

# ISSUED FOR CONSTRUCTION

# FACILITY RENOVATIONS PHASE II

# DUTCHESS COUNTY DEPARTMENT OF PUBLIC WORKS

## DUTCHESS COUNTY PUBLIC TRANSIT FACILITY

### 14 COMMERCE STREET

### POUGHKEEPSIE, NEW YORK

RFB-DCB-04-24

PREPARED FOR

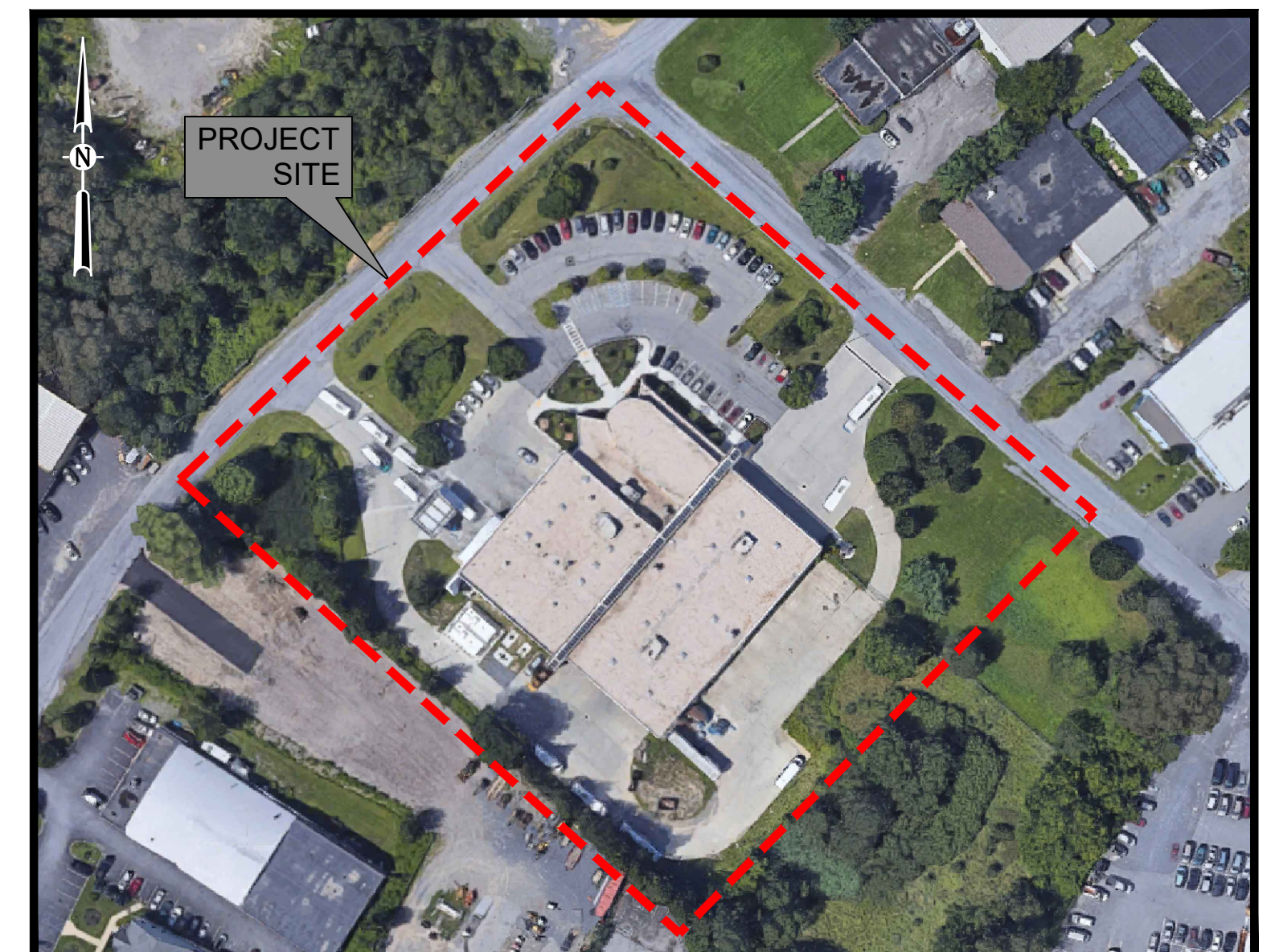


**SUE SERINO**  
COUNTY EXECUTIVE

**ROBERT H. BALKIND, P.E.**  
COMMISSIONER OF PUBLIC WORKS



VICINITY MAP  
NOT TO SCALE



SITE LOCATION MAP  
NOT TO SCALE

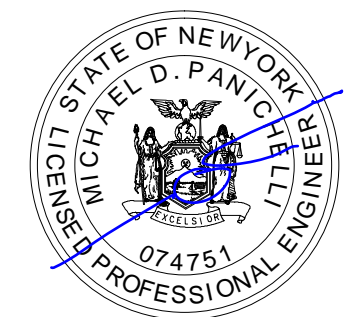
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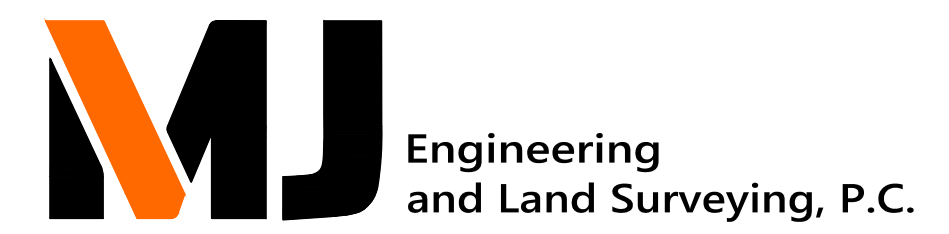
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SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II

**COVER SHEET**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
G-001

**LEGEND:**

<b>EXISTING</b>		<b>PROPOSED</b>	
	PROPERTY LINE		CONTRACT LIMIT LINE
	BENCHMARK		REMOVAL KEY NOTE
	CONTROL BASELINE		ASPHALT SAWCUT
	CHAIN LINK FENCE		MISC. LINEAR REMOVAL
	GUIDERAIL		MISC. OBJECT REMOVAL
	BUILDING LINE		CONCRETE AND SUBBASE REMOVAL
	SPOT ELEVATION		BOLLARD
	MAJOR CONTOUR		CONCRETE SURFACE
	SINGLE POST SIGN		ASPHALT PAVEMENT
	BOLLARD		NEW BUILDING OUTLINE
	WOODS LINE		FENCE (CHAIN LINK)
	DECIDUOUS TREE		STORM SEWER
	CONIFEROUS TREE		DRAINAGE MANHOLE
	FIRE HYDRANT		CATCH BASIN (SQUARE)
	SANITARY LINE		STORM CLEANOUT
	SANITARY MANHOLE		STORM ROOF DRAIN
	STORM LINE		DOUBLE HEAD LIGHT POLE
	CATCH BASIN - ROUND		SINGLE HEAD LIGHT POLE
	STORM MANHOLE		PEDESTAL LIGHT POLE
	ROOF DRAIN		ELECTRIC VEHICLE CHARGING STATION
	OVERHEAD POWER LINE		CONTOUR LINE
	ELECTRIC LINE		SPOT ELEVATION
	OVERHEAD WIRES		MATCH EXISTING ELEVATION
	ELECTRIC METER		SILT FENCE
	UNKNOWN MANHOLE		IN-PAVEMENT INLET PROTECTION
	LIGHT POST		OUT-OF-PAVEMENT INLET PROTECTION
	UTILITY POLE		TREE PROTECTION
	GUY WIRE		

