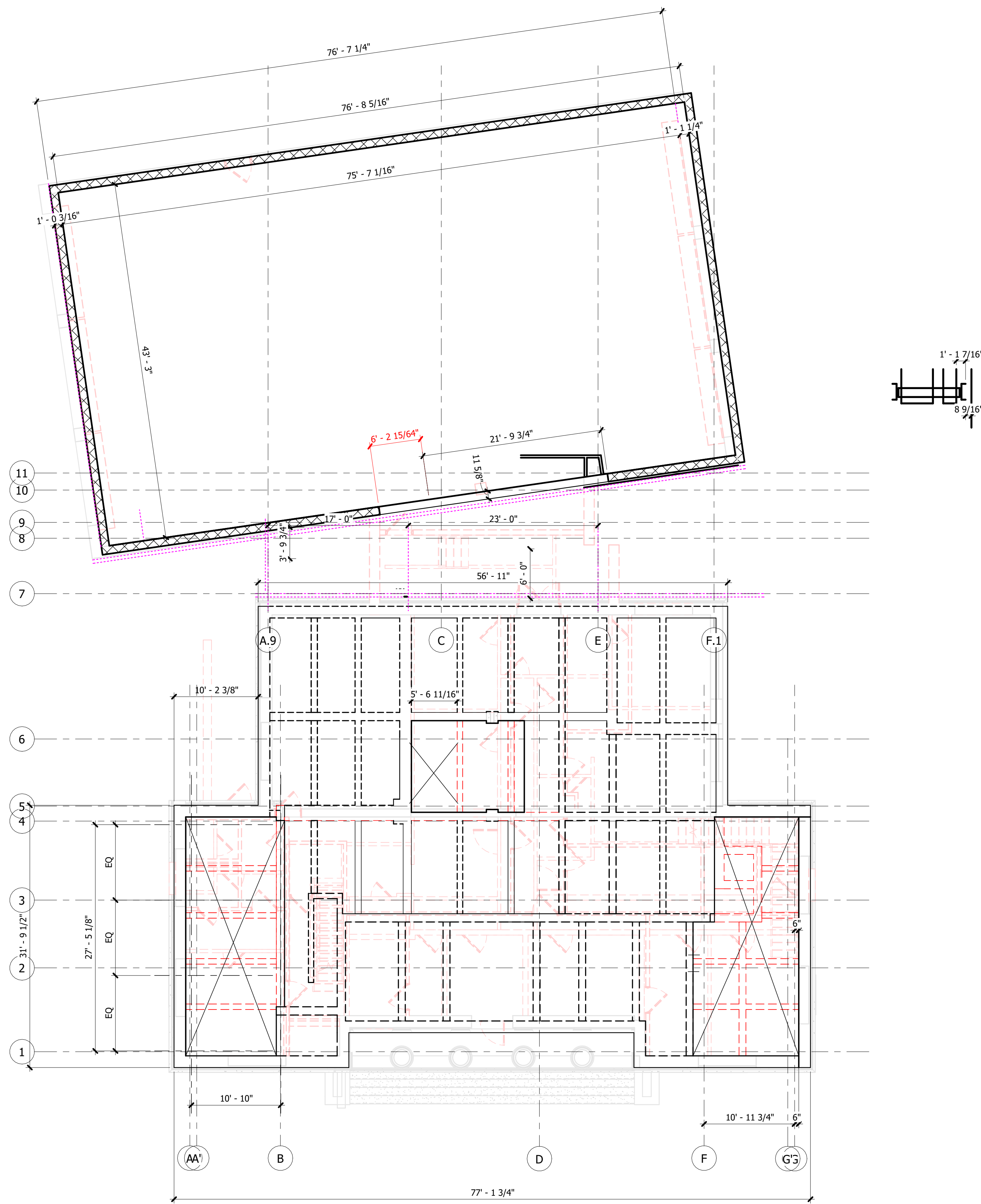
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EXISTING BASEMENT  
DEMOLITION PLAN

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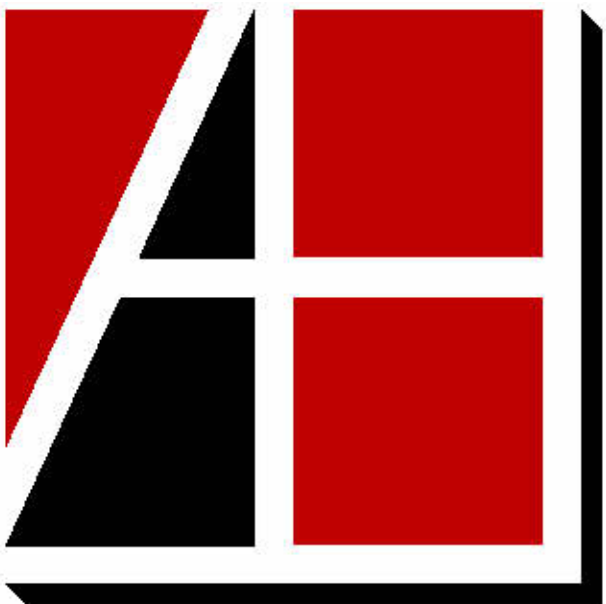
SD1.1

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**1 GROUND FLOOR DEMOLITION PLAN**  
1/8" = 1'-0" S3.4

| EXISTING BRICK REUSE NOTE |                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                        | SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.                                                                            |
| 2.                        | REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.                                                         |
| 3.                        | MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS. |
| 4.                        | CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.                                                                         |



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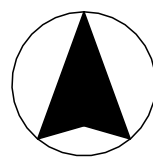
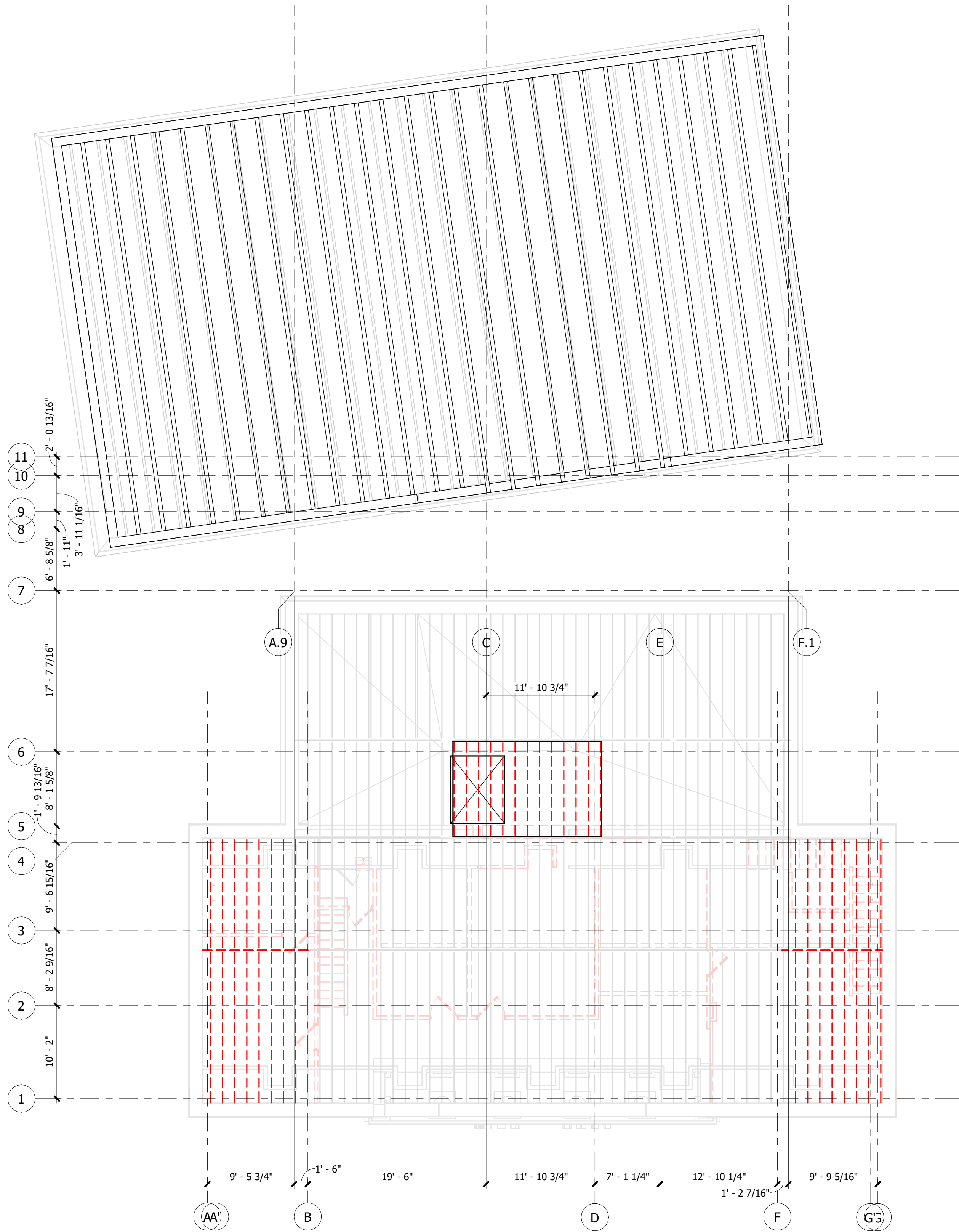
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EXISTING GROUND FLOOR  
DEMOLITION PLAN

JOB NO: 63492 DRAWN: JTS  
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SD1.2

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**1 SECOND FLOOR DEMOLITION PLAN**

1/8" = 1'-0"

S3.4

**EXISTING BRICK REUSE NOTE**

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.



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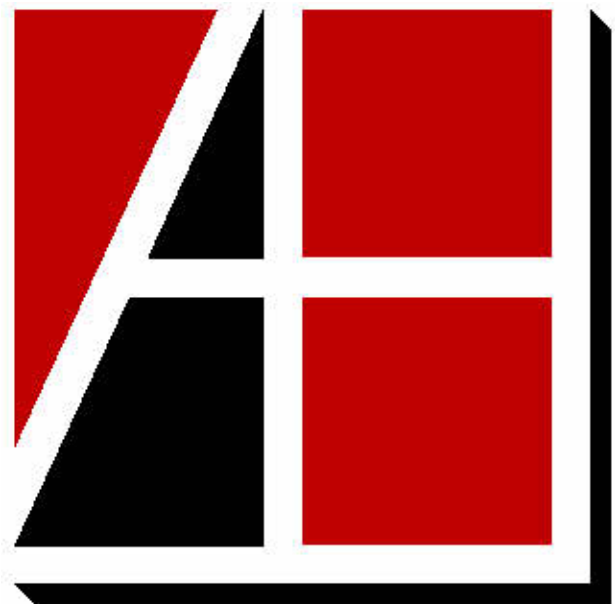
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No. Revision Description Date

**SECOND FLOOR DEMOLITION PLAN**

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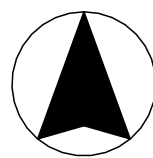
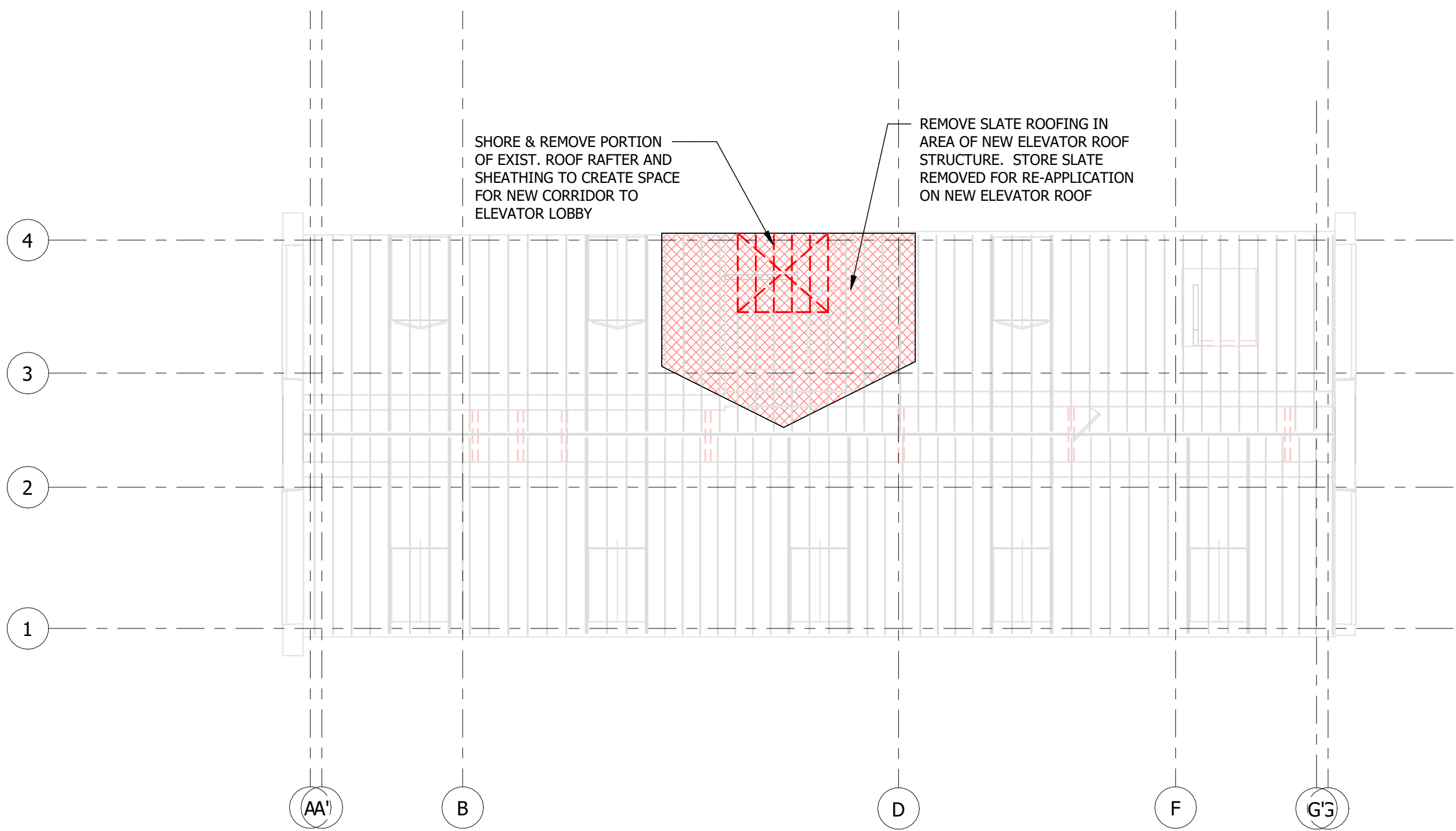
**SD1.3**



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**1** ROOF DEMOLITION PLAN  
1/8" = 1'-0" S4.1

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ROOF DEMOLITION PLAN

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SD1.4



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| ABBREVIATIONS |                                     |
|---------------|-------------------------------------|
| ABBREVIATION  | MEANING                             |
| AB            | ABOVE                               |
| ACD           | AUTOMATIC CONTROL DAMPER            |
| ACM           | ASBESTOS CONTAINING MATERIAL        |
| AD            | ACCESS DOOR                         |
| ADF           | ABOVE FINISHED FLOOR                |
| AFM           | AIR FLOW METER                      |
| AFUE          | ANNUAL FUE UTILIZATION EFFICIENCY   |
| AHAP          | AS HIGH AS POSSIBLE                 |
| AHU           | AIR HANDLING UNIT                   |
| AMP           | AMPERE                              |
| AP            | ACCESS PANEL                        |
| APD           | AIR PRESSURE DROP                   |
| ARCH          | ARCHITECTURAL                       |
| ASSOC         | ASSOCIATED                          |
| ATC           | AUTOMATIC TEMPERATURE CONTROL       |
| ATM           | ATMOSPHERE                          |
|               |                                     |
| RDD           | BACK-DRAFT DAMPER                   |
| BEL           | BELOW                               |
| BHP           | BRAKE HORSEPOWER                    |
| BOD           | BOTTOM OF DUCT                      |
| BTU           | BRITISH THERMAL UNIT                |
| BTUH or BTU/H | BTU PER HOUR                        |
|               |                                     |
| CAI           | COMBUSTION AIR INTAKE               |
| CAV           | CONSTANT AIR VOLUME                 |
| CF            | CUBIC FEET                          |
| CFM           | CUBIC FEET PER MINUTE               |
| CH            | CHILLED OR CHILLER                  |
| CHW           | CHILLED WATER                       |
| CL            | CENTER LINE                         |
| CLG           | CEILING                             |
| CLG           | COOLING OR CEILING                  |
| CO            | CARBON MONOXIDE                     |
| CO2           | CARBON DIOXIDE                      |
| CONN          | CONNECT(ION)                        |
| COP           | COEFFICIENT OF PERFORMANCE          |
| CP            | CHROME PLATED                       |
| CPVC          | CHLORINATED POLYVINYL CHLORIDE      |
| CT            | COOLING TOWER                       |
| CTBD          | COOLING TOWER BLOW DOWN             |
| CJ            | CONDENSING UNIT                     |
|               |                                     |
| DB            | DRY BULB (TEMPERATURE)              |
| DDC           | DIRECT DIGITAL CONTROL              |
| DEG           | DEGREE                              |
| DEMO          | DEMOLITION OR DEMOLISH              |
| DIA           | DIAMETER                            |
| DIW           | DIMENSION                           |
| DIS           | DISCHARGE                           |
| DN            | DOWN                                |
| DP            | DIFFERENTIAL PRESSURE               |
|               |                                     |
| EA            | EACH                                |
| EAT           | ENTERING AIR TEMPERATURE            |
| EC(M)         | ELECTRONICALLY COMMUTATED (MOTOR)   |
| EER           | ENERGY EFFICIENCY RATIO             |
| EFF           | EFFICIENCY                          |
| ELEC          | ELECTRICAL                          |
| ELV           | ELEVATION                           |
| EMER          | EMERGENCY                           |
| EMS           | ENERGY MANAGEMENT SYSTEM            |
| ENT           | ENTERING                            |
| EQUIP         | EQUIPMENT                           |
| ESP           | EXTERNAL STATIC PRESSURE            |
| EWT           | ENTERING WATER TEMPERATURE          |
| EXP           | EXPANSION                           |
| EXT           | EXTERNAL                            |
|               |                                     |
| F             | FAHRENHEIT                          |
| F&T           | FLOAT & THERMOSTATIC                |
| FA            | FREE AREA OR FIRE ALARM             |
| FC            | FLEXIBLE CONNECTION                 |
| FCD           | FLOOR CLEANOUT                      |
| FD            | FLOOR DRAIN, OR FIRE DEPARTMENT     |
| FD            | FIRE DAMPER                         |
| FFE           | FINISHED FLOOR ELEVATION            |
| FHC           | FIRE HOSE CABINET                   |
| FHV           | FIRE HOSE VALVE                     |
| FLA           | FULL LOAD AMPS                      |
| FLEX          | FLEXIBLE                            |
| FP            | FIRE PROTECTION                     |
| FPI           | FINS PER INCH                       |
| PPM           | FEET PER MINUTE                     |
| FPS           | FEET PER SECOND                     |
| FRP           | FIBERGLASS REINFORCED PLASTIC       |
| FS            | FLOW SWITCH                         |
| FT            | FEET                                |
|               |                                     |
| GA            | GAUGE                               |
| GAL           | GALLONS                             |
| GALV          | GALVANIZED                          |
| GCO           | GRADE CLEANOUT                      |
| GU            | GLYCOL FEED UNIT                    |
| GPH           | GALLONS PER HOUR                    |
| GPM           | GALLONS PER MINUTE                  |
|               |                                     |
| HB            | HOSE BIB (CONNECTION)               |
| HD            | HEAD OR HUB DRAIN                   |
| HG            | HOT GAS (REFRIGERANT)               |
| HORIZ         | HORIZONTAL                          |
| HP            | HORSEPOWER OR HIGH POINT            |
| HR            | HOUR                                |
| HSPF          | HEATING SEASONAL PERFORMANCE FACTOR |
| HTG           | HEATING                             |
| HZ            | HERTZ (CYCLES PER SECOND)           |
|               |                                     |
| ID            | INSIDE DIAMETER                     |
| IN            | INCHES                              |
| IPLV          | INTEGRATED PART LOAD VALUE          |
|               |                                     |
| KW            | KILOWATT                            |

| ABBREVIATIONS |                                                                    |
|---------------|--------------------------------------------------------------------|
| ABBREVIATION  | MEANING                                                            |
| LAT           | LEAVING AIR TEMPERATURE                                            |
| LB            | POUND                                                              |
| LD            | LINEAR DIFFUSER                                                    |
| LF            | LINEAR FEET                                                        |
| LP            | LOW POINT                                                          |
| LPS           | LOW PRESSURE STEAM                                                 |
| LRA           | LOCKED ROTOR AMPS                                                  |
| LVDR          | LOUVERED DOOR                                                      |
| LVG           | LEAVING                                                            |
| LVR           | LOUVER                                                             |
| LWT           | LEAVING WATER TEMPERATURE                                          |
|               |                                                                    |
| MAT           | MIXED AIR TEMPERATURE                                              |
| MAX           | MAXIMUM                                                            |
| MBH           | 1000 BTUH                                                          |
| MCA           | MINIMUM CIRCUIT AMPS                                               |
| MD            | MOTORIZED DAMPER                                                   |
| MECH          | MECHANICAL                                                         |
| MFR           | MANUFACTURER                                                       |
| MIN           | MINIMUM                                                            |
| MMBTU         | 1,000,000 BTU                                                      |
| MUA           | MAKE-UP AIR                                                        |
| MUW           | MAKE-UP WATER                                                      |
| MZ            | MULTI-ZONE                                                         |
|               |                                                                    |
| NC            | NOISE CRITERIA OR NORMALLY CLOSED                                  |
| NG            | NATURAL GAS                                                        |
| NIC           | NOT IN CONTRACT                                                    |
| NO            | NORMALLY OPEN OR NITROUS OXIDE                                     |
| NOM           | NOMINAL                                                            |
| NPLV          | NONSTANDARD PARD LOAD VALUE                                        |
| NTS           | NOT TO SCALE                                                       |
|               |                                                                    |
| OAI           | OUTSIDE AIR INTAKE                                                 |
| OC            | ON CENTER                                                          |
| OD            | OUTSIDE DIAMETER                                                   |
| ODP           | OPEN DROP PROOF                                                    |
| OPD           | OPPOSED BLADE DAMPER                                               |
| OPP           | OPPOSITE                                                           |
| OV            | OUTLET VELOCITY                                                    |
|               |                                                                    |
| PCF           | POUNDS PER CUBIC FOOT                                              |
| PD            | PRESSURE DROP                                                      |
| PH            | PHASE                                                              |
| PLBG          | PLUMBING                                                           |
| PRV           | PRESSURE REDUCING VALVE                                            |
| PSI           | POUNDS PER SQUARE INCH                                             |
| PSJA          | POUNDS PER SQUARE INCH - ABSOLUTE                                  |
| PSID          | POUNDS PER SQUARE INCH - DIFFERENTIAL                              |
| PSIG          | POUNDS PER SQUARE INCH - GAUGE                                     |
| PVC           | POLYVINYL CHLORIDE                                                 |
|               |                                                                    |
| QTY           | QUANTITY                                                           |
|               |                                                                    |
| R             | RADIUS                                                             |
| RAD           | RADIATED                                                           |
| REQD          | REQUIRED                                                           |
| RH            | RELATIVE HUMIDITY                                                  |
| RLA           | RUNNING LOAD AMPS                                                  |
| ROW           | REVERSE OSMOSIS WATER                                              |
| RPM           | REVOLUTIONS PER MINUTE                                             |
| RTU           | ROOF-TOP UNIT                                                      |
|               |                                                                    |
| SAD           | SUPPLY AIR DUCT OR DIFFUSER                                        |
| SAG           | SUPPLY AIR GRILLE                                                  |
| SCR           | SEMICONDUCTOR CONTROLLED RECTIFIER                                 |
| SD            | SMOKE DETECTOR OR SMOKE DAMPER OR STORM DRAIN                      |
| SDO           | STORM DRAIN OVERFLOW                                               |
| SE            | SMOKE EXHAUST                                                      |
| SECT          | SECTION                                                            |
| SEER          | SEASONAL ENERGY EFFICIENCY RATIO                                   |
| SEN           | SENSIBLE                                                           |
| SF            | SQUARE FEET                                                        |
| SFD           | COMBINATION SMOKE / FIRE DAMPER                                    |
| SHC           | SENSIBLE HEAT CAPACITY                                             |
| SIM           | SIMILAR                                                            |
| SMACNA        | SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION |
| SP            | STATIC PRESSURE                                                    |
| SR            | SAFETY RELIEF                                                      |
| SS            | STAINLESS STEEL OR SANITARY SEWER                                  |
| STRUCT        | STRUCTURAL                                                         |
| SUP           | SUPPLY                                                             |
| SZ            | SINGLE ZONE                                                        |
|               |                                                                    |
| T             | TEMPERATURE OR THERMOSTAT                                          |
| TAB           | TESTING, ADJUSTING, & BALANCING                                    |
| TEFC          | TOTALLY ENCLOSED FAN COOLED                                        |
| TEMP          | TEMPERATURE                                                        |
| TON           | 12,000 BTUH (COOLING CAPACITY)                                     |
| TSP           | TOTAL STATIC PRESSURE                                              |
| TSTAT         | THERMOSTAT                                                         |
| TYP           | TYPICAL                                                            |
|               |                                                                    |
| UG            | UNDERGROUND                                                        |
| UNO           | UNLESS NOTED OTHERWISE                                             |
|               |                                                                    |
| V             | VOLTS                                                              |
| VAC           | VACUUM                                                             |
| VAV           | VARIABLE AIR VOLUME                                                |
| VD            | VOLUME DAMPER                                                      |
| VEL           | VELOCITY                                                           |
| VFD           | VARIABLE FREQUENCY DRIVE                                           |
| VTR           | VENT THROUGH ROOF                                                  |
|               |                                                                    |
| WB            | WET BULB (TEMPERATURE)                                             |
| WC            | WATER COLUMN                                                       |
| WCO           | WALL CLEANOUT                                                      |
| WG            | WATER GAUGE                                                        |
| WPD           | WATER PRESSURE DROP                                                |

| GENERAL SYMBOLS                                 |  |
|-------------------------------------------------|--|
| SUPPLY DIFFUSER                                 |  |
| RETURN DIFFUSER                                 |  |
| EXHAUST DIFFUSER                                |  |
| AIR TERMINAL TAG                                |  |
| SUPPLY AIR FLOW AND DIRECTION                   |  |
| RETURN/EXHAUST AIR FLOW AND DIRECTION           |  |
| SIDEWALL GRILLE                                 |  |
| APPROXIMATE CONNECTION POINT OF NEW TO EXISTING |  |
| APPROXIMATE DISCONNECTION POINT OF EXISTING     |  |
| KEYNOTE                                         |  |
| ENLARGED PLAN OR DETAIL CALL OUT TAG            |  |
| SECTION TAG                                     |  |
| ELEVATION TAG                                   |  |
| 3D VIEW TAG / RISER CALLOUT                     |  |
| CLEARANCE LINEWORK                              |  |
| DEMO LINEWORK                                   |  |
| EXIST LINEWORK                                  |  |
| NEW LINEWORK                                    |  |

| DUCTWORK                                |  |
|-----------------------------------------|--|
| OVAL                                    |  |
| RECTANGULAR                             |  |
| ROUND                                   |  |
| FLEXIBLE                                |  |
| DUCT INSULATION (IF SHOWN)              |  |
| SUPPLY, OUTSIDE, OR COMBUSTION AIR UP   |  |
| RETURN, RELIEF, OR TRANSFER AIR UP      |  |
| EXHAUST UP                              |  |
| SUPPLY, OUTSIDE, OR COMBUSTION AIR DOWN |  |
| RETURN, RELIEF, OR TRANSFER AIR DOWN    |  |
| EXHAUST DOWN                            |  |
| CONTINUATION                            |  |
| RECTANGULAR ELBOW WITH TURNING VANES    |  |
| ROUND ELBOW                             |  |
| CONTROL DAMPER AUTOMATIC                |  |
| BALANCING DAMPER MANUAL                 |  |
| OPPOSED BLADE DAMPER                    |  |
| PARALLEL BLADE DAMPER                   |  |
| FIRE DAMPER                             |  |
| SMOKE DAMPER                            |  |

| EQUIPMENT DESIGNATIONS      |                                     |
|-----------------------------|-------------------------------------|
| AHU-1                       | UNIT IDENTIFICATION NUMBER          |
| INDICATES TYPE OF EQUIPMENT |                                     |
| ACC                         | = AIR COOLED CHILLER                |
| AFM                         | = AIRFLOW MONITORING STATION        |
| AHU                         | = AIR HANDLING UNIT                 |
| CP                          | = CONDENSATE PUMP                   |
| CU                          | = CONDENSING UNIT                   |
| CUH                         | = CABINET UNIT HEATER               |
| CVR                         | = CONSTANT VOLUME REHEAT            |
| DOAS                        | = DEDICATED OUTDOOR AIR SYSTEM      |
| EF                          | = EXHAUST FAN                       |
| ET                          | = EXPANSION TANK                    |
| EUH                         | = ELECTRIC UNIT HEATER              |
| FCU                         | = FAN COIL UNIT                     |
| FTF                         | = FIN TUBE RADIATOR                 |
| GFF                         | = GAS FIRED FURNACE                 |
| HP                          | = HEAT PUMP                         |
| HRRU                        | = HEAT RECOVERY UNIT                |
| HVLS                        | = HIGH VOLUME LOW SPEED FAN         |
| IU                          | = INDOOR UNIT (MINI-SPLIT OR VRF)   |
| IRH                         | = INFRARED HEATER                   |
| KH                          | = KITCHEN HOOD                      |
| MAU                         | = MAKE UP AIR UNIT                  |
| OU                          | = OUTDOOR UNIT (MINI-SPLIT OR VRF)  |
| P                           | = PUMP                              |
| PRC                         | = PORTABLE FUME COLLECTOR           |
| PKU                         | = PACKAGED AIR CONDITIONING UNIT    |
| PRV                         | = PRESSURE REDUCING VALVE           |
| RH                          | = ROOF HOOD                         |
| RTU                         | = ROOF TOP UNIT                     |
| UH                          | = UNIT HEATER                       |
| VAV                         | = VARIABLE AIR VOLUME TERMINAL UNIT |
| VVR                         | = VARIABLE VOLUME REHEAT            |

| DUCT SYSTEMS   |              |                                                                                     |                                                                                     |
|----------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SYSTEM         | ABBREVIATION | EXIST                                                                               | NEW                                                                                 |
| COMBUSTION AIR | CA           |  |  |
| EXHAUST AIR    | EA           |  |  |
| FLUE GAS       | FG           |  |  |
| OUTSIDE AIR    | OA           |  |  |
| RELIEF AIR     | RLF          |  |  |
| RETURN AIR     | RA           |  |  |
| SUPPLY AIR     | SA           |  |  |
| TRANSFER AIR   | TA           |  |  |

| GENERAL NOTES |                                                                                                                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.            | THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL NOT SCALE DRAWINGS AND SHALL VERIFY ALL DIMENSIONS IN THE FIELD.                                                                            |
| 2.            | THIS IS A STANDARD LEGEND SHEET. THEREFORE SOME SYMBOLS OR ABBREVIATIONS MAY NOT BE UTILIZED IN THE DRAWINGS.                                                                                                                                  |
| 3.            | DUCT AND PIPING INSULATION MAY NOT ALWAYS BE MODELED OR SHOWN IN ALL VIEWS. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR INSULATED SYSTEMS AND SIZING.                                                                                         |
| 4.            | TRANSPARENCY OF OTHER ITEMS SHOWN IN SECTIONS, ELEVATIONS, AND 3D VIEWS MAY AFFECT COLOR RENDERING OF OBJECTS BEYOND. CONSULT ALL RELEVANT VIEWS TO CONFIRM DESIGN INTENT.                                                                     |
| 5.            | ISOMETRIC VIEWS ARE PROVIDED FOR REFERENCE ONLY AND ONLY INTENDED TO CONVEY GENERAL ARRANGEMENT. CONSULT ALL RELEVANT VIEWS TO CONFIRM DESIGN INTENT.                                                                                          |
| 6.            | WHEN THE WORD "PROVIDE" IS USED IT MEANS TO FURNISH AND INSTALL.                                                                                                                                                                               |
| 7.            | ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN PURSUED CHASES OR SUSPENDED CEILING UNLESS OTHERWISE NOTED.                                                                                                             |
| 8.            | VERIFY LOCATION OF NEW EQUIPMENT AND APPURTENANCES.                                                                                                                                                                                            |
| 9.            | COORDINATE THE HEATING, VENTILATION AND AIR CONDITIONING WORK WITH THE WORK OF ALL OTHER TRADES INVOLVED WITH THIS PROJECT.                                                                                                                    |
| 10.           | ALL DUCT DIMENSIONS ARE NET INSIDE CLEAR DIMENSIONS MEASURED INSIDE BARE METAL OR DUCT LINER.                                                                                                                                                  |
| 11.           | COORDINATE EXACT FLOOR PENETRATIONS OF DUCTS AND PIPES WITH STRUCTURE.                                                                                                                                                                         |
| 12.           | ACCESS PANELS IN SUSPENDED HARD CEILINGS ARE REQUIRED FOR ALL VALVES, DAMPERS, CONTROLS, ETC. AND SHALL BE FURNISHED AND INSTALLED UNDER ARCHITECTURAL SPECIFICATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS.                    |
| 13.           | SEE ARCHITECTURAL CEILING PLAN FOR EXACT LOCATION OF CEILING AIR DEVICES. AIR DEVICE LOCATION ON MECHANICAL SHEETS ARE FOR QUANTITY AND REFERENCE. PROVIDE FABRIC FLEXIBLE DUCT CONNECTION AT DUCTWORK CONNECTION TO ALL MECHANICAL EQUIPMENT. |
| 14.           | ALL PIPING AND DUCTWORK TO BE CAPPED AT END OF RUN.                                                                                                                                                                                            |
| 15.           | PROVIDE ISOLATION VALVES IN MAJOR PIPING BRANCHES.                                                                                                                                                                                             |
| 16.           | PROVIDE FIRE/SMOKE DAMPERS AS REQUIRED. COORDINATE LOCATIONS WITH LIFE SAFETY PLAN.                                                                                                                                                            |
| 17.           | ALL HVAC EQUIPMENT TO BE REMOVED SHALL BE COORDINATED WITH OWNER FOR POSSIBLE RE-USE.                                                                                                                                                          |
| 18.           | PROVIDE MANUAL VOLUME DAMPERS FOR ALL AIR DEVICE RUNOUTS. PROVIDE ADDITIONAL MANUAL VOLUME DAMPERS IN DUCTWORK AS REQUIRED WHETHER INDICATED OR NOT FOR PROPER HVAC TESTING & BALANCING PURPOSES AT NO ADDITIONAL COST.                        |
| 19.           | FIELD VERIFY EXISTING PIPING AND DUCTWORK DIMENSIONS AND LOCATIONS PRIOR TO START OF WORK.                                                                                                                                                     |
| 20.           | CONTROLS TO BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.                                                                                                                                                                                  |
| 21.           | ALL EQUIPMENT SHALL BE LOCATED TO ALLOW ACCESS FOR GENERAL MAINTENANCE. CONFORM TO MFR'S RECOMMENDATIONS ON EQUIPMENT CLEARANCES.                                                                                                              |
| 22.           | REFER TO ARCHITECTURAL SHEET A0.3 IN REGARDS TO PHASING ON THIS PROJECT.                                                                                                                                                                       |
| 23.           |                                                                                                                                                                                                                                                |

| CONTROL DEVICES                                  |  |
|--------------------------------------------------|--|
| BOILER EMERGENCY SHUTDOWN                        |  |
| CARBON DIOXIDE SENSOR                            |  |
| CARBON MONOXIDE SENSOR                           |  |
| COMBINATION THERMOSTAT AND HUMIDISTAT            |  |
| COMBINATION THERMOSTAT AND CARBON DIOXIDE SENSOR |  |
| DIFFERENTIAL PRESSURE SENSOR                     |  |
| HUMIDISTAT                                       |  |
| PULL STATION (KITCHEN HOOD)                      |  |
| SENSOR                                           |  |
| SMOKE DETECTOR (DUCT)                            |  |
| STATIC PRESSURE SENSOR                           |  |
| SWITCH                                           |  |
| THERMOSTAT                                       |  |

| PIPING                         |             |
|--------------------------------|-------------|
| Single Line                    | Double Line |
| ELBOW (90)                     |             |
| ELBOW (45)                     |             |
| ELBOW DOWN                     |             |
| ELBOW UP                       |             |
| PIPE INSULATION (IF SHOWN)     |             |
| TEE UP                         |             |
| TEE DOWN                       |             |
| TEE HORIZONTAL                 |             |
| 2-WAY VALVE                    |             |
| 3-WAY VALVE                    |             |
| BALL VALVE                     |             |
| BUTTERFLY VALVE                |             |
| CHECK VALVE                    |             |
| DIAPHRAGM VALVE                |             |
| GATE VALVE                     |             |
| GLOBE VALVE                    |             |
| PLUG VALVE (GEAR OPERATED)     |             |
| PLUG VALVE (LEVER OPERATED)    |             |
| CONTROL VALVE (MOTOR OPERATED) |             |

| MECHANICAL PIPING SYSTEMS |                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------|-----------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ABBREVIATION              | SYSTEM                            | EXIST                                                                                 |                                                                                       | NEW                                                                                   |                                                                                       |
|                           |                                   | Single Line                                                                           | Double Line                                                                           | Single Line                                                                           | Double Line                                                                           |
| #-G                       | GAS (MEDIUM PRESSURE)             |    |    |    |    |
| #-G                       | GAS (HIGH PRESSURE)               |    |    |    |    |
| #-S                       | STEAM (LOW PRESSURE)              |    |    |    |    |
| #-S                       | STEAM (MEDIUM PRESSURE)           |    |    |    |    |
| #-S                       | STEAM (HIGH PRESSURE)             |    |    |    |    |
| AV                        | ATMOSPHERIC VENT                  |    |    |    |    |
| BDW                       | BLOW DOWN WATER                   |    |    |    |    |
| BFW                       | BOILER FEED WATER                 |    |    |    |    |
| CA                        | COMPRESSED AIR                    |  |  |  |  |
| CD-G                      | CONDENSATE DRAIN - GRAVITY        |  |  |  |  |
| CD-P                      | CONDENSATE DRAIN - PUMPED         |  |  |  |  |
| CHR                       | CHILLED WATER RETURN              |  |  |  |  |
| CHS                       | CHILLED WATER SUPPLY              |  |  |  |  |
| CR-G                      | STEAM CONDENSATE RETURN - GRAVITY |  |  |  |  |
| CR-P                      | STEAM CONDENSATE RETURN - PUMPED  |  |  |  |  |
| CWTF                      | CONDENSER WATER FROM TOWER        |  |  |  |  |
| CWTT                      | CONDENSER WATER TO TOWER          |  |  |  |  |
| CWR                       | CONDENSER WATER RETURN            |  |  |  |  |
| CWS                       | CONDENSER WATER SUPPLY            |  |  |  |  |
| DTR                       | DUAL TEMPERATURE RETURN           |  |  |  |  |
| DTS                       | DUAL TEMPERATURE SUPPLY           |  |  |  |  |
| ERR                       | ENERGY RECOVERY RETURN            |  |  |  |  |
| ERS                       | ENERGY RECOVERY SUPPLY            |  |  |  |  |
| FOR                       | FUEL OIL RETURN                   |  |  |  |  |
| FOS                       | FUEL OIL SUPPLY                   |  |  |  |  |
| FV                        | FUEL VENT                         |  |  |  |  |
| G                         | GAS (LOW PRESSURE, ≤ 0.5 PSIG)    |  |  |  |  |
| HWR                       | HEATING WATER RETURN              |  |  |  |  |
| HWS                       | HEATING WATER SUPPLY              |  |  |  |  |
| MUW                       | MAKE-UP WATER                     |  |  |  |  |
| RG                        | REFRIGERANT GAS                   |  |  |  |  |
| RL                        | REFRIGERANT LIQUID                |  |  |  |  |
| RS                        | REFRIGERANT SUCTION               |  |  |  |  |
| SR                        | SAFETY RELIEF                     |  |  |  |  |
| UNK                       | UNKNOWN                           |  |  |  |  |

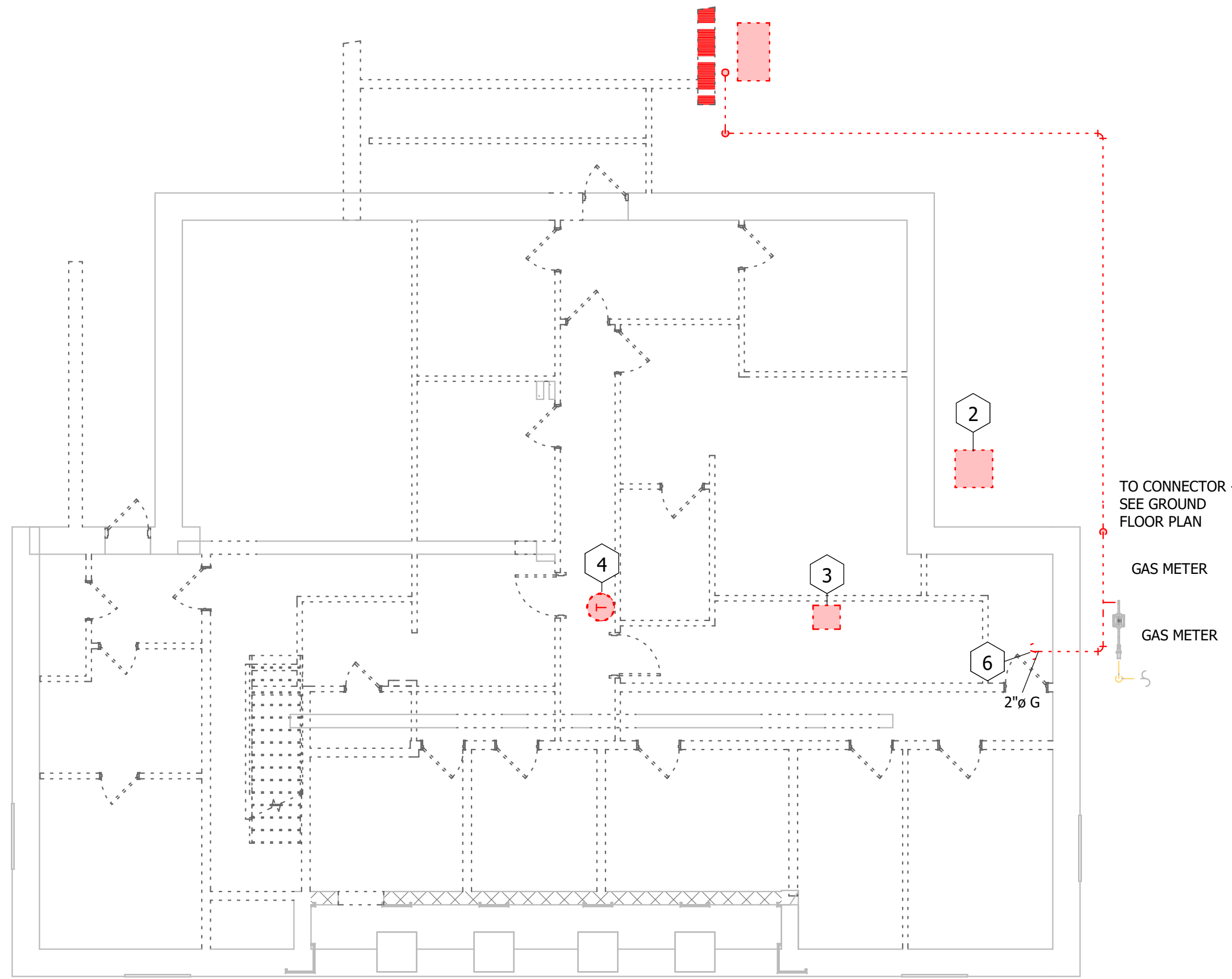
NOTE: # INDICATES PRESSURE



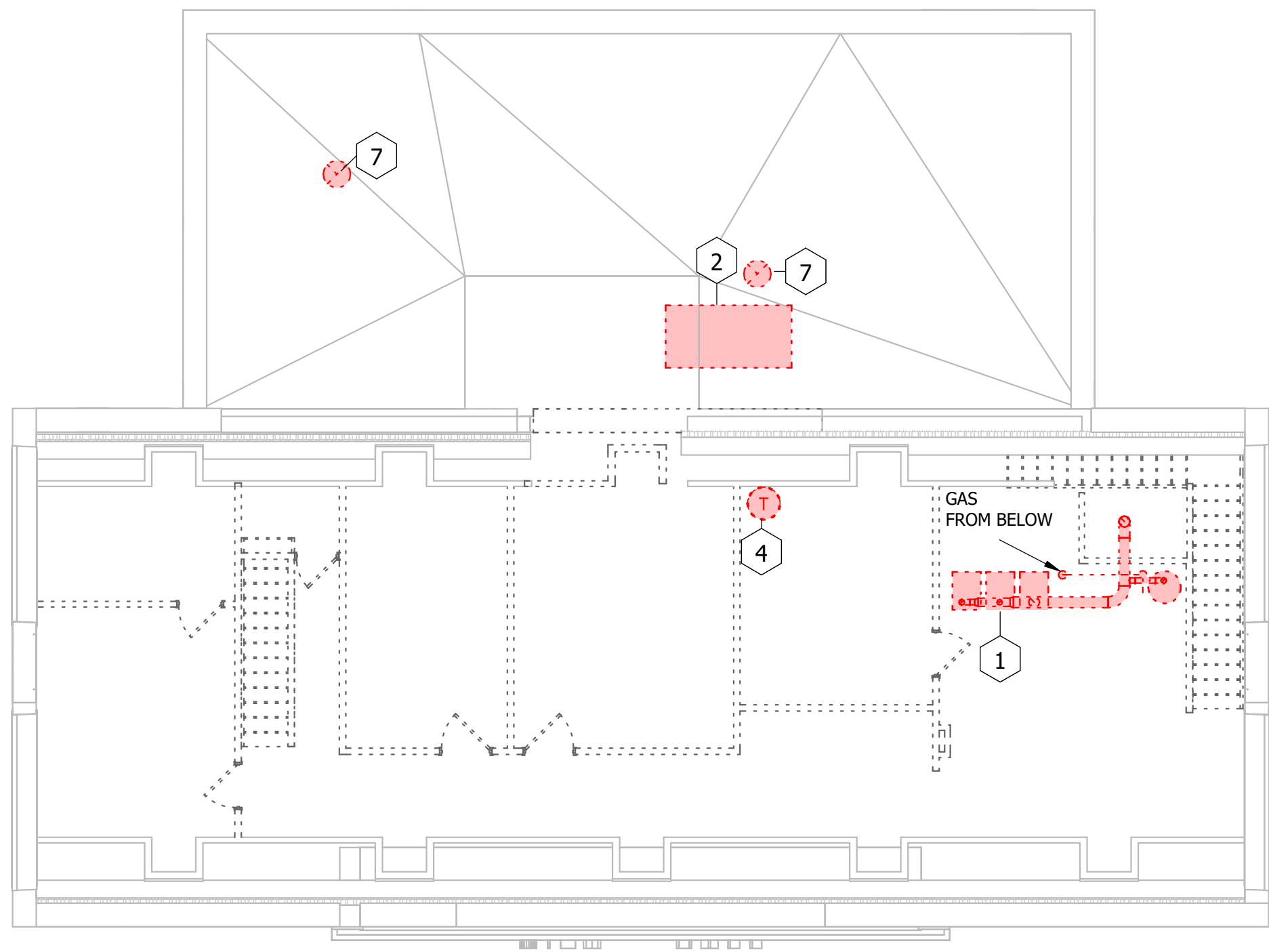
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901 820 0820 fax 866 270 6330

