

# VILLAGE OF OAK PARK SOUTH FIRE STATION #3 RENOVATION



**STUDIO GC**  
architecture + interiors  
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Chicago, Illinois 60606  
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**CONSULTANTS:**

MECHANICAL,  
ELECTRICAL, PLUMBING,  
FIRE PROTECTION  
ENGINEERS  
Firm Registration Number:  
2185027

**LOCATION MAP:**

**PROJECT SITE:**  
900 SOUTH EAST AVE.  
OAK PARK, ILLINOIS 60304

**ALTERNATES:**

**ALTERNATE BID NO. 1: NEW ROOF TOP GEO-THERMAL HEATING AND COOLING SYSTEM, AND WELL FIELD.**  
**BASE BID:** REMOVE THE EXISTING ROOF TOP UNIT AND REPLACE IT WITH A NEW ROOF TOP AIR SOURCE HP WITH ELECTRIC BACK UP HEATING AND COOLING SYSTEM AS SHOWN AND DETAILED IN PROJECT MANUAL AND DRAWINGS.  
**ALTERNATE BID:** REMOVE THE EXISTING ROOF TOP UNIT AND REPLACE IT WITH A NEW ROOF TOP GEO-THERMAL HEATING AND COOLING SYSTEM WITH NEW ROOF TOP CONDENSER, AND WELL FIELD AS SHOWN AND DETAILED IN PROJECT MANUAL AND DRAWINGS.

**ALTERNATE BID NO. 2: NEW WOOD KITCHEN CASE WORK**  
**BASE BID:** REMOVE AND REPLACE EXISTING CASEWORK WITH NEW PLASTIC LAMINATE CASE- AS SHOWN AND DETAILED IN PROJECT MANUAL AND DRAWINGS.  
**ALTERNATE BID:** REMOVE AND REPLACE EXISTING CASE WORK WITH NEW SOLID WOOD CASEWORK AS SHOWN AND DETAILED IN PROJECT MANUAL AND DRAWINGS.

**ALTERNATE BID NO. 3: SPRAY-FOAM INSULATION**  
**BASE BID:** EXISTING 2 X 10 WOOD RAFTERS AND WOOD DECK TO REMAIN AS IS.  
**ALTERNATE BID:** INSULATE ENTIRE WORK AREA ABOVE THE CEILINGS WITH CLOSED CELL SPRAY FOAM INSULATION. PROVIDE CLOSED CELL SPRAY FOAM INSULATION TO ACHIEVE R-38 ON UNDERSIDE OF ROOF DECK FOR ENTIRE WORK AREA SHOWN. PROVIDE THERMAL IGNITION COATING OVER THE SPRAY FOAM INSULATION. SPRAY FOAM ALL CONDUCTORS AND PIPING RUNNING THROUGH ROOF AND ALL DUCTWORK FEEDS FROM RTU'S WITHIN EXISTING 2X10 FRAME SPACE. REACTIVE FIRE BARRIER COATING TO BE PROVIDED IN CEILINGS THAT ARE EXPOSED AND OPEN TO ABOVE AS SHOWN AND DETAILED IN PROJECT MANUAL AND DRAWINGS.

**CERTIFICATION:**

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS WERE PREPARED IN THE OFFICES OF STUDIO GC, INC. UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, COMPLY WITH THE FOLLOWING:

- INTERNATIONAL BUILDING CODE (2018 IBC) FOR COMMERCIAL BUILDINGS WITH LOCAL AMENDMENTS
- INTERNATIONAL EXISTING BUILDING CODE (2018 IEB) WITH LOCAL AMENDMENTS
- NATIONAL ELECTRIC CODE (2017 NEC, NFPA 10) WITH LOCAL AMENDMENTS
- INTERNATIONAL FUEL GAS CODE (2018 IFGC) WITH LOCAL AMENDMENTS
- INTERNATIONAL MECHANICAL CODE (IMC) WITH LOCAL AMENDMENTS
- INTERNATIONAL FIRE CODE (2018 IFC) WITH LOCAL AMENDMENTS
- INTERNATIONAL ENERGY CONSERVATION CODE (2021 IECC)
- ILLINOIS STATE PLUMBING CODE WITH LOCAL AMENDMENTS
- STATE OF ILLINOIS ACCESSIBILITY CODE (2014)

CRAIG S. MEADOWS  
ARCHITECT  
001-021023 11/30/2026  
LICENSE NO. AND EXPIRATION DATE  
05-06-2026  
DATE SIGNED

South Fire Station #3 Renovation

Village of Oak Park Fire Department  
900 South East Ave, Oak Park, IL 60304

**KEY PLAN**

NO. • ISSUE • DATE  
 • OUT FOR BID / PERMIT • 5/26/2026

**TITLE SHEET**

**T1.00**





















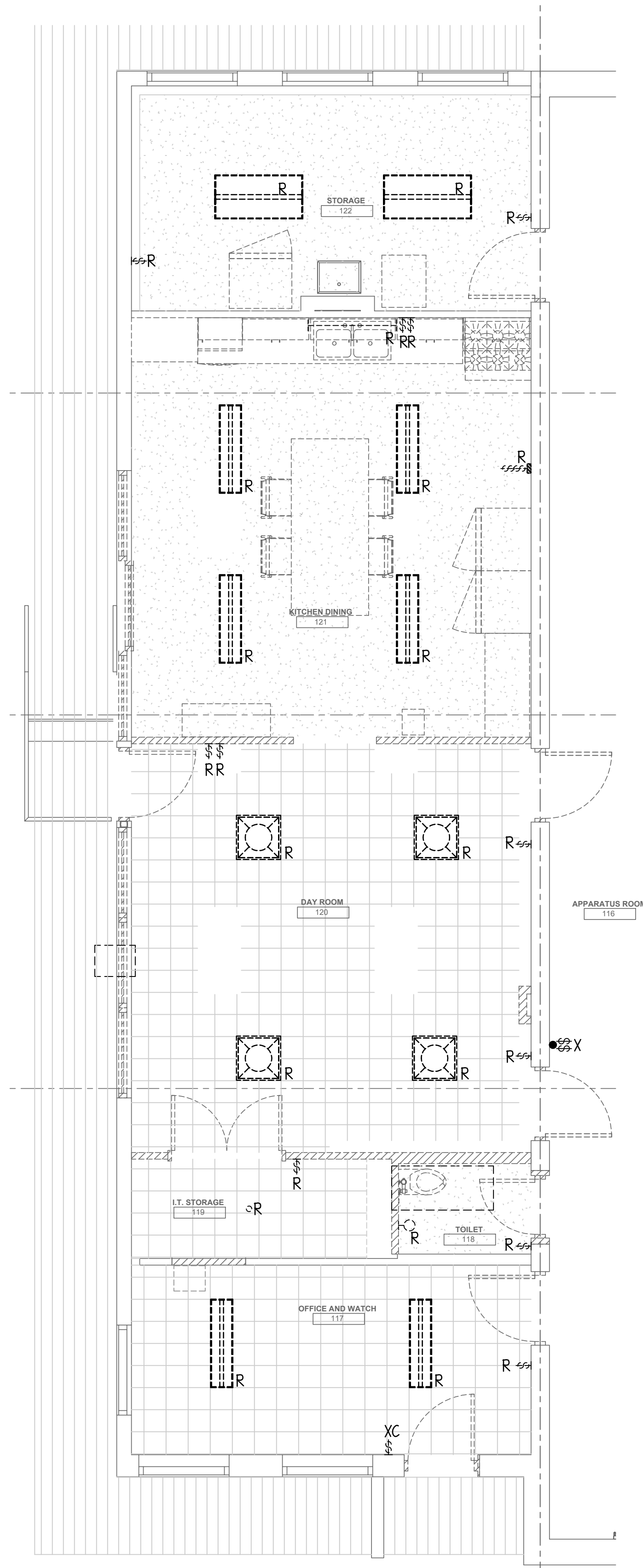




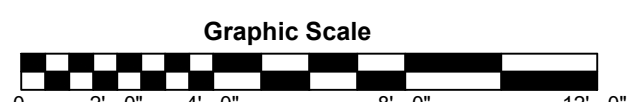
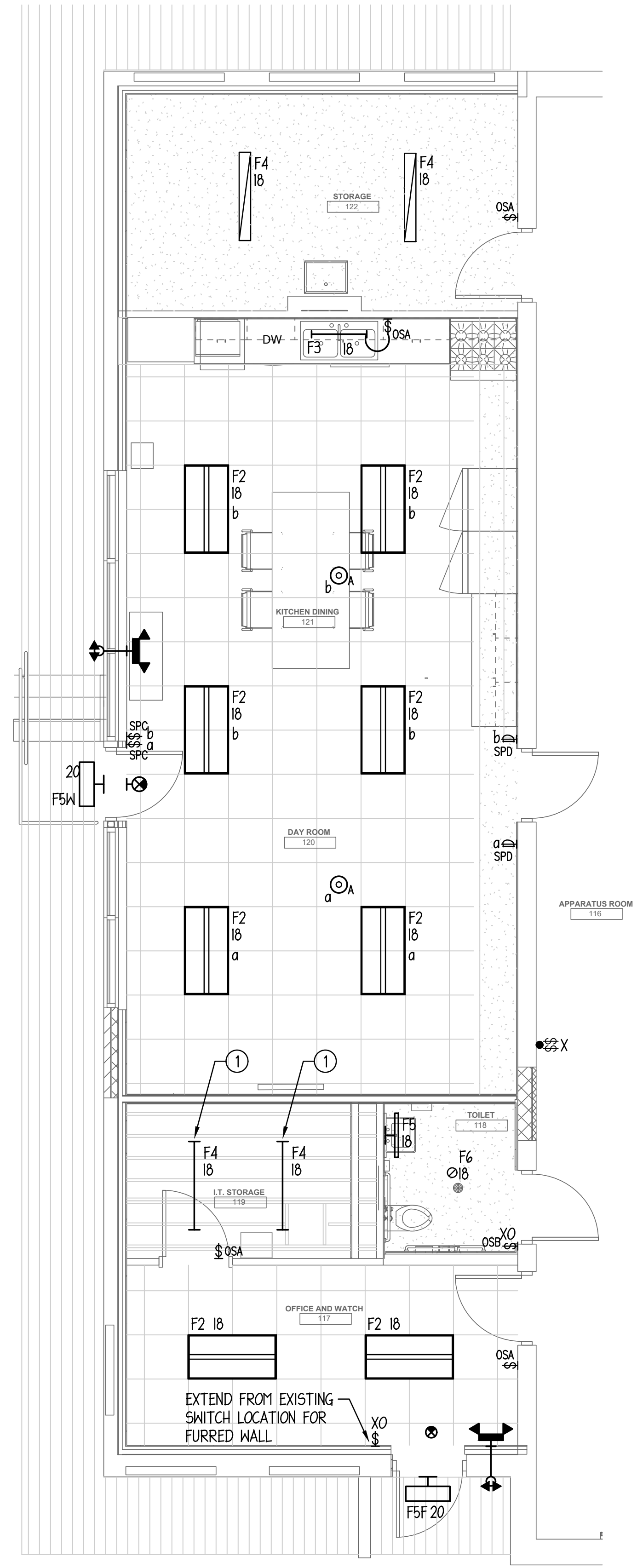








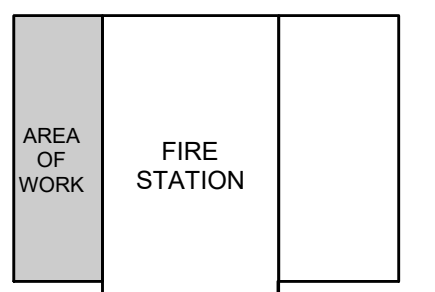
1 Demo First Floor Lighting Plan  
1/4" = 1'-0"



2 First Floor Lighting Plan  
1/4" = 1'-0"

**DRAWING NOTES:** (TYPICAL FOR THIS DRAWING ONLY.)

- 1 COORDINATE LOCATION WITH ARCHITECT AND OTHER TRADES IN FIELD TO ACCOMMODATE DUCTWORK/PIPING/ETC. LUMINAIRES MAY BE MOUNTED ON THE WALL IF CEILING MOUNT IS NOT ACHIEVABLE.



**KEY PLAN**

NO	ISSUE	DATE
•	OUT FOR BID/ PERMIT	5/26/2026
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**LIGHTING PLANS**



NO	ISSUE	DATE
	OUT FOR BID/ PERMIT	5/26/2026

**ELECTRICAL RISER DIAGRAM**

**NOTE**  
SCHEDULE ELECTRIC SERVICE OUTAGE WITH OWNER, ARCHITECT AND LOCAL AUTHORITIES (10) DAYS IN ADVANCE. BUILDING SHALL BE UNOCCUPIED DURING OUTAGE UNLESS TEMPORARY POWER IS PROVIDED TO MAINTAIN LIFE SAFETY SYSTEMS THROUGH THE DURATION OF THE OUTAGE. RESET AND RESTART ALL SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, SECURITY AND TELECOMMUNICATIONS AFTER RESTORING BUILDING POWER.