**ABBREVIATIONS**

HDPE	HIGH DENSITY POLYETHYLENE
CLL	CONTRACT LIMIT LINE
ST	STORM SEWER
ME	MATCH ELEVATION

**GENERAL NOTES:**

1. INFORMATION SHOWN HEREON IS FROM A FIELD SURVEY COMPLETED BY M.J. ENGINEERING AND LAND SURVEYING, P.C. ON DURING JULY 2023 AND AUGUST 2023.
2. THE HORIZONTAL DATUM IS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83/2011, EPOCH 2010.00), NEW YORK STATE PLANE EAST ZONE 3101.
3. THE VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), GEOID18.
4. CONTOUR INTERVAL = 1 FOOT.
5. NORTH IS ORIENTED TO GRID NORTH FROM GPS OBSERVATION.
6. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON SURFACE EVIDENCE AND INFORMATION RECORDED DURING CONVENTIONAL SURVEY METHODS. THIS MAPPING DOES NOT PURPORT TO SHOW ALL UNDERGROUND UTILITIES ON SITE AND IS SUBJECT TO FIELD VERIFICATION.
7. SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. SURVEY IS SUBJECT TO ANY INFORMATION THAT AN UP TO DATE TITLE REPORT MAY DISCLOSE.
8. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS, OR RESTRICTIONS OF RECORD.
9. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYORS SEAL AND SIGNED WITH INK SHALL NOT BE CONSIDERED TO BE VALID COPIES.

**MAP REFERENCES:**

1. "SURVEY MAP OF LANDS OF LAGRANGE REALTY CORP.", PREPARED BY CHARLES J. MILLER, JR., DATED JANUARY 17, 1966 WHICH WAS FILED IN THE DUTCHESS COUNTY CLERKS OFFICE ON APRIL 19, 1966 AS MAP NO. 3410.

**DEED REFERENCE:**

1. GEORGIA BARTREM TO COUNTY OF DUTCHESS, DATED JUNE 29, 1990 AND RECORDED IN THE DUTCHESS COUNTY CLERKS OFFICE IN DEED BOOK 1868 AT PAGE 599.

**UDIG NEW YORK: CALL 811 BEFORE YOU DIG:**

1. **CALL BEFORE YOU DIG:** IF YOU PLAN TO DIG OR DO ANY TYPE OF EXCAVATION WORK, NEW YORK STATE LAW REQUIRES YOU CALL UDIG NEW YORK PRIOR TO DOING SO.
2. **WAIT THE REQUIRED TIME:** YOU NEED TO PROVIDE TWO FULL WORKING DAYS NOTICE PRIOR TO STARTING YOUR WORK, NOT COUNTING THE DAY OF YOUR CALL, WEEKENDS OR HOLIDAYS. THIS PROVIDES TIME FOR THE UTILITIES TO LOCATE YOUR PROPOSED DIG SITE.
3. **CONFIRM UTILITY RESPONSE:** UDIG NEW YORK WILL NOTIFY ALL MEMBER UTILITIES OF THE PENDING EXCAVATION SO THAT THAT THEY CAN COME OUT AND MARK THE LOCATION OF THEIR UNDERGROUND LINES. BEFORE DIGGING ON YOUR STATED COMMENCEMENT DATE CONFIRM THAT ALL UTILITIES HAVE RESPONDED TO YOU INDICATING THEY HAVE MARKED YOUR PROPERTY OR THEY HAVE NO FACILITIES PRESENT.
4. **RESPECT THE MARKS:** BEFORE YOU BEGIN YOUR EXCAVATION, WALK THROUGH THE SITE TO FAMILIARIZE YOURSELF WITH THE MARKINGS AND THE LOCATIONS OF BURIED FACILITIES.
5. **DIG WITH CARE:** IT IS IMPORTANT EXCAVATORS TAKE A PROACTIVE APPROACH TO SAFETY NOT ONLY FOR THEMSELVES BUT FOR THE PUBLIC BY INITIATING THE ONE CALL PROCESS AND ADHERING TO THE FIVE STEPS OF A SAFE EXCAVATION.

**EROSION AND SEDIMENT CONTROL (E&SC) NOTES:**

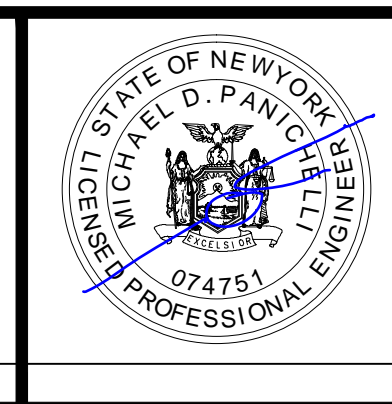
1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", CURRENT EDITION.
2. PROVIDE AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
  - A. SILT FENCE SHALL BE PROVIDED PRIOR TO DISTURBANCE OF EXISTING SOIL SURFACE AND SHALL BE INSPECTED AND MAINTAINED REGULARLY DURING CONSTRUCTION ACTIVITIES.
  - B. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A STABILIZED AREA WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - C. STABILIZED CONSTRUCTION ENTRANCE: INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.
  - D. SOIL STOCKPILES: SILT FENCE SHALL BE CONSTRUCTED AROUND ALL STOCKPILES OF FILL, TOPSOIL, AND EXCAVATED OVERBURDEN THAT ARE TO REMAIN EXPOSED FOR PERIODS GREATER THAN 1 DAY. HAY BALES SHALL BE ANCHORED AND MAINTAINED IN GOOD CONDITION UNTIL SUCH TIME AS SAID STOCKPILES ARE REMOVED AND STOCKPILING AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED. TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 7 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.
  - E. TEMPORARY SEEDING: TEMPORARY SEEDING REDUCES EROSION AND SEDIMENT LOSS FROM BARE GROUND. PROVIDE TEMPORARY SEEDING TO PROVIDE TEMPORARY COVER FOR DISTURBED EARTH OR SOIL STOCKPILES HELD FOR LONGER THAN 7 DAYS, TEMPORARY SHUT DOWN OF CONSTRUCTION OR WAITING FOR OPTIMAL PLANTING TIME.
  - F. DUST CONTROL: TEMPORARY AND PERMANENT STABILIZATION MEASURES, SUCH AS SEEDING, MULCHING AND INSTALLING EROSION AND SEDIMENT CONTROL BLANKETS, WILL PREVENT DUST FROM BLOWING OFF SITE. INSTALL THESE MEASURES AS SOON AS FINAL GRADES ARE REACHED AND ON SOIL STOCKPILES AND DISTURBED AREAS TO BE LEFT FOR LONGER THAN 7 DAYS.
  - G. PERMANENT SEEDING: PERMANENT SEEDING PREVENTS SOIL EROSION FROM BARE SOIL. ONCE FINAL GRADING OF AN AREA HAS BEEN COMPLETED, SEEDING SHALL TAKE PLACE IMMEDIATELY.