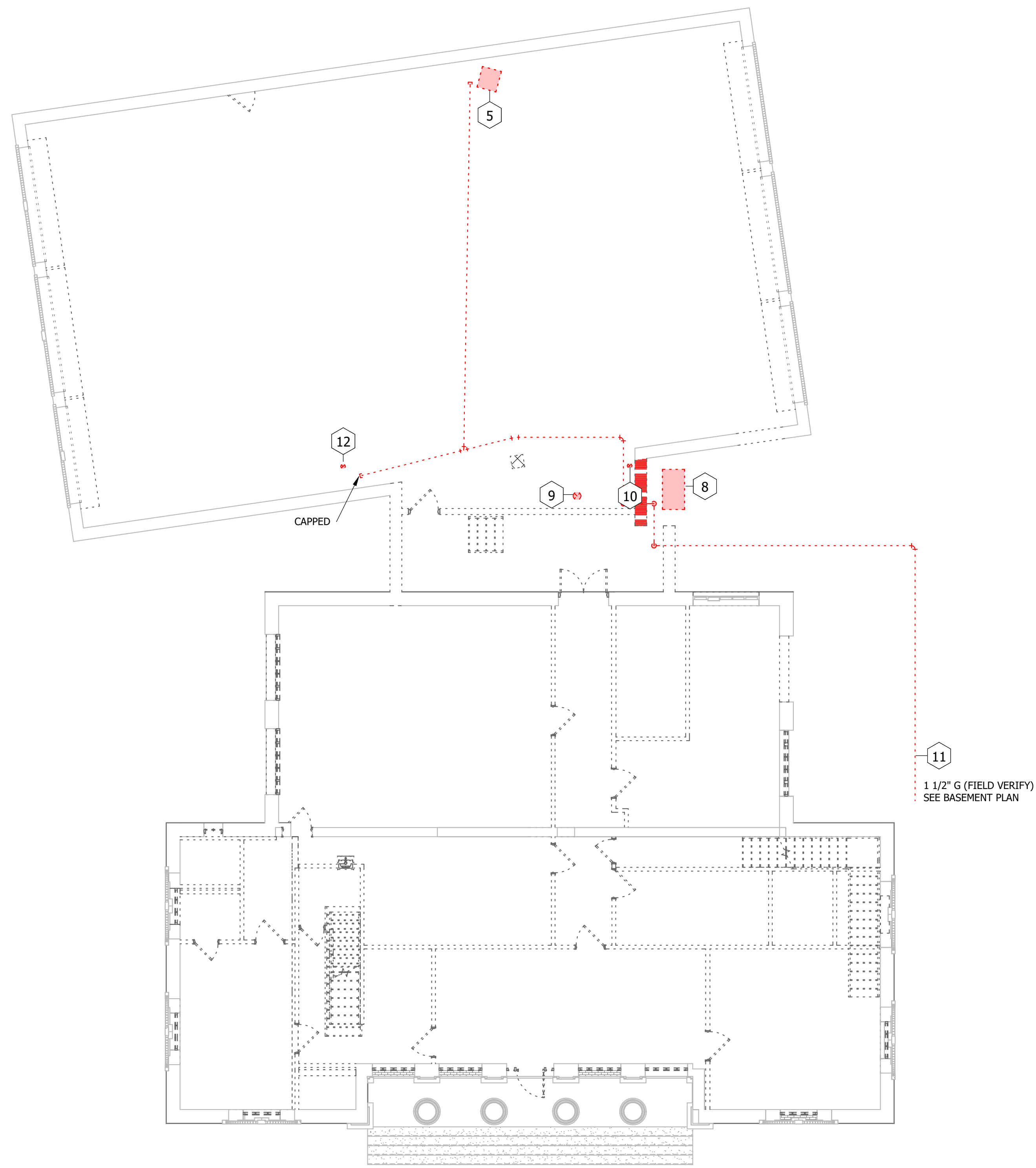
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**1 BASEMENT HVAC DEMO PLAN VIEW**  
1/8" = 1'-0"



**3 SECOND FLOOR HVAC DEMO PLAN VIEW**  
1/8" = 1'-0"



**2 GROUND FLOOR HVAC DEMO PLAN VIEW**  
1/8" = 1'-0"

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
|-----|----------------------|------|
|     |                      |      |
|     |                      |      |
|     |                      |      |
|     |                      |      |

HVAC DEMOLITION PLANS

JOB NO: 63492      DRAWN: CSS  
DATE: 01.07.2026      CONSTRUCTION DOCUMENTS

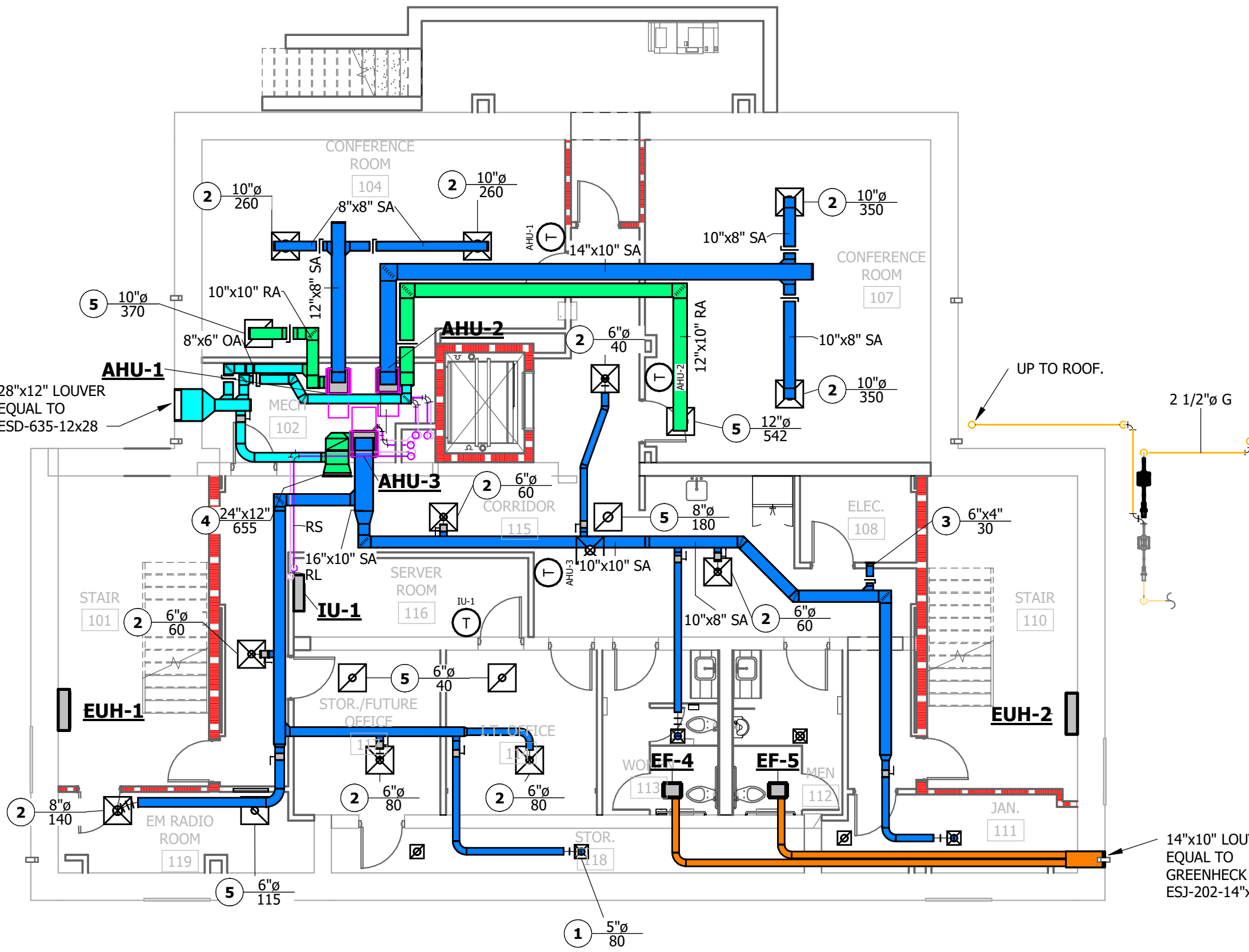
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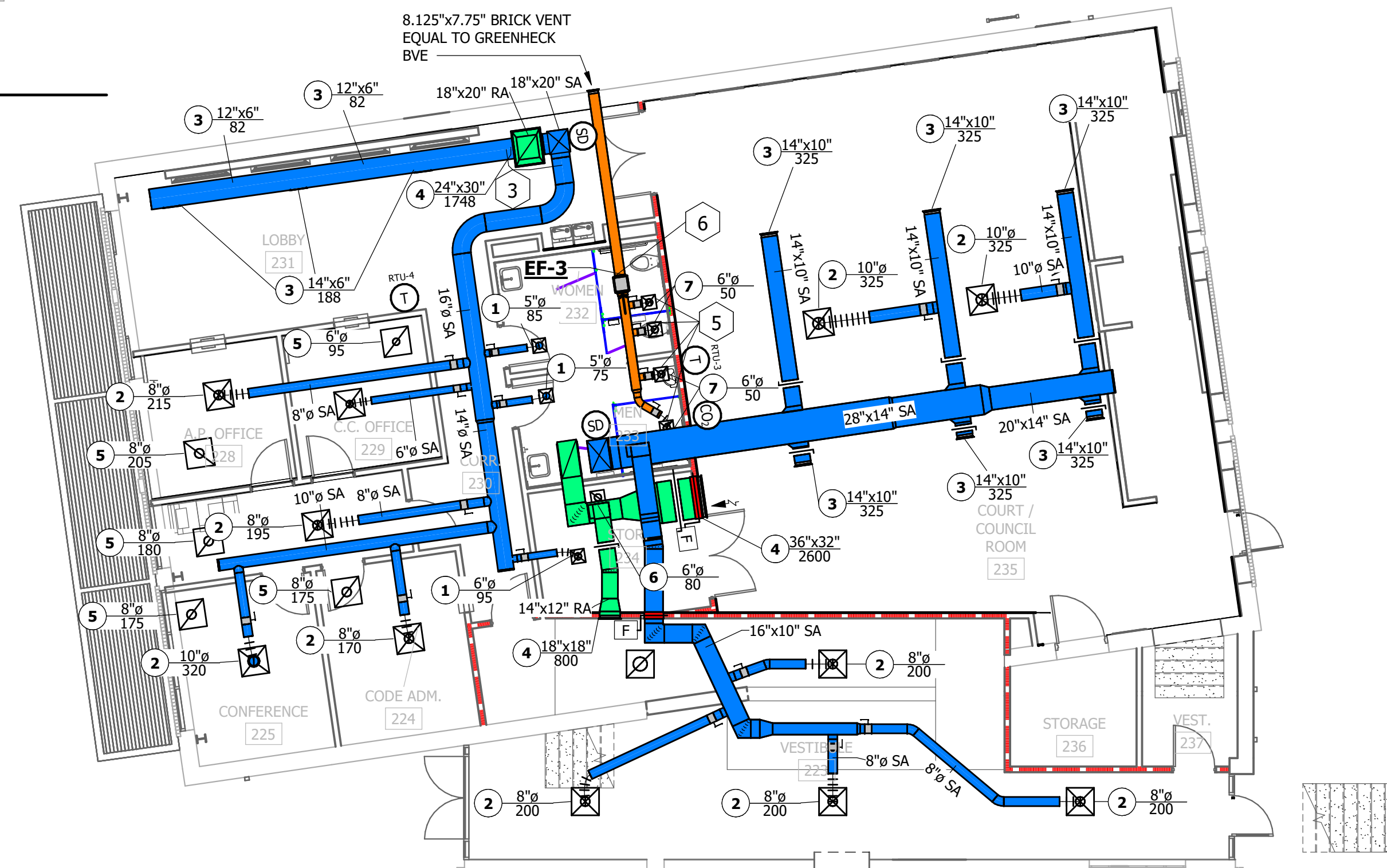
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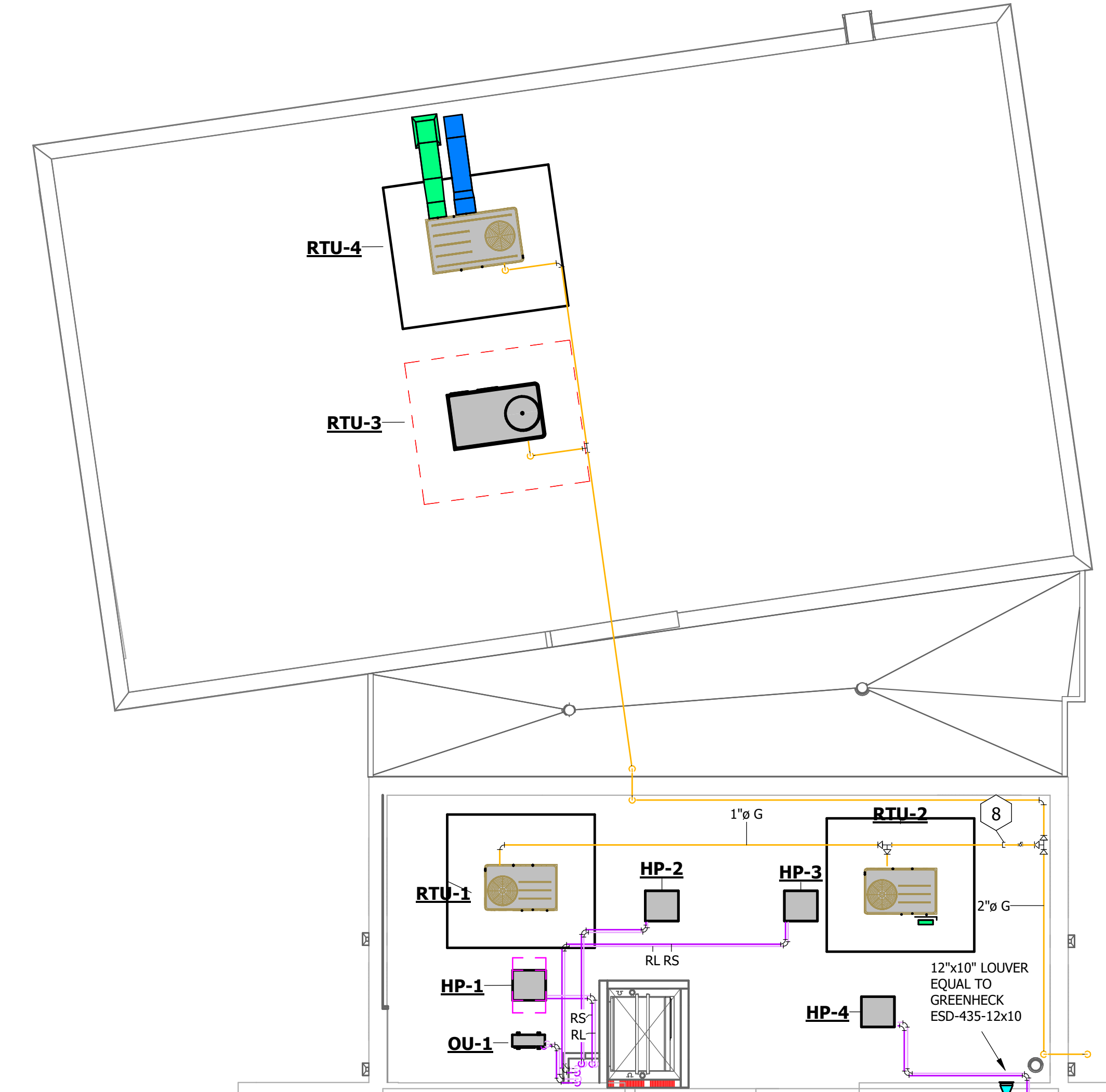
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**1 BASEMENT HVAC PLAN VIEW**  
1/8" = 1'-0"



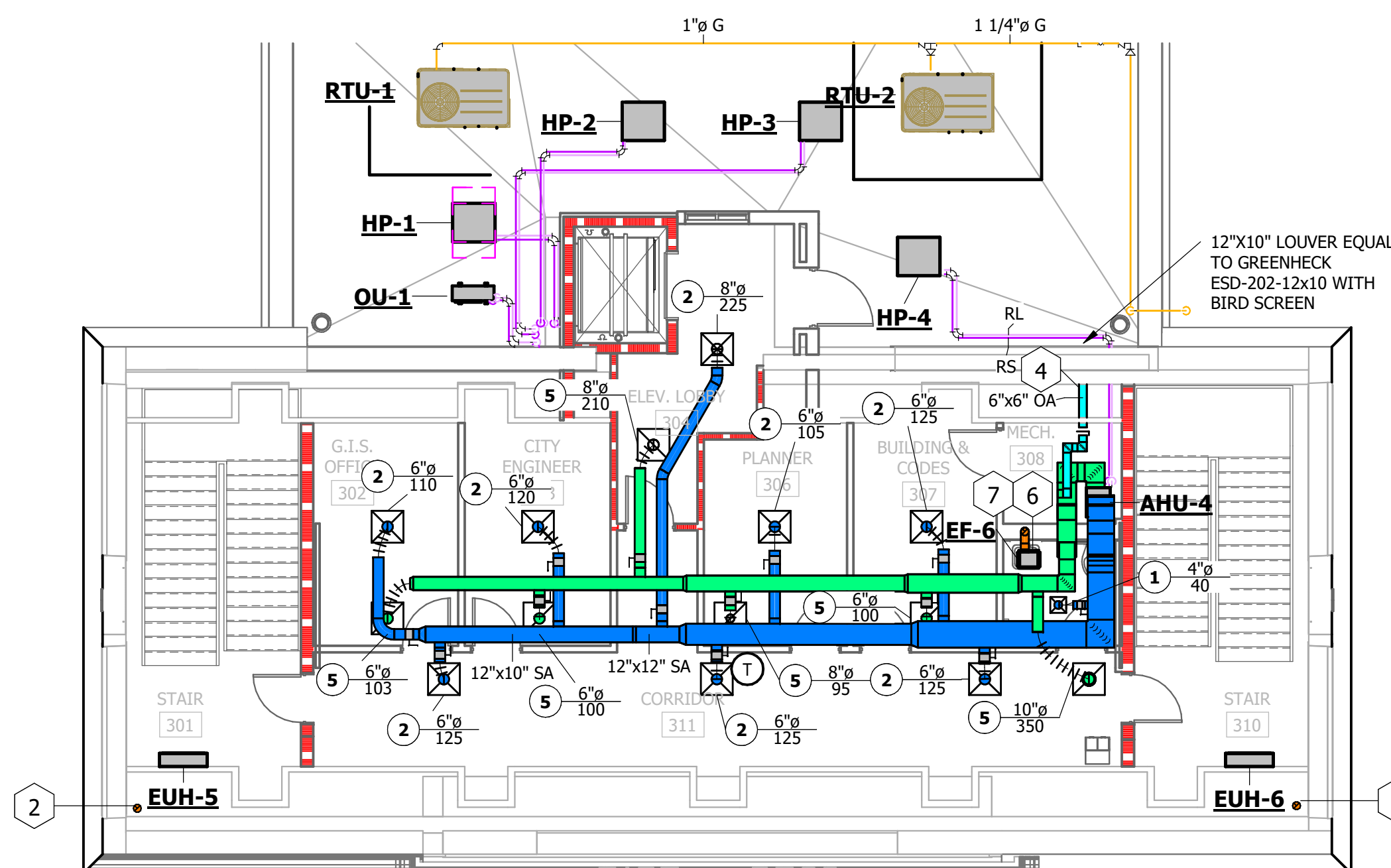
**6 FIRE STATION HVAC PLAN VIEW**  
1/8" = 1'-0"



**4 PARTIAL ROOF HVAC PLAN**  
1/8" = 1'-0"

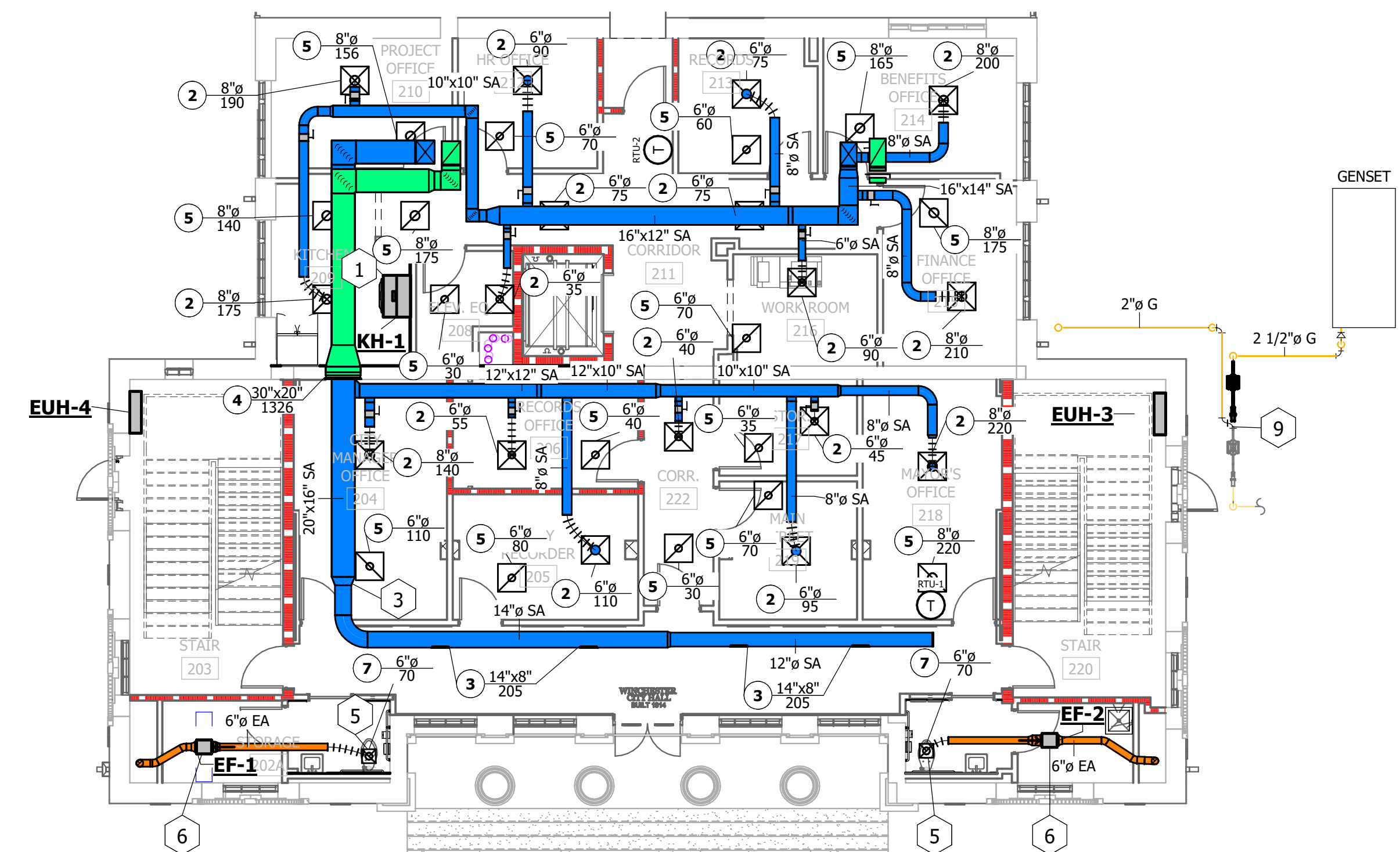
#### KEYNOTE LEGEND

- PROVIDE 30" VENTLESS RESIDENTIAL HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM AND ELECTRICAL DISCONNECT. EQUAL TO GREENHECK GRRS-W-30-F-E-D-X. INSTALL PER MANUFACTURER GUIDELINES.
- INSTALL ROOF JACK IN SHINGLED ROOF.
- TRANSITION TO ROUND DOUBLE WALL SPIRAL DUCT.
- TRANSITION TO LOUVER IN WALL.
- FOR DIFFUSER INSTALLED IN HARD CEILING AND BALANCING DAMPER CANNOT BE INSTALLED OVER A LAY-IN CEILING, PROVIDE AN ACCESS PANEL EQUAL TO CASTWORKS CRFG ACCESS PANEL AND INSTALL BALANCING DAMPER WITHIN REACH OF ACCESS PANEL OPENING.
- FOR EXHAUST FAN INSTALLED ABOVE HARD CEILING AND FAN CANNOT BE INSTALLED OVER A LAY-IN CEILING, PROVIDE ACCESS PANEL EQUAL TO CASTWORKS CRFG ACCESS PANEL SIZED LARGE ENOUGH TO REMOVE FAN FOR MAINTENANCE, AND INSTALL FAN WITHIN REACH OF ACCESS PANEL OPENING.
- ROUTE 6" DUCT UP TO ROOF AND INSTALL ROOF JACK IN SHINGLED ROOF.
- FOR PHASE 1, PIPE RUNOUT SHALL BE CAPPED UNTIL PHASE 2 CONSTRUCTION. DURING PHASE 2 CONSTRUCTION, PIPING FOR ROOFTOP UNITS HERE SHALL BE INSTALLED AND CONNECTED.
- THERE ARE TWO METERS IN WHICH ONE SERVES BOTH THE FIRE STATION AND CITY HALL. THERE IS A 1" LINE FROM THE SECOND METER THAT SERVES A GAS FURNACE THAT NEEDS TO REMAIN DURING PHASE 1 CONSTRUCTION. EXISTING 2" SUPPLY LINE INTO CITY HALL TO REMAIN DURING PHASE 1 CONSTRUCTION AND DEMOLISHED IN PHASE 2. NEW 2" LINE FROM EXISTING METER TO BE RUN AS SHOWN DURING PHASE 1.



**3 SECOND FLOOR HVAC PLAN VIEW**  
1/8" = 1'-0"

| FIRE RATING LEGEND                                                                                                                                                                                                                                                                                                    |     |                 |         |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------|---------|------------------------|
| COLOR                                                                                                                                                                                                                                                                                                                 |     | WALL TYPE       | PATTERN | FIRE RESISTANCE RATING |
| EXISTING                                                                                                                                                                                                                                                                                                              | NEW |                 |         |                        |
|                                                                                                                                                                                                                                                                                                                       |     | FIRE PARTITION  |         | 30 MIN.                |
|                                                                                                                                                                                                                                                                                                                       |     | FIRE BARRIER    |         | 1 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |     | FIRE WALL       |         | 2 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |     |                 |         | 3 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |     |                 |         | 4 HOUR                 |
| FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND. WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT. |     |                 |         |                        |
| SMOKE RATING LEGEND                                                                                                                                                                                                                                                                                                   |     |                 |         |                        |
| EXISTING                                                                                                                                                                                                                                                                                                              | NEW | WALL TYPE       |         |                        |
|                                                                                                                                                                                                                                                                                                                       |     | SMOKE PARTITION |         |                        |
|                                                                                                                                                                                                                                                                                                                       |     | SMOKE BARRIER   |         |                        |



**2 GROUND FLOOR HVAC PLAN VIEW**  
1/8" = 1'-0"

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
|-----|----------------------|------|
|     |                      |      |
|     |                      |      |
|     |                      |      |
|     |                      |      |

HVAC PLAN VIEWS

JOB NO: 63492

DATE: 01.07.2026

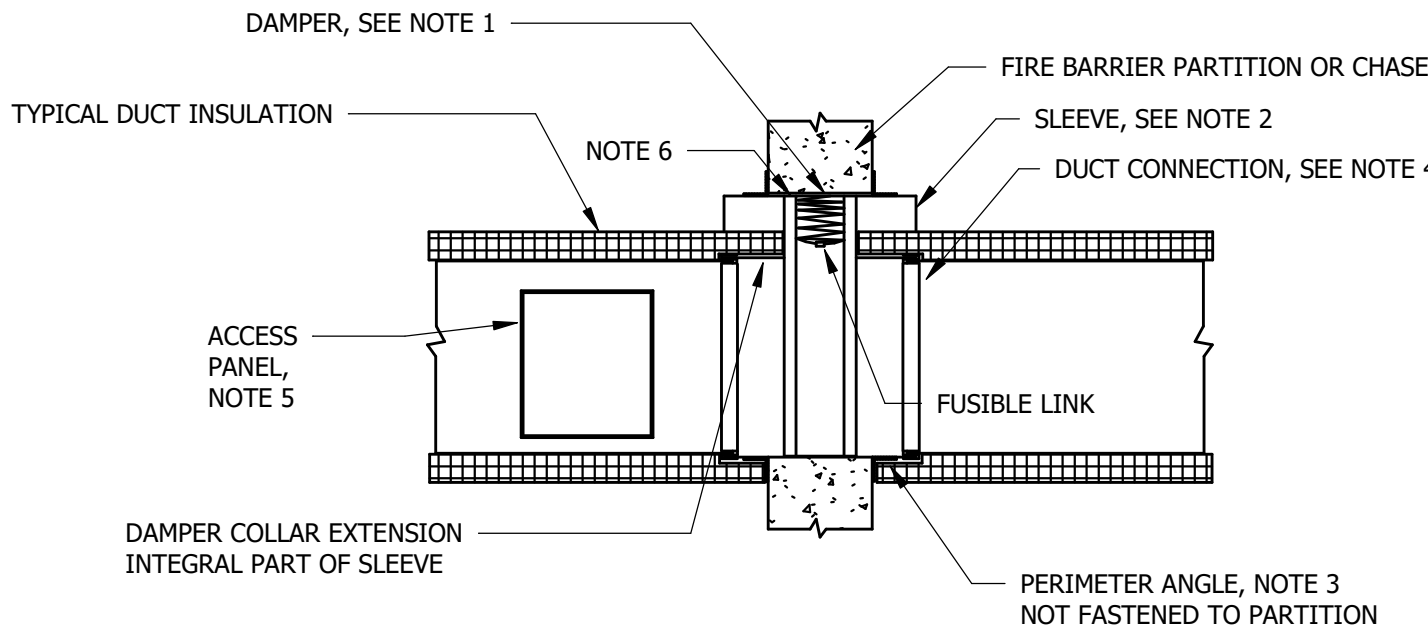
DRAWN: CSS

CONSTRUCTION DOCUMENTS

M1.1

| DIMENSIONS |                  |
|------------|------------------|
| UNIT TYPE  | "A"              |
| DRAW THRU  | X/2)+1" (2" MIN) |
| BLOW THRU  | X+1" (2" MIN)    |

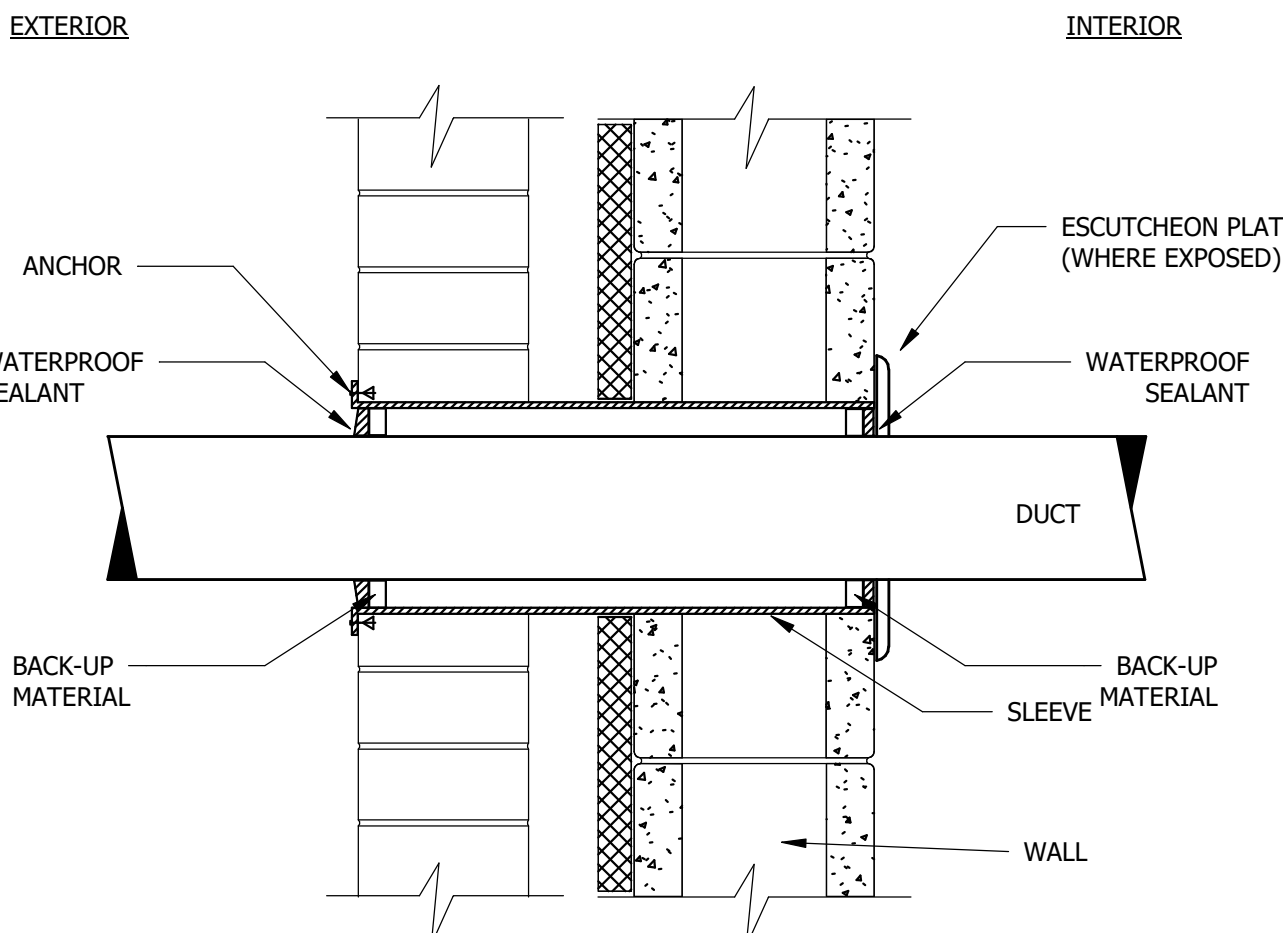
- REMARKS:
- X = STATIC PRESSURE AT FAN INLET (ABSOLUTE VALUE) OF UNIT TO WHICH TRAP IS ATTACHED.
  - D = DIAMETER



- NOTES:**
- A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAUGES FOR SLEEVE AND PERIMETER ANGLES.
  - FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR, NOT OUTSIDE THE PENETRATION. GALVANIZED STEEL, NOT LESS THAN THE CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
  - PERIMETER ANGLES: GALVANIZED STEEL, NOT LESS THAN 1-1/2" x 1-1/2", 14 GAUGE TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL FOUR SIDES.
  - BREAKAWAY DUCT CONNECTION: CONTRACTORS' OPTION OF TYPES SHOWN IN SMACNA LPDS, FIG. 2-13. SEAL JOINTS.
  - ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK(S). PROVIDE CLEARANCE ON HEIGHT AND WIDTH PER MFR'S INSTRUCTIONS.
  - ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THROUGH ATTIC FLOORS AND MECHANICAL ROOM FLOORS, SHALL BE PROVIDED WITH A 3" HIGH CONCRETE CURB AROUND OPENING FOR DUCT.
  - PROVIDE U.L. LISTED FIRE DAMPERS AND INSTALL IN ACCORDANCE WITH SMACNA AND U.L. 555 REQUIREMENTS.

## 2 FIRE DAMPER DETAIL

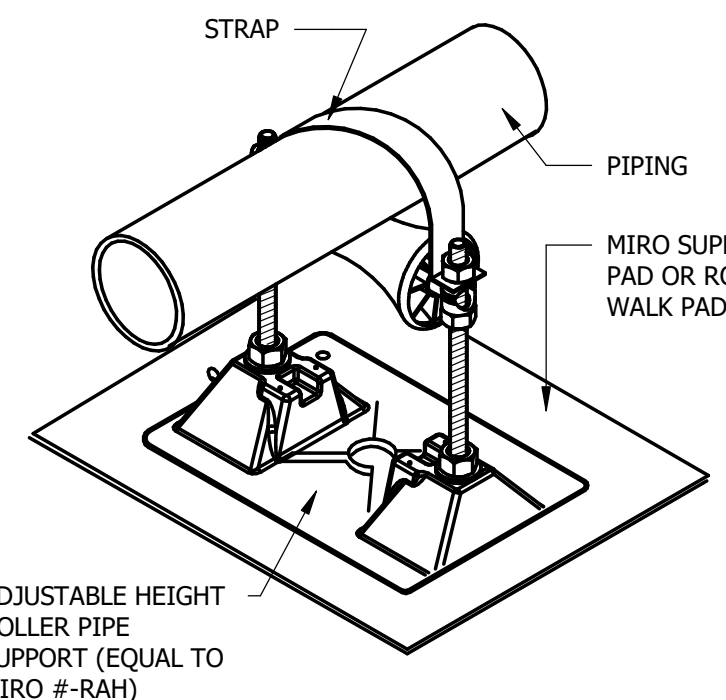
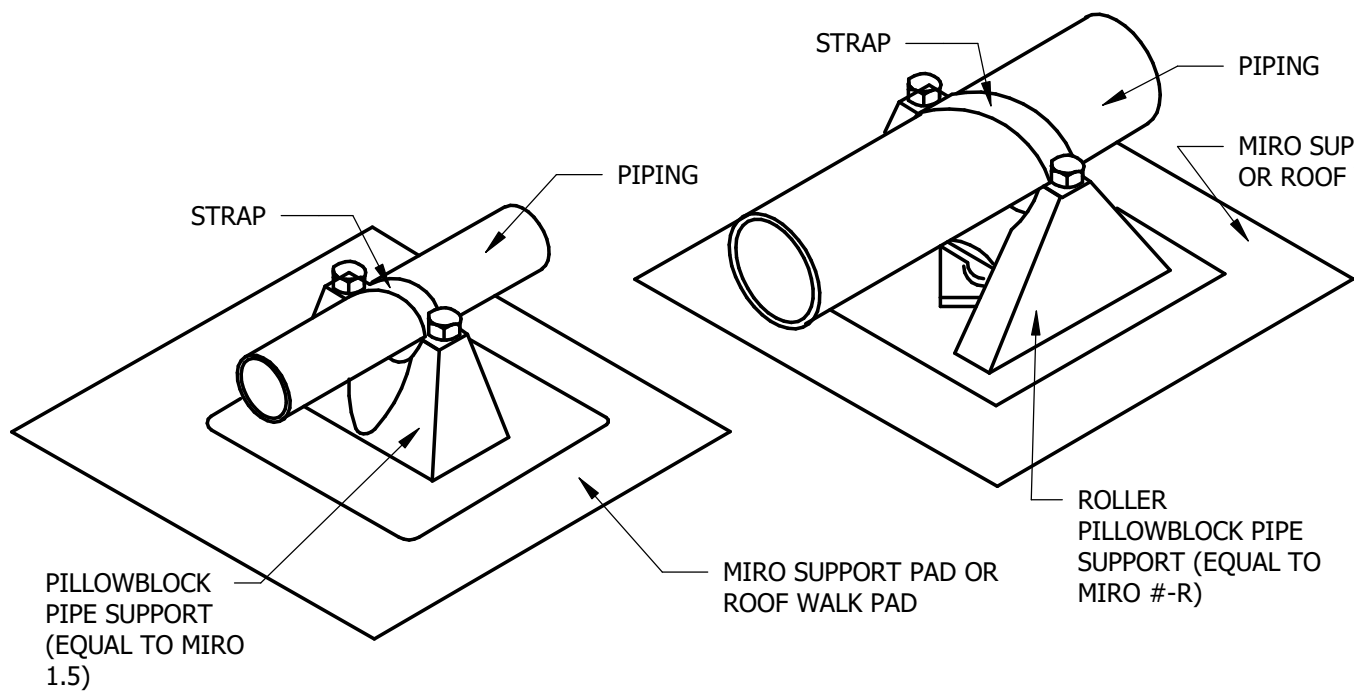
NTS



- NOTES**
- DUCT PENETRATION WILL VARY WITH OTHER WALL TYPES BUT WILL BE SIMILAR TO ABOVE.

## 4 DUCT PENETRATION THRU WALL DETAIL

NTS



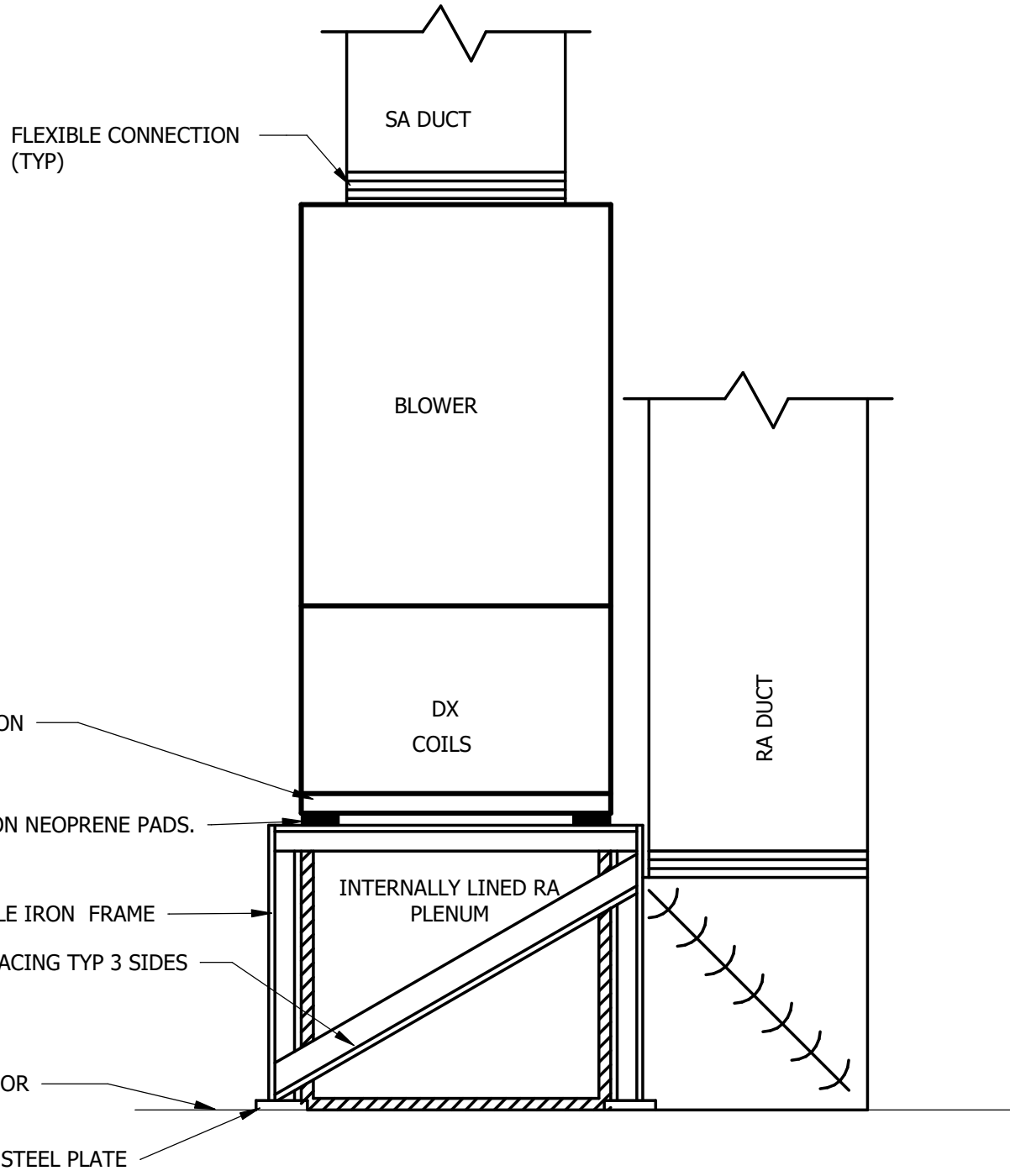
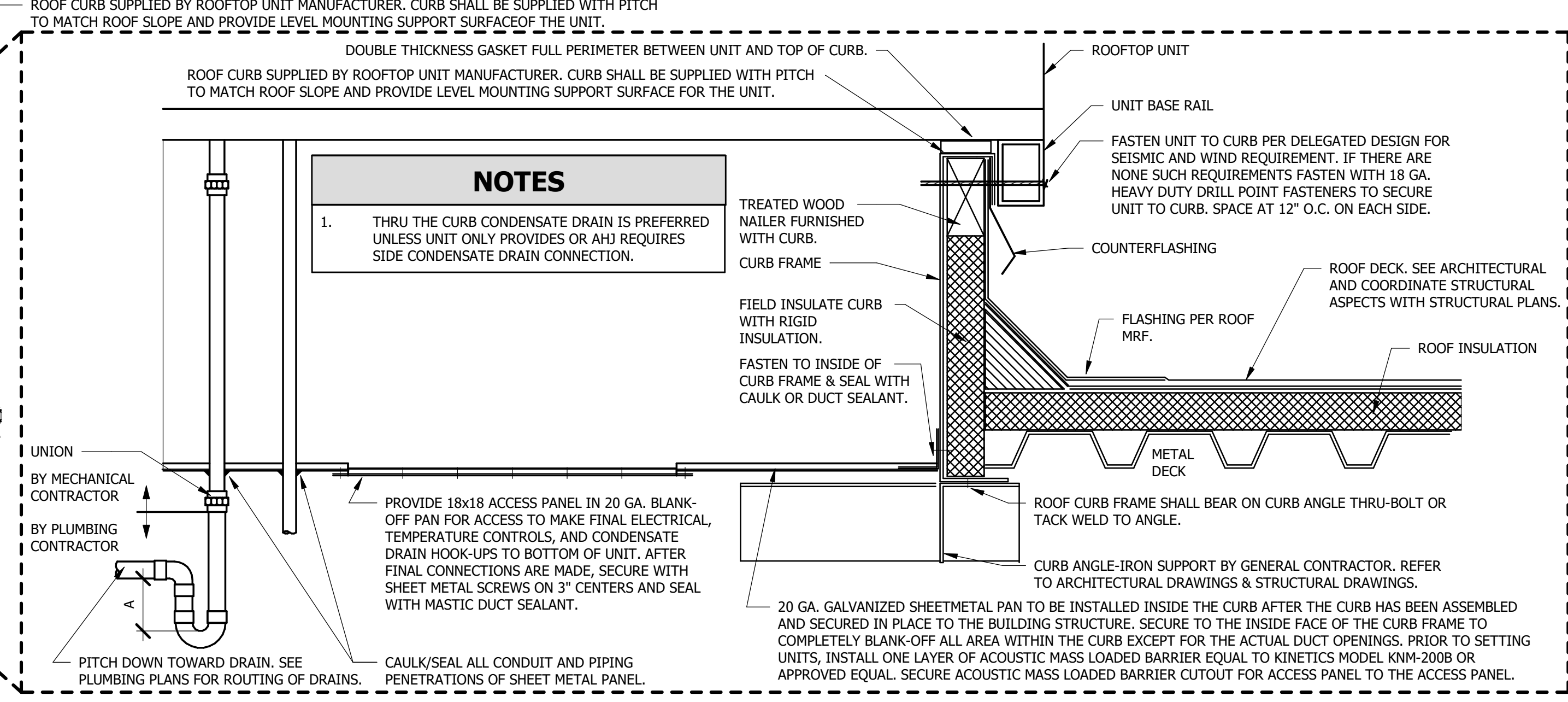
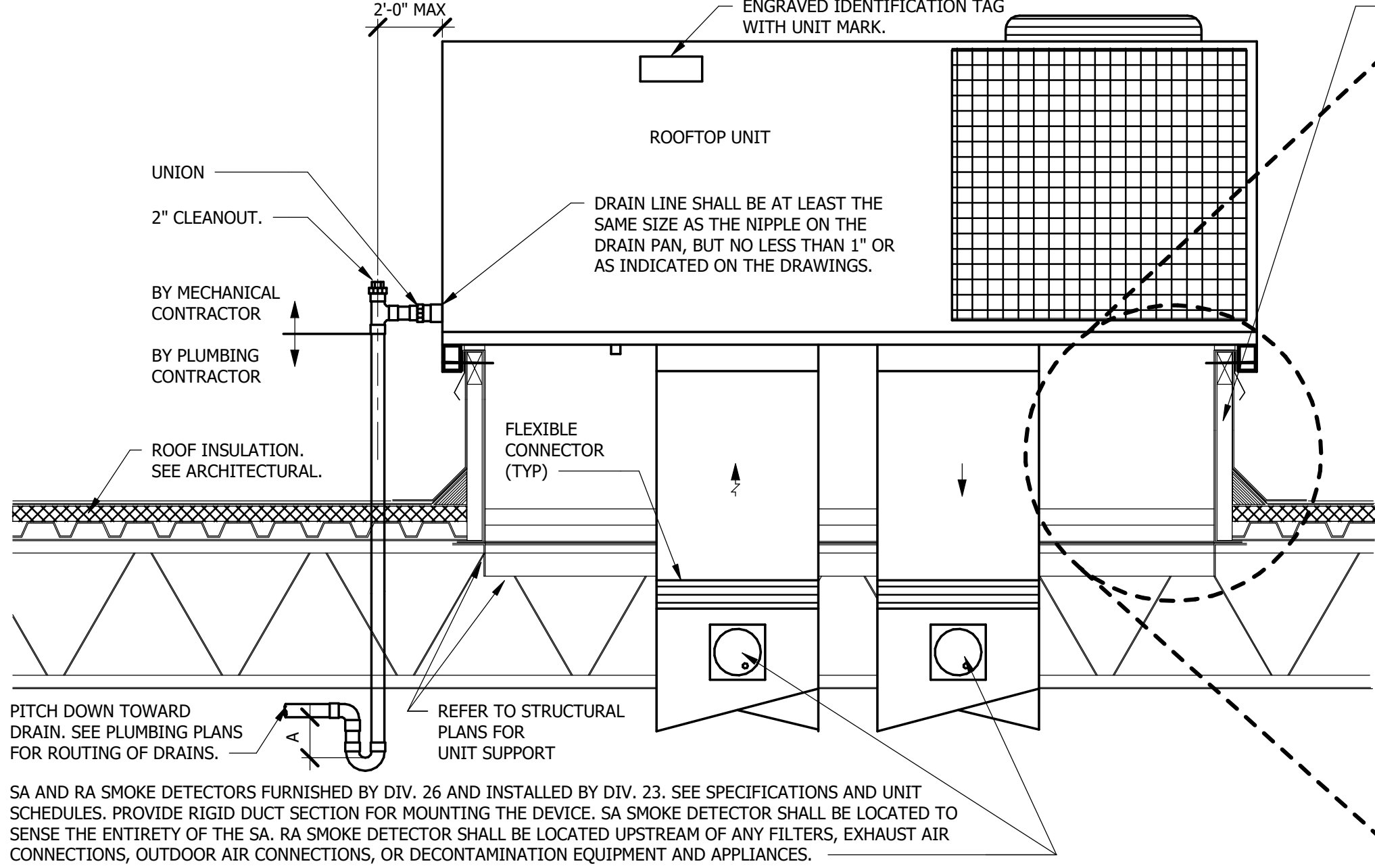
## 8 GAS PIPE ROOF SUPPORT DETAIL

