



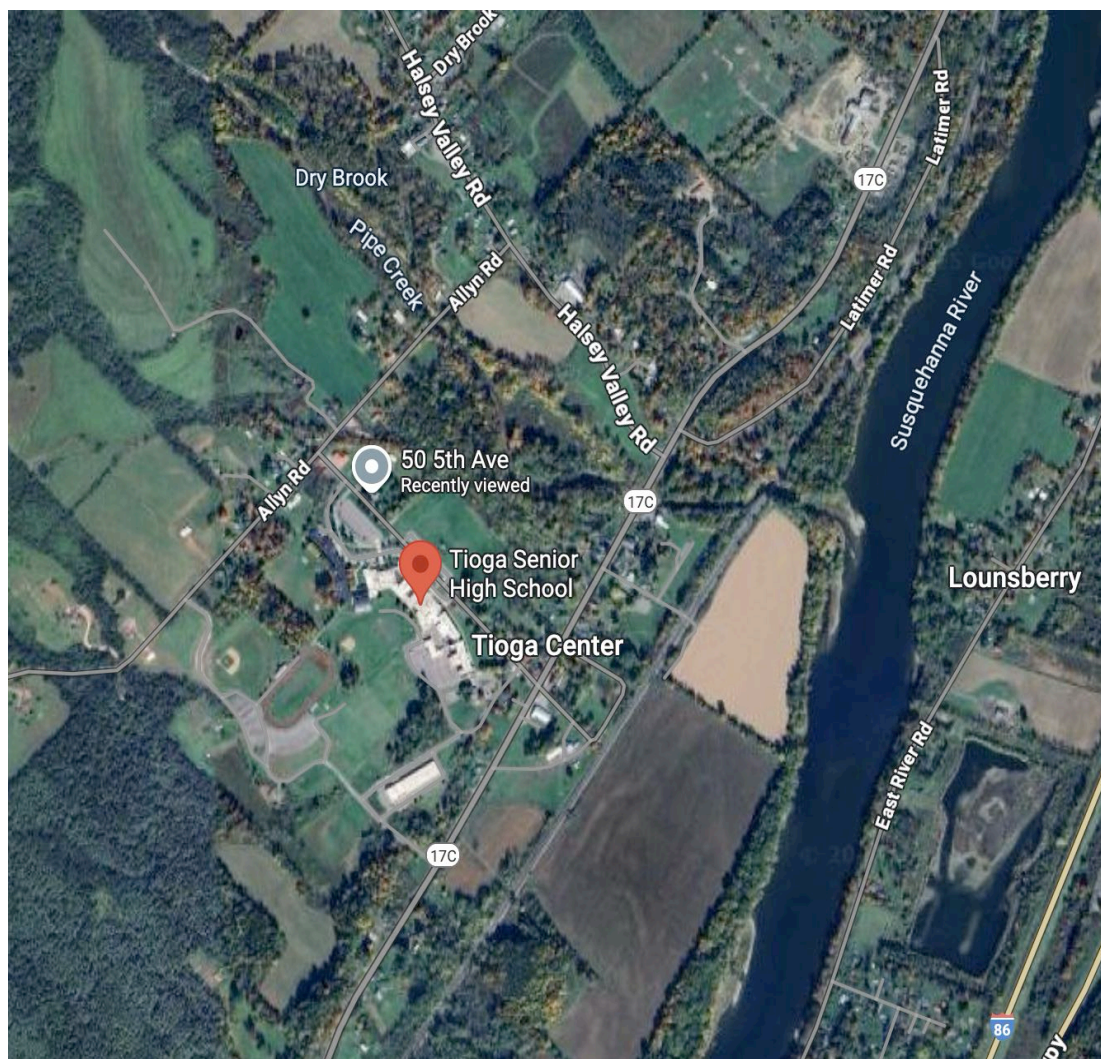
TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
VOLUME 1 OF 2

MAINTENANCE BUILDING
27 Fifth Avenue
Tioga Center, New York 13845

VOLUME 1 OF 2 - MAINTENANCE BUILDING (C)

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ISSUED FOR BID - 06/01/2026



LOCATION MAP



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ARCHITECT'S CERTIFICATION
THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF THEIR KNOWLEDGE, INFORMATION AND BELIEF, THE PLANS AND PROJECT MANUAL ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE STATE ENERGY CONSERVATION CONSTRUCTION CODE, CONSTRUCTION STANDARDS OF THE STATE EDUCATION DEPARTMENT, AND, IF APPLICABLE, THE NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE #66.

100% CONSTRUCTION DOCUMENTS

04/06/2026

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL PROJECT - PHASE 1
MAINTENANCE BUILDING

king + king
ARCHITECTS

KING+KING PROJECT NUMBER: 26-44-9206

SED PROJECT NUMBERS:
A: K-12 MAIN BUILDING: NO WORK
B: PRE-K BUILDING: NO WORK
C: MAINTENANCE BLDG: 60-09-03-04-3-005-001
D: NEW BUS GARAGE: 60-09-03-04-5-026-006

KING + KING PROJ. NO.: 28-44-9206		
SED PROJECT NUMBERS: C: A: K-12 MAIN BUILDING: NO WORK D: B: PRE-K BUILDING: NO WORK E: C: MAINTENANCE BLDG: 60-09-03-04-0-000-001 F: D: NEW BUS GARAGE: 60-09-03-04-0-028-006		



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	06/01/2026	ISSUED FOR BID
MARK	DATE	DESCRIPTION
100% CONSTRUCTION DOCUMENTS		
DRAWING DATE:		04/06/2026
DRAWN BY:		LAS / EMR

SCALE: Sheet Scale
DRAWING TITLE:

CODE COMPLIANCE PLAN

C G0.01

GENERAL NOTES

GENERAL NOTES - ALL TRADES

G-1 ALL PASSAGES OF EXISTING AND NEW PIPES, CONDUITS, CABLES, WIRES, AIR DUCTS, AND SIMILAR BUILDING SERVICE EQUIPMENT THROUGH EXISTING OR NEW FIRE OR SMOKE BARRIERS (WALLS, FLOORS, AND ROOF) WHETHER EXPOSED OR CONCEALED SHALL BE PROTECTED AS DESCRIBED IN DIVISIONS 21, 22, 23, 26, 27 AND 28, AND AS FOLLOWS:

a. THE SPACE BETWEEN THE PENETRATING ITEM AND THE FIRE/SMOKE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE/SMOKE RESISTANCE OF THE FIRE/SMOKE BARRIER, DESIGNED FOR THE SPECIFIC PURPOSE, AND CAPABLE OF MAINTAINING AN AIR TIGHT CONDITION.

b. WHERE THE PENETRATING ITEM USES A SLEEVE TO PENETRATE THE FIRE/SMOKE BARRIER, THE SLEEVE SHALL BE SOLIDLY SET IN THE FIRE/SMOKE BARRIER AND THE SPACE BETWEEN THE ITEM AND THE SLEEVE SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE/SMOKE RESISTANCE OF THE FIRE/SMOKE BARRIER, DESIGNED FOR THE SPECIFIC PURPOSE, AND CAPABLE OF MAINTAINING AN AIR TIGHT CONDITION.

G-2 ALL OTHER AREAS OF THE BUILDING WHERE ANY WORK IS TO BE DONE SHALL REMAIN IN USE DURING CONSTRUCTION, THEREFORE, SPECIAL CARE SHALL BE TAKEN TO CLEAN UP AFTER ALL OPERATIONS IN ORDER TO KEEP THE AREA AND SITE AS CLEAN AS POSSIBLE AND TO THE OWNER'S SATISFACTION.

G-3 AT ALL TIMES THAT WORK IS GOING ON, DUST TIGHT PARTITIONS SHALL BE INSTALLED AROUND THE LOCATION OF WORK TAKING PLACE. THE EXTENT AND LOCATION OF THESE PARTITIONS SHALL BE COORDINATED WITH THE OWNER.

G-4 ALL EXISTING FINISHES, WORK, EQUIPMENT, AND STRUCTURE TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. ALL EXISTING SURFACES, WORK, EQUIPMENT, AND STRUCTURE WHICH ARE DAMAGED OR REMOVED DUE TO DEMOLITION, OR NEW WORK SHALL BE REPAIRED AND PATCHED WITH MATCHING CONSTRUCTION AND FINISHES.

G-5 NOTED EXISTING AND NEW SURFACES ARE TO BE PREPARED TO RECEIVE NEW FINISHES, INCLUDING FINISH PATCHING OF NEW AND EXISTING HOLES, VOIDS, CRACKS, CLEANING OF SURFACES AS PER MANUFACTURER'S INSTRUCTIONS, ETC.

G-6 CONTRACTOR IS TO COORDINATE WITH ARCHITECT AND OWNER THE EXACT LOCATION OF NEW OR RELOCATED ITEMS.

G-7 CONTRACTOR TO PATCH AND REPAIR TO MATCH EXISTING AREAS OF CEILINGS, WALLS, AND FLOORS DISTURBED FOR THE INSTALLATION OF MECHANICAL AND ELECTRICAL ITEMS.

G-8 WHERE EQUIPMENT, ETC. HAS BEEN REMOVED BY OWNER, CONTRACTOR TO PATCH SURFACES TO MATCH EXISTING AND PREPARE SURFACES FOR NEW FINISH.

G-9 WORK SHALL NOT INTERFERE WITH LEGAL FIRE EXITS. ALL CORRIDORS AND EXIT STAIRS SHALL BE MAINTAINED AT ALL TIMES.

G-10 PATCH ALL OPENINGS (NEW AND EXISTING) WHETHER EXPOSED OR CONCEALED IN EXISTING FLOORS AND WALLS WITH CONSTRUCTION AND FINISH TO MATCH EXISTING. ALL OPENINGS SHALL BE SEALED AIR TIGHT, AND WHERE APPLICABLE, FIRE RATINGS MAINTAINED OR RESTORED.

G-11 ALL PENETRATIONS INTO RENOVATED ROOMS SHALL BE SEALED AND ALL SURFACES, JOINTS, ETC. SHALL BE EASILY CLEANABLE.

G-12 CONTRACTOR SHALL VERIFY ALL MASONRY OPENING DIMENSIONS, INCLUDING THOSE TO BE PROVIDED FOR DUCTWORK AND OTHER MECHANICAL PENETRATIONS, SO THAT CORRECT HEIGHT AND LENGTH OF LINTELS WILL BE OBTAINED. COORDINATE WITH ARCHITECTURAL PLANS, DETAILS, END BEARING REQUIREMENTS AND DIVISION 23.

G-13 EXCEPT WHERE OTHERWISE SCHEDULED OR INDICATED, PROVIDE LOOSE STEEL LINTELS OVER ALL OPENINGS THROUGH MASONRY WALLS AND PARTITIONS.

GENERAL STRUCTURAL NOTES - ALL TRADES

- DO NOT DRILL, CORE, OR CUT ANY PORTION OF EXISTING CONCRETE COLUMNS, BEAMS, JOISTS, OR BRIDGING RIBS WITHOUT THE ARCHITECT'S APPROVAL.
- DO NOT CUT OPENINGS THROUGH EXISTING CONCRETE WHICH ARE NOT SHOWN ON DRAWINGS WITHOUT THE ARCHITECT'S APPROVAL.
- CORE-DRILL NEW OPENINGS WHEREVER POSSIBLE.
- WHERE CORE-DRILLING IS NOT PRACTICAL, CUT OPENING THROUGH EXISTING CONCRETE AS FOLLOWS:
 - PRIOR TO CUTTING, DETERMINE THE LOCATION OF PROPOSED OPENINGS SUCH THAT NO PORTION OF EXISTING BEAMS OR JOISTS WILL BE ALTERED IN ANY WAY.
 - CORE-DRILL ROUND HOLES THROUGH EXISTING SUPPORTING STRUCTURAL SLABS AT THE FOUR CORNERS OF NEW OPENING.
 - SAW-CUT STRUCTURAL SLAB TO MINIMUM DEPTH OF 2" BETWEEN HOLES AND REMOVE CONCRETE.

BUILDING INFORMATION:

OCCUPANCY CLASSIFICATION:	Group S1 - Moderate Hazard Storage (PER 2025 BUILDING CODE OF NYS - SECTION 305)
CONSTRUCTION CLASSIFICATION:	
EXISTING:	IIB
NEW:	N/A
SITE ACCESSIBLE:	4 Sides
ALLOWABLE BLDG. AREA:	17,500 SF
ACTUAL BLDG. AREA:	7,886 SF
ALLOWABLE HEIGHT IN STORIES:	2 (55 Feet) (PER 2025 BUILDING CODE OF NYS - SECTION 504)
ACTUAL HEIGHT IN STORIES:	1 (23 Feet)
ROOM SQUARE FOOTAGES:	SEE CODE COMPLIANCE PLANS

GENERAL NOTES:

MAX. FLOOR AREA ALLOWANCES PER OCCUPANT IN SQUARE FEET:
(PER 2025 BUILDING CODE OF NYS - SECTION 1004)
CLASSROOMS - 20 net
LOCKER ROOMS - 50 gross
SHOPS - 50 net
LIBRARY READING AREAS - 50 net
LIBRARY STACK AREAS - 100 gross
AUDITORIUMS - 7 net
GYMNASIUM - 5 net
CAFETERIA - 7 net
ACCESSORY STORAGE/MECHANICAL - 300 gross

MAXIMUM CORRIDOR TRAVEL DISTANCE TO EXITS IN FEET (PER NYSFD MANUAL OF PLANNING STANDARDS - S107-1):
- 150 FEET @ GROUND FLOOR
- 120 FEET @ OTHER THAN GROUND FLOOR

NOTE: TRAVEL DISTANCES COMPLY W/ THESE REQUIREMENTS.

MAXIMUM DISTANCE BETWEEN FIRE EXTINGUISHERS (F.E.):
- 75 FEET @ CORRIDORS/LOBBY/STAIR

NOTE: NEW F.E. DISTANCES COMPLY W/ THESE REQUIREMENTS.

MAXIMUM DISTANCE FROM STAIRWAY ENCLOSURE DOOR TO EXTERIOR DOOR:
- 50 FEET

NOTE: ALL EXIT DISTANCES COMPLY WITH NYSFD MANUAL OF PLANNING STANDARDS- S108-1c

CORRIDOR FIRE RESISTANCE RATINGS (PER 2025 BUILDING CODE OF NYS - SECTION 1020):
- 1 HOUR min.

FIRE APPARATUS ACCESS ROADS HAVE BEEN PROVIDED TO COMPLY WITH SECTION 500 "FIRE SERVICE FEATURE" SUCH THAT FIRE APPARATUS CAN SERVE ALL PORTS OF THE BUILDING.

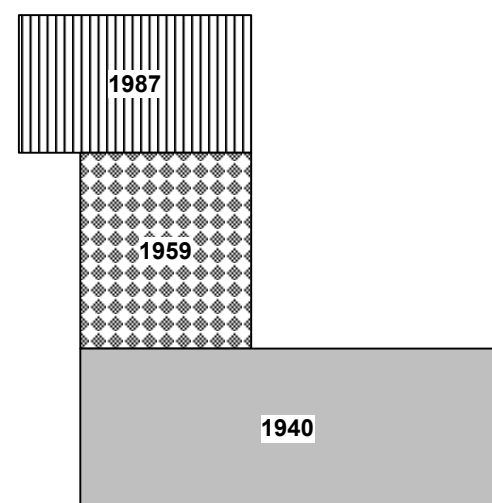
ALL NEW WORK COMPLIES W/ THE "AMERICAN W/ DISABILITIES ACT" & "ARCHITECTURAL BARRIERS ACT" (PER JULY 23, 2004 ACCESSIBILITY GUIDELINES).

RATED PARTITION LEGEND:

---	SMOKE PARTITION
----	1 HR. FIRE RATED PARTITION
-----	2 HR. FIRE BARRIER

CONSTRUCTION TYPE DESIGNATIONS:

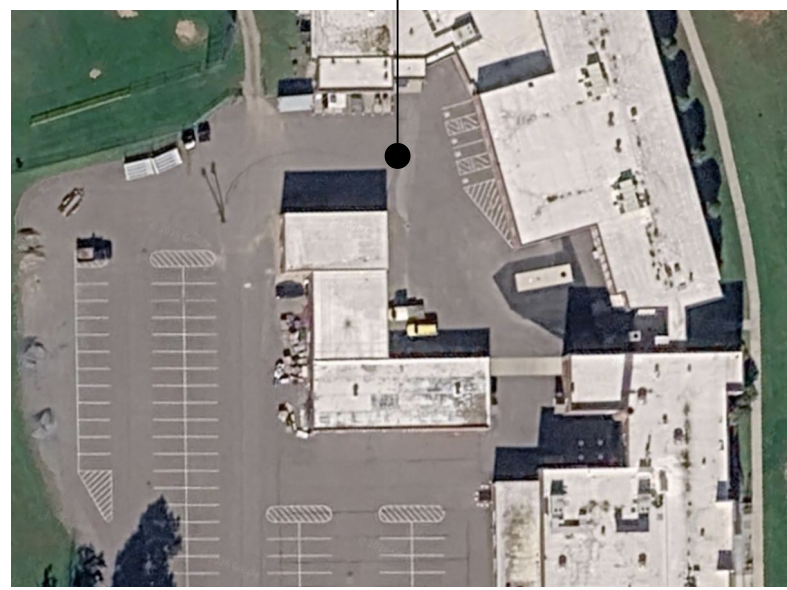
	MINIMAL / NO WORK
	ALTERATION L1
	ALTERATION L2
	ALTERATION L3
	NEW CONSTRUCTION / ADDITION



BUILDING HISTORY PLAN

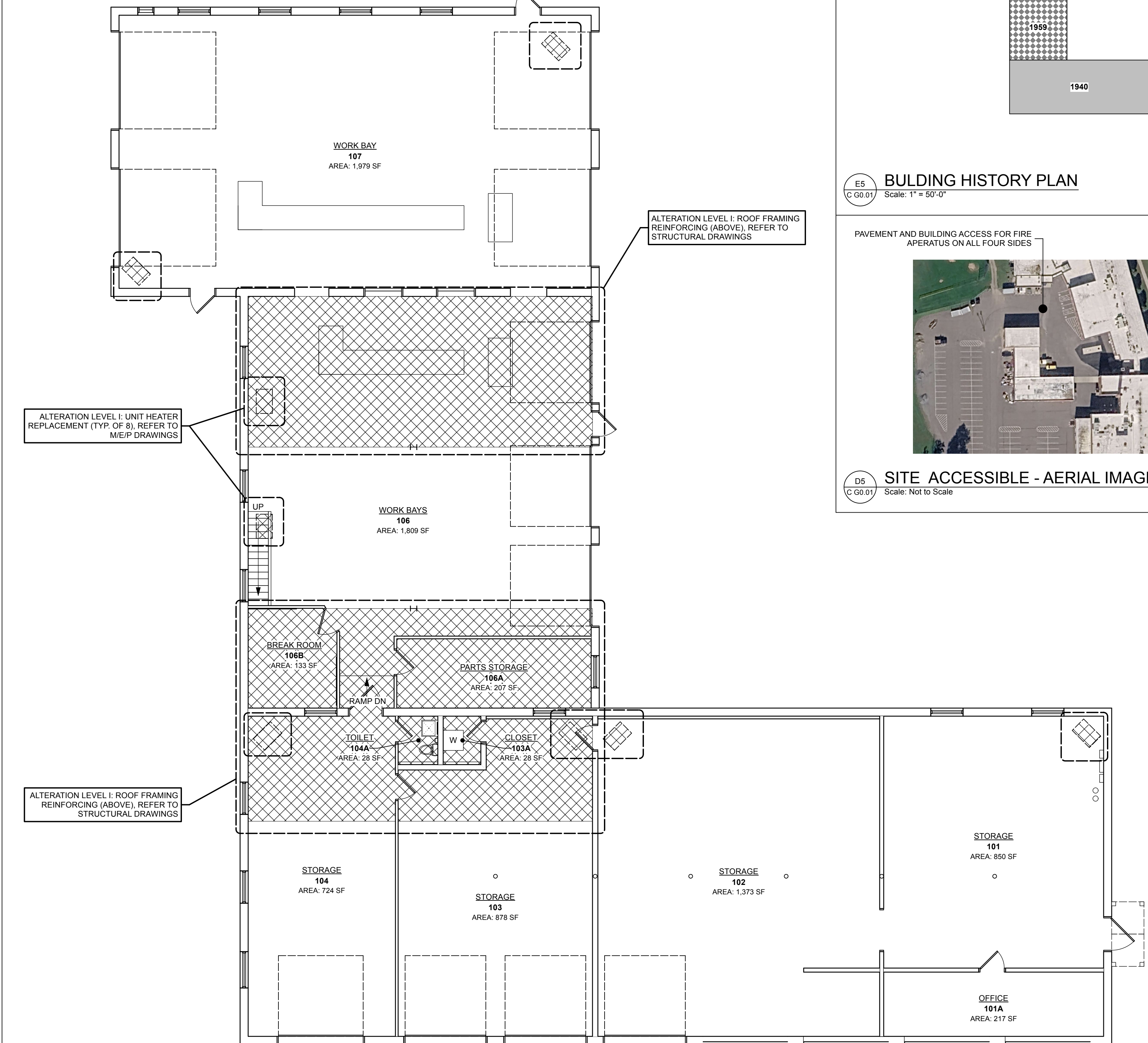
Scale: 1" = 50'-0"

PAVEMENT AND BUILDING ACCESS FOR FIRE
APERATUS ON ALL FOUR SIDES



SITE ACCESSIBLE - AERIAL IMAGE

Scale: NOT TO SCALE



OVERALL CODE COMPLIANCE PLAN - FIRST FLOOR

Scale: 1/8" = 1'-0"

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL PROJECT - PHASE 1
MAINTENANCE BUILDING

