

REGAN YOUNG ENGLAND BUTERA
 REFERENDUMS • ENGINEERING • ARCHITECTURE • DESIGN



ADDENDUM - 01

DATE:Monday, 06 March 2023
 FROM:..... Angelo P. Butera, AIA
 VIA: Facsimile

456 HIGH ST. • MT. HOLLY, NJ 08060 USA
 (609) 265-2652 • 21A100912100 • www.RYEBREAD.com

RYEB Project #5672G
 Gloucester City BOE
 INDUSTRIAL ARTS ALTERATION
 NJDOE SP#: 1770-050-XX-XXXX

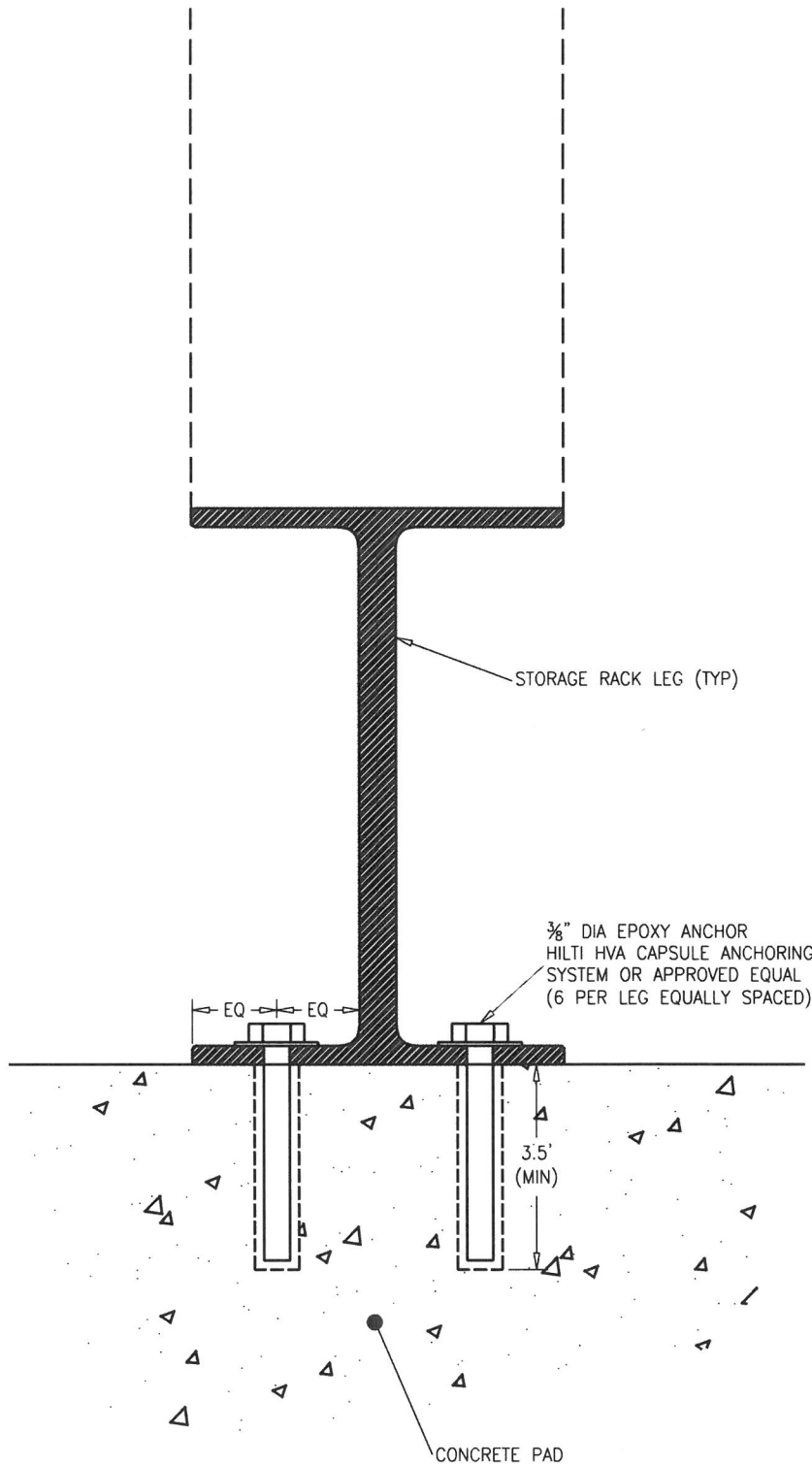
This addendum is issued to clarify, correct or supplement the Documents as originally issued and will become a part of the Contract. Receipt thereof shall be acknowledged by Bidders in space provided in the Form of Bid. Failure to acknowledge this Addendum on the official Form of Bid may be cause for rejection of Bid.

- 1.01. CLARIFICATION: Section 002000 - Form of Bid, Bidder shall correlate all required documents in the order listed on the Form of Bid & place an “X” in the box next to each item provided. Failure to provide all required documents and required number of copies may be cause for disqualification and rejection of bid.
- 1.02. ADD: Attached C-SK-01 Storage Rack Anchor Detail dated 03 Mar 23 to Sht C2.
- 1.03. CLARIFICATION: All proposed chain link fencing shall have “privacy slats” to match existing adjacent fencing.
- 1.04. CLARIFICATION: Sht AD-100, Refer to the picture below showing how the wrestling mats are attached to the wall.
- 1.05. DELETE: The following note from Sht A-100.
 “RESET EXIST’G EXHAUST TO BE TIGHT TO BRICK. SEE MECH DWGS.”
- 1.06. CHANGE: Fire extinguisher #28 on Sht ES-100 is currently wall mounted in Rm D-13A. The Contractor shall remove & relocated it where indicated on Sht ES-100.
- 1.07. CHANGE: The exist’g HVAC unit BC-64 indicate on Sht HD-100 shall be salvaged by the Contractor & returned to the Owner.
- 1.08. CHANGE: Detail-02/P101 reference to “South Jersey Gas” to “PSE&G”.
- 1.09. REPLACE: Shts FP-100, FP-101, HD-100, H-100, H-101, H-200, H-300, & H-400 w/ the attached of the same sht numbers and dated 06 Mar 23.
- 1.10. The list of current plan holders and addenda can be found at www.ryebread.com under the “Bidding” tab.



Including this page, Addendum-01 consists of (11) page(s).

END OF ADDENDUM-01



C-SK-01 STORAGE RACK ANCHOR DTL



CONSULTING AND MUNICIPAL ENGINEERS

201 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210 1460 ROUTE 9 SOUTH HOWELL, NEW JERSEY 07731-1194
 418 STOKES ROAD, MEDFORD, NEW JERSEY 08055 841 WEST BAY AVENUE, MANEGAT, NEW JERSEY 08005-2164

JOSEPH GRAY, P.E.