NTS

| NOTES                                                                                                                                                                                                  |              |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| 1. PIPING SHALL BE SUPPORTED WITHIN 12" OF ALL ELBOWS AND TEES AND AT SPACING SPECIFIED IN THE TABLE BELOW.                                                                                            |              |              |
| 2. PIPE SUPPORTS SHALL BE EQUAL TO MIRO IND. MODEL 1.5 (UP TO 1-1/2" PIPE), 3-R (UP TO 3" PIPE), 4-R OR 4-RAH (FOR 4" PIPE), AND 5-R, 5-RAH OR 6-RAH (5" TO 6" PIPE). AH STANDS FOR ADJUSTABLE HEIGHT. |              |              |
| PIPE SIZE                                                                                                                                                                                              | MODEL NO.    | MAX. SPACING |
| 3/4"                                                                                                                                                                                                   | 1.5          | 7'           |
| 1"                                                                                                                                                                                                     | 1.5          | 7'           |
| 1-1/4"                                                                                                                                                                                                 | 1.5          | 7'           |
| 1-1/2"                                                                                                                                                                                                 | 1.5          | 7'           |
| 2"                                                                                                                                                                                                     | 3-R OR 3-RAH | 7'           |
| 2-1/2"                                                                                                                                                                                                 | 3-R OR 3-RAH | 7'           |
| 3"                                                                                                                                                                                                     | 3-R OR 3-RAH | 7'           |
| 4"                                                                                                                                                                                                     | 4-R OR 4-RAH | 7'           |
| 5"                                                                                                                                                                                                     | 5-R OR 5-RAH | 7'           |
| 6"                                                                                                                                                                                                     | 6-RAH        | 7'           |

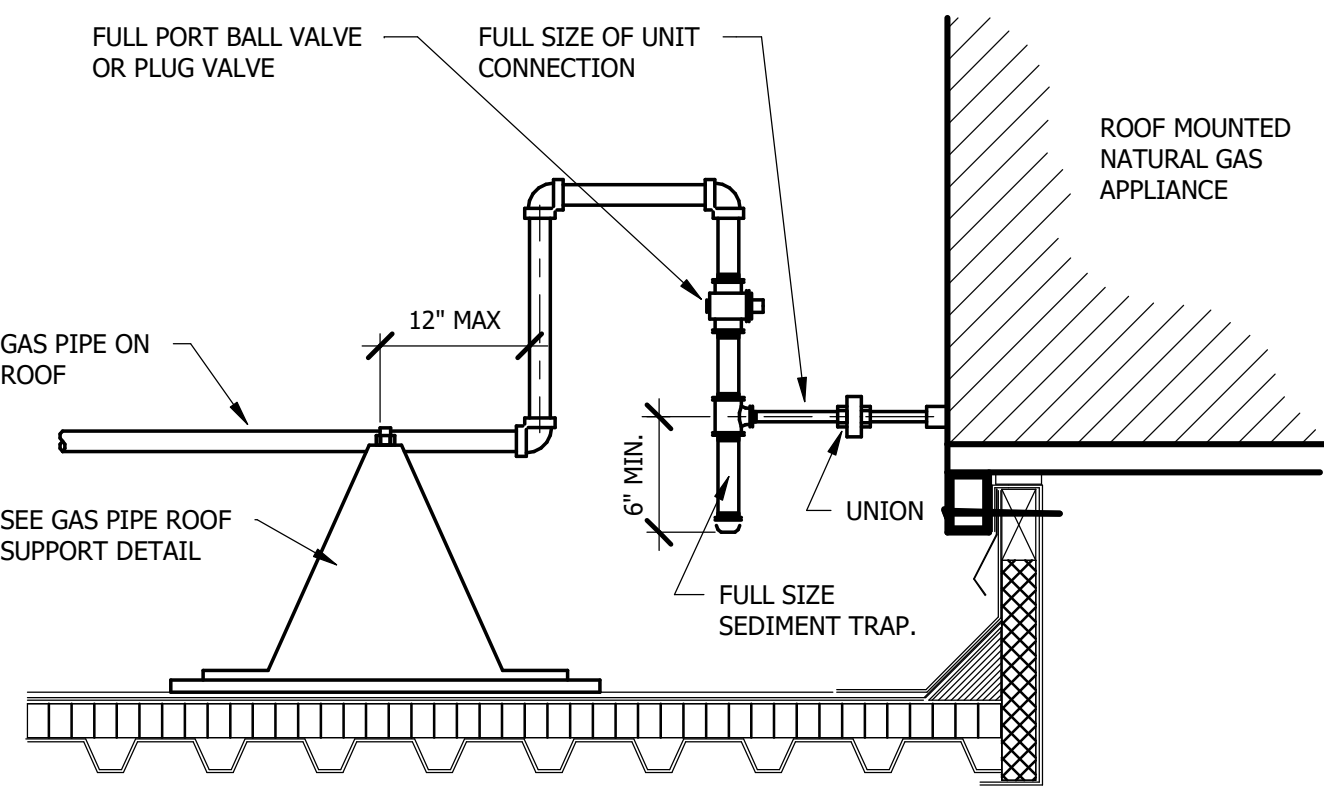
## 1 RTU DETAIL

NTS



## 6 VERTICAL AHU DETAIL

NTS



## 7 RTU ON-ROOF GAS CONNECTION DETAIL

NTS



**Allen&Hoshall**  
engineers • architects • surveyors

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
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DETAILS

JOB NO: 63492 DRAWN: CSS  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

M5.1



**Allen&Hoshall**  
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### HP INDOOR AIR HANDLER SCHEDULE

| MARK  | SERVICE        | OUTDOOR UNIT | MIN. EER or SEER | AIRFLOW (CFM) |         | SUPPLY FAN |               | LINESET  |        | REFRIG. TYPE | DX COIL |                     |                     |                  |          |          | ELEC HEAT |          | FILTER      |        |      |      | ELECTRICAL |         |           |     | BASIS OF DESIGN |       |         |                        |       |         |              |             |
|-------|----------------|--------------|------------------|---------------|---------|------------|---------------|----------|--------|--------------|---------|---------------------|---------------------|------------------|----------|----------|-----------|----------|-------------|--------|------|------|------------|---------|-----------|-----|-----------------|-------|---------|------------------------|-------|---------|--------------|-------------|
|       |                |              |                  | SUPPLY        | OUTSIDE | TYPE       | ESP (IN. W.G) | HP       | LENGTH |              | ELBOWS  | COOLING             |                     |                  |          | EAT (°F) | KW        | LAT (°F) | DEPTH (IN.) | TYPE   | MERV | QTY. | VOLTAGE    | PHASE   | MCA       | MOP | MFR.            | MODEL | REMARKS |                        |       |         |              |             |
|       |                |              |                  |               |         |            |               |          |        |              |         | ENT. AIR TEMP. (°F) | LVG. AIR TEMP. (°F) | CAPACITY (BTU/H) |          |          |           |          |             |        |      |      |            |         |           |     |                 |       |         | HEATING                |       |         |              |             |
|       |                |              |                  |               |         |            |               |          |        |              |         |                     |                     | CORRECTED        |          |          |           |          |             |        |      |      |            |         |           |     |                 |       |         | TOTAL CAPACITY (BTU/H) |       |         |              |             |
|       |                |              |                  |               |         |            |               |          |        |              |         |                     |                     | NOMINAL          | SENSIBLE |          |           |          |             |        |      |      |            |         |           |     |                 |       |         | TOTAL                  | TOTAL | NOMINAL | CORRECTED    | LAT (°F)    |
| AHU-1 | CONFERENCE 104 | HP-1         | 14               | 525           | 150     | DIRECT     | 0.13          | 42" - 0" | 8      | R-454B       | 80.0    | 67.0                | 57.7                | 56.4             | 18,000   | 12,438   | 17,223    | 60.0     | 18,000      | 11,088 | 79.6 | 3.6  | 101.1      | 0" - 1" | THROWAWAY | 8   | 1               | 208   | 1       | 25.0                   | 25.0  | TRANE   | STAM5801AC21 | 1,2,3,4,5,6 |
| AHU-2 | CONFERENCE 107 | HP-2         | 14               | 700           | 158     | DIRECT     | 0.13          | 51" - 0" | 6      | R-454B       | 80.0    | 66.0                | 57.8                | 56.2             | 24,000   | 16,554   | 20,893    | 60.0     | 22,000      | 14,038 | 78.6 | 3.6  | 94.7       | 0" - 1" | THROWAWAY | 8   | 1               | 208   | 1       | 25.0                   | 25.0  | TRANE   | STAM5801AC21 | 1,2,3,4,5,6 |
| AHU-3 | BASEMENT       | HP-3         | 14               | 790           | 135     | DIRECT     | 0.13          | 61" - 0" | 5      | R-454B       | 78.9    | 65.2                | 57.0                | 55.4             | 24,000   | 18,464   | 22,779    | 61.1     | 22,000      | 14,132 | 77.7 | 5.77 | 98.7       | 0" - 1" | THROWAWAY | 8   | 1               | 208   | 1       | 39.0                   | 40.0  | TRANE   | STAM5801AC21 | 1,2,6       |
| AHU-4 | SECOND FLOOR   | HP-4         | 14               | 1,100         | 125     | DIRECT     | 0.13          | 24" - 0" | 5      | R-454B       | 77.6    | 64.3                | 55.8                | 54.3             | 36,000   | 25,656   | 31,783    | 64.1     | 31,200      | 21,123 | 81.9 | 5.77 | 98.2       | 0" - 1" | THROWAWAY | 8   | 1               | 208   | 1       | 39.0                   | 40.0  | TRANE   | STAM5C03AC21 | 1,2,6       |

#### REMARKS:

- PROVIDE UNIT EQUAL TO MFR AND MODEL SCHEDULED.
- PROVIDE DISCONNECT AND COORDINATE WITH DIV.26.
- PROVIDE EASY DRY LIQUID REHEAT DEHUMIDIFICATION SYSTEM, SEPERATE HOT GAS LINE IS NOT ACCEPTABLE.
- REHEAT COIL SHALL OPERATE WHEN TEMPERATURE IS SATISFIED AND HUMIDITY IS ABOVE SETPOINT.
- UTILIZE 3-WAY HEAT RECLAIM VALVE AND CONDENSER HEAD PRESSURE CONTROL TO MAINTAIN STEADY REHEAT COIL OPERATION.
- PROVIDE WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT.

### ROOFTOP UNIT SCHEDULE

| MARK  | SERVICE              | REFRIGERANT<br>UNIT TYPE | UNIT<br>DIS. | MIN.<br>EER | AIRFLOW (CFM) |         | FAN    |                     | DX COOLING COIL |        |         |                     |      |                           | HOT GAS REHEAT |                           |        | GAS HEATING |                     |         |             | FILTER      |          |                  | ELECTRICAL |                |      | BASIS OF DESIGN  |      |         |       |            |             |       |             |           |         |
|-------|----------------------|--------------------------|--------------|-------------|---------------|---------|--------|---------------------|-----------------|--------|---------|---------------------|------|---------------------------|----------------|---------------------------|--------|-------------|---------------------|---------|-------------|-------------|----------|------------------|------------|----------------|------|------------------|------|---------|-------|------------|-------------|-------|-------------|-----------|---------|
|       |                      |                          |              |             | SUPPLY        | OUTSIDE | TYPE   | ESP<br>(IN.<br>W.G) | HP              | SENS.  | TOTAL   | CAPACITY<br>(BTU/H) |      | ENT. AIR<br>TEMP.<br>(°F) |                | LVG. AIR<br>TEMP.<br>(°F) |        | TYPE        | CAPACITY<br>(BTU/H) | LAT(°F) | EAT<br>(°F) | LAT<br>(°F) | GAS TYPE | CAPACITY (BTU/H) |            | DEPTH<br>(IN.) | TYPE | RATING<br>(MERV) | QTY. | VOLTAGE | PHASE | MCA<br>(A) | MOP<br>(A)  | MFR.  | MODEL       | EQUIPMENT | REMARKS |
|       |                      |                          |              |             |               |         |        |                     |                 |        |         | DB                  | WB   | DB                        | WB             | DB                        | WB     |             |                     |         |             |             |          | INPUT            | OUTPUT     |                |      |                  |      |         |       |            |             |       |             |           |         |
|       |                      |                          |              |             |               |         |        |                     |                 |        |         |                     |      |                           |                |                           |        |             |                     |         |             |             |          |                  |            |                |      |                  |      |         |       |            |             |       |             |           |         |
| RTU-1 | GROUND FLOOR         | R-454B                   | DOWNFLOW     | 11          | 1,505         | 179     | DIRECT | 0.99                | 1.00            | 36,750 | 46,830  | 77.7                | 64.3 | 56.9                      | 54.4           |                           |        |             |                     |         |             |             |          |                  |            |                |      |                  |      |         |       |            |             |       |             |           |         |
| RTU-2 | GROUND FLOOR         | R-454B                   | DOWNFLOW     | 11          | 1,215         | 219     | DIRECT | 0.97                | 3.00            | 31,520 | 46,090  | 79.2                | 65.5 | 53.6                      | 52.1           |                           |        |             |                     |         |             |             |          |                  |            |                |      |                  |      |         |       |            |             |       |             |           |         |
| RTU-3 | COURT/COUNCIL ROOM   | R-454B                   | DOWNFLOW     | 11          | 3,400         | 617     | DIRECT | 1.45                | 3.00            | 92,820 | 120,090 | 79.0                | 65.3 | 55.7                      | 54.1           | MODULATING                | 69,570 | 73.0        | 60.9                | 93.4    | NATURAL     | 150,000     | 121,500  | 2                | THROWAWAY  | 8              | 4    | 208              | 3    | 57.0    | 80    | TRANE      | YSK120A350L | 1,191 | 1,2,3,4,6,7 |           |         |
| RTU-4 | FIRE STATION OFFICES | R-454B                   | HORIZONTAL   | 11          | 1,988         | 240     | DIRECT | 1.39                | 1.50            | 49,210 | 59,310  | 77.8                | 64.4 | 56.9                      | 55.1           |                           |        |             |                     |         |             |             |          |                  |            |                |      |                  |      |         |       |            |             |       |             |           |         |

#### REMARKS:

- PROVIDE UNIT EQUAL TO MFR AND MODEL LISTED WITH HINGED ACCESS PANELS, HAIL GUARDS, ENTHALPY ECONOMIZER, POWER EXHAUST.
- PROVIDE WALL MOUNTED CO2 SENSOR AND DEMAND CONTROL VENTILATION.
- PROVIDE CONVENIENCE OUTLET AND WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT.
- PER IMC EXCEPTION A UNIT SERVING A SINGLE SPACE IS NOT REQUIRED TO HAVE SMOKE DETECTOR IN RETURN.
- PROVIDE 14" FULL PERIMETER KNOCKDOWN CURB.
- COORDINATE DISCONNECT WITH DIV.26.
- PROVIDE CONDENSATE OVERFLOW SWITCH.

### AIR DEVICE SCHEDULE

| MARK | SYSTEM TYPE | FACE SIZE | NECK SIZE | NOISE CRITERIA | MFR.      | MODEL   | QUANTITY | REMARKS   |
|------|-------------|-----------|-----------|----------------|-----------|---------|----------|-----------|
| 1    | Supply Air  | 12" x 12" | 4"ø       | 25             | GREENHECK | CDP     | 2        | 1,2,3,4   |
| 1    | Supply Air  | 12" x 12" | 5"ø       | 25             | GREENHECK | CDP     | 4        | 1,2,3,4   |
| 1    | Supply Air  | 12" x 12" | 6"ø       | 25             | GREENHECK | CDP     | 1        | 1,2,3,4   |
| 1    | Supply Air  | 12" x 12" | 7"ø       | 25             | GREENHECK | CDP     | 1        | 1,2,3,4   |
| 2    | Supply Air  | 24" x 24" | 6"ø       | 25             | GREENHECK | CDP     | 25       | 1,2,3,4   |
| 2    | Supply Air  | 24" x 24" | 8"ø       | 25             | GREENHECK | CDP     | 16       | 1,2,3,4   |
| 2    | Supply Air  | 24" x 24" | 10"ø      | 25             | GREENHECK | CDP     | 7        | 1,2,3,4   |
| 3    | Supply Air  |           | 6"x4"     | 25             | GREENHECK | SG42    | 1        | 1,2,3,4,5 |
| 3    | Supply Air  |           | 12"x6"    |                | GREENHECK | SD42    | 2        | 1,2,3,4,5 |
| 3    | Supply Air  |           | 14"x6"    |                | GREENHECK | SD42    | 3        | 1,2,3,4,5 |
| 3    | Supply Air  |           | 14"x8"    | 25             | GREENHECK | SD42    | 4        | 1,2,3,4,5 |
| 4    | Return Air  |           | 18"x18"   | 25             | GREENHECK | RG41    | 1        | 1,2,3,4,7 |
| 4    | Return Air  |           | 24"x12"   | 30             | GREENHECK | RG41    | 1        | 1,2,3,4,7 |
| 4    | Return Air  |           | 24"x30"   | 28             | GREENHECK | RG41    | 1        | 1,2,3,4,7 |
| 4    | Return Air  |           | 30"x20"   | 25             | GREENHECK | RG41    | 1        | 1,2,3,4,7 |
| 4    | Return Air  |           | 36"x32"   | 30             | GREENHECK | RG41    | 1        | 1,2,3,4,7 |
| 5    | Return Air  | 24" x 24" | 6"ø       | 25             | GREENHECK | RGCC-45 | 17       | 1,2,3,4,8 |
| 5    | Return Air  | 24" x 24" | 8"ø       | 25             | GREENHECK | RGCC-45 | 13       | 1,2,3,4,8 |
| 5    | Return Air  | 24" x 24" | 10"ø      | 25             | GREENHECK | RGCC-45 | 2        | 1,2,3,4,8 |
| 5    | Return Air  | 24" x 24" | 12"ø      | 25             | GREENHECK | RGCC-45 | 2        | 1,2,3,4,8 |
| 6    | Return Air  | 12" x 12" | 6"ø       | 25             | GREENHECK | RGCC-45 | 3        | 1,2,3,4,8 |
| 7    | Exhaust Air | 12" x 12" | 6"ø       | 25             | GREENHECK | RGCC-45 | 6        | 1,2,3,4,9 |

#### REMARKS:

- PROVIDE AIR DEVICES EQUAL TO MFR. AND MODEL SCHEDULED.
- QUANTITIES LISTED FOR REFERENCE PURPOSES ONLY. CONTRACTOR TO CONFIRM PER PLANS
- COORDINATE EXACT LOCATIONS AND FRAME STYLE WITH ARCHITECTURAL RCP
- PROVIDE SQUARE PLAQUE DIFFUSER, STEEL CONSTRUCTION, WHITE FINISH AND INSULATED BACKPAN.
- PROVIDE SPIRAL DUCT DOUBLE DEFLECTION GRILLED, WHITE FINISH, ALUMINUM CONSTRUCTION, AND ALUMINUM OPPOSED BLADE DAMPER
- PROVIDE DOUBLE DEFLECTION SIDEWALL GRILLE, ALUMINUM CONSTRUCTION, AND WHITE FINISH.
- PROVIDE SINGLE DEFLECTION RETURN GRILLE, 40° ANGLE, STEEL CONSTRUCTION, AND WHITE FINISH.
- PROVIDE CUBED CORE SQUARE RETURN GRILLE, 45° ANGLE, ALUMINUM CONSTRUCTION AND WHITE FINISH.
- PROVIDE CUBED CORE SQUARE RETURN GRILLE, 45° ANGLE, ALUMINUM CONSTRUCTION AND FINISH TO BE PICKED OUT BY ARCHITECT.

### ELECTRIC UNIT HEATER SCHEDULE

| MARK  | SERVICE   | AIRFLOW SUPPLY | ELECTRIC HEATING |                | ELECTRICAL |       | MOUNTING | BASIS OF DESIGN |          | REMARKS |
|-------|-----------|----------------|------------------|----------------|------------|-------|----------|-----------------|----------|---------|
|       |           |                | KW               | TOTAL CAPACITY | VOLTAGE    | PHASE | HEIGHT   | MFR.            | MODEL    |         |
| EUH-1 | STAIR 101 | 100            | 3                | 10,376         | 208        | 1     | 1' - 6"  | BERKO           | FRC4024F | 1       |
| EUH-2 | STAIR 110 | 100            | 3                | 10,376         | 208        | 1     | 1' - 6"  | BERKO           | FRC4024F | 1       |
| EUH-3 | STAIR 220 | 100            | 3                | 10,376         | 208        | 1     | 1' - 6"  | BERKO           | FRC4024F | 1       |
| EUH-4 | STAIR 203 | 100            | 3                | 10,376         | 208        | 1     | 1' - 6"  | BERKO           | FRC4024F | 1       |
| EUH-5 | STAIR 301 | 100            | 3                | 10,376         | 208        | 1     | 1' - 6"  | BERKO           | FRC4024F | 1       |
| EUH-6 | STAIR 310 | 100            | 3                | 10,376         | 208        | 1     | 1' - 6"  | BERKO           | FRC4024F | 1       |

#### REMARKS:

- PROVIDE ELECTRIC UNIT HEATER EQUAL TO MFR. AND MODEL SCHEDULED WITH BUILT IN THERMOSTAT.
- PROVIDE SURFACE MOUNTING FRAME

### MINI SPLIT INDOOR UNIT SCHEDULE

| MARK                | SERVICE          | OUTDOOR UNIT | AIRFLOW (CFM) |         | DX COIL |      |         |           | ELECTRICAL DATA |       | BASIS OF DESIGN |                  |               |         |           |
|---------------------|------------------|--------------|---------------|---------|---------|------|---------|-----------|-----------------|-------|-----------------|------------------|---------------|---------|-----------|
|                     |                  |              | SUPPLY        | OUTSIDE | DB      | WB   | NOMINAL | CORRECTED | VOLTAGE         | PHASE | MFR.            | MODEL            | EQUIPMENT     | REMARKS |           |
|                     |                  |              |               |         |         |      |         |           |                 |       |                 |                  |               |         |           |
|                     |                  |              |               |         |         |      |         |           |                 |       |                 |                  |               |         |           |
|                     |                  |              |               |         |         |      |         |           |                 |       |                 |                  |               |         |           |
| ENT. AIR TEMP. (°F) | CAPACITY (BTU/H) |              |               |         |         |      |         |           |                 |       |                 |                  | WEIGHT (LBS.) |         |           |
|                     |                  |              |               |         |         |      |         |           |                 |       |                 |                  |               |         |           |
| OU-1                |                  |              |               |         |         |      |         |           |                 |       |                 |                  |               |         |           |
| IU-1                | SERVER ROOM      | OU-1         | 400           | 0       | 75.0    | 62.3 | 12,000  | 9,398     | 11,420          | 208   | 1               | MITSUBISHI TRANE | MSY-GX12NL    | 23      | 1,2,3,4,5 |

#### REMARKS:

- UNIT SHALL BE EQUAL TO UNIT SCHEDULED OR APPROVED EQUAL.
- PROVIDE WIRED THERMOSTAT.
- DISCONNECT BY DIV. 26. COORDINATE WITH ELECTRICAL.
- COORDINATE CONDENSATE PUMP WITH PLUMBING.
- POWER INDOOR UNIT FROM OUTDOOR UNIT.

### WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

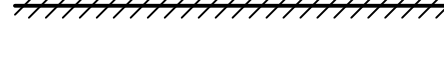
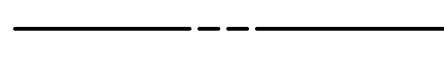
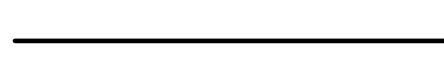
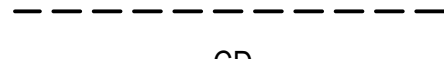
CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
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### SCHEDULES

JOB NO: 63492 DRAWN: CSS  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

M6.1

| LEGEND                                                                            |                              |                             |
|-----------------------------------------------------------------------------------|------------------------------|-----------------------------|
| SYMBOL                                                                            | DESCRIPTION                  | ABBREVIATIONS               |
|  | PIPING, ETC., TO BE REMOVED  | A.F.F. ABOVE FINISHED FLOOR |
|  | COLD WATER (CW)              | AB. ABOVE                   |
|  | HOT WATER (HW)               | ARCH. ARCHITECTURAL         |
|  | HOT WATER RETURN (HWR)       | BEL. BELOW                  |
|  | SANITARY WASTE (SW)          | C'TOP. COUNTERTOP           |
|  | SANITARY VENT (SV)           | CLG. CEILING                |
|  | CONDENSATE DRAIN (CD)        | CONN. CONNECT(ION)          |
|                                                                                   |                              | CO. CLEANOUT                |
|                                                                                   |                              | DN. DOWN                    |
|                                                                                   |                              | DWG. DRAWING                |
|  | CONNECT TO EXIST. PIPING     | ELEV. ELEVATION             |
|  | CUT-OFF VALVE                | ELECT. ELECTRICAL           |
|  | CAP                          | F.F. FINISHED FLOOR         |
|                                                                                   |                              | FCO. FLOOR CLEANOUT         |
|                                                                                   |                              | HORIZ. HORIZONTAL           |
|                                                                                   |                              | MECH. MECHANICAL            |
|                                                                                   |                              | OPNG. OPENING               |
|                                                                                   | KEY NOTE NUMBER              | REQD. REQUIRED              |
|                                                                                   |                              | STRUCT. STRUCTURAL          |
|                                                                                   | PLUMBING FIXTURE DESIGNATION | ST. STL. STAINLESS STEEL    |
|                                                                                   |                              | TYP. TYPICAL                |
|                                                                                   |                              | V.B. VACUUM BREAKER         |
|                                                                                   |                              | WCO. WALL CLEANOUT          |
|                                                                                   |                              | W.H.A. WATER HAMMER         |
|                                                                                   |                              | ARRESTER                    |

- GENERAL NOTES:
- DRAWINGS SHOW ONLY THE KNOWN SERVICES IN THE VICINITY OF THE PROJECT AREA.
  - CONTRACTOR SHALL VISIT THE PROJECT SITE AND FIELD VERIFY LOCATIONS, ELEVATIONS AND SIZES OF ALL EXISTING SERVICES PRIOR TO STARTING CONSTRUCTION.
  - CONTRACTOR SHALL REMOVE, REWORK AND/OR REROUTE EXISTING SERVICES AS REQUIRED TO ACCOMPLISH THE WORK REQUIRED BY THIS CONTRACT.
  - CONTRACTOR SHALL COORDINATE THE DISRUPTION OF ANY SERVICE WITH THE LOCAL OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO SAID DISRUPTION TO MINIMIZE ANY INCONVENIENCE TO THE OWNER/USER.
  - EXISTING SERVICES, EQUIPMENT, AND FIXTURES TO REMAIN OR TO BE RELOCATED SHALL BE REPAIRED TO ORIGINAL OPERATION OR REPLACED SHOULD THEY BE DAMAGED DURING CONSTRUCTION.
  - ALL EXISTING WORK NOT SHOWN ON THESE DRAWINGS SHALL REMAIN AS IS UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL COORDINATE EQUIPMENT CONNECTIONS WITH EQUIPMENT DRAWINGS AND SUPPLIER. CONTRACTOR SHALL INSTALL EQUIPMENT AND MAKE FINAL CONNECTIONS FURNISHING CUTOFF VALVES, P-TRAPS, PRESSURE REDUCING VALVES, AND PIPING AS REQUIRED.
  - CONTRACTOR SHALL FURNISH AND INSTALL SHOCK ABSORBERS ON PIPING SERVING FLUSH VALVE FIXTURES AND/OR QUICK CLOSING VALVES (SOLENOID OPERATED, ETC.) IN ACCORDANCE WITH "PLUMBING AND DRAINAGE INSTITUTE" (PDI-WH-201) GUIDELINES.
  - CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES INVOLVED TO AVOID ANY PIPE ROUTING PROBLEMS. IN THE EVENT CONFLICTS ARE ENCOUNTERED WHICH CANNOT BE RESOLVED BY THE TRADES INVOLVED, THE ARCHITECT SHALL BE CONSULTED AND HIS DECISION SHALL GOVERN.
  - ALL VENTS SHALL BE A MINIMUM OF 15'-0" AWAY FROM ALL FRESH AIR INTAKES FOR AIR HANDLING UNITS.
  - WHERE VENTS AND WASTE STACKS LESS THAN THREE INCHES (3") ARE PROHIBITED FROM ROUTING THROUGH THE ROOF, PROVIDE INCREASERS IN PIPE BELOW ROOF SLAB.
  - FURNISH AND INSTALL DEEP SEAL P-TRAPS ON FLOOR DRAINS NOT FED BY AN AUTOMATIC TRAP PRIMER SYSTEM.
  - ALL FIXTURES, EQUIPMENT AND PIPING SHOWN ON THESE DRAWINGS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
  - PENETRATIONS THROUGH NEW WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED AS DIRECTED BY THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
  - PENETRATIONS THROUGH EXISTING WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED TO MATCH ORIGINAL. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
  - ALL WORK SHOWN IS PART OF BASE BID EXCEPT WHERE OTHERWISE DESIGNATED.
  - SEISMICALLY BRACE ALL PIPE AS REQUIRED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL PROVIDE SEISMIC BRACING DESIGNED BY A QUALIFIED ENGINEER LICENSED IN THE PROJECT JURISDICTION.

- DEMOLITION NOTES:
- DRAWINGS SHOW ONLY THE KNOWN EXISTING SERVICES.
  - CONTRACTOR IS ADVISED THAT LOCATIONS SHOWN FOR EXISTING PLUMBING SERVICES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS, MATERIALS, AND SIZES OF PLUMBING SERVICES IMMEDIATELY UPON NOTICE TO PRECEDE. CONTRACTOR SHALL BRING DISCREPANCIES BETWEEN THE NEW CONSTRUCTION DRAWINGS AND THE EXISTING CONDITIONS TO THE ENGINEER'S ATTENTION FOR COORDINATION PRIOR TO CONSTRUCTION.
  - EXISTING SERVICES THAT ARE NOT SHOWN BUT ARE DISCOVERED DURING DEMOLITION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR FOR PROPER COORDINATION. CONTRACTOR SHALL REMOVE, REWORK AND/ OR REROUTE THE EXISTING UTILITIES AS DIRECTED BY THE ENGINEER.
  - CONTRACTOR SHALL COORDINATE ANY DISRUPTION OF PLUMBING SERVICE TO ADJACENT AREAS WITH THE LOCAL OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS IN ADVANCE OF SAID DISRUPTION.
  - CONTRACTOR SHALL REMOVE EXISTING PLUMBING SERVICES TO FIXTURES AND EQUIPMENT TO BE REMOVED AS SHOWN ON DRAWINGS OR AS REQUIRED. CONTRACTOR SHALL CAP EXISTING SERVICES NEXT TO SERVICE MAINS IN CEILINGS, WALLS, OR BELOW FLOOR UNLESS OTHERWISE NOTED. EXISTING FIXTURES TO REMAIN IN AREA OF NEW CONSTRUCTION SHALL BE REWORKED AS REQUIRED TO PROVIDE CORRECT OPERATION.
  - CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF EQUIPMENT AND/ OR PLUMBING FIXTURES THAT ARE TO BE REMOVED TO THE LOCAL OWNER'S REPRESENTATIVE. ALL ITEMS THAT THE LOCAL OWNER'S REPRESENTATIVE WISHES TO RETAIN SHALL BE PLACED IN STORAGE AND THE REMAINDER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
  - EXISTING SERVICES, EQUIPMENT, AND FIXTURES, TO REMAIN OR TO BE RELOCATED SHALL BE REPAIRED TO ORIGINAL OPERATION OR REPLACED SHOULD THEY BE DAMAGED DURING CONSTRUCTION.
  - EXISTING WALL AND FLOOR PENETRATIONS FORMERLY OCCUPIED BY PIPING SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
  - EXISTING PIPING THAT HAS BEEN PREVIOUSLY ABANDONED IN PLACE AND THAT IS NO LONGER IN SERVICE SHALL BE REMOVED AND CAPPED AS CLOSE TO MAIN AS POSSIBLE. EXISTING PIPING THAT IS NO LONGER CONNECTED TO MAINS SHALL ALSO BE REMOVED.

- FIRE PROTECTION NOTES:
- INSTALL A NEW 100% HYDRAULICALLY CALCULATED AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA, SERVING THE ENTIRE AREA OF THE PROJECT CONSTRUCTION.
  - CONTRACTOR SHALL USE THE FOLLOWING NFPA-13 OCCUPANCY CLASSIFICATIONS IN THE DESIGN OF AND CALCULATIONS FOR THE NEW AUTOMATIC SPRINKLER SYSTEM: CORRIDORS, OFFICES, BREAKROOMS, ETC.
  - LIGHT HAZARD STORAGE ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.: ORDINARY HAZARD GROUP 1  
ALL SYSTEMS SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF NFPA, THESE DOCUMENTS, FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION, AND THE OWNER'S INSURANCE UNDERWRITER. NO PART OR SECTION OF NFPA (ALL CHAPTERS) SHALL BE VIOLATED. WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE LESS STRINGENT THAN THE REQUIREMENTS OF THE INSURANCE UNDERWRITER, THE UNDERWRITER'S REQUIREMENTS SHALL TAKE PRECEDENCE.
  - THE AUTOMATIC SPRINKLER SYSTEM SHALL BE ZONED AS SHOWN ON THE DRAWINGS.
  - THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, LOCAL WATER UTILITY, AND/OR THE LOCAL FIRE DEPARTMENT FOR THE PERFORMANCE OF A FLOW TEST IN ACCORDANCE WITH NFPA-13 REQUIREMENTS. FLOW TEST SHALL BE CONDUCTED USING TWO FIRE HYDRANTS, THE FIRST FOR THE PRESSURE READINGS WHILE THE SECOND IS FLOWING. SUBMIT THE FLOW TEST RESULTS AS PART OF THE SPRINKLER SHOP DRAWINGS.
  - CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES INVOLVED PRIOR TO FABRICATION OR INSTALLATION TO AVOID ANY PIPE ROUTING PROBLEMS.
  - PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED AS DIRECTED BY THE SPECIFICATIONS. SEE ARCHITECTURAL (A-SERIES) DRAWINGS FOR FINAL FINISHES.
  - ALL AS HEADS SHOWN IN SPACES WITHOUT CEILINGS SHALL BE INSTALLED WITHIN 12-INCHES OF STRUCTURE AND IN ACCORDANCE WITH NFPA-13. ADDITIONAL HEADS MAYBE REQUIRED AND SHALL BE PROVIDED AROUND OBSTRUCTIONS. SUBMIT COMPLETE SPRINKLER SHOP DRAWINGS THAT HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION ALONG WITH HYDRAULIC CALCULATION AND MATERIAL MANUFACTURER'S CUT SHEETS THROUGH THE ARCHITECT FOR REVIEW. THESE ARE PERFORMANCE SPECIFICATIONS AND THE DESIGN AND INSTALLATION OF THE AUTOMATIC SPRINKLER SYSTEM SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION SYSTEMS CONTRACTOR WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE WITH PROJECTS OF THIS SIZE. THE CONTRACTOR SHALL RECEIVE THE RETURNED SHOP DRAWINGS WITH THE ENGINEER'S SHOP DRAWINGS REVIEW STAMP INDICATING "REVIEWED" PRIOR TO BEGINNING WORK.

| FIXTURE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                 |    |      |      |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|----|------|------|
| FIXTURE          | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TRAP SIZE | MIN. SIZE CONN. |    |      |      |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | SW              | SV | CW   | HW   |
| P-1              | WATER CLOSET (STANDARD):<br>WHITE VITREOUS CHINA, FLOOR MOUNTED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 1.28 GPF, FLUSH VALVE OPERATED, ZURN Z5665-BWL1. SEAT TO BE OPEN FRONT, WHITE PLASTIC W/ CHECK HINGE, BENEKE #523. FLUSH VALVE SHALL BE BATTERY POWERED AND SENSOR OPERATED, 1.28 GPF, ZURN ZER6000AV-CPM-HET. PROVIDE WITH TRAP PRIMER OPTION WHEN SERVING A FLOOR DRAIN TRAP PRIMER LINE. COORDINATE WITH DRAWINGS.                                                                                                                                                                                                                                | INTEGRAL  | 4"              | 2" | 1"   | --   |
| P-1A             | WATER CLOSET (ADA COMPLIANT):<br>WHITE VITREOUS CHINA, FLOOR MOUNTED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 1.28 GPF, FLUSH VALVE OPERATED, ZURN Z5665-BWL1. SEAT TO BE OPEN FRONT, WHITE PLASTIC W/ CHECK HINGE, BENEKE #523. FLUSH VALVE SHALL BE BATTERY POWERED AND SENSOR OPERATED, 1.28 GPF, ZURN ZER6000AV-CPM-HET. PROVIDE WITH TRAP PRIMER OPTION WHEN SERVING A FLOOR DRAIN TRAP PRIMER LINE. COORDINATE WITH DRAWINGS.                                                                                                                                                                                                                           | INTEGRAL  | 4"              | 2" | 1"   | --   |
| P-2              | URINAL (ADA COMPLIANT):<br>WHITE VITREOUS CHINA, WALL MOUNTED, WASHOUT ACTION, 3/4" TOP SPUD, 0.125 GPF, FLUSH VALVE OPERATED, ZURN 5755-U. FLUSH VALVE SHALL BE BATTERY POWERED AND SENSOR OPERATED, 0.125 GPF, ZURN ZER6003AV-CPM-ULF. PROVIDE CONCEALED FLOOR MOUNTED CARRIER SUPPORT. SEE ARCHITECTURAL SECTION FOR MOUNTING HEIGHTS.                                                                                                                                                                                                                                                                                                                 | INTEGRAL  | 2"              | 2" | 3/4" | --   |
| P-3              | LAVATORY (ADA COMPLIANT):<br>UNDERMOUNT, 17-1/8" x 13-3/8", VITREOUS CHINA KOHLER K-8189. BATTERY POWERED SENSOR OPERATED FAUCET, 0.5 GPM, 10 SECOND RUN TIME, CHICAGO VANDAL-PROOF, SINGLE HOLE DECK MOUNT, CHICAGO MODEL E80-A11A-11ABCF. PROVIDE CHROME PLATED BRASS FLAT GRID STRAINER, 17 GA. OFFSET TAILPIECE AND 1-1/4" P-TRAP (SLIP JOINT) PROVIDE CHROME PLATED COPPER 3/8" SUPPLY TUBES AND 1/4 TURN LOOSE KEY BALL STOPS. PROVIDE AND INSTALL AN ASSE 1070 COMPLIANT POWERS LFG480 LAVATORY TEMPERING VALVE THAT CAN OPERATE DOWN TO 0.25 GPM. COVER ALL BELOW LAVATORY TRIM NOT CONCEALED BY MILWORK WITH INSULATION KIT, LAVGUARD BY TRUBRO. | 1-1/4"    | 2"              | 2" | 1/2" | 1/2" |
| P-4              | LAVATORY (ADA COMPLIANT):<br>EXISTING WALL MOUNTED LAVATORY AND FAUCETS TO BE REMOVED AND REINSTALLED. CONTRACTOR SHALL PROVIDE NEW CHROME PLATED BRASS FLAT GRID STRAINER, 17 GA. OFFSET TAILPIECE AND 1-1/4" P-TRAP (SLIP JOINT) PROVIDE CHROME PLATED COPPER 3/8" SUPPLY TUBES AND 1/4 TURN LOOSE KEY BALL STOPS. PROVIDE AND INSTALL AN ASSE 1070 COMPLIANT POWERS LFG480 LAVATORY TEMPERING VALVE THAT CAN OPERATE DOWN TO 0.25 GPM. COVER ALL BELOW LAVATORY TRIM NOT CONCEALED BY MILWORK WITH INSULATION KIT, LAVGUARD BY TRUBRO.                                                                                                                 | 1-1/4"    | 2"              | 2" | 1/2" | 1/2" |
| P-5              | SINK:<br>DOUBLE COMPARTMENT SINK: DROP-IN, STAINLESS STEEL, 18 GA. THREE HOLE FAUCET PUNCHINGS, JUST DL-ADA-1829-A-GR. FAUCET TO BE SINGLE LEVER OPERATED, SWING SPOUT, CHROME PLATED, 1.8 GPM, DELTA 100LF-WF. PROVIDE J-35 REMOVABLE STRAINER BASKET, TAILPIECE, 17 GAUGE P-TRAP, AND CHROME PLATED COPPER SUPPLIES WITH 1/4 TURN LOOSE KEY BALL STOPS PROVIDE INSINKERATOR EVOLUTION COMPACT 3/4" HP DISPOSAL WITH WALL SWITCH OPERATION.                                                                                                                                                                                                              | 1-1/4"    | 2"              | 2" | 1/2" | 1/2" |
| P-6              | SINK:<br>SINGLE COMPARTMENT SINK: DROP-IN, STAINLESS STEEL, 18 GA. THREE HOLE FAUCET PUNCHINGS, ELKAY MODEL LRAD191955. FAUCET TO BE GOOSENECK SPOUT WITH WRIST BLADE HANDLES, CHROME PLATED, 1.8 GPM, CHICAGO MODEL 896-ET2-317ABCF. PROVIDE J-35 REMOVABLE STRAINER BASKET, TAILPIECE, 17 GAUGE P-TRAP, AND CHROME PLATED COPPER SUPPLIES WITH 1/4 TURN LOOSE KEY BALL STOPS                                                                                                                                                                                                                                                                            | 1-1/4"    | 2"              | 2" | 1/2" | 1/2" |
| P-7              | MOP BASIN:<br>STRUCTURAL FIBERGLASS, 24"x24"x10", 3" CAST BRASS CHROME-PLATED STRAINER, MUSTEE MODEL 63M. PROVIDE STAINLESS STEEL WALL GUARDS AND FLANGES WHERE SINK IS POSITIONED AGAINST WALL. PROVIDE FAUCET WITH LEVER HANDLES, VACUUM BREAKER, PAIL HOOK AND WALL BRACE, CHICAGO FAUCET 897-RCF. FURNISH AND INSTALL REQUIRED 3" P-TRAP.                                                                                                                                                                                                                                                                                                             | 3"        | 3"              | 2" | 1/2" | 1/2" |
| TP-1             | TRAP PRIMER:<br>PRECISION PLUMBING PRODUCTS MODEL P2-500 WITH DU-U DISTRIBUTION UNIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | --        | --              | -- | 1/2" | --   |
| TP-2             | ELECTRONIC TRAP PRIMER:<br>PRECISION PLUMBING PRODUCTS MODEL MP-500-115V WITH DU-U DISTRIBUTION UNIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | --        | --              | -- | 1/2" | --   |
| CM-1             | COUNTERTOP COFFEE MAKER CONNECTION:<br>PROVIDE AND INSTALL A SIOUX CHIEF 696 RECESSED WALL BOX ABOVE THE COUNTERTOP BEHIND THE COFFEE MAKER THAT IS EQUIPPED WITH A 1/4" VALVED COMPRESSION OUTLET AND VALVE WITH ARRESTOR. PROVIDE A 2' COIL OF TYPE "K" COPPER BEHIND THE COFFEE MAKER AND INSTALL A ZURN/WILKINS 700 DUAL CHECK. REDUCE THE LINE SIZE TO THE COFFEE MAKER CONNECTION SIZE AND MAKE THE FINAL CONNECTION TO THE COFFEE MAKER IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.                                                                                                                                                         | --        | --              | -- | 1/2" | --   |
| RIM-1            | ICE MAKER CONNECTION (REFRIGERATOR):<br>GUY GREY MODEL BIM875 ICE MAKER BOX OR APPROVED EQUAL. PROVIDE SHOCK ARRESTOR ON SERVICE LINE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | --        | --              | -- | 1/2" | --   |

NOTE: MANUFACTURERS AND MODEL NUMBERS LISTED ARE BASIS OF DESIGN. APPROVED EQUALS ARE ACCEPTABLE

| DRAIN AND CLEANOUT SCHEDULE |                                                                                                                                                                                                                                                          |              |                 |    |    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|----|----|
| FIXTURE                     | DESCRIPTION                                                                                                                                                                                                                                              | TRAP SIZE    | MIN. SIZE CONN. |    |    |
|                             |                                                                                                                                                                                                                                                          |              | SW              | SV |    |
| FD-1                        | FLOOR DRAIN (GENERAL):<br>CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENINGS, ADJUSTABLE 6" SQUARE POLISHED NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION, ZURN Z415S OR APPROVED EQUAL.                                     | AS INDICATED |                 | -- |    |
| FD-2                        | FLOOR DRAIN (GENERAL):<br>CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENINGS, ADJUSTABLE 7" DIAMETER POLISHED NICKEL BRONZE STRAINER WITH OPEN WATERWAY THROUGH FUNNEL, TRAP PRIMER CONNECTION, ZURN Z415E OR APPROVED EQUAL. | AS INDICATED |                 | -- |    |
| FCO                         | FLOOR CLEANOUT:<br>CAST IRON CLEANOUT W/ THREADED, ADJUSTABLE HOUSING, FLANGED FERRULE W/ TAPERED BRASS PLUG, ROUND SECURED NICKEL BRONZE SCORRIATED TOP, ZURN Z-1400 SERIES OR APPROVED EQUAL.                                                          | --           | --              | -- | -- |
| RD-1                        | ROOF DRAIN:<br>18" DIAMETER HIGH EFFICIENT FLOW ROOF DRAIN WITH 3" OUTLET, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GAURD AND LOW SILHOUETTE POLY-DOME. ZURN Z100F OR APPROVED EQUAL.                                  | --           | --              | -- | -- |

NOTE: MANUFACTURERS AND MODEL NUMBERS LISTED ARE BASIS OF DESIGN. APPROVED EQUALS ARE ACCEPTABLE

| SPRINKLER HEAD LEGEND                                                               |               |        |                                                                       |     |       |
|-------------------------------------------------------------------------------------|---------------|--------|-----------------------------------------------------------------------|-----|-------|
| SYMBOL                                                                              | MODEL         | TEMP.  | DESCRIPTION                                                           | K   | CONN. |
|  | VIKING VK3021 | 155° F | STANDARD COVERAGE, QUICK RESP., CONCEALED WHITE PENDENT               | 5.6 | 1/2"  |
|  | VIKING VK300  | 155° F | STANDARD COVERAGE, QUICK RESP., BRASS UPRIGHT                         | 5.6 | 1/2"  |
|  | VIKING VK300  | 155° F | STANDARD COVERAGE, QUICK RESP., BRASS SIDEWALL                        | 5.6 | 1/2"  |
|  | VIKING VK300  | 155° F | STANDARD COVERAGE, QUICK RESP., CONCEALED CUSTOM PENDENT <sup>2</sup> | 5.6 | 1/2"  |

- NOTE:
- TEMPERATURE RATING IS MINIMUM RECOMMENDED. INSTALL HEADS WITH HIGHER RATINGS IN ACCORDANCE WITH NFPA-13 REQUIREMENTS WHERE HEADS ARE IN HIGH TEMPERATURE AREAS OR IN PROXIMITY OF HEAT SOURCES INCLUDING DIFFUSERS AND UNIT HEATERS.
  - CUSTOM COVER PLATE COLOR/PATTERN TO BE COORDINATED WITH ARCHITECT. CONTRACTOR SHALL ORDER CUSTOMIZED COVER PLATE TO ARCHITECT'S SPECIFICATIONS.