27 FIFTH AVENUE
TIOGA CENTER, NY 13845

General Notes

1. THIS CONTRACT INVOLVES THE ABATEMENT OF ASBESTOS-CONTAINING MATERIALS (ACM) FROM THE AREAS INDICATED ON CONTRACT DRAWINGS. ASBESTOS ABATEMENT WORK SHALL BE PERFORMED AS SPECIFIED IN SPECIFICATION SECTION 02 8213 AND THE CONTRACT DRAWINGS.
2. ALL WORK ACTIVITIES ASSOCIATED WITH THIS CONTRACT SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND THE APPROVED PROJECT SCHEDULE. CHANGES IN THE PROJECT SCHEDULE MUST BE PETITIONED IN WRITING TO THE CONSTRUCTION MANAGER AT LEAST 48 HOURS IN ADVANCE. WRITTEN APPROVAL MUST BE OBTAINED PRIOR TO ANY DEVIATION(S).
3. THE DRAWINGS ASSOCIATED WITH THIS PROJECT WERE REPRODUCED FROM AVAILABLE PLANS. ACCORDINGLY, VARIATIONS WITHIN THE DEMARCATED WORK AREAS ARE POSSIBLE AND SHALL HAVE NO IMPACT ON THE CONTRACT PRICE OR SCHEDULE.
4. THE CONTRACT DRAWINGS DO NOT SHOW ALL EXISTING MECHANICAL/ELECTRICAL/PLUMBING SYSTEMS PRESENT WITHIN THE WORK AREAS. MATERIALS SPECIFIED FOR REMOVAL AND DISPOSAL ARE ESTIMATED QUANTITIES AND ARE LISTED IN THE MATERIAL SCHEDULES, AND/OR INDICATED ON THE DRAWING. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF HIS WORK WITH OTHER TRADES. CONTRACTOR SHALL VERIFY CONFLICTS THROUGH EXAMINATION OF ALL CONTRACT DRAWINGS FOR THIS PROJECT PRIOR TO BIDDING.
5. MOVABLE OBJECTS, WITHIN THE WORK AREA WILL BE REMOVED BY THE OWNER TO FACILITATE ACM ABATEMENT ACTIVITIES, UNLESS SPECIFIED OTHERWISE WITHIN THE DOCUMENTS.
6. THE ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETION OF ASBESTOS MATERIAL REMOVAL AND DISPOSAL AS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, COORDINATION, SUPERVISION, AND MANAGEMENT TO COMPLETE THE WORK. THE CONTRACTOR SHALL MAKE ALL EFFORTS TO COOPERATE AND COORDINATE THEIR WORK WITH THE OWNER, OTHER CONTRACTORS, AND THEIR REPRESENTATIVES. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL COORDINATE BUILDING/POWER/HVAC ISOLATION WITH THE BUILDING OWNER.
7. THE ASBESTOS ABATEMENT WORK SHALL BE CONDUCTED BY A NEW YORK STATE LICENSED ASBESTOS ABATEMENT CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, INDUSTRIAL CODE RULE 56 AND ALL APPLICABLE VARIANCES (AV) THAT APPLY TO THE WORK. THE ABATEMENT CONTRACTOR MAY, HOWEVER, AT HIS OWN EXPENSE, OBTAIN AND USE A SITE-SPECIFIC VARIANCE TO CONDUCT THE ASBESTOS ABATEMENT WORK, SUBJECT TO REVIEW AND APPROVAL BY THE ENVIRONMENTAL CONSULTANT AND THE OWNER AND PROVIDED THAT THE SITE-SPECIFIC VARIANCE PETITION PROCESS DOES NOT DELAY THE START AND/OR TIMELY EXECUTION OF THE ASBESTOS ABATEMENT WORK AS SCHEDULED, OR ALTER THE PRICE SUBMITTED AT THE TIME OF BIDDING.
8. THE ABATEMENT CONTRACTOR SHALL EMPLOY ONLY NYSOL CERTIFIED ASBESTOS SUPERVISORS AND HANDLERS. THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE QUANTITY OF CERTIFIED PERSONNEL TO WORK AS MANY SHIFTS AND AS MANY HOURS AS NEEDED TO COMPLETE EACH PHASE OF THE WORK WITHIN THE SPECIFIED TIME PERIOD.
9. THE ABATEMENT CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL SPECIFIED ASBESTOS-CONTAINING MATERIALS AS INDICATED ON THE CONTRACT DRAWINGS IN ACCORDANCE WITH INDUSTRIAL CODE RULE 56.
10. THE CONTRACT DRAWINGS INDICATE THE EXTENT OF THE REMOVAL AND IS TO BE USED AS A GUIDELINE. AT A MINIMUM, MATERIALS IDENTIFIED ON THE DRAWINGS ARE TO BE REMOVED AND DISPOSED. THE ABATEMENT CONTRACTOR IS ENCOURAGED TO REFER TO ALL PLAN DRAWINGS FOR A DETAILED REPRESENTATION OF THE GENERAL LAYOUT OF THE WORK AREAS. THE ABATEMENT CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES AND LOCATIONS OF ASBESTOS-CONTAINING MATERIALS TO BE REMOVED AND DISPOSED UNDER THIS PROJECT.
11. ALL PROPOSED DECONTAMINATION CHAMBER LOCATIONS, POWER AND WATER SOURCES, AND STAGING AREAS SHALL BE SUBMITTED BY THE ABATEMENT CONTRACTOR TO THE OWNER AND THEIR REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION AND/OR USE.
12. THE ABATEMENT CONTRACTOR SHALL CONDUCT OR OTHERWISE PROVIDE FOR PERSONAL AIR SAMPLING OF ALL ASBESTOS ABATEMENT PERSONNEL EMPLOYED ON THE PROJECT, INCLUDING DAILY 8-HOUR TIME-WEIGHTED AVERAGE AND 30-MINUTE SHORT TERM EXCURSION LIMIT AIR SAMPLING, AS REQUIRED BY OSHA 29 CFR PART 1928.1101.
13. THE ABATEMENT CONTRACTOR SHALL PROTECT ARCHITECTURAL FINISHES, FURNISHINGS, AND EQUIPMENT OUTSIDE THE ABATEMENT WORK AREA AND ALL ADJACENT NON-WORK AREAS FROM DAMAGE AND, IF ANY DAMAGE OCCURS, THE ABATEMENT CONTRACTOR SHALL BE HELD LIABLE FOR ALL COSTS RELATED TO THE REPAIR, RESTORATION, AND/OR REPLACEMENT OF THE DAMAGED FIXTURES AS CAUSED BY THE CONTRACTOR.
14. THE ABATEMENT CONTRACTOR SHALL COORDINATE THE PHASING OF THE ASBESTOS REMOVAL WITH THE OWNER AND OTHER CONTRACTORS IN SUCH A MANNER AS THE OWNER OR HIS CONSTRUCTION MANAGER MAY DIRECT.

Keyed Notes

- 1 CONTRACTOR SHALL PROPERLY REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING ROOF FLASHING SYSTEMS AND PARAPET SILVER COATING. REMOVE EXISTING ROOF FLASHING SYSTEM IN ITS ENTIRETY INCLUDING FLASHING THAT EXTENDS BENEATH ANY OVERLAYING MATERIALS, CAP STONES, ETC. REMOVE ALL UNDERLAYING VAPOR BARRIERS, MASTICS, AND ALL OTHER FLASHING SYSTEM COMPONENTS COMPLETELY TO A CLEAN SUBSTRATE. SUBSTRATE SHALL BE LEFT IN A CONDITION TO ACCEPT NEW ROOFING AS SCHEDULED. COORDINATE EXACT LOCATION AND EXTENT WITH OTHER TRADES & OWNER'S REPRESENTATIVE PRIOR TO REMOVALS.

APPROXIMATE QUANTITY: 1,200 Square Feet

KING + KING PROJ. NO.: 20-44-9226

SED PROJECT NUMBERS:
A: K-12 MAIN BUILDING: NO WORK
B: PRE-K BUILDING: NO WORK
C: MAINTENANCE BLDG: 60-09-03-04-3-005-001
D: NEW BUS GARAGE: 60-09-03-04-5-026-006

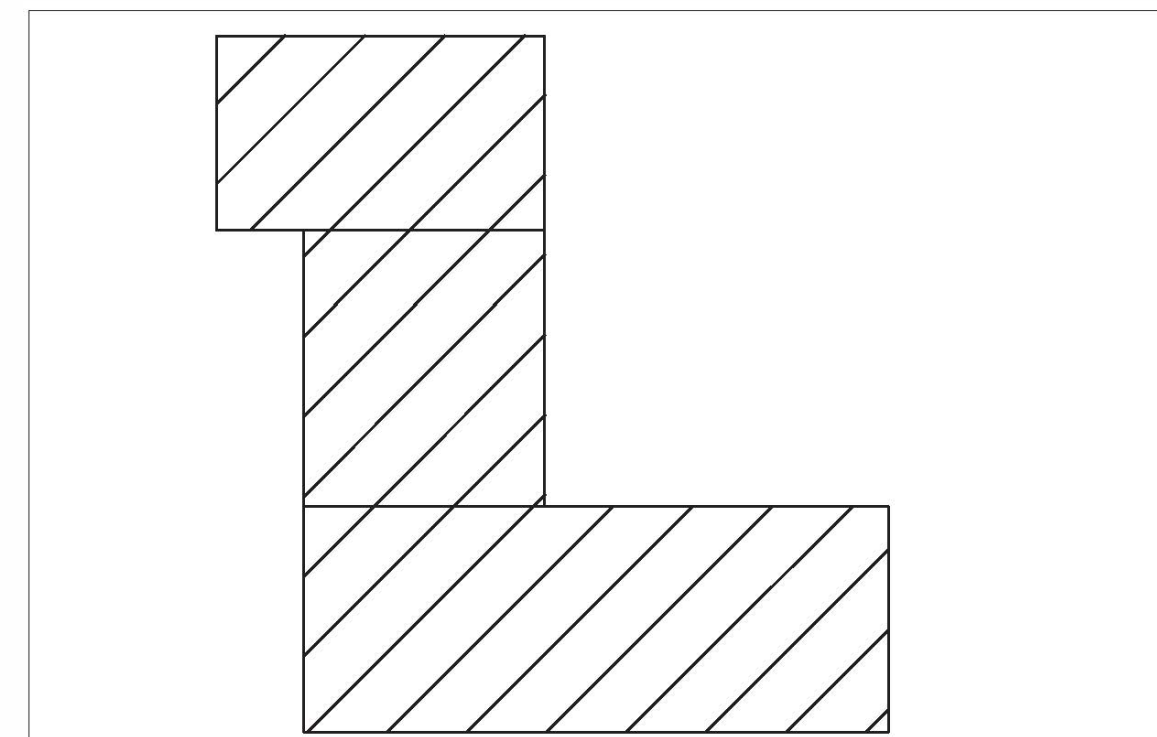
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(315) 569-2142



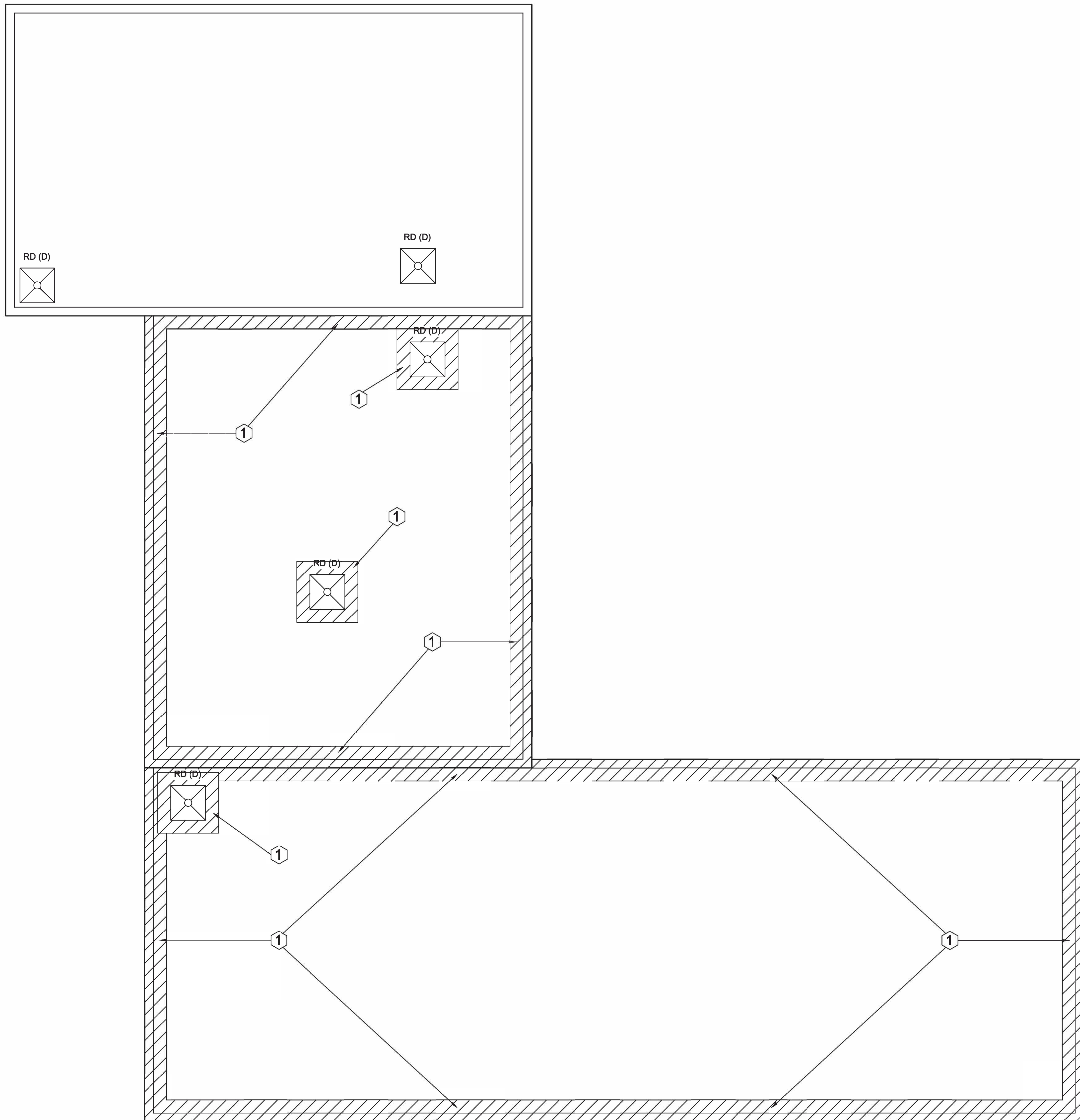
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6/1/2026 ISSUED FOR BID
MARK DATE DESCRIPTION
100% CONSTRUCTION DOCUMENTS
DRAWING DATE: 04/06/2025
DRAWN BY: SMH
SCALE: Sheet Scale
DRAWING TITLE:
ASBESTOS ABATEMENT PLAN

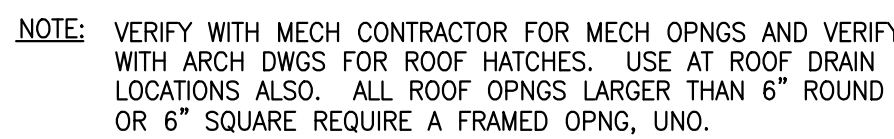
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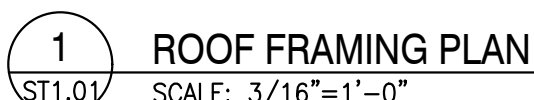
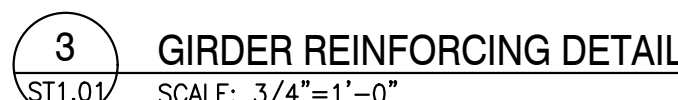
A5 X0.01 KEY PLAN
Not to Scale



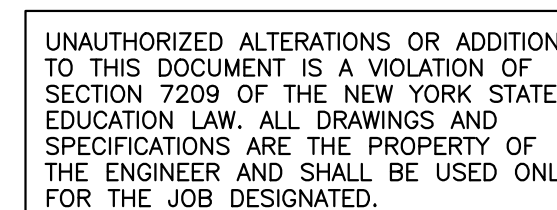
A1 X0.01 ROOF PLAN
Scale: 3/16" = 1'-0"



7 TYPICAL ROOF OPENING DETAIL
ST1.01 SCALE: N.T.S.



1. TOP OF STEEL AT FINISH ROOF ELEVATION: VARIES BY BUILDING LOCATION, FIELD VERIFY.
2. TYPICAL ROOF CONSTRUCTION: 1½" METAL DECK.
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK IN AREA.
4. DASHED LINES SHOWN THUS - - - - INDICATES HORIZONTAL JOIST BRIDGING.
5. DASHED LINES SHOWN THUS > > < INDICATES DIAGONAL JOIST BRIDGING.
6. REMOVE & REATTACH X-BRACING AS NEEDED TO ALLOW INSTALLATION OF NEW W REINFORCING BEAMS



ST. GERMAIN & AUPPERLE
CONSULTING ENGINEERS, PLLC
5711 WEST GENESEE STREET
CAMILLUS, NEW YORK 13031
(315) 338-2100

S & A PROJECT No. 26-7488

DESIGN CRITERIA

1. GOVERNING BUILDING CODE: BUILDING CODE OF NEW YORK STATE, 2022 AND ALL SUBSEQUENT REVISIONS. ALL SITE SPECIFIC DATA PROVIDED BY ASC2 / HAZZARD, 2020
2. RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES (NYSBC TABLE 1604.5): II
3. DESIGN LOADS:
- A. GROUND FLOOR LIVE LOAD: 100 PSF
- B. SNOW LOAD:
1. GROUND SNOW LOAD, P_g : 64 PSF
2. P_g (ASD): 44.8 PSF
3. FLAT ROOF SNOW LOAD, P_f : 34.5 PSF
4. SNOW EXPOSURE COEFFICIENT, C_e : 1.0
5. THERMAL FACTOR, C_t : 1.1
6. SLOPE FACTOR, C_s : 1.0
7. DRIFT SURCHARGE, e_d : 66 PSF
7. DRIFT WIDTH, W : 13.3 FT.
8. WINTER WIND PARAMETER, W_z : 0.45
- C. WIND AND TORNADO LOAD:
1. BASIC WIND SPEED, V : 111 MPH
2. TORNADO SPEED, V_t : N/A
3. EFFECTIVE PLAN AREA A_e : N/A
4. V (ASD): 86.0 MPH
5. WIND EXPOSURE: C
6. INTERNAL PRESSURE COEFFICIENT, C_{pi} : ± 0.18
7. COMPONENTS AND CLADDING DESIGN PRESSURE: $+17.63$ & -23.50 PSF
- D. SEISMIC LOAD:
1. SEISMIC IMPORTANCE FACTOR, I_e : 1.0
2. SPECTRAL RESPONSE COEFFICIENTS:
- Ss: 0.13 S1: 0.05 S2: 0.05
- Sa: 0.12 Sd1: 0.057
3. SITE CLASS: D
4. SEISMIC DESIGN CATEGORY: A
5. RESTRAINING SYSTEM: STEEL DIAGONAL BRACING
6. ANALYSIS PROCEDURE: UNIFIED ANALYSIS
7. DESIGN BASE SHEAR: 5K +
8. RESPONSE MODIFICATION FACTOR, R : 2
9. FOUNDATIONS: FOUNDATIONS ARE BASED ON AN ASSUMED SOIL NET BEARING CAPACITY OF 2,000 PSF
- F. FLOOD DESIGN DATA:
1. FLOOD DESIGN CLASS: N/A
- G. SPECIAL LOADS: N/A
- H. SPECIAL RAIN LOAD DATA:
1. DESIGN RAINFALL INTENSITY, i : 5.64 in/hr (15-MIN), 2.30 in/hr (60-MIN)

**TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL PROJECT - PHASE 1
MAINTENANCE BUILDING**

27 FIFTH AVENUE
TIIOGA CENTER NY 13845

KING + KING PROJ. NO.: 26-44-9206

SED PROJECT NUMBERS:

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- ☐ D: NEW BUS GARAGE: 60-09-03-04-5-026-006



SEPTEMBER 30, 2026

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MARK	DATE	DESCRIPTION
100% CONSTRUCTION DOCUMENT		
DRAWING DATE: 04/06/2026		

SCALE: AS NOTED

DRAWING TITLE:

ROOF FRAMING PLAN

C ST1 0

CS 1.0

king+king
ARCHITECTS

THE DRAWING COORDINATE SYSTEM IS USED TO STANDARDIZE NUMBERING FROM DRAWING TO DRAWING AND FROM PROJECT TO PROJECT.

EACH SHEET SIZE IS BROKEN INTO COLUMNS AND ROWS STARTING AT THE BOTTOM LEFT CORNER OF THE SHEET. EACH QUADRANT IS NUMBERED ACCORDING TO ITS LOCATION ON THE GRID. THE ROW IS THE FIRST CHARACTER, AND IS ALWAYS A LETTER. THE COLUMN IS THE SECOND CHARACTER, AND IS ALWAYS A NUMBER.

[illegible][illegible]

	ACOUSTIC TILE		DRYWALL CEILING		GYPSUM DRYWALL		RIGID INSULATION
	ALUMINUM		EARTH (UNDISTURBED)		LIGHT WEIGHT CONCRETE		STEEL
	BRICK		EARTH (DISTURBED)		METAL STUD PARTITION		WOOD BLOCKING
	CERAMIC TILE		GLASS		PATCHING		WOOD SHIM
	CONCRETE		GLAZED STRUCTURAL TILE		PLASTER		WOOD FINISHED
	CONCRETE BLOCK		GRAVEL		PLYWOOD		EXISTING CONSTRUCTION

[illegible]

TIIOGA CENTRAL SCHOOL DISTRICT 2025 CAPITAL PROJECT - PHASE 1 MAINTENANCE BUILDING

SED PROJECT NUMBERS:
A: K-12 MAIN BUILDING: NO WORK
B: PRE-K BUILDING: NO WORK
C: MAINTENANCE BLDG: 60-09-03-04-3-005-001
D: NEW BUS GARAGE: 60-09-03-04-5-026-006

SED PROJECT NUMBERS:
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D: NEW BUS GARAGE: 60-09-03-04-5-026-006

License Expiration Date: 5/31/2029

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08/01/2028	ISSUED FOR BID
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ARK	DATE	DESCRIPTION
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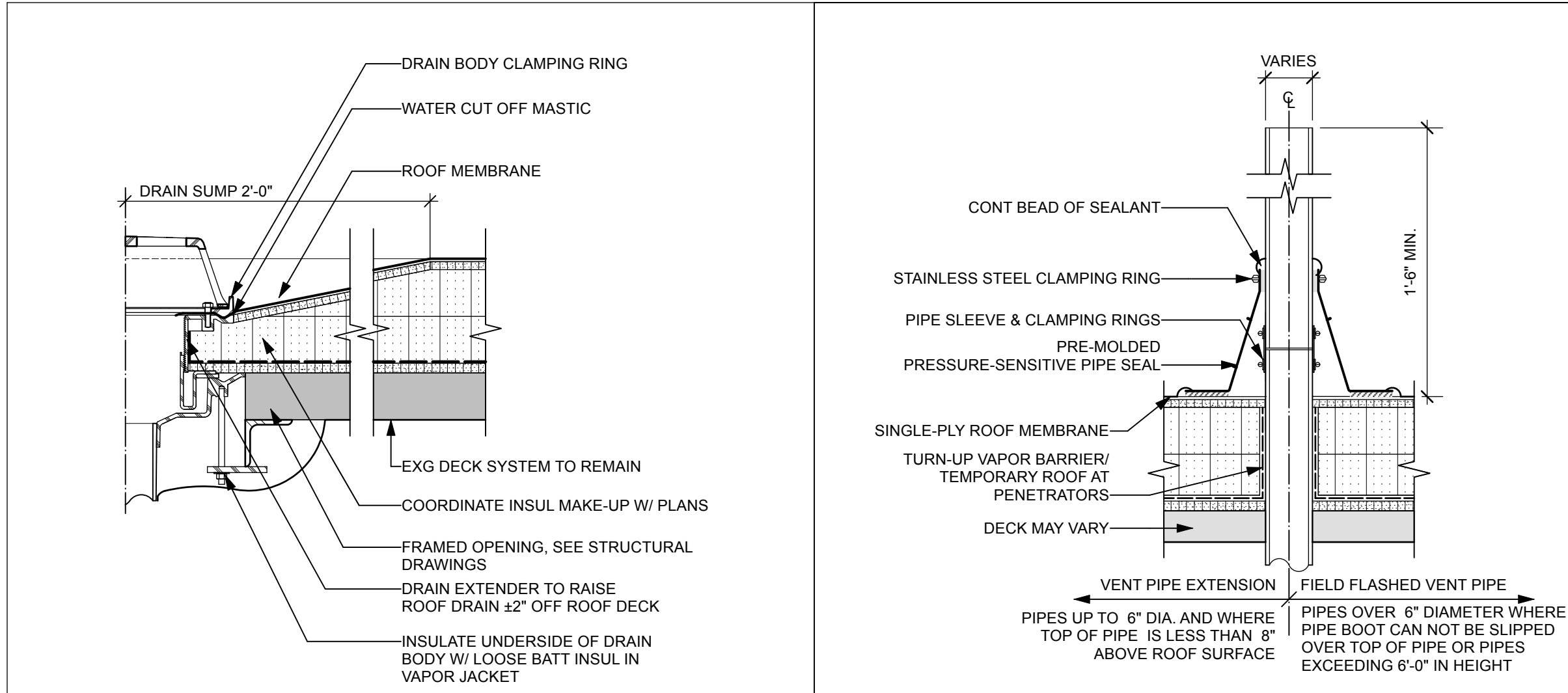
100% CONSTRUCTION DOCUMENTS