**NOTE**  
BUS BAR TAPS AT ELECTRICAL EQUIPMENT WILL NOT BE ACCEPTABLE UNLESS TAPS ARE MADE AT UTILIZING LUGS AND HOLES IN BUS BARS SUPPLIED OR APPROVED BY THE ORIGINAL EQUIPMENT MANUFACTURE, NOR SHALL TAPS INVALIDATE THE TESTING LABEL AND LISTING BY A NATIONALLY RECOGNIZED TESTING AGENCY (UNDERWRITERS LABORATORY OR EQUIVALENT).

**NOTE**  
LUGS AND TERMINATIONS ON ELECTRICAL EQUIPMENT SHALL BE SIZED TO ACCOMMODATE THE THE NUMBER OF PARALLEL SETS AND SIZE OF CONDUCTORS TO MAKE FULL SIZE TERMINATIONS WITHOUT INVALIDATING THE TESTING LABEL AND LISTING BY A NATIONALLY RECOGNIZED TESTING AGENCY (UNDERWRITERS LABORATORY OR EQUIVALENT). INSTALLATION OR MODIFICATION OF LUGS AND TERMINATIONS AT ELECTRICAL EQUIPMENT WILL NOT BE ACCEPTABLE UNLESS IN COMPLIANCE WITH THE ORIGINAL EQUIPMENT MANUFACTURE AND TESTING AGENCY.

**GENERAL NOTES:**

- WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL CODES. VERIFY EXACT CODE REQUIREMENTS AND LOCAL AMENDMENTS WITH LOCAL INSPECTOR PRIOR TO ANY INSTALLATION.
- RISER DIAGRAM IS DIAGRAMMATIC ONLY. COORDINATE EXACT ROUTING OF FEEDERS IN FIELD. PROVIDE PULLBOXES AS REQUIRED PER NEC REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT SHOWN IS NEW UNLESS NOTED OTHERWISE.
- PROVIDE 4" HOUSEKEEPING CONCRETE PAD FOR ALL FLOOR MOUNTED EQUIPMENT.

**DRAWING NOTES:** (TYPICAL FOR THIS RISER DIAGRAM ONLY.)

- EXISTING METER SOCKET AND SERVICE ENTRANCE CONDUCTORS TO REMAIN.
- RECONNECT METER TO SERVICE ENTRANCE PANEL. PROVIDE REPLACEMENT 200A/2P SERVICE ENTRANCE RATED DISCONNECT.
- UTILIZE EXISTING 1" CONDUIT BETWEEN \*MDP\* AND NEW PANEL \*P2-1\*, PULL NEW CONDUCTORS THROUGH EXISTING CONDUIT.
- NEW REPLACEMENT PANEL \*P2-1\* INSTALLED IN SAME LOCATION AS PREVIOUS PANEL. RECONNECT REMAINING BRANCH CIRCUITS PREVIOUSLY ON DEMOLISH PANEL \*P2-1\*.
- NEW REPLACEMENT PANEL \*GP\*. RECONNECT REMAINING BRANCH CIRCUITS PREVIOUSLY ON DEMOLISHED PANEL \*FA\*.
- PROVIDE NEW 150A/2P CIRCUIT BREAKER TO SERVE PANEL \*GP\*.
- PROVIDE NEW CONCRETE PAD, MINIMUM 8" THICK FOR GENERATOR. PAD SHALL EXTEND MINIMUM 12" BEYOND GENERATOR BASE ON ALL SIDES. TOP OF PAD SHALL BE MINIMUM OF 2" ABOVE ADJACENT GRADE. PAD SHALL BE REINFORCED WITH STEEL REBAR OR MESH, AND SET ON A COMPACTED GRANULAR/DRAINAGE FILL. PROVIDE LEVEL AND FLAT SURFACE. COORDINATE SLEEVE PLACEMENT FOR GAS & ELECTRICAL LINES.
- NEW 240V 45KW NATURAL GAS GENERATOR ON CONCRETE PAD WITH WEATHERPROOF ENCLOSURE: GENERAC MODEL #SG045. PROVIDE OPTIONS, ACCESSORIES, CONNECTIONS, AND PROGRAMMING AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- NEW SUB-PANEL \*GP-SUB\* FED FROM PANEL \*GP\*.
- PROVIDE (3) 20A/1P CIRCUIT BREAKERS AND ASSOCIATED RACEWAY AND CONDUCTORS TO SERVE BATTERY CHARGER, JACKET WATER HEATER, AND GENERATOR GFCI RECEPTACLE.

**LEGEND:**

- x-x-x-x-x-x-x-x- DENOTES DEMOLITION.
- - - - - DENOTES EXISTING TO REMAIN AND/OR BE REUSED.
- DENOTES NEW.

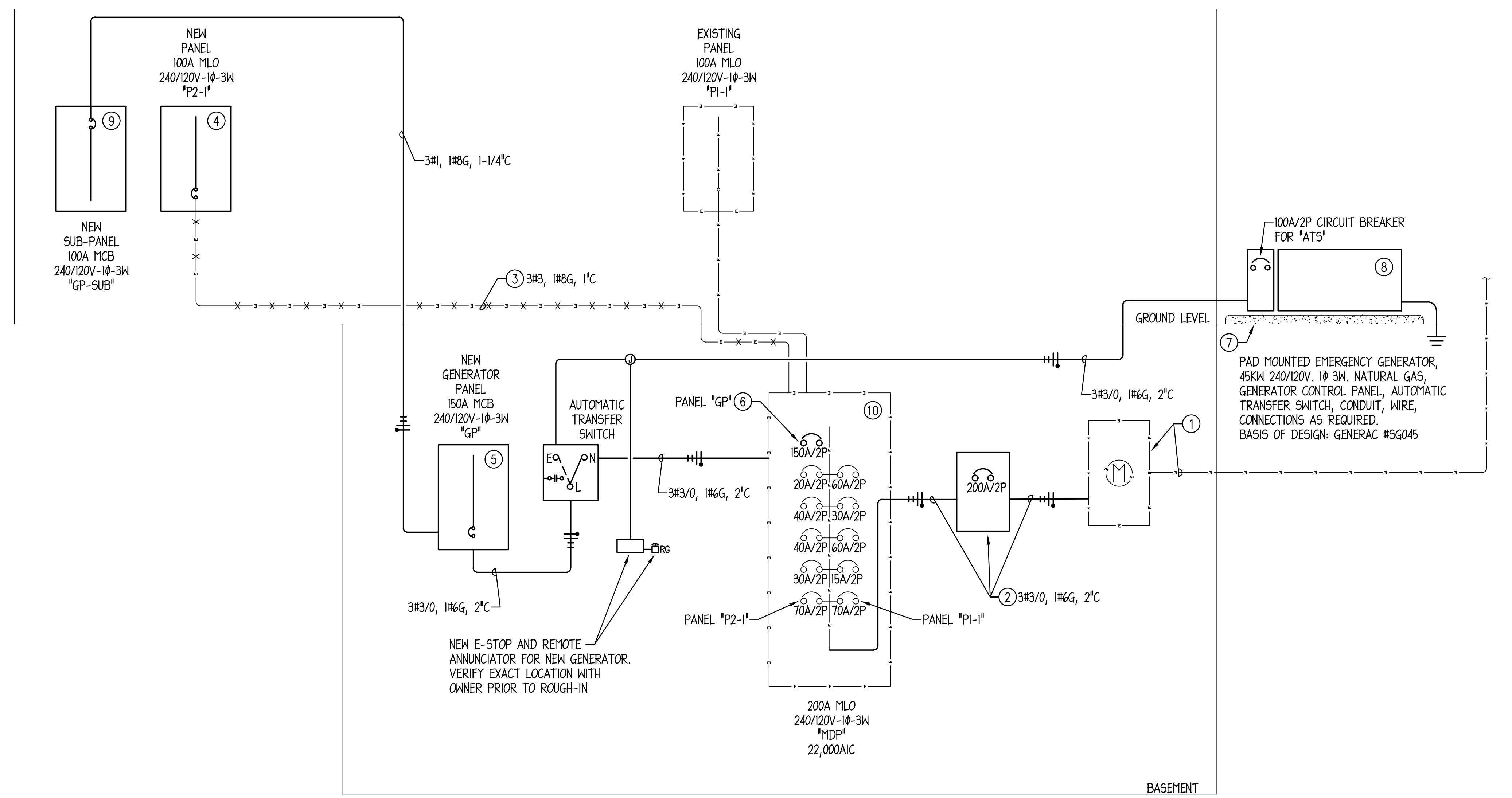
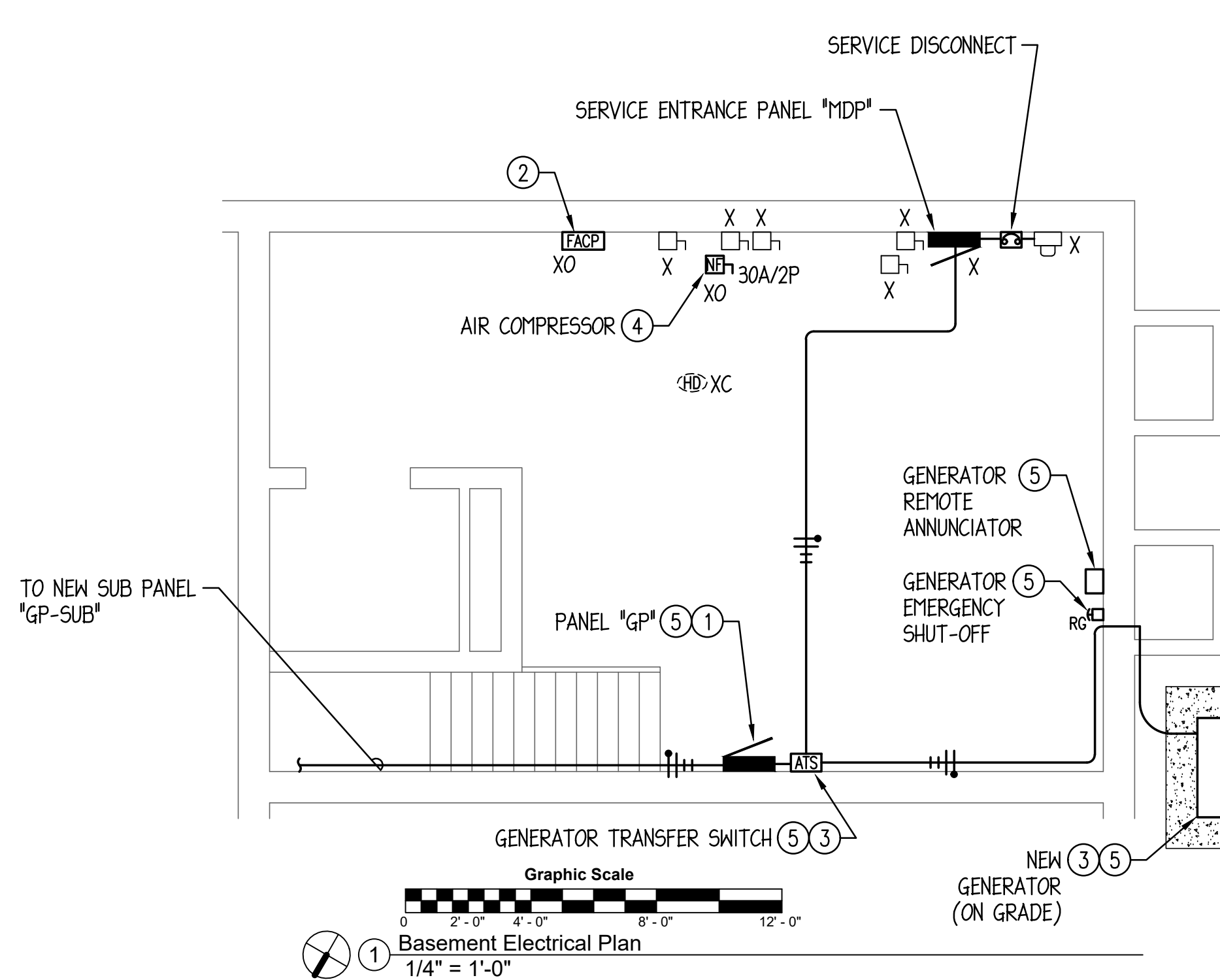
**SITE PLAN GENERAL NOTES**