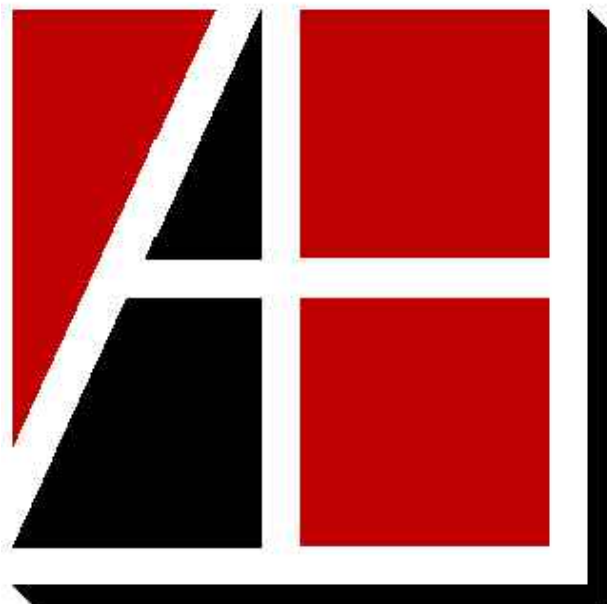
| WATER HEATER SCHEDULE - ELECTRIC |              |                            |                  |                |                   |                    |
|----------------------------------|--------------|----------------------------|------------------|----------------|-------------------|--------------------|
| MARK                             | LOCATION     | ELECTRICAL CHARACTERISTICS | TEMPERATURE RISE | RECOVERY (GPH) | STORAGE (GALLONS) | MODEL EQUAL TO     |
| WH-1                             | PER DRAWINGS | 6 KW / 208V / 1Ø / 60Hz.   | 80°              | 30             | 52                | A. O. SMITH DEN-52 |
| WH-2                             | PER DRAWINGS | 6 KW / 208V / 1Ø / 60Hz.   | 80°              | 30             | 52                | A. O. SMITH DEN-52 |

1. REFER TO DETAIL ON DETAIL SHEET FOR FURTHER INFORMATION.  
2. MANUFACTURERS AND MODEL NUMBERS LISTED ARE BASIS OF DESIGN. APPROVED EQUALS ARE ACCEPTABLE

| FLOW TEST DATA  |           |
|-----------------|-----------|
| DATE:           | 6/13/25   |
| STATIC:         | 68 PSIG   |
| RESIDUAL:       | 32 PSIG   |
| FLOW:           | 949 GPM   |
| TEST ELEVATION: | APPX. 970 |
| PROVIDED BY:    | CORY HALL |

| FP BACKFLOW PREVENTER SCHEDULE |                 |              |      |              |              |
|--------------------------------|-----------------|--------------|------|--------------|--------------|
| MARK                           | SYSTEM          | TYPE DEVICE  | SIZE | MANUFACTURER | MODEL        |
| BFP-2                          | FIRE PROTECTION | DOUBLE CHECK | 4"   | WATTS        | DERRINGER 30 |

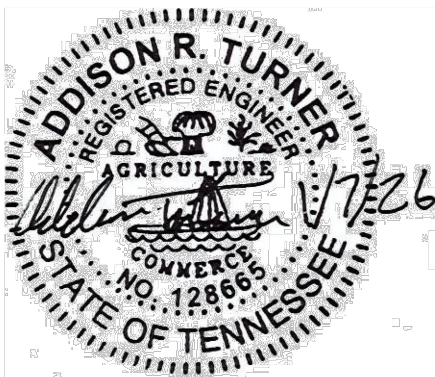
NOTE: 1. PROVIDE LISTED MANUFACTURER OR APPROVED EQUAL.



**Allen&Hoshall**  
engineers • architects • surveyors

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901 820 0820 fax 866 270 6330

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## WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

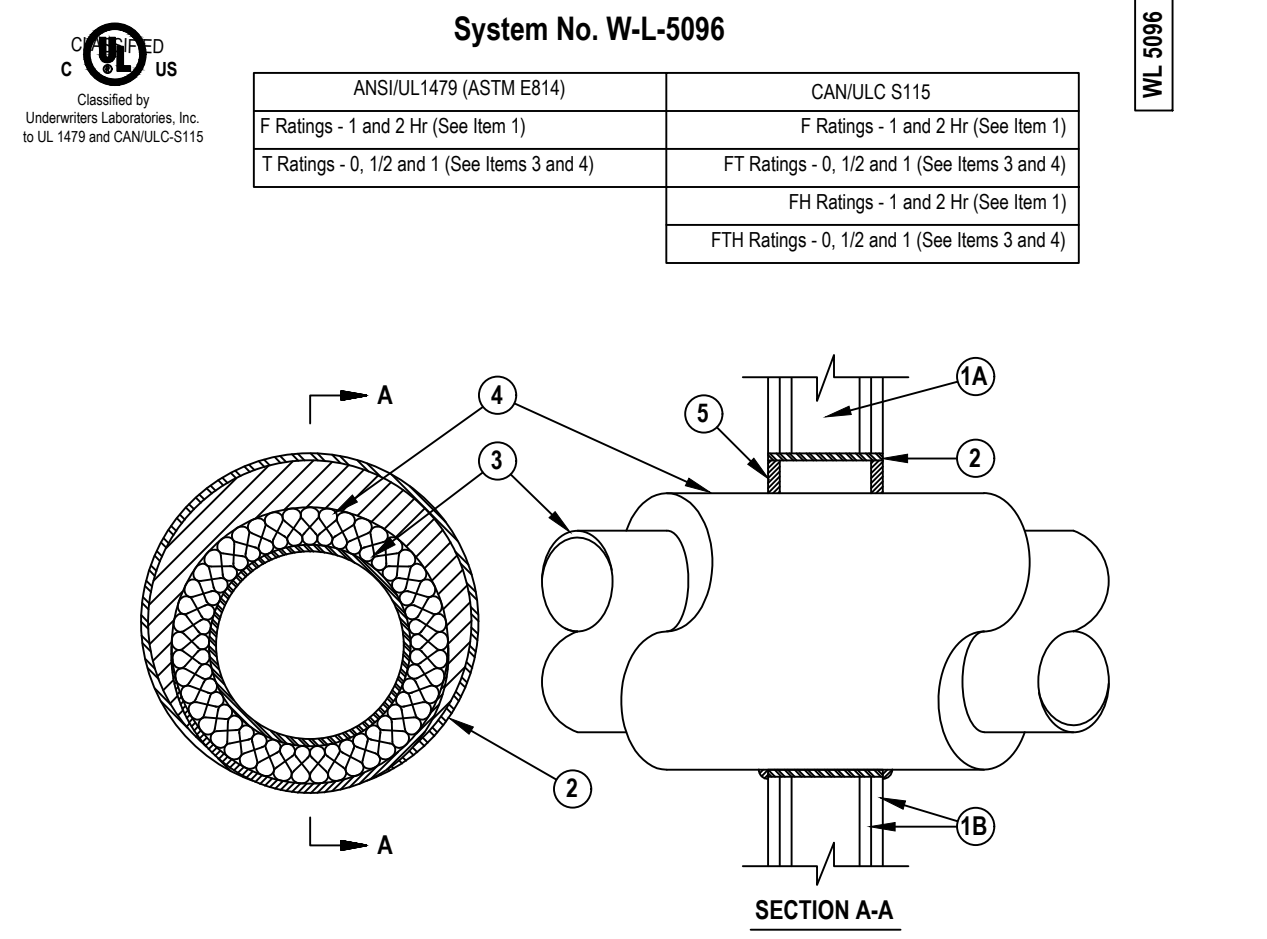
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## LEGEND, NOTES, SCHEDULES, AND DETAILS

JOB NO: 63492 DRAWN: ART  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

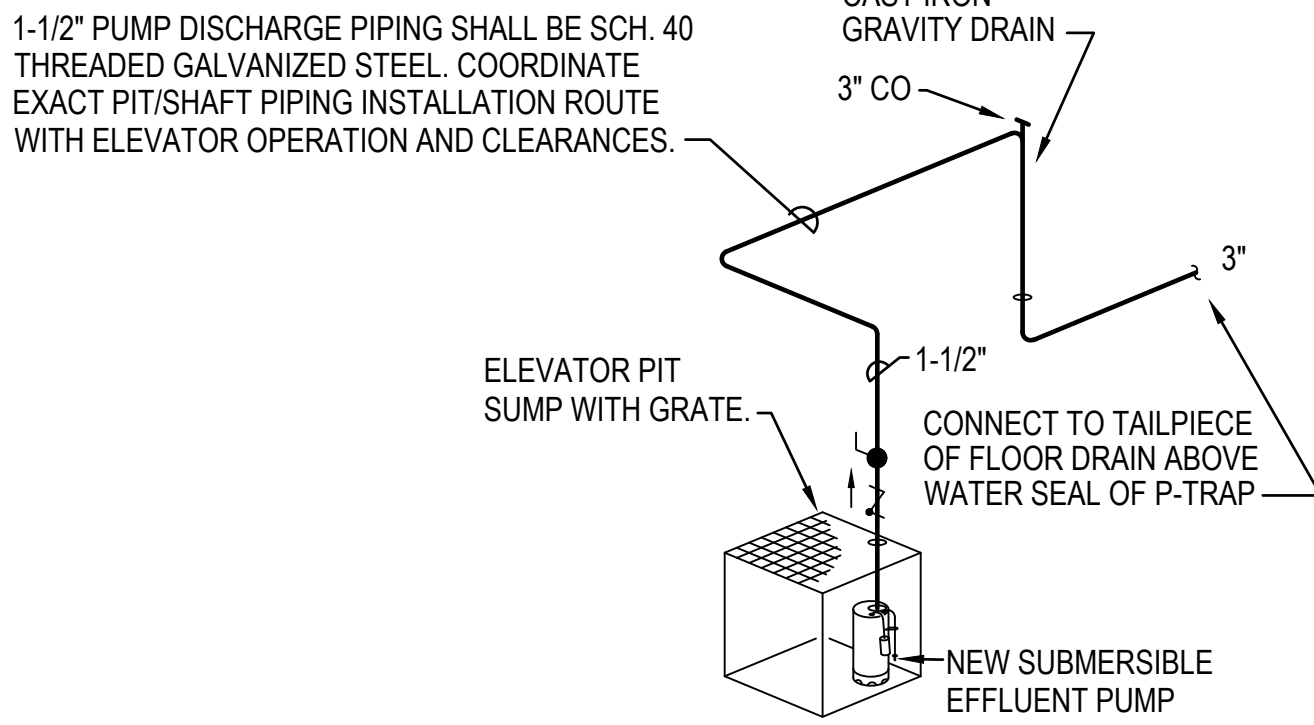
P0.1





1. Wall Assembly — The 1 or 2 hr fire rated wall/board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, U400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:  
A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nominal 2x4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.  
B. Gypsum Board — Non-SB (15 mm) thick, 4-8 1/2 in. (121 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400, U400 or W400 Series Design in the Fire Resistance Directory. Max diam of openings is 14-1/2 in. (368 mm) for wood stud walls. Max diam of opening is 15-5/8 in. (473 mm) for steel stud walls or sized to the outside diam of steel sleeve (Item 2) when optional steel sleeve is used.  
The hourly F and FH Ratings of the freestop system are equal to the hourly fire rating of the wall assembly in which it is installed.  
2. Steel Sleeve — (Optional) Max 18 in. (457 mm) diam Schedule 40 (or heavier) steel pipe sleeve inserted in opening core drilled through wall. Length of steel sleeve to be equal to thickness of wall.  
3. Through Penetrant — One metallic pipe or tubing installed concentrically or eccentrically within the freestop system. Pipe or tube to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tube may be used:  
A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe. When steel pipe is used, T, FT and FTH Ratings are 1/2 hr and 1 hr when installed in 1 and 2 hr rated walls, respectively.  
B. Copper Tube — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube. When copper tube is used, T, FT and FTH Ratings are 1/2 hr and 1 hr when installed in 1 and 2 hr rated walls, respectively.  
C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When copper pipe is used, T, FT and FTH Ratings are 1/2 hr and 1 hr when installed in 1 and 2 hr rated walls, respectively.  
4. Pipe Covering — Max 2 in. (51 mm) thick hollow cylindrical heavy density (nom 3.3 pcf or 50 kg/m<sup>3</sup>) glass fiber units, installed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied SSL tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). When pipe covering thickness is less than 2 in. (51 mm), T, FT and FTH Ratings are 0 hr.  
See Pipe and Equipment Covering Materials (BPGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.  
5. Fill, Void or Cavity Material\* Sealant — Min 5/8 in. (16 mm) or thickness of fill material applied within annulus, flush with both surfaces of wall assembly for A; point contact an additional 1/2 in. (13 mm) bead of sealant shall be applied to the insulated pipe/wall interface.  
HULTI CONSTRUCTION CHEMICALS, DIV. OF HULTI INC. — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

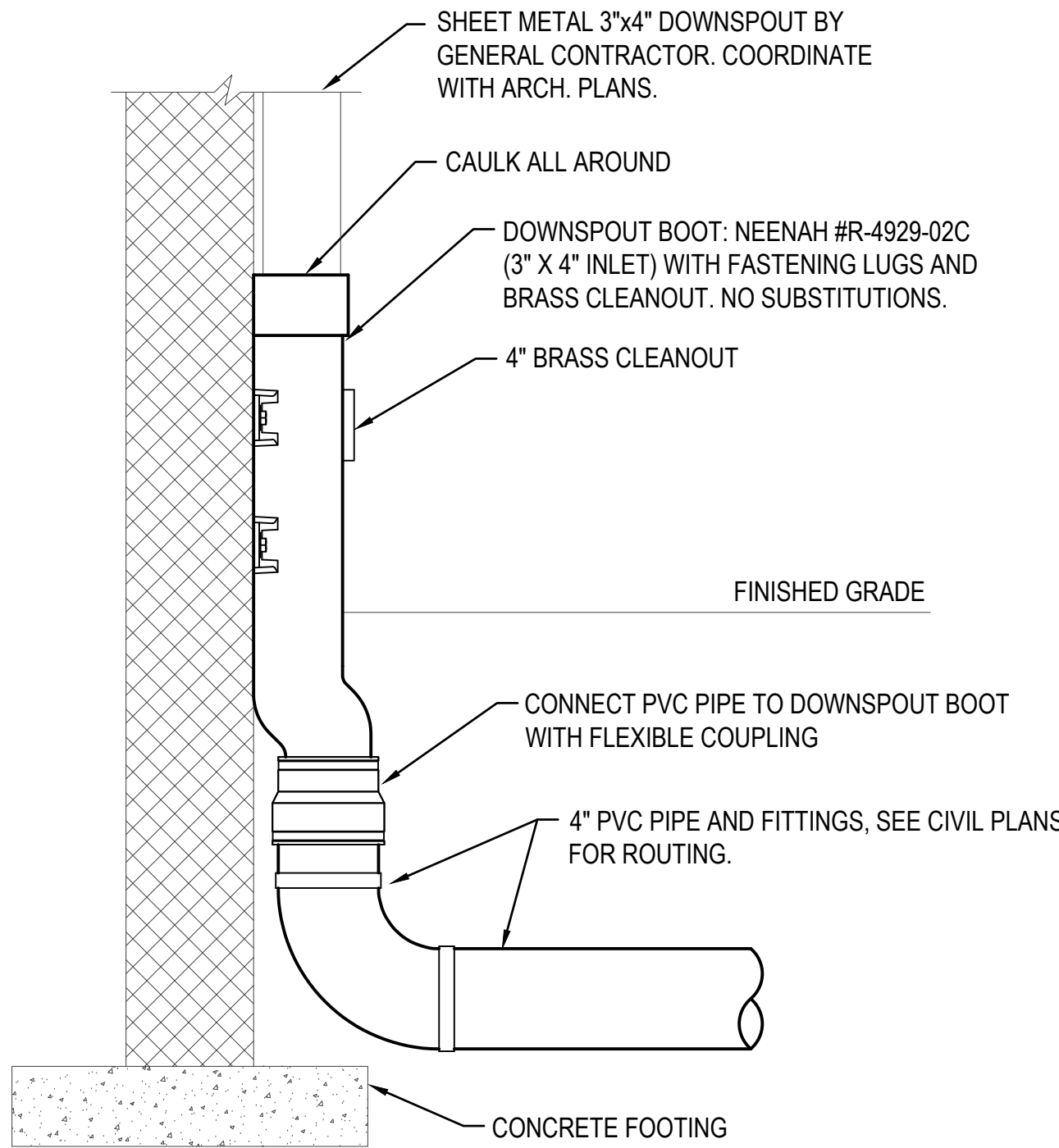
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



NOTES:  
PROVIDE AND INSTALL A NEW LIBERTY SUMP  
PUMP MODEL NUMBER FL31A. 1/3 H.P., 115V.  
CAPACITY SHALL BE 50 GPM @ 7' OF HEAD.  
COORDINATE WITH ELECTRICAL.

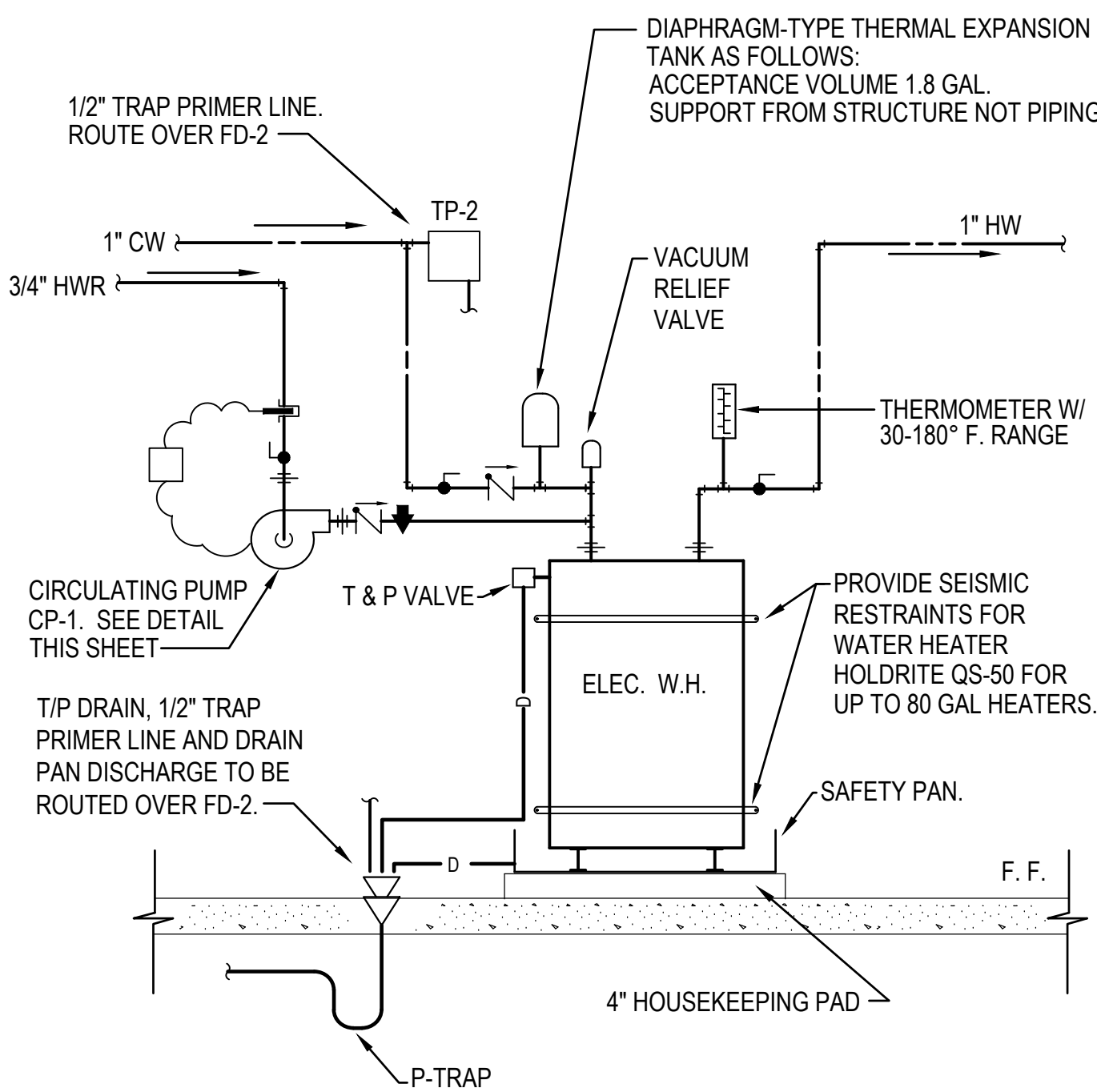
### 1 ELEVATOR SUMP PUMP SCHEMATIC

SCALE: NO SCALE



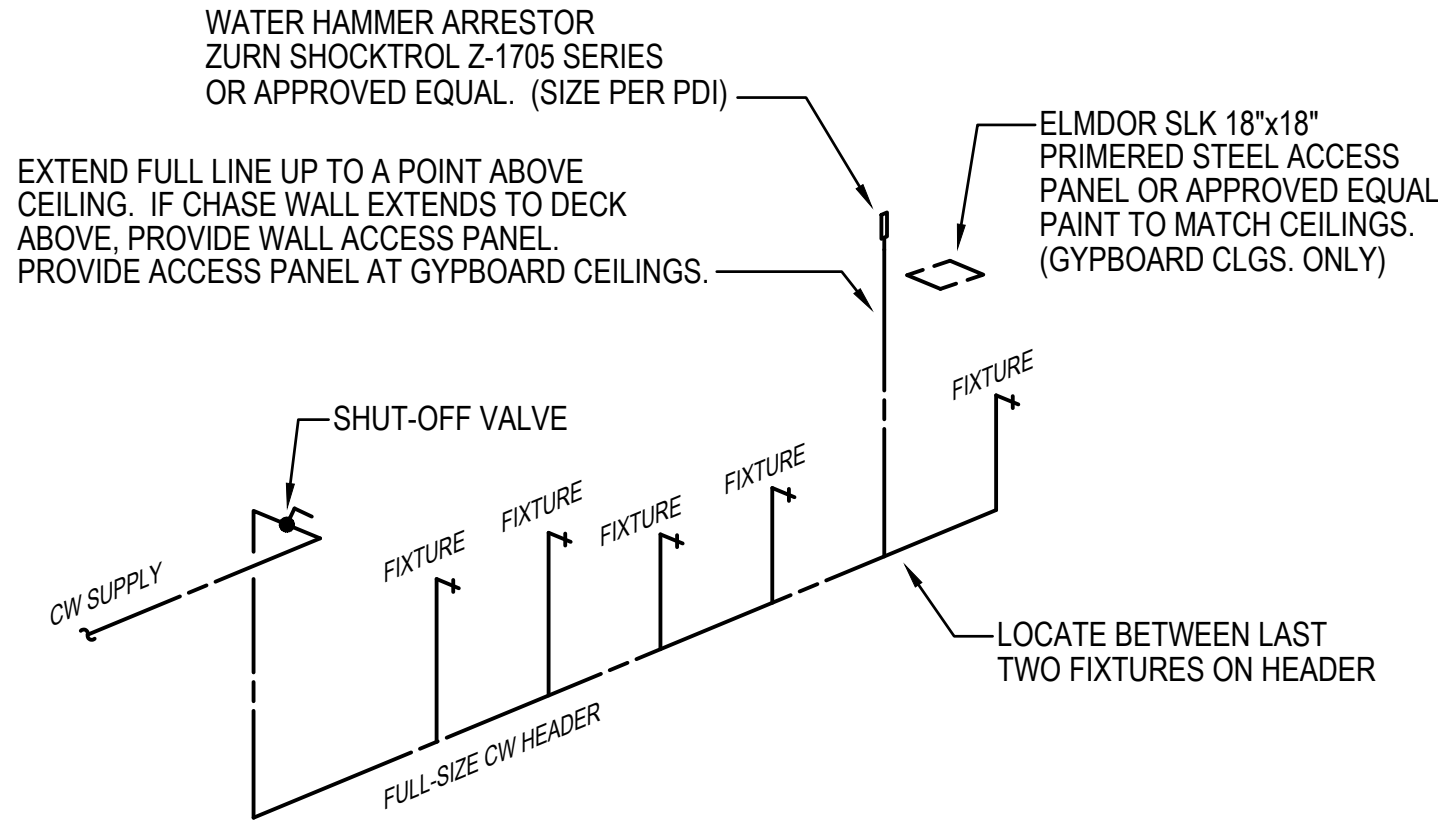
### 3 DOWNSPOUT BOOT DETAIL

SCALE: NO SCALE



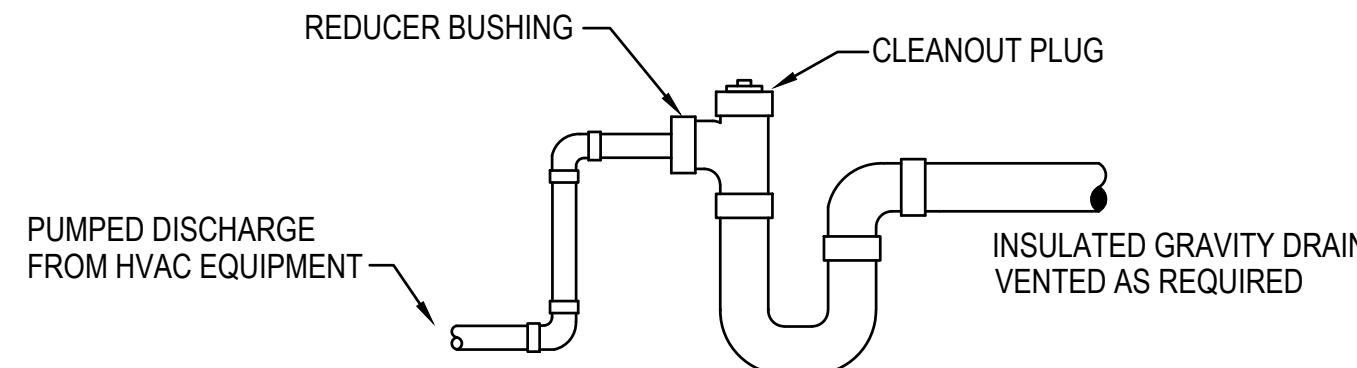
### 6 ELECTRIC WATER HEATER SCHEMATIC

SCALE: NO SCALE



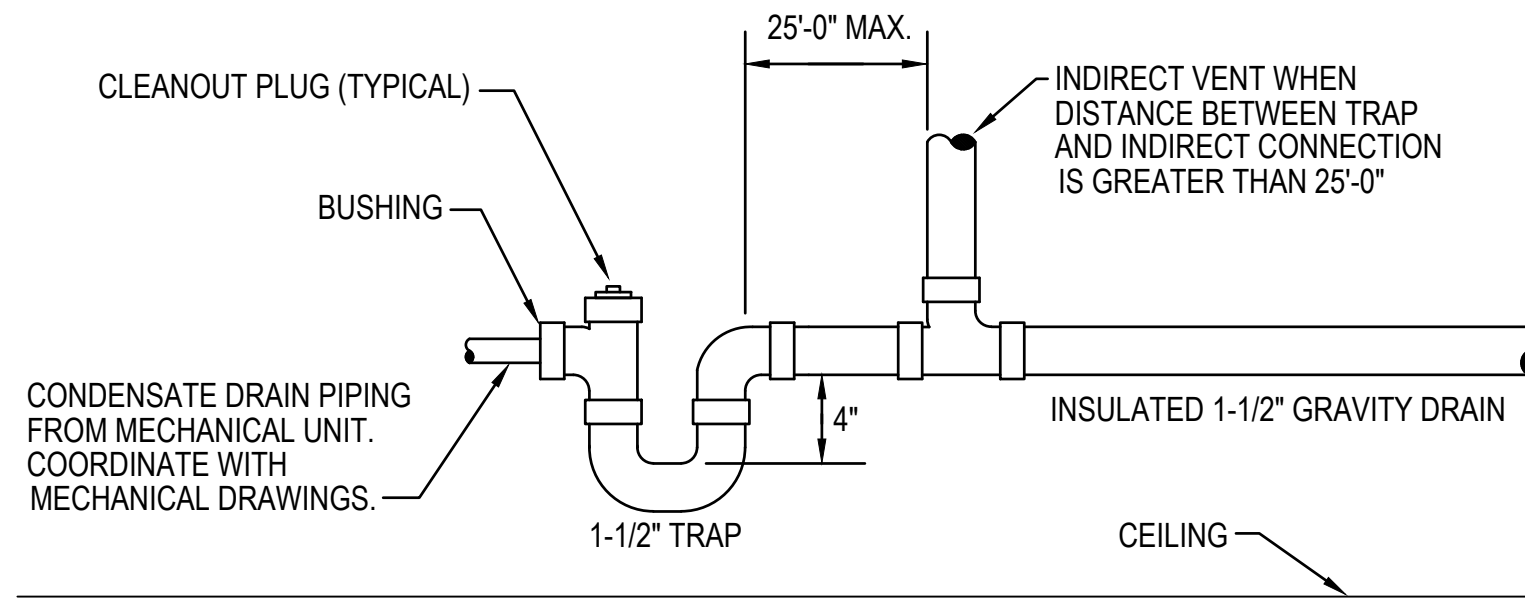
### 2 WATER HAMMER ARRESTOR DETAIL

SCALE: NO SCALE



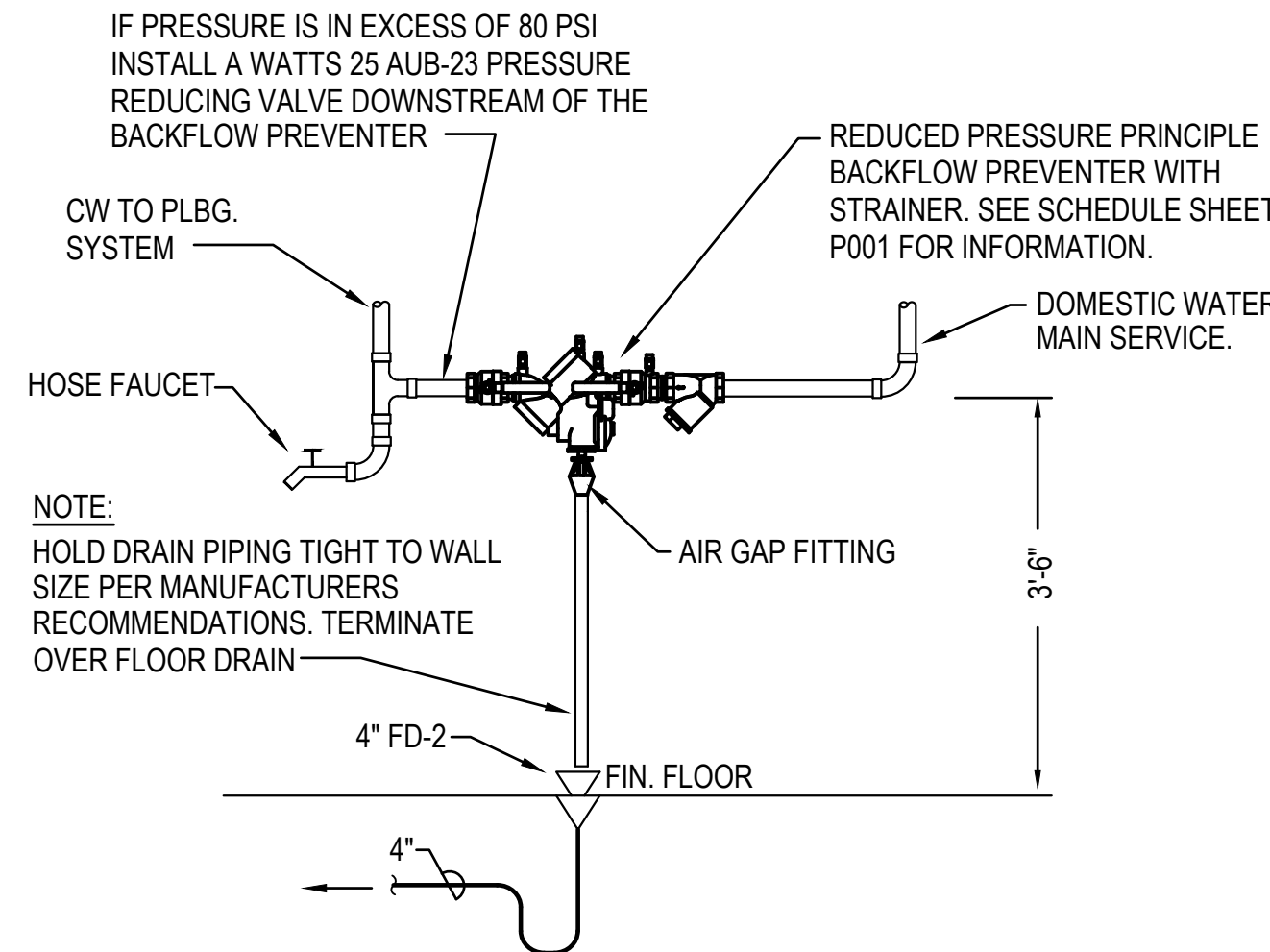
### 4 PUMPED CONDENSATE CONNECTION TO HVAC UNITS

SCALE: NO SCALE



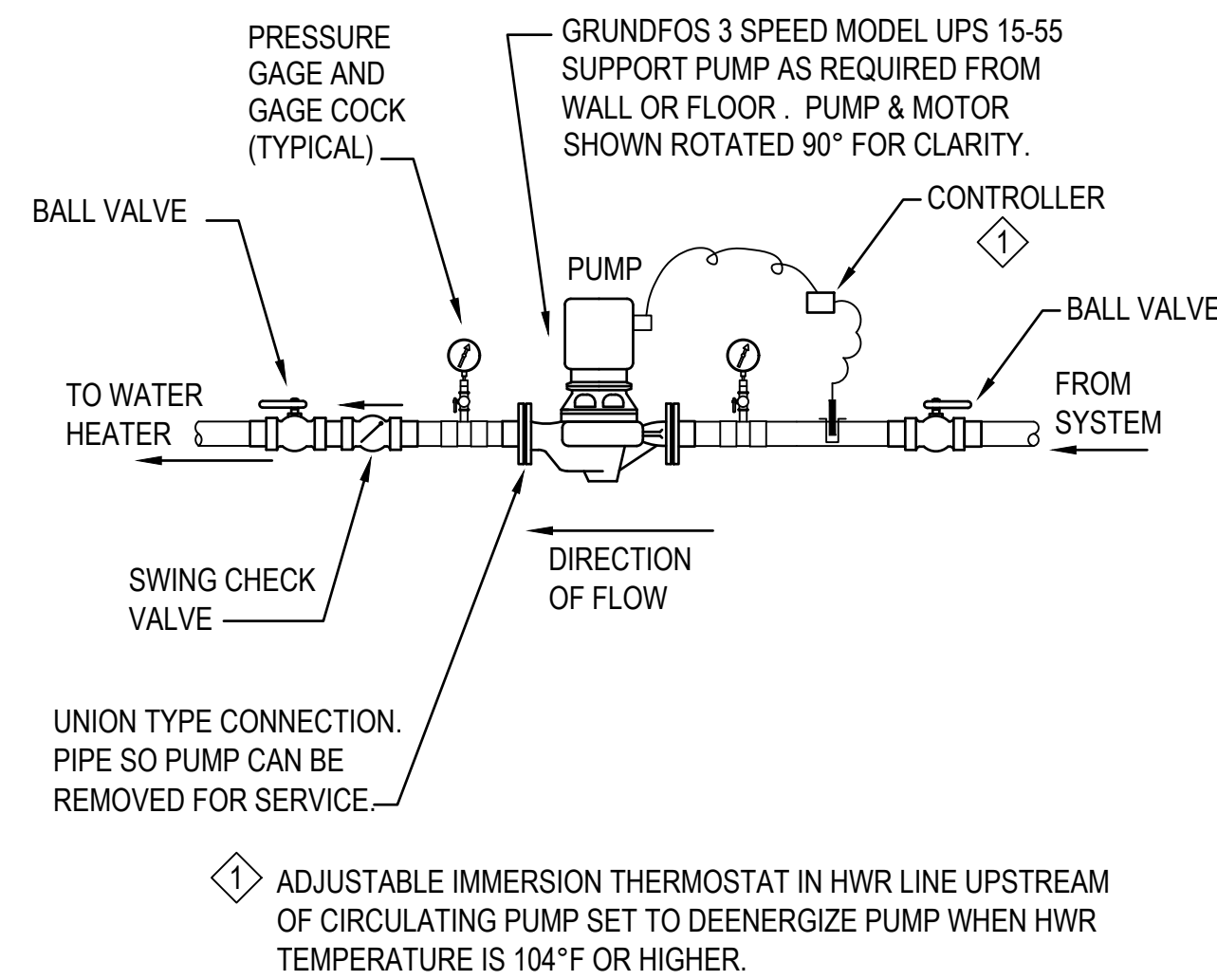
### 5 GRAVITY CONDENSATE CONNECTION TO HVAC UNITS

SCALE: NO SCALE



### 7 BUILDING DOMESTIC BACKFLOW PREVENTER SCHEMATIC

SCALE: NO SCALE



### 8 INLINE RECIRCULATING PUMP (CP-1) SCHEMATIC

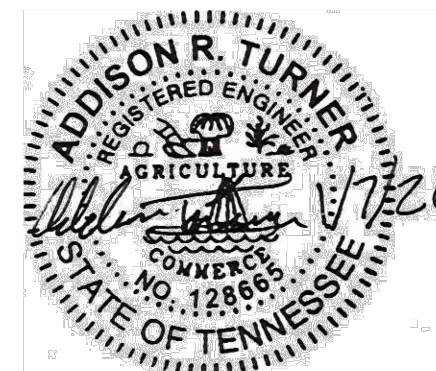
SCALE: NO SCALE



**Allen & Hoshall**  
engineers • architects • surveyors

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### WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
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### DETAILS

JOB NO: 63492

DRAWN: ART

DATE: 01.07.2026

CONSTRUCTION DOCUMENTS

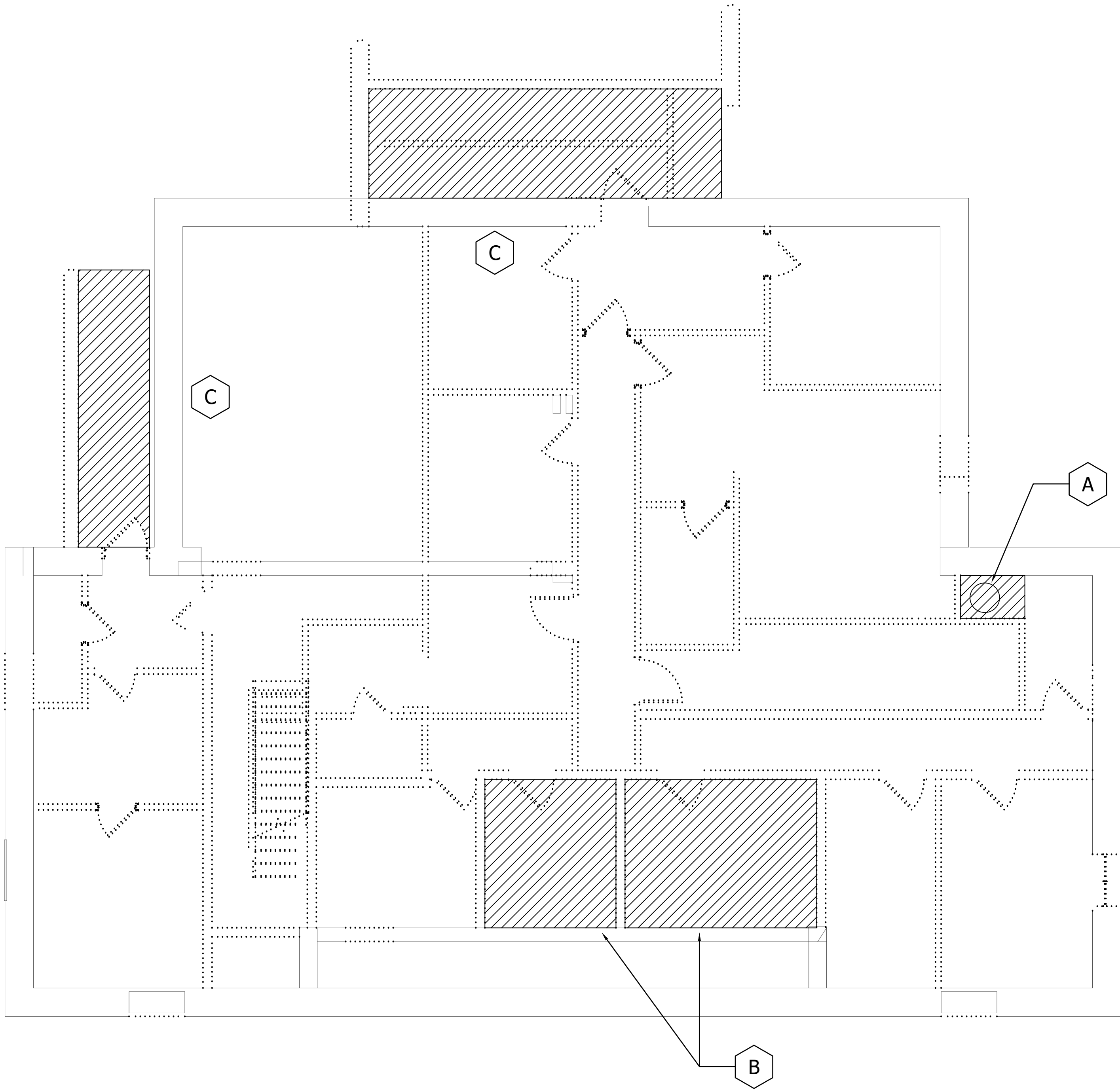
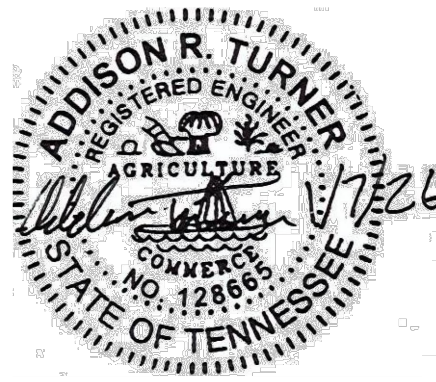
P0.3



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- KEYNOTES:**
- A** DEMOLISH EXISTING WATER HEATER. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.
  - B** DEMOLISH EXISTING REST ROOM FIXTURES. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.
  - C** DEMOLISH AND CAP ALL FIXTURES AS NECESSARY.

**1 BASEMENT - DEMOLITION PLAN**  
3/16" = 1'-0"

**WINCHESTER CITY HALL**

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

| CITY OF WINCHESTER, TENNESSEE |                      |      |
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**BASEMENT - DEMOLITION PLAN**

JOB NO: 63492 DRAWN:ART  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

**PD1.0**

Plotted on: 1/5/2026 1:16:16 PM

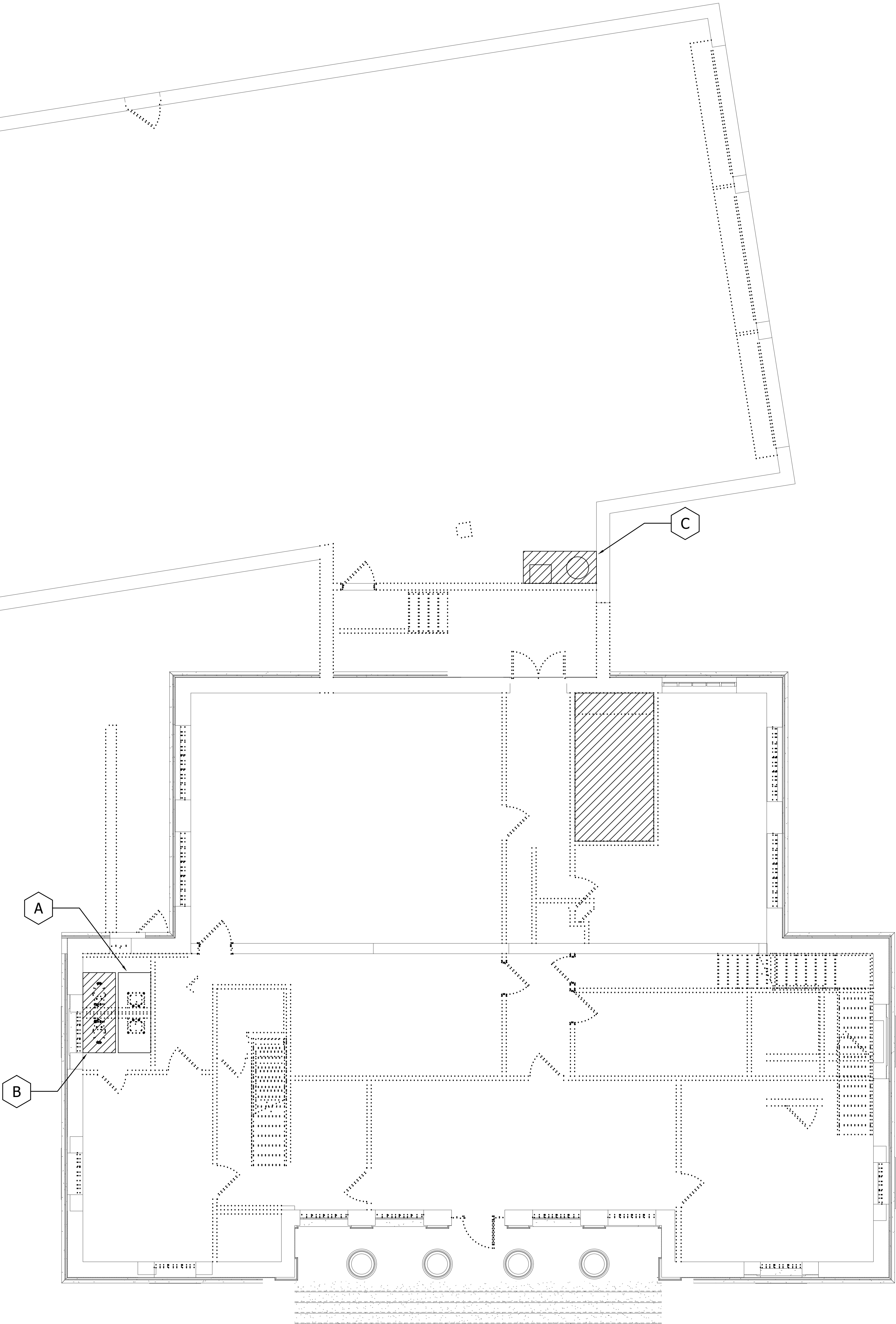
KEYNOTES:

- A

CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING LAVATORIES (P-EX) FROM THESE SPACES. CLEAN AND PREPARE FOR REINSTALLATION IN NEW TOILETS PER RENOVATION DRAWINGS.
- B

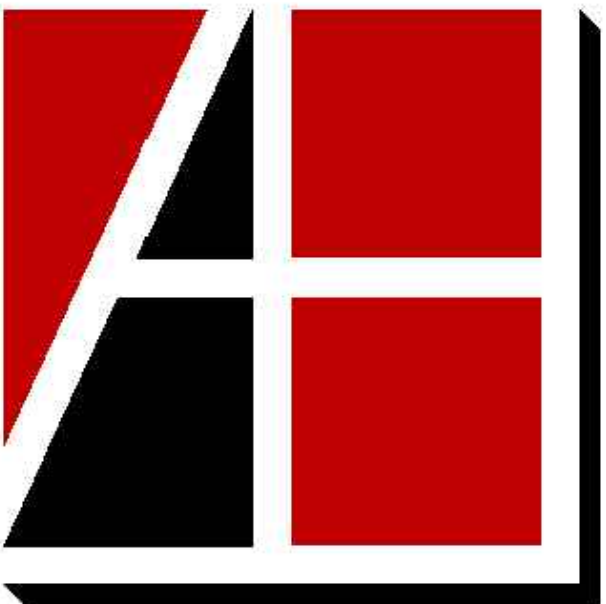
DEMOLISH EXISTING PLUMBING FIXTURES. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW STAIRWELL.
- C

DEMOLISH EXISTING WATER HEATER AND MOP SINK. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.