DRAWING DATE: 04/06/2026

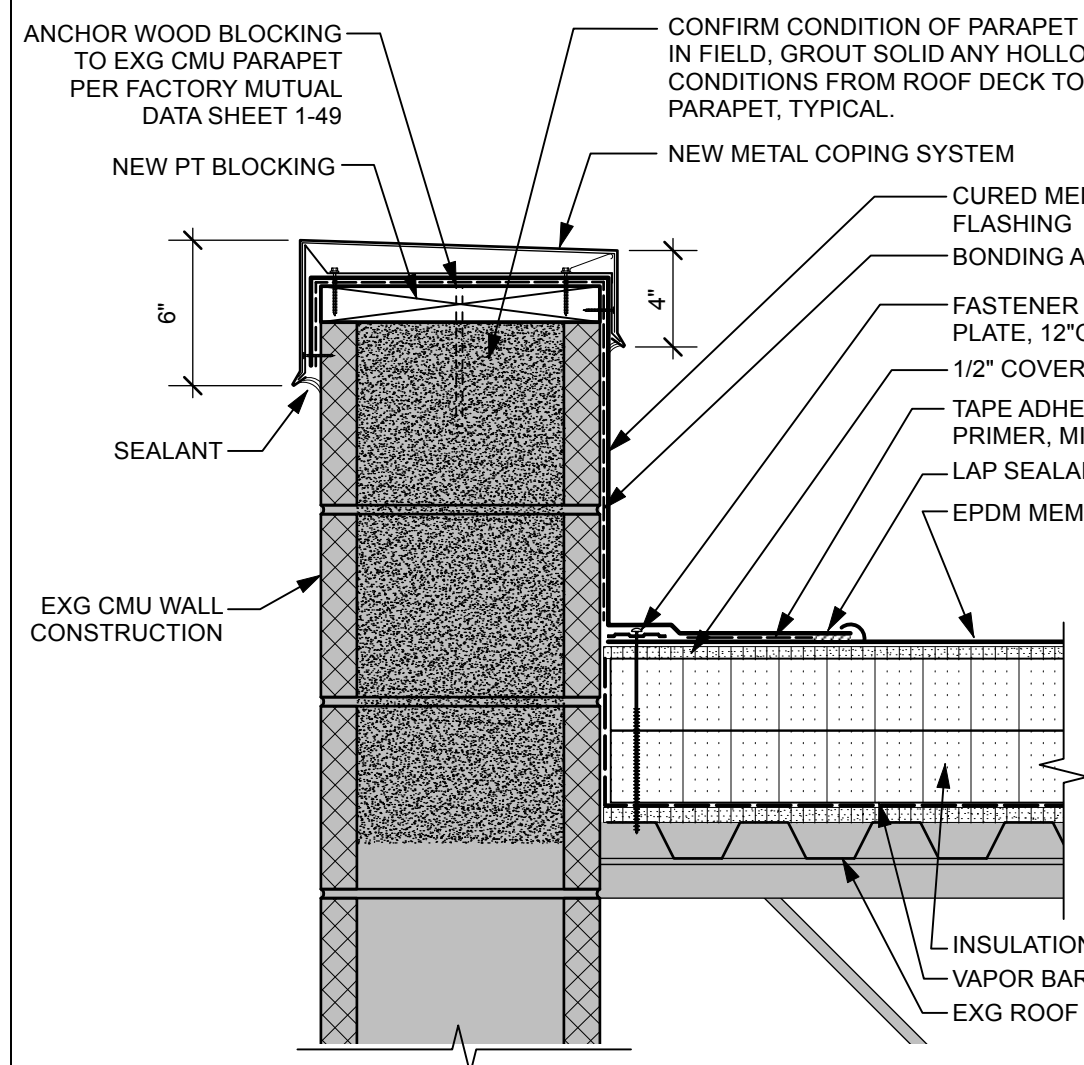
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LEGENDS, SYMBOLS, AND DETAILS

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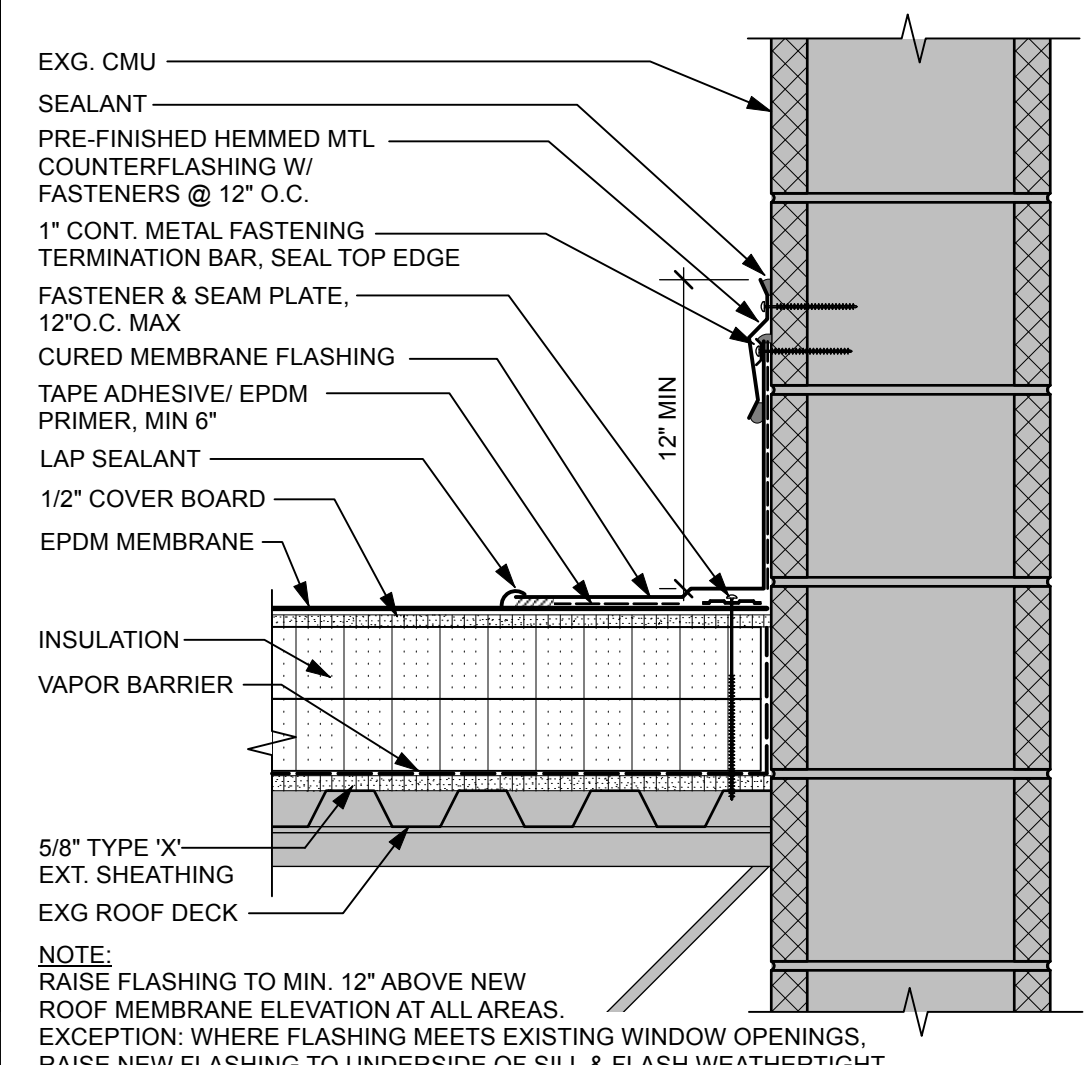


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C A1.01
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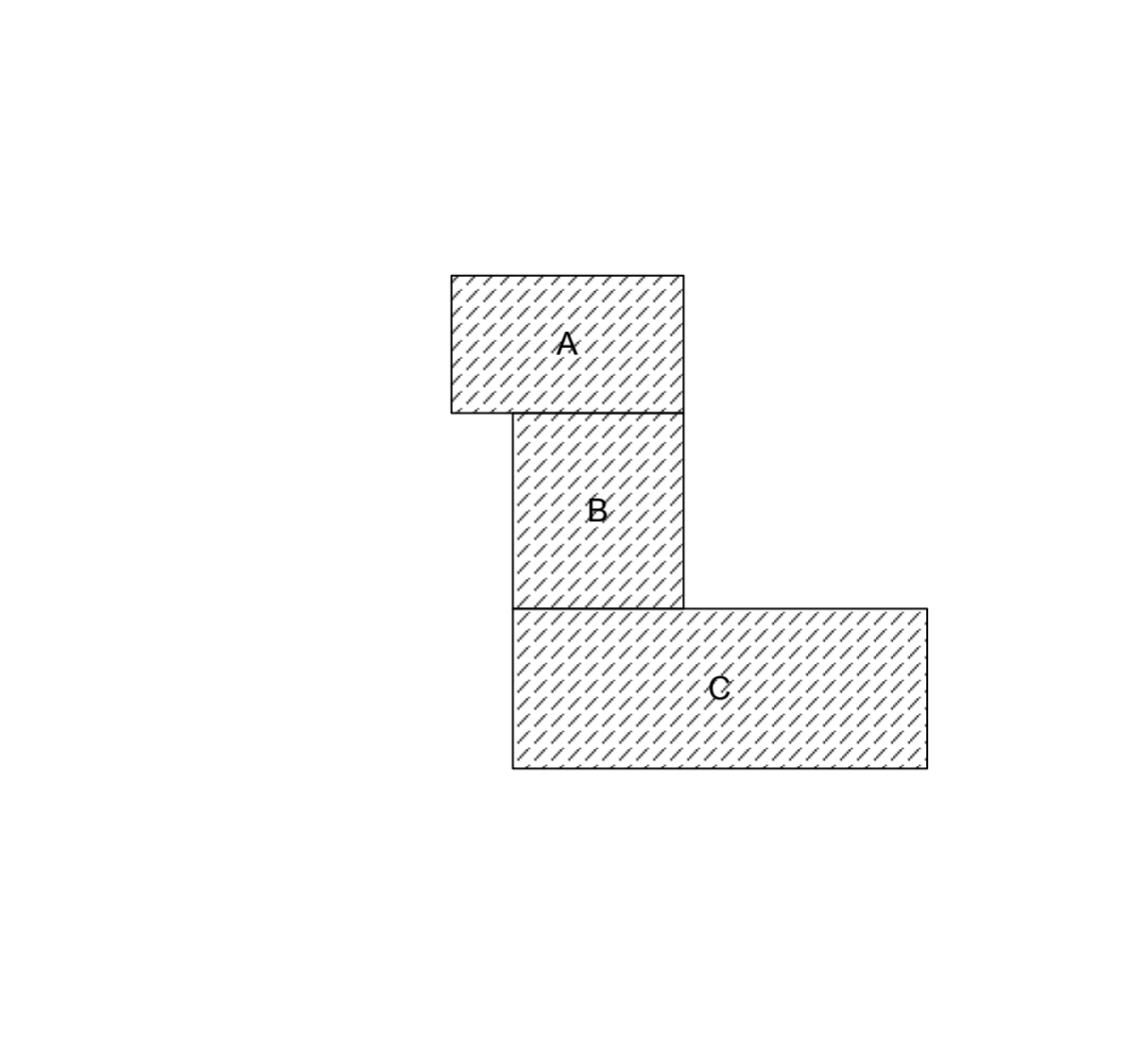
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C A1.01
Scale: 1 1/2" = 1'-0"



D2
C A1.01
Scale: 1 1/2" = 1'-0"

E3
C A1.01
Scale: 1 1/2" = 1'-0"



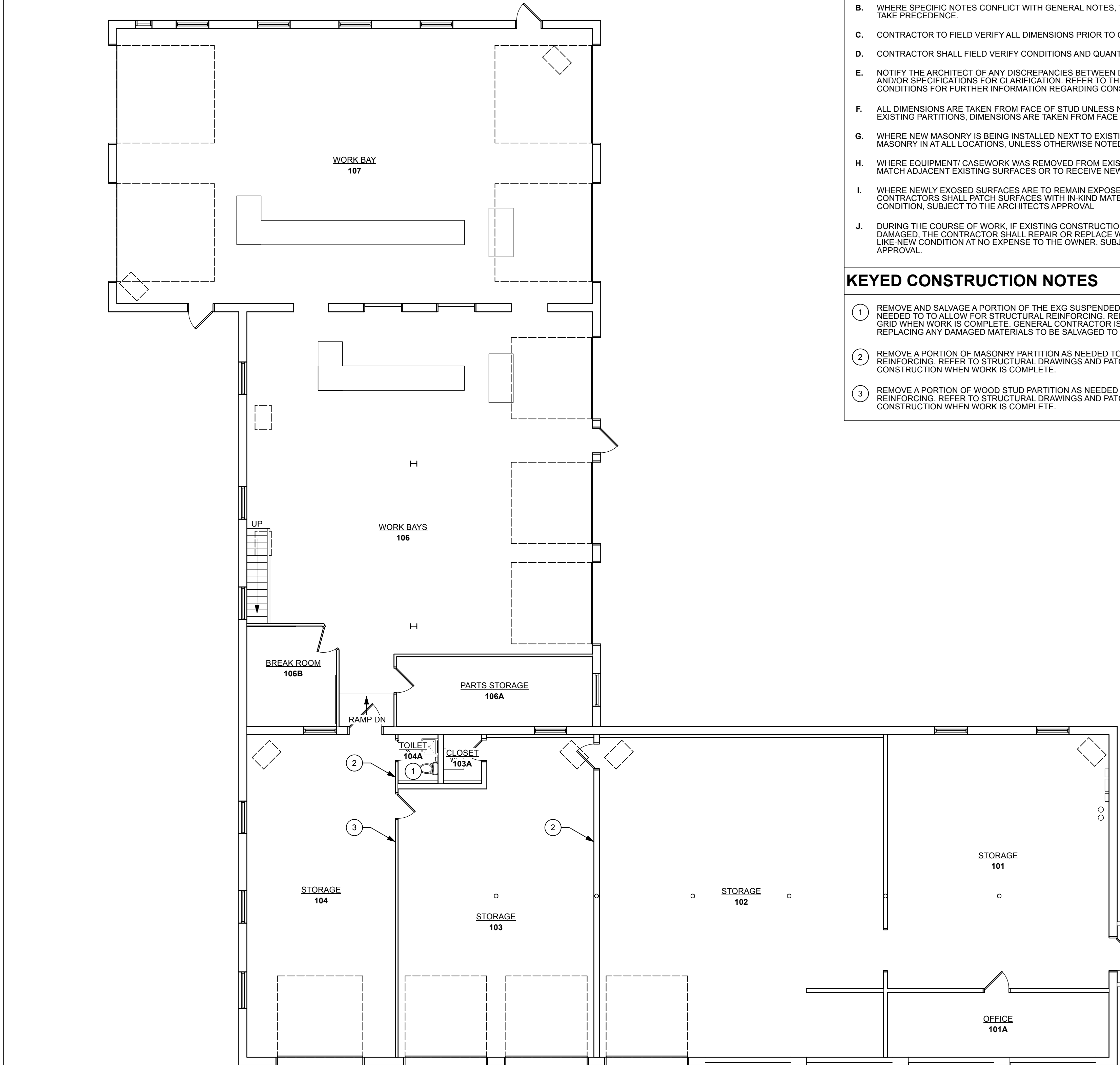
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GENERAL CONSTRUCTION NOTES

- THESE NOTES APPLY TO EXISTING SPACES AND BUILDING CONSTRUCTION AFFECTED BY THE WORK. SEE ALSO GENERAL DEMOLITION NOTES, GENERAL REFLECTED CEILING PLAN NOTES, GENERAL PARTITION NOTES, ETC.
- WHERE SPECIFIC NOTES CONFLICT WITH GENERAL NOTES, THE SPECIFIC NOTE SHALL TAKE PRECEDENCE.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND QUANTITIES PRIOR TO BIDDING.
- NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS, SCHEDULES, AND/OR SPECIFICATIONS FOR CLARIFICATION. REFER TO THE SUPPLEMENTARY GENERAL CONDITIONS FOR FURTHER INFORMATION REGARDING CONSTRUCTION DOCUMENTS.
- ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD UNLESS NOTED OTHERWISE. AT EXISTING PARTITIONS, DIMENSIONS ARE TAKEN FROM FACE OF EXISTING FINISH.
- WHERE NEW MASONRY IS BEING INSTALLED NEXT TO EXISTING MASONRY, TOOTH MASONRY IN AT ALL LOCATIONS, UNLESS OTHERWISE NOTED.
- WHERE EQUIPMENT/ CASEWORK WAS REMOVED FROM EXISTING WALLS, PATCH WALLS TO MATCH ADJACENT EXISTING SURFACES OR TO RECEIVE NEW FINISHES AS SCHEDULED.
- WHERE NEWLY EXPOSED SURFACES ARE TO REMAIN EXPOSED IN THE COMPLETED WORK, CONTRACTORS SHALL PATCH SURFACES WITH IN-KIND MATERIAL & TO LIKE-NEW CONDITION, SUBJECT TO THE ARCHITECT'S APPROVAL.
- DURING THE COURSE OF WORK, IF EXISTING CONSTRUCTION INDICATED TO REMAIN IS DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION AT NO EXPENSE TO THE OWNER, SUBJECT TO THE ARCHITECT'S APPROVAL.

KEYED CONSTRUCTION NOTES

- REMOVE AND SALVAGE A PORTION OF THE EXG SUSPENDED CEILING TILE AND GRID AS NEEDED TO TO ALLOW FOR STRUCTURAL REINFORCING. REINSTALL SALVAGED TILE AND GRID WHEN WORK IS COMPLETE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED MATERIALS TO BE SALVAGED TO MATCH EXG.
- REMOVE A PORTION OF MASONRY PARTITION AS NEEDED TO ALLOW FOR STRUCTURAL REINFORCING. REFER TO STRUCTURAL DRAWINGS AND PATCH TO MATCH EXG WALL CONSTRUCTION WHEN WORK IS COMPLETE.
- REMOVE A PORTION OF WOOD STUD PARTITION AS NEEDED TO ALLOW FOR STRUCTURAL REINFORCING. REFER TO STRUCTURAL DRAWINGS AND PATCH TO MATCH EXG WALL CONSTRUCTION WHEN WORK IS COMPLETE.



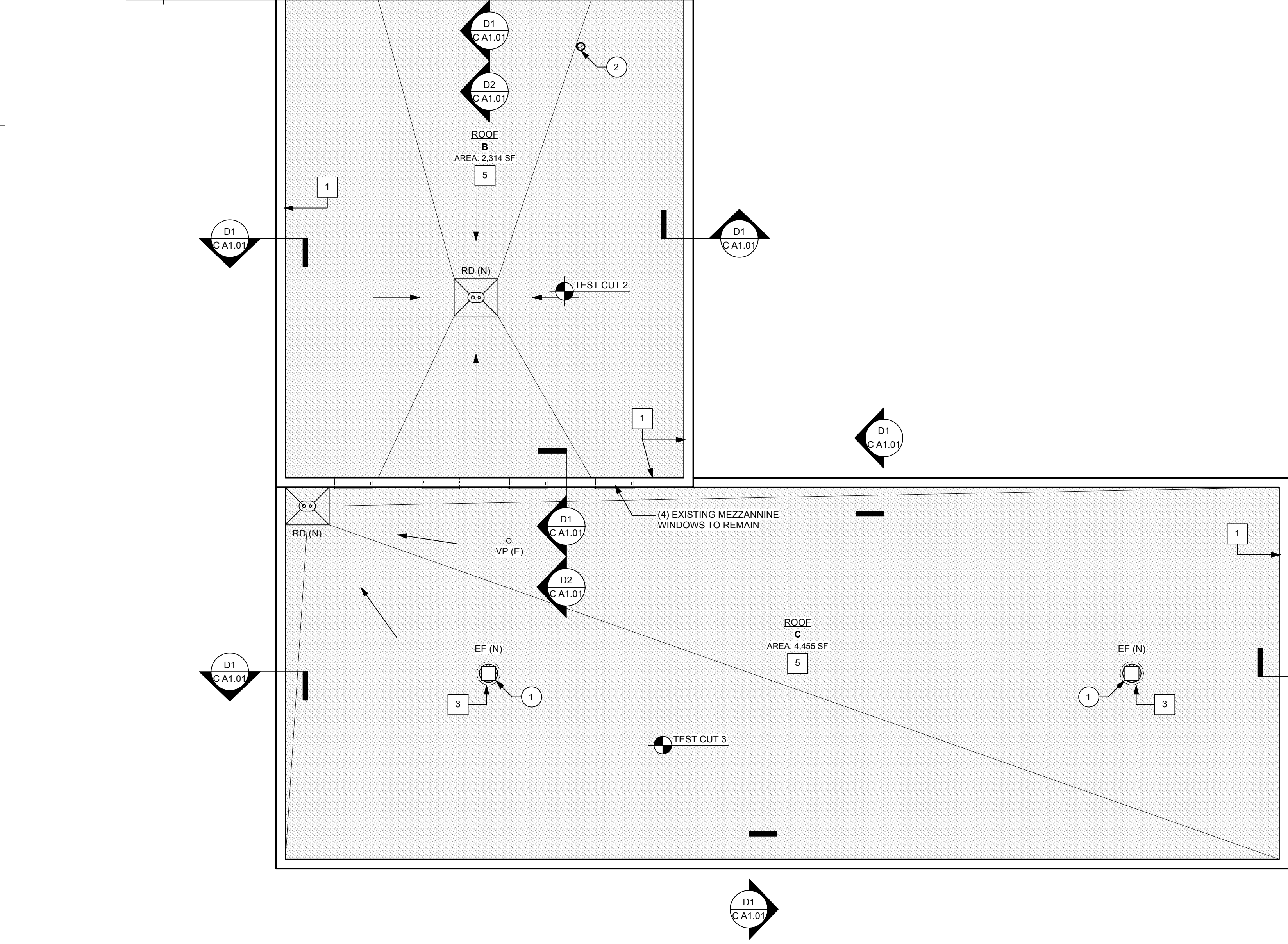
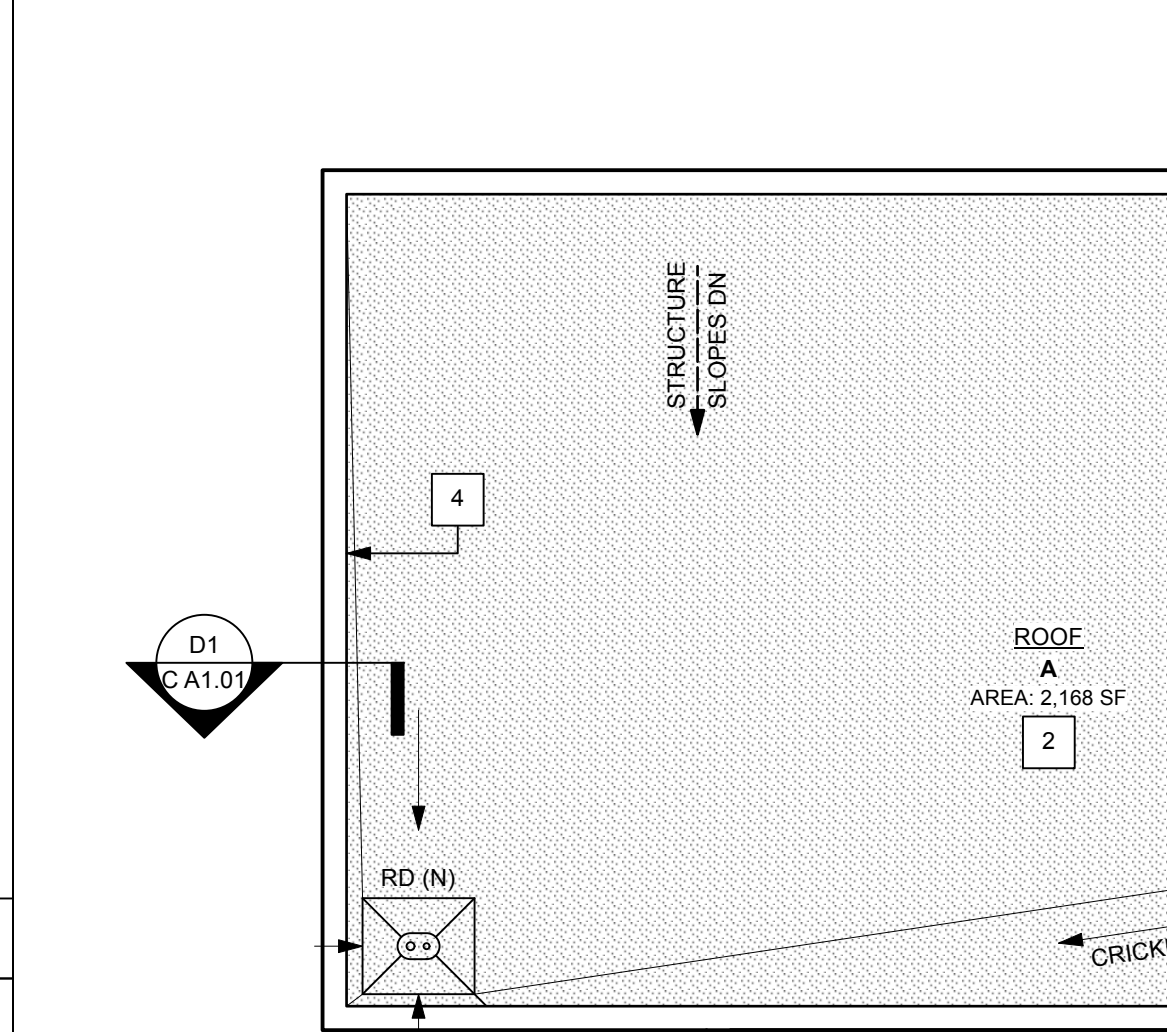
A1
C A1.01
Scale: 1/8" = 1'-0"