- ALL PENETRATIONS THROUGH BUILDING SHALL BE SEALED WATER TIGHT PER ARCHITECT'S REQUIREMENTS.
- PROVIDE ALL TRENCHING, AND BACKFILL AS REQUIRED. BACKFILL PER ARCHITECT'S REQUIREMENTS, SURFACE SUITABLE FOR FINAL PAVEMENT LAYER. FINAL PAVEMENT BY OTHERS, THIS CONTRACTOR TO COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO ANY EXCAVATION.
- COORDINATE AND REVIEW WITH ARCHITECT AND CONSTRUCTION MANAGER FOR CONSTRUCTION PHASING, SCHEDULES, AND FOR ADDITIONAL INFORMATION PRIOR TO SUBMITTING BID. INCLUDE ALL ASSOCIATED COSTS REQUIRED FOR A COMPLETE INSTALLATION AND OPERATIONAL SYSTEM.
- INCLUDE COSTS IN BID PROPOSAL TO LOCATE AND MARK EXISTING UNDERGROUND UTILITIES WHERE NEW UNDERGROUND WORK IS INDICATED. PRIOR TO ANY CONSTRUCTION ACTIVITIES, FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. AT 1-800-842-0123.
- CUTTING, BORING, PATCHING, AND RESTORATION INCLUDING SOD, LANDSCAPING, CONCRETE, AND ASPHALT PAVEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY. ALL DISTURBED SURFACES SHALL BE PATCHED AND RESTORED TO MATCH EXISTING. CONTRACTOR SHALL PROVIDE FLUSH IN-GRADE PULL BOXES AS REQUIRED TO FACILITATE PULLING OF CONDUCTORS.
- CONTRACTOR SHALL EXERCISE CARE IN EXCAVATION AND CONSTRUCTION SO AS NOT TO DISTURB EXISTING UNDERGROUND SITE UTILITIES (UNLESS SPECIFICALLY DOCUMENTED TO DO SO). CONTRACTOR SHALL EMPLOY A SERVICE TO LOCATE UTILITIES AND SHALL CONSULT WITH THE OWNER AS TO POSSIBLE LOCATIONS OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE SERVICE AND PAY FOR ANY UTILITY FEES IN CONNECTION WITH RESTORATION OF SERVICE IN THE EVENT OF DISRUPTION DUE TO EXCAVATION OR CONSTRUCTION.

**DRAWING NOTES:** (TYPICAL FOR THIS DRAWING ONLY.)

- PROVIDE NEW 60 CIRCUIT 120/240V, 100A SINGLE PHASE THREE WIRE PANEL. RECONNECT EXISTING BRANCH CIRCUITS FROM DEMOLISHED PANEL \*FA\* THAT WERE NOT AFFECTED BY DEMOLITION SCOPE. SEE RISER FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM CONTROL PANEL, MODEL NFS2-320 AS MANUFACTURED BY NOTIFIER OR EQUIVALENT ALTERNATE MANUFACTURER. RECONNECT EXISTING FIRE ALARM DEVICES TO NEW PANEL; PROVIDE REPLACEMENT DEVICES WHERE EXISTING DEVICES ARE OBSOLETE/NON-FUNCTIONAL/INCOMPATIBLE. VERIFY REQUIREMENTS IN FIELD.
- PROVIDE REPLACEMENT GENERATOR AND AUTOMATIC TRANSFER SWITCH. GENERATOR SHALL SERVE NEW GENERATOR PANEL \*GP\*. SEE RISER FOR ADDITIONAL INFORMATION.
- REPLACE AIR COMPRESSOR WITH NEW 30A/2P 240V NON-FUSED DISCONNECT IN SAME LOCATION.
- VERIFY EXACT LOCATION WITH OWNER.

**GENERATOR PAD**  
8" EXTERIOR CONCRETE (+1/2" BIGGER THAN GENERATOR ENCLOSURE SIZE) SLAB WITH 2 LAYERS 6x6-8/8 WWF  
2" CLR @ TOP ON 8" COMPACTED GRANULAR/DRAINAGE FILL  
T/PAD +2" ABOVE ADJACENT GRADE  
CONCRETE F'c= 4000 PSI @ 28 DAYS (5 1/2 BAG MIN.)  
WATER/CEMENT RATIO .45 MAX  
AIR ENTRAINING @ 6%  
PROVIDE LEVEL & FLAT SURFACE WITH BROOM FINISH  
COORDINATE SLEEVE PLACEMENT FOR ELECTRICAL LINE





**DEMOLITION PLAN GENERAL NOTES**

- ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES, AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.
- ALL DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTOR'S WORK.
- IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWING(S) TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LUMINAIRES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
- CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING THEIR BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT THEIR WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LUMINAIRES, CONNECTIONS TO MECHANICAL EQUIPMENT, DEVICES, ETC.. PULL OUT ALL UNUSED CONDUCTORS AND CABLES, AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, PUMPS, BOILERS, AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHERS. BACKFEED AS REQUIRED ALL DOWNSTREAM DEVICES WHICH REMAIN. (THE CONTRACTOR SHALL COORDINATE WITH THE OWNER WHICH ITEMS INDICATED TO BE REMOVED & DISCONNECTED SHALL BE SALVAGED AND PRESENTED TO THE OWNER PRIOR TO ANY DISPOSAL OF THESE ITEMS.)
- ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. WHERE WORK CALLED FOR ON THE DRAWINGS OR IN THE SPECIFICATIONS INVOLVES THE REMOVAL OF FLUORESCENT LAMPS CONTAINING MERCURY OR CLOTH INSULATED CONDUCTORS, THEY SHALL BE PROPERLY HANDLED AND REMOVED FROM SITE BY APPROVED METHODS PER EPA REGULATIONS.
- ALL EXISTING RECEPTACLES/DATA OUTLETS/DEVICES/EQUIPMENT THAT ARE NOT PART OF DEMOLITION SHALL REMAIN AS IS UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CHECK AND VERIFY FOR CONTINUING OPERATION OF THESE DEVICES PRIOR TO SUBSTANTIAL COMPLETION. IF ANY EXISTING CIRCUITS TO REMAIN ARE INTERRUPTED BY DEMOLITION OR NEW CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT/REMOVAL/REROUTING/MODIFICATION OF CONDUITS AND WIRES INCLUDING EXTENSION, AS REQUIRED TO MAINTAIN FUNCTIONALITY OF DOWNSTREAM RECEPTACLES/DATA OUTLETS/DEVICES/EQUIPMENT.
- THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT PHASING AND MAINTAIN EXISTING SYSTEMS ACTIVE IN AREAS WHICH REMAIN OCCUPIED.
- EXISTING CEILING MOUNTED SPEAKERS, PROGRAM BELLS, FIRE ALARM DEVICES, AND SIMILAR ELECTRICAL EQUIPMENT AND DEVICES TO REMAIN SHALL BE EXTENDED AND REINSTALLED AS REQUIRED IN NEW CEILINGS. FIELD VERIFY EXACT QUANTITIES AND REQUIREMENTS.
- SUPPORT ALL CABLING DRAPED OR LYING LOOSE ABOVE EXISTING CEILINGS WHICH ARE SCHEDULED TO BE REMOVED. TIE WRAP CABLING TO JOISTS OR OTHER STRUCTURAL MEMBERS AS REQUIRED. UPON THE COMPLETION OF THE PROJECT, NO WIRING SHALL BE LYING ON ACCESSIBLE CEILINGS.
- WHERE EXISTING DEVICE IS REMOVED FROM WALL WITH NO NEW DEVICE GOING BACK AT SAME LOCATION, PROVIDE BLANK COVER PLATES AS REQUIRED. COVER PLATES SHALL BE OF PROPER SIZE AND INSTALLED FLUSH WITH WALL.

**GENERAL NOTES:**

- EXISTING CONDITIONS WERE OBTAINED FROM EXISTING AS-BUILT DRAWINGS AND CURSORY FIELD OBSERVATION. CONTRACTOR SHALL IDENTIFY ANY DISCREPANCIES IN THE FIELD AND REPORT THEM TO THE ENGINEER.
- INCIDENTAL WORK MAY ALSO BE NECESSARY DUE TO CHANGES AFFECTING, MECHANICAL, ELECTRICAL, OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREAS, COORDINATE WITH OTHER TRADES, AND ASCERTAIN WORK NEEDED, AND DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST. THE REMOVAL & REINSTALLATION OF EXISTING WORK TO ACCOMMODATE CHANGES TO EXISTING, OR INSTALLATION OF, MECHANICAL, ELECTRICAL, OR OTHER SYSTEMS IS ALSO PART OF THIS CONTRACT.
- CONTRACTOR SHALL MAINTAIN FIRE RATING OF ALL PARTITIONS FOR NEW PENETRATIONS. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALL. CABLING SHALL NOT PENETRATE WALLS UNLESS ROUTED THROUGH RACEWAY SYSTEM OR ROUTED ABOVE ACCESSIBLE CEILINGS THROUGH METALLIC CONDUIT SLEEVES, EXTENDING A MINIMUM OF 6" EACH SIDE OF THE WALL WITH PROTECTIVE END BUSHINGS TO PREVENT DAMAGE TO CABLES. VOIDS AROUND SLEEVES SHALL BE SEALED WITH APPROPRIATE MATERIALS AS TO MAINTAIN THE ACOUSTIC OR FIRE RATING OF WALLS ABOVE AND BELOW CEILINGS. CABLES RUN THROUGH VOIDS WITHOUT SLEEVES OR RACEWAYS WILL NOT BE ACCEPTABLE. CONTRACTOR SHALL VERIFY EXISTING FIRE PARTITIONS IN THE FIELD.
- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES BEFORE ROUGH-IN. WHERE CONFLICTS BETWEEN ELECTRICAL & ARCHITECTURAL ELEVATIONS ARISE, CONTRACTOR TO VERIFY WITH ARCHITECT/ENGINEER TEAM PRIOR TO ROUGH-IN.
- FIRE ALARM WORK IS PART OF THIS CONTRACT. FIRE ALARM CONTROL PANEL SHALL BE REPLACED WITH NEW. ALL NEW FIRE ALARM DEVICES SHALL BE UL LISTED AND COMPATIBLE WITH NEW FIRE ALARM SYSTEM. PROVIDE ALL EQUIPMENT, DEVICES, EXPANSION MODULES, POWER SUPPLIES, WIRING AND LABOR TO INCORPORATE EXISTING DEVICES INTO NEW SYSTEM. REPLACE ANY DEVICES NOT COMPATIBLE WITH NEW FIRE ALARM CONTROL PANEL. INCLUDE ALL PROGRAMMING AND TESTING AS REQUIRED. CONTRACTOR SHALL SUBMIT PRODUCT DATA, CALCULATIONS AND SHOP DRAWING INDICATING DEVICE LOCATIONS AND ADDRESSABLE IDENTIFICATIONS TO LOCAL AUTHORITY HAVING JURISDICTION WHERE APPLICABLE.
- UNLESS INDICATED OTHERWISE, CONTRACTOR SHALL CHANNEL EXISTING DRYWALL AS REQUIRED TO CONCEAL CONDUITS AND RECESS MOUNTED JUNCTION BOXES FOR ELECTRICAL DEVICES. COORDINATE WALL PATCHING REQUIREMENTS WITH GENERAL TRADES CONTRACTOR. WHERE RECESS MOUNTING IS NOT FEASIBLE, INFORM ARCHITECT AND/OR CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- THE SCALE OF THE DRAWING DOES NOT ALLOW FOR THE PROPER SPACING OF ELECTRICAL DATA OUTLETS IN PROXIMITY TO ONE ANOTHER, GRAPHICALLY. DO NOT SCALE THE DRAWINGS. ARCHITECT WILL PROVIDE A DIMENSIONED LAYOUT PLAN PRIOR TO INSTALLATION OF ANY DEVICES.