1 FIRST FLOOR - DEMOLITION PLAN

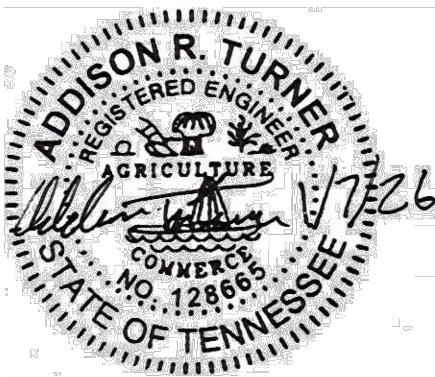
3/16" = 1'-0"



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FIRST FLOOR - DEMOLITION  
PLAN

JOB NO: 63492      DRAWN: ART  
DATE: 01.07.2026      CONSTRUCTION DOCUMENTS

PD1.1

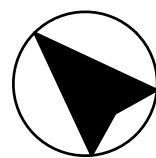
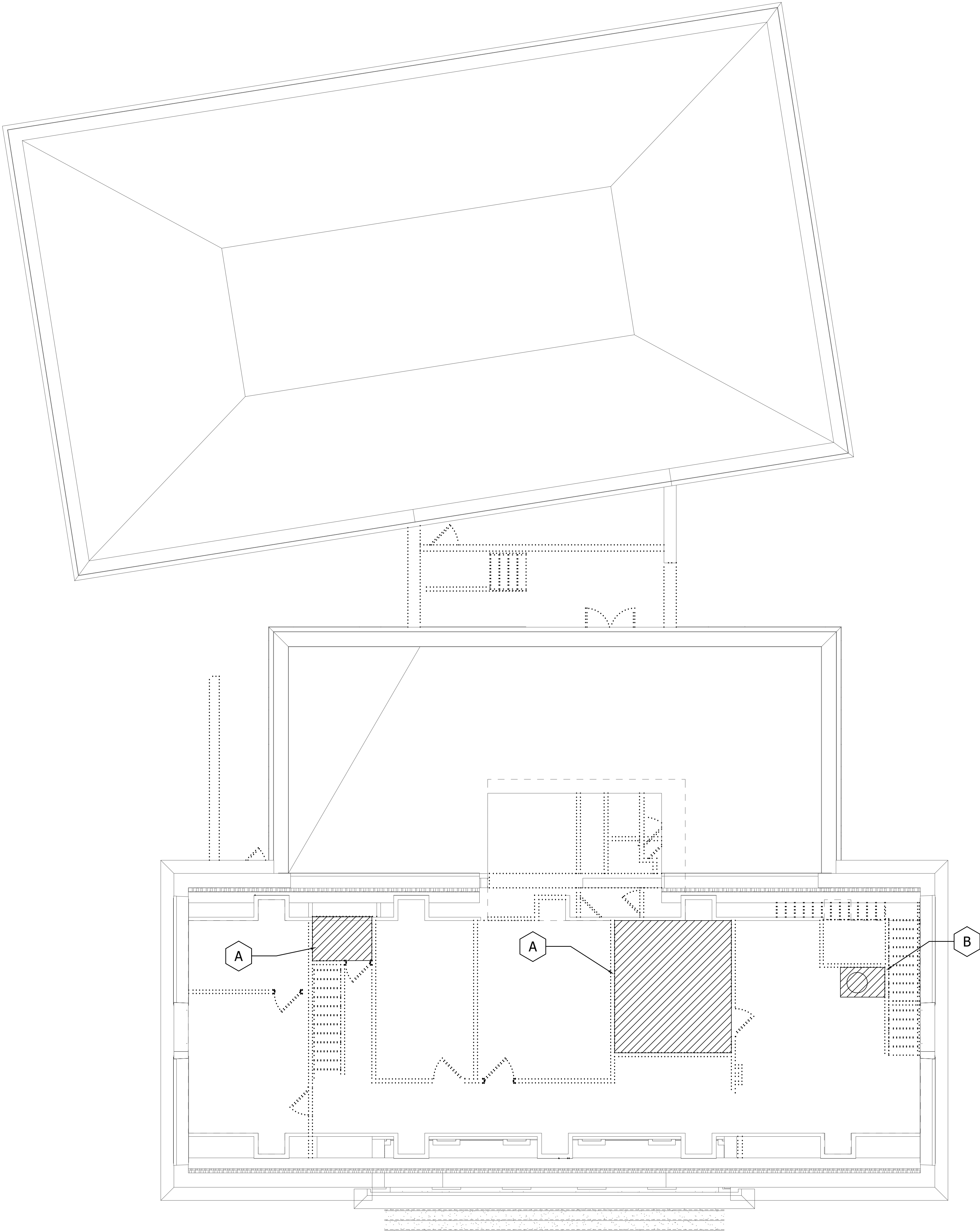
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KEYNOTES:

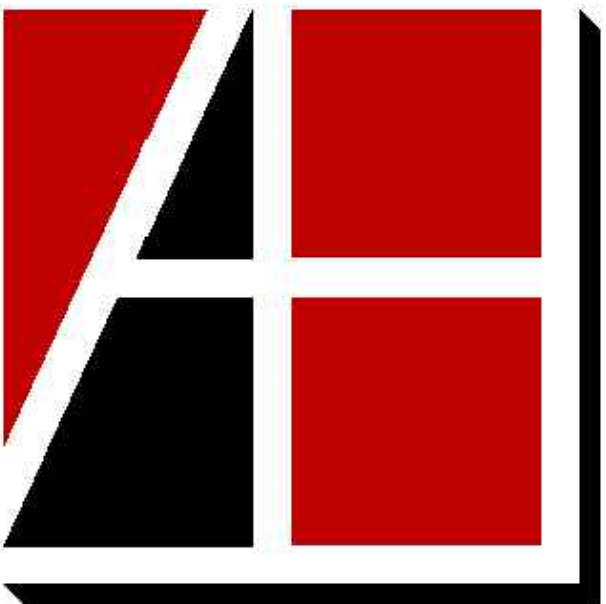
- A

DEMOLISH EXISTING PLUMBING FIXTURES. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW FLOOR PLAN.
- B

DEMOLISH EXISTING WATER HEATER. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.



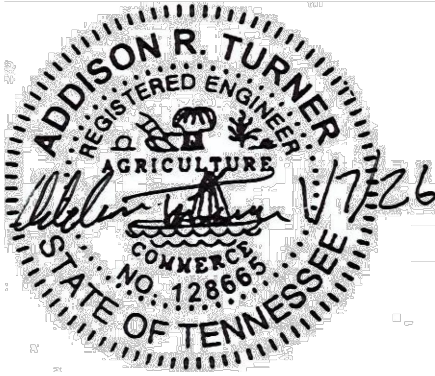
**1 SECOND FLOOR - DEMOLITION PLAN**  
3/16" = 1'-0"



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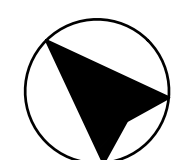
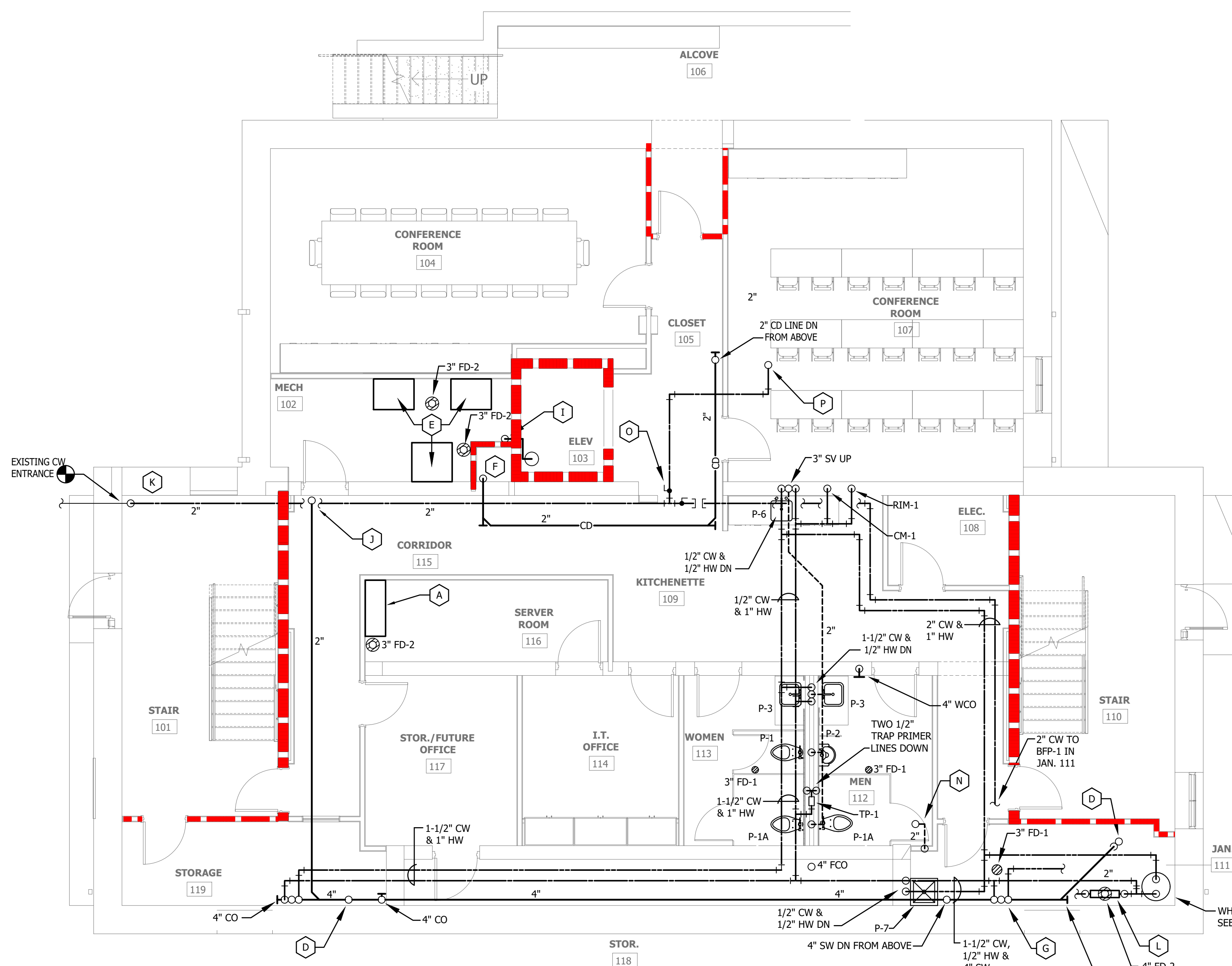
SECOND FLOOR - DEMOLITION PLAN

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DATE: 01.07.2026      CONSTRUCTION DOCUMENTS

PD1.2



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$$\frac{3}{16}'' = 1'-0''$$

$$\underline{3/16'' = 1'-0''}$$

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | FAN COIL UNIT ON WALL. SEE MECHANICAL DRAWINGS. DISCHARGE CONDENSATE TO FD-2.                                                                                                                                                                                                                                                                                                                                                                                     |
| B | SUMP PUMP IN ELEVATOR PIT. SEE ELEVATOR SUMP PUMP SCHEMATIC ON SHEET P0.1 FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                                                                                             |
| C | TIE INTO EXISTING SANITARY WASTE LINE. CONTRACTOR TO VERIFY SIZE AND ELEVATION UPON NOTICE TO PROCEED. PROVIDE RETORSEAL CLEAN CHECK BACKWATER VALVE. PROVIDE WITH BRASS COVER PLATE FLUSH WITH FINISHED FLOOR.                                                                                                                                                                                                                                                   |
| D | 2" SW LINE DOWN FROM FIXTURE ABOVE. SEE P1.1.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| E | MECHANICAL AIR HANDLER UNIT. SEE MECHANICAL DRAWINGS. DISCHARGE CONDENSATE TO FD-2.                                                                                                                                                                                                                                                                                                                                                                               |
| F | 2" CD LINE DOWN IN WALL. CONNECT TO TAILPIECE OF FD-2 ABOVE WATER SEAL OF P-TRAP.                                                                                                                                                                                                                                                                                                                                                                                 |
| G | 1/2" HWR DOWN FROM ABOVE. ROUTE BACK TO CP-1. SEE DETAILS FOR CONTINUATION. 2" SW LINE DOWN FROM ABOVE. TIE INTO 4" SW LINE. 1-1/2" CW LINE UP TO ABOVE TO SUPPLY LAV. AND WC.                                                                                                                                                                                                                                                                                    |
| H | ABOVE GROUND MECHANICAL EQUIPMENT. SEE MECHANICAL PLANS FOR FURTHER DETAIL AND COORDINATE CLEARANCES.                                                                                                                                                                                                                                                                                                                                                             |
| I | 1-1/2" PUMPED DISCHARGE UP FROM SUMP PUMP IN ELEVATOR PIT. CONNECT TO 3" GRAVITY DRAIN. SEE ELEVATOR SUMP PUMP SCHEMATIC ON SHEET P0.2 FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                                |
| J | 2" SW LINE DOWN FROM ABOVE. RUN ABOVE CEILING AND TIE INTO WASTE LINE AS SHOWN. SEE P1.1 FOR CONTINUATION ABOVE.                                                                                                                                                                                                                                                                                                                                                  |
| K | CONNECT TO THE EXISTING 2" DOMESTIC WATER SERVICE AFTER EXISTING PRV AND BALL VALVE. LABEL THE PIPING BETWEEN THE POINT OF ENTRY AND THE NEW BACKFLOW PREVENTER AS "DO NOT CONNECT".                                                                                                                                                                                                                                                                              |
| L | INSTALL NEW BFP-1. SEE DETAIL ON P0.3 AND SCHEDULE ON P0.1 FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                                                                                                            |
| M | CONNECT 3" FLOOR DRAIN TO TAILPIECE OF P-7 ABOVE P-TRAP WATER SEAL.                                                                                                                                                                                                                                                                                                                                                                                               |
| N | 2" SV UP IN WALL. ROUTE AS SHOWN. TURN SV UP IN WALL ABOVE ON 1ST FLOOR. SEE KEYNOTE I ON P1.1 FOR CONTINUATION.                                                                                                                                                                                                                                                                                                                                                  |
| O | PROVIDE 2" TEE IN PHASE 1 WITH BALL VALVES AS SHOWN. CAP PHASE 2 SUPPLY UNTIL PHASE 2 CONSTRUCTION BEGINS. UPON INITIATION OF PHASE 2 REMOVE CAP AND ROUTE 2" CW LINE AS SHOWN TO JAN. 111.                                                                                                                                                                                                                                                                       |
| P | 2" CW LINE UP TO ABOVE IN PHASE 2 WORK ROOM WALL. SEE P1.1 FOR CONTINUATION. CW LINE WILL BE INSTALLED DURING PHASE 1 IN EXISTING CORRIDOR WALL. CONTRACTOR SHALL REFER TO EXISTING AND ARCHITECTURAL PLANS TO COORDINATE PIPE LOCATION WITH EXISTING CORRIDOR WALL AND PHASE 2 WORK ROOM WALL. COORDINATE INSTALLATION WITH OWNER AT LEAST 72 HOURS IN ADVANCE. UPON COMPLETION OF INSTALLATION IN PHASE 1 CONTRACTOR SHALL PATCH AND REPAIR ANY AFFECTED AREAS. |

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

THE EXACT LOCATIONS OF THE EXISTING SANITARY SEWER IS NOT KNOWN. THE CONTRACTOR SHALL LOCATE THE EXISTING SEWER AND VERIFY THE SIZE DEPTH, AND DIRECTION OF FLOW. THE CONTRACTOR SHALL THEN VERIFY THAT THE EXISTING SANITARY IS CLEAR AND FUNCTIONS PROPERLY BY RODDING AND TELEVISION SANITARY SEWER LINES WITHIN 2 WEEKS OF CONSTRUCTION MOBILIZATION. PROVIDE THE ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHAL PROJECT MANAGER.

ROD AND TELEWISE SANITARY SEWER LINES AT THE COMPLETION OF CONSTRUCTION (AT LEAST 1 WEEK PRIOR TO ANTICIPATED CERTIFICATE OF OCCUPANCY). PROVIDE FINAL ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.

### FIRE RATING LEGEND

| COLOR                                                                                 |                                                                                       | WALL TYPE      | PATTERN                                                                               | FIRE RESISTANCE RATING |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|------------------------|
| EXISTING                                                                              | NEW                                                                                   |                |                                                                                       |                        |
|  |  | FIRE PARTITION |  | 30 MIN                 |
|  |  | FIRE BARRIER   |  | 1 HOUR                 |
|  |  | FIRE WALL      |  | 2 HOUR                 |
|                                                                                       |                                                                                       |                |  | 3 HOUR                 |
|                                                                                       |                                                                                       |                |  | 4 HOUR                 |

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERNS. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLAN FOR COORDINATION AND CONSTRUCTION DETAILS. FIRE AND SMOKE RATING IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

[illegible]

## BASEMENT - PLUMBING

JOB NO: 63492                      DRAWN:ART  
DATE: 01.07.2026    CONSTRUCTION DOCUMENTS

# P1.0

| FIRE RATING LEGEND                                                                                                                                                                                                                                                                                                      |           |                 |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|------------------------|
| COLOR                                                                                                                                                                                                                                                                                                                   | WALL TYPE | PATTERN         | FIRE RESISTANCE RATING |
| EXISTING                                                                                                                                                                                                                                                                                                                | NEW       |                 |                        |
| GREEN                                                                                                                                                                                                                                                                                                                   | GREEN     | FIRE PARTITION  | 30 MIN.                |
| BROWN                                                                                                                                                                                                                                                                                                                   | BROWN     | FIRE BARRIER    | 1 HOUR                 |
| RED                                                                                                                                                                                                                                                                                                                     | RED       | FIRE WALL       | 2 HOUR                 |
|                                                                                                                                                                                                                                                                                                                         |           |                 | 3 HOUR                 |
|                                                                                                                                                                                                                                                                                                                         |           |                 | 4 HOUR                 |
| FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND. WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT. |           |                 |                        |
| SMOKE RATING LEGEND                                                                                                                                                                                                                                                                                                     |           |                 |                        |
| EXISTING                                                                                                                                                                                                                                                                                                                | NEW       | WALL TYPE       |                        |
| EXISTING                                                                                                                                                                                                                                                                                                                | NEW       | SMOKE PARTITION |                        |
|                                                                                                                                                                                                                                                                                                                         |           | SMOKE BARRIER   |                        |

KEYNOTES:

- (A) 1/2" CW LINE UP TO COFFEE MAKER ABOVE. SEE P1.2 FOR CONTINUATION.
- (B) 2" SW DOWN TO ABOVE CEILING IN BASEMENT LEVEL. SEE P1.0 FOR CONTINUATION.
- (C) 3" SV PIPING FROM BASEMENT TO 3" VTR. SEE P1.0 FOR CONTINUATION.
- (D) 1/2" HOT WATER AND 1-1/2" COLD WATER LINE UP TO ABOVE. SEE P1.2 FOR CONTINUATION.
- (E) 4" WASTE DOWN FROM WATER CLOSET ABOVE. SEE P1.2 FOR CONTINUATION.
- (F) ROUTE SV UP IN WALL ABOVE. SEE P1.2 FOR CONTINUATION. TIE 2" SV OF SINK ABOVE INTO 2" SV AND V.T.R.
- (G) TIE INTO EXISTING SANITARY WASTE LINE. CONTRACTOR TO VERIFY SIZE AND ELEVATION UPON NOTICE TO PROCEED. REPORT RESULTS TO ENGINEER OF RECORD PROMPTLY AND IN WRITING.
- (H) 4" WASTE LINE DOWN TO BASEMENT. SEE P1.0 FOR CONTINUATION.
- (I) CONNECT 2" SV FROM BELOW MARKED KEYNOTE N ON P1.0.
- (J) 1" CW UP TO ROOF HYDRANT WITH STAINLESS STEEL SHROUD, MALE HOSE FITTING, VACUUM BREAKER AND DOME HANDLE: EQUAL TO MAPA #MPH-24D/24/9. INSTALL IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.
- (K) 2" P-TRAP ABOVE CEILING TO SERVE ROOF TOP AIR HANDLING UNIT CONDENSATE. EXTEND 2" TRAP INLET TO ABOVE ROOF ELEVATION. COORDINATE EXACT LOCATION WITH HVAC CONTRACTOR. SEE MECH SECTION FOR DETAIL.
- (L) INSTALL NEW BFP-2. SEE DETAIL ON P0.3 AND SCHEDULE ON P0.1 FOR ADDITIONAL INFORMATION.
- (M) 2" CW LINE UP FROM BELOW IN PHASE 2 WORK ROOM WALL. SEE P1.0 FOR SUPPLY. CW LINE WILL BE INSTALLED DURING PHASE 1 IN EXISTING CORRIDOR WALL. CONTRACTOR SHALL REFER TO EXISTING AND ARCHITECTURAL PLANS TO COORDINATE PIPE LOCATION WITH EXISTING CORRIDOR WALL AND PHASE 2 WORK ROOM WALL. COORDINATE INSTALLATION WITH OWNER AT LEAST 72 HOURS IN ADVANCE. UPON COMPLETION OF INSTALLATION IN PHASE 1 CONTRACTOR SHALL PATCH AND REPAIR ANY AFFECTED AREAS.
- (N) 2" CD LINE DOWN TO BELOW. ROUTE BELOW SLAB AND TIE INTO TAILPIECE OF FD-1 ABOVE WATER SEAL OF P-TRAP.

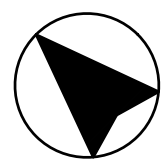
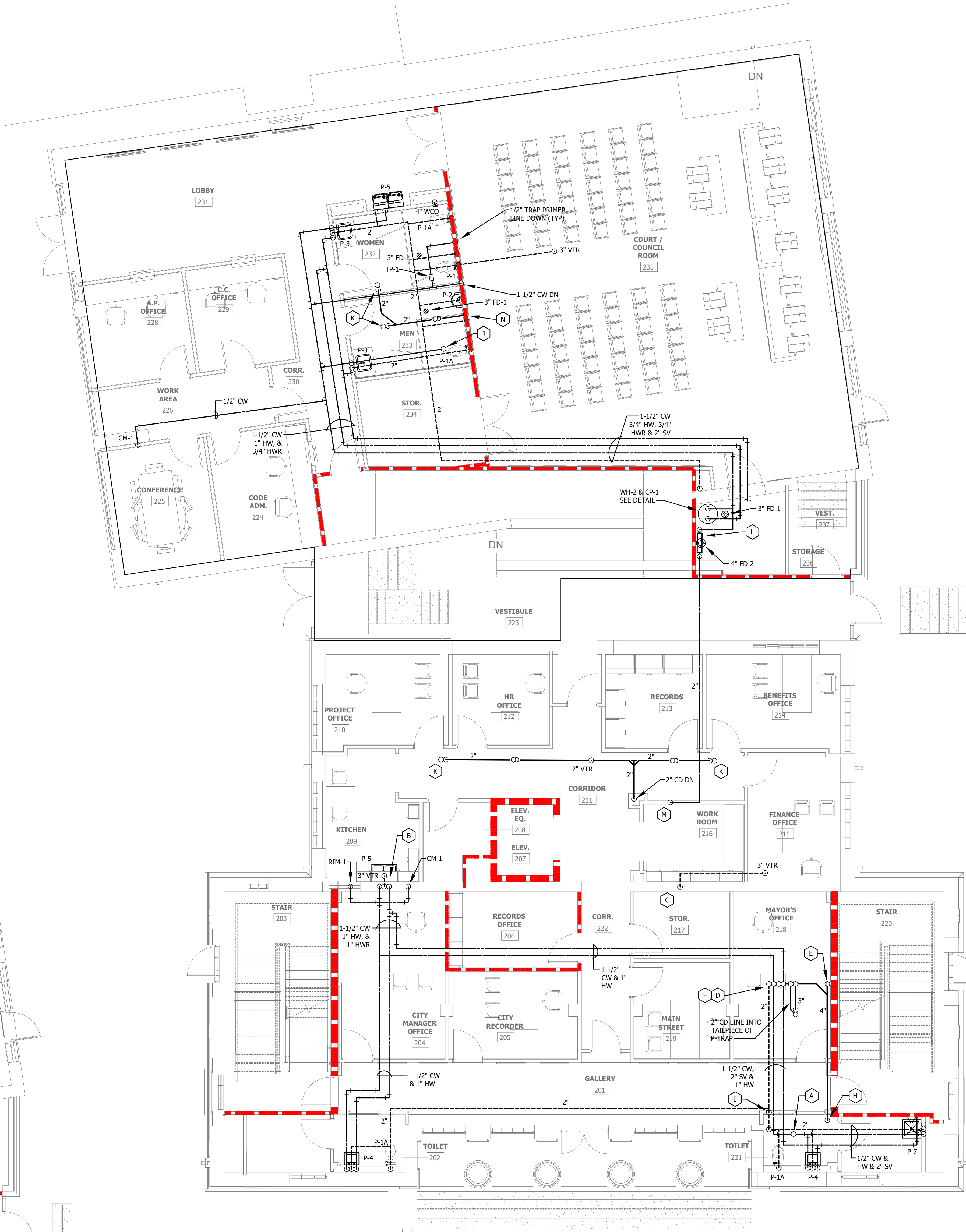
PHASING NOTE:

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

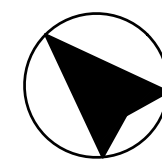
GENERAL NOTES:

THE EXACT LOCATIONS OF THE EXISTING SANITARY SEWER IS NOT KNOWN. THE CONTRACTOR SHALL LOCATE THE EXISTING SEWER AND VERIFY THE SIZE DEPTH, AND DIRECTION OF FLOW. THE CONTRACTOR SHALL THEN VERIFY THAT THE EXISTING SANITARY IS CLEAR AND FUNCTIONS PROPERLY BY RODDING AND TELEVISING SANITARY SEWER LINES WITHIN 2 WEEKS OF CONSTRUCTION MOBILIZATION. PROVIDE THE ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.

ROD AND TELEVISE SANITARY SEWER LINES AT THE COMPLETION OF CONSTRUCTION (AT LEAST 1 WEEK PRIOR TO ANTICIPATED CERTIFICATE OF OCCUPANCY). PROVIDE FINAL ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.



**1 FIRST FLOOR - BELOW GROUND PLUMBING**  
3/16" = 1'-0"



**2 FIRST FLOOR - ABOVE GROUND PLUMBING**  
3/16" = 1'-0"

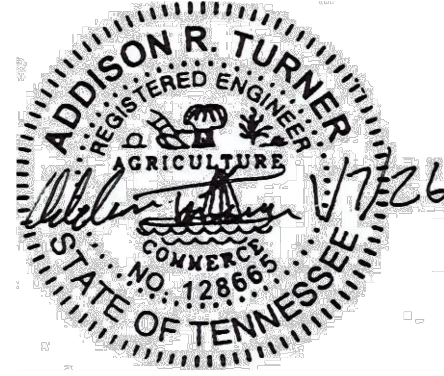
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**Allen & Hoshall**  
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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

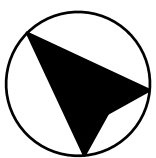
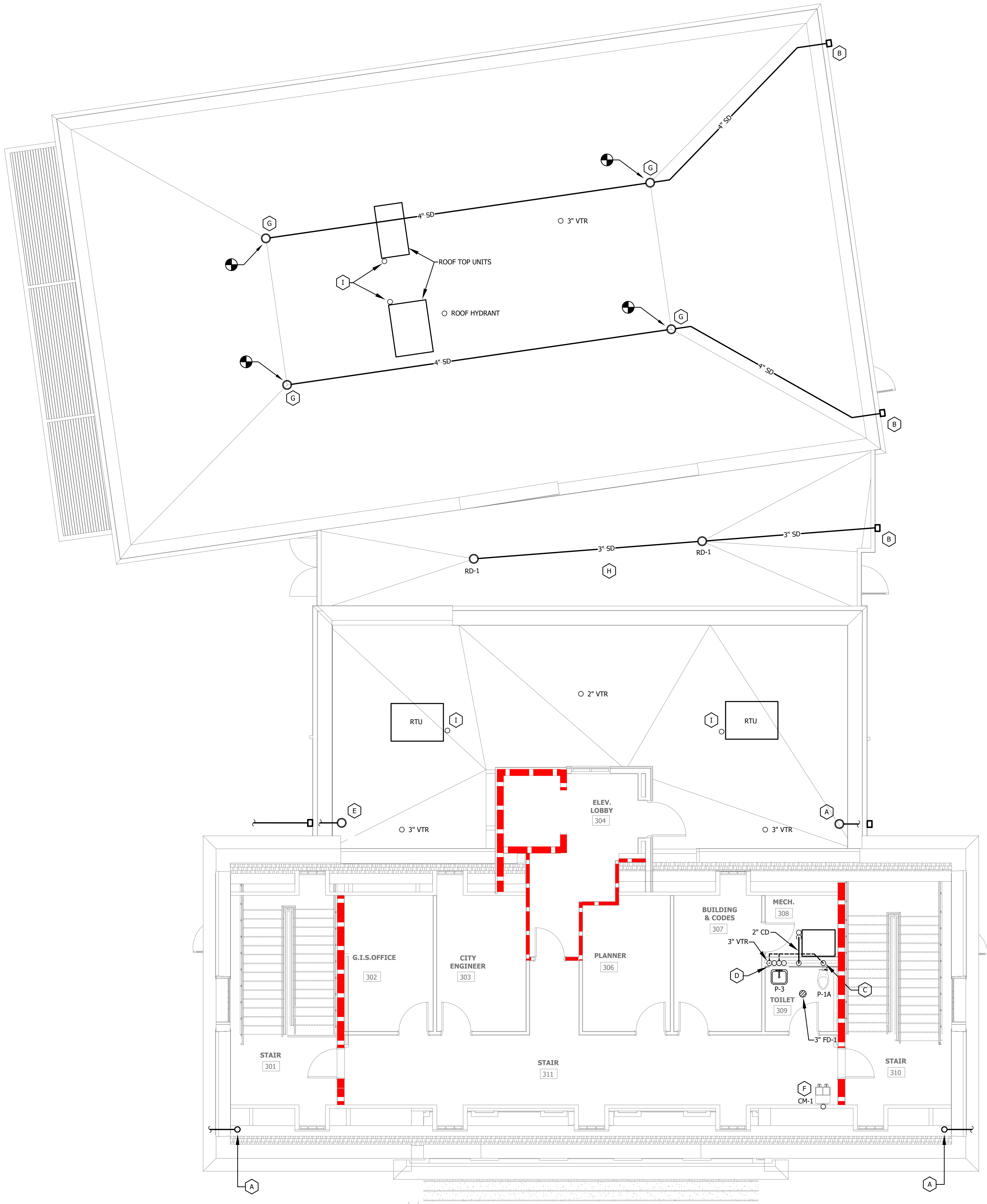
| No. | Revision Description | Date |
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|     |                      |      |
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FIRST FLOOR - PLUMBING

JOB NO: 63492 DRAWN: ART  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P1.1

Plotted on: 1/5/2026 1:16:16 PM



**1 SECOND FLOOR - PLUMBING**

3/16" = 1'-0"

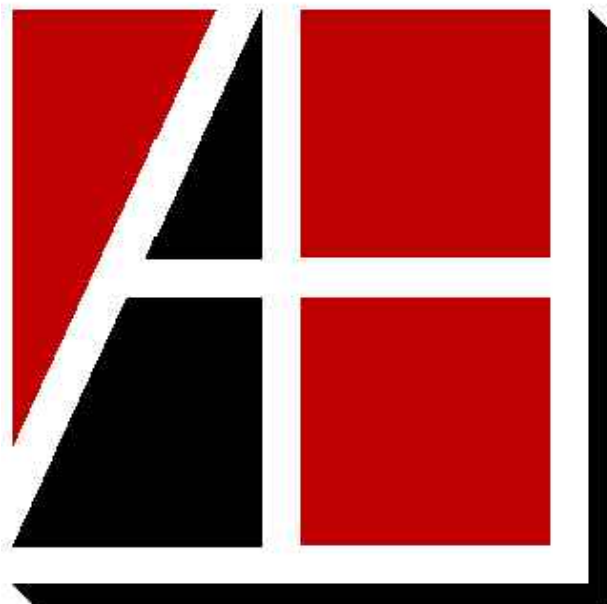
**PHASING NOTE:**

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

**KEYNOTES:**

- A** EXISTING ROOF DRAIN AND STORM DRAIN PIPING TO REMAIN SPILLING INTO EXTERIOR CONDUCTOR HEAD AND DRAIN TO GRADE. SEE ARCHITECTURAL PLANS FOR DOWNSPOUTS.
- B** NEW STORM DRAIN PIPE TO SPILL INTO CONDUCTOR HEAD AND DRAIN ONTO GRADE. SEE ARCHITECTURAL PLANS FOR DOWNSPOUTS.
- C** 4" SW LINE DOWN TO BELOW. SEE P1.1 FOR CONTINUATION.
- D** 1/2" HW AND 1-1/2" CW UP FROM BELOW. SEE P1.1 FOR CONTINUATION.
- E** EXISTING ROOF DRAIN AND INTERIOR STORM DRAIN PIPING TO REMAIN. SPILL INTO NEW CONDUCTOR HEAD AND ROUTE GUTTER BELOW SIDEWALK AS SHOWN IN DETAIL 4/P0.2. SEE ARCHITECTURAL PLANS FOR DOWNSPOUTS AND CONDUCTOR HEAD. SEE CIVIL PLANS FOR UNDERGROUND CONTINUATION.
- F** 1/2" CW LINE UP FROM BELOW TO FEED COFFEE MAKER. SEE P1.1 FOR CONTINUATION.
- G** EXISTING ROOF DRAINS TO REMAIN. DEMO EXISTING PIPING AND ROUTE NEW STORM DRAIN PIPING AS SHOWN.
- H** NEW ROOF DRAINS AND STORM DRAIN PIPING TO BE INSTALLED AS SHOWN. SPILL INTO CONDUCTOR HEAD AND DRAIN TO GRADE.
- I** 2" CD LINE DOWN TO BELOW. SEE P1.1 FOR CONTINUATION.

| FIRE RATING LEGEND                                                                                                                                                                                                                                                                                                      |                 |             |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------------------|
| COLOR                                                                                                                                                                                                                                                                                                                   | WALL TYPE       | PATTERN     | FIRE RESISTANCE RATING |
| EXISTING NEW                                                                                                                                                                                                                                                                                                            |                 |             |                        |
| <div></div> <div></div>                                                                                                                                                                                                                                                                                                 | FIRE PARTITION  | <div></div> | 30 MIN.                |
| <div></div> <div></div>                                                                                                                                                                                                                                                                                                 | FIRE BARRIER    | <div></div> | 1 HOUR                 |
| <div></div> <div></div>                                                                                                                                                                                                                                                                                                 | FIRE WALL       | <div></div> | 2 HOUR                 |
|                                                                                                                                                                                                                                                                                                                         |                 | <div></div> | 3 HOUR                 |
|                                                                                                                                                                                                                                                                                                                         |                 | <div></div> | 4 HOUR                 |
| FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND. WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT. |                 |             |                        |
| SMOKE RATING LEGEND                                                                                                                                                                                                                                                                                                     |                 |             |                        |
| EXISTING NEW                                                                                                                                                                                                                                                                                                            | WALL TYPE       |             |                        |
| <div></div>                                                                                                                                                                                                                                                                                                             | SMOKE PARTITION | <div></div> |                        |
| <div></div>                                                                                                                                                                                                                                                                                                             | SMOKE BARRIER   | <div></div> |                        |

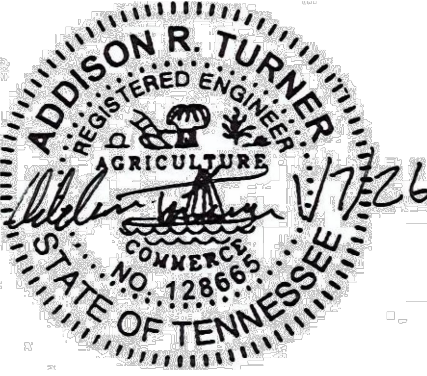


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**WINCHESTER CITY HALL**

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
|-----|----------------------|------|
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**SECOND FLOOR - PLUMBING**

JOB NO: 63492

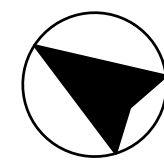
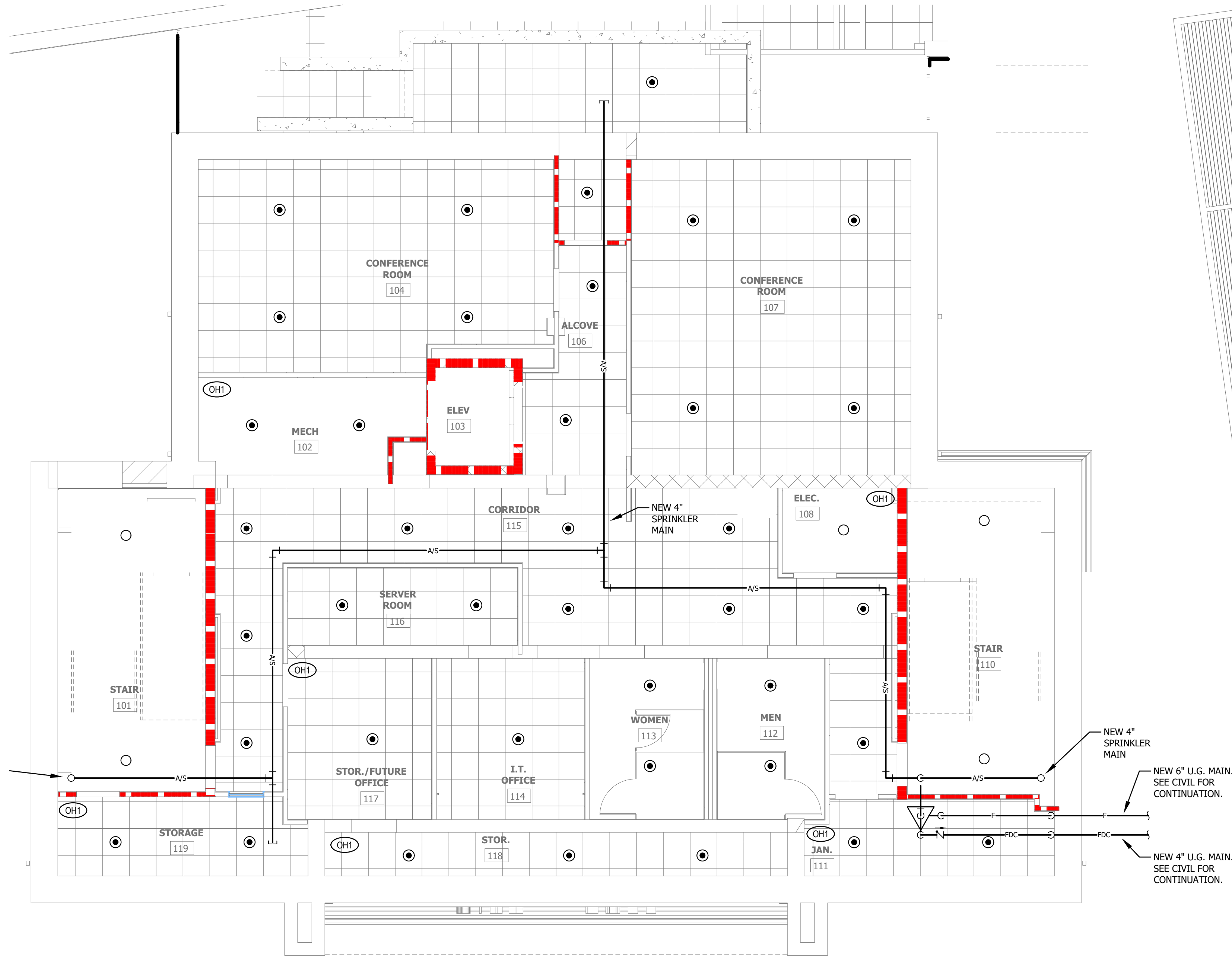
DATE: 01.07.2026

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CONSTRUCTION DOCUMENTS

**P1.2**

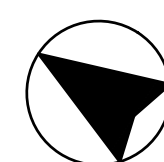
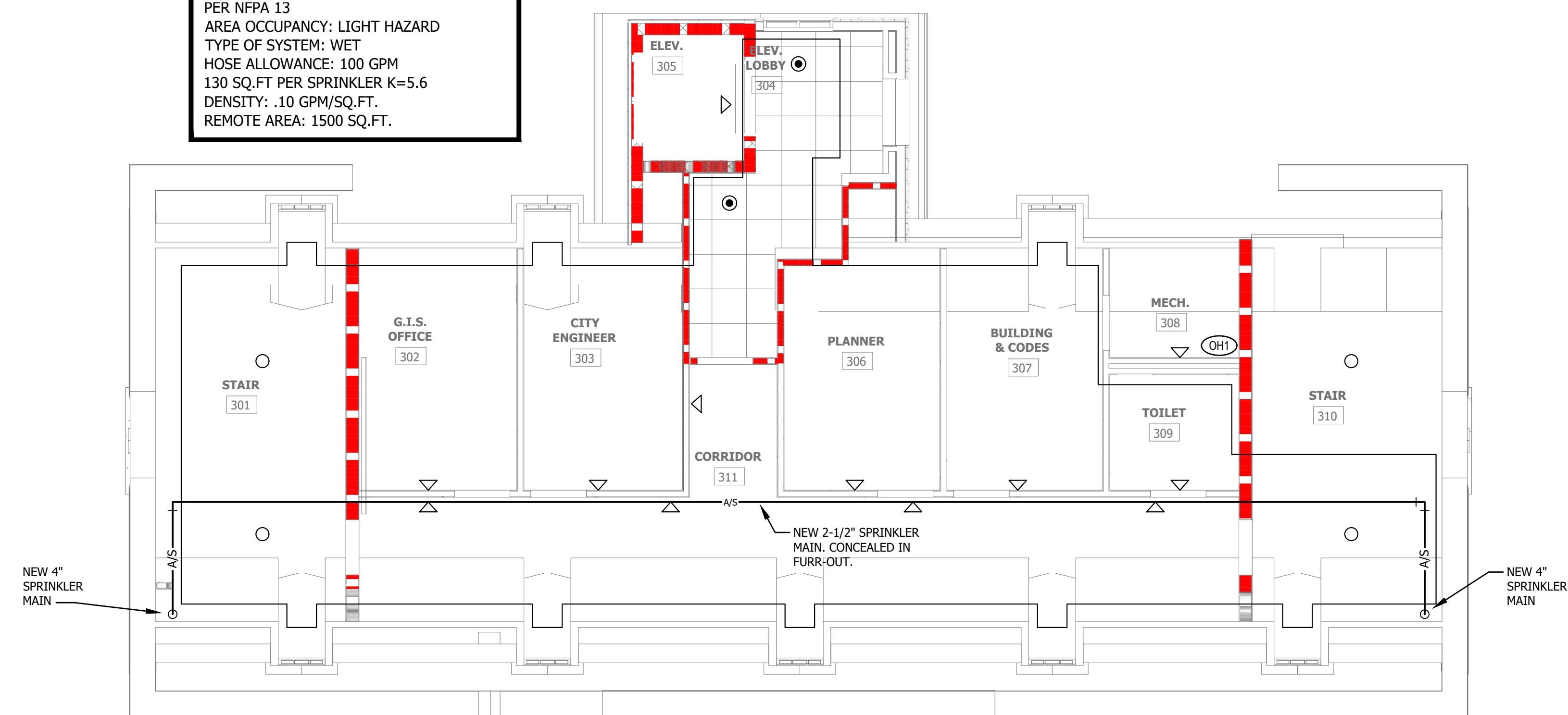
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### 1 BASEMENT - FIRE PROTECTION

3/16" = 1'-0"

**DESIGN CRITERIA:**  
PER NFPA 13  
AREA OCCUPANCY: LIGHT HAZARD  
TYPE OF SYSTEM: WET  
HOSE ALLOWANCE: 100 GPM  
130 SQ.FT PER SPRINKLER K=5.6  
DENSITY: .10 GPM/SQ.FT.  
REMOTE AREA: 1500 SQ.FT.