ROOF PLAN LEGEND		
SYMBOL	DESCRIPTION	DETAIL
	HATCH INDICATES AREA OF NEW EPDM ROOF ASSEMBLY	B8
	SLOPED ROOF STRUCTURE, TYP	
	HIGH OR LOW POINT OF ROOF STRUCT @ SLOPED ROOFS	
	SLOPE OF TAPERED INSULATION, TYP	
	TAPERED ROOF CRICKET	
	RD (N)	ROOF DRAIN, SEE ROOFING GENERAL NOTES
	HP or LP	HIGH POINT or LOW POINT
	ROOF EXPANSION JOINT	
	EF (D)	REMOVE EXHAUST FAN
	EF (N)	NEW EXHAUST FAN
	RD (N)	EXISTING ROOF DRAIN
	VP (E)	EXISTING VENT PIPE

REFER TO MEP ROOF DRAWINGS FOR ADDITIONAL INFORMATION ON EQUIPMENT INCLUDING APPROX. SIZES AND LOCATIONS.

D4
C A1.01
Scale: 1 1/2" = 1'-0"

NEW EPDM MEMBRANE ROOF SYSTEM



A4
C A1.01
Scale: 1/8" = 1'-0"

ROOFING DEMOLITION KEYED NOTES		
1	REMOVE EXISTING STONE COPING, FULL PERIMETER. COORDINATE WITH ASBESTOS ABATEMENT SUBCONTRACTOR'S REMOVAL OF ASBESTOS CONTAINING FLASHING/PARAPET COATING. PREPARE SURFACE FOR NEW PT WOOD BLOCKING & INSTALLATION OF NEW ROOFING SYSTEM/ COPING INDICATED.	
2	REMOVE EXISTING ROOFING SYSTEM, INCLUDING MEMBRANE, INSULATION, FLASHINGS, SUBSTRATES AND ALL ATTACHMENTS, COMPLETE. PREPARE FOR INSTALLATION OF NEW SYSTEM PER MANUFACTURER'S RECOMMENDATIONS.	
3	GENERAL CONTRACTOR TO PREPARE OPENING FOR INSTALLATION OF NEW CURB AND RELIEF HOOD. COORDINATE WITH REMOVAL OF EXISTING RELIEF HOOD, ROOF CURB AND ASSOCIATED ACCESSORIES & DUCTWORK BY MECHANICAL CONTRACTOR.	
4	REMOVE EXISTING METAL COPING, COMPLETE, FULL PERIMETER, INCLUDING ALL BLOCKING, ATTACHMENTS, ACCESSORIES. PREPARE SURFACE FOR NEW PT WOOD BLOCKING & INSTALLATION OF NEW ROOFING SYSTEM/ COPING INDICATED.	
5	REMOVE EXISTING ROOFING SYSTEM, INCLUDING MEMBRANE, INSULATION, SUBSTRATES AND ALL ATTACHMENTS, COMPLETE. ALL FLASHING/PARAPET COATING IN THIS AREA IS ASBESTOS CONTAINING. COORDINATE REMOVALS WITH ASBESTOS ABATEMENT SUBCONTRACTOR. PREPARE FOR INSTALLATION OF NEW SYSTEM PER MANUFACTURER'S RECOMMENDATIONS.	

- GENERAL CONTRACTOR TO INSTALL CURB ASSEMBLY PROVIDED BY MECHANICAL CONTRACTOR FOR NEW RELIEF HOOD. VERIFY & COORDINATE DIMENSIONS OF NEW EQUIPMENT AND CURB WITH CONDITIONS AT EXISTING ROOF PENETRATIONS.
- GENERAL CONTRACTOR TO PATCH EXG ROOF DECK OPENING TO MATCH EXG AT LOCATION OF ROOF DRAIN REMOVAL. COORDINATE WITH PLUMBING CONTRACTOR.

PRE-CONSTRUCTION ROOF CUT SUMMARY

ROOF TEST CUT NO.	ROOF TEST AREA	DESCRIPTION OF EXISTING CONDITION
1	ROOF A	- SLOPED METAL DECK - CRICKET - 1/2" FIBER BOARD - SARNAFIL MEMBRANE
2	ROOF B	- FLAT METAL DECK - 2" BUR - 1/2" FIBER BOARD - TAPERED ISO - SARNAFIL MEMBRANE
3	ROOF C	- SLOPED METAL DECK - 2" BUR - 1/2" FIBER BOARD - WHITE EPDM

ROOF SYSTEM (METAL DECK)

- COMPLETE TEAR OFF OF EXISTING ROOF SYSTEM TO EXISTING STRUCTURAL METAL DECK.
- INSTALL SUBSTRATE BOARD/ THERMAL BARRIER BY MECHANICAL FASTENING.
- PRIME SURFACE & INSTALL VAPOR BARRIER/ TEMPORARY ROOF.
- INSTALL RIGID INSULATION - FLAT AND/OR TAPERED AS INDICATED IN PLAN (COLD ADHESIVE APPLICATION) INSTALL IN A MINIMUM OF (2) LAYERS UNLESS INDICATED OTHERWISE.
- INSTALL NEW COVER BOARD (COLD ADHESIVE APPLICATION).
- INSTALL SINGLE-PLY ROOF MEMBRANE (FULLY ADHERED SYSTEM).

- #### ROOFING GENERAL NOTES
- REFER TO 011000 SUMMARY OF WORK FOR SCOPE ASSOCIATED WITH THIS CONTRACT VS. WORK PREVIOUSLY AWARDED UNDER SEPARATE CONTRACT.
- EXISTING CONDITIONS - INFORMATION SHOWN PERTAINING TO EXISTING CONDITIONS IS BASED ON VISUAL INSPECTION AND EXISTING CONSTRUCTION DOCUMENTS PROVIDED BY OWNER. ANY DISCREPANCIES DISCOVERED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. DESCRIPTIONS AND DETAILS OF EXISTING CONDITIONS MAY VARY FROM THOSE INDICATED.
 - EXISTING EQUIPMENT - ALL EXISTING ROOF PENETRATIONS, EQUIPMENT, AND ACCESSORIES ARE "EXISTING TO REMAIN" UNLESS INDICATED OTHERWISE. FIELD VERIFY COMPATIBILITY OF ANY NEW EQUIPMENT SIZES WITH THE EXISTING OPENINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
 - FIELD VERIFICATION - THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK PRIOR TO SUBMISSION OF A BID. FIELD VERIFY ALL DIMENSIONS.
 - PROTECTION - THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS REQUIRED TO PROTECT THE ADJACENT ROOF SURFACES. ADJACENT ROOF SURFACES MAY CURRENTLY BE UNDER A MANUFACTURER'S WARRANTY. THE CONTRACTOR SHALL VERIFY CONDITIONS. ANY WORK DONE AFFECTING ADJACENT SURFACES SHALL BE BY AUTHORIZED PERSONNEL, USING MATERIALS AND METHODS ACCEPTABLE BY THE WARRANTY. OBTAIN APPROVALS, INSPECTIONS, AND DOCUMENTATION AS NECESSARY TO SUBSTANTIATE ACCEPTANCE.
 - LOADING - THE CONTRACTOR SHALL AVOID EXCESSIVE LOADING OF THE BUILDING ELEMENTS WHEN PLACING AND HANDLING ROOFING MATERIALS AND EQUIPMENT. ROOF LOADING DURING CONSTRUCTION SHOULD NOT EXCEED THE STRUCTURAL DESIGN LOAD OF 55 POUNDS PER SQUARE FOOT.
 - ROOF DRAINS - EXISTING ROOF DRAINS ARE TO REMAIN UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PROVIDE NEW MATCHING CLAMPS, BOLTS, AND/OR STRAINERS WHERE THE EXISTING ARE MISSING OR DAMAGED. THE CONTRACTOR, ALONG WITH OWNER'S PROJECT REPRESENTATIVE, SHALL INSPECT ALL ROOF DRAIN LEADERS TO CONFIRM POSITIVE WATER FLOW PRIOR TO THE START OF WORK AND FOLLOWING COMPLETION OF THE WORK.
 - PLUMBING VENTS - EXISTING PLUMBING VENTS/STACKS THAT WILL NOT EXTEND A MINIMUM OF 1'-0" ABOVE THE HEIGHT OF THE NEW ROOF SYSTEM SHALL BE EXTENDED AS PART OF THE WORK. COORDINATE MATERIALS AND TECHNIQUES WITH THE ARCHITECT PRIOR TO EXECUTION.
 - DEWATERING - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF STANDING WATER ON THE ROOF REQUIRED TO PERFORM THE WORK.
 - ALL WOOD MAILERS AT ROOF EDGE & OTHER MEMBRANE SECUREMENT POINTS ARE TO BE ATTACHED TO THE SUBSTRATE WITH APPROPRIATE FASTENERS FOR THE SUBSTRATE & AT SIZES & SPACINGS, INCLUDING INCREASED FASTENER DENSITIES AT OUTSIDE EDGES AND CORNERS, AS RECOMMENDED IN FACTORY MUTUALS LOOSE PREVENTION DATA BULLETIN 1-49.
 - ALUMINUM FASCIA & COPING FINISH AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLOR SELECTIONS. ROOF EDGE METAL & COPING MUST BE INCLUDED IN MANUFACTURER'S FULL SYSTEM WARRANTY & SHALL MEET LATEST VERSION OF ANSI/SPI-ES-1 WIND DESIGN STANDARD FOR EDGE SYSTEMS.
 - ANY ADDITIONAL WOOD BLOCKING ATTACHED TO BASE LAYER MUST BE ATTACHED WITH CORROSION RESISTANT NAILS OR LAG SCREWS IN PATTERN & DENSITY RECOMMENDED IN FM PDB 1-49.
 - THE CONTRACTOR IS RESPONSIBLE FOR WORK AS REQ. TO SUPPORT OTHER TRADES AND THEIR SCHEDULED TASKS TO PROVIDE A WATER TIGHT ROOF ENCLOSURE AT ALL TIMES.

ROOFING ENVELOPE INSULATION VALUE

TIOGA COUNTY CLIMATE ZONE 5 (NYS ECCC, FIG. 301.1)	
NEW ROOFING SYSTEM (GLAZED AREA OF WALLS @ 10% - 25%)	
	"R VALUE"
OUTSIDE AIR FILM	0.10
EPDM MEMBRANE	0.00
1/2" COVER BOARD	2.50
6" POLYISO INSULATION BOARD (TABLE 802.2 (5) - NYS ECCC - MIN. R=20)	34.80
VAPOR BARRIER (ICE & WATER SHIELD)	0.12
5/8" SUBSTRATE BOARD	1.50
STRUCTURAL DECK	0.00
INSIDE AIR FILM	0.61
Rt	= 39.63
U	= 0.025

TIOGA CENTRAL SCHOOL DISTRICT 2025 CAPITAL PROJECT - PHASE 1 MAINTENANCE BUILDING

27 FIFTH AVENUE
TIOGA CENTER, NY 13845

KING + KING PROJ. NO.: 28-44-9206

SED PROJECT NUMBERS:
A: K-12 MAIN BUILDING: NO WORK
B: PRE-K BUILDING: NO WORK
C: MAINTENANCE BLDG: 60-09-03-04-000-001
D: NEW BUS GARAGE: 60-09-03-04-0-028-006

REGISTERED ARCHITECT
TERRY S. THOMPSON
STATE OF NEW YORK
No. 3755
License Expiration Date: 5/31/2029

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09/01/2028 ISSUED FOR BID
MARK DATE DESCRIPTION
DRAWING DATE: 04/06/2026
DRAWN BY: LAS / EMR

SCALE: Sheet Scale
DRAWING TITLE:

FIRST FLOOR & ROOF
PLANS AND DETAILS

C A1.01

king + king
ARCHITECTS

TIOGA CENTRAL SCHOOL DISTRICT

27 FIFTH AVENUE

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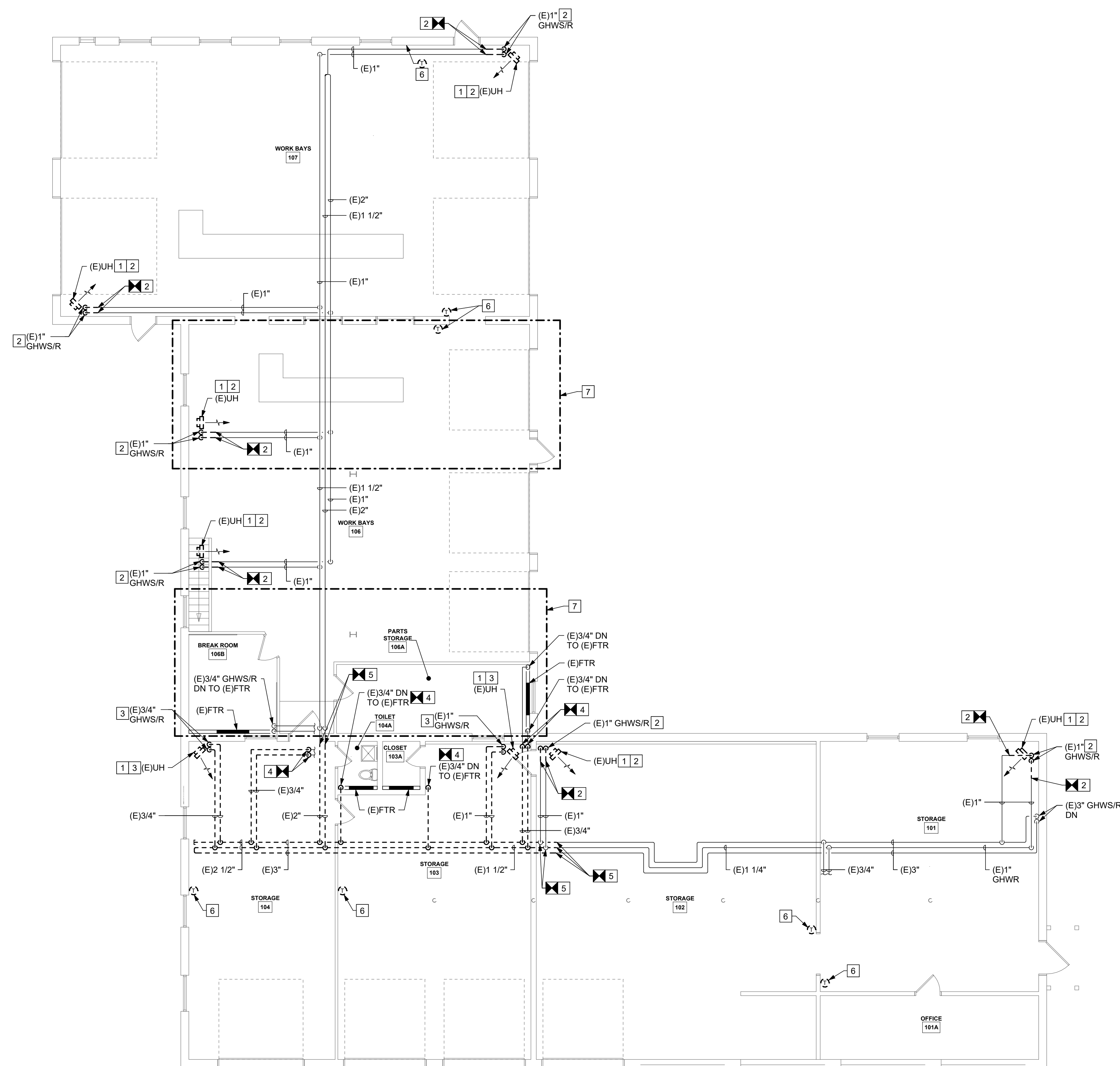
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SCALE: As Indicated

1. *Journal of Management Studies*, 1997, 34, 1, 1-14.

C H0.01

- ## **DEMOLITION NOTES:**
- 1 REMOVE UNIT HEATER, ASSOCIATED ACCESSORIES AND CONTROLS COMPLETELY.
 - 2 REMOVE GLYCOL HOT WATER SUPPLY/RETURN PIPING FROM UNIT HEATER BACK TO POINT INDICATED AND DISCONNECT.
 - 3 REMOVE GLYCOL HOT WATER SUPPLY/RETURN PIPING FROM UNIT HEATER BACK TO PIPING MAINS COMPLETELY TO ALLOW FOR STRUCTURAL REPAIRS.
 - 4 REMOVE GLYCOL HOT WATER SUPPLY/RETURN PIPING FROM VERTICAL PIPE DROP BACK TO PIPING MAINS COMPLETELY TO ALLOW FOR STRUCTURAL REPAIRS.
 - 5 PREPARE PIPING FOR RECONNECTION.
 - 6 REMOVE GLYCOL HOT WATER SUPPLY/RETURN BETWEEN UNIT HEATER AND PIPING MAINS TO ALLOW FOR REPAIRING SCOPE OF WORK. PREPARE PIPING FOR RECONNECTION.
 - 7 REMOVE THERMOSTAT AND ASSOCIATED CONTROL WIRING COMPLETELY.
 - 8 REMOVALS ASSOCIATED WITH STRUCTURAL REINFORCING - THE CONTRACTOR'S CONTINGENCY ALLOWANCE WILL BE USED TO COVER THE REMOVAL OF EXISTING STRUCTURAL REINFORCING, RELOCATION OF EQUIPMENT, DEVICES OR GLYCOL HOT WATER SUPPLY/RETURN PIPING TO ACCOMMODATE THE STRUCTURAL REINFORCING REQUIRED TO BE INSTALLED TO SUPPORT THE NEW WORK WILL BE COMPLETED ON A TIME-AND-MATERIALS BASIS AND CONFIRMED BY THE CONSTRUCTION MANAGER.
 - 9 REMOVE RELIEF VALVE, PIPING, ASSOCIATED ACCESSORIES, CONTROLS AND DUCTWORK COMPLETELY.

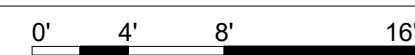


PROJECT NORTH

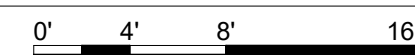
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FIRST FLOOR DEMOLITION PLAN

1/8" = 1'-0" 0' 4'



PROJECT NORTH
2
ROOF DEMOLITION PLAN
1/8" = 1'-0"



TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
MAINTENANCE BUILDING

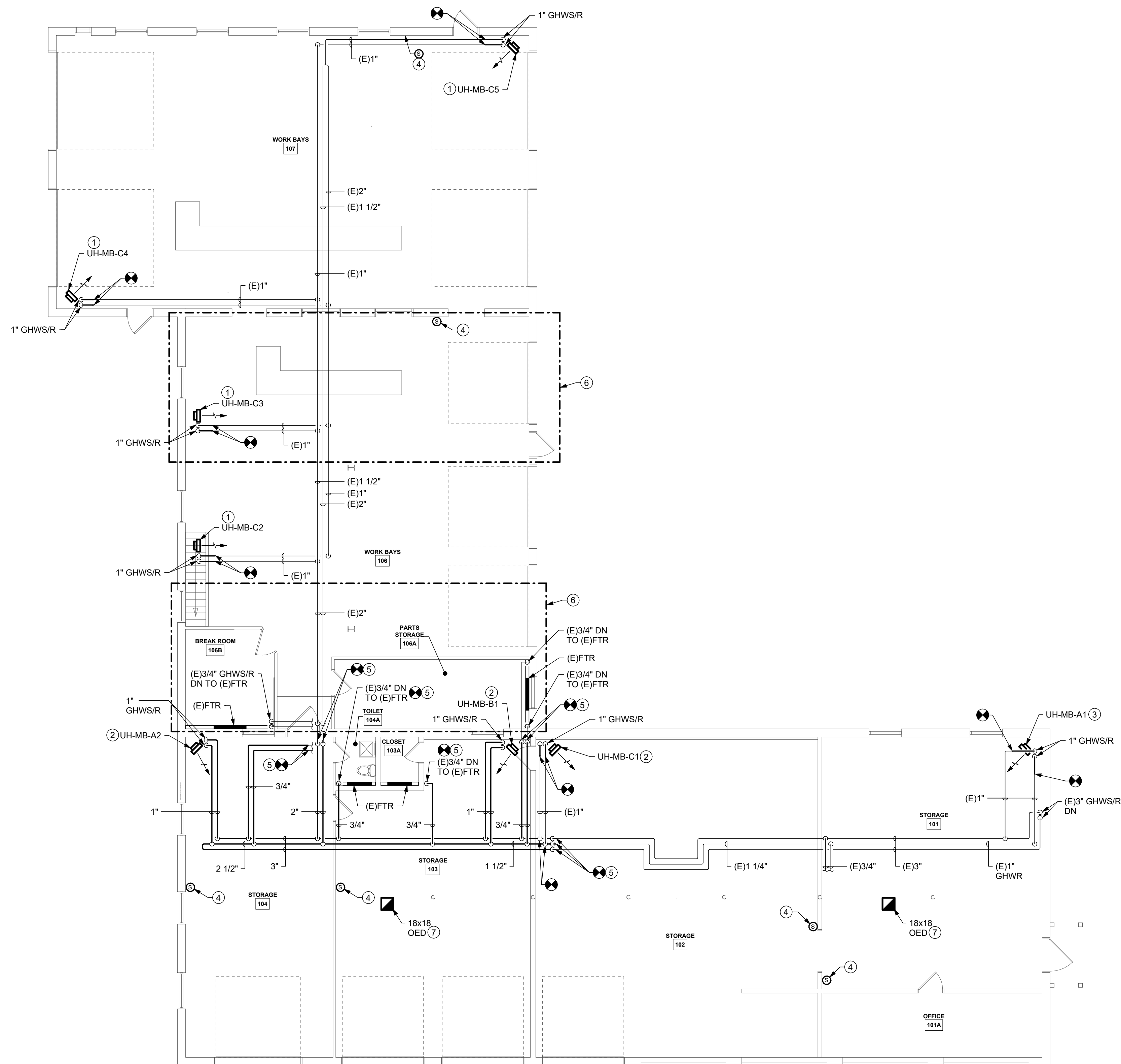
27 FIFTH AVENUE
TIOGA CENTER, NY 13845

GENERAL NOTES:

- A. PROVIDE ELECTRONIC DDC CONTROLS TO INTERFACE WITH EXISTING DDC SYSTEM FOR ALL NEW EQUIPMENT. PROVIDE ADDITIONAL DDC PANELS AS REQUIRED.