**POWER PLAN GENERAL NOTES**

- THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, CLOCK, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
- BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
- CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
- UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
- DURING THE COURSE OF INVESTIGATION AND DEMOLITION, IF IT IS DETERMINED THAT IT MAY BE FEASIBLE TO UTILIZE EXISTING MATERIALS FOR BRANCH CIRCUITS AND FEEDERS, CONTRACTOR SHALL NOTIFY ENGINEER FOR APPROVAL PRIOR TO PERFORMING ANY WORK.
- REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
- ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
- VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
- REFER TO ELECTRICAL DETAILS SHEET FOR ADDITIONAL NOTES AND DETAILS.
- LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 5 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
- DRAWINGS DO NOT REPRESENT ALL EXISTING FIRE ALARM DEVICES. INITIATING AND NOTIFICATION DEVICES NOT SHOWN ON THE DRAWINGS ARE EXISTING TO REMAIN UNLESS THEY ARE NOT COMPATIBLE WITH THE NEW FIRE ALARM CONTROL PANEL, IN WHICH CASE THEY ARE TO BE REPLACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN OPERATION OF THE EXISTING DEVICES NOT SHOWN.
- REMOVE AND REINSTALL CEILING MOUNTED DEVICES AS REQUIRED TO ALLOW INSTALLATION OF FEEDERS, BRANCH CIRCUITS, MECHANICAL PIPING, AND DUCT WORK. DEVICES INCLUDE BUT ARE NOT LIMITED TO: LUMINAIRES, SPEAKERS, FIRE ALARM, AND PAGING DEVICES.
- PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL POINTS.
- SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- IN RENOVATIONS, IF AN EXISTING RECEPTACLE/JUNCTION BOX LOCATION WILL END UP HIDDEN BEHIND PERMANENTLY INSTALLED EQUIPMENT OR CASEWORK, PROCEED AS NOTED BELOW:
  - IF THE RECEPTACLE IS AN END OF LINE DEVICE (IT DOES NOT FEED OTHER DEVICES), IT SHALL BE REMOVED INCLUDING ASSOCIATED WIRING BACK TO LAST ACTIVE DEVICE OR JUNCTION BOX AND A BLANK COVER PLATE INSTALLED.
  - IF THE RECEPTACLE DOES SERVE DOWNSTREAM DEVICES, REMOVE RECEPTACLE AND REMARK WIRING TO A NEW OR EXISTING JUNCTION BOX ABOVE CEILING SUCH THAT NO WIRES ARE PRESENT IN THE JUNCTION BOX. A BLANK COVER PLATE SHALL BE INSTALLED.
- IN EXISTING WORK WHEN UTILIZING EXISTING SPACES OR SPARES, CONTRACTOR SHALL PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT UNLESS HANDLE TIES ARE UTILIZED TO MEET THE REQUIREMENTS OF ARTICLE 210.4(B).
- IN JUNCTION BOXES WHERE CURRENT CARRYING CONDUCTORS ARE SPLICED OR TERMINATED. PROVIDE BOND TO JUNCTION BOX FROM EQUIPMENT GROUNDING CONDUCTOR.
- CONDUITS AND RACEWAYS SHALL NOT BE ROUTED ACROSS FLOORS OR SLABS.

**LIGHTING PLAN GENERAL NOTES**

- THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO LUMINAIRES WHERE APPLICABLE. ALL LIGHTING BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
- PROVIDE LOCK-ON CIRCUIT BREAKER DEVICES FOR ALL EMERGENCY LIGHTING & EXIT SIGN BRANCH CIRCUITS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LUMINAIRE LOCATIONS. REFER TO ARCHITECTURAL ELEVATIONS FOR LUMINAIRE SUSPENSION LENGTHS AND MOUNTING HEIGHTS.
- ALL LUMINAIRES SHOWN HALF SHADED SHALL BE WIRED (NON-SWITCHED CIRCUIT) DIRECTLY TO THE EMERGENCY PANEL. PROVIDE DEDICATED NEUTRAL CONDUCTOR TO EACH BRANCH CIRCUIT TO THE EMERGENCY PANEL.
- CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
- EMERGENCY BATTERY PACKS SHOWN ARE TO BE CONNECTED TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF LOCAL SWITCH UNLESS NOTED OTHERWISE.
- ALL LAY-IN FIXTURES SHALL BE INDEPENDENTLY SUPPORTED AT OPPOSITE CORNERS TO A STRUCTURAL MEMBER.
- PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL POINTS.
- ALL DIMMING SYSTEM CONTROL WIRING SHALL BE RATED AT 600V AND SHALL BE IN THE SAME CONDUIT AS THE CIRCUIT PROVIDING POWER TO THE LIGHT FIXTURE. CONDUIT SHALL BE 1/2" MINIMUM FOR DIMMING SYSTEM CONTROL WIRING WHERE RUN INDEPENDENT OF THE CIRCUIT SUPPLYING POWER TO THE FIXTURES.
- PROVIDE SEPARATE NEUTRAL FOR ALL DIMMED CIRCUITS.
- IN NEW WORK, CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.
- IN EXISTING WORK WHEN UTILIZING EXISTING SPACES OR SPARES, CONTRACTOR SHALL PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT UNLESS HANDLE TIES ARE UTILIZED TO MEET THE REQUIREMENTS OF ARTICLE 210.4(B).
- IN JUNCTION BOXES WHERE CURRENT CARRYING CONDUCTORS ARE SPLICED OR TERMINATED. PROVIDE BOND TO JUNCTION BOX FROM EQUIPMENT GROUNDING CONDUCTOR.

**GENERAL ELECTRICAL REMODELING NOTES**

- WORK SHOWN ON DRAWINGS SHALL BE CONSIDERED NEW AND IN CONTRACT UNLESS SPECIFICALLY INDICATED OTHERWISE.
- DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING, NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS, OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
- IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLEARNESS OF PRESENTATION.
- CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
- CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES, AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
- WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
- CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS, AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL BUILDING MEMBER.
- THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH THE PROJECT REQUIREMENTS AND OWNER'S STIPULATION AS DIRECTED.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTOR'S WORK, CEILING HEIGHTS, AND CLEARANCE FOR INSTALLING THEIR WORK.

**GENERAL ELECTRICAL REMODELING NOTES**

- UNLESS INDICATED ON ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. REMOVE, STORE, AND REINSTALL CEILING TILES AS REQUIRED TO INSTALL WORK ABOVE EXISTING REMOVABLE CEILINGS WHICH REMAIN; REPLACE TILES BROKEN OR DAMAGED DURING CONSTRUCTION. ALL PATCHING, REPAIRING, AND REFINISHING WORK TO OTHER FINISHES AND STRUCTURAL ELEMENTS SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE WHILE MAINTAINING EXISTING FIRE RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXISTING FIRE RATINGS OF CEILINGS AND PARTITIONS SYSTEMS. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED, AND PAID FOR BY THE INSTALLING CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN-UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP AND THE NEGLIGENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK-CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR CONDUIT, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
- IT IS MANDATORY THAT THE COMPLETE EXISTING BUILDING REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF SAID EXISTING BUILDING. THE SPECIFIC AREA(S) BEING REMODELED/ALTERED AT ANY SCHEDULED TIME ARE OBVIOUSLY EXCLUSIVE OF THIS STATEMENT. SERVICES TO EXISTING BUILDING SHALL BE KEPT IN CONTINUOUS OPERATION INCLUDING POWER, SIGNAL SYSTEMS, LIGHTING, TELEPHONE, HEATING, COOLING, VENTILATING, TEMPERATURE CONTROL. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH CONTRACT WORK SHALL BE ARRANGED WITH THE OWNER A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE. SUCH INTERRUPTIONS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AS FAR AS TIME INTERVAL IS INVOLVED AND TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED BY THE CONTRACTOR ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
- UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/OR WOOD PALLETES. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUEEN. ALL CONDUIT WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED ON THE SITE UNLESS IT IS SITTING ON WOOD PLANKS AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
- THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT FROM A SPECIFIED ACCEPTABLE MANUFACTURER, BUT NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. WHEN EQUIPMENT SUBMITTED FOR REVIEW DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
- CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEET THE CAPACITY AND DUTY SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THEIR ASSOCIATED FEES.
- CONTRACTOR SHALL PROVIDE WARRANTY FOR ALL MATERIAL AND GUARANTEE ALL WORKMANSHIP PROVIDED BY HIM FOR 1 (ONE) YEAR FROM SUBSTANTIAL COMPLETION OF WORK INVOLVED.

**BIDDING NOTE**

SEE DRAWINGS ME SERIES OF DRAWINGS FOR GENERAL NOTES AND ADDITIONAL DETAILS APPLICABLE TO THIS TRADE'S WORK.

**NOTE**

ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL SERVICE TO THE SITE. COORDINATE POWER REQUIREMENTS WITH OWNER AND OTHER TRADES, FOR AMOUNT OF TEMPORARY POWER REQUIRED. PROVIDE GENERATOR, DISTRIBUTION PANEL, RELATED WIRING, TEMPORARY OUTLETS AND WIRING, AND TEMPORARY LIGHTING AS REQUIRED FOR ALL TRADES. CONFORM TO O.S.H.A., N.E.C., AND ALL OTHER LOCAL CODE REQUIREMENTS.



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South Fire Station #3 Renovation

Village of Oak Park Fire Department  
900 South East Ave, Oak Park, IL 60304

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**ELECTRICAL NOTES**

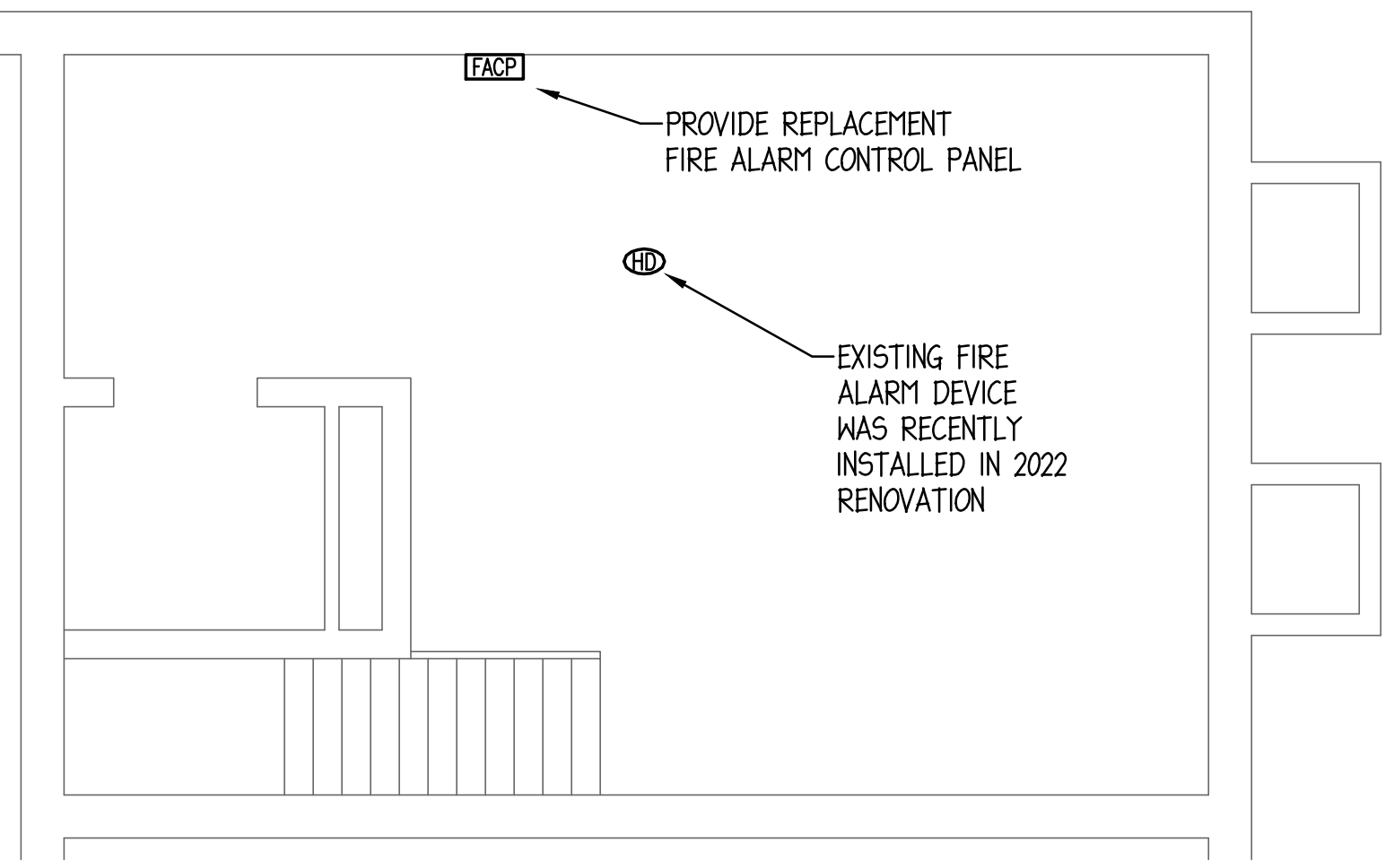
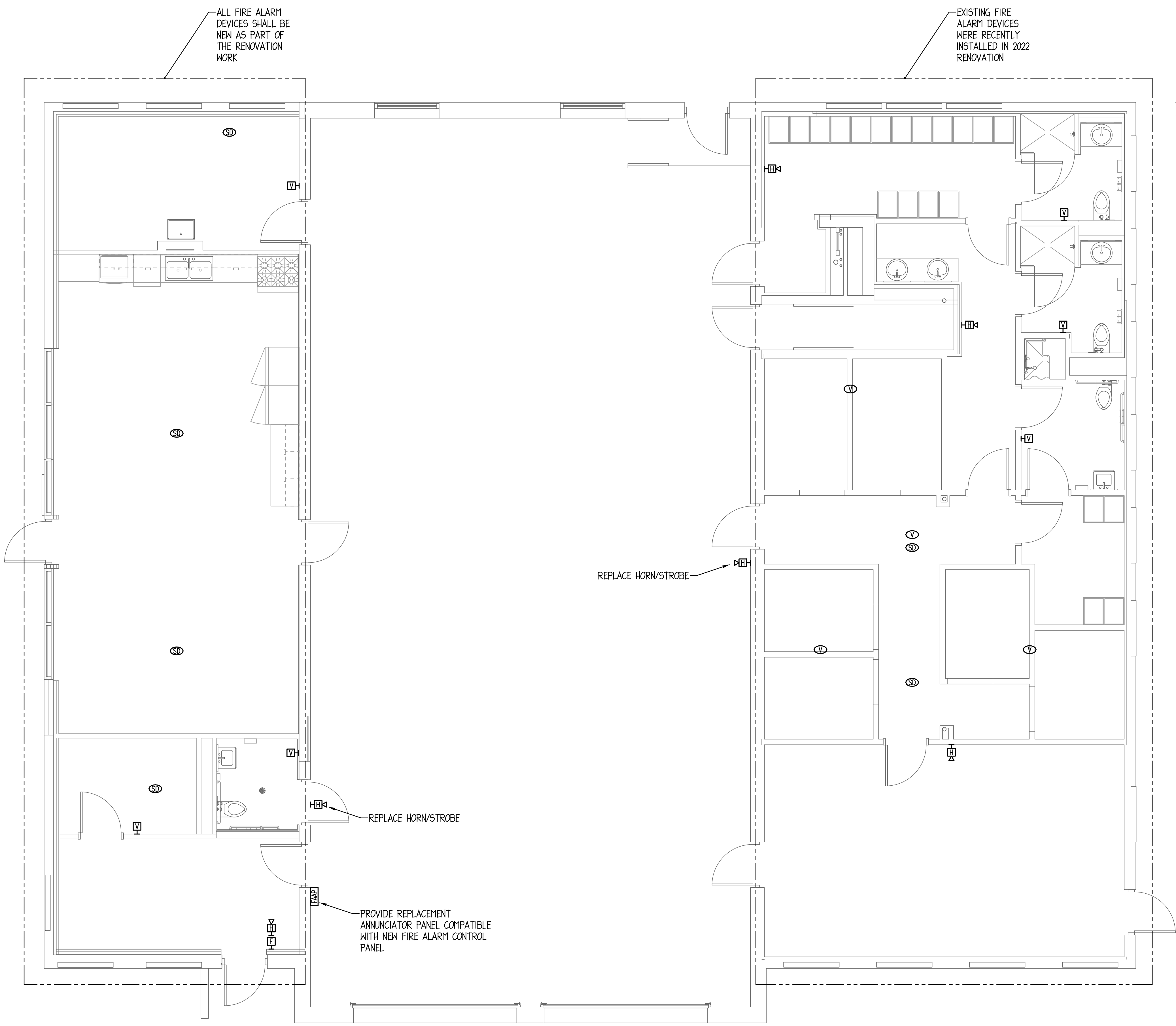
**E4.01**