PROFESSIONAL ENGINEER N.J. LIC. GE54013

GLOUCESTER CITY, CAMDEN COUNTY, NEW JERSEY

INDUSTRIAL ARTS ALTERATION

BLOCK 222, LOT 6

ADDENDUM #1

DRAWN BY
JG

SCALE
NOT TO SCALE

DRAWN BY

SHEET
1 OF 1

CHECKED BY
JG

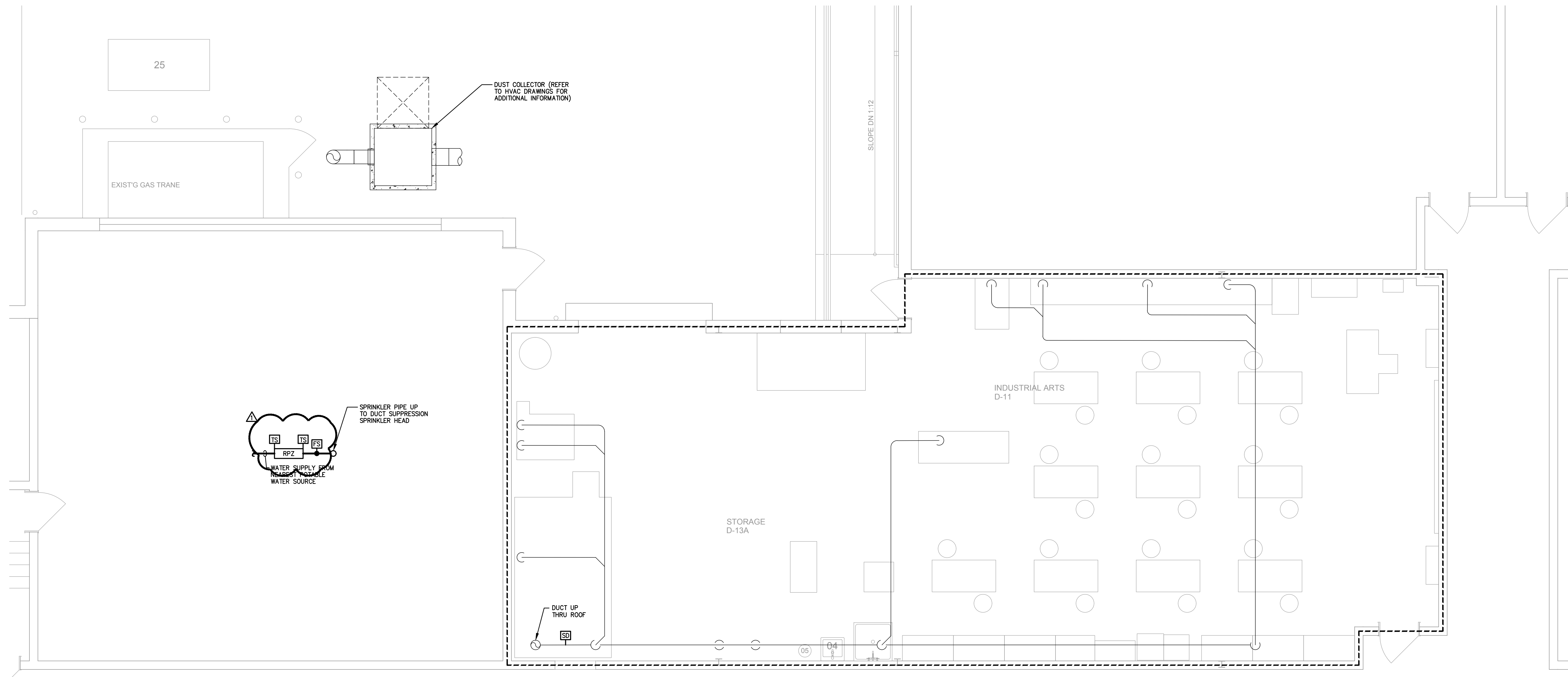
DATE
03/03/2023

TWO NAME
ADDENDUM #1

OWNER NAME
GCHSIAA-ADD1

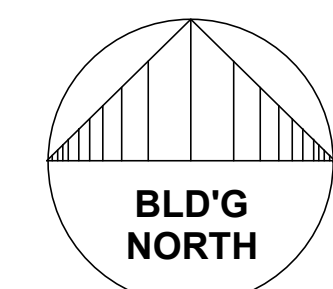
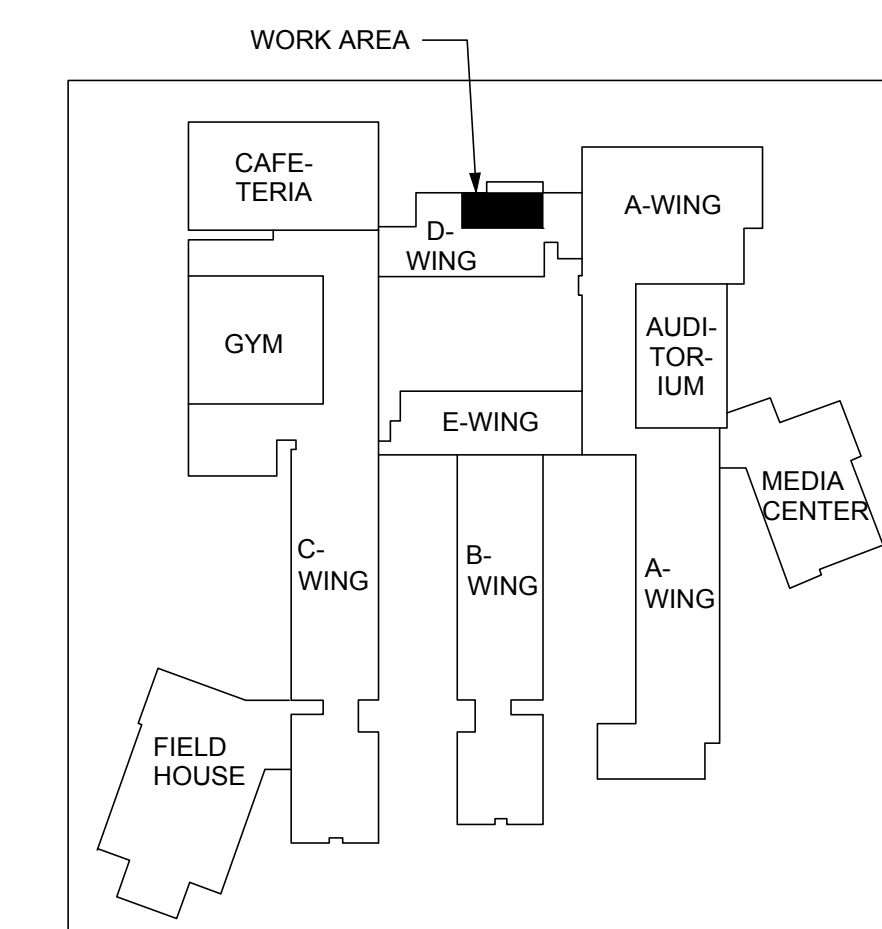
FILE NO.
MGZ00502.01

OUTDOOR WORK AREA



1
FP100 PARTIAL FIRST FLOOR PLAN - FIRE PROTECTION
 SCALE 1/4" = 1'-0"

- NOTES:
1. SPARK DETECTOR (SD) SHALL TIE BACK TO SPARK DETECTOR CONTROL PANEL; REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 2. WET PIPING TO DUCT SUPPRESSION SYSTEM SHALL BE 3/8" GLYCOL BY VOLUME. GLYCOL LOOP SHALL BE ISOLATED FROM WATER SOURCE BY WATTS MODEL 4000B REDUCED PRESSURE ZONE ASSEMBLY OR APPROVED EQUAL.
 3. GLYCOL SHALL BE NON-TOXIC, PROPYLENE GLYCOL BASED ANTIFREEZE SOLUTION DESIGNED FOR USE IN METAL PIPE WET SPRINKLER SYSTEMS AND COMPLYING WITH NFPA 2019 SECTION 7.6.2.1 AND 7.6.2.2. GLYCOL SHALL BE PROVIDED BY MANUFACTURER TO CORRECT CONCENTRATION WITH CORROSION INHIBITORS BLENDED INTO MIXTURE. FREEZE POINT SHALL BE 0°F, FLOW POINT SHALL BE -15°F, BURST POINT SHALL BE -50°F, AND SPECIFIC GRAVITY AT 77°F SHALL BE 1.037.
 4. RPZ SHALL BE AMES MODEL 4000B-FP OR APPROVED EQUAL WITH THREADED CONNECTIONS, TOP ENTRY, CAPTURED SPRINGS, INTERNAL RELIEF VALVE, REPLACEABLE VALVE SEATS, BRONZE BODY, BALL-VALVED TEST COCKS, WITH FACTORY PRE-WIRED TAMPER SWITCHES. PROVIDE AIR GAP FITTING ON RELIEF PORT AND PIPE TO NEAREST EXISTING FLOOR DRAIN.



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 PRINCETON JUNCTION, NEW JERSEY 08550

Frank Tindall, P.E.
 Professional Engineer
 NJ 38656

NJDOE SP #1770-050-XX-XXXX

PROJECT TITLE:
**INDUSTRIAL ARTS
 ALTERATION**

ADDRESS:
**GLOUCESTER CITY HIGH SCHOOL
 BLOCK 222 / LOT 6
 1300 MARKET STREET
 GLOUCESTER CITY, NJ 08030**

PROJECT NO.: **5672G**

SUBMISSION DATE:

REVISION DATE:

06 MAR 23 ADDENDUM 1

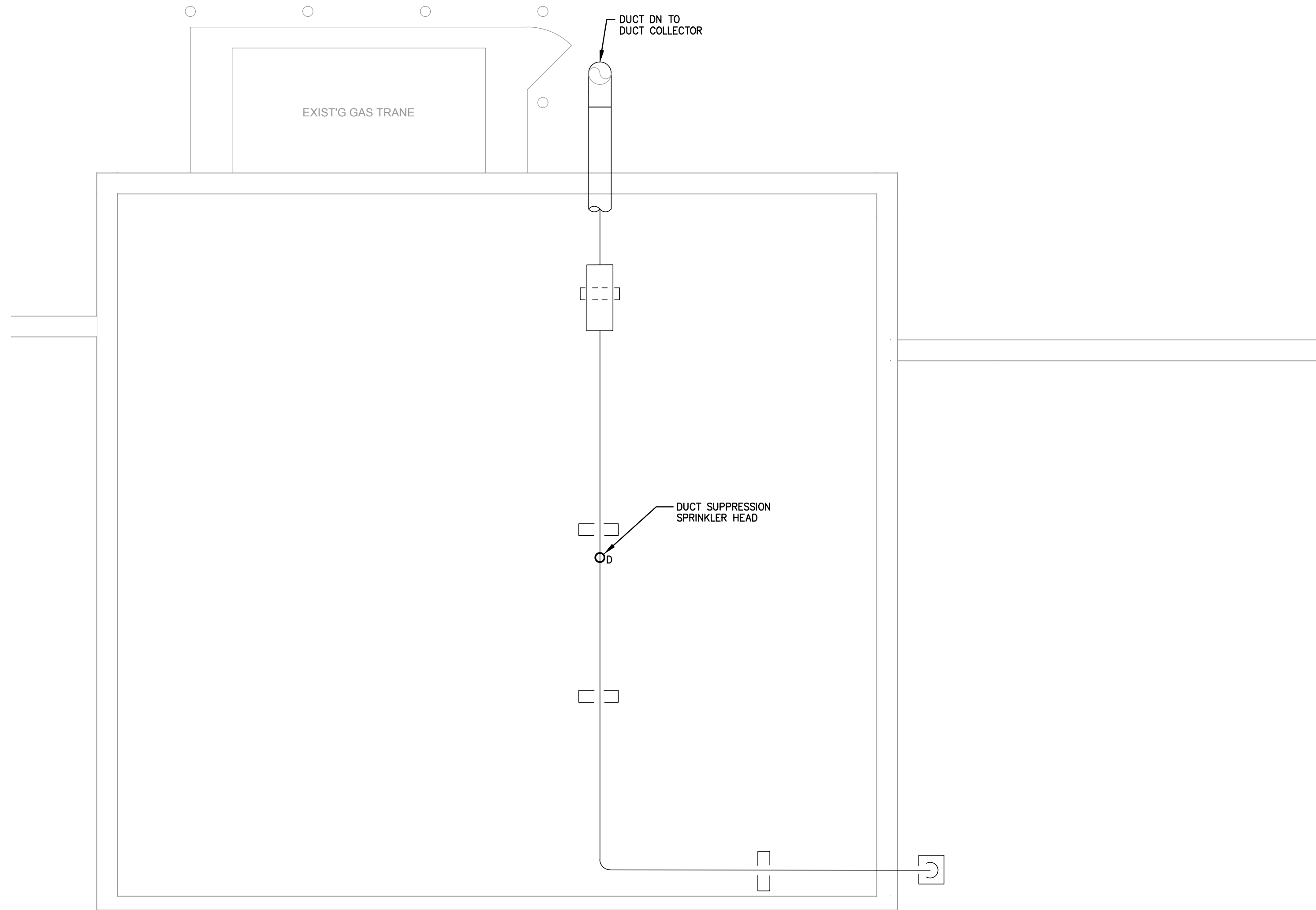
DRAWING DATE: **24 FEB 2023**

PRINT DATE: **24 FEB 2023**

DRAWN BY: **ACL**

SHEET TITLE: **PARTIAL FIRST FLOOR
 PLAN - FIRE PROTECTION**

FP-100

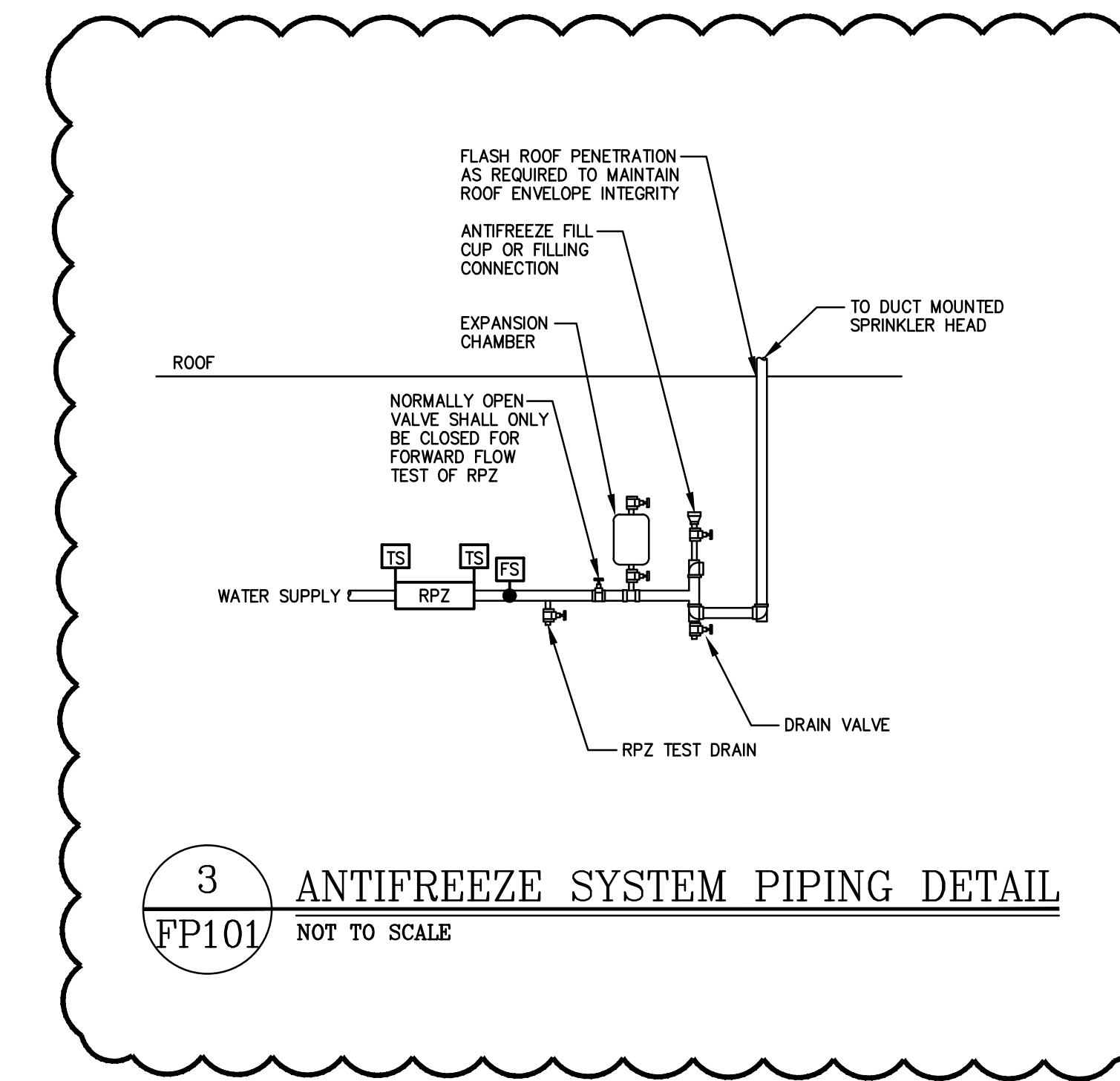
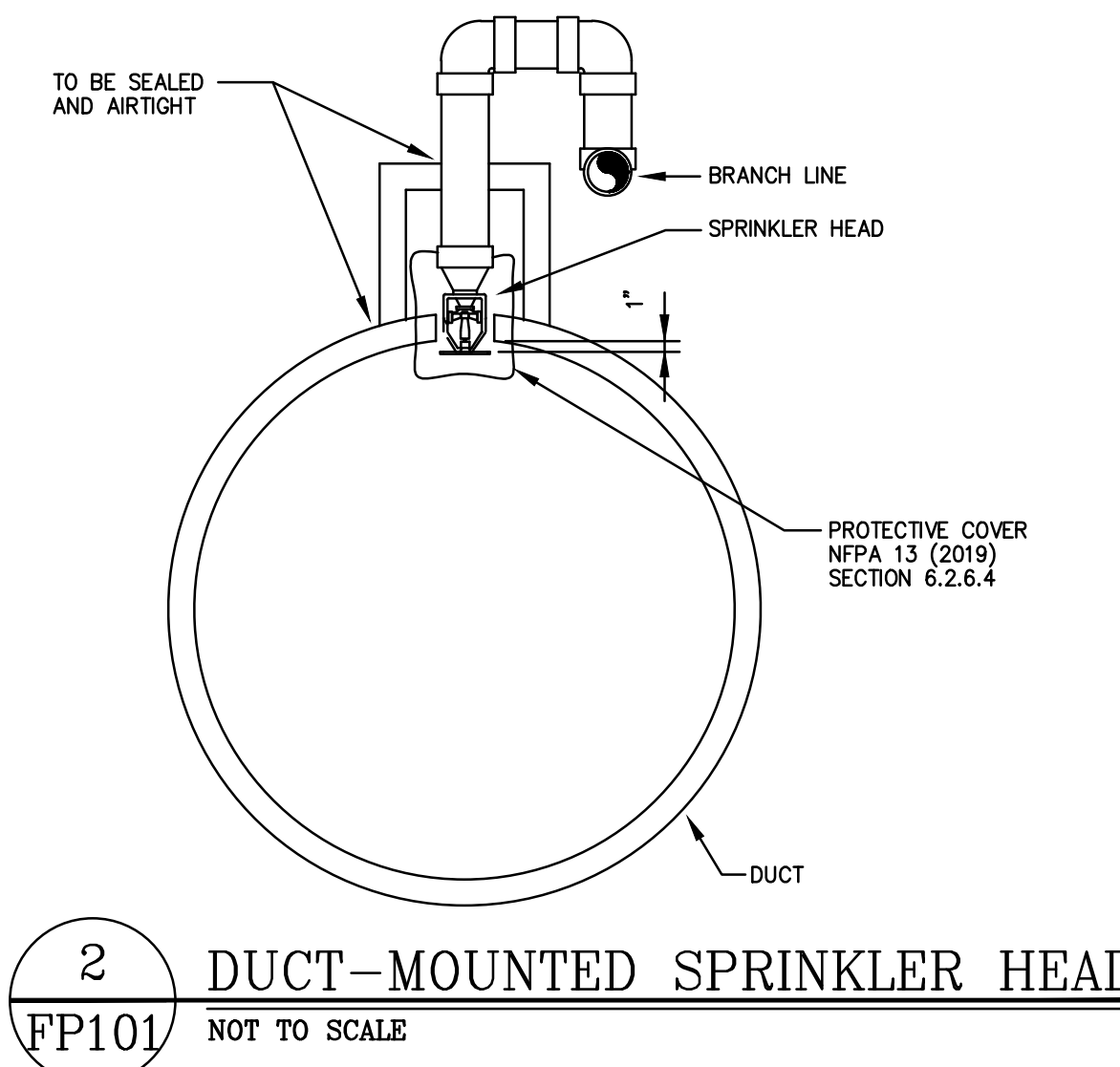


1 PARTIAL FIRST FLOOR PLAN - FIRE PROTECTION
 SCALE 1/4" = 1'-0"
 FP101

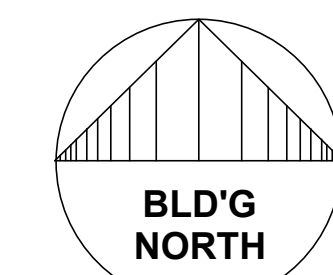
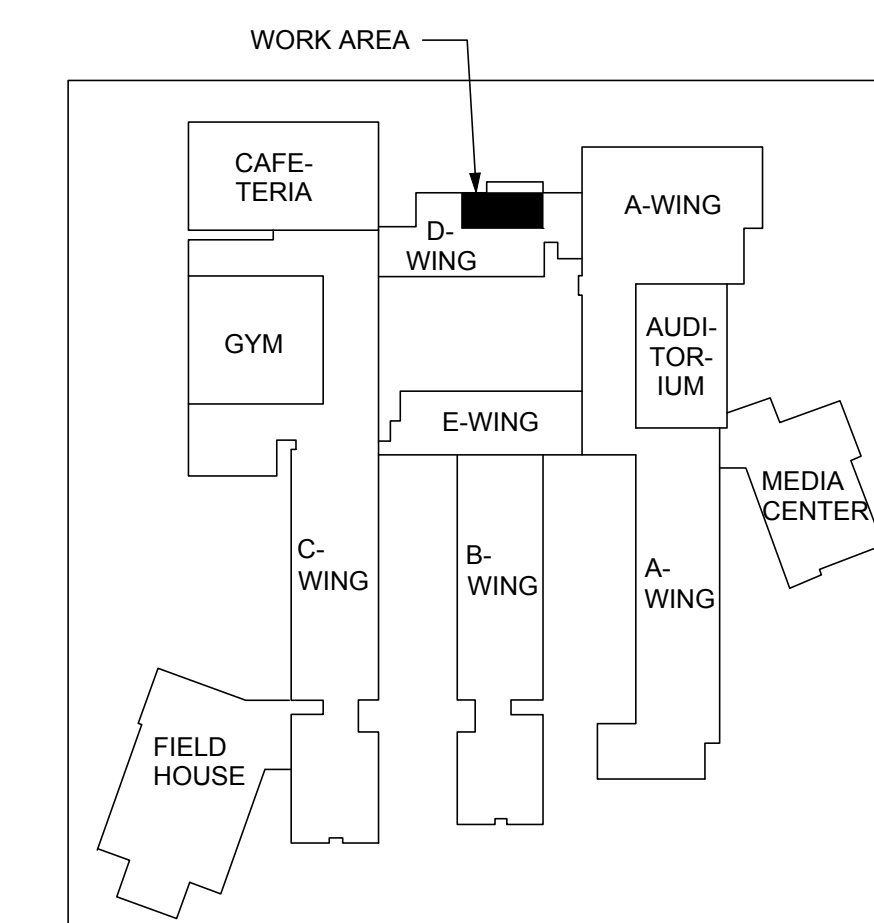
- NOTES:
- DUCT SUPPRESSION SPRINKLER HEAD SHALL BE ELECTRONICALLY ACTUATED UPON RECEIPT OF SIGNAL FROM SPARK DETECTOR CONTROL PANEL; REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

FIRE PROTECTION NOTES:

- THE CONTRACTOR SHALL PERFORM THE SPRINKLER WORK IN ACCORDANCE WITH GENERAL AND SPECIFIC CONDITIONS OF THE SPECIFICATIONS AND BUILDING CODE STANDARDS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE NEW JERSEY STATE UNIFORM BUILDING CODE, NFPA-13 AND LOCAL FIRE CODE AUTHORITIES.
- WORK SHALL INCLUDE THE PROVIDING OF ALL LABOR, MATERIALS, EQUIPMENT, ACCESSORIES AND TESTS NECESSARY TO COMPLETE AND MAKE READY FOR OPERATION THE INSTALLATION OF THE AUTOMATIC WET PIPE SPRINKLER SYSTEM WITH LIGHT AND ORDINARY HAZARD OCCUPANCY AS NOTED ON THE DRAWINGS.
- THE INSTALLATION SHALL BE ACCOMPLISHED BY AN AUTHORIZED SPRINKLER CONTRACTOR RECOGNIZED AS A FULLY EXPERIENCED SPECIALIST IN AUTOMATIC SPRINKLER SYSTEMS BY THE STATE OF NEW JERSEY.
- SEE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR CONSTRUCTION AND INTERFERENCE DETAILS. ANY CHANGES THAT MAY BE NECESSARY BECAUSE OF THE PHYSICAL CONDITIONS OR COMPLIANCE WITH THE CODES AND STANDARDS SHALL BE MADE BY THE SPRINKLER CONTRACTOR WITHOUT ADDITIONAL COST.
- BEFORE COMMENCEMENT OF ANY WORK, COMPLETE AND SUBMIT 3 SIGNED AND SEALED COPIES OF THE DESIGN DRAWINGS TO THE CONSTRUCTION MANAGER FOR REVIEW BY LOCAL AUTHORITIES AND OTHER AGENCIES HAVING JURISDICTION THEREOF.
- DESIGN CRITERIA FOR THE HYDRAULIC CALCULATIONS SHALL INCLUDE:
 - AVAILABLE STATIC PRESSURE.
 - THE MINIMUM WATER SUPPLY REQUIREMENT AND GPM PER SQUARE FOOT.
 - AREA OF HYDRAULIC DEMAND.
 - OCCUPANCY HAZARD CLASSIFICATION.
 - SPRINKLER PIPING AND FITTING MATERIALS.
 - ALL EXISTING WATER SOURCES, SIZES AND AVAILABLE PRESSURE INCLUDING OBTAINING A HYDRANT FLOW TEST AND SUBMISSION OF TEST RESULTS TO ENGINEER ALONG WITH HYDRAULIC CALCULATIONS FOR REVIEW OF PROPOSED INSTALLATION OF SPRINKLER AND RELATED FIRE PROTECTION SYSTEMS.
- THE CONTRACTOR SHALL MAKE MODIFICATIONS IN RESPECT TO LOCATION AND NUMBERS OF SPRINKLER HEADS, AS MAY BE REQUIRED BY FIELD CONDITIONS, CODE REQUIREMENTS OR AS MAY BE FOUND NECESSARY BY THE ARCHITECT AT THE TIME OF INSTALLATION. NO EXTRA COMPENSATION WILL BE ALLOWED. FITTINGS, HANGERS, MEANS OF DRAINING SYSTEM AND ALL NECESSARY APPURTENANCES SHALL BE INSTALLED AS REQUIRED.
- THE SYSTEM SHALL BE INSTALLED SO THAT NO PART THEREOF WILL INTERFERE WITH DOORS, WINDOWS, HEATING, PLUMBING OR ELECTRICAL EQUIPMENT. SPRINKLER HEADS SHALL NOT BE LOCATED CLOSER THAN ONE FOOT FROM LIGHTING FIXTURES OR OTHER OBSTRUCTIONS. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES SO AS TO AVOID ANY INTERFERENCE WITH THE AUTOMATIC SPRINKLER SYSTEM.
- EXTRA CHARGES OR COMPENSATION WILL NOT BE ALLOWED ON ACCOUNT OF THE DIFFERENCES BETWEEN ACTUAL MEASUREMENTS AND THE DIMENSIONS SHOWN ON THE DRAWINGS, BUT ANY SUCH DIFFERENCES WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR ADJUSTMENT. BEFORE PROCEEDING WITH WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF CEILING HEIGHTS, MEASUREMENTS AND CONDITIONS AS REQUIRED FOR PROPER INSTALLATION.
- CONTRACTOR SHALL COORDINATE SPRINKLER PIPING LAYOUT AND DIMENSIONS WITH LIGHT FIXTURES, HVAC DUCTWORK AND ARCHITECTURAL ELEMENTS.