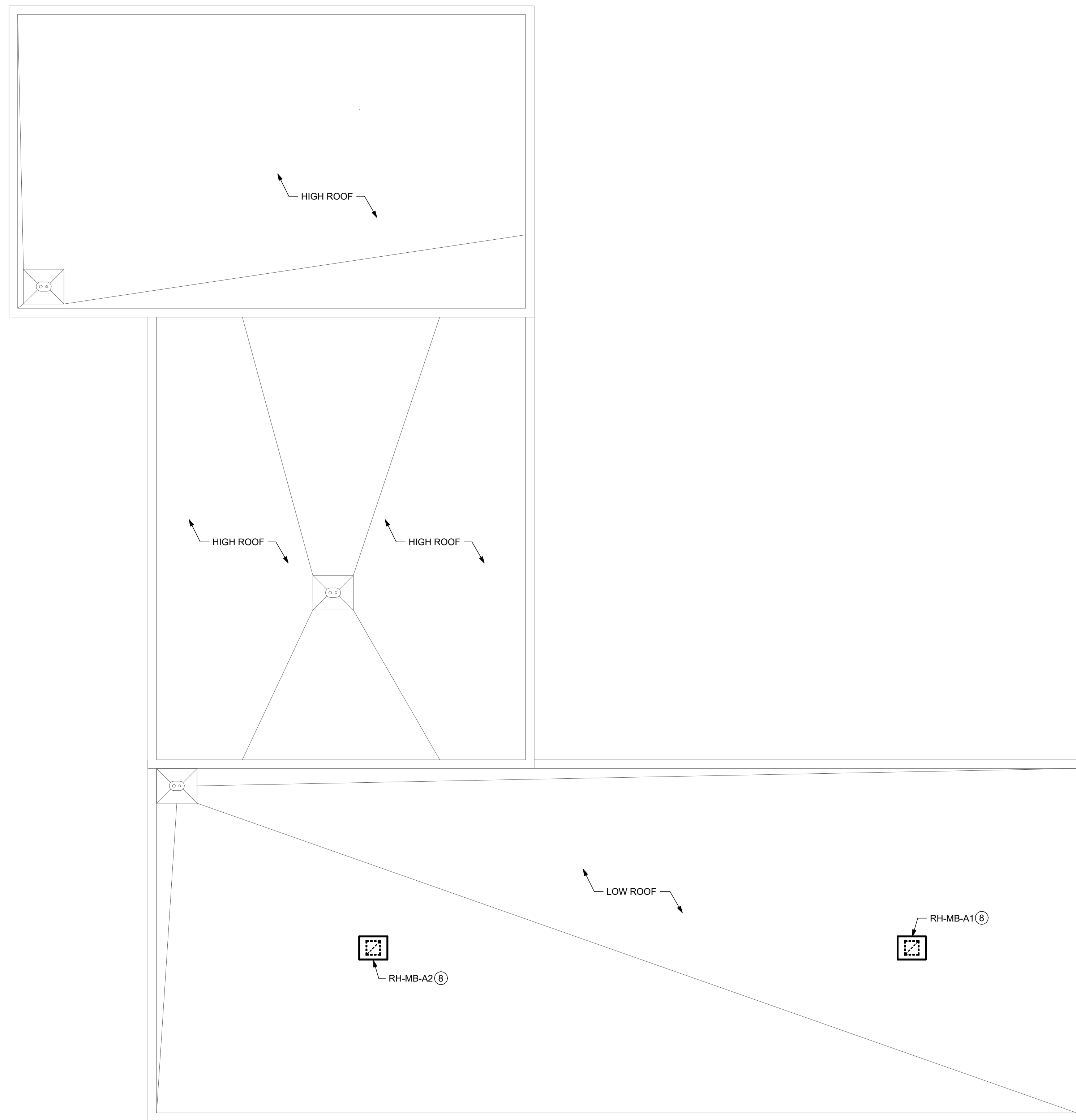
DRAWING NOTES:

1. MOUNT BOTTOM OF UNIT HEATER AT APPROXIMATELY 13'-0" AFF.
2. MOUNT BOTTOM OF UNIT HEATER AT APPROXIMATELY 8'-0" AFF.
3. MOUNT BOTTOM OF UNIT HEATER AT APPROXIMATELY 2'-0" AFF.
4. PROVIDE DDC ROOM SENSOR AND ASSOCIATED CONTROL WIRING.
5. PROVIDE GLYCOL HOT WATER SUPPLY/RETURN PIPING IN PLACE OF REMOVED AND RECONNECT TO EXISTING AT POINTS INDICATED. MOUNT ALL PIPING AS HIGH AS POSSIBLE.
6. REMOVALS ASSOCIATED WITH STRUCTURAL REINFORCING - THE CONTRACTOR'S CONTINGENCY ALLOWANCE WILL BE USED TO ADDRESS TEMPORARY REMOVALS, REINSTALLATION OR RELOCATION OF EQUIPMENT, DEVICES OR GLYCOL HOT WATER SUPPLY/RETURN PIPING TO ACCOMMODATE THE STRUCTURAL REINFORCING REQUIRED FOR REPLACEMENT OF THE ROOF. THIS WORK WILL BE COMPLETED ON A TIME-AND-MATERIALS BASIS AND CONFIRMED BY THE CONSTRUCTION MANAGER.
7. TERMINATE DUCTWORK WITHIN SPACE PER RELIEF AIR OUTLET DETAIL. PROVIDE MOTORIZED DAMPER IN DUCT RISER.
8. PROVIDE WIND-RESTRAINED ROOF CURB.



PROJECT NORTH
1 FIRST FLOOR PLAN
1/8" = 1'-0"

0' 4' 8' 16'

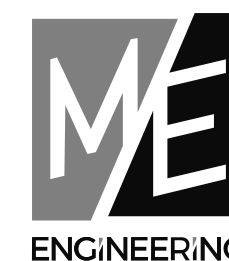


PROJECT NORTH
2 ROOF PLAN
1/8" = 1'-0"

0' 4' 8' 16'

KING + KING PROJ. NO.: 28-44-9208

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Rochester | Buffalo | Syracuse | Capital District
300 Madison Avenue, 9th Floor, 14606-2000
ROCHESTER, NY 14607 Project #2020019 www.meengineering.com



Reg. Exp: 04/20/2029
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MARK	DATE	DESCRIPTION
	06/01/2028	ISSUED FOR BID

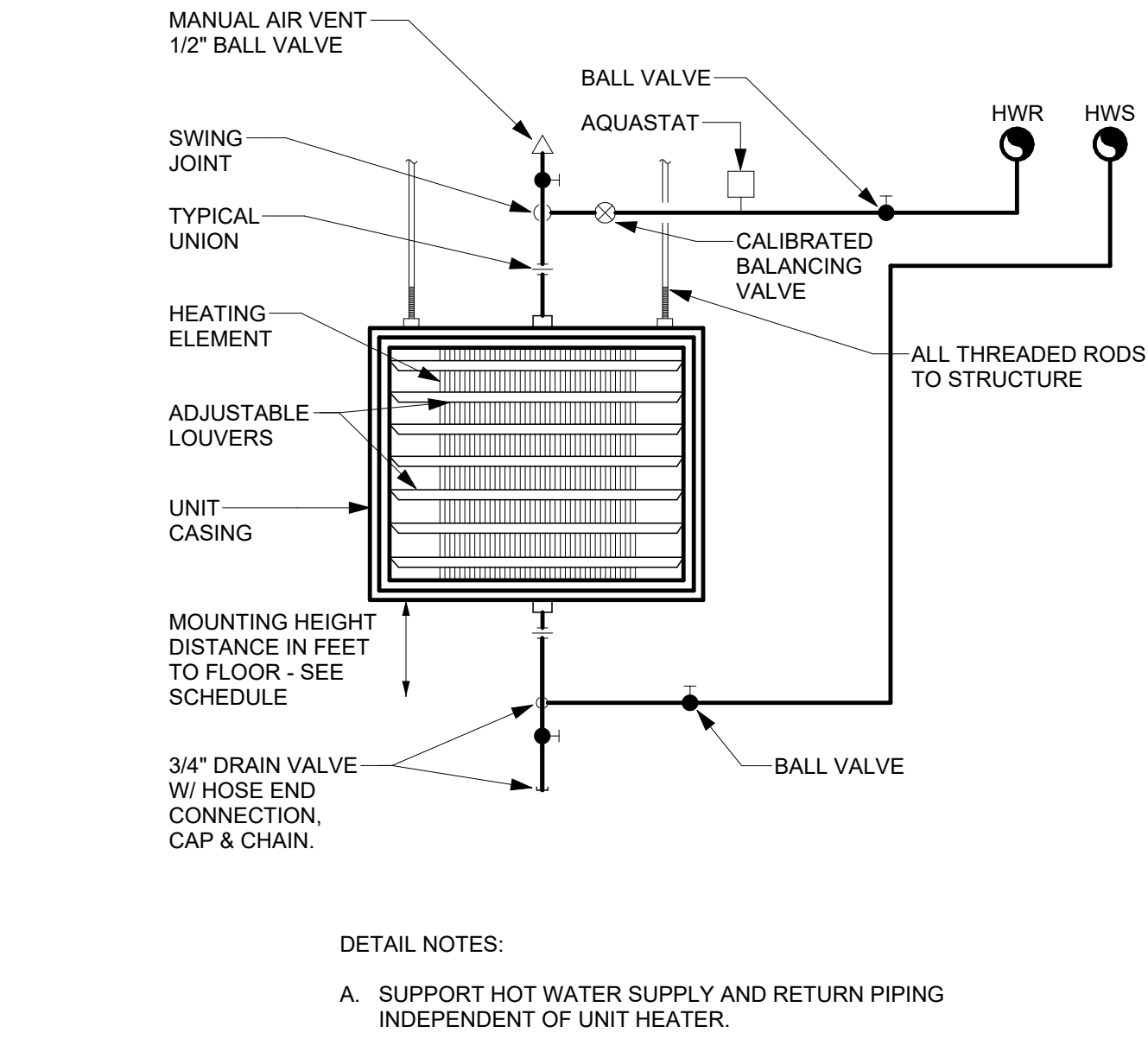
100% CONSTRUCTION DOCUMENTS
DRAWING DATE: 04/06/2026
DRAWN BY: KEPIAMR

SCALE: As Indicated
DRAWING TITLE:

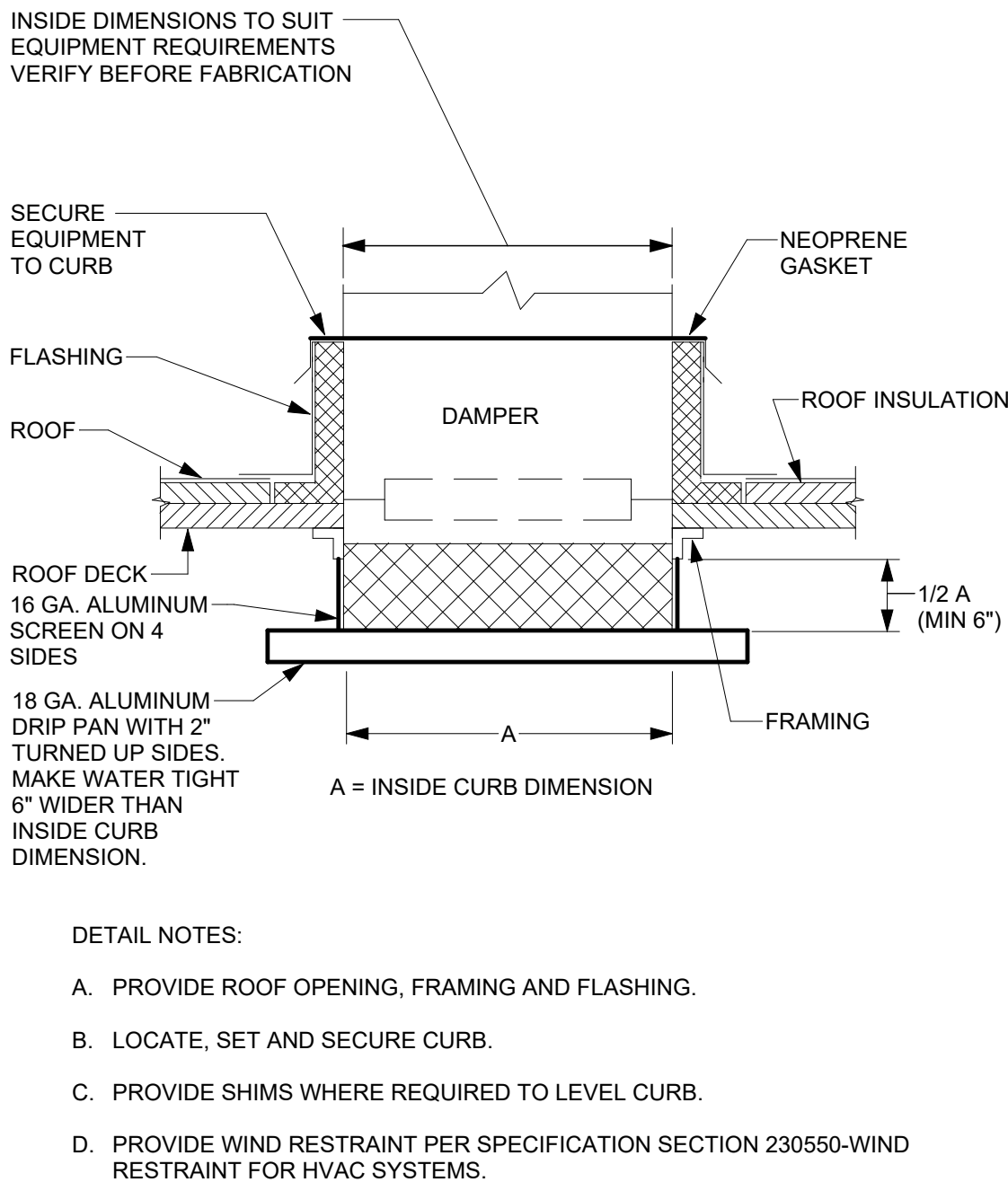
CONSTRUCTION PLANS -
FIRST FLOOR AND ROOF

C H1.01

HVAC SYMBOL LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING WORK TO BE REMOVED		GLYCOL HOT WATER SUPPLY
	POINT OF CONNECTION		GLYCOL HOT WATER RETURN
	POINT OF DISCONNECTION		TRIPLE DUTY VALVE
	DRAWING KEYNOTE		GLOBE VALVE
	DEMOLITION KEYNOTE		BALL VALVE
	THOUSAND BTU/HOUR		GATE VALVE
	NOT TO SCALE		CONTROL VALVE
	EXISTING		THREE WAY CONTROL VALVE
	ACOUSTIC THERMAL LINING - 1-1/2" THICK		CHECK VALVE
	ACOUSTIC THERMAL LINING - 2" THICK		BALANCING VALVE
	DOUBLE WALL LINED DUCT		BUTTERFLY VALVE
	FEET PER MINUTE		PRESSURE REDUCING VALVE
	CUBIC FEET PER MINUTE		PRESSURE/TEMPERATURE TEST PLUG
	OPPOSED BLADE VOLUME DAMPER		SINGLE LINE PIPE CONTINUED
	ABOVE FINISHED FLOOR		DOUBLE LINE PIPE OR ROUND DUCT CONTINUED
	ACCESS DOOR		DOUBLE LINE RECTANGULAR DUCT CONTINUED
	WALL TO WALL		AIR FLOW
	GENERAL CONTRACTOR		PIPE ANCHOR
	MECHANICAL CONTRACTOR		PIPE GUIDE
	PLUMBING CONTRACTOR		EXPANSION COMPENSATOR WITH GUIDES
	ELECTRICAL CONTRACTOR		PRE-FAB EXPANSION LOOP
	NORMALLY OPEN		STRAINER
	NORMALLY CLOSED		PRESSURE GAUGE
	FLEXIBLE DUCTWORK		THERMOMETER
	DUCT SECTION - FLAT OVAL (FO)		UNION
	ROUND DUCT - IN INCHES		AIR VENT
	DUCT SECTION - SUPPLY		DIRECTION OF FLOW
	DUCT SECTION - RETURN		REDUCER
	WIDTH A x DEPTH B		CAP OR PLUG
	FABRIC DUCTWORK		ELBOW DOWN
	TRANSITION SQUARE TO ROUND		ELBOW UP
	RISE IN DUCT - IN DIRECTION OF AIRFLOW		BOTTOM TAP
	DROP IN DUCT - IN DIRECTION OF AIRFLOW		AUTOMATIC AIR DAMPER
	SUPPLY DUCT TURNING UP OR DOWN		FIRE DAMPER
	RETURN DUCT TURNING UP OR DOWN		SMOKE DAMPER
	6" BOOT TAP		COMBINATION FIRE/SMOKE DAMPER
	SUPPLY/RETURN RECTANGULAR MAIN RECTANGULAR BRANCH		BACK DRAFT DAMPER
	SUPPLY/RETURN RECTANGULAR MAIN ROUND BRANCH		FLEX CONNECTOR - DUCTWORK
	SUPPLY/RETURN ROUND MAIN ROUND BRANCH		MOTORIZED DAMPER
	SUPPLY/RETURN LATERAL ROUND MAIN ROUND BRANCH		BLAST GATE
	MITERED ELBOW WITH TURNING VANES		VOLUME DAMPER
			SUCTION DIFFUSER
			FLEXIBLE CONNECTOR - PIPING
			DRAIN VALVE WITH HOSE CONNECTION, CAP AND CHAIN
			WATER FLOW SENSOR
			WATER TEMPERATURE SENSOR
			STATIC PRESSURE SENSOR
			HUMIDISTAT
			TEMPERATURE SENSOR
			CARBON DIOXIDE SENSOR
			CARBON MONOXIDE SENSOR
			NITROGEN DIOXIDE SENSOR
			GAS SENSOR
			PNEUMATIC/ELECTRIC THERMOSTAT
			THERMOSTAT/SENSOR WITH GUARD
			DUCT SMOKE DETECTOR
			REGISTER, GRILLE OR DIFFUSER TAG
			SUPPLY DIFFUSER, REGISTER OR GRILLE
			RETURN REGISTER
			EXHAUST GRILLE



1 HORIZONTAL UNIT HEATER PIPING DETAIL - HOT WATER
NOT TO SCALE



2 RELIEF / EXHAUST OUTLET DETAIL
NOT TO SCALE

UNIT HEATER SCHEDULE - HOT WATER																		
UNIT NO.	LOCATION	TYPE	CAPACITY (MBH)	AIR SIDE		WATER SIDE				FAN MOTOR				MOUNTING HEIGHT (FT.-IN.)	MANUFACTURER & MODEL No.	REMARKS		
				AIR FLOW (CFM)	ENT. AIR TEMP (DEG. F)	LVG. AIR TEMP (DEG. F)	FLOW RATE (GPM)	WATER P.D. (FT. HD)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	FLUID	RPM	HP				VOLTS	PHASE
UH-MB-A1 THRU A2	VARIOUS	HORIZONTAL	34.4	900	60	95	3.7	0.1	180	160	40% P.G.	1000	1/20	115	1	SEE PLANS	TRANE UHS-60	1,2
UH-MB-B1	STORAGE 104	HORIZONTAL	55.0	1400	60	96	6.0	0.2	180	160	40% P.G.	1000	1/12	115	1	SEE PLANS	TRANE UHS-96	1,2
UH-MB-C1 THRU C5	VARIOUS	HORIZONTAL	75.9	2000	60	95	7.5	0.3	180	160	40% P.G.	1140	1/3	115	1	SEE PLANS	TRANE UHS-132	1,2

REMARKS:
1. SPECIFIED HEATING AND AIR FLOW CHARACTERISTICS ARE BASED UPON HIGH OUTPUT.
2. PROVIDE UNIT WITH FIELD INSTALLED ACCESSORIES: MANUAL STARTER, DISCONNECT SWITCH.

GRAVITY VENTILATOR SCHEDULE											
UNIT NO.	LOCATION	SERVICE	TYPE	THROAT AREA (Sq. Ft.)	HOOD SIZE (In.)	HEIGHT (In.)	AIR FLOW (CFM)	THROAT VELOCITY (FPM)	MAX P.D. (In. WC)	MANUFACTURER & MODEL NO.	REMARKS
RH-MB-A1 THRU A2	ROOF	RELIEF	HOODED	2.3	39x32	28	-	-	-	GREENHECK FGR-18x18	

POINT LIST																						
			START/STOP					STATUS					SPACE TEMP									
			MOTORIZED DAMPER					ALARM														
			1	2	3	4	5	1	2	3	4	5	1	2	3	4	5					
EQUIPMENT	QUANTITY	DESCRIPTION	DIGITAL OUTPUTS					DIGITAL INPUTS					ANALOG INPUTS									
UH-MB-A/B/C	8	GLYCOL HOT WATER UNIT HEATER	1					1	1					1								
-	SEE PLANS	MOTORIZED DAMPER	1																			
			1	2	3	4	5	1	2	3	4	5	1	2	3	4	5					

NOTES:
1. REFER TO SPECIFICATION 230923 - BUILDING MANAGEMENT SYSTEM -- DDC LOGIC, FOR SEQUENCES OF OPERATION.