Graphic Scale  
0 2'-0" 4'-0" 8'-0" 12'-0"  
② Basement Fire Alarm Reference Plan  
1/4" = 1'-0"

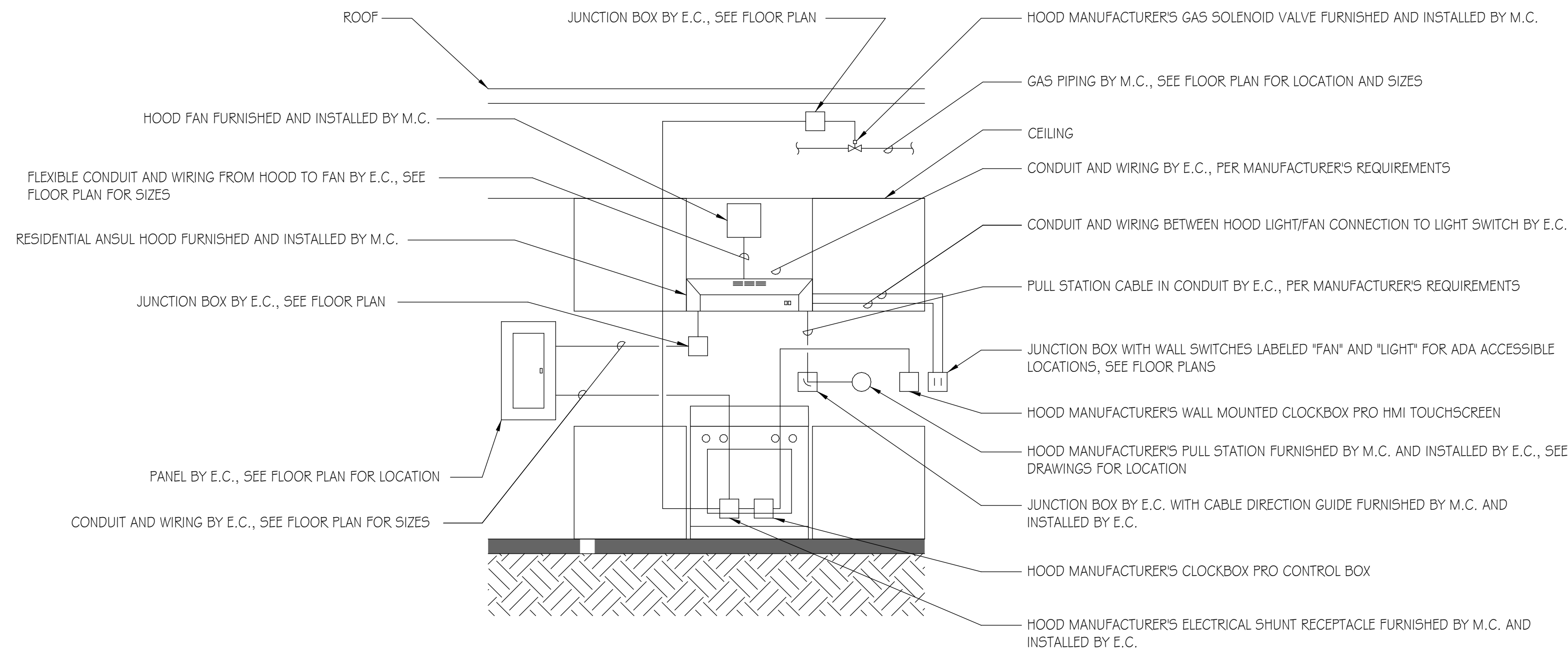
**FIRE ALARM NOTE**  
ALL EXISTING FIRE ALARM PULL STATIONS, SMOKE DETECTORS, AND HEAT DETECTORS SHALL BE REMOVED AND REPLACED AS PART OF FIRE ALARM SYSTEM REPLACEMENT. FIELD VERIFY EXISTING CONDITIONS AND QUANTITIES.

Graphic Scale  
0 2'-0" 4'-0" 8'-0" 12'-0"  
① First Floor Fire Alarm Reference Plan  
1/4" = 1'-0"

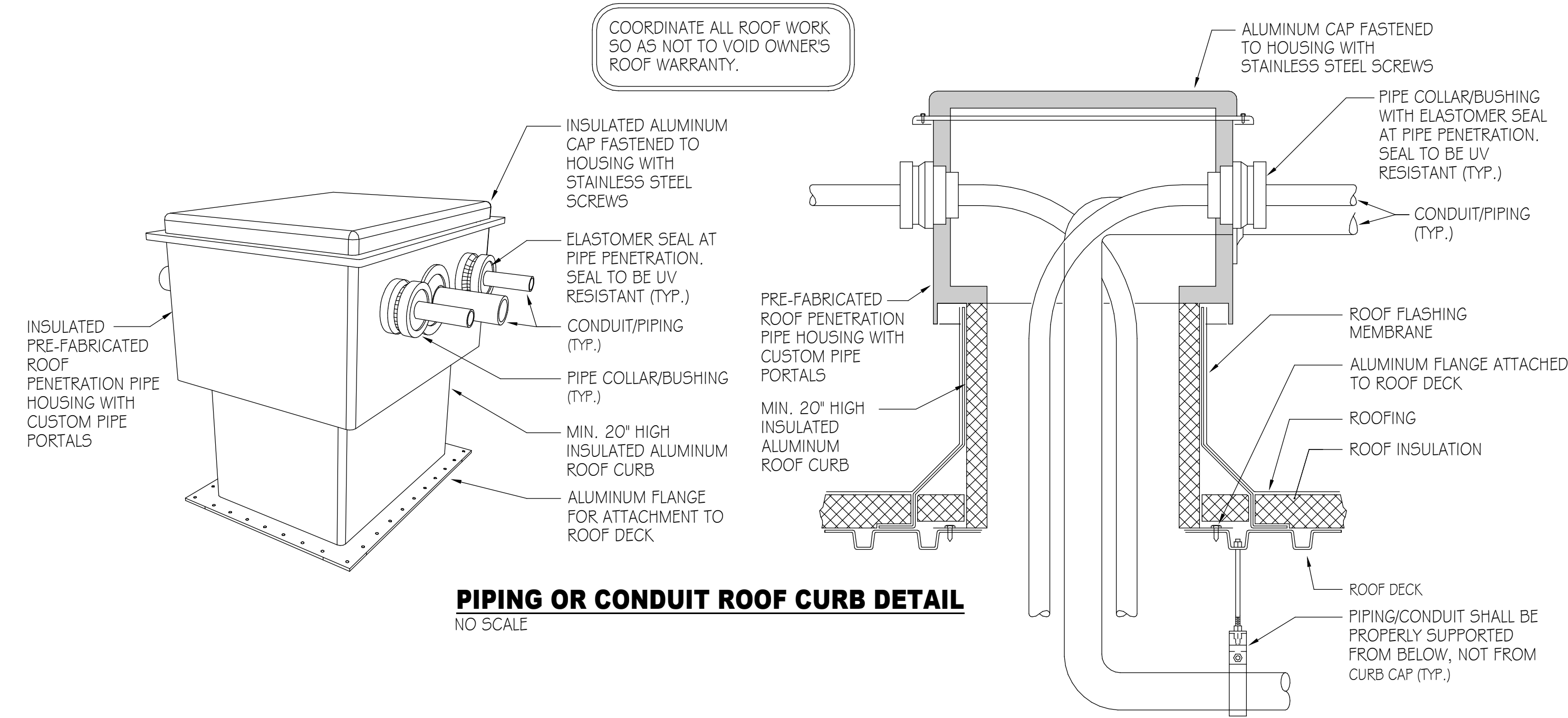
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**FIRE ALARM REFERENCE PLAN**





**DENLAR HOOD DETAIL**  
NO SCALE

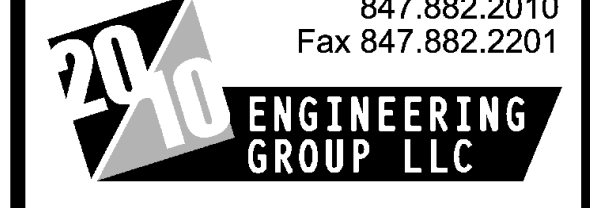


**PIPING OR CONDUIT ROOF CURB DETAIL**  
NO SCALE



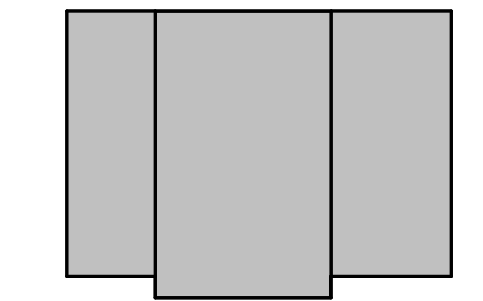
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South Fire Station #3 Renovation

Village of Oak Park Fire Department  
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**KEY PLAN**