FIRE PROTECTION SYMBOL LIST					
ABBREVIATION	SYMBOL	DESCRIPTION	ABBREVIATION	SYMBOL	DESCRIPTION
	○D	ELECTRONIC RELEASE DUCT SUPPRESSION SYSTEM SPRINKLER HEAD	PG	⊕	PRESSURE GAUGE
BV	⊘	BALL VALVE	FC	⊕	FLEXIBLE CONNECTION
RCV	⊘	RISER CONTROL VALVE		⊕	PIPING DROP
ABD	⊘	FIRE DEPARTMENT SIAMESE CONNECTION AUTOMATIC BALL-CUP OR CHECK VALVE		⊕	PIPING RISE
WFS	⊕	WATER FLOW SWITCH		⊕	BRANCH - TOP CONNECTION
PRV	⊕	PRESSURE REDUCING VALVE		⊕	BRANCH - BOTTOM CONNECTION
CV	⊕	CHECK VALVE	CO	⊕	CAPPED OUTLET
AV	⊕	ANGLE VALVE	PS	⊕	PRESSURE SWITCH
	⊕	VALVE ON VERTICAL	TS	⊕	TAMPER SWITCH
PAV	⊕	PRE-ACTION VALVE (WITH ALL RELATED APPURTENANCES)	SD	⊕	SPARK DETECTOR
FDC	⊕	WALL MOUNTED FIRE DEPARTMENT SIAMESE CONNECTION	RPZ	⊕	REDUCED PRESSURE ZONE VALVE ASSEMBLY



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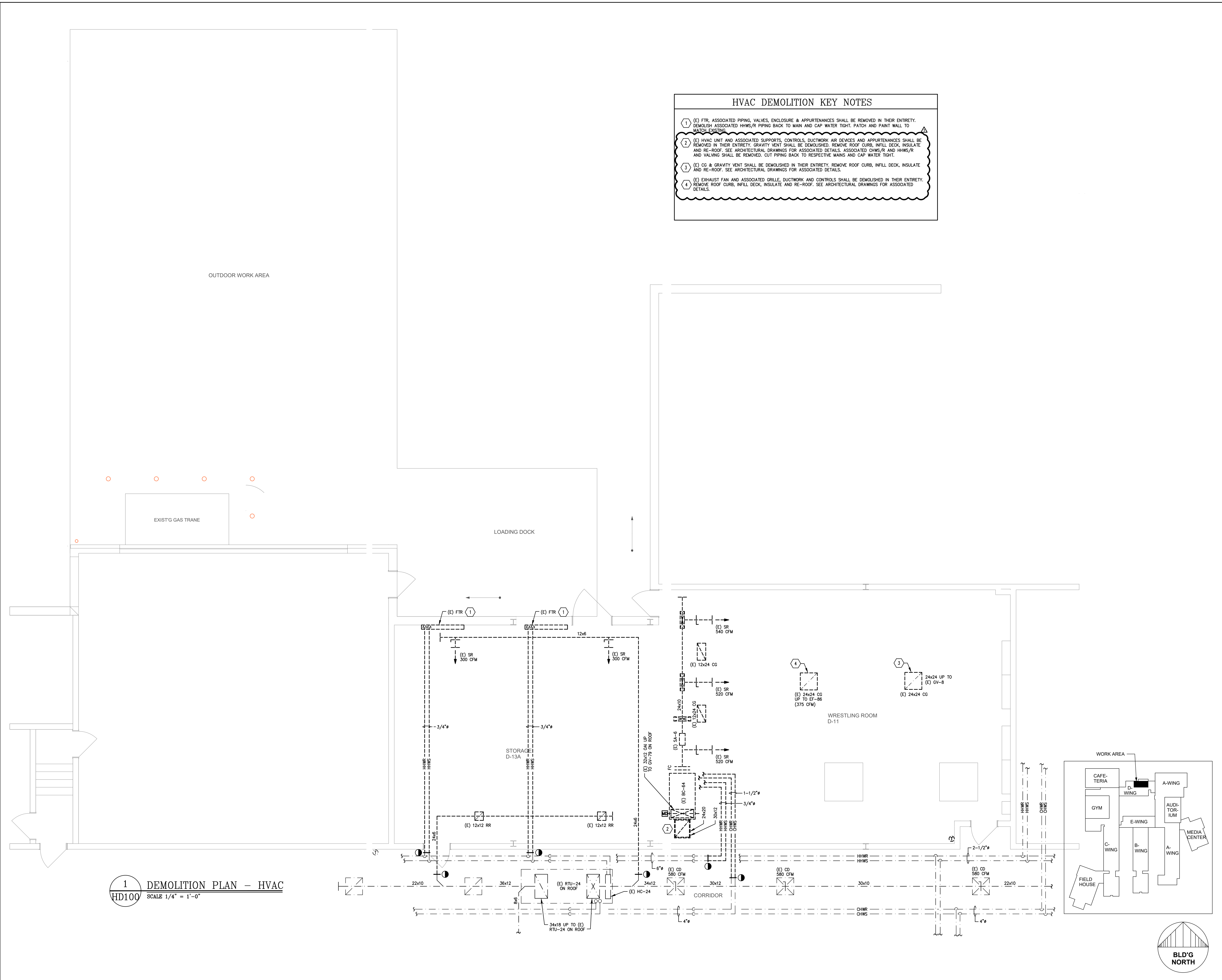
PROJECT TITLE:
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ADDRESS:
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 BLOCK 222 / LOT 6
 1300 MARKET STREET
 GLOUCESTER CITY, NJ 08030**

PROJECT NO.: **5672G**

SUBMISSION DATE:	
REVISION DATE:	
06 MAR 23	ADDENDUM 1

DRAWING DATE:	24 FEB 2023
PRINT DATE:	24 FEB 2023
DRAWN BY:	ACL
SHEET TITLE:	PARTIAL ROOF PLAN, SYMBOLS LIST & DETAIL - FIRE PROTECTION



- ### HVAC DEMOLITION KEY NOTES
- ① (E) FTR, ASSOCIATED PIPING, VALVES, ENCLOSURE & APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. DEMOLISH ASSOCIATED HHWS/R PIPING BACK TO MAIN AND CAP WATER TIGHT. PATCH AND PAINT WALL TO MATCH EXISTING.
 - ② (E) HVAC UNIT AND ASSOCIATED SUPPORTS, CONTROLS, DUCTWORK AIR DEVICES AND APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. GRAVITY VENT SHALL BE DEMOLISHED. REMOVE ROOF CURB, INFILL DECK, INSULATE AND RE-ROOF. SEE ARCHITECTURAL DRAWINGS FOR ASSOCIATED DETAILS. ASSOCIATED CHWS/R AND HHWS/R AND VALVING SHALL BE REMOVED. CUT PIPING BACK TO RESPECTIVE MAINS AND CAP WATER TIGHT.
 - ③ (E) CG & GRAVITY VENT SHALL BE DEMOLISHED IN THEIR ENTIRETY. REMOVE ROOF CURB, INFILL DECK, INSULATE AND RE-ROOF. SEE ARCHITECTURAL DRAWINGS FOR ASSOCIATED DETAILS.
 - ④ (E) EXHAUST FAN AND ASSOCIATED GRILLE, DUCTWORK AND CONTROLS SHALL BE DEMOLISHED IN THEIR ENTIRETY. REMOVE ROOF CURB, INFILL DECK, INSULATE AND RE-ROOF. SEE ARCHITECTURAL DRAWINGS FOR ASSOCIATED DETAILS.