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
MAINTENANCE BUILDING

27 FIFTH AVENUE
TIOGA CENTER, NY 13845

KING + KING PROJ. NO.: 26-44-9206

SED PROJECT NUMBERS:
□ A: K-12 MAIN BUILDING: NO WORK
□ B: PRE-K BUILDING: NO WORK
■ C: MAINTENANCE BLDG: 60-69-03-04-3-005-001
□ D: NEW BUS GARAGE: 60-09-03-04-5-026-006

ME
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400 WEST 101 ST. 936.986.0200
Project #202619

STATE OF NEW YORK
JAMES E. O'BRIEN
104125
REGISTERED PROFESSIONAL ENGINEER

Reg. Exp: 04/30/2029
Cert. of Auth: 0018443

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06/01/2026 ISSUED FOR BID

MARK	DATE	DESCRIPTION

DRAWING DATE: 04/06/2026
DRAWN BY: KEPIAMR

SCALE: As Indicated
DRAWING TITLE:
SYMBOLS LIST, DETAILS AND SCHEDULES

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
MAINTENANCE BUILDING

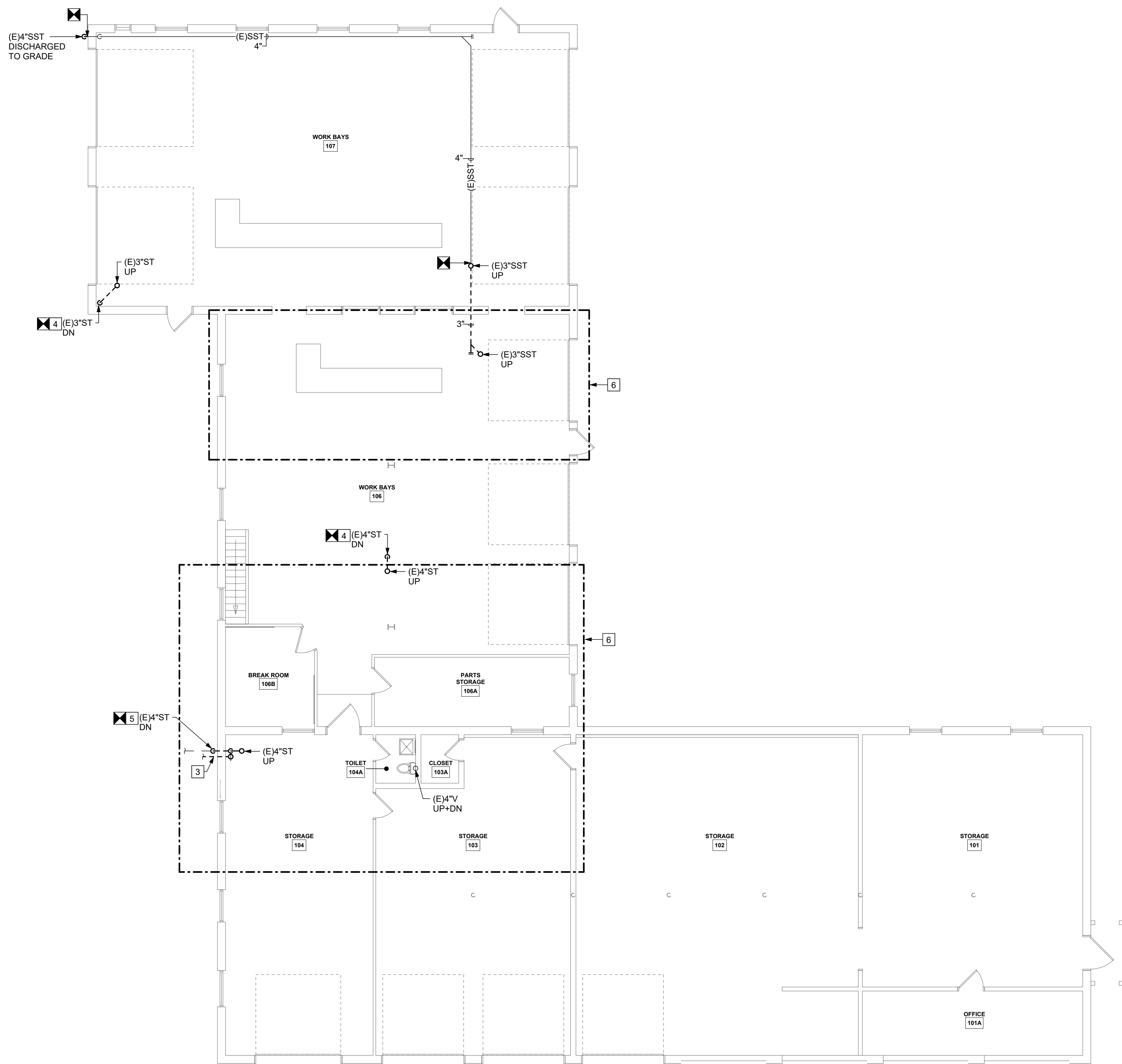
27 FIFTH AVENUE
TIOGA CENTER, NY 13845

GENERAL NOTES:

A. ROD AND HYDROFLUSH ALL EXISTING STORM DRAINS AND ASSOCIATED UNDERGROUND PIPING. PROVIDE THE SERVICES OF A CAMERA WITH GPS AND CONFIRM EXISTING ROUTINGS OF UNDERFLOOR PIPING PRIOR TO SAWCUTTING AND RECONNECTION. RECORD EXISTING LOCATIONS ON AS-BUILT DRAWINGS.

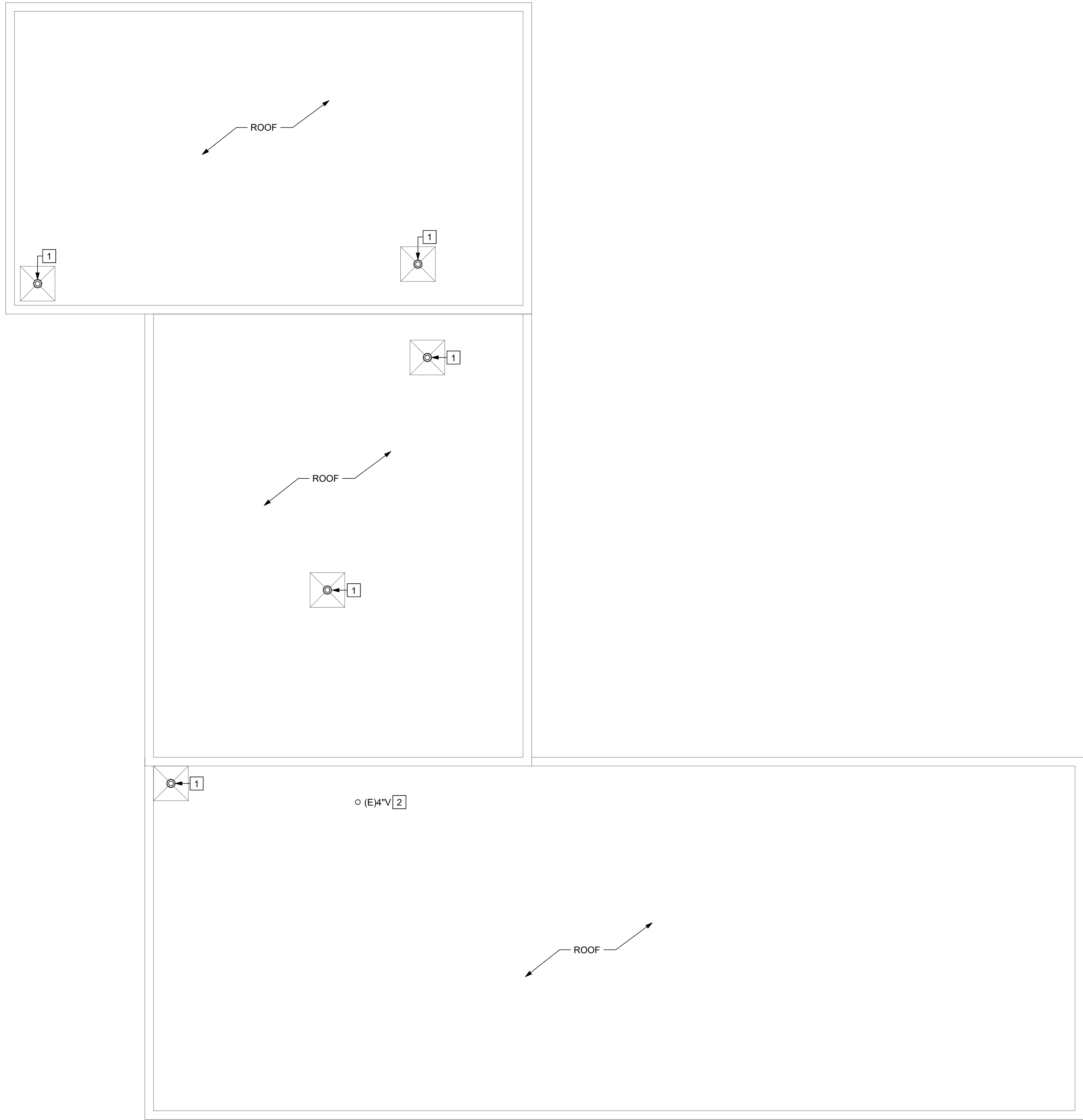
DEMOLITION NOTES:

1. DISCONNECT AND REMOVE ROOF DRAIN AND ASSOCIATED PIPING BACK TO POINTS INDICATED IN THE FLOOR BELOW.
2. PREPARE EXISTING VENT THROUGH ROOF FOR VENT EXTENSION TO ACCOMMODATE NEW ROOF.
3. DISCONNECT AND REMOVE PORTION OF ABANDONED UNDERGROUND PIPING STUBBING INTO THE BUILDING AND CAP ON SITE.
4. DISCONNECT STORM PIPING AT FLOOR AND PREPARE PIPING FOR RECONNECTION.
5. DISCONNECT AND REMOVE STORM PIPING BACK TO UNDERGROUND PIPING AND PREPARE PIPING FOR RECONNECTION.
6. REMOVALS ASSOCIATED WITH STRUCTURAL REINFORCING - THE CONTRACTOR'S CONTINGENCY ALLOWANCE WILL BE USED TO ADDRESS TEMPORARY REMOVALS, REINSTALLATION OR RELOCATION OF EQUIPMENT, DEVICES OR PIPING TO ACCOMMODATE THE STRUCTURAL REINFORCING REQUIRED FOR REPLACEMENT OF THE ROOF. THIS WORK WILL BE COMPLETED ON A TIME-AND-MATERIALS BASIS AND CONFIRMED BY THE CONSTRUCTION MANAGER.



PROJECT NORTH
1
1/8" = 1'-0"
0' 4' 8' 16'

FIRST FLOOR DEMOLITION PLAN

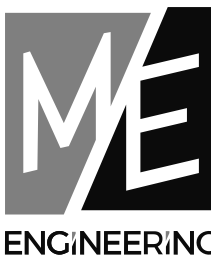


PROJECT NORTH
2
1/8" = 1'-0"
0' 4' 8' 16'

ROOF DEMOLITION PLAN

KING + KING PROJ. NO.: 28-44-9206

SED PROJECT NUMBERS:
A: K-12 MAIN BUILDING: NO WORK
B: PRE-K BUILDING: NO WORK
C: MAINTENANCE BLDG: 60-09-03-04-5-005-001
D: NEW BUS GARAGE: 60-09-03-04-5-026-006



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ROCHESTER, NY 14607 Project #202019 www.meengineering.com



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MARK	DATE	DESCRIPTION
06/01/2026	ISSUED FOR BID	

DRAWING DATE: 04/06/2026
DRAWN BY: EKL

SCALE: As Indicated
DRAWING TITLE:

DEMOLITION PLANS -
FIRST FLOOR AND ROOF

C P0.01

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
MAINTENANCE BUILDING

27 FIFTH AVENUE
TIOGA CENTER, NY 13845

GENERAL NOTES:

A. ROD AND HYDROFLUSH ALL NEW STORM DRAINS AND ASSOCIATED UNDERGROUND PIPING. RECORD ALL LOCATIONS ON AS-BUILT DRAWINGS.

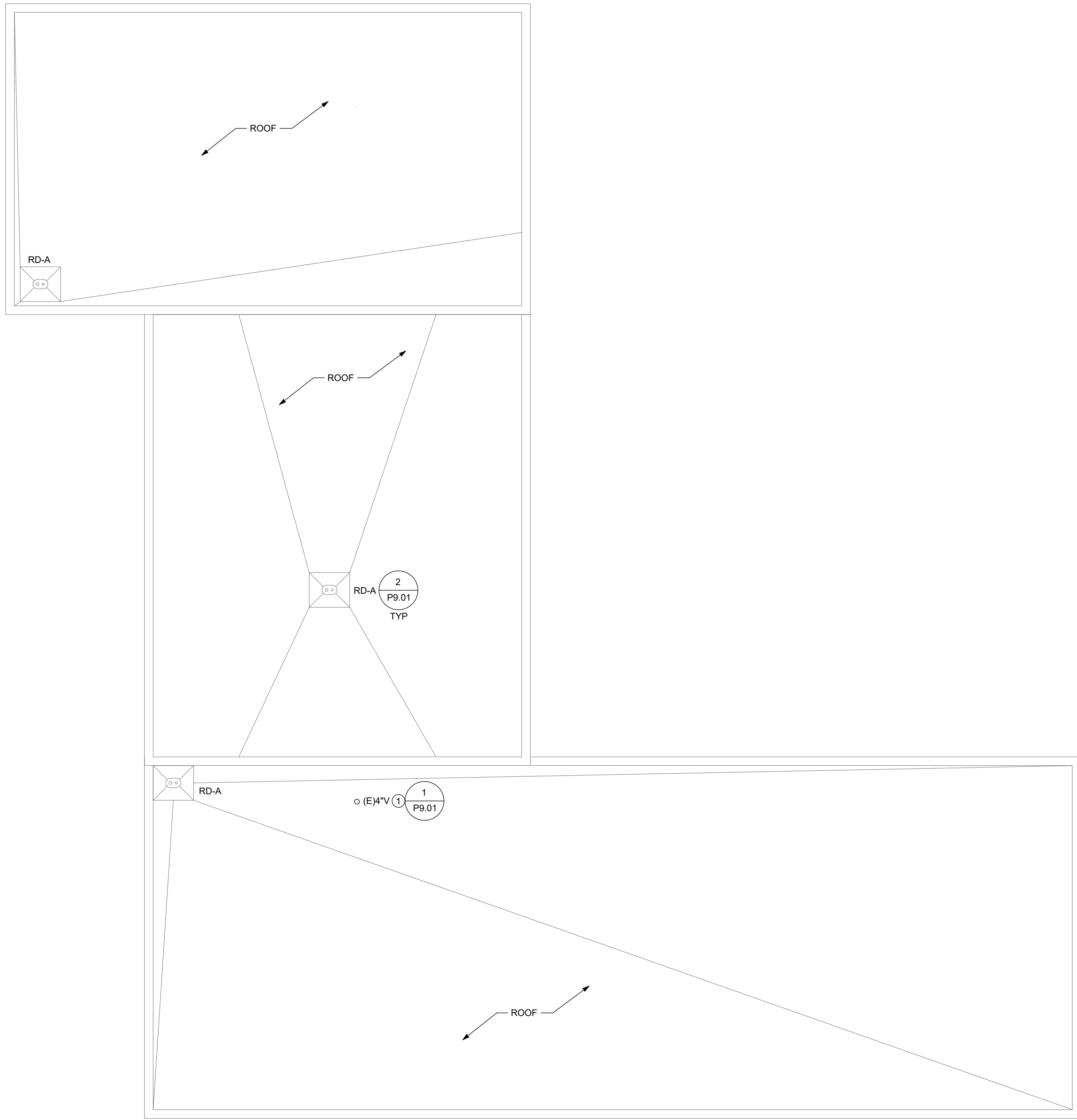
DRAWING NOTES:

1. PROVIDE VENT EXTENSION AND EXTEND EXISTING VENT TO MINIMUM 18" ABOVE NEW ROOF.
2. 3" ST UP.
3. 4" ST UP.
4. 4" ST DN.
5. CONNECT NEW 4" ST PIPING TO EXISTING UNDERGROUND SITE PIPING LEFT FOR RECONNECTION. TRANSITION TO SITE PIPE SIZE AND MATERIAL.
6. 3" SST UP.
7. 4" SST UP.
8. REMOVALS ASSOCIATED WITH STRUCTURAL REINFORCING - THE CONTRACTOR'S CONTINGENCY ALLOWANCE WILL BE USED TO ADDRESS TEMPORARY REMOVALS, REINSTALLATION OR RELOCATION OF EQUIPMENT, DEVICES OR PIPING TO ACCOMMODATE THE STRUCTURAL REINFORCING REQUIRED FOR REPLACEMENT OF THE ROOF. THIS WORK WILL BE COMPLETED ON A TIME-AND-MATERIALS BASIS AND CONFIRMED BY THE CONSTRUCTION MANAGER.



PROJECT NORTH
1
1/8" = 1'-0"

0' 4' 8' 16'

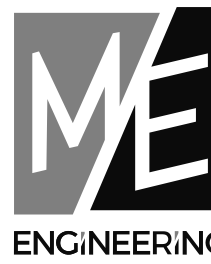


PROJECT NORTH
2
1/8" = 1'-0"

0' 4' 8' 16'

KING + KING PROJ. NO.: 28-44-9208

SED PROJECT NUMBERS:
A. K-12 MAIN BUILDING: NO WORK
B. PRE-K BUILDING: NO WORK
C. MAINTENANCE BLDG: 60-99-03-04-3-005-001
D. NEW BUS GARAGE: 60-99-03-04-5-026-006



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06/01/2028 ISSUED FOR BID

MARK DATE DESCRIPTION

100% CONSTRUCTION DOCUMENTS

DRAWING DATE: 04/06/2028

DRAWN BY: EKL

SCALE: As Indicated

DRAWING TITLE:

CONSTRUCTION PLANS -
FIRST FLOOR AND ROOF

C P1.01

GENERAL NOTES:

- A. THESE NOTES ARE APPLICABLE TO THE FULL SET OF CONTRACT DOCUMENTS.
- B. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE. THE LOCATIONS SHOWN MUST BE CONSIDERED APPROXIMATE. OTHER SUCH WORK MAY EXIST. HOWEVER, LOCATION AND SIZE ARE NOT PRESENTLY KNOWN. IT IS STRONGLY ENCOURAGED TO VISIT SITE PRIOR TO BID TO REVIEW EXISTING CONDITIONS AND CONFIRM SCOPE OF WORK.
- C. WHEN EXISTING CONSTRUCTION IS DAMAGED DURING WORK BY THIS CONTRACTOR, REPAIR AND/OR REPLACE WITH SIMILAR MATERIALS AS MUCH AS POSSIBLE, SUBJECT TO ARCHITECTS APPROVAL.
- D. DISPOSE OF ALL DEMOLITION AND/OR OTHER WASTE MATERIALS CAUSED BY WORK OF THIS CONTRACTOR. LEGALLY DISPOSE ALL MATERIALS TO A LOCATION OFF SITE.
- E. COORDINATE AND SCHEDULE WORK AND SHUTDOWNS WITH THE OWNER AND OTHER TRADES PRIOR TO DEMOLITION.
- F. ALL EXISTING PIPING TO REMAIN SHALL BE RECONNECTED TO ACTIVE SERVICE PIPING.
- G. ALL PIPING TO BE REMOVED, SHALL BE REMOVED BACK TO ACTIVE PIPING AND CAPPED. VALVE AND CAP ALL WATER PIPING. REMOVE ALL INACTIVE PIPING UNLESS NOTED.
- H. ALL PIPING TO BE REMOVED AND LOCATED WITHIN A WALL TO REMAIN MAY BE ABANDONED IN PLACE UNLESS NOTED. REMOVE PIPING BACK TO BEHIND THE FINISHED WALL SURFACE AND CAP.
- I. PATCH HOLES IN EXISTING CONSTRUCTION LEFT BY THE REMOVAL OF PIPING OR EQUIPMENT WITH MATERIALS TO MATCH EXISTING CONSTRUCTION. MAINTAIN FIRE/SMOKE RATING.
- J. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO: PIPING, VALVES, FIXTURES, EQUIPMENT, HANGERS, SUPPORTS, AND INSULATION EXCEPT ASBESTOS.
- K. REMOVE EXISTING CONSTRUCTION IN THE WAY OF NEW WORK. PROTECT BUILDING AND FURNISHINGS FROM DAMAGE.
- L. WHERE NEW WORK IS TO BE INSTALLED ABOVE AN EXISTING CEILING, PROVIDE FOR THE REMOVAL OF THE CEILING, UPON COMPLETION OF WORK, REPAIR ALL DAMAGED CEILING SURFACES, REPLACE ALL DAMAGED TILES.
- M. SLEEVE AND SEAL ALL WALL AND FLOOR PENETRATIONS. PIPES AND EQUIPMENT PENETRATING RATED WALLS AND FLOORS SHALL BE FIRE STOPPED TO ACHIEVE THE MINIMUM REQUIRED RATING FOR THE BARRIER PENETRATED. REFER TO CONTRACT DOCUMENTS FOR RATED WALLS AND FLOOR LOCATIONS. MATERIALS AND ASSEMBLIES SHALL BE LISTED BY UL OR ANOTHER NATIONALLY RECOGNIZED TESTING LABORATORY. PENETRATIONS THROUGH NON RATED WALLS SHALL BE SLEEVED AND SEALED WITH A NON HARDENING SEALANT ON BOTH SIDES OF WALL PENETRATION TO REDUCE NOISE TRANSMISSION.
- N. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT. ADVISE OTHER TRADES OF THE REQUIRED SERVICE CLEARANCES.
- O. PROVIDE FOR THE DRAINING AND REFILLING OF PIPING SYSTEMS, INCLUDING AIR REMOVAL, RESETTING OF FLUSH VALVES, FLUSHING SYSTEMS OF DIRT AND SCALE CAUSED BY SHUTDOWNS AND STARTUPS.
- P. REFER TO EQUIPMENT/FIXTURE SCHEDULE FOR FINAL CONNECTION SIZES.
- Q. PROVIDE CLEANOUTS AT THE BASE OF ALL STORM, SANITARY AND WASTE STACKS.
- R. PITCH 3" AND LARGER SANITARY AND WASTE PIPING AT 1/8" PER FOOT UNLESS OTHERWISE NOTED. PITCH 2 1/2" AND SMALLER SANITARY AND WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED. PITCH ALL GREASE WASTE PIPING AT 1/4" PER FOOT. PITCH ALL CONDENSATE PIPING AT 1/8" PER FOOT. PITCH ALL STORM PIPING AT 1/8" PER FOOT UNLESS OTHERWISE NOTED.
- S. COORDINATE LOCATION AND ELEVATION OF STORM AND SANITARY LATERALS AND WATER SERVICE WITH THE SITE CONTRACTOR. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO THE CONTRACTORS FAILURE TO COORDINATE TERMINATION POINTS. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE FINAL CONNECTION TO THE SITE UTILITIES.
- T. MINIMUM SIZE OF WASTE PIPING BELOW SLAB SHALL BE 3" EXCEPT PIPING SERVING FLOOR DRAINS SHALL BE 4". MINIMUM SIZE OF VENT PIPING BELOW SLAB SHALL BE 2".

CUTTING AND PATCHING NOTES:

- A. UNLESS OTHERWISE NOTED, THIS CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED FOR PLUMBING DEMOLITION AND NEW WORK. PATCHING SHALL MATCH EXISTING WALL/FLOOR MATERIALS AND COLORS. ALL EXTERIOR PATCHING SHALL MATCH EXISTING INCLUDING ASPHALT, CONCRETE AND GRASS AREAS.
- B. WHERE WALLS, FLOORS OR EXTERIOR SITEWORK ARE SCHEDULED FOR NEW SURFACES, THIS CONTRACTOR SHALL PROVIDE SMOOTH PATCHING/BACKFILL READY FOR FINAL SURFACE APPLICATION BY G.C. COORDINATE WITH G.C. OR SITE CONTRACTOR FOR LOCATIONS AND MATERIALS.
- C. ALL CUTTING AND PATCHING OF THE ROOF SYSTEM SHALL BE DONE AS TO MAINTAIN EXISTING ROOF WARRANTY.
- D. ALL CUTTING AND PATCHING SHALL BE PERFORMED BY WORKERS SKILLED IN MATERIALS BEING CUT AND PATCHED.
- E. THE UNDERFLOOR PIPING CAN BE LEFT ABANDONED IN PLACE AND CAP THE ENDS WITHIN 10 FT OF ACTIVE MAINS WHERE THERE ARE NO CONFLICTS WITH NEW PIPING OR CONSTRUCTION. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVALS AS REQUIRED FOR ANY MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL OR CONSTRUCTION CONFLICTS. CHANGE ORDERS WILL NOT BE PERMITTED DUE TO CONTRACTORS UNFORESEEN REQUIRED REMOVALS. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE UP TO THE ENTIRE UNDERFLOOR SYSTEM IF REQUIRED TO COMPLETE THE PROJECT.