**REMOVAL NOTES:**

1. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
2. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
3. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER'S REPRESENTATIVE.
4. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
5. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA AS REQUIRED BY SPECIFICATION SECTION 312000. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY OWNER'S REPRESENTATIVE AT A MINIMUM OF 72 HOURS BEFORE STARTING WORK AND WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
6. REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
7. PROTECT EXISTING FEATURES THAT ARE NOT TO BE REMOVED.
8. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
9. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT OWNER'S REPRESENTATIVE'S PERMISSION.
10. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER.
11. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
12. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
13. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
14. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
15. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. ALL EXCESS MATERIALS SHALL BE TRANSPORTED OFF SITE AND LEGALLY DISPOSED OF.
16. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
17. LEGALLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY LEGALLY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	AJW	J. BIANCHI 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	AJW
DESIGNED BY:	AJW
DRAWN BY:	AJW
CHECKED BY:	JMB

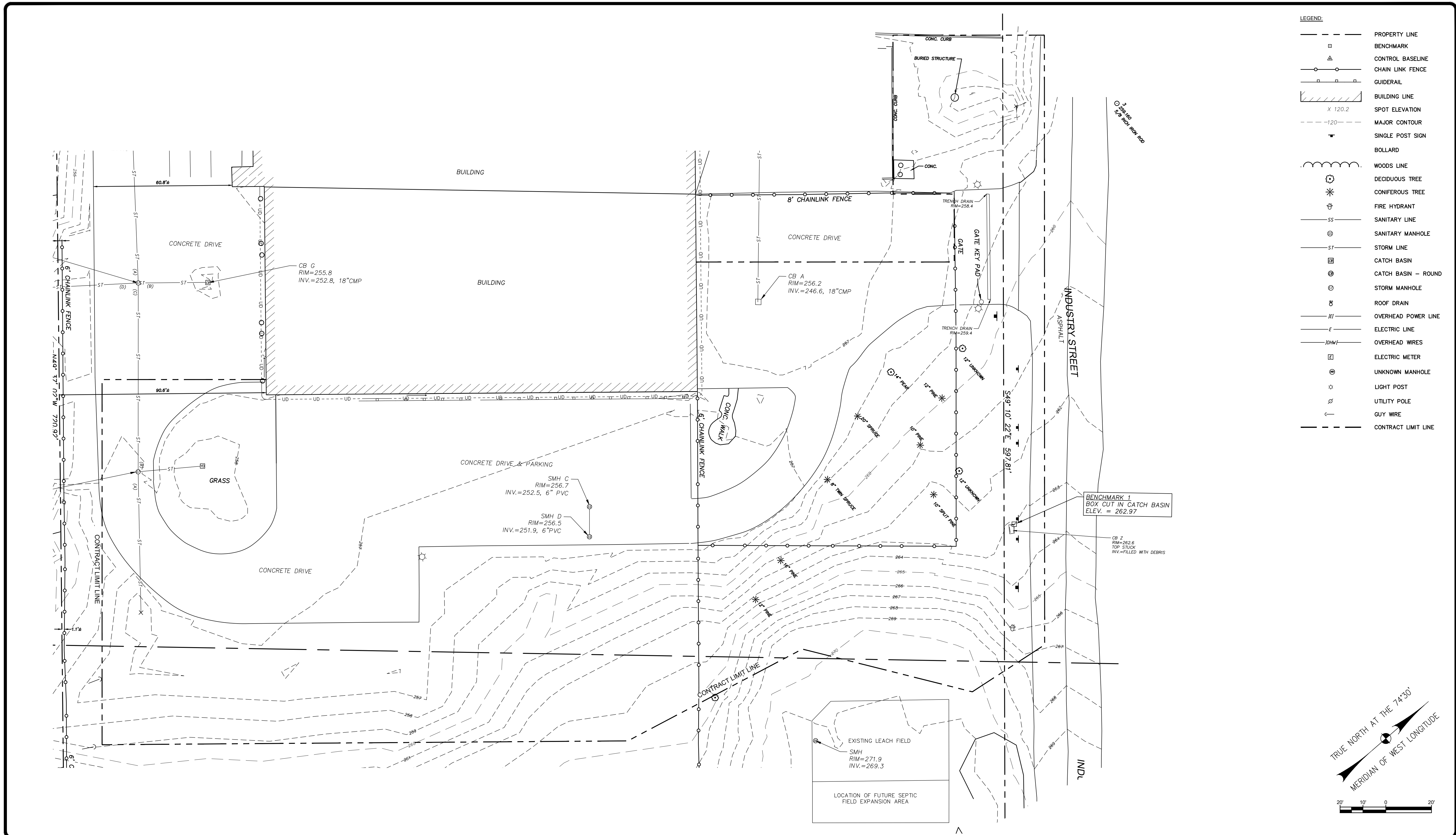


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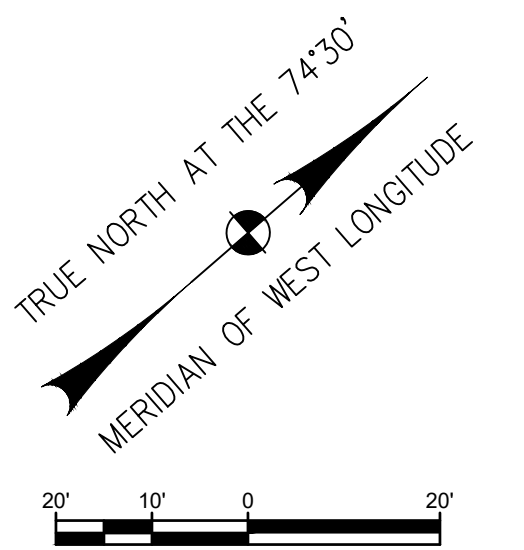
FACILITY RENOVATIONS PHASE II  
**GENERAL NOTES AND LEGENDS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE:
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>C-001</b>