### 3 SECOND FLOOR - FIRE PROTECTION

3/16" = 1'-0"



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| FIRE RATING LEGEND                                                                                                                                                                                                                                                                                                    |                                                                                   |                |                                                                                   |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------|------------------------|
| COLOR                                                                                                                                                                                                                                                                                                                 |                                                                                   | WALL TYPE      | PATTERN                                                                           | FIRE RESISTANCE RATING |
| EXISTING                                                                                                                                                                                                                                                                                                              | NEW                                                                               |                |                                                                                   |                        |
|                                                                                                                                                                                                                                      |  | FIRE PARTITION |  | 30 MIN.                |
|                                                                                                                                                                                                                                      |  | FIRE BARRIER   |  | 1 HOUR                 |
|                                                                                                                                                                                                                                      |  | FIRE WALL      |  | 2 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |                                                                                   |                |  | 3 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |                                                                                   |                |  | 4 HOUR                 |
| FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT. |                                                                                   |                |                                                                                   |                        |
| SMOKE RATING LEGEND                                                                                                                                                                                                                                                                                                   |                                                                                   |                |                                                                                   |                        |
| EXISTING                                                                                                                                                                                                                                                                                                              |                                                                                   | NEW            | WALL TYPE                                                                         |                        |
|                                                                                                                                                                                                                                      |  |                |                                                                                   |                        |
|                                                                                                                                                                                                                                                                                                                       |                                                                                   |                | SMOKE PARTITION                                                                   |                        |
|                                                                                                                                                                                                                                      |  |                | SMOKE BARRIER                                                                     |                        |

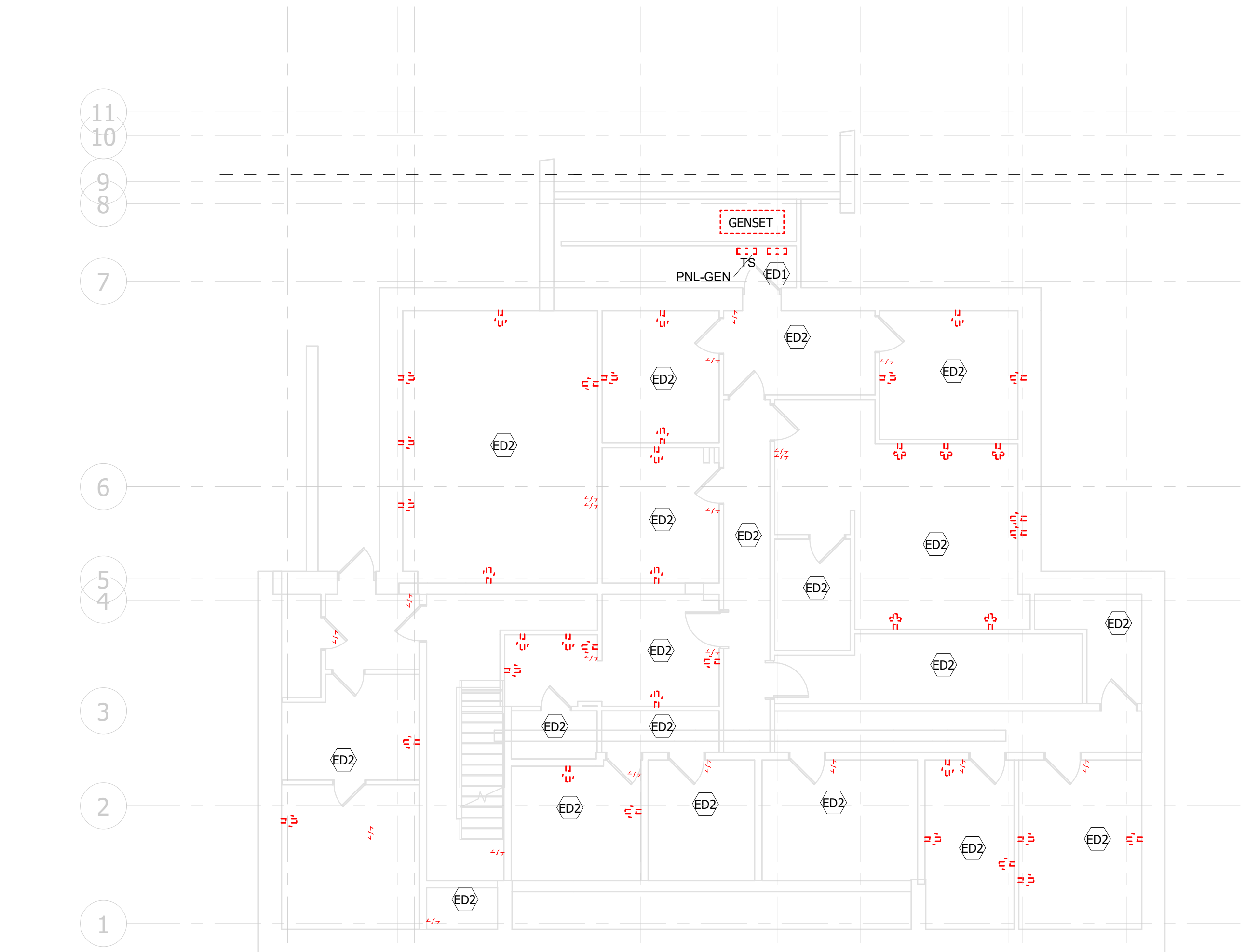
|     |                      | MANUAL ON/OFF | AUTO ON FULL | AUTO ON PARTIAL | DIMMING | DAYLIGHT | AUTO OFF | TIMER CONTROL |
|-----|----------------------|---------------|--------------|-----------------|---------|----------|----------|---------------|
| 101 | STAIR                | <             |              |                 |         |          |          |               |
| 102 | MECH                 | <             |              |                 |         |          |          |               |
| 103 | ELEV                 | <             |              |                 |         |          |          |               |
| 104 | CONFERENCE ROOM      | <             | <            |                 |         |          | <        |               |
| 105 | CLOSET               |               | <            |                 |         |          | <        |               |
| 106 | JAN                  | <             |              |                 |         |          |          |               |
| 107 | CONFERENCE ROOM      | <             |              | <               |         |          | <        |               |
| 108 | ELEC.                | <             |              |                 |         |          |          |               |
| 109 | KITCHENETTE          | <             |              |                 |         |          |          |               |
| 110 | STAIR                | <             |              |                 |         |          | <        |               |
| 111 | JAN.                 | <             |              |                 |         |          | <        |               |
| 112 | STOR.                |               | <            |                 |         |          | <        |               |
| 113 | MEN                  |               | <            |                 |         |          | <        |               |
| 114 | WOMEN                |               | <            |                 |         |          | <        |               |
| 115 | LT. OFFICE           |               |              | <               |         |          | <        |               |
| 116 | STORAGE              |               |              | <               |         |          | <        |               |
| 117 | CORRIDOR             | <             |              |                 |         |          |          |               |
| 118 | SERVER ROOM          | <             |              |                 |         |          |          |               |
| 119 | STOR./FUTURE OFFICE  |               | <            |                 |         |          | <        |               |
| 120 | STOR.                |               |              |                 |         |          | <        |               |
| 121 | STORAGE              |               |              | <               |         |          | <        |               |
| 122 | ELECTRICAL           | <             |              |                 |         |          |          |               |
| 123 | VESTIBULE            | <             |              |                 |         |          | <        |               |
| 200 | GALLERY              | <             | <            |                 |         |          | <        |               |
| 201 | GALLERY              | <             | <            |                 |         |          | <        |               |
| 202 | TOILET               |               | <            |                 |         |          | <        |               |
| 203 | STAIR                | <             |              |                 |         |          |          |               |
| 205 | CITY RECORDER        |               |              | <               |         |          | <        |               |
| 206 | RECORDS OFFICE       |               |              |                 |         |          | <        |               |
| 207 | ELEV.                | <             |              |                 |         |          |          |               |
| 208 | ELEV. EQ.            | <             |              |                 |         |          |          |               |
| 209 | KITCHEN              | <             |              |                 |         |          |          |               |
| 210 | PROJECT OFFICE       |               |              | <               |         |          | <        |               |
| 211 | CORRIDOR             | <             |              |                 |         |          |          |               |
| 212 | HR OFFICE            |               | <            |                 |         |          | <        |               |
| 213 | FUTURE OFFICE        |               |              | <               |         |          | <        |               |
| 214 | BENEFITS OFFICE      |               |              | <               |         |          | <        |               |
| 215 | FINANCE OFFICE       |               |              | <               |         |          | <        |               |
| 216 | WORK ROOM            |               |              | <               |         |          | <        |               |
| 217 | STOR.                |               |              | <               |         |          | <        |               |
| 218 | RECORDS              |               |              | <               |         |          | <        |               |
| 219 | MAYOR'S OFFICE       |               |              | <               |         |          | <        |               |
| 220 | MAIN STREET          | <             |              |                 |         |          | <        |               |
| 221 | STAIR                | <             |              |                 |         |          |          |               |
| 222 | TOILET               |               | <            |                 |         |          |          |               |
| 223 | CORR.                | <             |              |                 |         |          |          |               |
| 224 | VESTIBULE            | <             |              |                 |         |          |          |               |
| 225 | VESTIBULE            | <             |              |                 |         |          |          |               |
| 226 | CODE ADM.            |               | <            |                 |         |          | <        |               |
| 227 | CONFERENCE           | <             | <            |                 |         |          | <        |               |
| 228 | WORK AREA            |               |              | <               |         |          | <        |               |
| 229 | C.O. OFFICE          |               |              | <               |         |          | <        |               |
| 230 | CORR.                | <             |              |                 |         |          |          |               |
| 231 | LOBBY                | <             |              |                 |         |          |          |               |
| 232 | WOMEN                |               | <            |                 |         |          | <        |               |
| 233 | MEN                  |               | <            |                 |         |          | <        |               |
| 234 | JUDGE                |               | <            |                 |         |          | <        |               |
| 235 | STOR.                |               | <            |                 |         |          |          |               |
| 236 | COURT / COUNCIL ROOM |               | <            |                 |         |          | <        |               |
| 237 | STORAGE              |               | <            |                 |         |          | <        |               |
| 238 | VEST.                | <             |              |                 |         |          |          |               |
| 301 | STAIR                | <             |              |                 |         |          |          |               |
| 302 | C.I.S. OFFICE        |               | <            |                 |         |          | <        |               |
| 303 | CITY ENGINEER        |               | <            |                 |         |          | <        |               |
| 304 | ELEV. LOBBY          | <             |              |                 |         |          |          |               |
| 305 | ELEV.                | <             |              |                 |         |          |          |               |
| 306 | PLANNER              |               | <            |                 |         |          | <        |               |
| 307 | BUILDING & CODES     |               | <            |                 |         |          | <        |               |
| 308 | MECH.                | <             |              |                 |         |          |          |               |

| LEGEND                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                         | RECESSED LIGHTING FIXTURE                                                                                                                                            |
|                                                                                                                                                                                                                         | SURFACE, WALL OR PENDENT MTD. LIGHTING FIXTURE                                                                                                                       |
|                                                                                                                                                                                                                         | SURFACE, WALL OR PENDENT MTD. LIGHTING FIXTURE ON EMERGENCY CIRCUIT                                                                                                  |
|                                                                                                                                                                                                                         | RECESSED DOWNLIGHT FIXTURE                                                                                                                                           |
|                                                                                                                                                                                                                         | EXIT SIGN, FIXTURE TYPE "E" (UOI) - FACE & DIRECTIONAL ARROWS AS INDICATED                                                                                           |
|                                                                                                                                                                                                                         | DENOTES FIXTURE TYPE 'A' - SEE FIXTURE SCHEDULE                                                                                                                      |
|                                                                                                                                                                                               | LOW-VOLTAGE SWITCH - MTD. 48" AFF, UOI                                                                                                                               |
|                                                                                                                                                                                               | LOW-VOLTAGE DIMMING SWITCH - MTD. 48" AFF, UOI                                                                                                                       |
|                                                                                                                                                                                               | SPST SWITCH, CENTER MTD. 48" AFF, UOI.                                                                                                                               |
|                                                                                                                                                                                               | SPST SWITCH - CENTER MTD. 48" AFF, UOI.                                                                                                                              |
|                                                                                                                                                                                                                         | LIGHTING ROOM CONTROLLER WITH DIMMING FUNCTIONALITY                                                                                                                  |
|                                                                                                                                                                                                                         | LOW VOLTAGE DAY LIGHT SENSOR                                                                                                                                         |
|                                                                                                                                                                                                                         | LOW VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR                                                                                                                         |
|                                                                                                                                                                                               | DUPLEX RECEPTACLE, MTD. 18" AFF, UOI                                                                                                                                 |
|                                                                                                                                                                                                                         | DUPLEX RECEPTACLE FOR TV - SEE ELECTRICAL FLOOR PLANS FOR MOUNTING HEIGHT                                                                                            |
|                                                                                                                                                                                               | DOUBLE-DUPLEX RECEPTACLE, MTD. 18" AFF, UOI                                                                                                                          |
|                                                                                                                                                                                               | GROUND-FAULT CIRCUIT INTERRUPTER / ARC FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, MTD. 18" AFF, UOI                                                                |
|                                                                                                                                                                                               | GROUND-FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER, MTD. 18" AFF, UOI                                                           |
|                                                                                                                                                                                                                         | SLASH THROUGH DEVICE INDICATES ABOVE COUNTER MOUNTING HEIGHT                                                                                                         |
|                                                                                                                                                                                               | SIMPLEX RECEPTACLE, MTD. 18" AFF, UOI                                                                                                                                |
|                                                                                                                                                                                                                         | IN-GROUND FLOOR BOX FLUSH WITH FINISHED FLOOR. x DENOTES THE TYPE - SEE FOR FLOORBOX SCEDHULE ON SHEET E4.1.                                                         |
|  | DATA RECEPTACLE, MTD. 18" AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE AND ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI  |
|  | PHONE RECEPTACLE, MTD. 18" AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE AND ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI |
|                                                                                      | COMBINATION DATA AND PHONE RECEPTACLE, MTD. 18" AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE - 1 DROP, UOI                                     |
|                  | CARD READER JUNCTION BOX MTD. 40" AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE AND ROUTE 1 DROP BACK TO SERVER ROOM WITH CAT6 CABLE            |
|                                                                                                                                        | ELECTRONIC STRIKE PLATE LOCATED IN DOOR FRAME. RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE                                                               |
|                                                                                                                                                                                                                       | DATA RECEPTACLE, CEILING MTD. ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI.                                                                    |
|                                                                                                                                                                                                                       | DATA RECEPTACLE, CEILING MTD - CAMERA LOCATION. ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI.                                                  |
|                                                                                                                                                                                                                       | JUNCTION BOX                                                                                                                                                         |
|                                                                                                                                                                                                                       | FUSED OR NON-FUSED DISCONNECT SWITCH, LOCKABLE. - SIZE AS INDICATED. NUMBERS INDICATE: DISCONNECT SIZE (FUSE SIZE) - AND NUMBER OF POLES. NF INDICATES NON-FUSES     |
|                                                                                                                                                                                                                       | MOTOR RATED SWITCH - ADJACENT TO EQUIPMENT. SIZE AS REQUIRED.                                                                                                        |
|                                                                                                                                                                                                                       | 120/208V 3PH, 4W PANELBOARD - SEE SINGLE LINE DIAGRAM                                                                                                                |
|                                                                                                                                                                                                                       | TRANSFORMER                                                                                                                                                          |
|                                                                                                                                                                                                                       | WIRE IN CONDUIT RUN OVERHEAD - CONCEALED IN OR ABOVE CEILING                                                                                                         |
|                                                                                                                                                                                                                       | INDICATES GROUNDING CONDUCTOR                                                                                                                                        |
|                                                                                                                                                                                                                       | WIRE IN CONDUIT RUN BELOW GRADE                                                                                                                                      |
|                                                                                                                                                                                                                       | MOUNTED                                                                                                                                                              |
|                                                                                                                                                                                                                       | PENDANT                                                                                                                                                              |
|                                                                                                                                                                                                                       | NEMA-3R RATED ENCLOSURE                                                                                                                                              |
|                                                                                                                                                                                                                       | ABOVE FINISHED FLOOR                                                                                                                                                 |
|                                                                                                                                                                                                                       | ABOVE FINISHED GRADE                                                                                                                                                 |
|                                                                                                                                                                                                                       | BELOW FINISHED GRADE                                                                                                                                                 |
|                                                                                                                                                                                                                       | UNLESS OTHERWISE INDICATED                                                                                                                                           |
|                                                                                                                                                                                                                       | ABOVE COUNTER - COORDINATE WITH ARCHTECTURAL ELEVATIONS PRIOR TO ROUGH-IN.                                                                                           |
|                                                                                                                                                                                                                       | EXISTING                                                                                                                                                             |
|                                                                                                                                                                                                                       | TRANSFORMER                                                                                                                                                          |
|                                                                                                                                                                                                                       | OWNER FURNISHED CONTRACTOR INSTALLED                                                                                                                                 |
|                                                                                                                                                                                                                       | FIRE ALARM SYSTEM - CONTROL PANEL                                                                                                                                    |
|                                                                                                                                                                                                                       | FIRE ALARM SYSTEM - ANNUNCIATOR PANEL                                                                                                                                |
|                                                                                                                                                                                                                       | TYPICAL                                                                                                                                                              |
|                                                                                                                                                                                                                       | ELECTRIC WATER COOLER                                                                                                                                                |
|                                                                                                                                                                                                                       | FIRE ALARM SYSTEM - SMOKE DETECTOR, CEILING MOUNTED                                                                                                                  |
|                                                                                                                                                                                                                       | FIRE ALARM SYSTEM - SMOKE DETECTOR MTD IN DUCT, COORDINATE WITH MECHANICAL CONTRACTOR                                                                                |
|                                                                                                                                                                                                                       | FIRE ALARM SYSTEM - HEAT DETECTOR, CEILING MOUNTED                                                                                                                   |
|                                                                                                                                                                                                                       | FIRE ALARM SYSTEM - SMOKE AND CARBON MONOXIDE COMBINATION DETECTOR WITH 520 HZ SOUNDER BASE, CEILING MOUNTED                                                         |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - MANUAL STATION, MTD. 48" AFF, UOI                                                                                                                |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - COMBINATION AUDIBLE & VISUAL INDICATOR, CEILING MTD                                                                                              |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - COMBINATION AUDIBLE & VISUAL INDICATOR, WALL MTD                                                                                                 |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - VISUAL SIGNAL DEVICE                                                                                                                             |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - TAMPER SWITCH                                                                                                                                    |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - FLOW SWITCH                                                                                                                                      |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - PRESSURE SWITCH                                                                                                                                  |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - POST INDICATOR VALVE - PROVIDE TAMPER SWITCH CONNECTION                                                                                          |
|                                                                                                                                                                                                                     | FIRE ALARM SYSTEM - LOW VOLTAGE FIRE BELL                                                                                                                            |

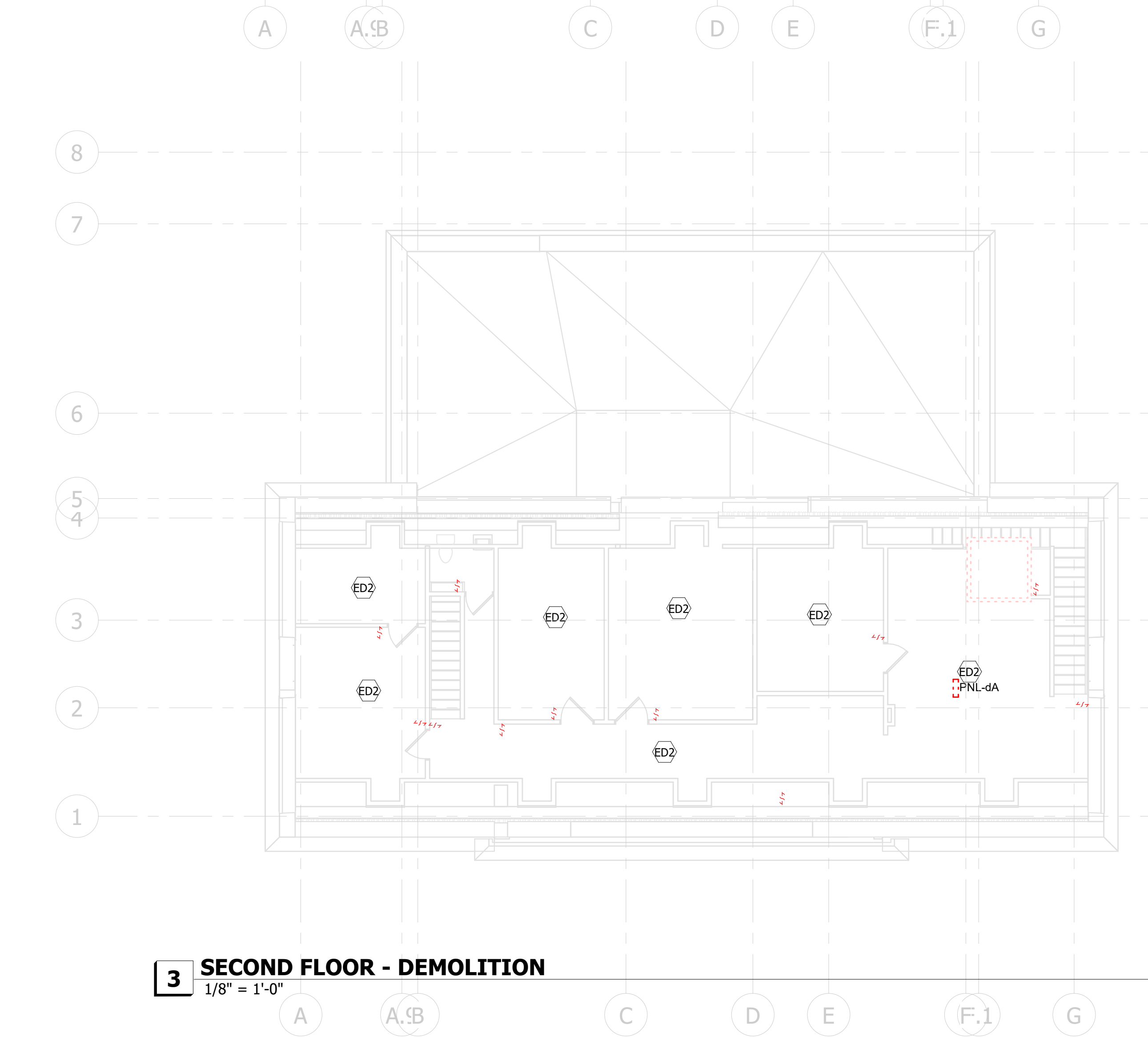
| GENERAL AND DEMOLITION NOTES |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                           | ALL CIRCUITRY (WIRES, CONDUITS, CONTROLS, DISCONNECTS, ETC.) FOR MECHANICAL ITEMS BEING DEMOLISHED SHALL BE DEMOLISHED BACK TO THE PANEL FROM WHICH THEY ARE SERVED, UOI. SEE MECHANICAL DEMOLITION SHEETS FOR EXACT LOCATIONS AND COORDINATE WITH MECHANICAL/CONTROLS CONTRACTOR.                                                                                                                           |
| 2.                           | ALL LOW VOLTAGE WIRING NOT INSTALLED IN CONDUIT SHALL BE PLENUM RATED.                                                                                                                                                                                                                                                                                                                                       |
| 3.                           | ELECTRICAL BOXES ON THE SAME OR OPPOSITE FACES OF THE SAME FIRE-RESISTANT WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES (MINIMUM). FOR INSTANCES IN WHICH THIS 24 INCH SEPARATION CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE FIRE RETARDANT WRAP FOR ELECTRICAL BOXES - ENSURE WALL FIRE RATING IS PROPERLY MAINTAINED.                                                                  |
| 4.                           | ANY NON-FUSED DISCONNECT (REGARDLESS OF WHO PROVIDES IT) SHALL BE SERVED FROM A HACR RATED BREAKER IN THE PANEL IT IS FED FROM.                                                                                                                                                                                                                                                                              |
| 5.                           | ANY DEMOLISHED, MODIFIED OR NEW CIRCUITS SHALL BE CLEARLY RECORDED AT THE PANEL WITH NEW, TYPED DIRECTORIES. SPARE BREAKERS SHALL BE CLEARLY LABELED AS "SPARE". IN ADDITION, CONTRACTOR SHALL LABEL EACH NEW PIECE OF MECHANICAL EQUIPMENT WITH ITS CORRESPONDING CIRCUIT # AND PANEL LOCATION USING A TYPED LABEL (LOCATED WHERE EASILY VISIBLE).                                                          |
| 6.                           | CONTRACTOR SHALL VERIFY THAT ALL NEW MECHANICAL EQUIPMENT INSTALLED HAS A SERVICE RECEPTACLE LOCATED WITHIN 25' OF IT. IF A SERVICE RECEPTACLE DOES NOT EXIST WITHIN 25', CONTRACTOR SHALL PROVIDE A SERVICE RECEPTACLE FOR ALL NEW MECHANICAL EQUIPMENT AS REQUIRED BY ALL APPLICABLE CODES AND CONTRACT SPECIFICATIONS. REQUIREMENTS SHALL BE UNDERSTOOD BY CONTRACTOR CONDUCTING SITE VISIT PRIOR TO BID. |
| 7.                           | CONTRACTOR SHALL INSTALL ALL CIRCUITS IN THE PANELBOARD IN A BALANCED MANNER, RESULTING IN BUS LOADS THAT ARE DISTRIBUTED AS EVEN AS POSSIBLE AND DO NOT EXCEED THE BUS AMP RATING.                                                                                                                                                                                                                          |
| 8.                           | CONTRACTOR SHALL VERIFY EQUIPMENT GROUND IS PRESENT FOR ALL EXISTING CIRCUITS SERVING NEW ITEMS. IF NO GROUND IS PRESENT, CONTRACTOR SHALL UTILIZE EXISTING CONDUITS/RACEWAYS AS EQUIPMENT GROUNDING MEANS. CONTRACTOR SHALL TEST AND VERIFY CONTINUITY OF CONDUITS/RACEWAYS. CONTRACTOR SHALL PROVIDE AND INSTALL GROUNDING CLAMPS AND BONDING JUMPERS AS REQUIRED TO PROVIDE A CONTINUOUS GROUNDING PATH.  |
| 9.                           | CONTRACTOR SHALL ENSURE ALL EXISTING DUCT-MOUNTED SMOKE DETECTORS MAINTAIN PRE-CONSTRUCTION FUNCTIONALITY. EXISTING DUCT DETECTORS INTERLOCKED WITH EQUIPMENT BEING REPLACED SHALL BE INTERLOCKED WITH THE NEW EQUIPMENT AND PROVIDE SIMILAR EQUIPMENT SHUTDOWN. PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED FOR FULLY FUNCTIONAL SYSTEM PER ALL APPLICABLE CODES.                                      |
| 10.                          | CONTRACTOR SHALL PROPERLY SEAL ALL NEW FIRE WALL PENETRATIONS AS REQUIRED PER ALL APPLICABLE CODES.                                                                                                                                                                                                                                                                                                          |
| 11.                          | ALL REQUIRED DOCUMENTATION REGARDING THE DESIGN OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS AND THE PROCEDURES FOR MAINTENANCE, INSPECTION, AND TESTING OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS SHALL BE MAINTAINED AT AN APPROVED, SECURED LOCATION FOR THE LIFE OF THE SYSTEM.                                                                                                       |
| 12.                          | THE FIRE ALARM CONTROL PANEL CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT." THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.                                                                                                        |
| 13.                          | ALL ELECTRICAL SUBMITTALS SHALL BE ON LOCAL MANUFACTURER'S LETTERHEAD.                                                                                                                                                                                                                                                                                                                                       |

| GENERAL PROVISIONS, ELECTRICAL                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONTRACTOR'S RESPONSIBILITY                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.                                                                                    | CONTRACTOR AGREES TO ASSUME RESPONSIBILITY FOR LIABILITY, WORKMANSHIP, AND QUALITY OF MATERIALS CONCERNING WORK SUBLET TO OTHERS. ALL WORK SHALL BE INSTALLED UNDER THE CONSTANT SUPERVISION OF A QUALIFIED SUPERINTENDENT AND BY SKILLED AND QUALIFIED ELECTRICIANS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2.                                                                                    | DRAWINGS ARE GENERALLY ORGANIZED BY DISCIPLINE FOR CONVENIENCE. CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL DEVICES, EQUIPMENT, LABOR, ECT SHOWN WITHIN THE CONTRACT DOCUMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CODES AND FEES                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3.                                                                                    | ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LOCAL CODES, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.                                                                                    | ALL ELECTRICAL MATERIALS SHALL HAVE UNDERWRITERS' APPROVAL WHERE APPLICABLE, AND SHALL BE SO LABELED WHERE UL LABELING IS CUSTOMARY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5.                                                                                    | ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO APPLICABLE NEMA STANDARDS WHETHER SPECIFIED HEREINAFTER OR NOT, AND TO OTHER APPLICABLE STANDARDS WHICH MAY BE SPECIFIED HEREINAFTER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 6.                                                                                    | THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCAL PERMITS, PAYMENT OF FEES AND NOTIFICATION FOR INSPECTION BY CODE AUTHORITIES CONSISTENT WITH THE SCHEDULE OF WORK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ACCURACY OF DATA AND DRAWINGS                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 7.                                                                                    | DRAWINGS AND DATA: ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC, AND WHERE NOT DIMENSIONED OR DETAILED, INDICATE APPROXIMATE LOCATIONS AND GENERAL ARRANGEMENTS OF ELECTRICAL WORK. ALL ELECTRICAL WORK OFFSETS, RISES, AND FITTINGS ARE NOT NECESSARILY SHOWN; HOWEVER, PROVIDE THESE AS REQUIRED BY THE CONDITIONS INVOLVED.                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.                                                                                    | BUILDING AND STRUCTURE DIMENSIONS: TAKE THESE FROM ARCHITECTURAL AND STRUCTURAL DRAWINGS AND FROM ACTUAL MEASUREMENTS MADE BY ELECTRICAL SECTION OF EACH EXISTING BUILDING AND EACH EXISTING STRUCTURE INVOLVED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 9.                                                                                    | EQUIPMENT NOT FURNISHED BY ELECTRICAL SECTION BUT REQUIRING ELECTRICAL CONNECTIONS FROM OTHER SECTIONS AND OTHERS FURNISHING THIS EQUIPMENT, DETERMINE EXACT ELECTRICAL CONNECTION REQUIREMENTS THEREFORE. LOCATIONS AND ARRANGEMENTS OF ELECTRICAL CONNECTIONS INDICATED FOR THIS EQUIPMENT ARE APPROXIMATE ONLY.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EQUIPMENT LISTS, SHOP DRAWINGS, SAMPLES AND SUBMITTALS                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 10.                                                                                   | SUBMIT UNDER PROVISIONS OF GENERAL CONDITIONS AND ADMINISTRATIVE REQUIREMENTS AS DEFINED BY FRONT END SPECIFICATIONS PROVIDED BY ARCHITECT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11.                                                                                   | SUBMISSION MATERIAL AND ALL SHOP DRAWINGS FOR THE VARIOUS ITEMS OF EQUIPMENT SHALL BE MARKED WITH THE RESPECTIVE MARK NUMBER OR IDENTIFICATION OF THE EQUIPMENT SHOWN ON THE DRAWINGS OR SPECIFIED. THE SHOP DRAWINGS SHALL LIST ALL RATINGS, CAPACITIES, ACCESSORIES, AND OTHER PERTINENT DATA TO SHOW THAT THE PROPOSED ITEM IS AS CALLED FOR AND AS SPECIFIED.                                                                                                                                                                                                                                                                                                                                                                      |
| QUALITY CONTROL                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 12.                                                                                   | COMPLY WITH SECTION 00700 GENERAL CONDITIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 13.                                                                                   | QUALIFICATIONS: WHERE SPECIFIC QUALIFICATIONS ARE SPECIFIED IN INDIVIDUAL SPECIFICATION SECTION, PROVIDE REQUIRED DATA WITH SUBCONTRACTOR LIST.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GUARANTEE                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 14.                                                                                   | COMPLY WITH REQUIREMENTS OF ARCHITECT'S GENERAL CONDITIONS, AT A MINIMUM GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EQUIPMENT INSTALLATION                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 15.                                                                                   | INSTALL ALL EQUIPMENT IN ACCORDANCE WITH APPLICABLE MANUFACTURER'S DRAWINGS AND RECOMMENDATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 16.                                                                                   | IDENTIFICATION OF CIRCUITS AND EQUIPMENT: IDENTIFICATION DESIGNATIONS SHALL CORRESPOND TO THOSE INDICATED ON ELECTRICAL DRAWINGS AND AS SPECIFIED IN CORRESPONDING ARTICLES DESCRIBING THE EQUIPMENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ALTERATIONS AND ADDITIONS TO EXISTING ELECTRICAL WORK                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 17.                                                                                   | MAKE ALTERATIONS AND ADDITIONS TO EXISTING ELECTRICAL WORK AS INDICATED, AND AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND TO CLEAR ALL INTERFERENCES THEREWITH. THIS INCLUDES DISCONNECTING, REMOVING, RELOCATING, REROUTING, EXTENDING, REWORKING, RECONNECTING, OR OTHERWISE ALTERING EXISTING ELECTRICAL WORK AS REQUIRED, WHETHER INDICATED ON THE DRAWINGS OR NOT.                                                                                                                                                                                                                                                                                                                                                             |
| 18.                                                                                   | REMOVE ALL ACCESSIBLE EXISTING ABOVE GROUND CONDUITS AND ALL OTHER ACCESSIBLE EXISTING ELECTRICAL ITEMS WHICH ARE NOT REQUIRED FOR OPERATION OF THE COMPLETED PROJECT; AND REMOVE ALL CONDUCTORS FORM INACCESSIBLE EXISTING CONDUITS WHICH ARE NOT REQUIRED FOR OPERATION OF THE COMPLETED PROJECT; ALL UNLESS OTHERWISE INDICATED OR OTHERWISE APPROVED.                                                                                                                                                                                                                                                                                                                                                                              |
| CONTINUITY OF EXISTING ELECTRICAL SERVICE, AND SALVAGED EXISTING ELECTRICAL MATERIALS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 19.                                                                                   | ARRANGE ALL ELECTRICAL WORK TO INTERFERE AS LITTLE AS POSSIBLE WITH OWNER'S NORMAL OPERATIONS. DO NOT INTERRUPT EXISTING ELECTRICAL SERVICE AT ANY TIME WITHOUT OWNER'S PRIOR APPROVAL. AFTER AN ELECTRICAL SERVICE INTERRUPTION HAS BEEN MADE, MAKE ALL NECESSARY CONNECTIONS AND ALTERATIONS, AND RESTORE ELECTRICAL SERVICE AS QUICKLY AS POSSIBLE. AT NO EXTRA COST TO OWNER, PROVIDE TEMPORARY ELECTRICAL CONNECTIONS AND OTHER ELECTRICAL WORK AS REQUIRED TO MAINTAIN CONTINUITY OF ELECTRICAL SERVICE.                                                                                                                                                                                                                         |
| 20.                                                                                   | PROMPTLY HULL AWAY FROM OWNER'S PREMISES ALL ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT WHICH ARE REMOVED FROM EXISTING ELECTRICAL SYSTEM AND ARE NEITHER INDICATED NOT REQUIRED TO BE REUSED IN THE COMPLETED PROJECT, EXCEPT AS OTHERWISE SPECIFIED BELOW. OWNER MAY SELECT CERTAIN REMOVED EXISTING ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT AND RETAIN THEM FOR HIS FUTURE USE. BEFORE REMOVING ANY EXISTING ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT, DETERMINE FROM OWNER WHICH OF THESE MATERIALS AND EQUIPMENT (IF ANY) HE DESIRES TO RETAIN. REMOVE ALL OWNER-SELECTED ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT WITHOUT UNNECESSARY DAMAGE THERETO, AND SAFELY STORE THEM AT LOCATIONS DESIGNATED BY OWNER. |
| TEMPORARY LIGHTS AND POWER                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 21.                                                                                   | PROVIDE TEMPORARY LIGHTS AND POWER. LIGHTS SHALL BE ONE PIGTAIL SOCKET AND 150W LAMP OR EQUIVALENT FOR EACH 500 SF BUILDING SPACE. MINIMUM ONE PER ROOM. POWER OUTLETS SHALL BE PROVIDED AS COORDINATED WITH CONSTRUCTION. EXISTING LIGHTING MAY BE USED AS TEMPORARY LIGHTING EXCEPT WHERE FIXTURES ARE INDICATED ON PLANS TO BE REINSTALLED.                                                                                                                                                                                                                                                                                                                                                                                         |
| TEST, INSPECTIONS, ADJUSTMENTS, AND CLEANUP                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 22.                                                                                   | MAKE INSULATION TESTS WITH A "MEGGER", DEMONSTRATE THAT NEITHER SHORT CIRCUITS NOR GROUND FAULTS EXIST, AND THAT WIRING COMPLIES WITH NEC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 23.                                                                                   | FURNISH SUITABLE TESTING EQUIPMENT, GIVE THE ENGINEER AND ALL APPLICABLE AUTHORITIES AMPLE ADVANCE NOTICE OF ALL PROPOSED TESTS AND READINESS OF WORK FOR INSPECTIONS, AND CONDUCT EACH TEST IN THEIR PRESENCE, AS APPROVED. DO NOT CONCEAL ELECTRICAL WORK UNTIL ALL NECESSARY INSPECTIONS HAVE BEEN MADE AND ALL REQUIRED TESTS HAVE                                                                                                                                                                                                                                                                                                                                                                                                 |

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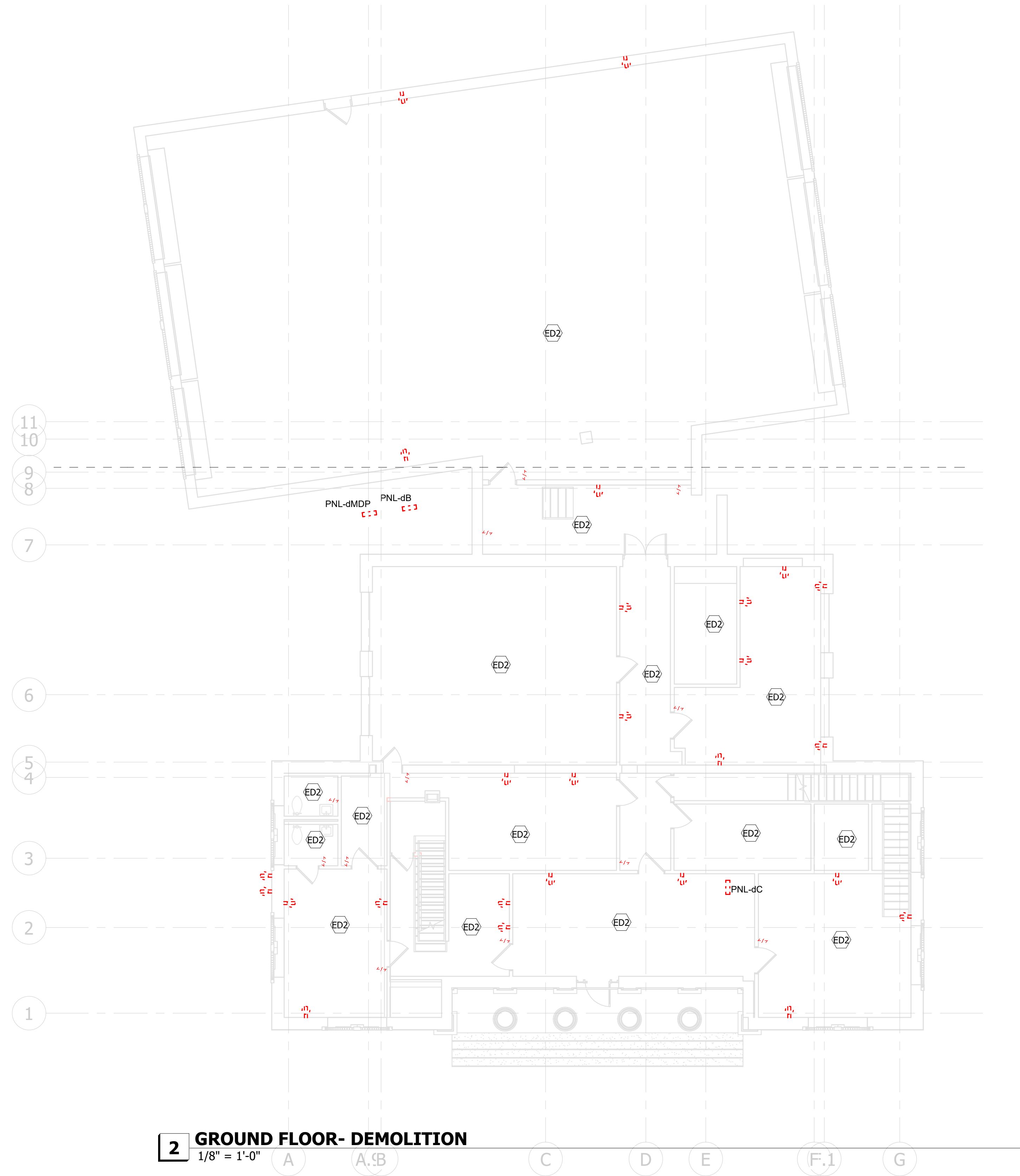


**1 BASEMENT - DEMOLITION**  
1/8" = 1'-0"



**3 SECOND FLOOR - DEMOLITION**  
1/8" = 1'-0"

| KEYNOTE LEGEND |                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ED1            | DEMOLISH GENERATOR, TRANSFER SWITCH, AND WIRING.                                                                                                                                                                    |
| ED2            | DEMOLISH ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES AND WIRING. PATCH AND PAINT PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ALL EXISTING RECEPTACLES SHALL REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION. |



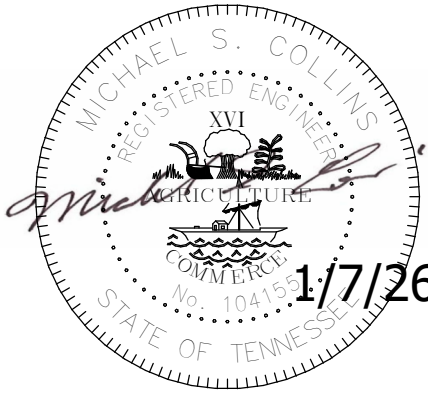
**2 GROUND FLOOR- DEMOLITION**  
1/8" = 1'-0"



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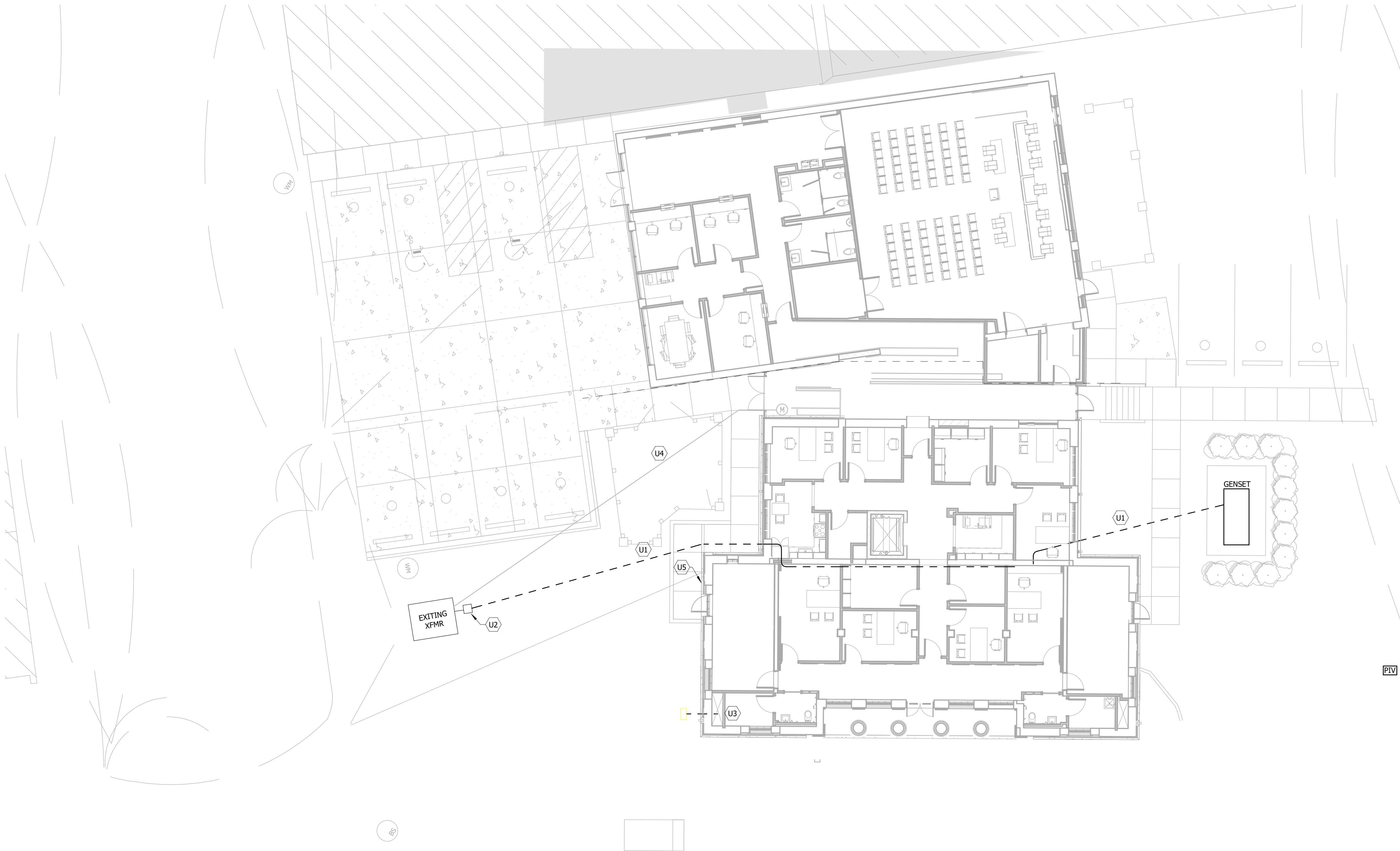
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ELECTRICAL DEMOLITION PLAN

JOB NO: 63492      DRAWN: Author  
DATE: 01.07.2026      CONSTRUCTION DOCUMENTS

ED1.1

Plotted on: 2/9/2026 11:15:50 AM



**1 SITE ELECTRICAL PLAN - PHASE 1**

1" = 10'-0"

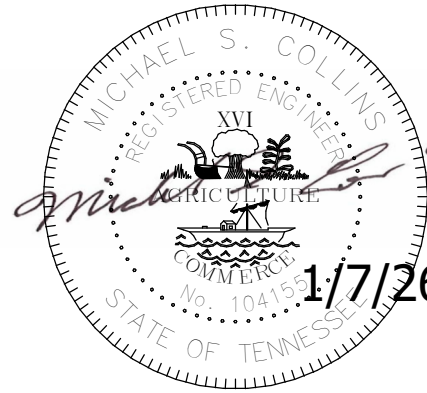
| KEYNOTE LEGEND |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| U1             | SEE RISER DIAGRAM ON SHEET E7.2 FOR CONDUIT AND WIRE SIZE.                                                            |
| U2             | CT ENCLOSURE AND METER RACK.                                                                                          |
| U3             | SEE SHEET E4.1 - FLOOR PLAN POWER FOR RADIO CONDUIT AND BOX DETAILS.                                                  |
| U4             | EXISTING SERVICE AND METER SHALL BE DEMOLISHED.                                                                       |
| U5             | APPROXIMATE LOCATION OF EXISTING FIBER INTERNET SERVICE ENTERANCE. REWORK AND REROUTE 2" CONDUIT BACK TO SERVER ROOM. |



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**ELECTRICAL SITE PLAN**

JOB NO: 63492      DRAWN: JEB  
DATE: 01.07.2026      CONSTRUCTION DOCUMENTS

**E1.1**

LIGHTING SCHEDULE NOTES

1. ARCHITECT TO DETERMINE TRIM & FINISH
2. ARCHITECT TO CONFIRM ALL MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. NOT USED
4. ALL FIXTURE SELECTIONS SHALL BE FURNISHED AS SPECIFIED.