1 DEMOLITION PLAN - HVAC
 HD100 SCALE 1/4" = 1'-0"

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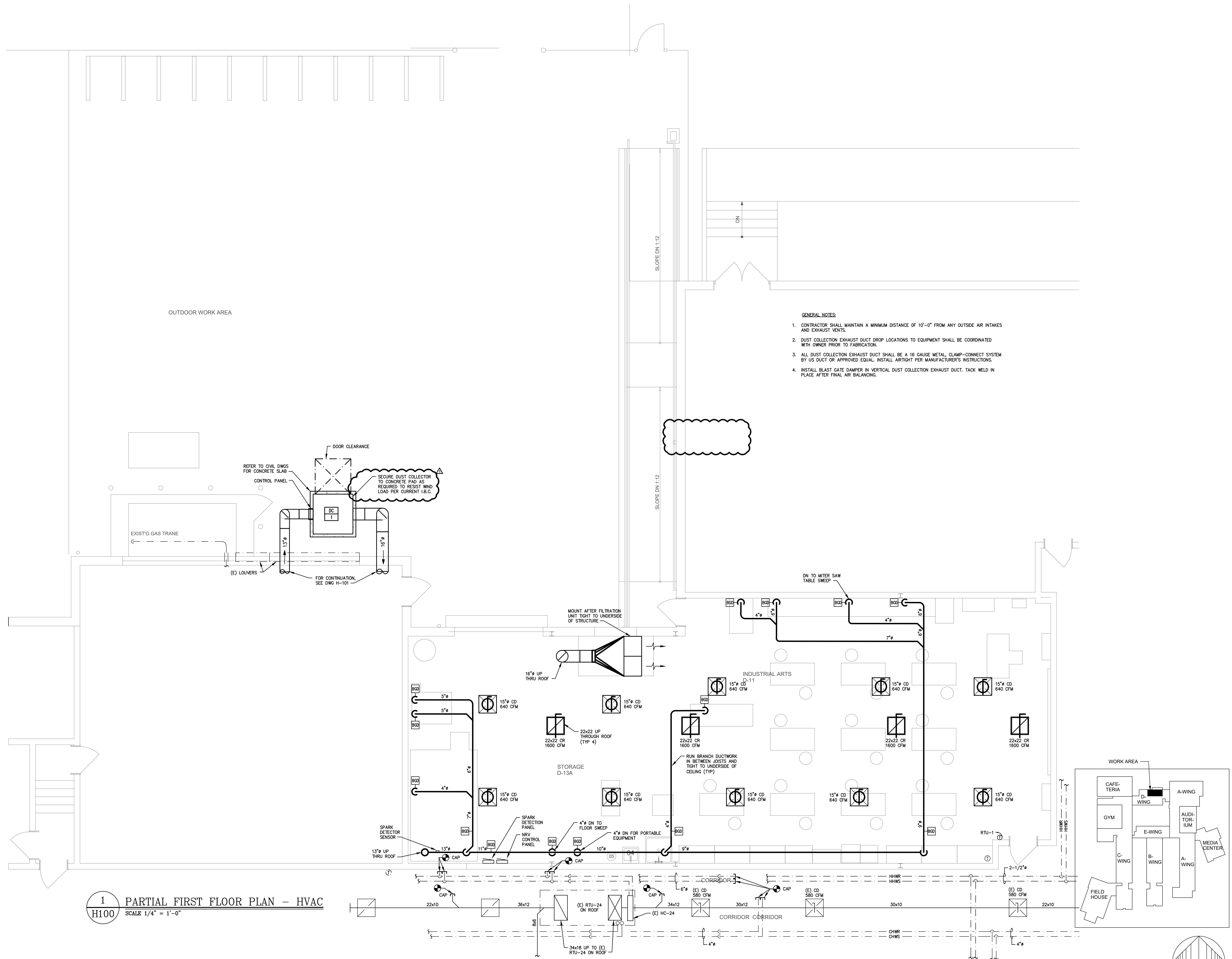
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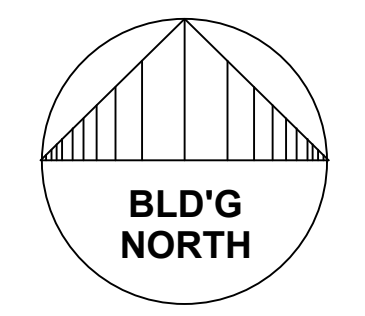
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PRINT DATE:	24 FEB 2023
DRAWN BY:	SLB
SHEET TITLE:	DEMOLITION PLAN - HVAC

HD-100
 1 OF 6
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- GENERAL NOTES:**
1. CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE OF 10'-0" FROM ANY OUTSIDE AIR INTAKES AND EXHAUST VENTS.
 2. DUST COLLECTION EXHAUST DUCT DROP LOCATIONS TO EQUIPMENT SHALL BE COORDINATED WITH OWNER PRIOR TO FABRICATION.
 3. ALL DUST COLLECTION EXHAUST DUCT SHALL BE A 16 GAUGE METAL, CLAMP-CONNECT SYSTEM BY US DUCT OR APPROVED EQUAL. INSTALL AIRTIGHT PER MANUFACTURER'S INSTRUCTIONS.
 4. INSTALL BLAST GATE DAMPER IN VERTICAL DUST COLLECTION EXHAUST DUCT. TACK WELD IN PLACE AFTER FINAL AIR BALANCING.

1 PARTIAL FIRST FLOOR PLAN - HVAC
 H100 SCALE 1/4" = 1'-0"



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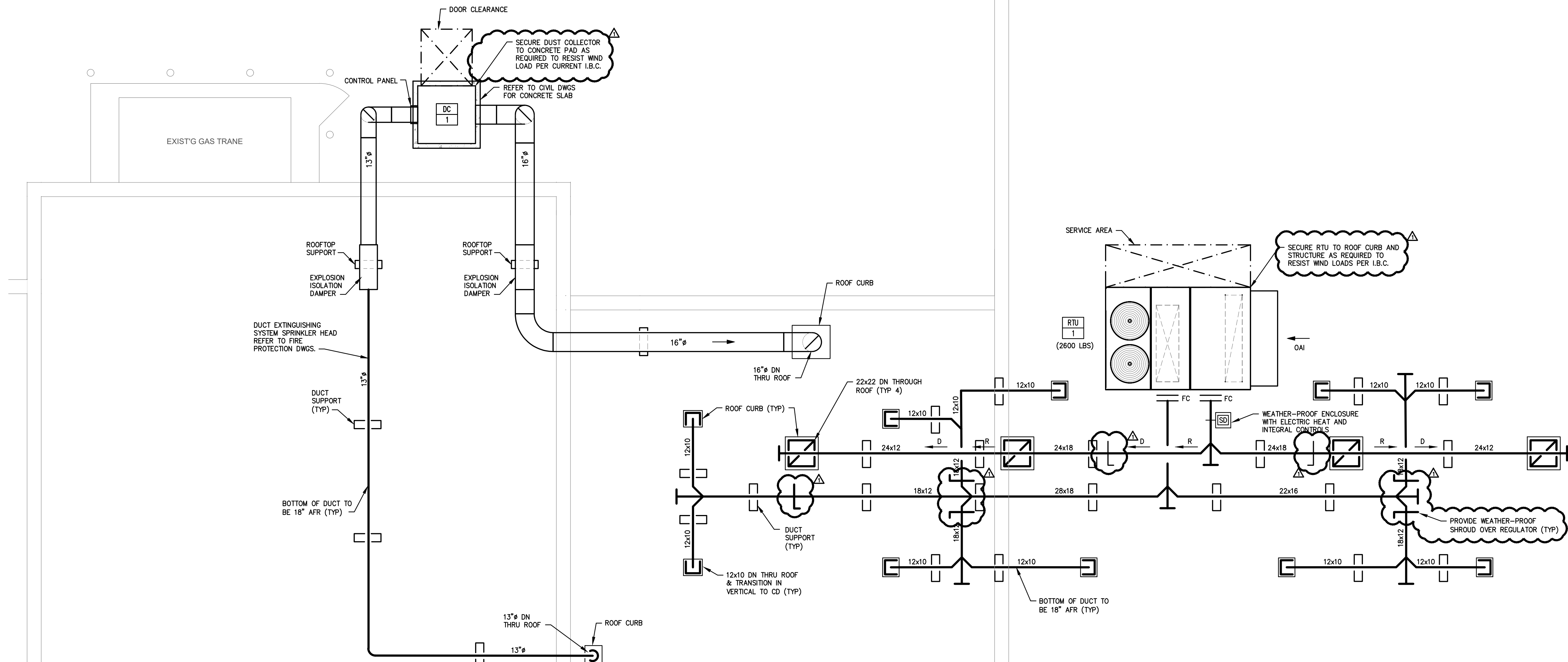
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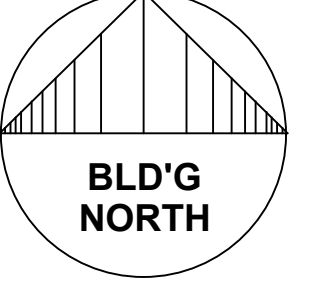
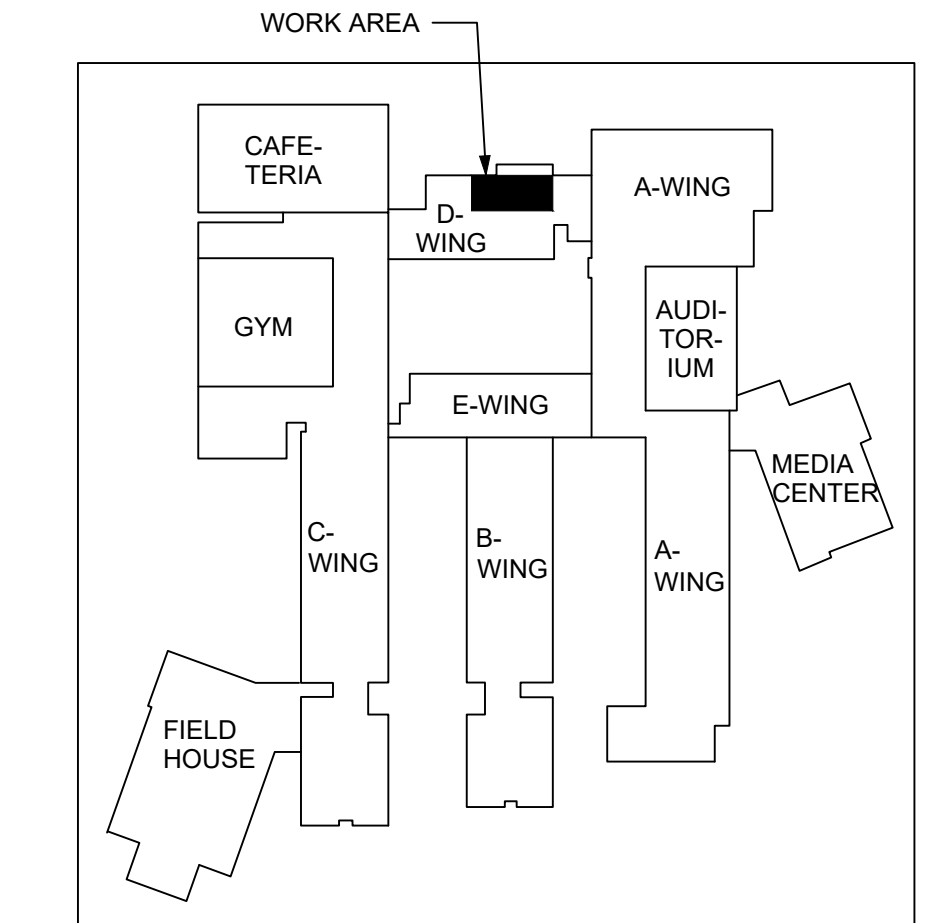
DRAWING DATE:	24 FEB 2023
PRINT DATE:	24 FEB 2023
DRAWN BY:	SLB
SHEET TITLE:	PARTIAL FIRST FLOOR PLAN - HVAC

H-100



1 PARTIAL ROOF PLAN - HVAC
H101 SCALE 1/4" = 1'-0"

- NOTES:
- ALL SUPPLY AND RETURN AIR DUCTWORK ABOVE ROOF SHALL BE PRE-FABRICATED DOUBLE-LAYER R-16 DUCTING SYSTEM WITH 0.032" ALUMINUM JACKET WITH KINGSPAN KOOL DUCT PANELS THAT ARE UL LISTED AS A CLASS 1 AIR DUCT SYSTEM BY PTM MANUFACTURING, LLC DUAL-TECH OR APPROVED EQUAL. SECURE AND SUPPORT TO ROOF ACCORDING TO MANUFACTURER'S REQUIREMENTS.
 - ROOFTOP UNIT AND EQUIPMENT CURBS SHALL BE PRE-PURCHASED BY THE OWNER AND RECEIVED, RIGID AND INSTALLED BY CONTRACTOR. SHOP DRAWINGS OF RTU AND CURB SHALL BE PROVIDED TO SUCCESSFUL CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF THE FOLLOWING RTU ACCESSORIES THAT MANUFACTURER SHIPS LOOSE TO FIELD: ECONOMIZER AND COMPARATIVE ENTHALPY KIT, MODULATING POWERED EXHAUSTER, ROOF CURB, HORIZONTAL CONFIGURATION CONVERSION PANEL, ZONE SENSOR, DUCT MOUNTED HUMIDITY SENSOR, CLOGGED FILTER SWITCH AND FILTER CHANGE-OUT.
 - THE RTU MANUFACTURER SHALL PERFORM EQUIPMENT START-UP AND WARRANTY SERVICE. INSTALLING CONTRACTOR SHALL PROVIDE NECESSARY SUPPORT AND ACT AS OWNER'S AGENT IN RESOLUTION OF WARRANTY ISSUES.
 - OBTAIN SERVICE OF TRANE OF PHILADELPHIA TO PROVIDE FULL BACNET INTERFACE OF RTU WITH EXISTING BUILDING MANAGEMENT SYSTEM, WITH CUSTOM GRAPHIC FOR MONITORING AND CONTROL OF UNIT.