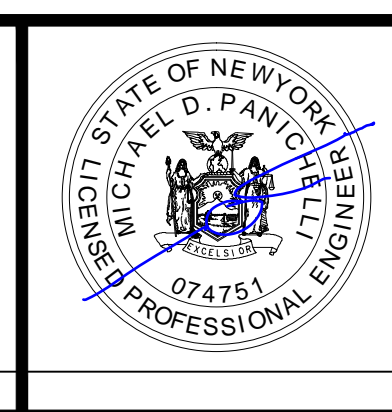
**LEGEND:**

---	PROPERTY LINE
□	BENCHMARK
△	CONTROL BASELINE
○	CHAIN LINK FENCE
□	GUIDERAIL
▨	BUILDING LINE
X 120.2	SPOT ELEVATION
-120-	MAJOR CONTOUR
⊙	SINGLE POST SIGN
⊙	BOLLARD
⋯	WOODS LINE
⊙	DECIDUOUS TREE
⊙	CONIFEROUS TREE
⊙	FIRE HYDRANT
SS	SANITARY LINE
⊙	SANITARY MANHOLE
ST	STORM LINE
□	CATCH BASIN
⊙	CATCH BASIN - ROUND
⊙	STORM MANHOLE
⊙	ROOF DRAIN
	OVERHEAD POWER LINE
---	ELECTRIC LINE
	OVERHEAD WIRES
⊙	ELECTRIC METER
⊙	UNKNOWN MANHOLE
⊙	LIGHT POST
⊙	UTILITY POLE
---	GUY WIRE
---	CONTRACT LIMIT LINE



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	AJW	J. BIANCHI

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	AJW
DESIGNED BY:	AJW
DRAWN BY:	AJW
CHECKED BY:	JMB

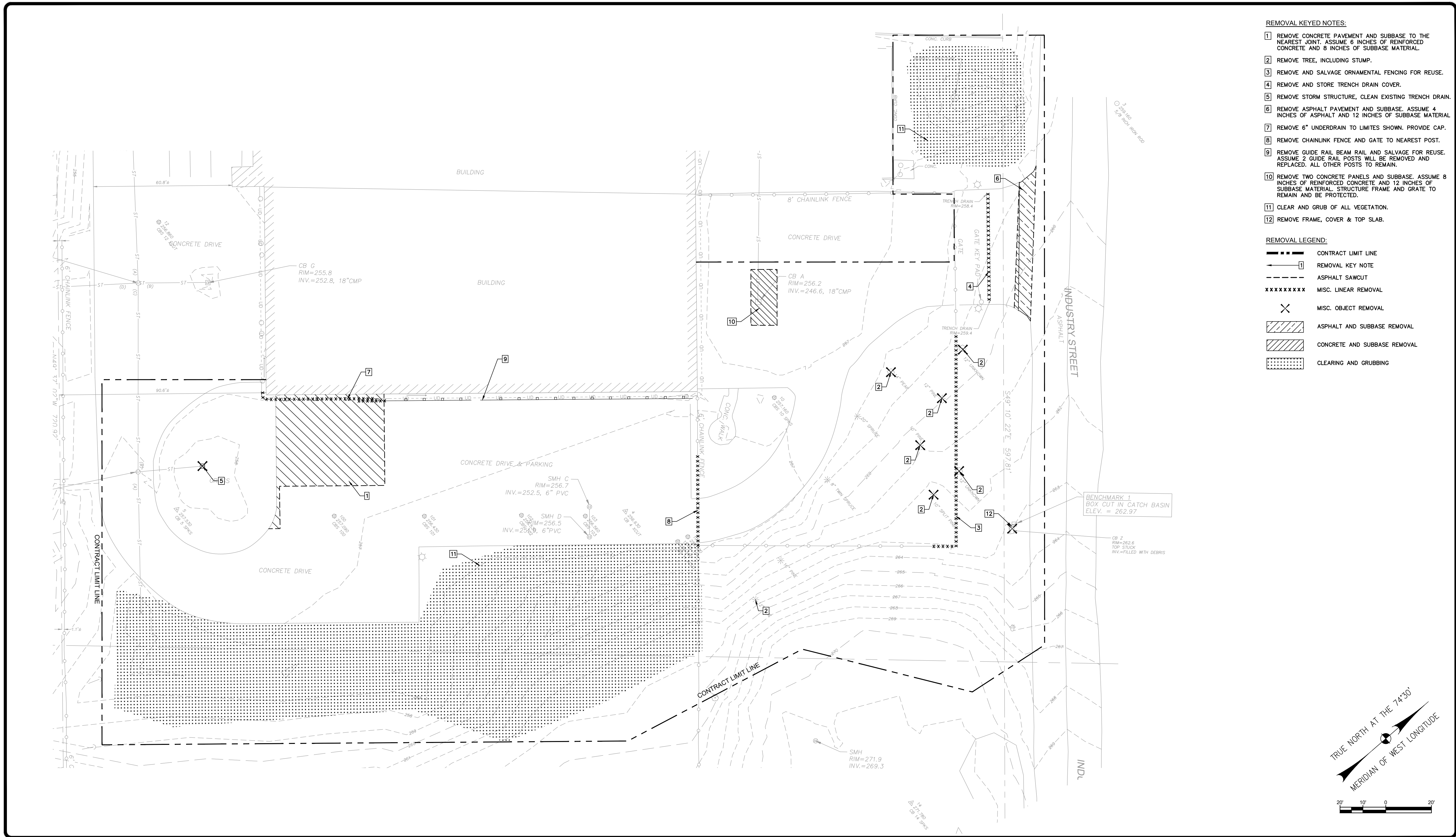


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FACILITY RENOVATIONS PHASE II  
**EXISTING CONDITIONS PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE:
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>C-100</b>

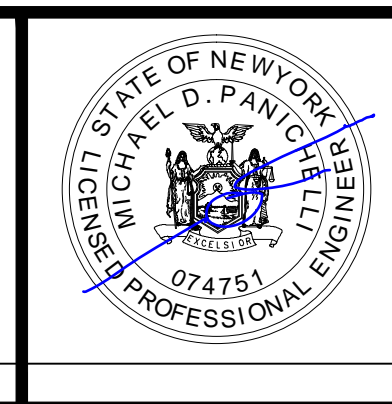


- REMOVAL KEYED NOTES:**
- 1 REMOVE CONCRETE PAVEMENT AND SUBBASE TO THE NEAREST JOINT. ASSUME 6 INCHES OF REINFORCED CONCRETE AND 8 INCHES OF SUBBASE MATERIAL.
  - 2 REMOVE TREE, INCLUDING STUMP.
  - 3 REMOVE AND SALVAGE ORNAMENTAL FENCING FOR REUSE.
  - 4 REMOVE AND STORE TRENCH DRAIN COVER.
  - 5 REMOVE STORM STRUCTURE, CLEAN EXISTING TRENCH DRAIN.
  - 6 REMOVE ASPHALT PAVEMENT AND SUBBASE. ASSUME 4 INCHES OF ASPHALT AND 12 INCHES OF SUBBASE MATERIAL.
  - 7 REMOVE 6" UNDERDRAIN TO LIMITES SHOWN. PROVIDE CAP.
  - 8 REMOVE CHAINLINK FENCE AND GATE TO NEAREST POST.
  - 9 REMOVE GUIDE RAIL BEAM RAIL AND SALVAGE FOR REUSE. ASSUME 2 GUIDE RAIL POSTS WILL BE REMOVED AND REPLACED. ALL OTHER POSTS TO REMAIN.
  - 10 REMOVE TWO CONCRETE PANELS AND SUBBASE. ASSUME 8 INCHES OF REINFORCED CONCRETE AND 12 INCHES OF SUBBASE MATERIAL. STRUCTURE FRAME AND GRATE TO REMAIN AND BE PROTECTED.
  - 11 CLEAR AND GRUB OF ALL VEGETATION.
  - 12 REMOVE FRAME, COVER & TOP SLAB.