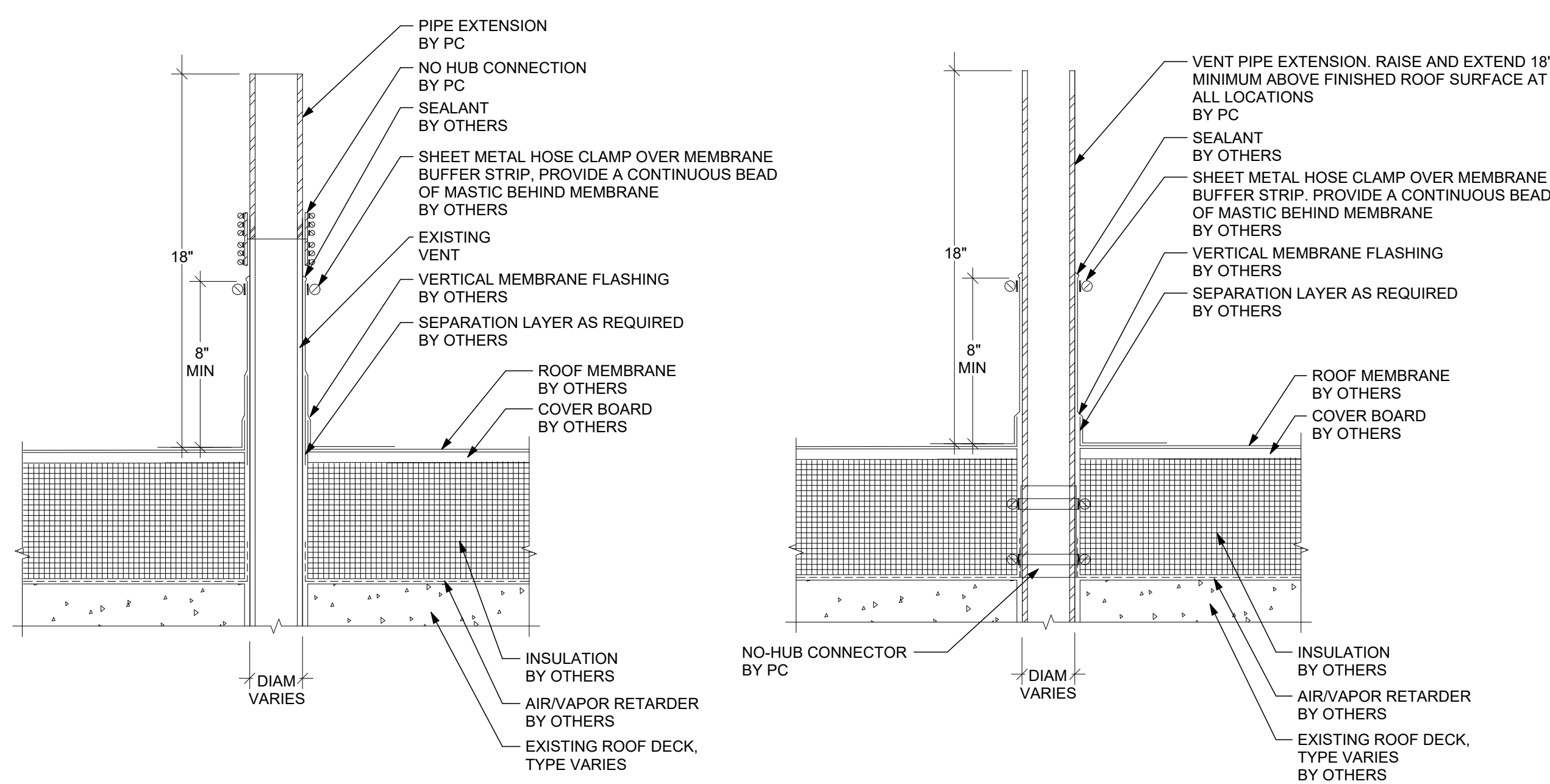
ASBESTOS ABATEMENT NOTES:

- A. REFER TO ABATEMENT DRAWINGS (HM SERIES) FOR DETAILED INFORMATION REGARDING EXTENT OF ASBESTOS REMOVALS, EXTENT OF WORK AND QUANTITIES.
- B. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSULATION ON ALL NEW PIPING THAT IS PART OF HIS CONTRACT.
- C. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE REINSULATION OF ALL EXISTING PLUMBING PIPING/FITTINGS THAT ARE SCHEDULED FOR ABATEMENT UNLESS OTHERWISE NOTED.
- D. WHERE ABATEMENT OF PIPING/FITTINGS IS SCHEDULED, THE ABATEMENT CONTRACTOR SHALL REMOVE CEILING TILES WITH REPLACEMENT/REINSTALLATION BY THE GENERAL CONTRACTOR. OTHERWISE THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR CEILING TILE REMOVAL/REINSTALLATION AS REQUIRED TO COMPLETE WORK ASSOCIATED WITH HIS CONTRACT.
- E. THE PLUMBING CONTRACTOR SHALL COORDINATE HIS SEQUENCE OF WORK WITH THE ABATEMENT CONTRACTOR AND PROVIDE ALL DISCONNECTS, REMOVALS AND SHUTDOWNS AS REQUIRED FOR ABATEMENT WORK.

LEAD CONTAINING MATERIALS NOTES:

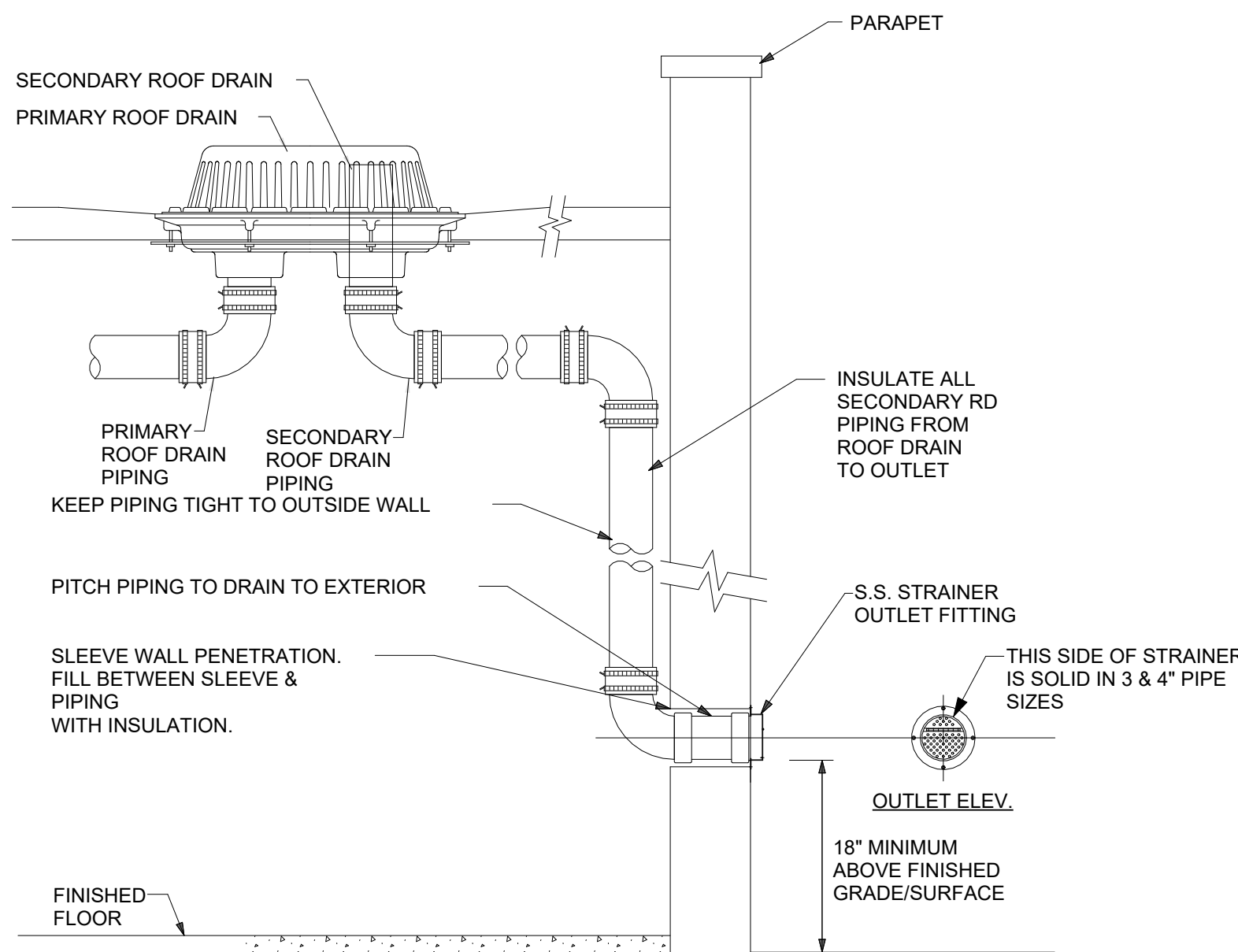
- A. REFER TO ABATEMENT SPECIFICATIONS FOR DETAILED INFORMATION REGARDING LOCATIONS OF LEAD CONTAINING MATERIALS.
- B. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR SAFELY WORKING WITH LEAD CONTAINING MATERIALS AS REQUIRED TO COMPLETE WORK ASSOCIATED WITH HIS CONTRACT. REFER TO THE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

PLUMBING SYMBOL LIST	
SYMBOL	DESCRIPTION
---	WORK TO BE REMOVED
⌘	POINT OF CONNECTION
⌘	POINT OF DISCONNECTION
NTS	NOT TO SCALE
(E)	EXISTING
(ETR)	EXISTING TO REMAIN
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
VTR	VENT THRU ROOF
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
(E)	EXISTING PIPING
---	NEW PIPING LOCATED ABOVE FLOOR/SLAB
---	NEW PIPING LOCATED BELOW FLOOR/SLAB
---	COLD WATER PIPING (CW)
---	HOT WATER PIPING (HW)
---	HOT WATER RECIRCULATING PIPING (HWR)
140 ---	140° HOT WATER PIPING (HW)
140 ---	140° HOT WATER RECIRCULATING PIPING (HWR)
TW	TEMPERED HOT WATER PIPING (TW)
TWR	TEMPERED HOT WATER RETURN PIPING (TWR)
W	WATER SERVICE - EXTERIOR
SAN	SANITARY SEWER PIPING
GW	GREASE WASTE PIPING (GW)
AW	ACID WASTE PIPING (AW)
IW	INDIRECT WASTE PIPING (IW)
V	VENT PIPING (V)
AV	ACID VENT PIPING (AV)
ST	STORM WATER SEWER PIPING (ST)
OST	OVERFLOW STORM WATER SEWER PIPING (OST)
G	NATURAL GAS PIPING (G)
LPG	LP GAS PIPING (LPG)
CA	COMPRESSED AIR PIPING (CA)
FOS	FUEL OIL SUCTION PIPING (FOS)
FOR	FUEL OIL RETURN PIPING (FOR)
FOV	FUEL OIL VENT PIPING (FOV)
→	ELBOW DOWN
↗	45° OFFSET
↘	ELBOW UP
⌘	BOTTOMTEE CONNECTION
⌘	TOP TEE CONNECTION
⌘	3" TRAP
⌘	Pipe Continuation
⌘	CAP OR PLUG
⌘	DECK PLATE CLEANOUT (DPCO)
⌘	WALL PLATE CLEANOUT (WPCO)
⌘	CLEANOUT (CO)
⌘	FLOOR DRAIN (FD) / FLOOR SINK (FS)
⌘	ROOF DRAIN
⌘	WALL HYDRANT (WH) / HOSE BIBB (HB)
⌘	STRAINER
⌘	WATER METER
⌘	CATCH BASIN
⌘	MANHOLE
⌘	SHUT OFF VALVE
⌘	BALANCING VALVE
⌘	CHECK VALVE
⌘	PRESSURE REDUCING VALVE
⌘	RELIEF VALVE
⌘	SHUT-OFF SWITCH
⌘	PIPE ANCHOR
⌘	PIPE GUIDE
⌘	UNION
⌘	BACKFLOW PREVENTER (BFP)
⌘	SHOWER HEAD
⌘	SHOCK ABSORBER (SA)
⌘	RECIRCULATION PUMP
⌘	THERMOMETER
⌘	PRESSURE GAUGE
⌘	TRAP PRIMER (TP)
⌘	DRAWING KEYNOTE
⌘	DEMOLITION/REMOVAL KEYNOTE
⌘	KITCHEN EQUIPMENT CALLOUT
⌘	PIPE RISER CALLOUT



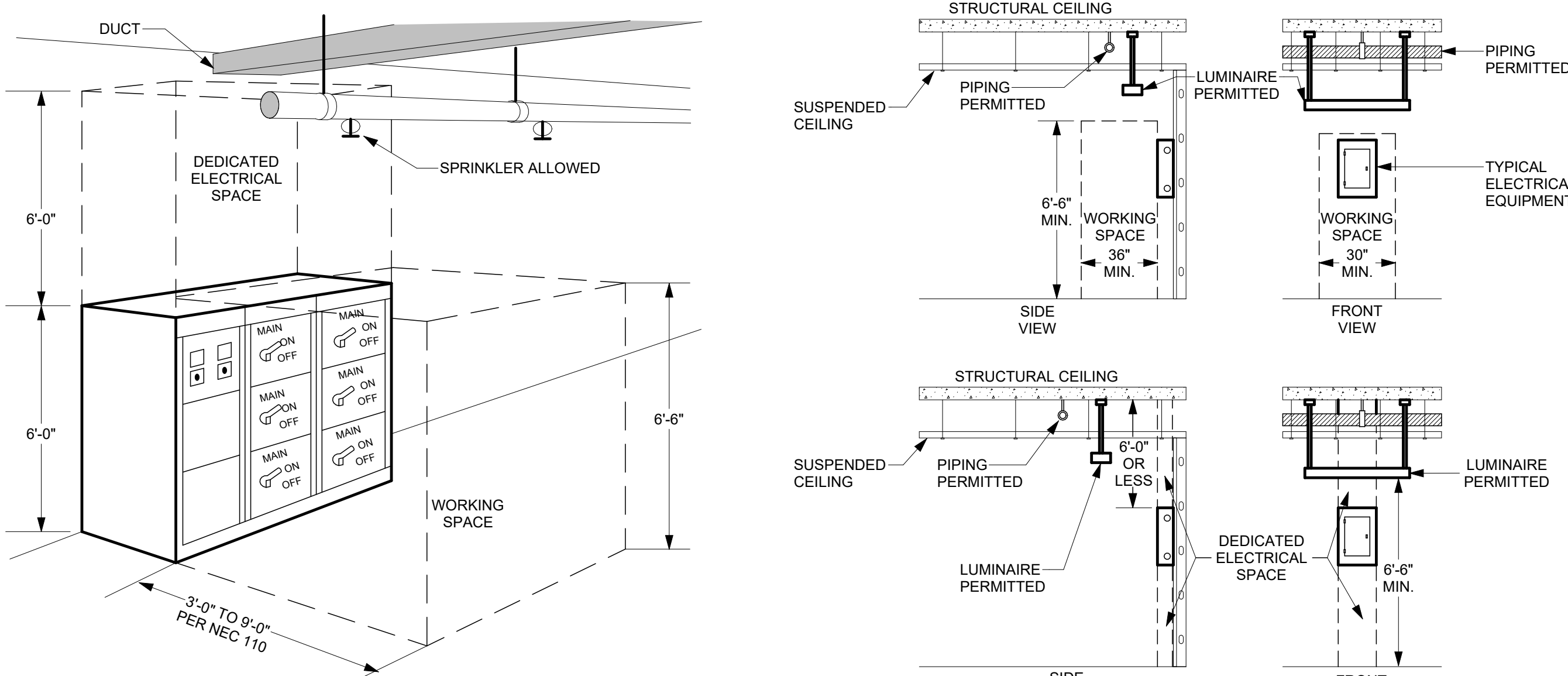
DETAIL NOTES:

- A. ALL ROOFING AND FLASHING TO BE COMPLETED BY OTHERS. SHOWN FOR REFERENCE ONLY. PC IS RESPONSIBLE FOR EXTENSION OF VENT PIPING INCLUDING NO HUB CONNECTION, SOLDERED COUPLING, PIPE EXTENSION AND VANDAL PROOF CAP.
- B. EXISTING VENT PIPING TERMINATION HEIGHTS VARY THROUGHOUT ROOFING SCOPE. COORDINATE IN FIELD WITH ROOFING CONTRACTOR TO DETERMINE WHERE NO HUB CONNECTION WILL BE BELOW OR ABOVE ROOF FLASHING MEMBRANE.
- C. EXISTING VENT PIPING MATERIAL VARIES THROUGHOUT ROOFING SCOPE. ALL PIPING EXTENSIONS SHALL BE OF SIMILAR METALS.
- D. COPPER VENT EXTENSIONS SHALL UTILIZE SOLDERED COUPLING TO ENSURE RIGID EXTENSION.
- E. CAST IRON VENT EXTENSIONS SHALL UTILIZE HEAVY DUTY RIGID NO HUB COUPLING.
- F. GALVANIZED VENT EXTENSIONS SHALL UTILIZE GALVANIZED VENT EXTENSION WITH VANDAL PROOF CAP.



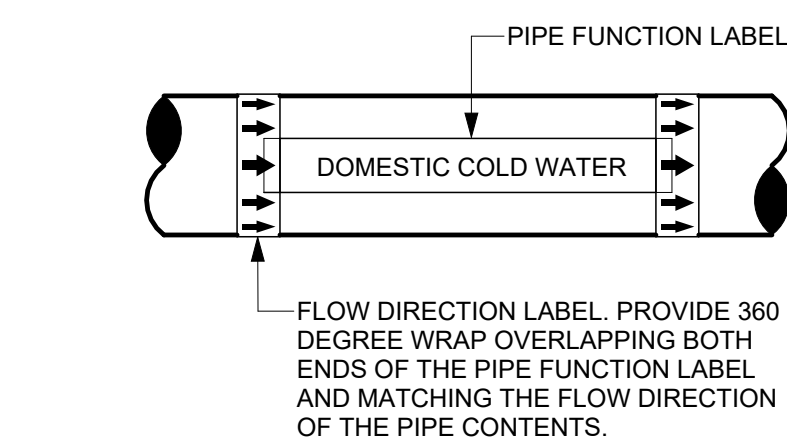
DETAIL NOTES:

- A. OUTLET DESIGN BASIS: JAY R. SMITH #1775 OR ZURN #2199-DC BOTH W/ BIRD SCREEN OPTION
- B. CONFIRM FINAL LOCATION AND ELEVATION WITH ARCHITECT BEFORE STARTING INSTALLATION OF OUTLETS.
- C. INSULATE ALL PRIMARY & SECONDARY ROOF DRAIN PIPING FROM ROOF DRAIN TO OUTLET



DETAIL NOTES:

- A. ELECTRICAL EQUIPMENT INCLUDES PANELS, TRANSFORMERS, DISCONNECTS, STARTERS, MOTOR CONTROL CENTERS, SWITCHGEAR, ADJUSTABLE SPEED DRIVES, AND FUSED SWITCHES (THIS ALSO APPLIES TO ELECTRICAL GEAR MOUNTED DIRECTLY ON MECHANICAL EQUIPMENT).
- B. DEDICATED ELECTRICAL SPACE IS DEFINED BY NEC 110.
- C. NO PIPING OR DUCTWORK MAY BE INSTALLED IN DEDICATED ELECTRICAL SPACE OR WORKING SPACE.

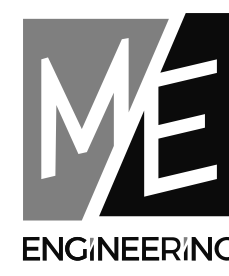


DETAIL NOTES:

- A. PROVIDE A PIPE LABEL FOR EACH PIPE FUNCTION.
- B. PROVIDE AT LEAST ONE LABEL ON EACH PIPE FOR EVERY ROOM THE PIPE PASSES THROUGH.
- C. PROVIDE LABELS IN LARGE SPACES ON MAXIMUM 20' CENTERS FOR EVERY PIPE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- D. LABELS TO BE LOCATED IN AN EASILY VISIBLE LOCATION AS THEY WOULD NORMALLY BE SEEN. IE. ON THE BOTTOM HALF OF PIPES IN THE AIR AND ON THE TOP HALF OR SIDES OF PIPES MOUNTED LOW.
- E. LABELS SHALL BE, COLOR CODED, PRE-PRINTED, SELF ADHESIVE VINYL.
- F. SEE SPECIFICATION FOR OTHER REQUIREMENTS AND LIST OF PIPE FUNCTIONS.

KING + KING PROJ. NO.: 26-44-9296

SED PROJECT NUMBERS:
A: K-12 MAIN BUILDING. NO WORK
B: PRE-K BUILDING. NO WORK
C: MAINTENANCE BUILD. 60-03-04-5-005-001
D: NEW BUS GARAGE. 60-03-04-5-026-006

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SCHEDULES, DETAILS,
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SYMBOLS LIST

C P9.01

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
MAINTENANCE BUILDING

27 FIFTH AVENUE
TIOGA CENTER, NY 13845

KING + KING PROJ. NO.: 28-44-9208

SED PROJECT NUMBERS:

☐ A: K-12 MAIN BUILDING: NO WORK

☐ B: PRE-K BUILDING: NO WORK

☒ C: MAINTENANCE BLDG: 60-09-03-04.3-005-001

☐ D: NEW BUS GARAGE: 60-09-03-04.5-026-006

ME

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PROFESSIONAL ENGINEER

Reg. Exp: 04/30/2029

Cert. of Auth: 0018443

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DRAWING TITLE:

CONSTRUCTION PLANS -
FIRST FLOOR AND
SECOND FLOOR

C E1.01

DEMOLITION NOTES:

1 DISCONNECT AND REMOVE EXISTING FEEDER CONDUCTORS FROM MAINTENANCE BUILDING BACK TO MDP-P. REMOVE PORTION OF CONDUIT AS SHOWN. REMAINING CONDUIT SHALL BE REUSED. REFER TO ONE-LINE DIAGRAM ON DRAWING C E9.01 FOR ADDITIONAL INFORMATION.

DRAWING NOTES:

1 REPLACE EXISTING RECEPTACLE WITH GFI RECEPTACLE IN SAME LOCATION AND CONNECT TO EXISTING CIRCUITING. PROVIDE NEW COVERPLATE.

2 DISCONNECT EXISTING HVAC EQUIPMENT AND RECONNECT TO NEW EQUIPMENT IN SAME LOCATION. EXTEND EXISTING CIRCUITING AS REQUIRED.

3 COMBINE EXISTING LIGHTING CIRCUITS IN THIS PANEL TO CREATE 3-POLE SPACE FOR NEW 100A-3P BREAKER. EC SHALL MEASURE THE LOADS FOR EXISTING 20A LIGHTING CIRCUITS TO DETERMINE WHICH CIRCUITS SHALL BE COMBINED. RE-ARRANGE BREAKERS AND EXTEND EXISTING FEEDERS AS REQUIRED TO ACCOMMODATE.

4 PROVIDE PULL BOX AT EXISTING CONDUIT AND PROVIDE NEW CONDUIT BETWEEN PANEL H-MS B AND PULL BOX. PROVIDE FEEDER CONDUCTORS FROM PANEL H-MS B TO MAINTENANCE BUILDING. REFER TO ONE-LINE DIAGRAM ON DRAWING C E9.01 FOR ADDITIONAL INFORMATION.