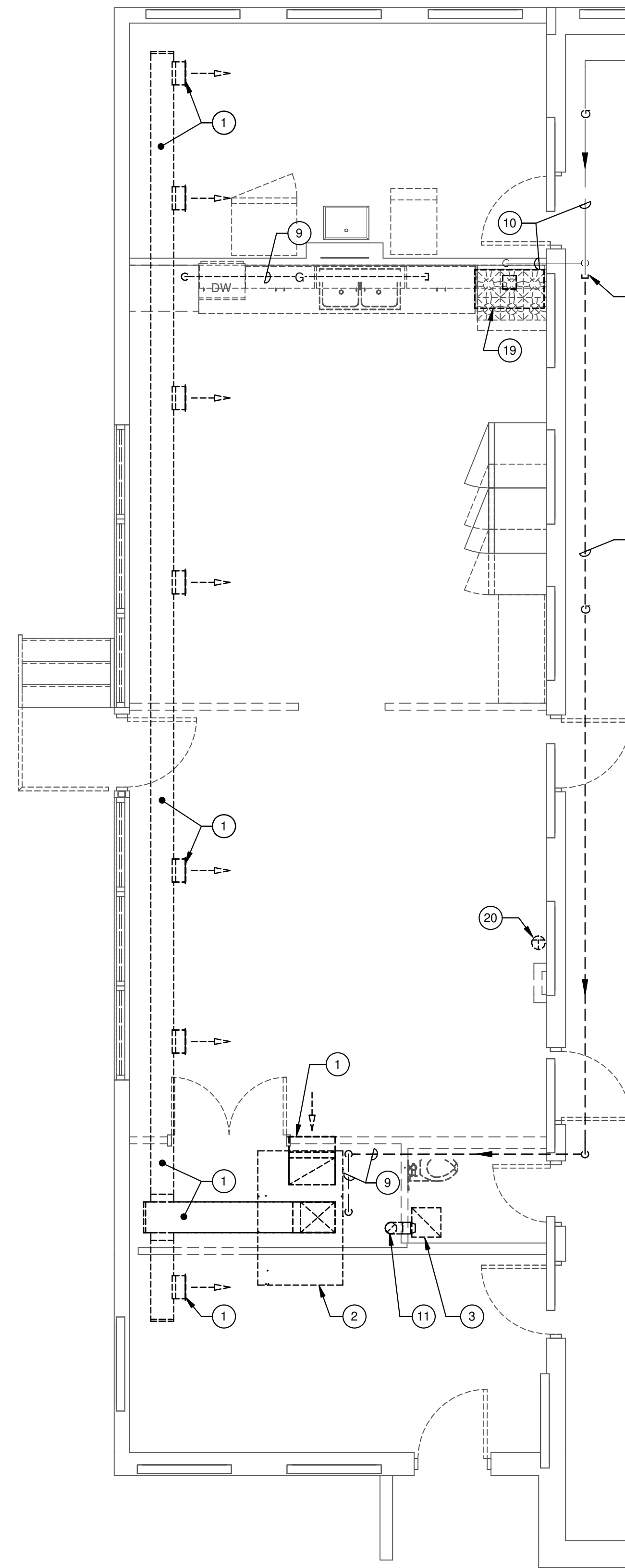
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**MEP NOTES AND DETAILS**

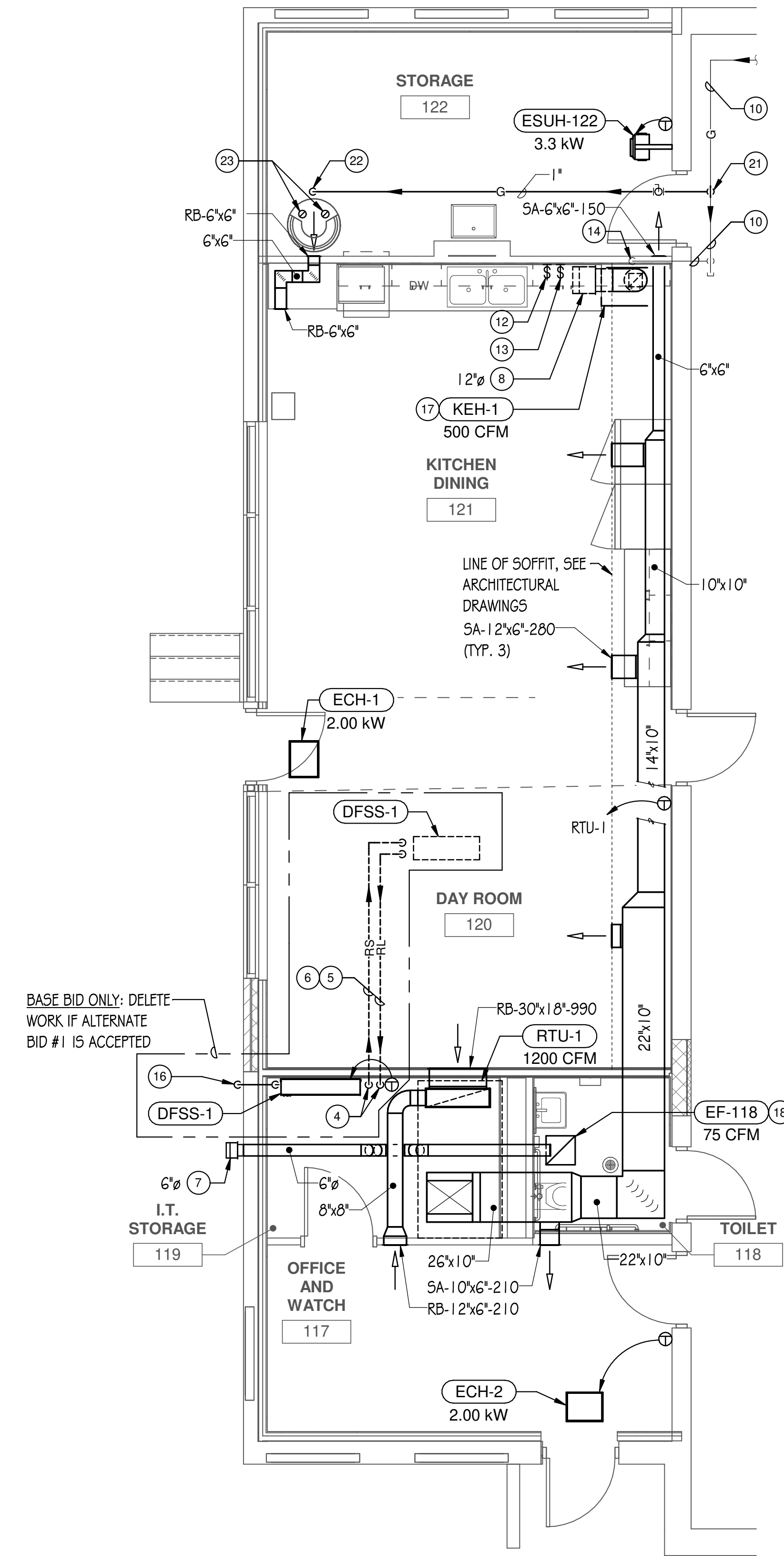
25086 **ME1.01**

**DRAWING NOTES**

- 1 REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED.
- 2 REMOVE EXISTING ROOFTOP UNIT AND ALL ASSOCIATED DUCTWORK, DAMPERS, PIPING, VALVING, CONTROLS, HANGERS, SUPPORTS, INSULATION, ETC. REMOVE ROOF CURB UNLESS NOTED OTHERWISE.
- 3 REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, GRILLES, REGISTERS, DAMPERS, INSULATION, CONTROLS, ETC.
- 4 REFRIGERANT PIPING UP THRU THE ROOF.
- 5 REFRIGERANT PIPING ON ROOF SHOWN DASHED.
- 6 REFRIGERANT PIPING SIZED, INSULATED, SUPPORTED, AND INSTALLED IN STRICT ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTION.
- 7 TERMINATE DUCT OF SIZE INDICATED THRU WALL WITH WALL HOOD FURNISHED WITH FAN OF SAME SIZE WITH BIRDSCREEN AND BACKDRAFT DAMPER.
- 8 TERMINATE DUCT OF SIZE INDICATED UP THRU ROOF WITH HOOD, BIRDSCREEN, AND BACKDRAFT DAMPER. SEE DETAIL ELSEWHERE.
- 9 REMOVE ALL PIPING, VALVING, HANGERS, INSULATION, ETC. SHOWN DASHED.
- 10 EXISTING PIPING AND VALVING TO REMAIN.
- 11 REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED UP THRU ROOF.
- 12 REMOTE MOUNTED HOOD FAN AND LIGHT SWITCH MODULE FURNISHED WITH HOOD. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR.
- 13 ANSUL PULL STATION INTERLOCKED WITH KITCHEN HOOD. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR.
- 14 MODIFY EXISTING PIPING AS REQUIRED TO MAKE FULL SIZE CONNECTION TO KITCHEN EQUIPMENT WITH HOOD MANUFACTURER'S ANSUL VALVE, FULL SIZE SHUT OFF VALVE, AND MAX. 18" FLEXIBLE GAS HOSE.
- 15 CAP EXISTING PIPE AT LOCATION SHOWN AND REMOVE ALL PIPING, VALVING, HANGERS, INSULATION, ETC. SHOWN DASHED BEYOND THIS POINT.
- 16 1" COPPER CONDENSATE PIPING DOWN ALONG WALL TO TERMINATE THRU WALL 6" ABOVE FINISHED FLOOR.
- 17 INSTALL HOOD MANUFACTURER'S INLINE EXHAUST FAN ACCESSIBLE IN CABINET ABOVE HOOD AND WIRE TO MANUFACTURER'S FAN SWITCH. WIRE MANUFACTURER'S PULL STATION, TIMER CLOCK, GAS VALVE, AND SHUT TRIP RECEPTACLE PER MANUFACTURER'S INSTRUCTION.
- 18 STEEL ROD SUSPEND FROM STRUCTURE ABOVE WITH NEOPRENE VIBRATION ISOLATORS.
- 19 REMOVE EXISTING EXHAUST HOOD AND ALL ASSOCIATED DUCTWORK, GRILLES, REGISTERS, DAMPERS, INSULATION, CONTROLS, ETC.
- 20 REMOVE EXISTING THERMOSTAT INCLUDING ALL ASSOCIATED CONDUIT, WIRING, ETC. LOCATED ABOVE ANY ACCESSIBLE CEILING BETWEEN THERMOSTAT AND THE UNIT IT CONTROLS. PROVIDE BLANK COVER PLATE OVER ALL ABANDONED JUNCTION BOXES IN WALLS THAT ARE TO REMAIN. FIELD VERIFY EQUIPMENT SERVED PRIOR TO STARTING WORK.
- 21 MAKE NEW CONNECTION TO EXISTING PIPING AT THIS LOCATION.
- 22 MAKE FINAL FULL SIZE CONNECTION TO GAS FIRED EQUIPMENT WITH MIN. 6" DIRT LEG.
- 23 4"Ø FLUE AND COMBUSTION AIR DUCTWORK TO TERMINATE THRU ROOF (MIN. 3'-0" ABOVE FINISHED ROOF) WITH MANUFACTURER'S CONCENTRIC TERMINATION KIT.



⊕ FIRST FLOOR HVAC DEMOLITION PLAN  
1/4" = 1'-0"



⊕ FIRST FLOOR HVAC PLAN  
1/4" = 1'-0"

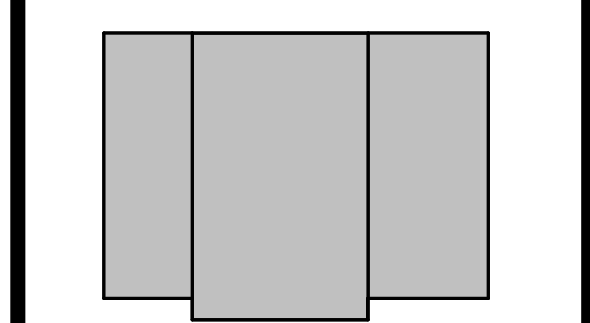
**BIDDING NOTE:**  
ALL WORK SHOWN ON THIS DRAWING TO BE IN SCOPE UNDER ANY BID UNLESS SPECIFICALLY NOTED OTHERWISE.