- REMOVAL LEGEND:**
- CONTRACT LIMIT LINE
  - ① REMOVAL KEY NOTE
  - - - ASPHALT SAWCUT
  - \*\*\*\*\* MISC. LINEAR REMOVAL
  - ✕ MISC. OBJECT REMOVAL
  - ▨ ASPHALT AND SUBBASE REMOVAL
  - ▩ CONCRETE AND SUBBASE REMOVAL
  - ▤ CLEARING AND GRUBBING

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	AJW	J. BIANCHI

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: AJW  
 DESIGNED BY: AJW  
 DRAWN BY: AJW  
 CHECKED BY: JMB



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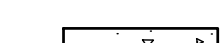
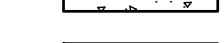

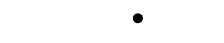
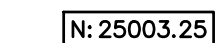
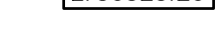

FACILITY RENOVATIONS PHASE II  
**REMOVALS PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

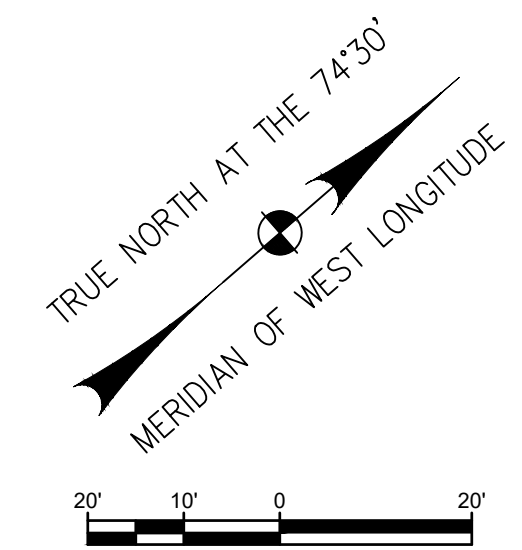
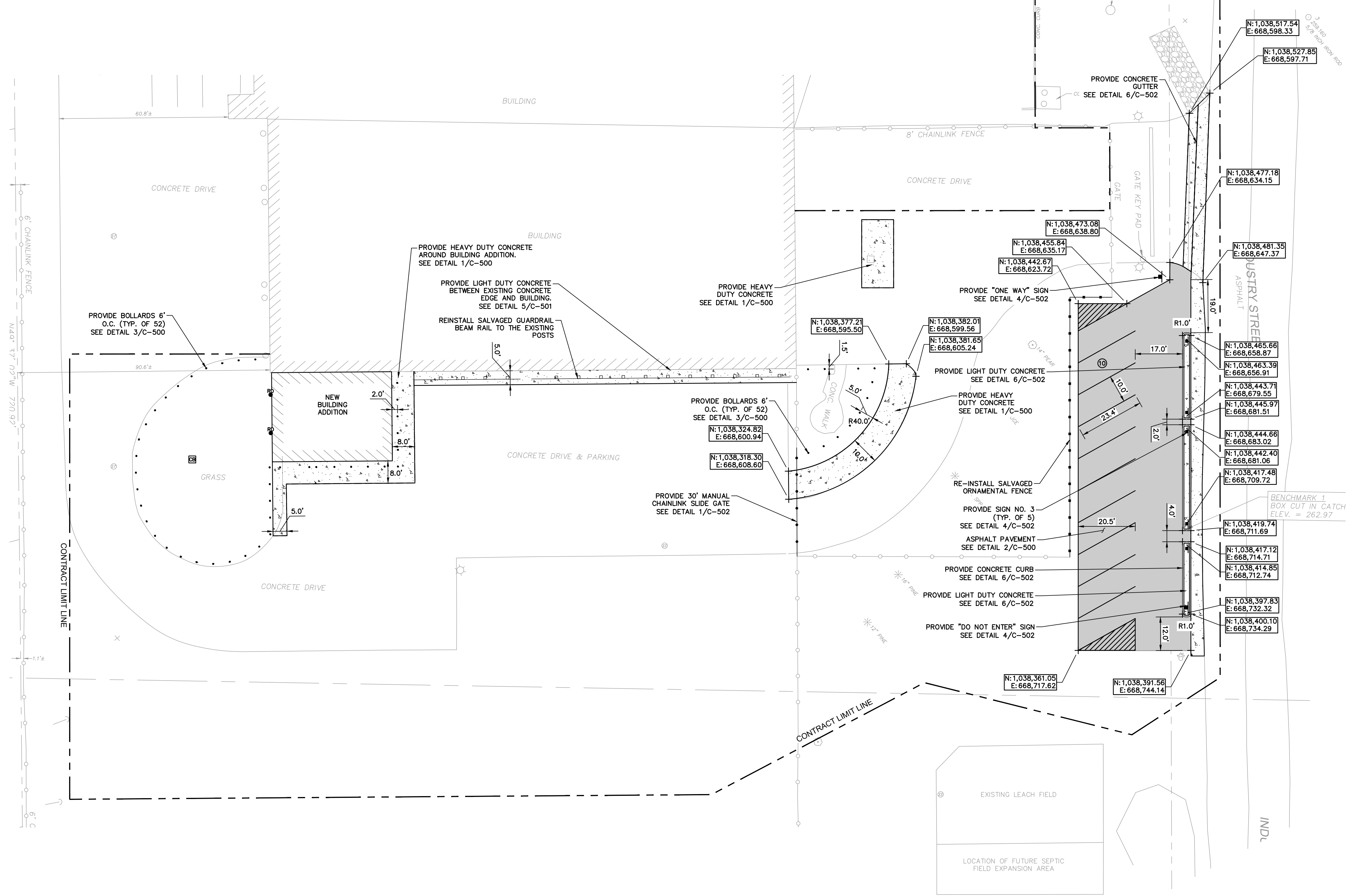
SCALE:  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**C-110**

LAYOUT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT.
2. PROVIDE TOPSOIL, SEED & MULCH OVER ALL DISTURBED AREAS TO HAVE GRASS COVERAGE.
3. CONTRACTOR TO PROVIDE ANY ADDITIONAL ORNAMENTAL FENCE SECTIONS AS NEEDED.