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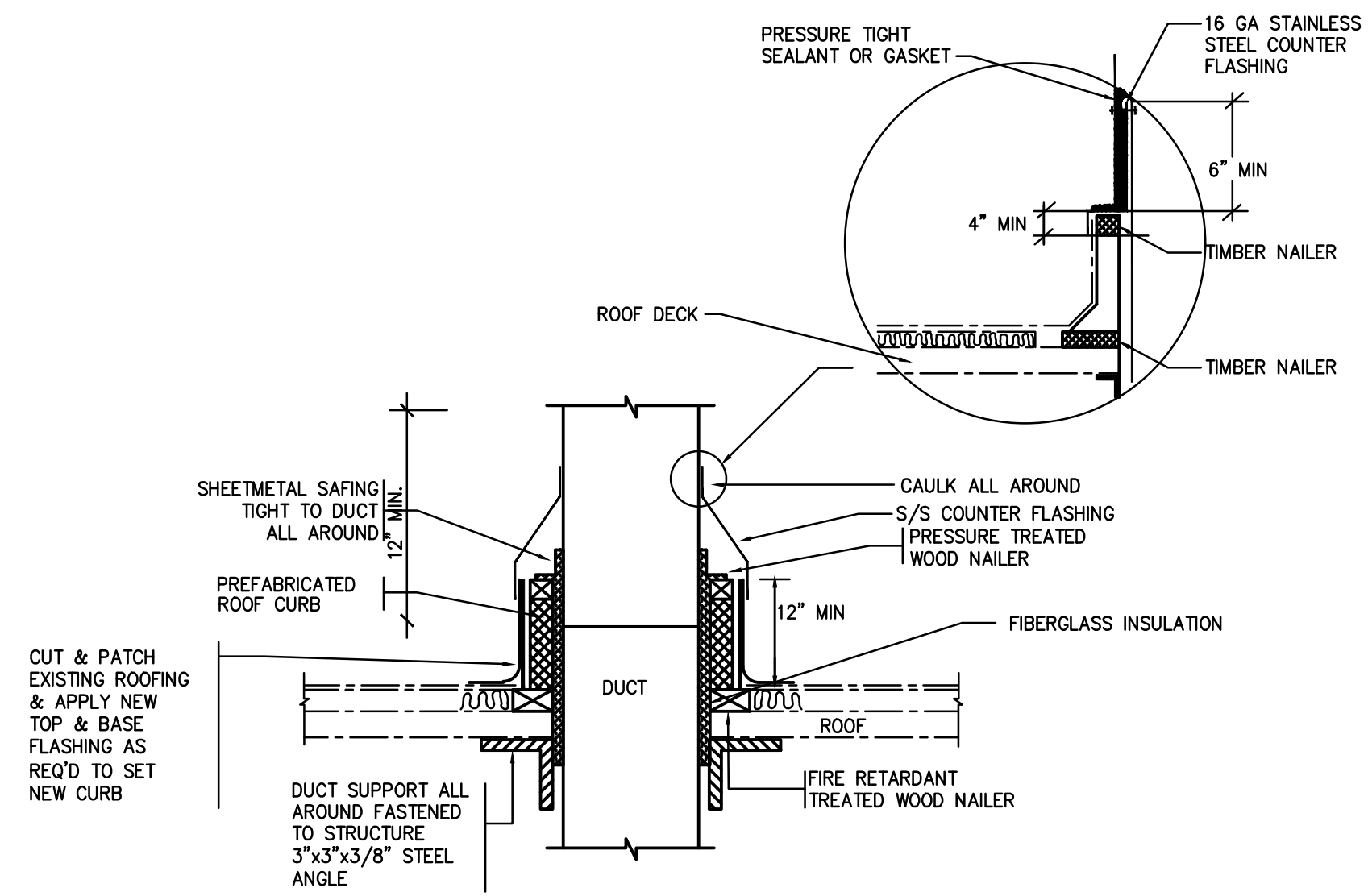
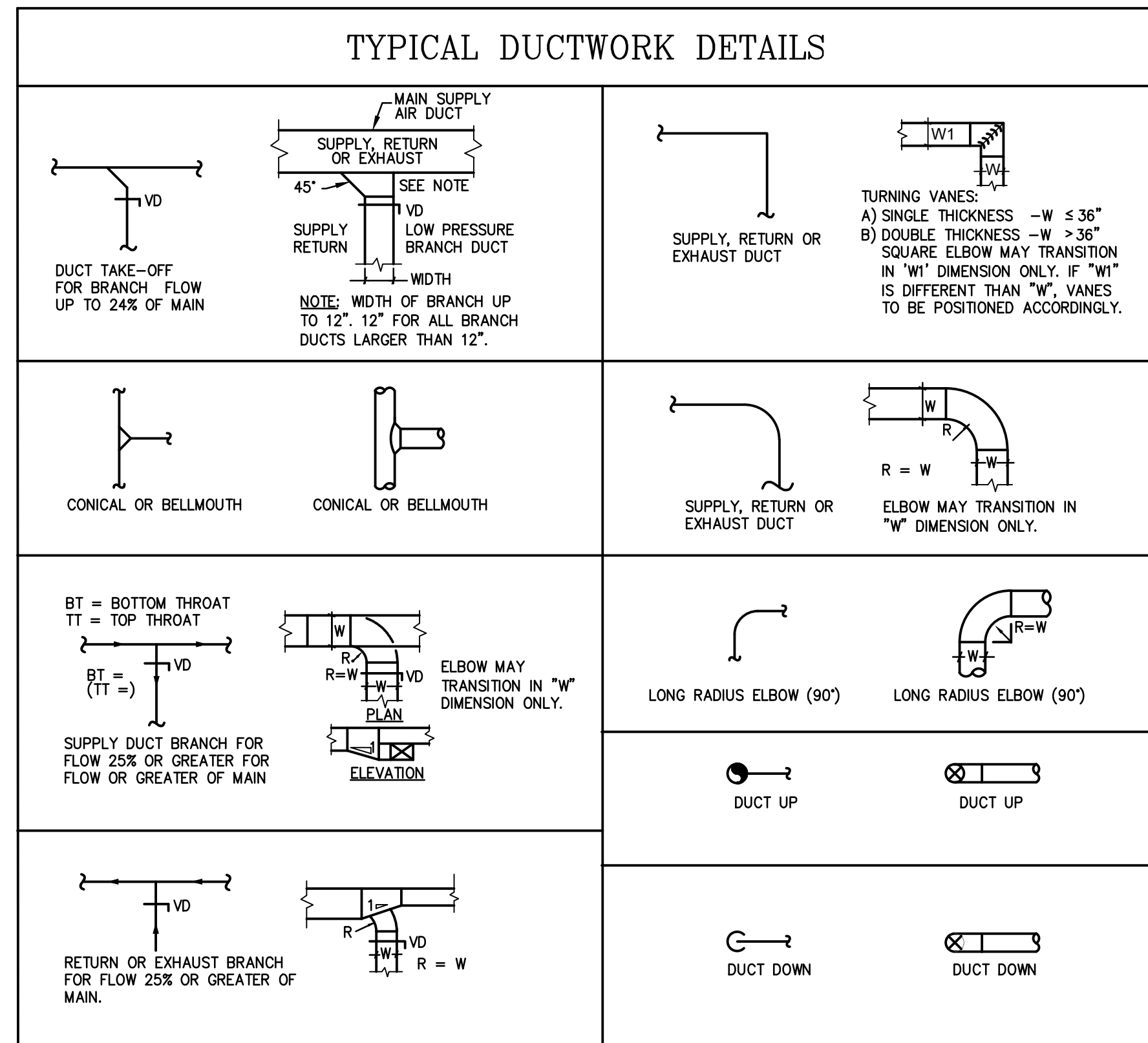
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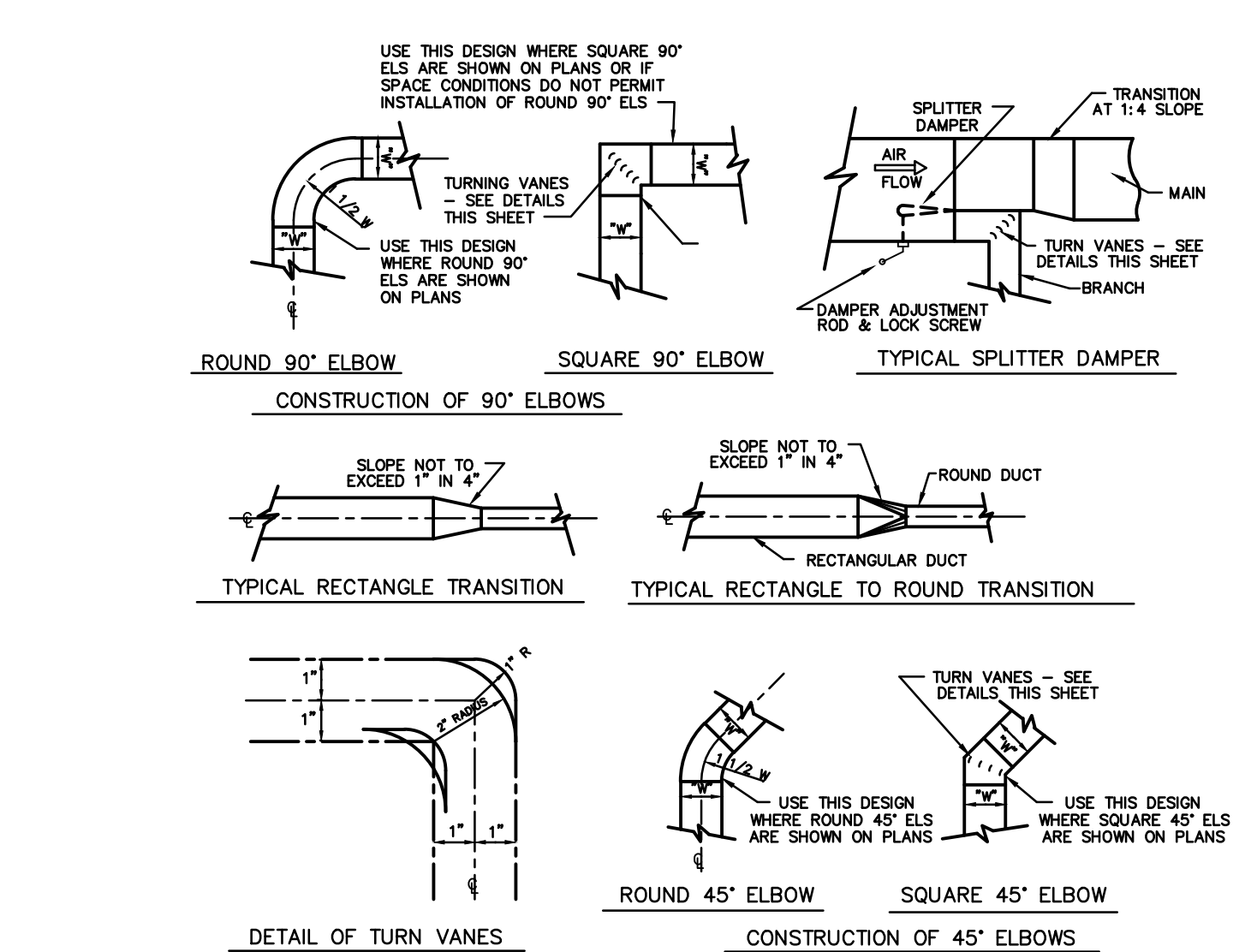
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PRINT DATE:	24 FEB 2023
DRAWN BY:	SLB
SHEET TITLE:	PARTIAL ROOF PLAN - HVAC