FOR ALL PRICING INFORMATION, PLEASE CONTACT CONNER PERKINS AT PERKINS-EVERTT LIGHTING AND CONTROLS AT (901) 619-0330

- LIGHTING SCHEDULE NOTES
1. ARCHITECT TO DETERMINE TRIM & FINISH
  2. ARCHITECT TO CONFIRM ALL MOUNTING HEIGHTS PRIOR TO INSTALLATION.
  3. NOT USED
  4. ALL FIXTURE SELECTIONS SHALL BE FURNISHED AS SPECIFIED.
- FOR ALL PRICING INFORMATION, PLEASE CONTACT CONNER PERKINS AT PERKINS-EVERTT LIGHTING AND CONTROLS AT (901) 619-0330

1. SOME LIGHTING CONTROL DEVICES MAY BE SHOWN; THIS IS TO COMMUNICATE INTENDED LOCATIONS, ZONING, ETC. THERE MAY BE ADDITIONAL LIGHTING CONTROL DEVICES REQUIRED, BUT NOT SHOWN - SEE SEQUENCE OF OPERATIONS (SOO) ON SHEET EG.1 FOR MORE DETAILS. THE DESIGN INTENT IS FOR THE INFORMATION ON THIS SHEET AND IN THE SOO TO BE USED TOGETHER TO PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM ADHERING TO IECC 2018.

| COLOR                                                                               |                                                                                     | WALL TYPE      | PATTERN                                                                             | FIRE RESISTANCE RATING |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|------------------------|
| EXISTING                                                                            | NEW                                                                                 |                |                                                                                     |                        |
|  |  | FIRE PARTITION |  | 30 MIN.                |
|  |  | FIRE BARRIER   |  | 1 HOUR                 |
|  |  | FIRE WALL      |  | 2 HOUR                 |
|                                                                                     |                                                                                     |                |  | 3 HOUR                 |
|                                                                                     |                                                                                     |                |  | 4 HOUR                 |

### SMOKE RATING LEGEND

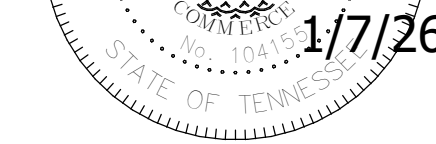
| EXISTING                                                                            | NEW                                                                                 | WALL TYPE       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
|  |  | SMOKE PARTITION |
|  |  | SMOKE BARRIER   |

## KEYNOTE LEGEND



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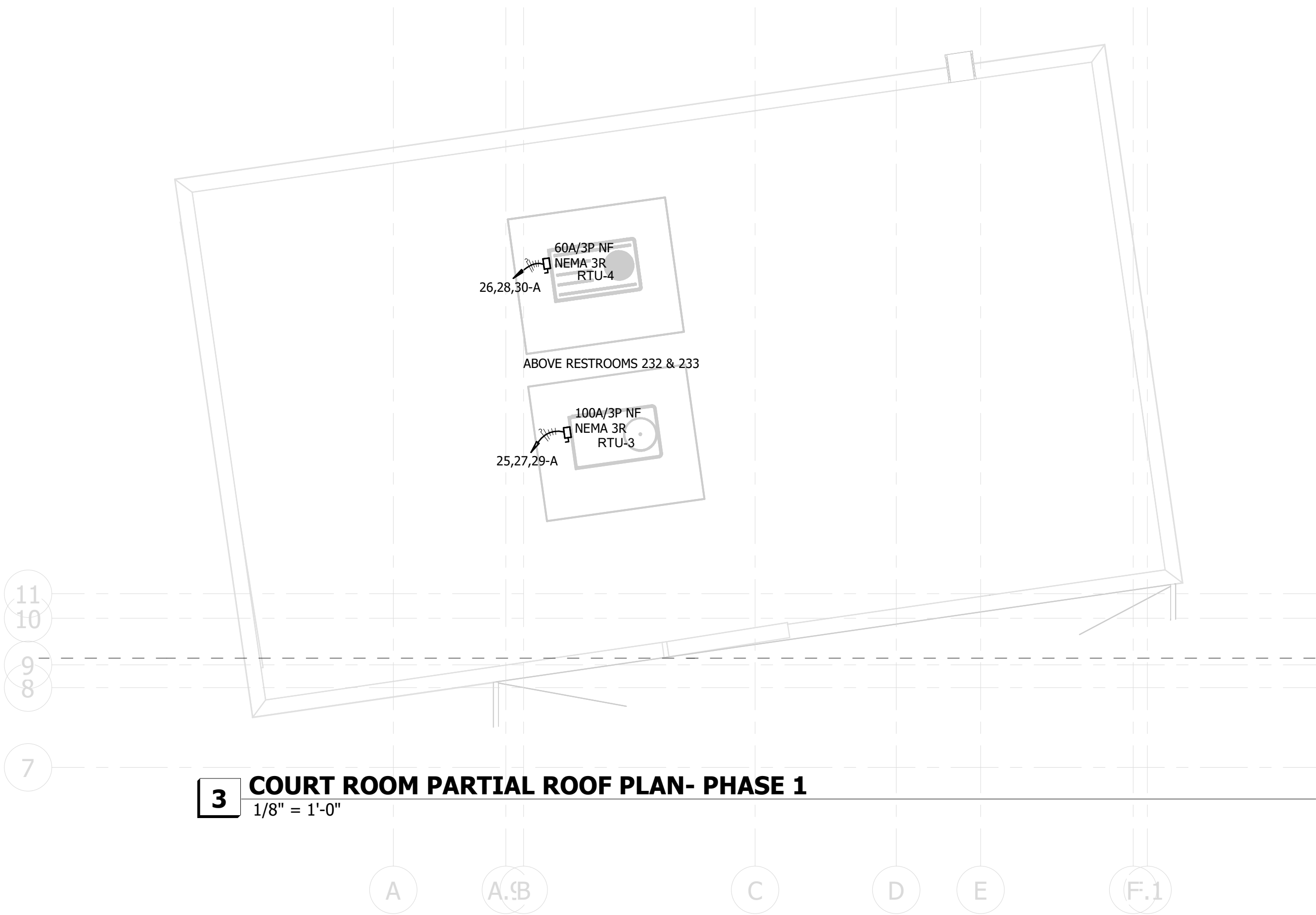
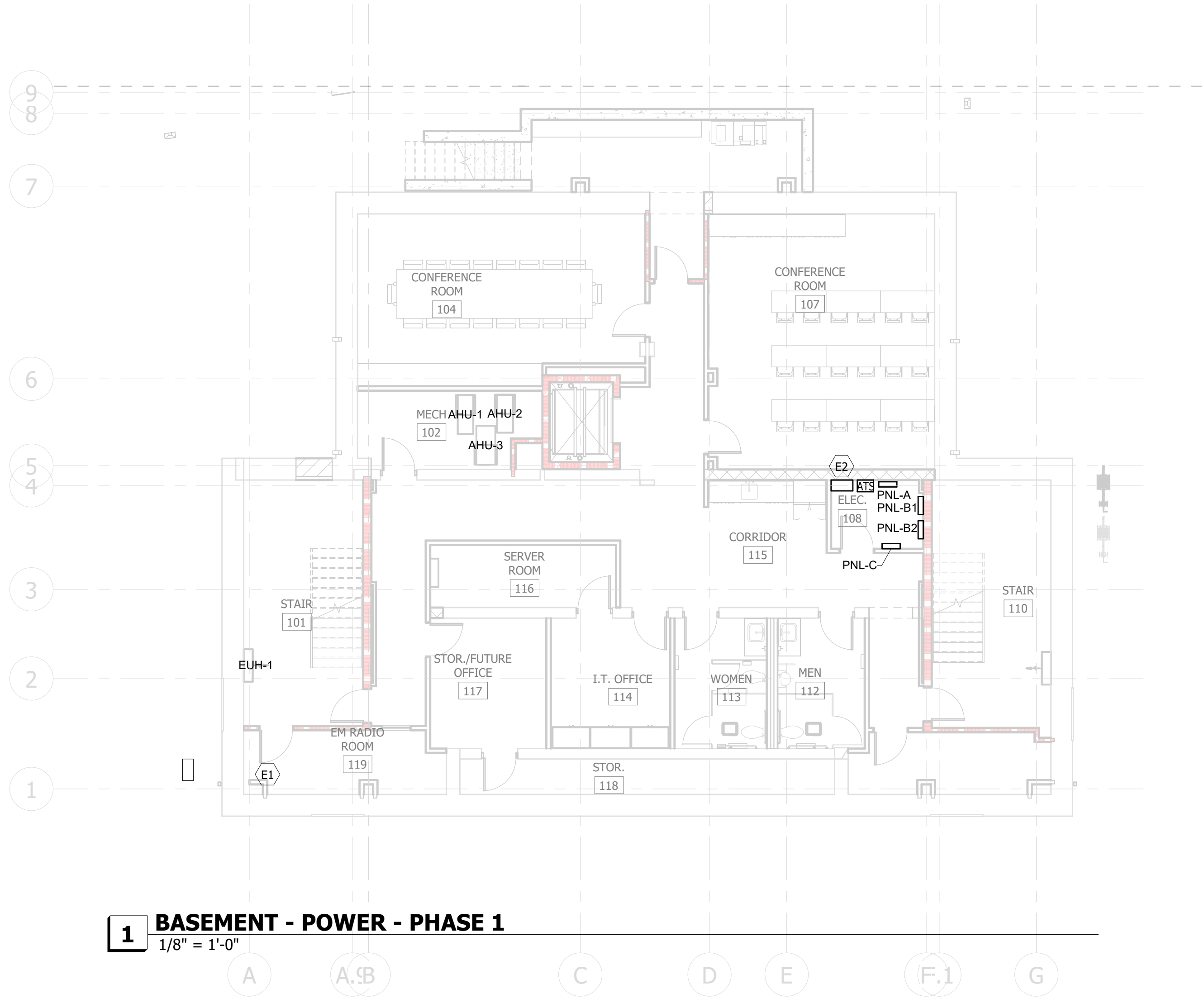
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## E2.1

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| FIRE RATING LEGEND                                                                                                                                                                                                                                                                                                    |     |                |                 |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|-----------------|------------------------|
| COLOR                                                                                                                                                                                                                                                                                                                 |     | WALL TYPE      | PATTERN         | FIRE RESISTANCE RATING |
| EXISTING                                                                                                                                                                                                                                                                                                              | NEW |                |                 |                        |
|                                                                                                                                                                                                                                                                                                                       |     | FIRE PARTITION |                 | 30 MIN.                |
|                                                                                                                                                                                                                                                                                                                       |     | FIRE BARRIER   |                 | 1 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |     | FIRE WALL      |                 | 2 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |     |                |                 | 3 HOUR                 |
|                                                                                                                                                                                                                                                                                                                       |     |                |                 | 4 HOUR                 |
| FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND. WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT. |     |                |                 |                        |
| SMOKE RATING LEGEND                                                                                                                                                                                                                                                                                                   |     |                |                 |                        |
| EXISTING                                                                                                                                                                                                                                                                                                              |     | NEW            | WALL TYPE       |                        |
|                                                                                                                                                                                                                                                                                                                       |     |                |                 |                        |
|                                                                                                                                                                                                                                                                                                                       |     |                | SMOKE PARTITION |                        |
|                                                                                                                                                                                                                                                                                                                       |     |                | SMOKE BARRIER   |                        |

| KEYNOTE LEGEND |                                                                                                                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E1             | PROVIDE (6) - 4" C. IN A 2X3 ARRANGEMENT ROUTED FROM BROADCAST EQUIPMENT ROOM TO EXTERIOR PULLBOX. BURY A MINIMUM OF 18" BELOW FINISHED GRADE. PROVIDE QUIAZITE H20 ASSEMBLY 13"x24"x18" WITH BOX EXTENSION |
| E2             | PROVIDE 2'X2'x1" JUNCTION BOX MOUNTED DIRECTLY TO OVERHEAD STRUCTURE.                                                                                                                                       |
| E6             | PROVIDE IN-FLOOR DUCT FROM COURT ROOM FLOOR BOXES TO STORAGE ROOM. ROUTE DUCT UP WALL 3' AFF IN STORAGE ROOM.                                                                                               |

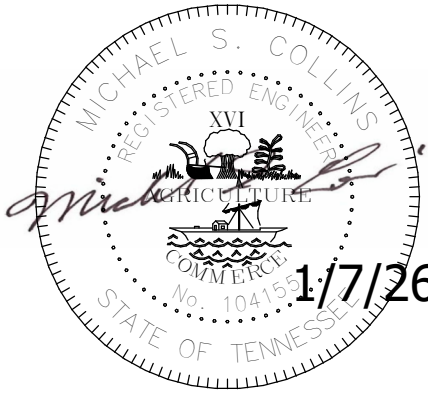
| FLOOR BOX SCHEDULE |                      |                |                   |
|--------------------|----------------------|----------------|-------------------|
| NAME               | MODEL #              | POWER          | DATA              |
| FB1                | LEGRAND RF8A4R300G   | (2) DUPLEX REC | 4 RJ45 DATA DROPS |
| FB2                | LEGRAND INFLOOR DUCT | (2) DUPLEX REC | 4 RJ45 DATA DROPS |



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FLOOR PLAN - POWER - PHASE 1

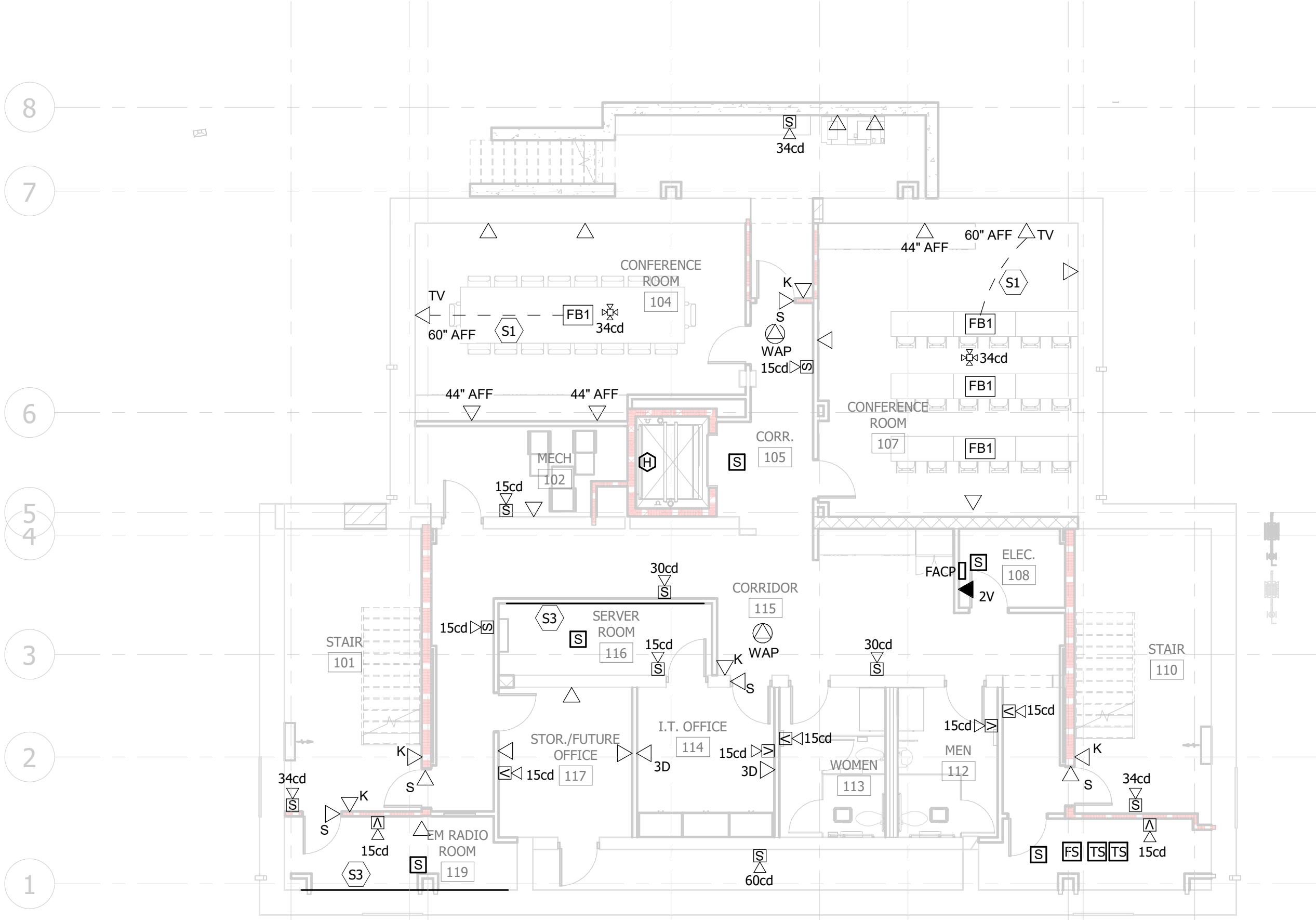
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E3.1

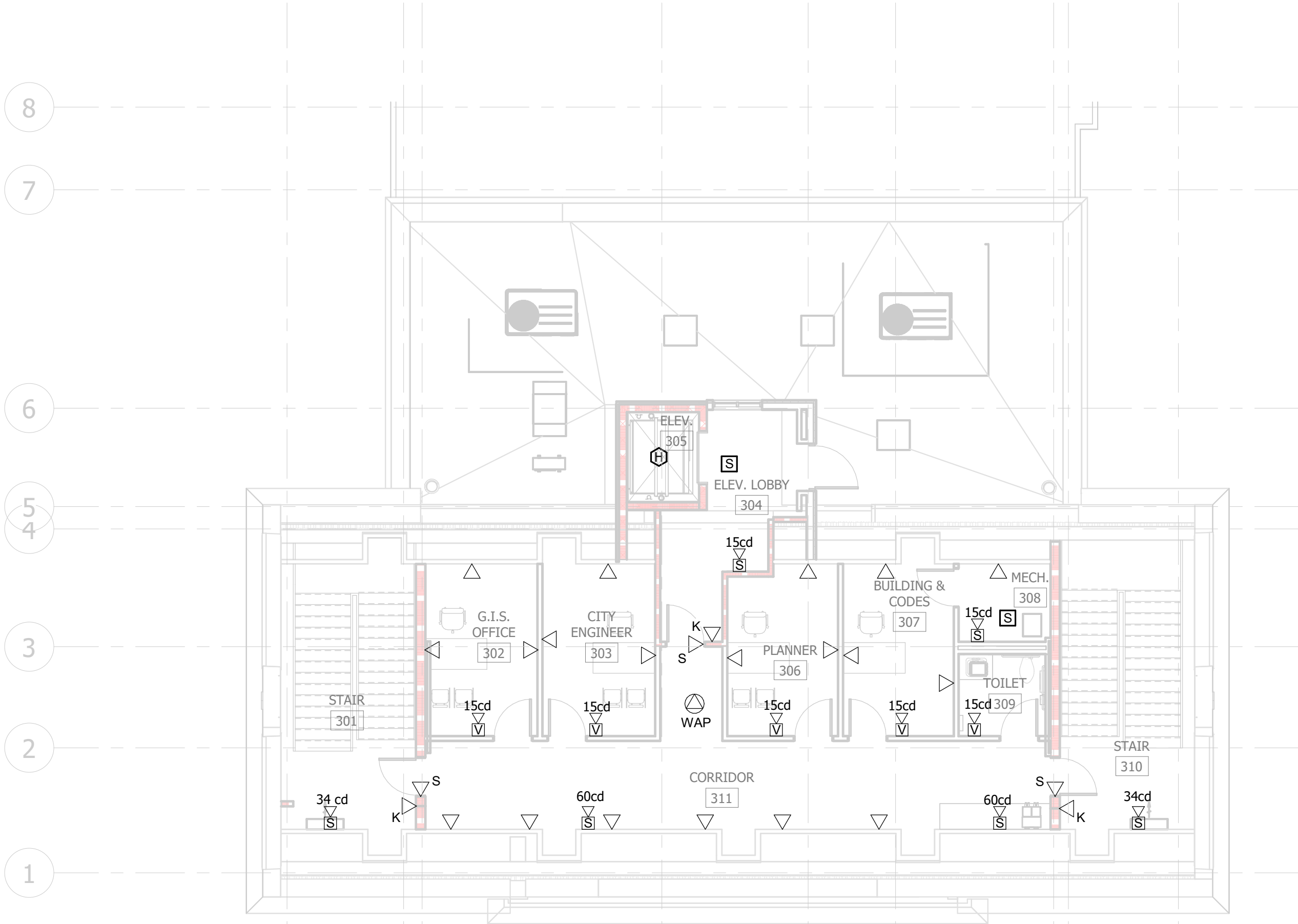


## E3.2

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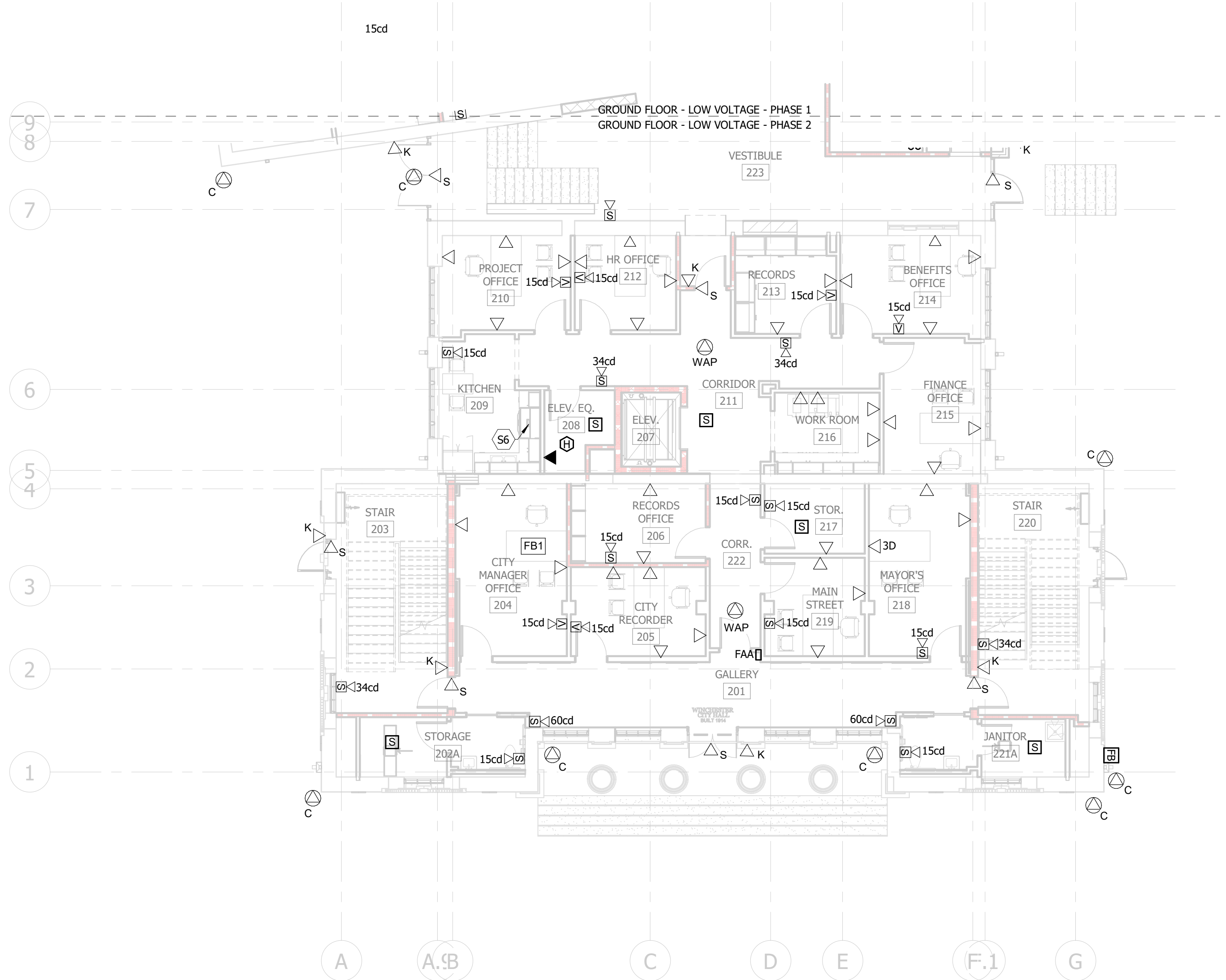
**1 BASEMENT - LOW VOLTAGE - PHASE 1 & 2**  
1/8" = 1'-0"



**2 SECOND FLOOR - LOW VOLTAGE - PHASE 2**  
1/8" = 1'-0"

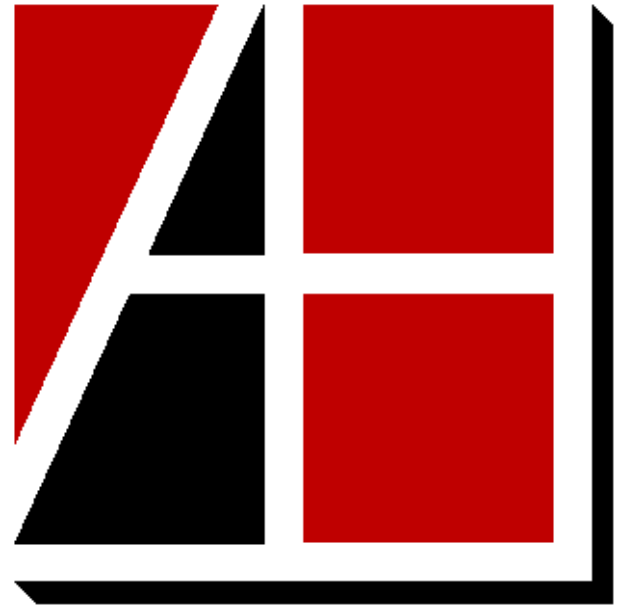


**3 GROUND FLOOR - LOW VOLTAGE - PHASE 1**  
1/8" = 1'-0"



**4 GROUND FLOOR - LOW VOLTAGE - PHASE 2**  
1/8" = 1'-0"

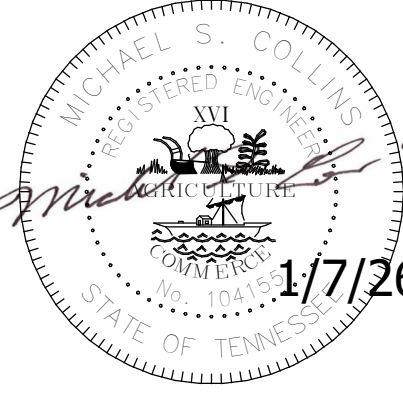
| KEYNOTE LEGEND |                                                                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S1             | PROVIDE 1-1/4" CONDUIT AND PULL STRING FROM FLOORBOX TO JUNCTION BOX FOR FUTURE HDMI CABLE                                                                                                        |
| S2             | PROVIDE (2) 3" CONDUIT FROM A.V. CLOSET BACK TO SERVER ROOM                                                                                                                                       |
| S3             | PROVIDE 3/4" PLYWOOD BACKBOARD FOR I.T. EQUIPMENT                                                                                                                                                 |
| S4             | PROTECT FIBER ROUTED FROM CITY HALL TO THE ANNEX BUILDING                                                                                                                                         |
| S5             | MOUNT DUCT DETECTOR ABOVE CEILING IN SUPPLY DUCT, CONNECT TO FIRE ALARM SYSTEM. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR. UPON ACTIVATION OF DUCT DETECTOR, SHUTDOWN MECHANICAL UNIT. |
| S6             | CONNECT KITCHEN HOOD TO FIRE ALARM SYSTEM. UPON ACTIVATION OF HOOD SUPPRESSION SYSTEM ACTIVATES BUILDINGS FIRE ALARM SYSTEM.                                                                      |



**Allen & Hoshall**  
engineers • architects • surveyors

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## WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
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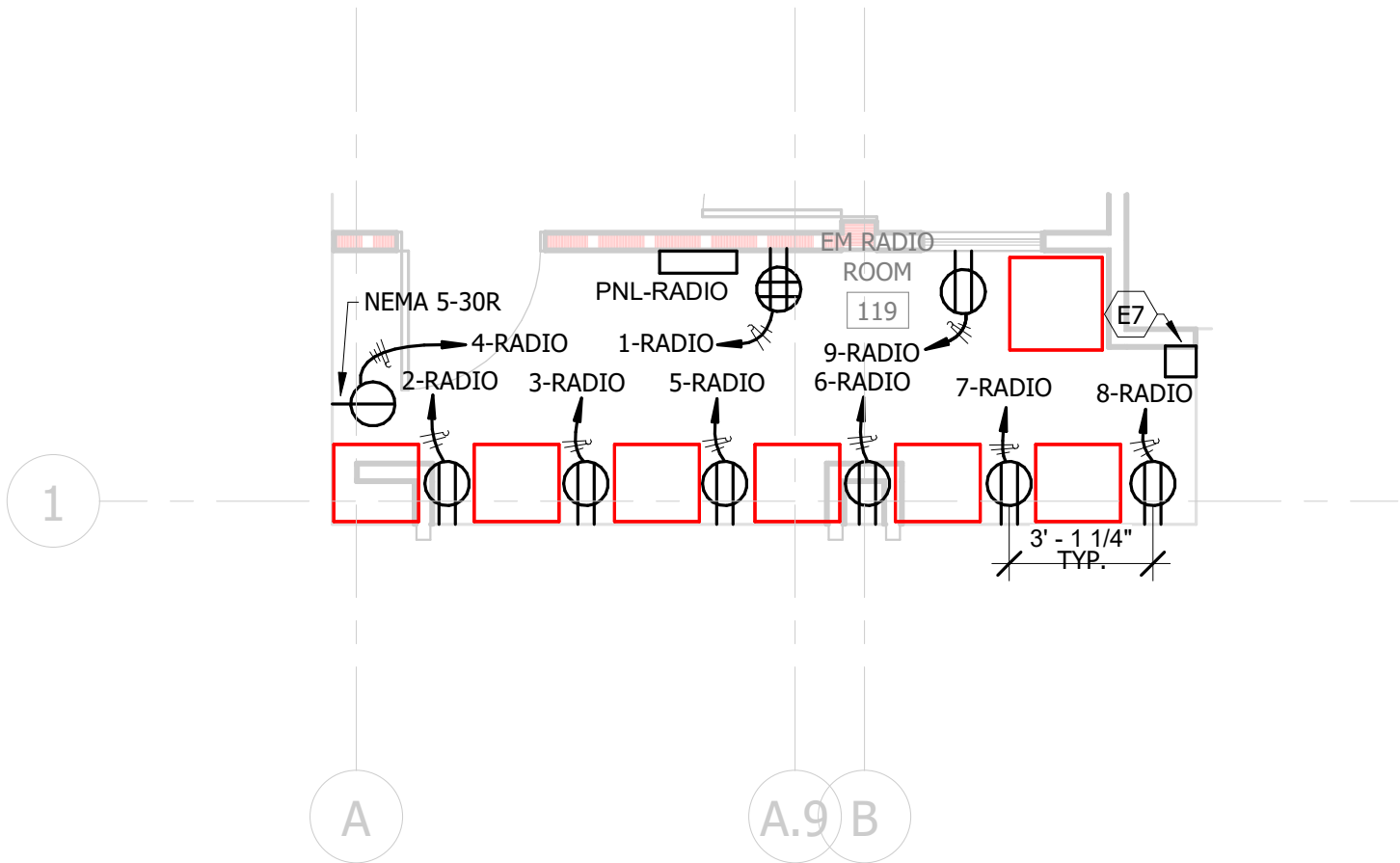
## SYSTEMS PLAN

JOB NO: 63492 DRAWN: JEB  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

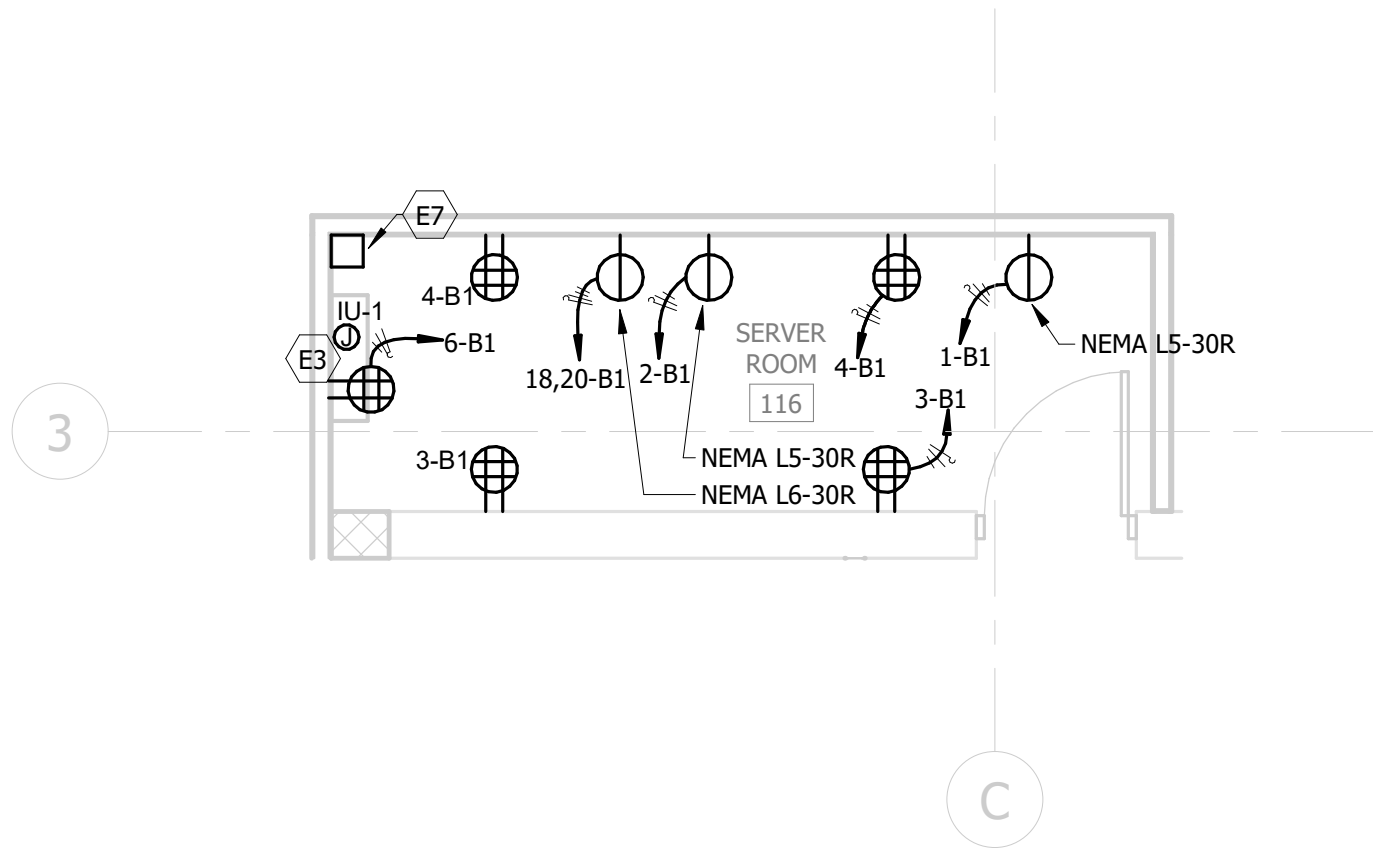
E4.1

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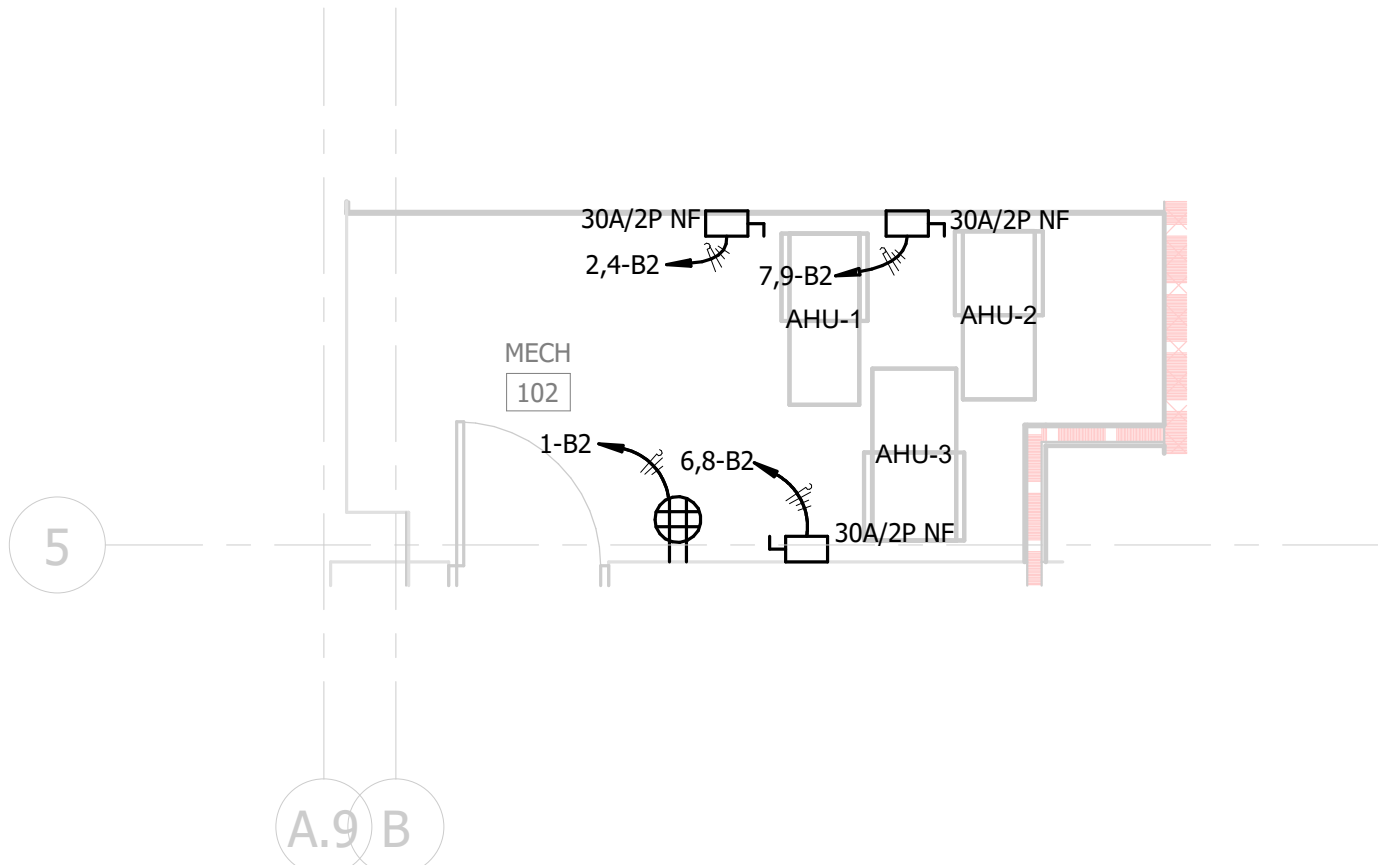
| KEYNOTE LEGEND |                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| E3             | PROVIDE 4#12 IN 3/4" CONDUIT FROM OU-1 TO IU-1.                                                                                                      |
| E7             | PROVIDE EQUIPMENT GROUNDING BAR AS SHOWN IN DETAIL 5 ON SHEET E6.1. ROUTE 6 GAUGE GROUND WIRE WITH GREEN INSULATION BACK TO PANEL A GROUNDING BLOCK. |



**1 STORAGE ROOM 119 - PHASE 2 - ENLARGED VIEW**  
1/4" = 1'-0"



**2 SERVER ROOM 116 - PHASE 2 - ENLARGED VIEW**  
1/4" = 1'-0"



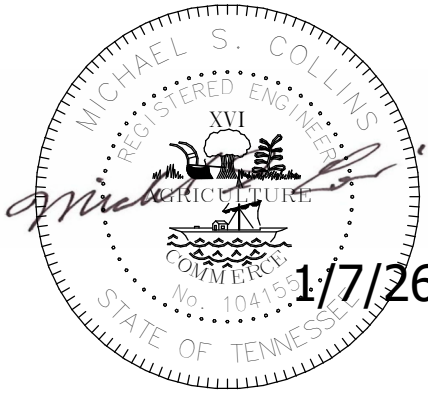
**3 MECH ROOM 102 - PHASE 2 - ENLARGED VIEW**  
1/4" = 1'-0"



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## WINCHESTER CITY HALL

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## ENLARGED VIEWS

JOB NO: 63492      DRAWN:Author  
DATE: 01.07.2026      CONSTRUCTION DOCUMENTS

E5.1

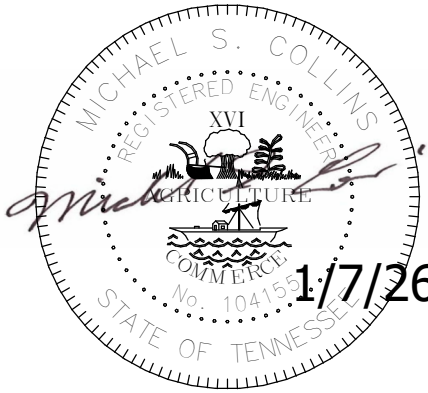
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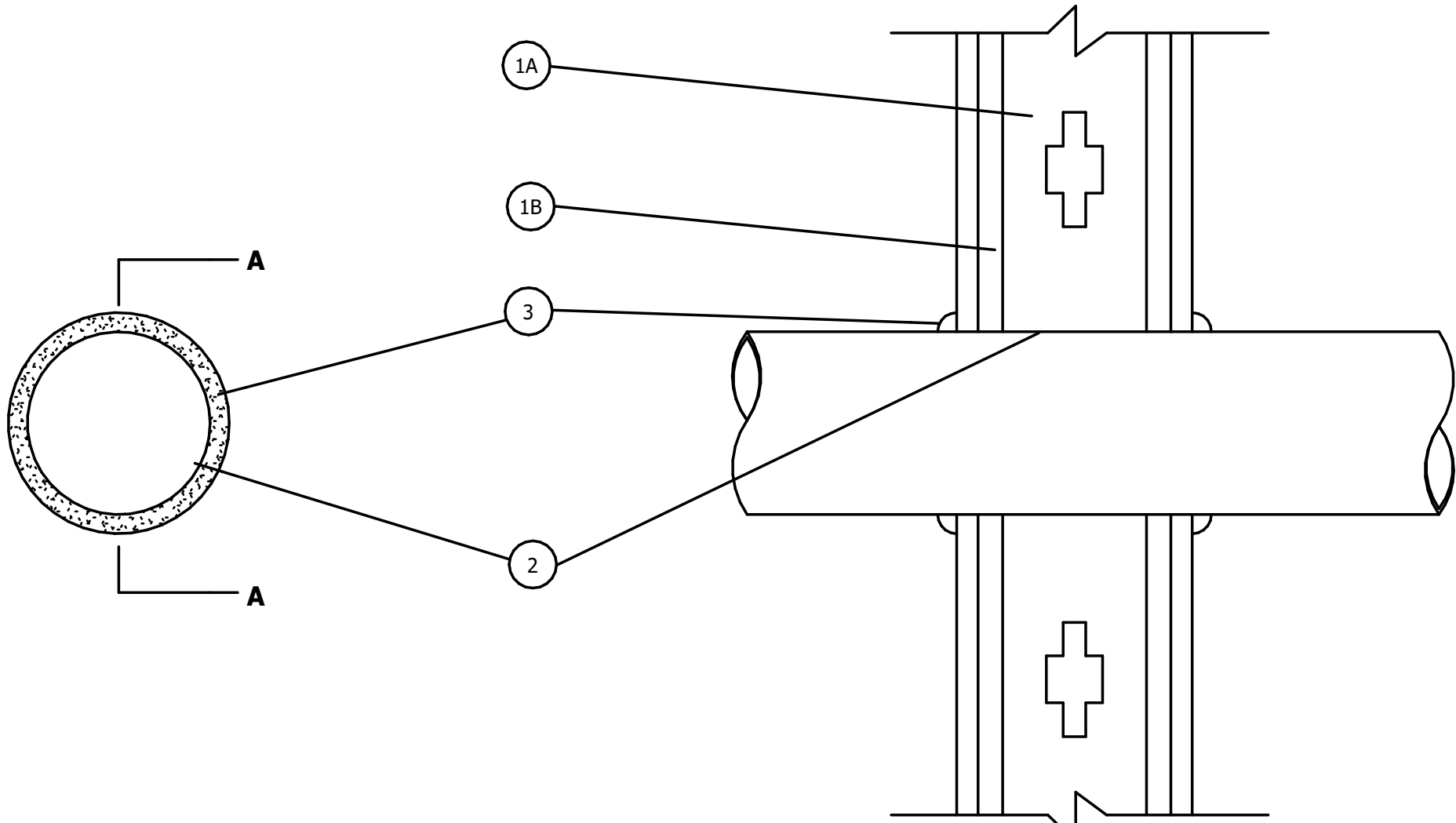


**System No. W-L-1166**

June 15, 2005

F Rating - 1 and 2 Hr (See Item 1B)

T Rating - 0 Hr



**SECTION A-A**

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:  
A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN. 3-1/2 IN. WIDE AND SPACED MAX. 24 IN. OC.  
B. GYPSUM BOARD\* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIAM. OF OPENING IS 5 IN.
2. THROUGH - PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX. 1/8 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED"  
A. COPPER TUBING - NOM. 4 IN. DIAM. (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.  
B. COPPER PIPE - NOM. 4 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.  
C. STEEL PIPE - 4 IN. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.  
D. CONDUIT - NOM. 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT.  
E. IRON PIPE - NOM. 4 IN. DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

3. FILL, VOID OR CAVITY MATERIALS\* - CAULK, SEALANT OR PUTTY - MIN. 1/2 IN. DIAMETER BEAD OF CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRANT ON THE WALL SURFACES ON BOTH SIDES OF THE WALL.