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**ENGINEERING GROUP LLC**

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Village of Oak Park Fire Department  
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**KEY PLAN**

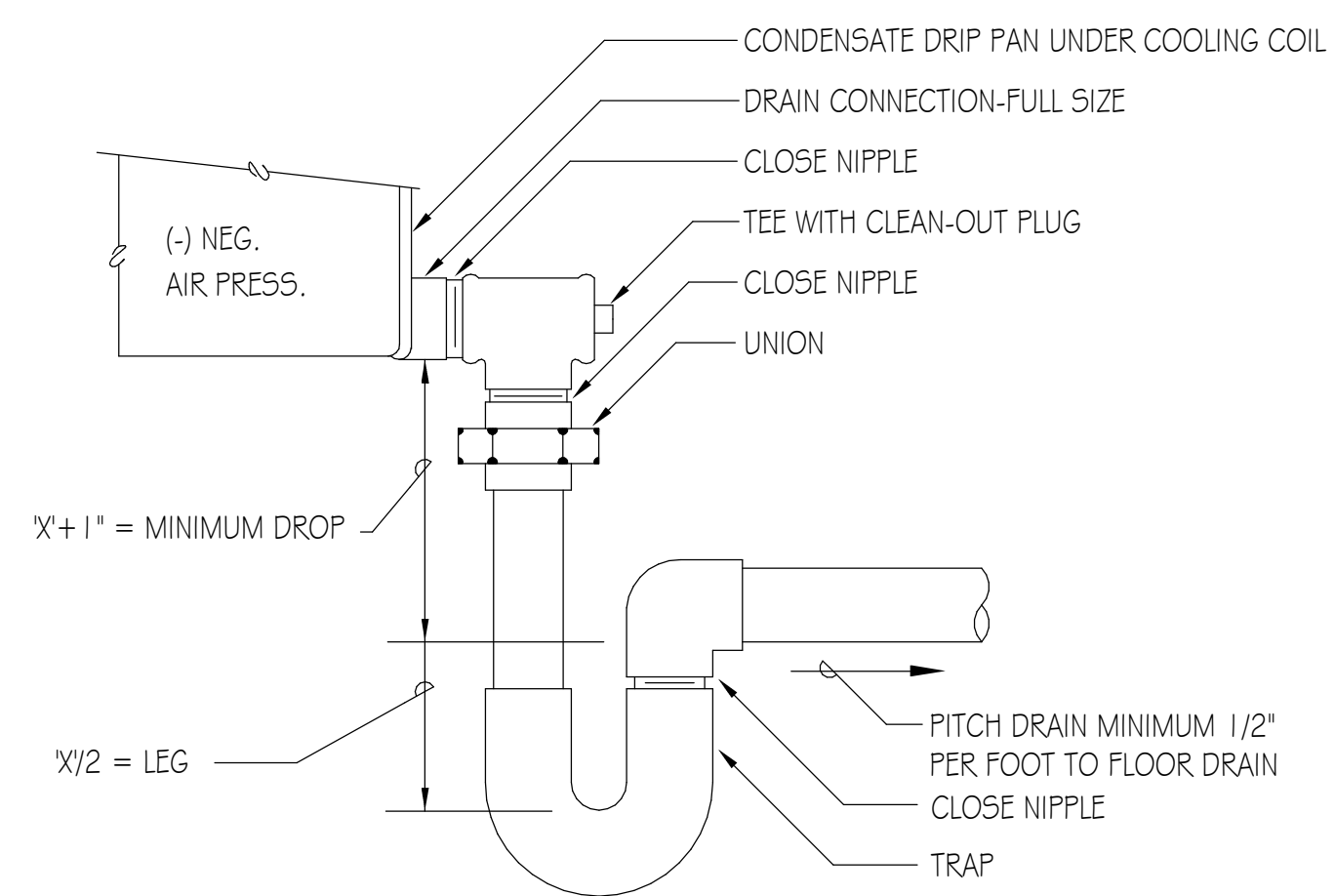
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**FIRST FLOOR HVAC PLANS**

**HV1.00**



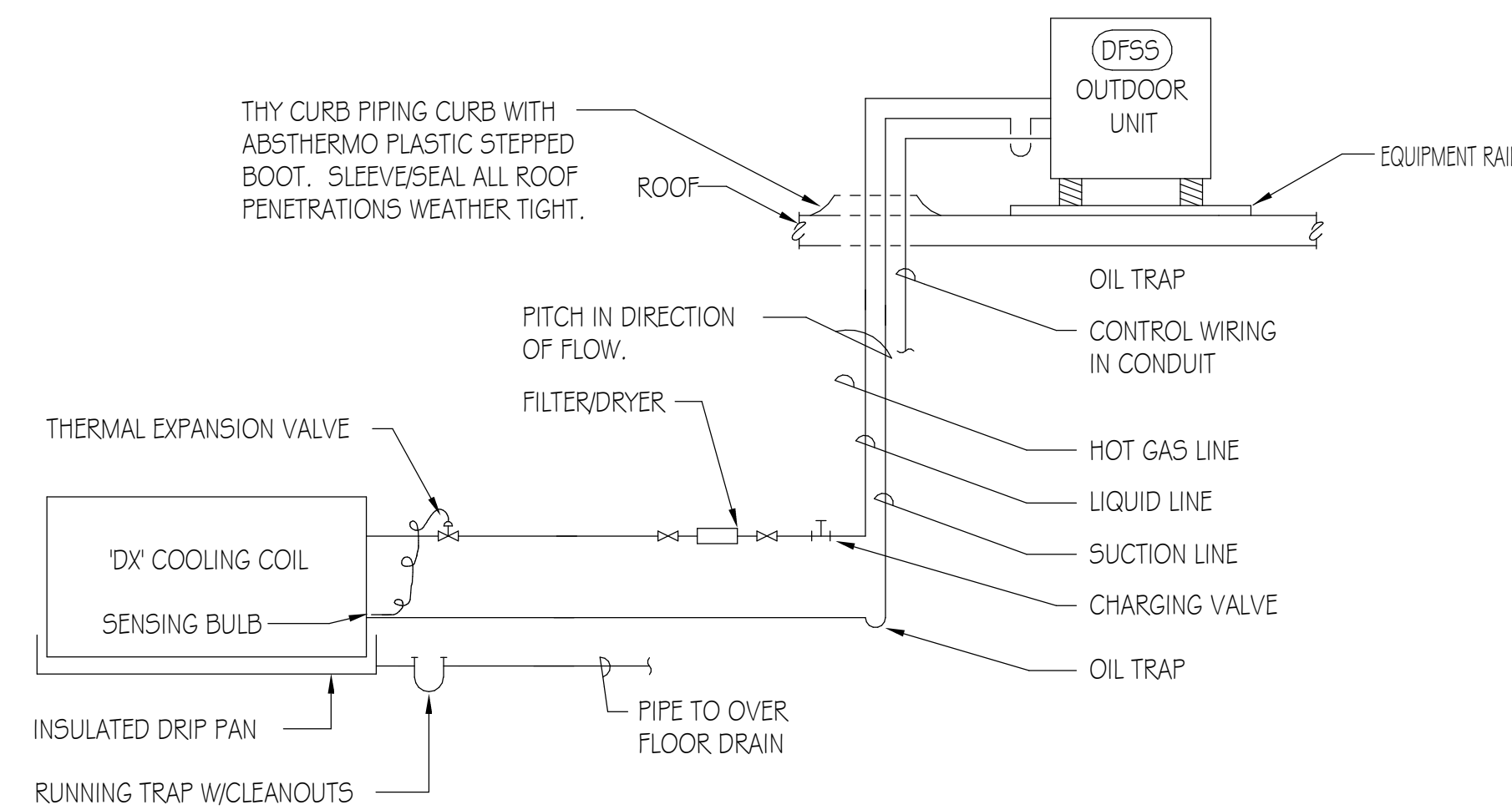




NOTES:  
1. 'X' = SUCTION PRESSURE AT FAN INLET (NEGATIVE INTERNAL S.P.)

**DRAW-THRU COOLING COIL DRIP PAN DRAIN DETAIL**

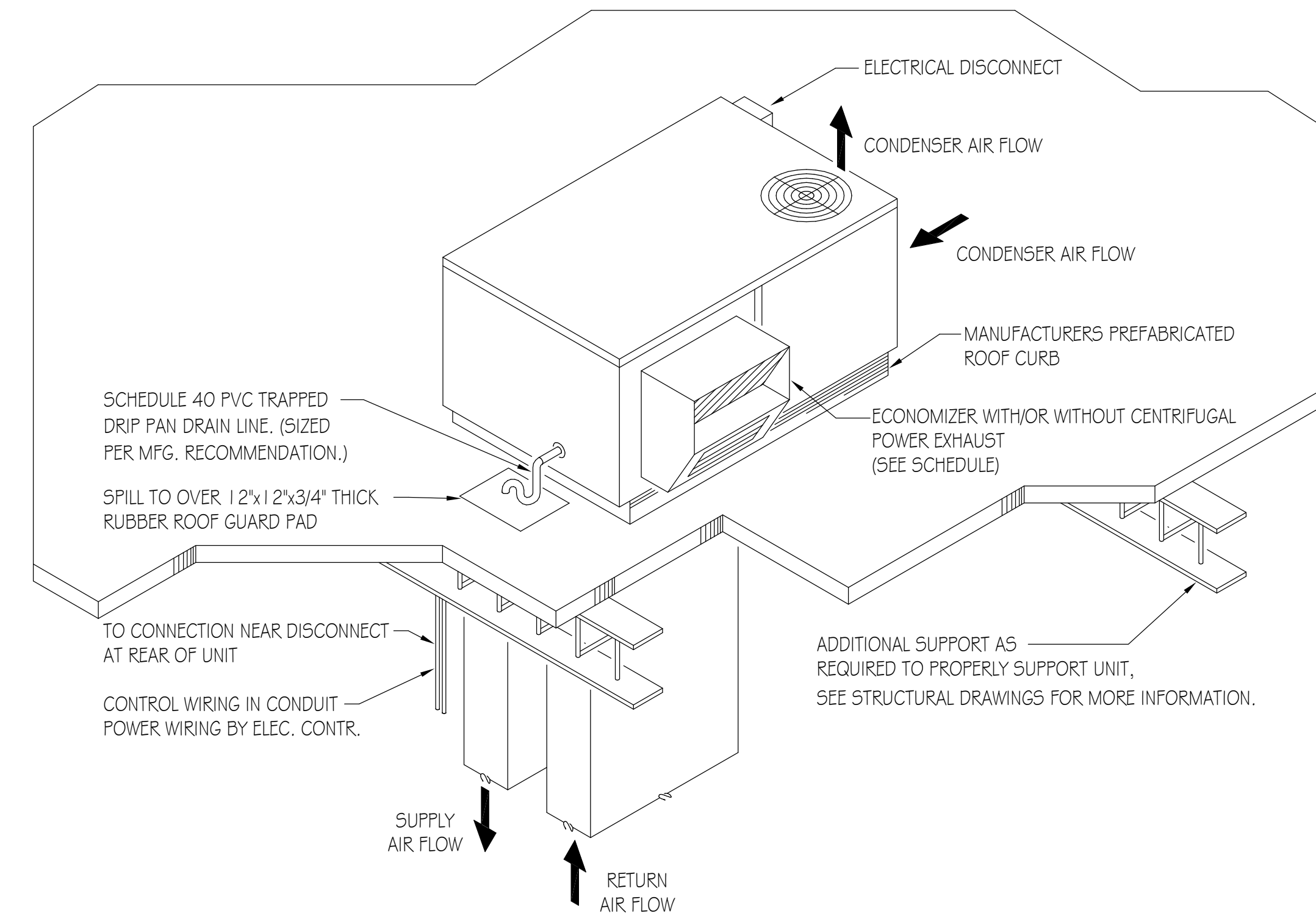
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NOTES:  
1. REFRIGERANT PIPING AS SHOWN IS TO ILLUSTRATE GENERAL REQUIREMENTS. PIPING SHALL BE SIZED, PITCHED, ARRANGED, AND CIRCUITED PER MANUFACTURER'S RECOMMENDATIONS.