H-101

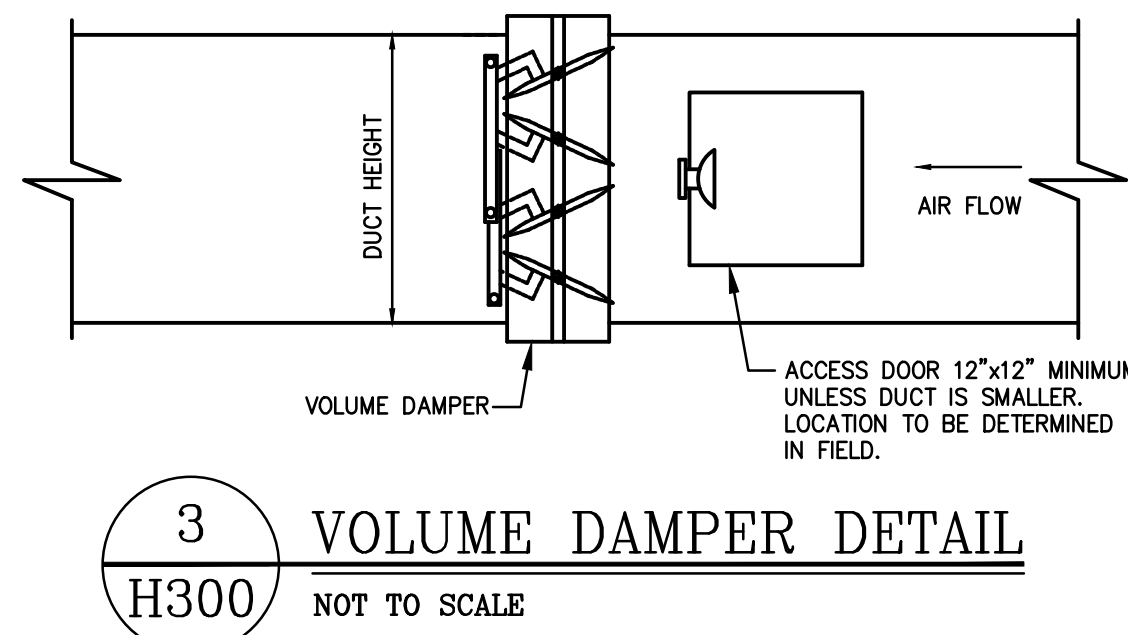


1 DUCT PENETRATION THROUGH ROOF DETAIL
NOT TO SCALE

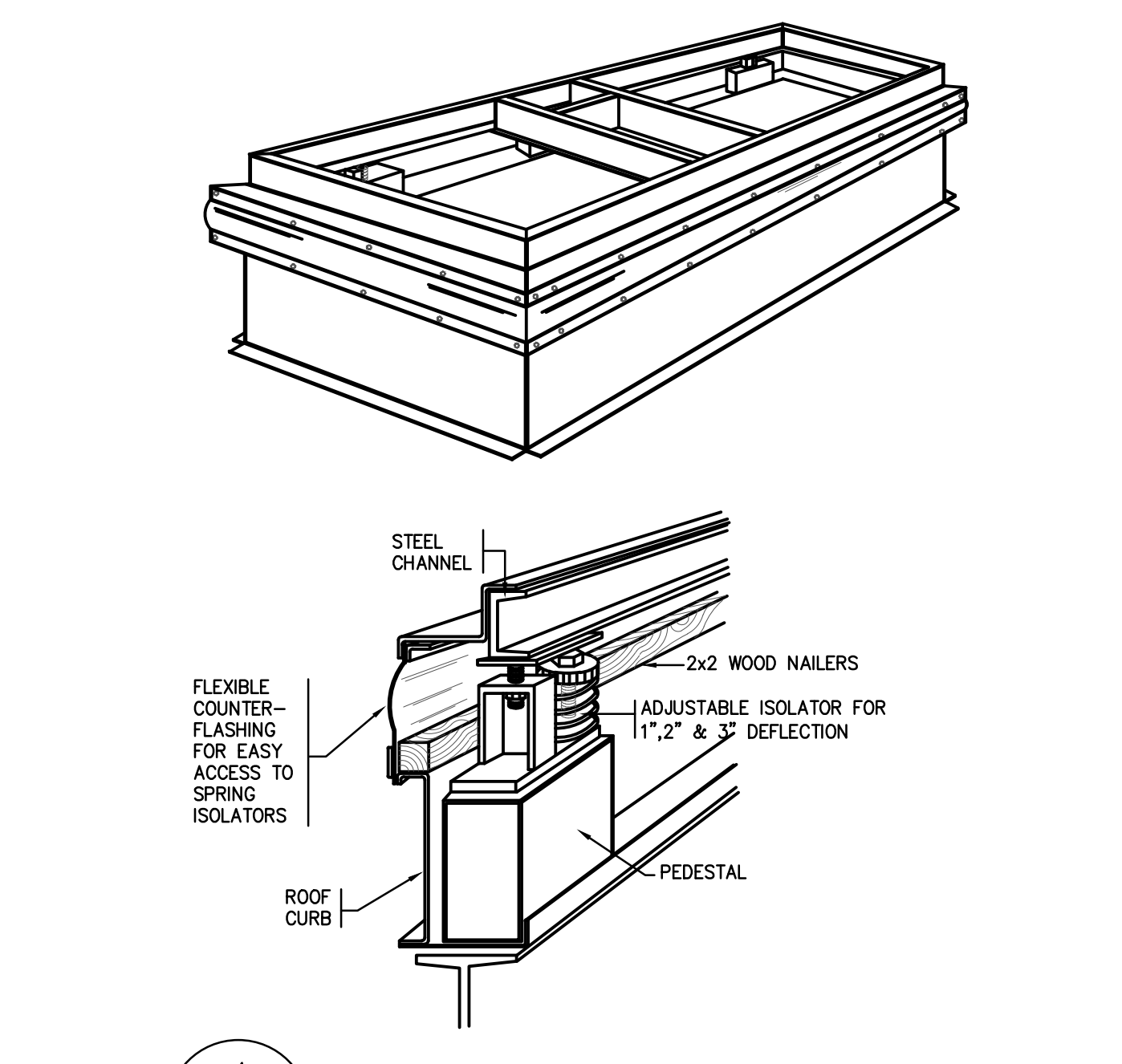
NOTES:
1. ALL WOOD SHALL BE PRESSURE TREATED FIRE RETARDANT.