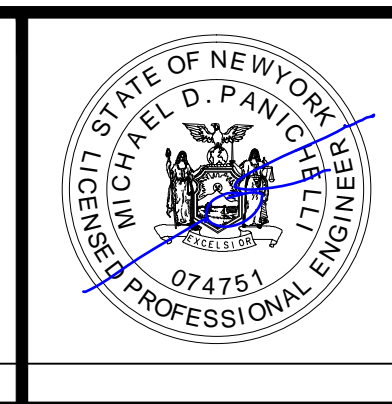
LEGEND:

-  CONTRACT LIMIT LINE
-  CONCRETE PAVEMENT
-  ASPHALT PAVEMENT, DETAIL 2/C-500
-  BOLLARD, DETAIL 3/C-500
-  LAYOUT COORDINATES  
N=NORTHING  
E=EASTING
-  EXISTING SURVEY BENCHMARK POINT
-  EXISTING SURVEY BASELINE POINT
-  LIGHT RIPRAP



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	AJW	J. BIANCHI 2/5/2024

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: AJW  
 DESIGNED BY: AJW  
 DRAWN BY: AJW  
 CHECKED BY: JMB



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FACILITY RENOVATIONS PHASE II  
**LAYOUT AND MATERIALS PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

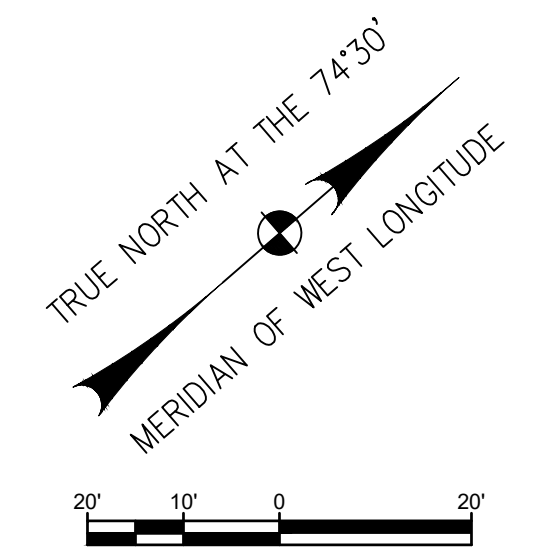
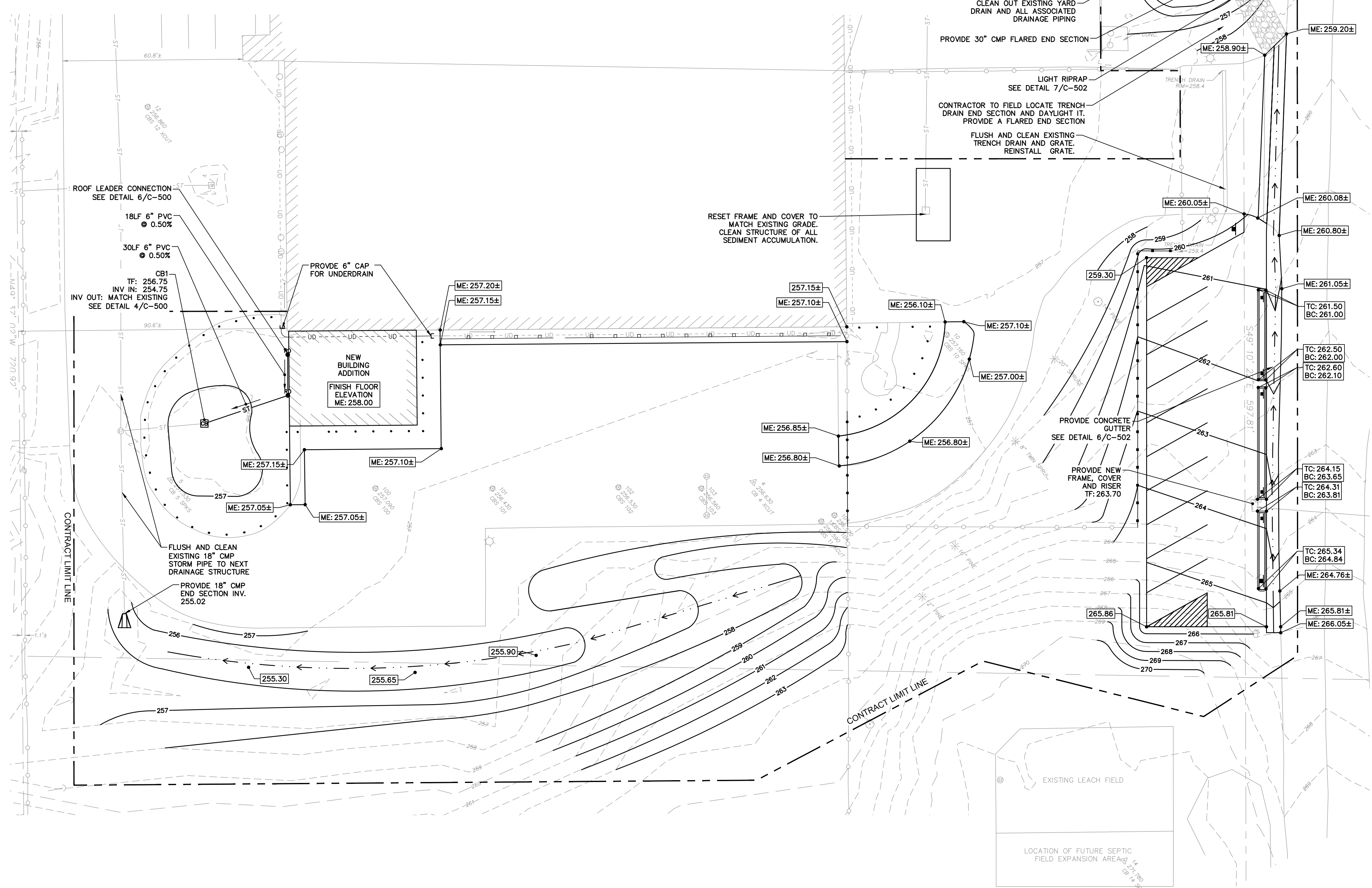
SCALE:  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

**C-120**

- LEGEND:**
- CONTRACT LIMIT LINE
  - 165- CONTOUR LINE
  - [165.87] SPOT ELEVATION
  - [ME:167.11±] MATCH ELEVATION
  - ST — STORM PIPE
  - CB KNOCKOUT CATCH BASIN

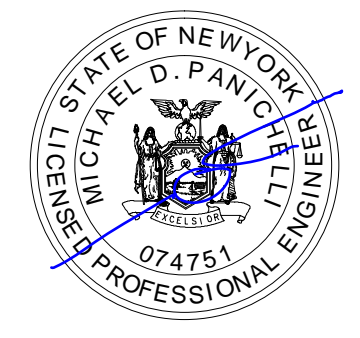
**NOTE:**

- THE PROPOSED STORM SEWER STRUCTURES AND PIPING SHALL BE COMPLETELY FLUSHED OF SEDIMENT THAT HAS ACCUMULATED FROM CONSTRUCTION AND REMOVED FROM THE SITE PRIOR TO SUBSTANTIAL COMPLETION AND AT A TIME DETERMINED BY THE OWNER'S REPRESENTATIVE IN ACCORDANCE WITH NYSDEC REGULATIONS.