5 PROVIDE 200A FUSES IN EXISTING 300A DISCONNECT SWITCH.

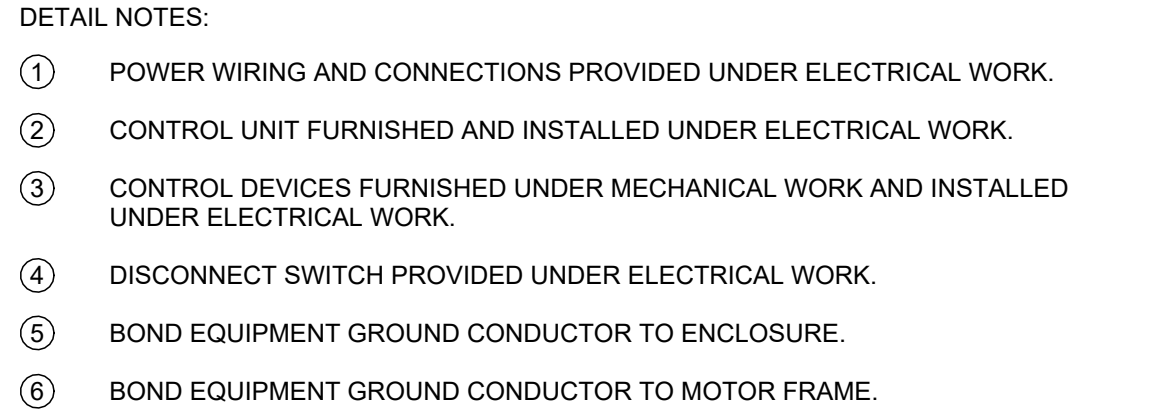
6 PROVIDE 100A FUSES IN EXISTING 100A DISCONNECT SWITCH.

7 REMOVALS ASSOCIATED WITH STRUCTURAL REINFORCING - THE CONTRACTOR'S CONTINGENCY ALLOWANCE WILL BE USED TO ADDRESS TEMPORARY REMOVALS, REINSTALLATION OR RELOCATION OF EQUIPMENT, DEVICES, OR CONDUITS TO ACCOMMODATE THE STRUCTURAL REINFORCING REQUIRED FOR REPLACEMENT OF THE ROOF. THIS WORK WILL BE COMPLETED ON A TIME-AND-MATERIALS BASIS AND CONFIRMED BY THE CONSTRUCTION MANAGER.

K-12 MAIN BUILDING BASEMENT PLAN

SECOND FLOOR PLAN

FIRST FLOOR PLAN



1 NTS

REFERENCE NOTES:

1. PROVIDE CONCRETE PAD.



IDENT.	PHASE	NEUTRAL	GROUND	CONDUIT
A	3#2	1#2	1#6	1 1/2"
B	3#2		1#6	1 1/2"
C	3#3/0	1#3/0	1#6	2 1/2"

GENERAL NOTES

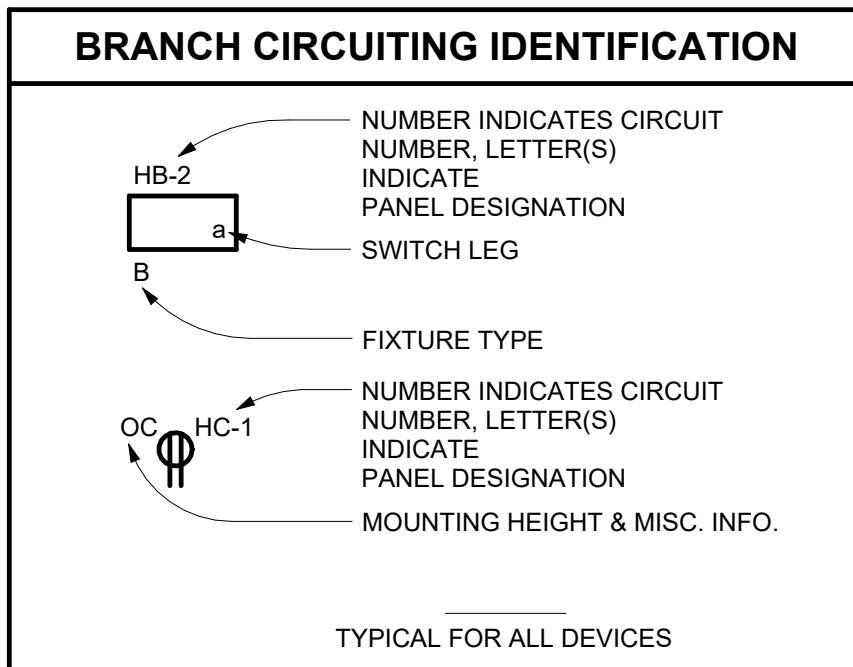
1. CONDUIT SIZES ARE BASED ON TYPE THINWALL, THWN-2 CONDUCTORS, USING THE WORST CASE CONDUIT, WHICH IS SCHEDULE 80, 5000KCM CONDUCTORS AND ABOVE HAVE AN INCREASED CONDUIT SIZE FOR EASE OF PULLING.

TIOGA CENTRAL SCHOOL DISTRICT
2025 CAPITAL IMPROVEMENT PROJECT - PHASE 1
MAINTENANCE BUILDING

27 FIFTH AVENUE
TIOGA CENTER, NY 13845

GENERAL NOTES (APPLY TO ALL DRAWINGS)

- A. ALL CONDUITS SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED CEILINGS AND CONCEALED IN WALLS UNLESS OTHERWISE INDICATED. ALL CONDUITS SHALL RUN PARALLEL AND PERPENDICULAR WITH BUILDING WALLS AND STRUCTURE. CONDUITS CONCEALED IN WALLS SHALL BE INSTALLED VERTICALLY. HORIZONTAL RUNS OF CONDUIT SHALL NOT BE PERMITTED.
- B. CONTRACTOR IS HEREBY CAUTIONED THAT ELECTRIC POWER CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT IS BASED ON AVAILABLE INFORMATION AT THE TIME OF PROJECT DESIGN. CONTRACTOR MUST VERIFY CHARACTERISTICS FOR EACH PIECE OF NEW EQUIPMENT PRIOR TO ORDERING ELECTRICAL EQUIPMENT. INDICATE VERIFICATION ON SUBMITTALS.
- C. LOCATIONS INDICATED FOR LIGHTING FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH BUILDING STEEL PIPING, DUCTWORK, CONDUIT, DIFFUSERS, GRILLES, SPEAKERS, SMOKE DETECTORS, ETC. FIELD COORDINATE EXACT LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATED.
- D. EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, EXIT SIGNS, ETC. SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE LOCATED 3'-0" MINIMUM FROM HVAC DIFFUSERS, REGISTERS, GRILLES, ETC. SMOKE DETECTORS AT SMOKE DOORS MUST BE INSTALLED WITHIN 5'-0" OF THE DOORS (REFER TO NFPA 72E).
- E. ALL NEW CIRCUITING SHALL BE CONCEALED (EXCEPT IN BOILER, ELECTRICAL AND MECHANICAL ROOMS).
- F. ALL FIRE ALARM VISUAL STROBE UNITS SHALL BE MOUNTED AT 6'-8" A.F.F. MAXIMUM PER A.D.A. REQUIREMENTS.
- G. CONTRACTOR SHALL REVIEW ALL TRADES CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT AND OTHER CONTRACTORS. REFER TO ARCHITECTURAL PLANS FOR CASEWORK LAYOUT, ELEVATIONS, ETC. COORDINATE WITH LOCATIONS OF ELECTRICAL DEVICES AND OUTLETS.
- H. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS.
- I. PROVIDE CONDUIT/WIRING (CIRCUITING) AND REQUIRED CONNECTIONS TO ALL DEVICES/EQUIPMENT. CONNECT TO CIRCUIT(S) AS INDICATED.
- J. CIRCUITING TO DEVICES/EQUIPMENT SHALL BE 2 #12 WITH 1 #12 GROUND (MULTIPLE HOMERUNS IN SAME CONDUIT MAY SHARE SAME EQUIPMENT GROUND) FOR EACH 20 AMPERE CIRCUIT UNLESS OTHERWISE NOTED. CIRCUITS FOR ISOLATED GROUND RECEPTACLES SHALL BE #12 WITH 1 #12 SEPARATE ISOLATED EQUIPMENT GROUND FOR EACH 20 AMPERE CIRCUIT. ALL CIRCUITS SHALL HAVE SEPARATE NEUTRALS (CIRCUITS SHALL NOT SHARE NEUTRALS).
- K. WHERE DEPTH OF UNDERGROUND CONDUIT(S) CAN NOT MEET DEPTH INDICATED DUE TO SHALLOW ROCK, CONTRACTOR SHALL PROVIDE GRS CONDUIT(S) AND/OR CONCRETE ENCASEMENT TO MEET NEC CODE REQUIREMENTS FOR MINIMUM COVERAGE.
- L. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR CONSTRUCTION DOCUMENTS WHEN AVAILABLE AND ARE NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.
- M. WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTORS WORK, CONTRACTOR SHALL REPAIR AND/OR REPLACE WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, SUBJECT TO ENGINEERS APPROVAL.
- N. COORDINATE ALL WORK WITH OTHER TRADES; REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATING LOCATIONS.
- O. PROVIDE ALL WORK IN ACCORDANCE WITH UTILITY REQUIREMENTS. PERFORM ALL SHUT-DOWN AND CUT-OVER WORK ON PREMIUM TIME. COORDINATE WITH OCCUPANT AND PAY ALL UTILITY AND OWNERS CUSTOMER CHARGES IF ANY.
- P. PROVIDE PRE-CONSTRUCTION TESTS FOR ALL SYSTEMS PRIOR TO STARTING WORK. COORDINATE WITH OWNER AND CENTRAL OFFICE OR MONITORING AGENCY REGARDING INTERRUPTIONS AND ALARMS.
- Q. DISCONNECT AND REMOVE EXISTING LUMINAIRES, EQUIPMENT, DEVICES, SYSTEMS, RACEWAYS, FEEDERS, BRANCH CIRCUITING, CABLING, ETC IN DEFINED AREAS OF REMOVALS UNLESS NOTED OTHERWISE. ALSO IN SPECIFIC LOCATIONS AS CALLED FOR, AND WHERE CONFLICTS FROM NEW CONSTRUCTION REQUIRE THE WORK. TAG ALL CIRCUITS THAT ARE TO BE REUSED. AREAS OF REMOVALS SHALL ALSO INCLUDE SELECTIVE REMOVALS FOR SELECTIVE WALLS AND/OR CEILINGS FOR MINOR ALTERATIONS. PROVIDE CUTTING, PATCHING, AND PAINTING TO MATCH SURROUNDING SURFACE UNLESS NOTED OTHERWISE.
- R. PROVIDE MATCHING BRANCH CIRCUITING AND FEEDERS TO RELOCATE EQUIPMENT, DEVICES, ETC., AND MAINTAIN FEED-THROUGH WIRING AND SYSTEMS TO REMAIN. PROVIDE CUTTING, PATCHING AND PAINTING TO MATCH SURROUNDING SURFACE UNLESS NOTED OTHERWISE.
- S. PROVIDE STORAGE, CLEANING AND TESTING OF EQUIPMENT AND SYSTEMS TO BE RELOCATED.
- T. SUBMIT LIST OF REMOVALS TO OWNER. TURN OVER SELECTED ITEMS TO OWNER; OBTAIN RECEIPT. LEGALLY DISPOSE OF REMAINDER OF REMOVALS.
- U. PROVIDE SEGREGATED EMERGENCY POWER BRANCH CIRCUITING FROM EACH EMERGENCY LUMINAIRE TO NEAREST UNLOADED EMERGENCY CIRCUIT. WHERE EMERGENCY BATTERY LUMINAIRES ARE USED, PROVIDE BRANCH CIRCUITING TO NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF SWITCHING CIRCUIT. WHERE EMERGENCY BATTERY INVERTER BALLASTS ARE USED, PROVIDE SENSING CONNECTION AHEAD OF SWITCHING CIRCUIT.
- V. PROVIDE PROPER SUPERVISED FIRE ALARM BRANCH CIRCUITING WITH PROPER COLOR CODES IN SEGREGATED RACEWAY. TEST UPON COMPLETION.
- W. PROVIDE SEGREGATED EMERGENCY POWER BRANCH CIRCUITING FROM EACH EXIT LUMINAIRE TO NEAREST UNLOADED EXIT LUMINAIRE CIRCUIT.
- X. PROVIDE OCCUPANCY SENSOR TYPES WITH COVERAGES THAT MATCH SPECIFIC ROOM OF INSTALLATION.
- Y. PROVIDE INDIVIDUAL CATV BRANCH CIRCUITING FROM EACH CATV OUTLET THROUGH ELECTRICAL CLOSET BACK TO CATV MAIN DISTRIBUTION FRAME.
- Z. PROVIDE INDIVIDUAL TELEPHONE / DATA RACEWAY FROM EACH TELEPHONE / DATA OUTLET TO ACCESSIBLE CEILING; FIRESAFE AT RATED PENETRATIONS.
- AA. TELECOMMUNICATION SYSTEMS: PROVIDE CABLING CALLED FOR FROM TMDF THROUGH LOCAL TIDF TO EACH TELEPHONE OUTLET AND TERMINATE WITH PROPER CONNECTORS. LOCATE OUTLETS AS FIELD DIRECTED BY OWNER DURING SUBMITTAL PROCESS; NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO LOCATION ADJUSTMENTS WITHIN ROOMS.
- BB. DATA SYSTEMS: PROVIDE CABLING CALLED FOR FROM DMDF THROUGH LOCAL DIDF TO EACH DATA OUTLET AND TERMINATE WITH PROPER CONNECTORS. LOCATE OUTLETS AS FIELD DIRECTED BY OWNER DURING SUBMITTAL PROCESS; NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO LOCATION ADJUSTMENTS WITHIN ROOMS.
- CC. RISER DIAGRAMS ARE DIAGRAMMATIC ONLY. WIRE AND DEVICE QUANTITIES, SIZES, TYPES SHALL BE AS CALLED FOR IN CONTRACT DOCUMENTS, MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODES.
- DD. MAINTAIN FIRE ALARM SYSTEM COVERAGE THROUGHOUT ENTIRE CONSTRUCTION PERIOD. PROVIDE TEMPORARY COMPONENTS TO MODIFY SYSTEM DURING CONSTRUCTION. ONLY ONE FLOOR AT A TIME SHALL BE DEACTIVATED DURING CONSTRUCTION. COVERAGE SHALL BE RESUMED AFTER WORKING HOURS.
- EE. ALL CONTRACTORS ARE TO REVIEW BUILDING AHERA AND LEAD PAINT REPORTS, AND ASSOCIATED SPECIFICATION SECTIONS BEFORE STARTING ANY WORK. CONTRACTORS SHALL COMPLY WITH ALL OSHA, EPA, ETC. REGULATIONS AND SHALL USE SAFE WORK PRACTICES, AS DELINEATED BY HUD GUIDELINES, REGARDING DISTURBANCE OF LEAD PAINT, DURING RENOVATIONS.



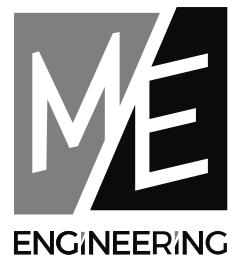
FIRE ALARM	
SYMBOL	DESCRIPTION
	MANUAL PULL STATION
	SMOKE DETECTOR
	COMBINATION SET TEMPERATURE AND RATE OF RISE HEAT DETECTOR
	FIXED TEMPERATURE HEAT DETECTOR, SUBSCRIPT INDICATES TYPE: 190 - 190 DEGREE F FIXED TEMPERATURE 195 - 195 DEGREE F FIXED TEMPERATURE XP - EXPLOSION PROOF, 135 DEGREE F FIXED TEMPERATURE WITH SEALED CONTACTS
	HEAT/SMOKE DETECTOR WITH A CO DETECTION/SOUNDER BASE
	STAND ALONE CARBON MONOXIDE DETECTOR
	DUCT SMOKE DETECTOR
	DETECTOR REMOTE TEST STATION AND INDICATOR
	NOTIFICATION APPLIANCE, AUDIBLE AND VISUAL. # INDICATES STROBE CANDELA IF OTHER THAN 75. W INDICATED SPEAKER TAP WATTAGE IF OTHER THAN 1W.
	NOTIFICATION APPLIANCE, VISUAL. # INDICATES STROBE CANDELA IF OTHER THAN 75
	CARBON MONOXIDE NOTIFICATION APPLIANCE, AUDIBLE AND VISUAL
	MAGNETIC DOOR HOLDER
	FAN SHUT DOWN RELAY
	SMOKE DAMPER
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATION PANEL
	SUBSCRIPT INDICATES POLYCARBONATE GUARD
	SUBSCRIPT INDICATES WIRE GUARD
	CONTROL MODULE
	INITIATION MODULE

ELECTRICAL SYMBOLS LIST	
SYMBOL	DESCRIPTION
	HOME RUN TO PANELBOARD. LETTERS/ NUMBERS INDICATE PANEL. NUMBERS INDICATE CIRCUITS. NUMBER OF ARROWS EQUALS NUMBER OF CIRCUITS. CIRCUIT SHALL BE 2#12, 1-#12EG FROM 20A-1P CIRCUIT BREAKER, UNLESS NOTED OTHERWISE. BRANCH CIRCUIT WIRING SIZE AND NUMBER TO MATCH HOMERUN. REFER TO SPECS FOR RACEWAY TYPE.
	SOLID HALF ARROW(S) INDICATES 120 VOLT CIRCUIT TO SINGLE POLE CIRCUIT BREAKER(S), UNLESS NOTED OTHERWISE.
	SOLID FULL ARROW INDICATES 208 VOLT CIRCUIT TO MULTI-POLE CIRCUIT BREAKER, UNLESS NOTED OTHERWISE.
	GANGED DEVICES
	SPECIAL PURPOSE RECEPTACLE. PROVIDE PROPER VOLTAGE, CLASS, CURRENT RATING, AND NEMA CONFIGURATION AS REQUIRED BY BRANCH CIRCUIT AND/OR MATCH CAP ON EQUIPMENT BEING FURNISHED BY OTHERS. PROVIDE COORD AND CAP. SUBSCRIPT INDICATES TYPE: # - NEMA TYPE D - DRYER RECEPTACLE, 30A, 125/250V R - RANGE RECEPTACLE, 50A, 125/250V T - TWISTLOCK X - MATCH EQUIPMENT CAP
	JUNCTION BOX, NORMAL POWER
	SINGLE POINT CONNECTION TO EQUIPMENT
	TOGGLE SWITCH, VOLTAGE AS INDICATED ON FIXTURE SCHEDULE, SUBSCRIPTS INDICATE TYPE: 3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH K - KEY OPERATED WP - WEATHERPROOF V - VACUANCY SENSOR a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
	EMERGENCY BOILER SHUTDOWN PUSH BUTTON
	DUPLEX RECEPTACLE, SUBSCRIPTS INDICATE TYPE: U - USB OC - OVER COUNTER G - GROUND FAULT CIRCUIT INTERRUPTER T - TAMPER RESISTANT UC - UNDER THE COUNTER WP - WEATHER PROOF XP - EXPLOSION PROOF
	TWO DUPLEX RECEPTACLE, SINGLE COVER
	LUMINAIRE. UPPER CASE LETTERS INDICATE FIXTURE TYPE ON SCHEDULE. LOWER CASE LETTER INDICATES SWITCHING DESIGNATION.
	WALL MOUNTED EMERGENCY LUMINAIRE WITH BATTERY PACK
	CEILING MOUNTED EXIT LUMINAIRE
	WALL MOUNTED EXIT LUMINAIRE
	TRANSFORMER, REFER TO ONE LINE DIAGRAM AND TRANSFORMER SCHEDULE FOR SIZE AND TYPE
	208/120 VOLT PANELBOARD
	480/277 VOLT PANELBOARD
	MOTOR STARTER. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR SIZE AND TYPE
	DISCONNECT SWITCH AMP RATING AS INDICATED
	COMBINATION DISCONNECT SWITCH AND STARTER REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE
	ELECTRICAL CONNECTION. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR DESCRIPTION.
	CONTACTOR
	DATA RACK
	CCTV CAMERA AND DATA CABLE TO NEAREST DATA RACK
	BATTERY POWERED WIRELESS CLOCK
	EXISTING TO REMAIN - INDICATES EXISTING ITEM SHALL REMAIN. MAINTAIN EXISTING ELECTRICAL CONNECTIONS UNLESS OTHERWISE NOTED.
	EXISTING TO BE RELOCATED - INDICATES EXISTING ITEM SHALL BE RELOCATED. DISCONNECT AND REMOVE. REINSTALL AT NEW LOCATION AND RECONNECT ITEM AS REQUIRED.
	EXISTING TO BE REPLACED - INDICATES EXISTING ITEM SHALL BE REPLACED. RECONNECT TO EXISTING ELECTRICAL CONNECTIONS UNLESS OTHERWISE NOTED.
	REFERENCE TO DRAWING NOTE
	REFERENCE TO DEMOLITION NOTE
	EXISTING ELECTRICAL OR EQUIPMENT OR DEVICE. DASHED LIGHT IS EXISTING TO BE REMOVED.
	EXISTING WIRING OR EQUIPMENT, SOLID LIGHT IS EXISTING.
	HEAVY SOLID IS NEW

ABBREVIATIONS	
ABBREV.	DESCRIPTION
A	AMPERE
AC	MOUNTED ABOVE COUNTER HEIGHT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT INTERRUPTING
AIC	AMPERE INTERRUPTING CURRENT
AL	ALUMINUM
ASD	ADJUSTABLE SPEED DRIVE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER OR CRITICAL BRANCH
CCTV	CLOSED CIRCUIT TELEVISION
CLNG	CEILING
CM	CONSTRUCTION MANAGER
CT	CABLE TRAY
CU	COPPER
DN	DOWN
DP	DISTRIBUTION PANEL
EA	EACH
EC	ELECTRICAL CONTRACTOR/TRADE
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING/CONDUIT
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FL	FLUORESCENT
G	GROUND
GC	GENERAL CONTRACTOR/TRADE
GEN	GENERATOR
GFIC/GFI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HAND HOLE
HP	HORSE POWER
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION & AIR CONDITIONING
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
MATV	MASTER TELEVISION
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MFR	MULTI-FUNCTION RELAY
MH	MANHOLE OR METAL HALIDE
MI	MINERAL INSULATED CABLE
MLO	MAIN LUG ONLY
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NM	NON-METALLIC SHEATHED CABLE
NMT	NON-METALLIC TUBING/CONDUIT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	MOUNTED OVER COUNTER HEIGHT
OH	OVERHEAD
P	POLE
PC	PHOTOCELL
PH	PHASE
PT	POTENTIAL TRANSFORMER
PTZ	PANTILT/ZOOM
RMC	RIGID METAL CONDUIT
SP	SPACE
SPD	SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATION
STP	SHIELDED TWISTED PAIR
SWBD	SWITCHBOARD
THD	TOTAL HARMONIC DISTORTION
TYP	TYPICAL
UC	MOUNTED UNDER COUNTER HEIGHT
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UPS	UNINTERRUPTABLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
W	WIRE
WG	WIRE GUARD
WP	WEATHERPROOF

KING + KING PROJ. NO.: 28-44-9206

S&B PROJECT NUMBERS:
D A K-B MAIN BUILDING: NO WORK
B B PRE-K BUILDING: NO WORK
B B MAINTENANCE BUILDING: 60-09-03-04-S-005-001
D D NEW BUS GARAGE: 60-09-03-04-S-026-006



ENGINEERING

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Project #202019



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GENERAL NOTES AND SYMBOLS LIST

C E9.02