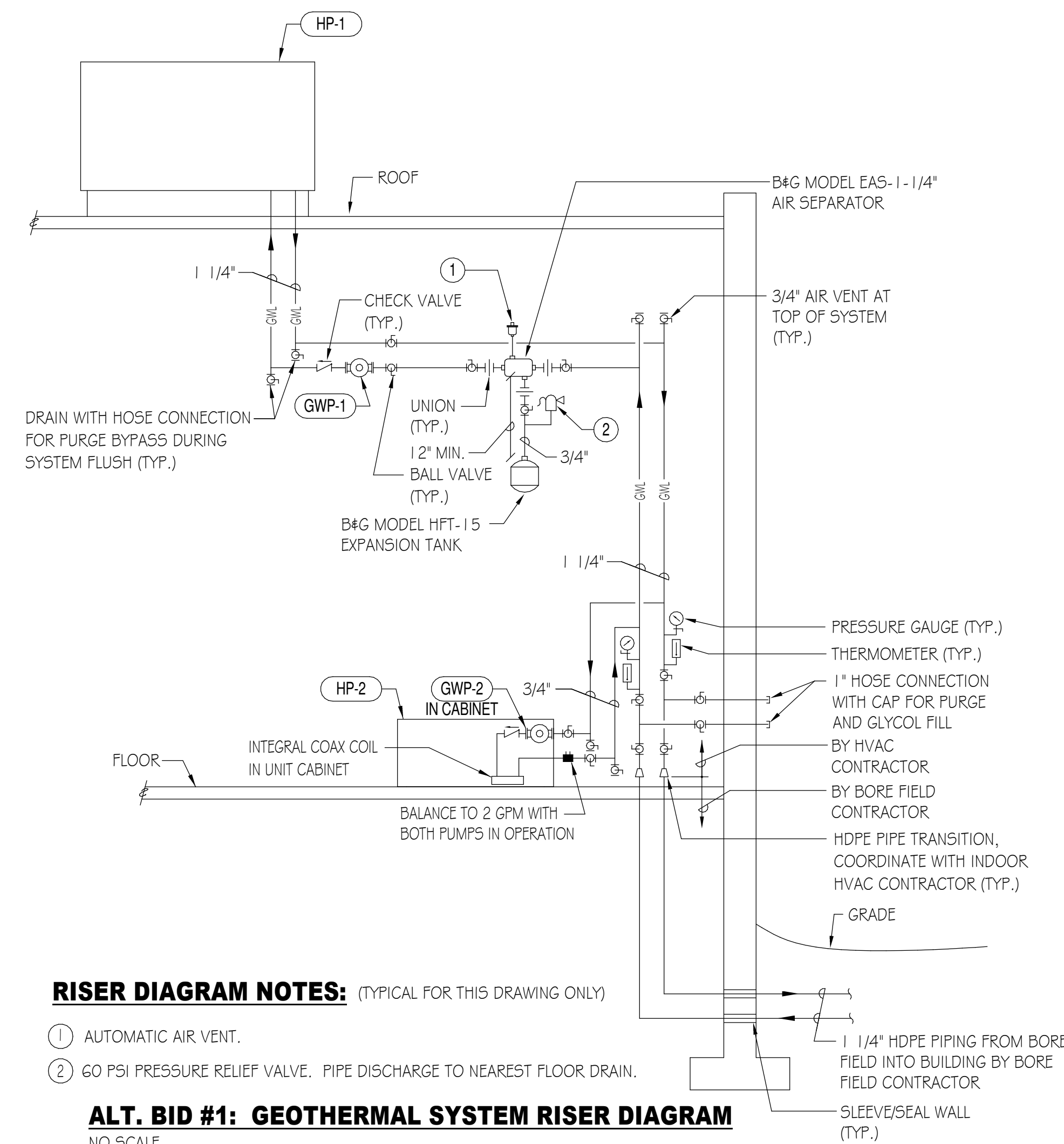
**DFSS REFRIGERANT PIPING DETAIL**

NO SCALE



**PACKAGED ROOFTOP UNIT INSTALLATION DETAIL**

NO SCALE

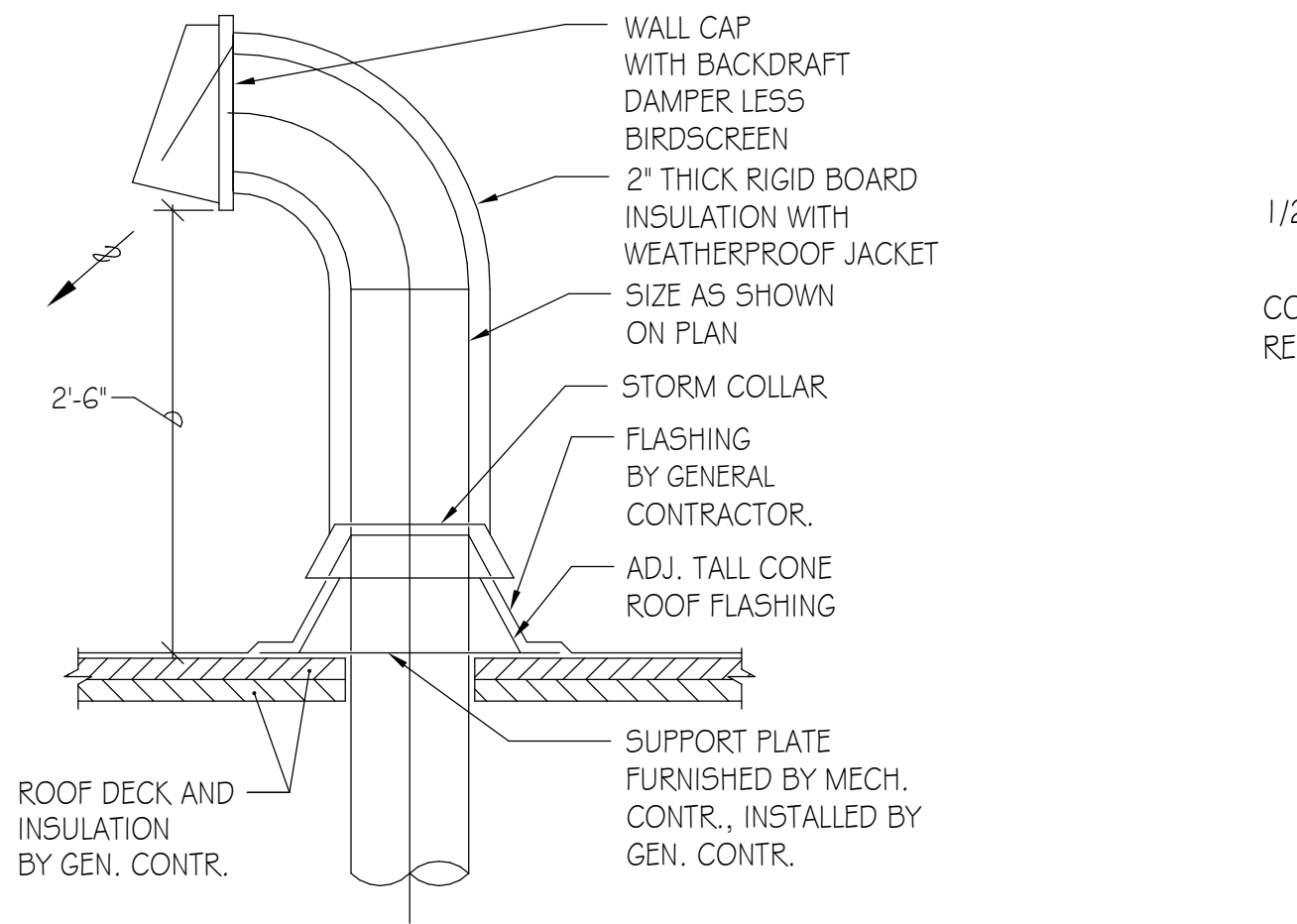


**RISER DIAGRAM NOTES:** (TYPICAL FOR THIS DRAWING ONLY)

- ① AUTOMATIC AIR VENT.
- ② 60 PSI PRESSURE RELIEF VALVE. PIPE DISCHARGE TO NEAREST FLOOR DRAIN.

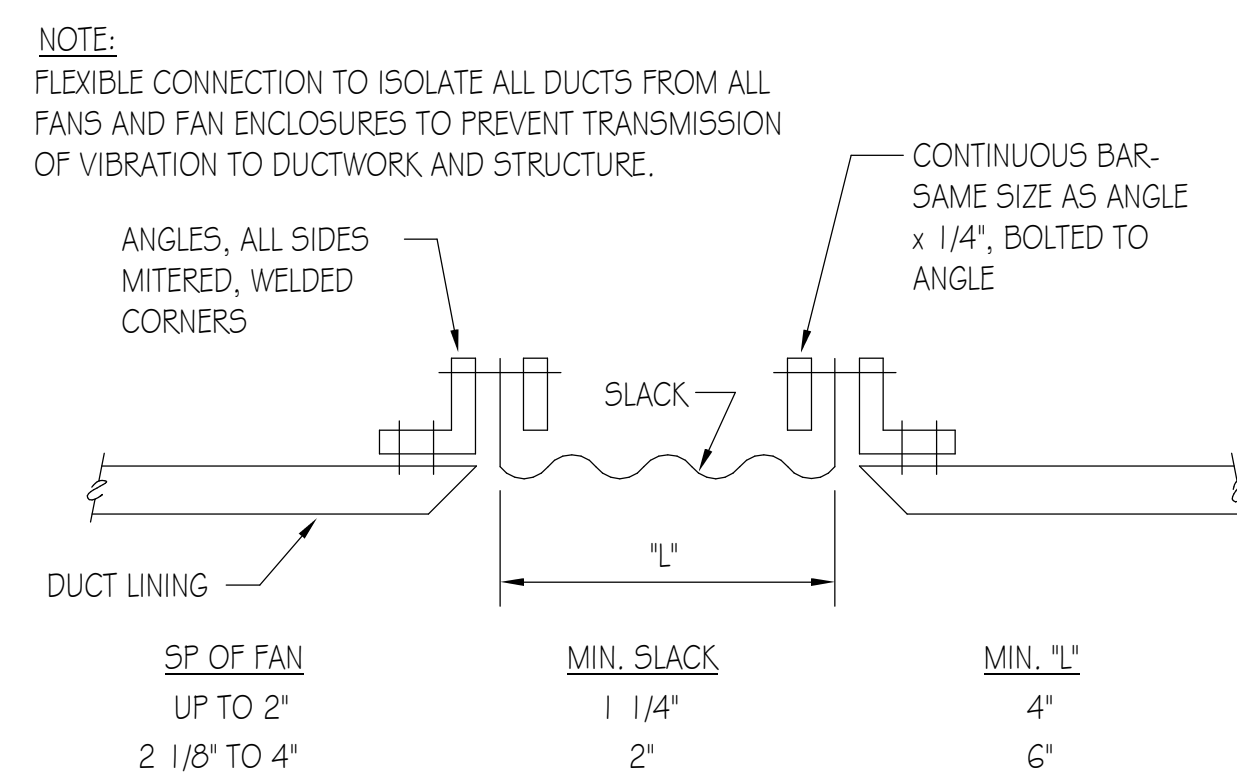
**AL.T. BID #1: GEOTHERMAL SYSTEM RISER DIAGRAM**

NO SCALE



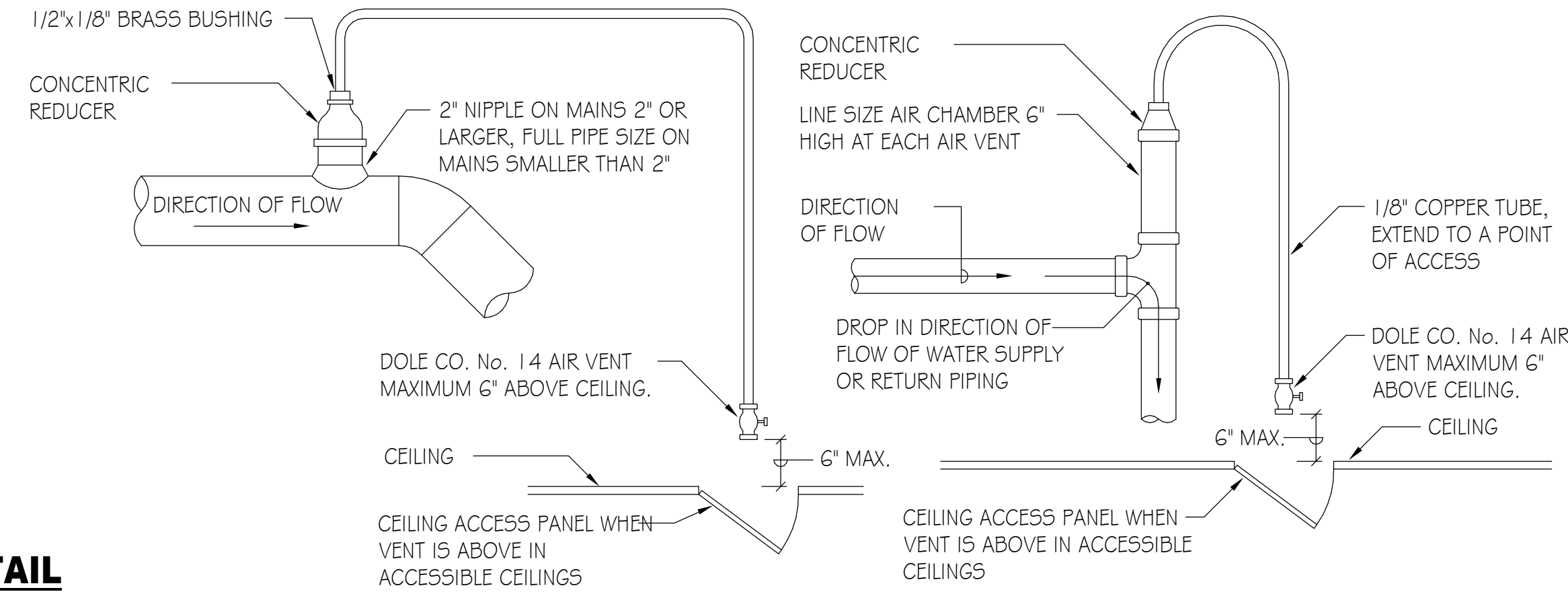
**TERMINATION OF KITCHEN HOOD THRU ROOF DETAIL**

NO SCALE



**FLEXIBLE CONNECTION**

NO SCALE



**AIR VENT AT HIGH POINTS OF MAINS**

NO SCALE

**MANUAL AIR VENT DETAIL**

NO SCALE

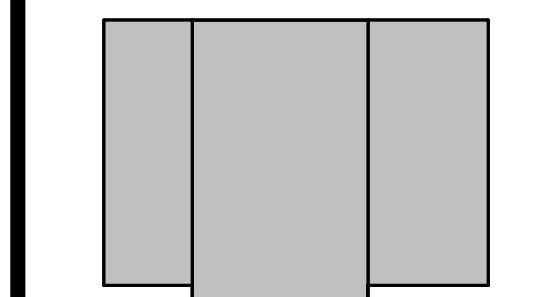


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**2010 ENGINEERING GROUP LLC**

South Fire Station #3 Renovation

Village of Oak Park Fire Department  
900 South East Ave, Oak Park, IL 60304



NO	ISSUE	DATE
•	• OUT FOR BID/ PERMIT	• 5/26/2026
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**HVAC DETAILS**

**HV4.10**

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