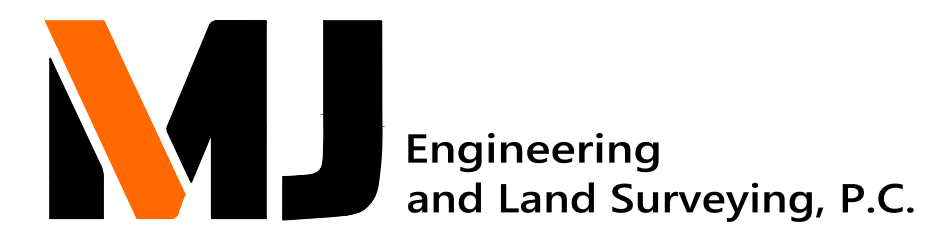


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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	AJW
DESIGNED BY:	AJW
DRAWN BY:	AJW
CHECKED BY:	JMB



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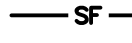





FACILITY RENOVATIONS PHASE II  
**GRADING AND DRAINAGE PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

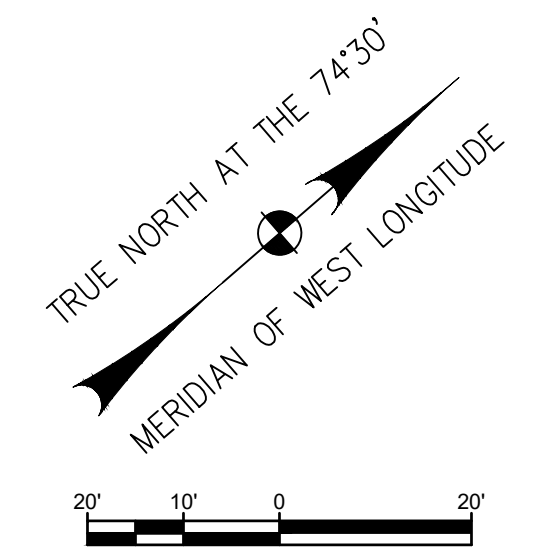
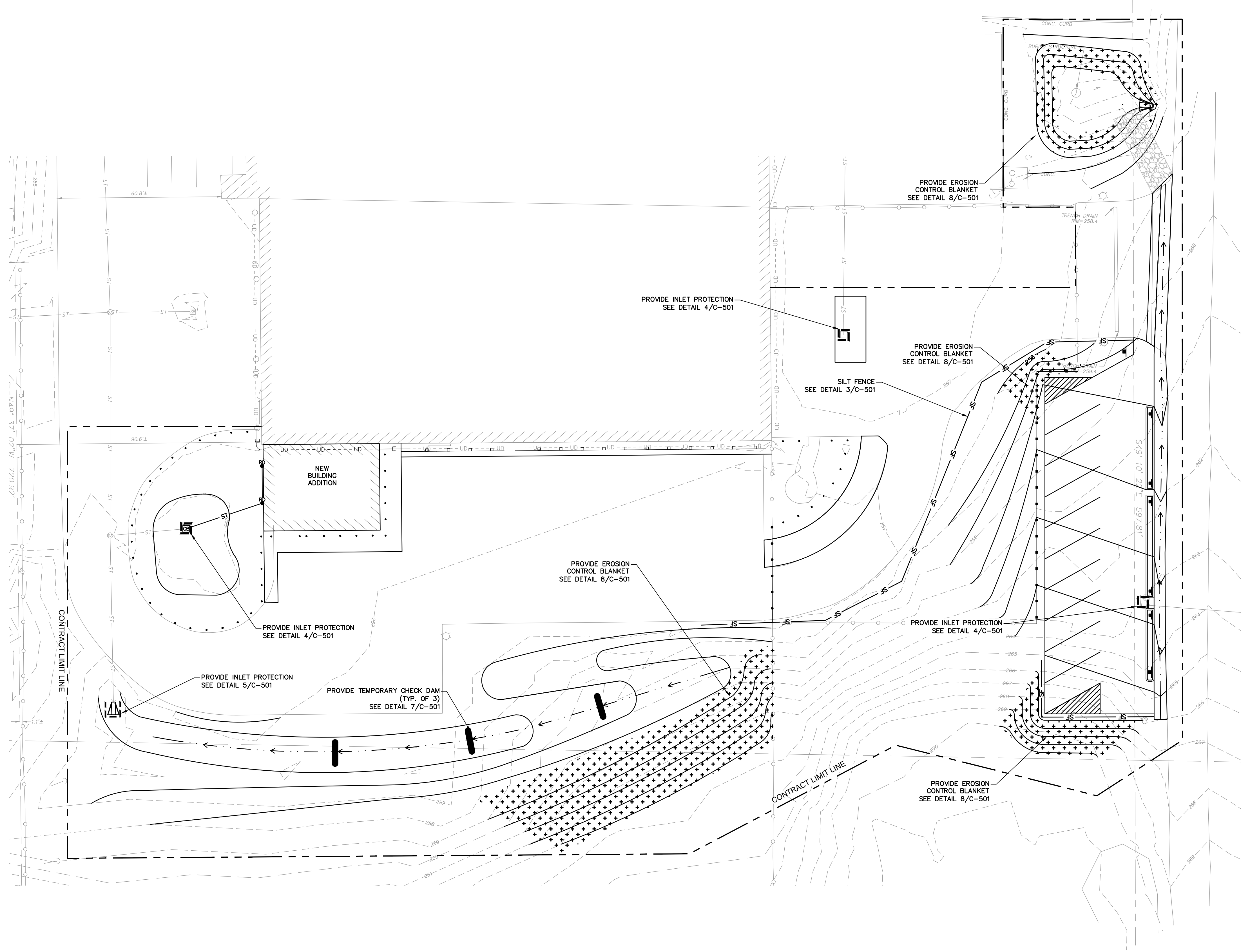
SCALE:
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

**C-130**

**LEGEND:**

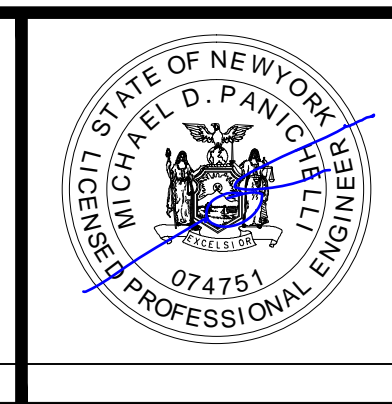
	CONTRACT LIMIT LINE
	SILT FENCE
	INLET PROTECTION
	TEMPORARY CHECK DAM
	EROSION CONTROL BLANKET