2 DUCTWORK DETAILS
NOT TO SCALE

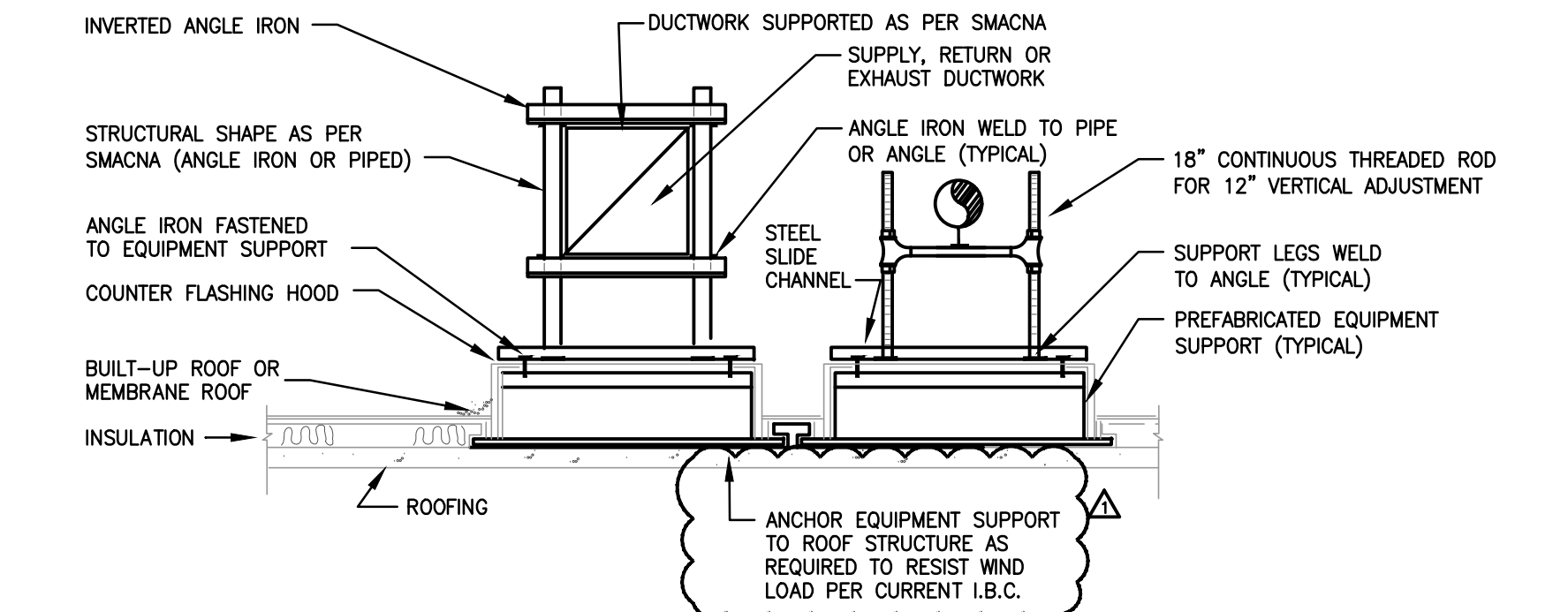


3 VOLUME DAMPER DETAIL
NOT TO SCALE



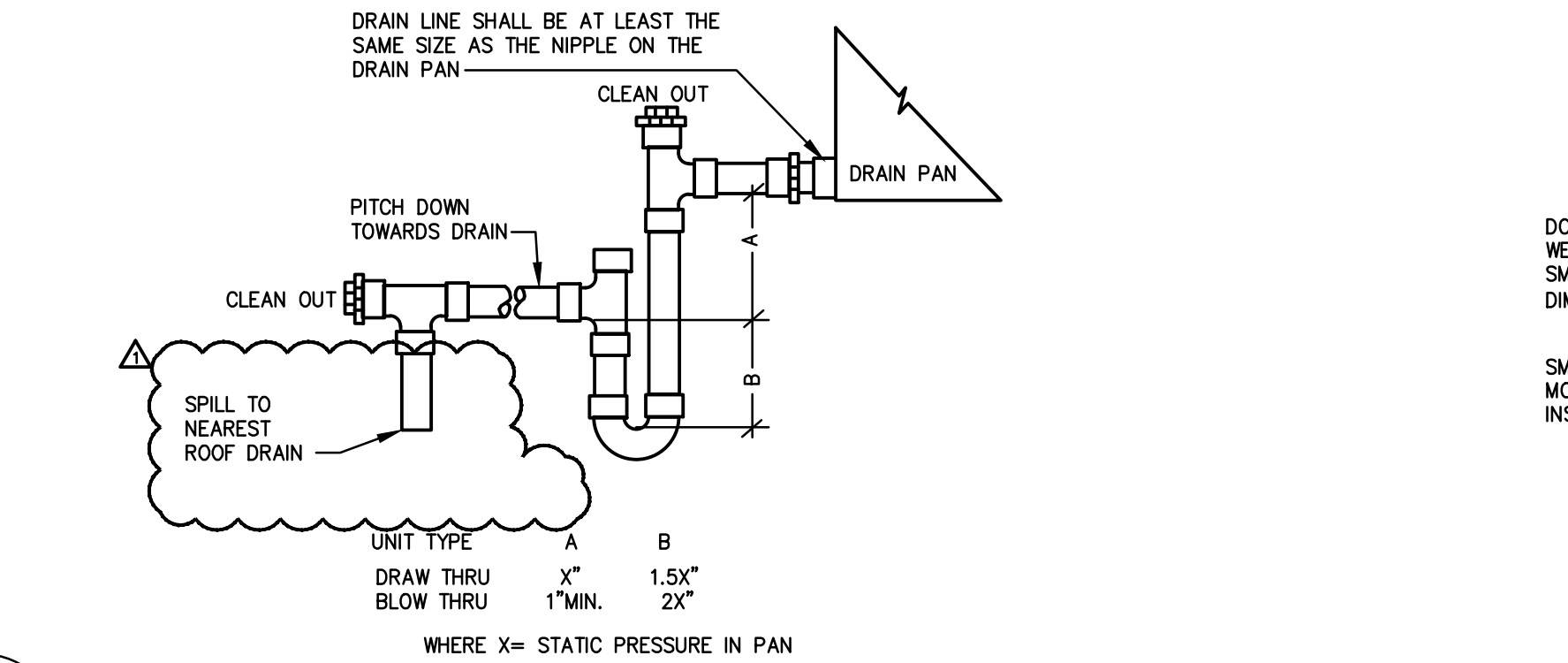
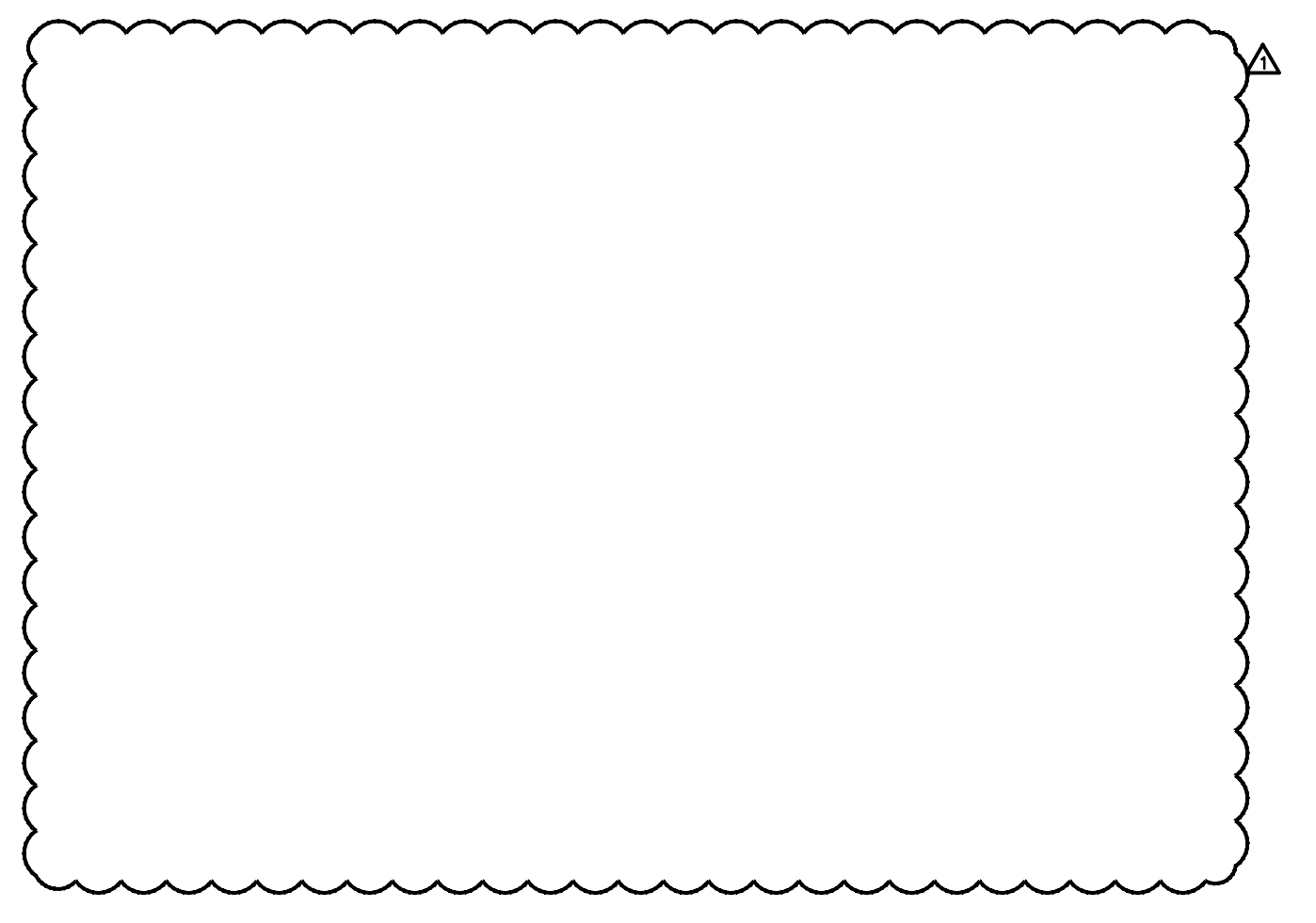
4 ROOF CURB DETAIL
NOT TO SCALE

NOTES:
1. EQUIPMENT CURB SHALL BE PRE-PURCHASED BY THE OWNER AND RIGGED AND INSTALLED BY CONTRACTOR.

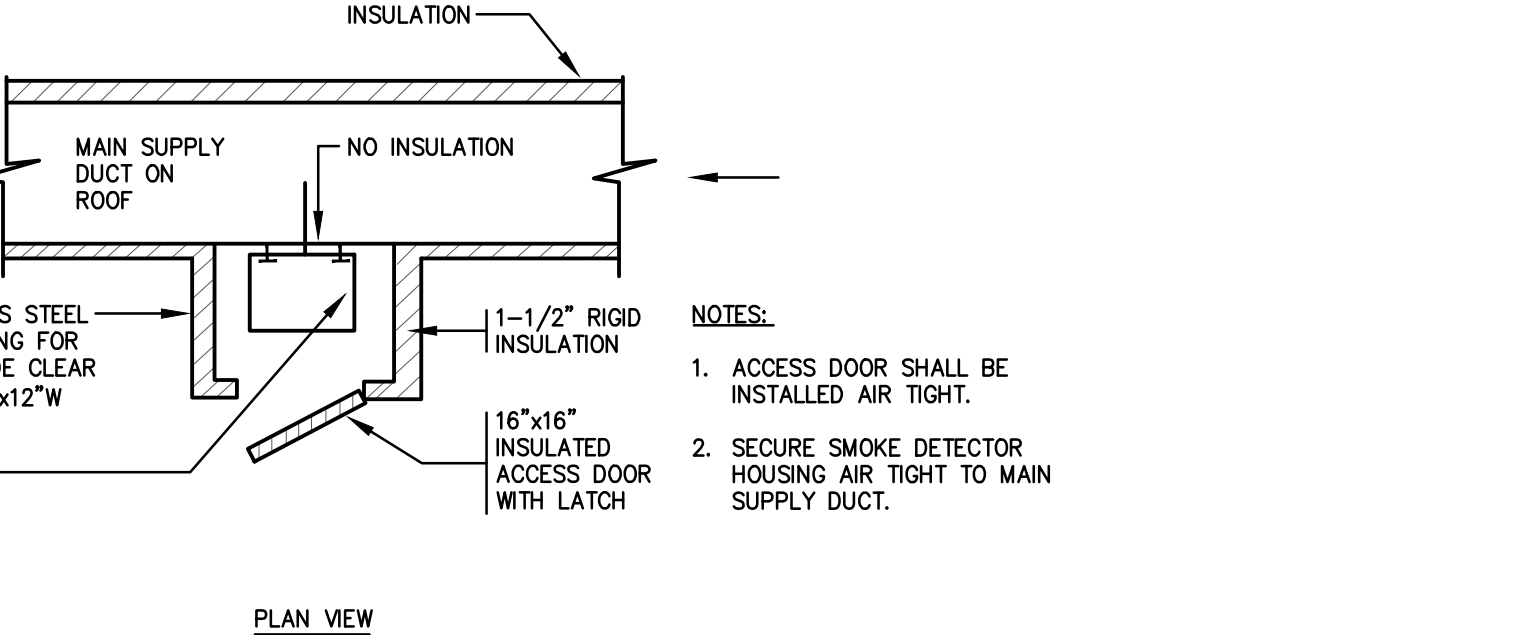


6 DUCT SUPPORT ON ROOF DETAIL
NOT TO SCALE

NOTES:
1. DESIGN EACH SUPPORT ASSEMBLY TO RESIST WIND LOAD PER CURRENT I.B.C.



8 AIR HANDLING UNIT DRAIN TRAP DETAIL
NOT TO SCALE



9 SMOKE DETECTOR HOUSING DETAIL
NOT TO SCALE

NOTES:
1. HEAT ENCLOSURE WITH 12 LINEAR FEET OF 8 WATTS PER LINEAR FOOT SELF REGULATING HEAT TRACING.

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PROJECT TITLE:
INDUSTRIAL ARTS ALTERATION

ADDRESS:
**GLOUCESTER CITY HIGH SCHOOL
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PROJECT NO.: **5672G**

SUBMISSION DATE:
REVISION DATE:
06 MAR 23 ADDENDUM 1

DRAWING DATE: **24 FEB 2023**
PRINT DATE: **24 FEB 2023**
DRAWN BY: **SLB**
SHEET TITLE: **DETAILS - HVAC**