3M COMPANY - CP 25WB+CAULK, MP5-2+PUTTY, OR FB-3000 WT SEALANT

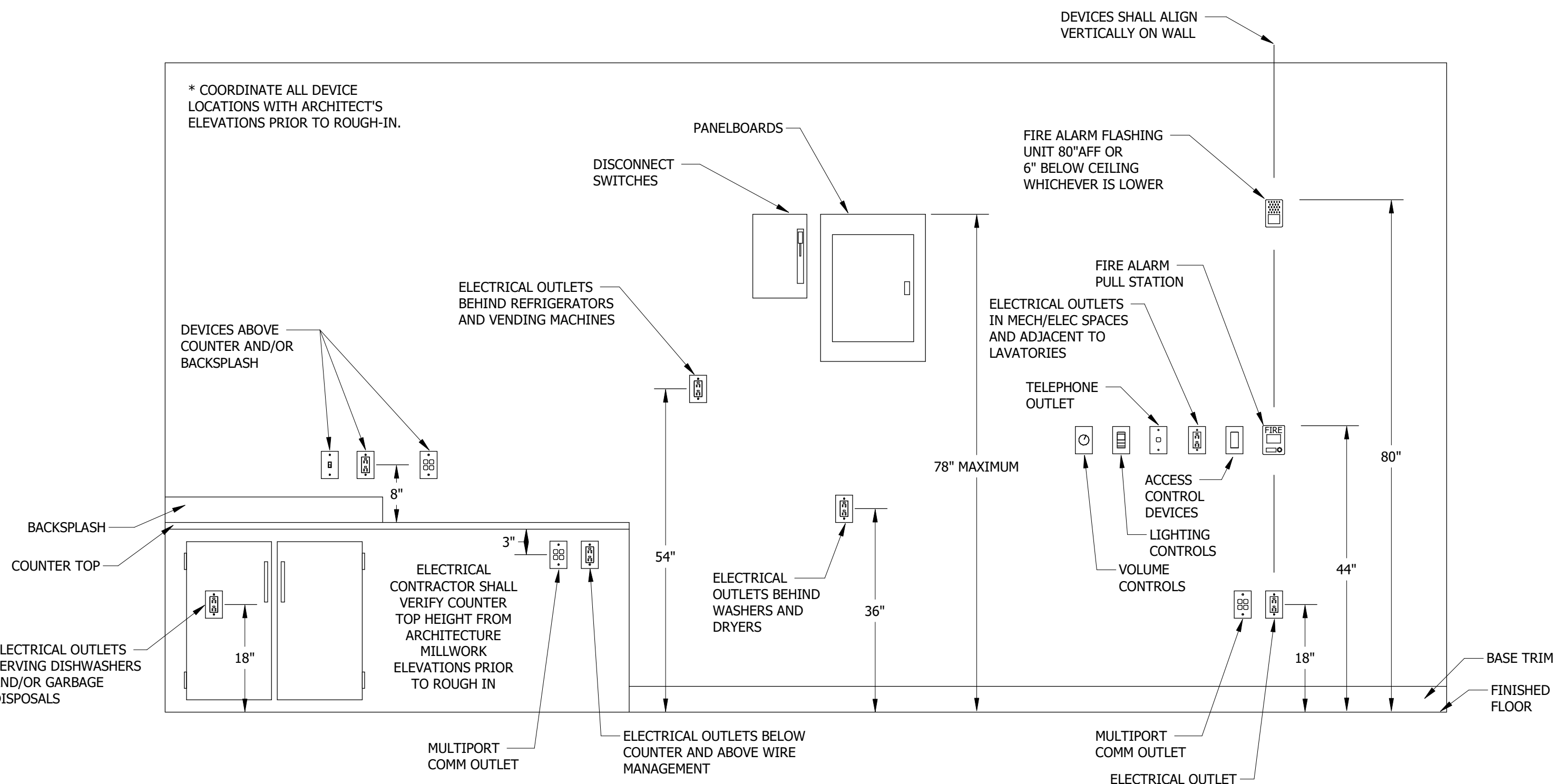
\* BEARING THE UL CLASSIFICATION MARK

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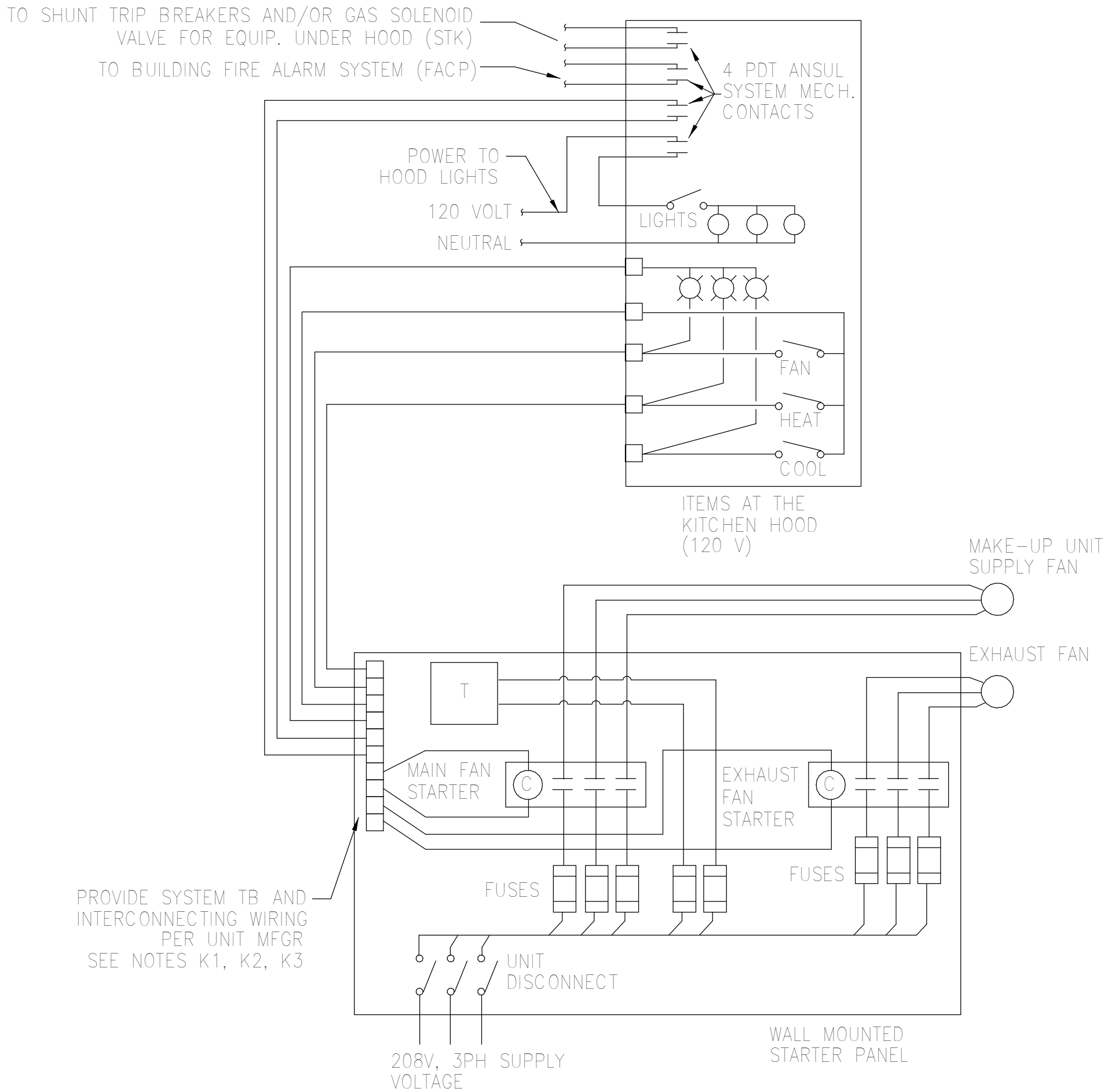
**1 1 & 2 HOUR CONDUIT WALL PENETRATIONS**

12" = 1'-0"



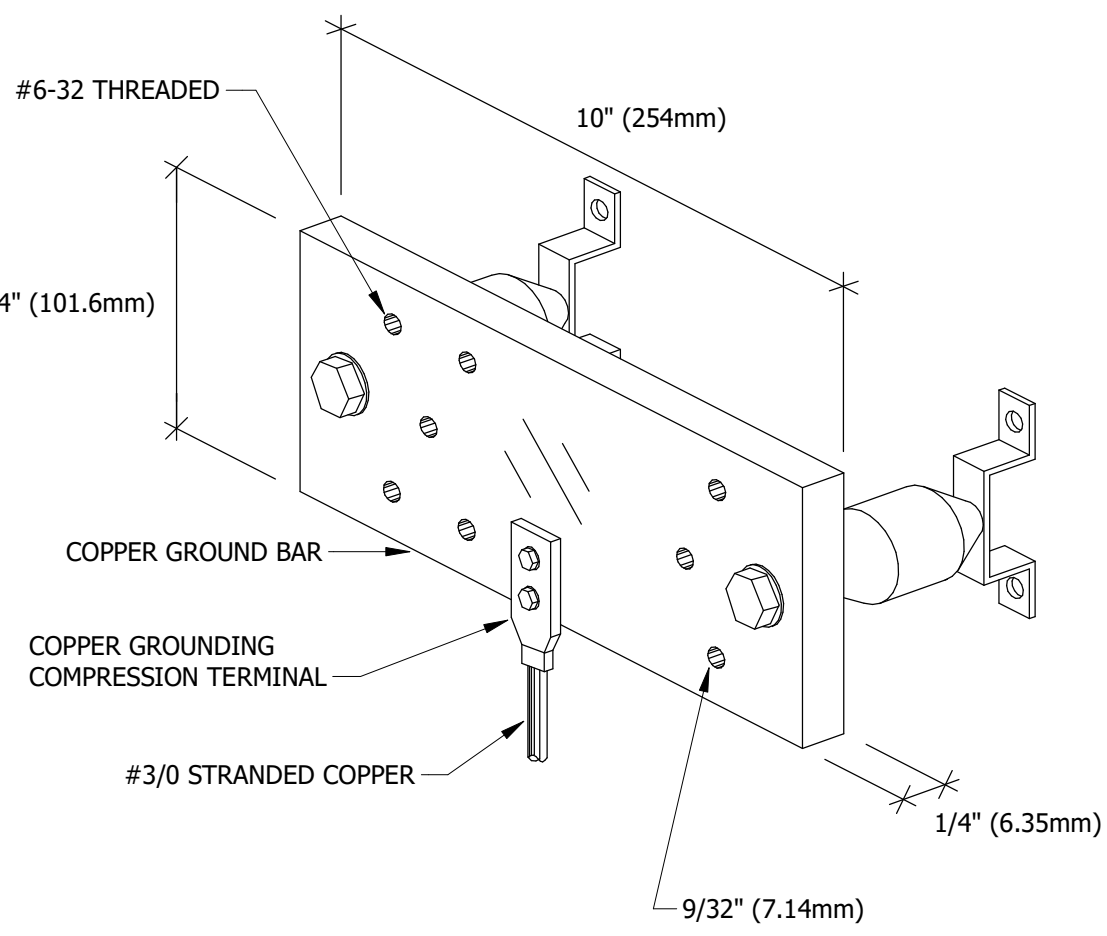
**4 TYPICAL DEVICE ELEVATIONS**

N.T.S.



**KITCHEN EQUIPMENT NOTES:**

- K1. ALL KITCHEN EQUIPMENT INSTALLED UNDER KITCHEN HOOD SHALL BE CONNECTED TO SHUNT TRIP CIRCUIT BREAKERS. CONNECT SHUNT TRIP COILS TO HOOD EXTINGUISHING SYSTEM TO DE-ENERGIZE EQUIPMENT WHEN EXTINGUISHING SYSTEM DISCHARGES. CONNECT GAS SOLENOID TO SAME CIRCUIT TO CLOSE VALVE WHEN EXTINGUISHER DISCHARGES. PROVIDE PUSH BUTTON TO MANUALLY ACTIVATE SHUTDOWN OF EQUIPMENT.
- K2. PROVIDE CONNECTION FOR KITCHEN HOOD FAN AND LIGHT CONTROL PANEL TO STARTER PANEL FURNISHED WITH FANS AND HOOD.
- K3. FUSED FOR MOTOR FEEDERS SHALL BE DUAL ELEMENT TYPE SIZED FOR MOTOR FEEDER PROTECTION. MOTOR SIZES PER KITCHEN PLAN.

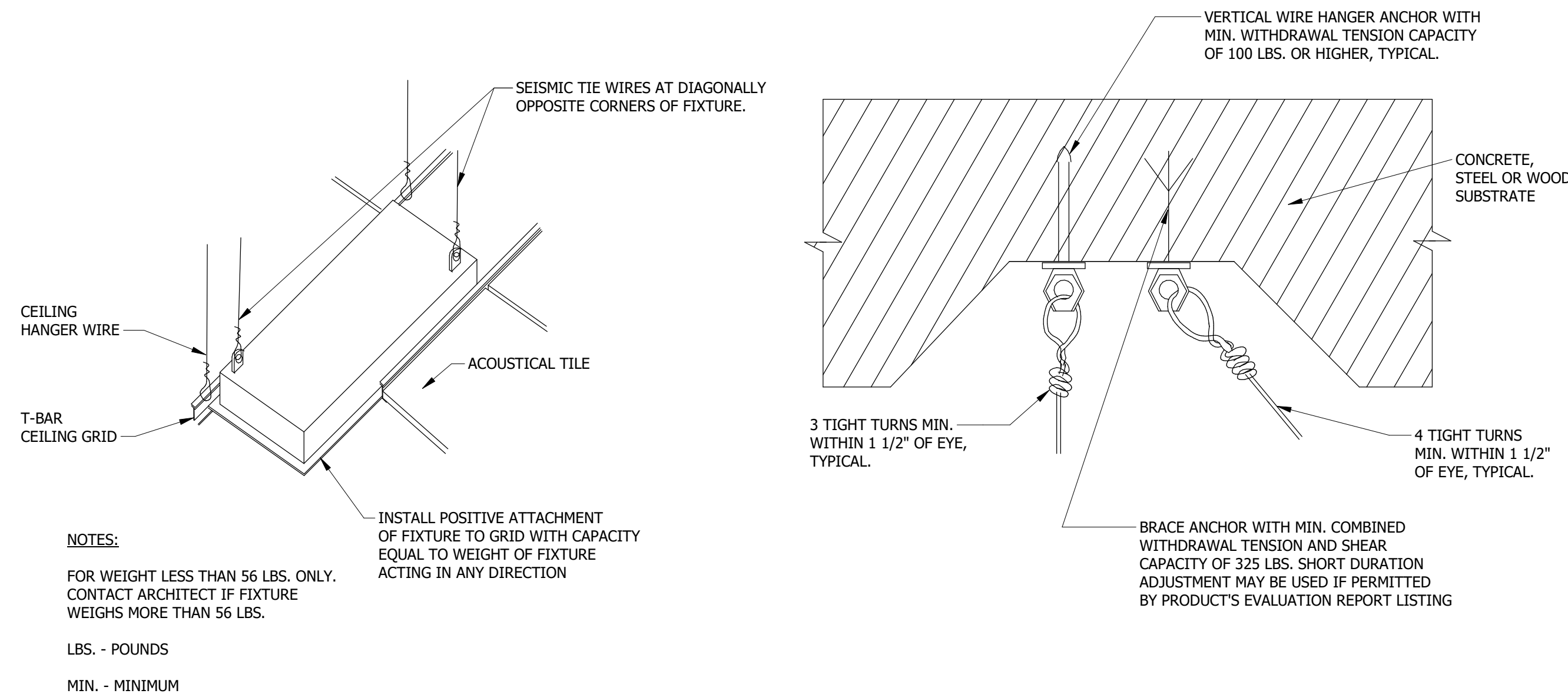


**5 GROUND BAR DETAIL**

12" = 1'-0"

**2 HOOD DETAIL**

12" = 1'-0"



**3 LAY-IN CEILING LIGHT FIXTURE INSTALLATION**

N.T.S.

**WINCHESTER CITY HALL**

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

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**ELECTRICAL DETAILS**

JOB NO: 63492

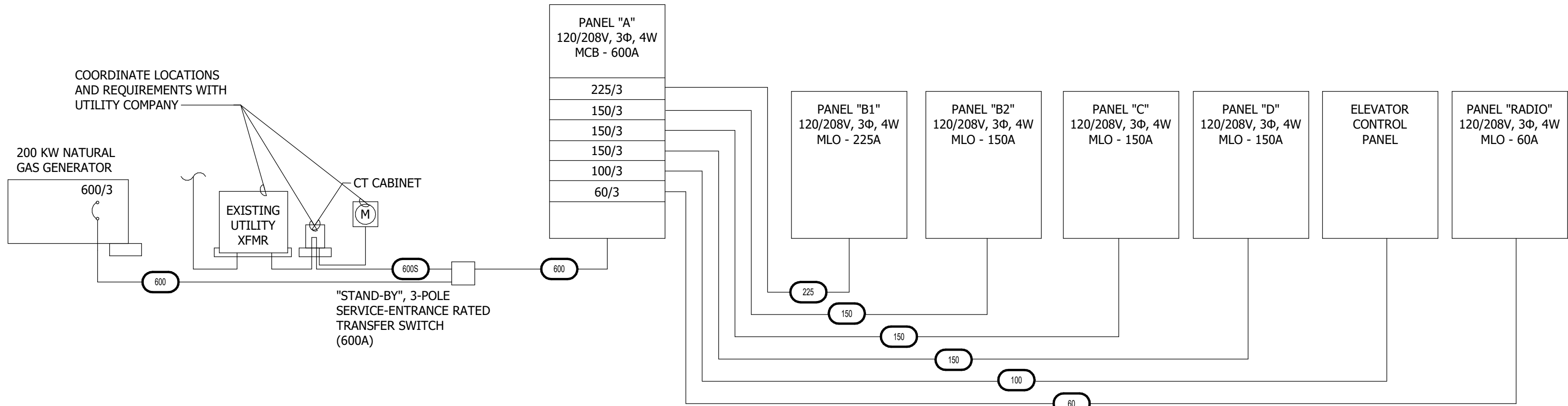
DRAWN: JEB

DATE: 01.07.2026

CONSTRUCTION DOCUMENTS

**E6.1**

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DEDUCTIVE ALTERNATE:

REMOVAL OF GENERATOR, TRANSFER SWITCH, AND WIRE. CONDUIT SHALL BE PART OF BASE BID.

SINGLE-LINE GENERAL NOTES:

1. PROVIDE A 30 MINUTE DELAY ON LIFE SAFETY TRANSFER SWITCH BEFORE GOING BACK TO "NORMAL" SUPPLY
2. EMERGENCY TRANSFER SWITCH SHALL GET ITS "NORMAL" SIGNAL FROM THE SERVICE-ENTRANCE TRANSFER SWITCH.
3. AIC RATINGS SHOWN ON PANEL SCHEDULES

ONE LINE FEEDER SCHEDULE(COPPER)

| NOTES: |              |                       |                    |              |
|--------|--------------|-----------------------|--------------------|--------------|
| TAG    | OCPD SETTING | WIRE SIZE             | EQUIP. GROUND SIZE | CONDUIT SIZE |
| 60     | 60/3 (4W)    | (4) #6 Ga.            | (1) #10 Ga.        | 1"           |
| 100    | 100/3 (4W)   | (4) #3 Ga.            | (1) #8 Ga.         | 1-1/4"       |
| 150    | 150/3 (4W)   | (4) #1/0              | (1) #6 Ga.         | 2"           |
| 225    | 225/3 (4W)   | (4) #4/0              | (1) #4 Ga.         | 2-1/2"       |
| 600    | 600/3 (4W)   | 3 SETS OF (4)#350 MCM | (2) #1 Ga.         | 3"           |
| 600S   | 600/3 (4W)   | 3 SETS OF (4)#350 MCM | -                  | 3"           |

3 ELECTRICAL RISER DIAGRAM - WINCHESTER CITY HALL

N/A

| Branch Panel: D                                                    |     |                       |                     |      |                                             |                |               |                  |                                 |                                                       |                     |                     |                     |       |  |
|--------------------------------------------------------------------|-----|-----------------------|---------------------|------|---------------------------------------------|----------------|---------------|------------------|---------------------------------|-------------------------------------------------------|---------------------|---------------------|---------------------|-------|--|
| Location: Supply From: A<br>Mounting: Surface<br>Enclosure: Type 1 |     |                       |                     |      | Volts: 120/208 Wye<br>Phases: 3<br>Wires: 4 |                |               |                  |                                 | A.I.C. Rating: Mains Type: MLO<br>Mains Rating: 150 A |                     |                     |                     |       |  |
| Notes:<br>1. PROVIDE GFCI CIRCUIT BREAKER                          |     |                       |                     |      |                                             |                |               |                  |                                 |                                                       |                     |                     |                     |       |  |
| NOTES                                                              | CKT | CIRCUIT NAME          | WIRE SIZE           | TRIP | POLES                                       | A              | B             | C                | POLES                           | TRIP                                                  | WIRE SIZE           | CIRCUIT NAME        | CKT                 | NOTES |  |
|                                                                    | 1   | REC - A.P. OFFICE 128 | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           | 1080 VA        | 1080 VA       |                  | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | REC- D.C OFFICE 229 | 2                   |       |  |
|                                                                    | 3   | REC - D.C. OFFICE 229 | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                | 900 VA        | 720 VA           | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | REC - CONF. 225     | 4                   |       |  |
|                                                                    | 5   | REC - CODE ADM 224    | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                |               | 1080 VA          | 1440 VA                         | 1                                                     | 20 A                | 1-#12, 1-#12, 1-#12 | REC - CODE ADM. 224 | 6     |  |
|                                                                    | 7   | REC - RRS & STOR.     | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           | 720 VA         | 360 VA        |                  | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | REC - WATER COOLER  | 8                   | 1     |  |
|                                                                    | 9   | FB2 - COURT RM        | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                | 540 VA        | --               | 1                               | --                                                    | --                  | SPACE               | 10                  |       |  |
|                                                                    | 11  | REC - STORAGE 236     | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                |               | 360 VA           | 540 VA                          | 1                                                     | 20 A                | 1-#12, 1-#12, 1-#12 | FB2 - COURT RM      | 12    |  |
|                                                                    | 13  | REC - STORAGE 236     | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           | 360 VA         | 360 VA        |                  | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | REC - STORAGE 236   | 14                  |       |  |
|                                                                    | 15  | REC - LOBBY 231       | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                | 720 VA        | 1080 VA          | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | REC - STOR. 236     | 16                  |       |  |
|                                                                    | 17  | REC - COURT 235       | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                |               | 540 VA           | 540 VA                          | 1                                                     | 20 A                | 1-#12, 1-#12, 1-#12 | REC - COURT 235     | 18    |  |
|                                                                    | 19  | COURT ROOM LIGHTING   | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           | 714 VA         | 44 VA         |                  | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | PLAQUE LIGHTING     | 20                  |       |  |
|                                                                    | 21  | OFFICERESTROOM...     | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                | 873 VA        | 559 VA           | 1                               | 20 A                                                  | 1-#12, 1-#12, 1-#12 | CORRIDOR LIGHTING   | 22                  |       |  |
|                                                                    | 23  | CP-1 - STOR 234       | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                |               | 100 VA           | 100 VA                          | 1                                                     | 15 A                | 1-#12, 1-#12, 1-#12 | EF-3                | 24    |  |
|                                                                    | 25  | WH-2                  | 2-#8, 1-#8, 1-#10   | 40 A | 2                                           | 3000 VA        | 0 VA          |                  | 1                               | 20 A                                                  | --                  | SPARE               | 26                  |       |  |
|                                                                    | 27  |                       |                     |      |                                             |                | 3000 VA       | 0 VA             |                                 | 1                                                     | 20 A                | --                  | SPARE               | 28    |  |
|                                                                    | 29  | TP-2 - STOR 234       | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           |                |               | 100 VA           | 0 VA                            | 1                                                     | 20 A                | --                  | SPARE               | 30    |  |
|                                                                    | 31  | LIGHTING              | 1-#12, 1-#12, 1-#12 | 20 A | 1                                           | 160 VA         | 0 VA          |                  | 1                               | 20 A                                                  | --                  | SPARE               | 32                  |       |  |
|                                                                    | 33  | SPARE                 | --                  | 20 A | 1                                           |                | 0 VA          | 0 VA             | 1                               | 20 A                                                  | --                  | SPARE               | 34                  |       |  |
|                                                                    | 35  | SPARE                 | --                  | 20 A | 1                                           |                |               | 0 VA             | 0 VA                            | 1                                                     | 20 A                | --                  | SPARE               | 36    |  |
|                                                                    | 37  | SPARE                 | --                  | 20 A | 1                                           | 0 VA           | 0 VA          |                  | 1                               | 20 A                                                  | --                  | SPARE               | 38                  |       |  |
|                                                                    | 39  | SPARE                 | --                  | 20 A | 1                                           |                | 0 VA          | 0 VA             | 1                               | 20 A                                                  | --                  | SPARE               | 40                  |       |  |
|                                                                    | 41  | SPARE                 | --                  | 20 A | 1                                           |                |               | 0 VA             | 0 VA                            | 1                                                     | 20 A                | --                  | SPARE               | 42    |  |
| Total Load:                                                        |     |                       |                     |      |                                             | 7878 VA        | 8392 VA       | 4800 VA          |                                 |                                                       |                     |                     |                     |       |  |
| Total Amps:                                                        |     |                       |                     |      |                                             | 70 A           | 74 A          | 40 A             |                                 |                                                       |                     |                     |                     |       |  |
| Legend:                                                            |     |                       |                     |      |                                             |                |               |                  |                                 |                                                       |                     |                     |                     |       |  |
| Load Classification                                                |     |                       |                     |      |                                             | Connected Load | Demand Factor | Estimated Demand | Panel Totals                    |                                                       |                     |                     |                     |       |  |
| HVAC                                                               |     |                       |                     |      |                                             | 6300 VA        | 60.00%        | 3780 VA          |                                 |                                                       |                     |                     |                     |       |  |
| LIGHTING                                                           |     |                       |                     |      |                                             | 2350 VA        | 100.00%       | 2350 VA          | Total Conn. Load: 21070 VA      |                                                       |                     |                     |                     |       |  |
| REC                                                                |     |                       |                     |      |                                             | 12420 VA       | 90.26%        | 11210 VA         | Total Est. Demand: 17340 VA     |                                                       |                     |                     |                     |       |  |
|                                                                    |     |                       |                     |      |                                             |                |               |                  | Total Conn. Current: 58 A       |                                                       |                     |                     |                     |       |  |
|                                                                    |     |                       |                     |      |                                             |                |               |                  | Total Est. Demand Current: 48 A |                                                       |                     |                     |                     |       |  |
| Notes:                                                             |     |                       |                     |      |                                             |                |               |                  |                                 |                                                       |                     |                     |                     |       |  |

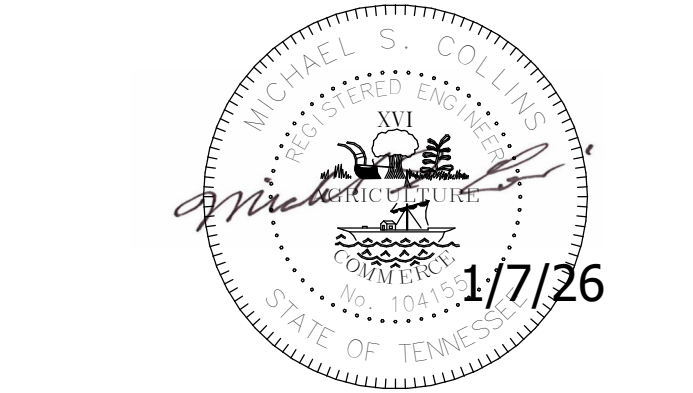
| Branch Panel: RADIO         |     |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     |                   |       |  |
|-----------------------------|-----|-------------------|---------------------|------|-------|--------------------|---------------|------------------|---------------------------------|---------------------|---------------------|---------------------|-------------------|-------|--|
| Location: EM RADIO ROOM 119 |     |                   |                     |      |       | Volts: 120/208 Wye |               |                  |                                 | A.I.C. Rating:      |                     |                     |                   |       |  |
| Supply From: A              |     |                   |                     |      |       | Phases: 3          |               |                  |                                 | Mains Type: MLO     |                     |                     |                   |       |  |
| Mounting: Surface           |     |                   |                     |      |       | Wires: 4           |               |                  |                                 | Mains Rating: 100 A |                     |                     |                   |       |  |
| Enclosure: Type 1           |     |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     |                   |       |  |
| Notes:                      |     |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     |                   |       |  |
| NOTES                       | CKT | CIRCUIT NAME      | WIRE SIZE           | TRIP | POLES | A                  | B             | C                | POLES                           | TRIP                | WIRE SIZE           | CIRCUIT NAME        | CKT               | NOTES |  |
|                             | 1   | REC               | 1-#12, 1-#12, 1-#12 | 20 A | 1     | 360 VA             | 500 VA        |                  | 1                               | 20 A                | 1-#12, 1-#12, 1-#12 | RADIO EQUIPMENT 1   | 2                 |       |  |
|                             | 3   | RADIO EQUIPMENT 1 | 1-#12, 1-#12, 1-#12 | 20 A | 1     |                    | 500 VA        | 500 VA           | 1                               | 30 A                | 1-#10, 1-#10, 1-#10 | REC - NEMA 5-30R    | 4                 |       |  |
|                             | 5   | RADIO EQUIPMENT 1 | 1-#12, 1-#12, 1-#12 | 20 A | 1     |                    |               | 500 VA           | 500 VA                          | 1                   | 20 A                | 1-#12, 1-#12, 1-#12 | RADIO EQUIPMENT 1 | 6     |  |
|                             | 7   | RADIO EQUIPMENT 1 | 1-#12, 1-#12, 1-#12 | 20 A | 1     | 500 VA             | 500 VA        |                  |                                 | 1                   | 20 A                | 1-#12, 1-#12, 1-#12 | RADIO EQUIPMENT 1 | 8     |  |
|                             | 9   | MUSIC CART        | 1-#12, 1-#12, 1-#12 | 20 A | 1     |                    | 180 VA        |                  |                                 | 1                   | 20 A                | 1-#12, 1-#12, 1-#12 | RADIO EQUIPMENT 1 | 10    |  |
|                             | 11  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 12                |       |  |
|                             | 13  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 14                |       |  |
|                             | 15  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 16                |       |  |
|                             | 17  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 18                |       |  |
|                             | 19  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 20                |       |  |
|                             | 21  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 22                |       |  |
|                             | 23  |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     | 24                |       |  |
| Total Load:                 |     |                   |                     |      |       | 1860 VA            | 1180 VA       | 1000 VA          |                                 |                     |                     |                     |                   |       |  |
| Total Amps:                 |     |                   |                     |      |       | 16 A               | 10 A          | 8 A              |                                 |                     |                     |                     |                   |       |  |
| Legend:                     |     |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     |                   |       |  |
| Load Classification         |     |                   |                     |      |       | Connected Load     | Demand Factor | Estimated Demand | Panel Totals                    |                     |                     |                     |                   |       |  |
| EQUIP                       |     |                   |                     |      |       | 500 VA             | 80.00%        | 400 VA           | Total Conn. Load: 4040 VA       |                     |                     |                     |                   |       |  |
| REC                         |     |                   |                     |      |       | 3540 VA            | 100.00%       | 3540 VA          | Total Est. Demand: 3940 VA      |                     |                     |                     |                   |       |  |
|                             |     |                   |                     |      |       |                    |               |                  | Total Conn. Current: 11 A       |                     |                     |                     |                   |       |  |
|                             |     |                   |                     |      |       |                    |               |                  | Total Est. Demand Current: 11 A |                     |                     |                     |                   |       |  |
| Notes:                      |     |                   |                     |      |       |                    |               |                  |                                 |                     |                     |                     |                   |       |  |



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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1  
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

| No. | Revision Description | Date |
|-----|----------------------|------|
|     |                      |      |
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ELECTRICAL PANEL SCHEDULES, RISER DIAGRAM & DETAILS

JOB NO: 63492 DRAWN: JEB  
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E6.2

| Branch Panel: A                 |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
|---------------------------------|-----|----------------|-------------------|---------------|--------------------|------------------|------------------|----------------------------------|----------|---------------------|-----------|----------------------|----------|-------|
| Location: ELEC. 108             |     |                |                   |               | Volts: 120/208 Wye |                  |                  |                                  |          | A.I.C. Rating:      |           |                      |          |       |
| Supply From:                    |     |                |                   |               | Phases: 3          |                  |                  |                                  |          | Mains Type: MLO     |           |                      |          |       |
| Mounting: Surface               |     |                |                   |               | Wires: 4           |                  |                  |                                  |          | Mains Rating: 600 A |           |                      |          |       |
| Enclosure: Type 1               |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
| Notes:                          |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
| 1. PROVIDE GFCI CIRCUIT BREAKER |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
| NOTES                           | CKT | CIRCUIT NAME   | WIRE SIZE         | TRIP          | POLES              | A                | B                | C                                | POLES    | TRIP                | WIRE SIZE | CIRCUIT NAME         | CKT      | NOTES |
|                                 | 1   |                |                   |               |                    | 7200 VA 17999... |                  |                                  |          |                     |           |                      | 2        |       |
|                                 | 3   | MOTOR - ELEV   | 3-#3, 1-#3, 1-#8  | 100 A         | 3                  |                  | 7200 VA 19809... |                                  |          | 3                   | 225 A     | 3-#4/0, 1-#4/0, 1-#4 | PANEL B1 | 4     |
|                                 | 5   |                |                   |               |                    |                  |                  | 7200 VA 15560...                 |          |                     |           |                      | 6        |       |
|                                 | 7   |                |                   |               |                    | 1860 VA 12566... |                  |                                  |          |                     |           |                      | 8        |       |
|                                 | 9   | RADIO          | 3-#6, 1-#6, 1-#10 | 60 A          | 3                  |                  | 1180 VA 10564... |                                  |          | 3                   | 150 A     | 3-#1/0, 1-#1/0, 1-#6 | PANEL C  | 10    |
|                                 | 11  |                |                   |               |                    |                  |                  | 1000 VA 10440...                 |          |                     |           |                      | 12       |       |
|                                 | 13  |                |                   |               |                    | 2592 VA 7878 VA  |                  |                                  |          |                     |           |                      | 14       |       |
|                                 | 15  | RTU-1          | 3-#8, 1-#8, 1-#10 | 40 A          | 3                  |                  | 2592 VA 8392 VA  |                                  |          | 3                   | 150 A     | 3-#1/0, 1-#1/0, 1-#6 | PANEL D  | 16    |
|                                 | 17  |                |                   |               |                    |                  |                  | 2592 VA 4800 VA                  |          |                     |           |                      | 18       |       |
|                                 | 19  |                |                   |               |                    | 2592 VA 9512 VA  |                  |                                  |          |                     |           |                      | 20       |       |
|                                 | 21  | RTU-2          | 3-#8, 1-#8, 1-#10 | 40 A          | 3                  |                  | 2592 VA 9384 VA  |                                  |          | 3                   | 150 A     | 3-#1/0, 1-#1/0, 1-#6 | PANEL B2 | 22    |
|                                 | 23  |                |                   |               |                    |                  |                  | 2592 VA 7156 VA                  |          |                     |           |                      | 24       |       |
|                                 | 25  |                |                   |               |                    | 2976 VA 5472 VA  |                  |                                  |          |                     |           |                      | 26       |       |
|                                 | 27  | RTU-3          | 3-#6, 1-#6, 1-#10 | 45 A          | 3                  |                  | 2976 VA 5472 VA  |                                  |          | 3                   | 80 A      | 3-#4, 1-#4, 1-#8     | RTU-4    | 28    |
|                                 | 29  |                |                   |               |                    |                  |                  | 2976 VA 5472 VA                  |          |                     |           |                      | 30       |       |
|                                 | 31  | SPD            | --                | 100 A         | 1                  | 0 VA --          |                  |                                  |          | 1                   | --        | --                   | SPACE    | 32    |
|                                 | 33  | SPD            | --                | 100 A         | 1                  |                  | 0 VA --          |                                  |          | 1                   | --        | --                   | SPACE    | 34    |
|                                 | 35  | SPD            | --                | 100 A         | 1                  |                  |                  | 0 VA --                          |          | 1                   | --        | --                   | SPACE    | 36    |
|                                 | 37  | SPACE          | --                | --            | 1                  | -- --            |                  |                                  |          | 1                   | --        | --                   | SPACE    | 38    |
|                                 | 39  | SPACE          | --                | --            | 1                  |                  | -- --            |                                  |          | 1                   | --        | --                   | SPACE    | 40    |
|                                 | 41  | SPACE          | --                | --            | 1                  |                  |                  | -- --                            |          | 1                   | --        | --                   | SPACE    | 42    |
|                                 |     |                |                   |               |                    | Total Load:      | 70647 VA         | 70561 VA                         | 59788 VA |                     |           |                      |          |       |
|                                 |     |                |                   |               |                    | Total Amps:      | 603 A            | 602 A                            | 498 A    |                     |           |                      |          |       |
| Legend:                         |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
|                                 |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
| Load Classification             |     | Connected Load |                   | Demand Factor |                    | Estimated Demand |                  | Panel Totals                     |          |                     |           |                      |          |       |
| EQUIP                           |     | 12520 VA       |                   | 80.00%        |                    | 10016 VA         |                  |                                  |          |                     |           |                      |          |       |
| HVAC                            |     | 62382 VA       |                   | 60.00%        |                    | 37429 VA         |                  | Total Conn. Load: 200995 VA      |          |                     |           |                      |          |       |
| LIGHTING                        |     | 8249 VA        |                   | 100.00%       |                    | 8249 VA          |                  | Total Est. Demand: 152688 VA     |          |                     |           |                      |          |       |
| Other                           |     | 200 VA         |                   | 100.00%       |                    | 200 VA           |                  | Total Conn. Current: 558 A       |          |                     |           |                      |          |       |
| Power                           |     | 65744 VA       |                   | 100.00%       |                    | 65744 VA         |                  | Total Est. Demand Current: 424 A |          |                     |           |                      |          |       |
| REC                             |     | 51900 VA       |                   | 59.63%        |                    | 30950 VA         |                  |                                  |          |                     |           |                      |          |       |
|                                 |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |
| Notes:                          |     |                |                   |               |                    |                  |                  |                                  |          |                     |           |                      |          |       |

| Branch Panel: C                 |     |                         |                     |      |               |                    |                  |          |                                 |                     |           |                     |                         |                        |    |
|---------------------------------|-----|-------------------------|---------------------|------|---------------|--------------------|------------------|----------|---------------------------------|---------------------|-----------|---------------------|-------------------------|------------------------|----|
| Location: ELEC. 108             |     |                         |                     |      |               | Volts: 120/208 Wye |                  |          |                                 | A.I.C. Rating:      |           |                     |                         |                        |    |
| Supply From: A                  |     |                         |                     |      |               | Phases: 3          |                  |          |                                 | Mains Type: MLO     |           |                     |                         |                        |    |
| Mounting: Surface               |     |                         |                     |      |               | Wires: 4           |                  |          |                                 | Mains Rating: 150 A |           |                     |                         |                        |    |
| Enclosure: Type 1               |     |                         |                     |      |               |                    |                  |          |                                 |                     |           |                     |                         |                        |    |
| Notes:                          |     |                         |                     |      |               |                    |                  |          |                                 |                     |           |                     |                         |                        |    |
| 1. PROVIDE GFCI CIRCUIT BREAKER |     |                         |                     |      |               |                    |                  |          |                                 |                     |           |                     |                         |                        |    |
| NOTES                           | CKT | CIRCUIT NAME            | WIRE SIZE           | TRIP | POLES         | A                  | B                | C        | POLES                           | TRIP                | WIRE SIZE | CIRCUIT NAME        | CKT                     | NOTES                  |    |
|                                 | 1   | REC - CORR. 311         | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 720 VA             | 1080 VA          |          |                                 | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - PROJECT OFF. 210  | 2                      |    |
|                                 | 3   | REC - BENFIT OFF. 214   | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 900 VA           | 360 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - RECORDS 213      | 4  |
|                                 | 5   | REC - FINANCE 215       | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 900 VA   | 900 VA                          | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - MAIN STREET 219   | 6                      |    |
|                                 | 7   | REC - RECORDER 205      | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 1080 VA            | 1080 VA          |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - CITY MANAGER 204 | 8  |
|                                 | 9   | REC - GALLERY 201       | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 720 VA           | 900 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - MAYORS OFF. 218  | 10 |
|                                 | 11  | REC - MAYOR 218         | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 1080 VA  | 540 VA                          | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - VEST. 223         | 12                     |    |
|                                 | 13  | REC - RECORDS 206       | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 720 VA             | 720 VA           |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - MECH 308         | 14 |
|                                 | 15  | REC - WORK ROOM 216     | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 720 VA           | 720 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | AC REC - CORR. 311     | 16 |
|                                 | 17  | REC - WORK ROOM 216     | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 540 VA   | 1080 VA                         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - CITY ENGINEER 303 | 18                     |    |
|                                 | 19  | REC - CODES 307         | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 1080 VA            | 720 VA           |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - CORR. 311        | 20 |
|                                 | 21  | REC - PLANNER 306       | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 1260 VA          | 900 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - CONF. 104        | 22 |
|                                 | 23  | REC - G.I.S. OFF. 302   | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 1080 VA  | 540 VA                          | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | AC REC - KITCH 115      | 24                     |    |
|                                 | 25  | REC - ELEV LOBBY 304    | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 360 VA             | 100 VA           |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | LTE ELEVATOR CAB       | 26 |
|                                 | 27  | REC - CONF. 104         | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 720 VA           | 857 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | LIGHTING               | 28 |
|                                 | 29  | REC - ELEV. EQ 208      | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 180 VA   | 720 VA                          | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | FB1 - CONF. ROOM 107    | 30                     |    |
|                                 | 31  | LIGHTING                | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 430 VA             | 720 VA           |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - CONF. ROOM 107   | 32 |
|                                 | 33  | REC - CONF. 104         | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 540 VA           | 180 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC FRIDGE - KITCH 115 | 34 |
|                                 | 35  | REC - CONF. 104         | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 900 VA   | 540 VA                          | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - CORR. 115         | 36                     |    |
|                                 | 37  | REC - STOR. 117         | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 720 VA             | 900 VA           |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - STOR. 117        | 38 |
|                                 | 39  | REC COPIER - ALCOVE 106 | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 180 VA           | 540 VA   |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | REC - ALCOVE 106       | 40 |
|                                 | 41  | REC - ALCOVE 106        | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    |                  | 360 VA   | 1080 VA                         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - H.R. OFF. 212     | 42                     |    |
|                                 | 43  | LIGHTING                | 1-#12, 1-#12, 1-#12 | 20 A | 1             | 918 VA             | 1218 VA          |          |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | LIGHTING               | 44 |
|                                 | 45  | EXTERIOR LIGHTING       | 1-#12, 1-#12, 1-#12 | 20 A | 1             |                    | 174 VA           | 1293 VA  |                                 |                     | 1         | 20 A                | 1-#12, 1-#12, 1-#12     | LIGHTING               | 46 |
|                                 | 47  | SPARE                   | --                  | 20 A | 1             |                    |                  | 0 VA     | 0 VA                            | 1                   | 20 A      | --                  | SPARE                   | 48                     |    |
|                                 | 49  | SPARE                   | --                  | 20 A | 1             | 0 VA               | 0 VA             |          |                                 |                     | 1         | 20 A                | --                      | SPARE                  | 50 |
|                                 | 51  | SPARE                   | --                  | 20 A | 1             |                    | 0 VA             | 0 VA     |                                 |                     | 1         | 20 A                | --                      | SPARE                  | 52 |
|                                 | 53  | SPARE                   | --                  | 20 A | 1             |                    |                  | 0 VA     | 0 VA                            | 1                   | 20 A      | --                  | SPARE                   | 54                     |    |
|                                 |     |                         |                     |      |               | Total Load:        | 12566 VA         | 10964 VA | 10440 VA                        |                     |           |                     |                         |                        |    |
|                                 |     |                         |                     |      |               | Total Amps:        | 105 A            | 92 A     | 87 A                            |                     |           |                     |                         |                        |    |
| Legend:                         |     |                         |                     |      |               |                    |                  |          |                                 |                     |           |                     |                         |                        |    |
| Load Classification             |     |                         | Connected Load      |      | Demand Factor |                    | Estimated Demand |          | Panel Totals                    |                     |           |                     |                         |                        |    |
| LIGHTING                        |     |                         | 4690 VA             |      | 100.00%       |                    | 4690 VA          |          | Total Conn. Load: 33970 VA      |                     |           |                     |                         |                        |    |
| Power                           |     |                         | 300 VA              |      | 100.00%       |                    | 300 VA           |          | Total Est. Demand: 24480 VA     |                     |           |                     |                         |                        |    |
| REC                             |     |                         | 28980 VA            |      | 67.25%        |                    | 19490 VA         |          | Total Conn. Current: 94 A       |                     |           |                     |                         |                        |    |
|                                 |     |                         |                     |      |               |                    |                  |          | Total Est. Demand Current: 68 A |                     |           |                     |                         |                        |    |
| Notes:                          |     |                         |                     |      |               |                    |                  |          |                                 |                     |           |                     |                         |                        |    |

| Branch Panel: B1                |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
|---------------------------------|-----|------------------------|---------------------|---------------|--------------------|------------------|----------|----------------------------------|---------|---------------------|-----------|---------------------|-----------------------|-----------------------|------|----|
| Location: ELEC. 108             |     |                        |                     |               | Volts: 120/208 Wye |                  |          |                                  |         | A.I.C. Rating:      |           |                     |                       |                       |      |    |
| Supply From: A                  |     |                        |                     |               | Phases: 3          |                  |          |                                  |         | Mains Type: MLO     |           |                     |                       |                       |      |    |
| Mounting: Surface               |     |                        |                     |               | Wires: 4           |                  |          |                                  |         | Mains Rating: 225 A |           |                     |                       |                       |      |    |
| Enclosure: Type 1               |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
| Notes:                          |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
| 1. PROVIDE GFCI CIRCUIT BREAKER |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
| NOTES                           | CKT | CIRCUIT NAME           | WIRE SIZE           | TRIP          | POLES              | A                | B        | C                                | POLES   | TRIP                | WIRE SIZE | CIRCUIT NAME        | CKT                   | NOTES                 |      |    |
|                                 | 1   | REC - SERVER ROOM 116  | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  | 1000 VA          | 1000 VA  |                                  |         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - SERVER ROOM 116 | 2                     |      |    |
|                                 | 3   | REC - SERVER ROOM 116  | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  | 1000 VA  | 1000 VA                          |         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - SERVER ROOM 116 | 4                     |      |    |
|                                 | 8   | REC - ELEV PIT & SHAFT | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  |          |                                  | 360 VA  | 500 VA              | 1         | 20 A                | 1-#12, 1-#12, 1-#12   | REC - SERVER ROOM 116 | 6    |    |
|                                 | 7   | REC - I.T. OFF. 114    | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  | 720 VA           | 500 VA   |                                  |         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | SUMP PUMP - ELEV      | 8                     |      |    |
|                                 | 9   | REC - CORR. 115        | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  | 180 VA   | 720 VA                           |         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | REC - I.T. OFF. 114   | 10                    |      |    |
|                                 | 11  | REC - KITCH 209        | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  |          |                                  | 540 VA  | 900 VA              | 1         | 20 A                | 1-#12, 1-#12, 1-#12   | REC - CORR 115        | 12   |    |
|                                 | 13  | REC - KITCH. 209       | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  | 180 VA           | 4160 VA  |                                  |         |                     | 2         | 50 A                | 2-#6, 1-#6, 1-#10     | RANGE - KITCH 209     | 14   |    |
|                                 | 15  |                        |                     |               |                    |                  |          | 3000 VA                          | 4160 VA |                     |           |                     |                       |                       | 16   |    |
|                                 | 17  | WH-1 - JAN. 111        | 2-#8, 1-#8, 1-#10   | 40 A          | 2                  |                  |          |                                  | 3000 VA | 500 VA              |           |                     |                       |                       | 18   |    |
|                                 | 19  | CP-1 - JAN. 111        | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  | 100 VA           | 500 VA   |                                  |         | 2                   | 20 A      | 2-#12, 1-#12, 1-#12 | REC - SERVER ROOM 116 | 20                    |      |    |
|                                 | 21  | TP-2 - JAN. 111        | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  | 100 VA   | 756 VA                           |         | 1                   | 20 A      | 1-#12, 1-#12, 1-#12 | LIGHTING              | 22                    |      |    |
|                                 | 23  | LIGHTING               | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  |          |                                  | 421 VA  | 1500 VA             |           |                     |                       |                       | 24   |    |
|                                 | 25  |                        |                     |               |                    | 1500 VA          | 1500 VA  |                                  |         | 2                   | 20 A      | 2-#12, 1-#12, 1-#12 | EUH-5                 | 26                    |      |    |
|                                 | 27  | EUH-6                  | 2-#12, 1-#12, 1-#12 | 20 A          | 2                  |                  | 1500 VA  | 1500 VA                          |         |                     |           |                     |                       |                       | 28   |    |
|                                 | 29  |                        |                     |               |                    |                  |          |                                  | 1500 VA | 1500 VA             |           |                     |                       |                       | 30   |    |
|                                 | 31  | EUH-1                  | 2-#12, 1-#12, 1-#12 | 20 A          | 2                  | 1500 VA          | 1500 VA  |                                  |         | 2                   | 20 A      | 2-#12, 1-#12, 1-#12 | EUH-2                 | 32                    |      |    |
|                                 | 33  |                        |                     |               |                    |                  | 1500 VA  | 1500 VA                          |         |                     | 2         | 20 A                | 2-#12, 1-#12, 1-#12   | EUH-4                 | 34   |    |
|                                 | 35  | EUH-3                  | 2-#12, 1-#12, 1-#12 | 20 A          | 2                  |                  |          |                                  | 1500 VA | 1581 VA             |           |                     |                       |                       | 36   |    |
|                                 | 37  |                        |                     |               |                    | 947 VA           | 1581 VA  |                                  |         |                     | 2         | 30 A                | 2-#10, 1-#10, 1-#10   | HP-4                  | 38   |    |
|                                 | 39  | HP-3                   | 2-#12, 1-#12, 1-#12 | 20 A          | 2                  |                  | 947 VA   | 947 VA                           |         |                     |           |                     |                       |                       | 40   |    |
|                                 | 41  |                        |                     |               |                    |                  |          |                                  | 811 VA  | 947 VA              |           | 2                   | 20 A                  | 2-#12, 1-#12, 1-#12   | HP-2 | 42 |
|                                 | 43  | HP-1                   | 2-#12, 1-#12, 1-#12 | 20 A          | 2                  | 811 VA           | 500 VA   |                                  |         |                     |           |                     |                       |                       | 44   |    |
|                                 | 45  | REC FRIDGE - KITCH 209 | 1-#12, 1-#12, 1-#12 | 20 A          | 1                  |                  |          | 500 VA                           | 500 VA  |                     | 2         | 15 A                | 2-#12, 1-#12, 1-#12   | OU-1                  | 46   |    |
|                                 | 47  | SPARE                  | --                  | 20 A          | 1                  |                  |          |                                  | 0 VA    | 0 VA                | 1         | 20 A                | --                    | SPARE                 | 48   |    |
|                                 | 49  | SPARE                  | --                  | 20 A          | 1                  | 0 VA             | 0 VA     |                                  |         |                     | 1         | 20 A                | --                    | SPARE                 | 50   |    |
|                                 | 51  | SPARE                  | --                  | 20 A          | 1                  |                  |          | 0 VA                             | 0 VA    |                     | 1         | 20 A                | --                    | SPARE                 | 52   |    |
|                                 | 53  | SPARE                  | --                  | 20 A          | 1                  |                  |          |                                  | 0 VA    | 0 VA                | 1         | 20 A                | --                    | SPARE                 | 54   |    |
| Total Load:                     |     |                        |                     |               |                    | 17999 VA         | 19809 VA | 15560 VA                         |         |                     |           |                     |                       |                       |      |    |
| Total Amps:                     |     |                        |                     |               |                    | 153 A            | 168 A    | 130 A                            |         |                     |           |                     |                       |                       |      |    |
| Legend:                         |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
|                                 |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
| Load Classification             |     | Connected Load         |                     | Demand Factor |                    | Estimated Demand |          | Panel Totals                     |         |                     |           |                     |                       |                       |      |    |
| EQUIP                           |     | 12020 VA               |                     | 80.00%        |                    | 9616 VA          |          |                                  |         |                     |           |                     |                       |                       |      |    |
| HVAC                            |     | 15570 VA               |                     | 60.00%        |                    | 9342 VA          |          | Total Conn. Load: 53367 VA       |         |                     |           |                     |                       |                       |      |    |
| LIGHTING                        |     | 1177 VA                |                     | 100.00%       |                    | 1177 VA          |          | Total Est. Demand: 44735 VA      |         |                     |           |                     |                       |                       |      |    |
| Power                           |     | 18000 VA               |                     | 100.00%       |                    | 18000 VA         |          | Total Conn. Current: 148 A       |         |                     |           |                     |                       |                       |      |    |
| REC                             |     | 6600 VA                |                     | 100.00%       |                    | 6600 VA          |          | Total Est. Demand Current: 124 A |         |                     |           |                     |                       |                       |      |    |
|                                 |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |
| Notes:                          |     |                        |                     |               |                    |                  |          |                                  |         |                     |           |                     |                       |                       |      |    |