- NOTES:**
1. ALL DISTURBED AREAS TO RECEIVE TOPSOIL, SEED, AND MULCH.
  2. ALL SOILS EXPOSED FOR LONGER THAN 7 DAYS SHALL RECEIVE TEMPORARY STABILIZATION IN THE FORM OF SEED AND MULCH. FINAL SITE COVER IN LAWN AREAS SHALL BE DONE IN ACCORDANCE WITH TURFS AND GRASSES SPECIFICATION 329200.
  3. TOP SOIL STOCK PILE AREAS NOT SHOWN. AS PART OF THE BID, ASSUME ONE STOCK PILE WILL BE REQUIRED FOR THE EXECUTION OF THE WORK. CONTRACTOR SHALL LOCATE STOCK PILES WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH DETAIL 6/C-501. THE CONTRACTOR SHALL REVIEW LOCATION OF STOCK PILE AREA WITH OWNER'S REPRESENTATIVE AND GAIN APPROVAL FROM THE OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT.
  4. TEMPORARY CONCRETE WASHOUT AREA NOT SHOWN. AS PART OF THE BID, ASSUME ONE WILL BE REQUIRED. WASHOUT AREAS SHALL BE UTILIZED DURING CONCRETE OPERATIONS. THE CONTRACTOR SHALL REVIEW LOCATIONS WITH THE OWNER'S REPRESENTATIVE AND GAIN APPROVAL FROM THE OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. INSTALL IN ACCORDANCE WITH DETAIL 2/C-501.
  5. SWEEP ADJACENT CONCRETE AREAS TO LIMIT SEDIMENT TRACKING.



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CHIEF DESIGNER:	AJW
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CHECKED BY:	JMB

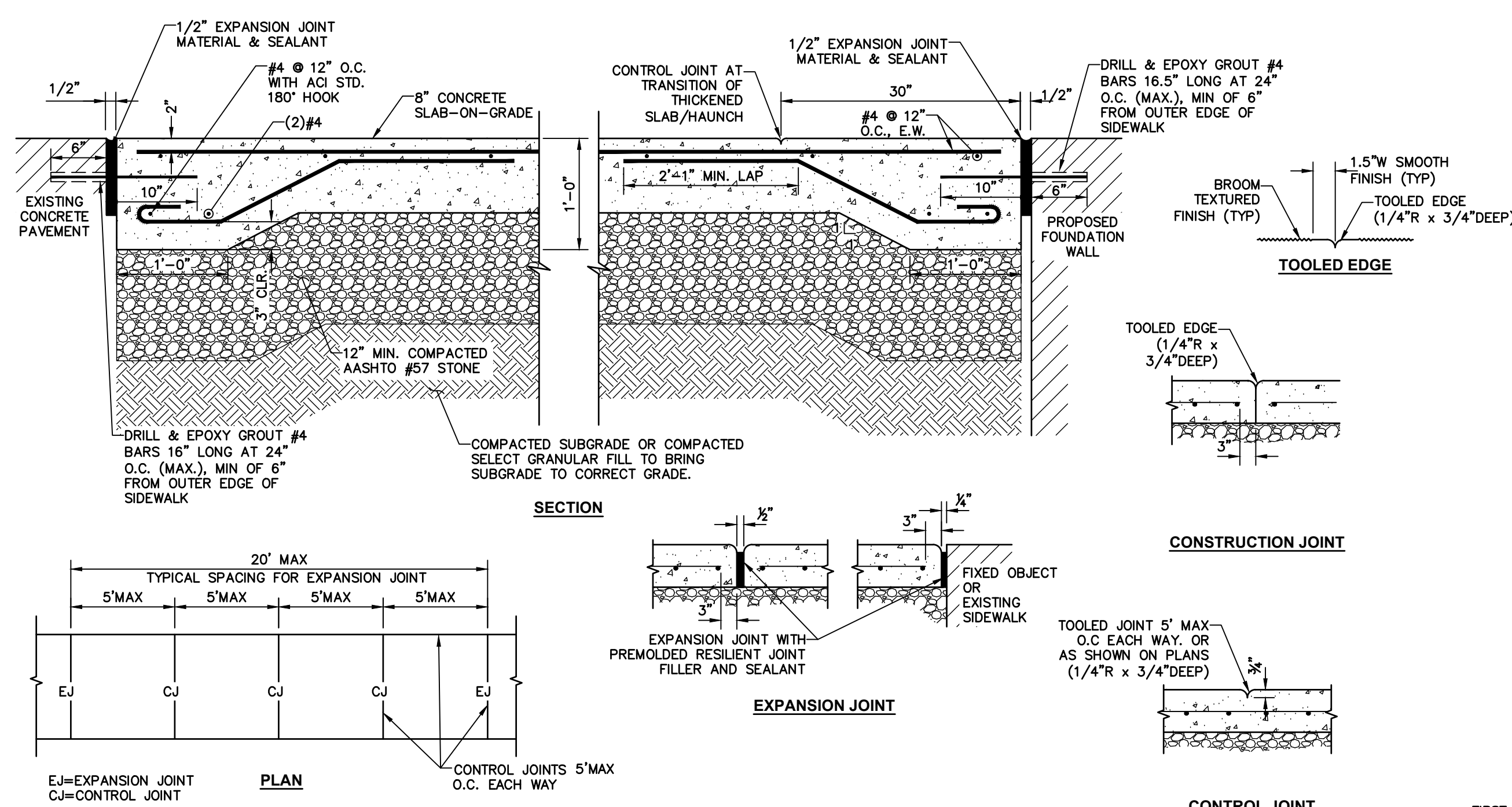


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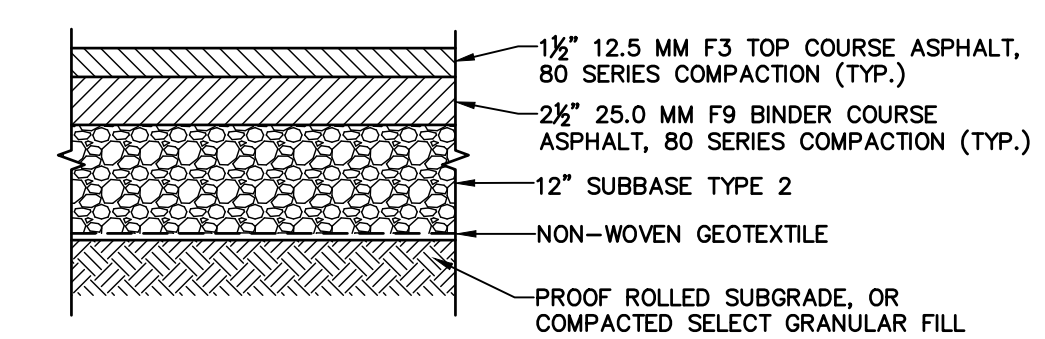
FACILITY RENOVATIONS PHASE II  
**EROSION AND SEDIMENT CONTROL PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE:
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>C-140</b>



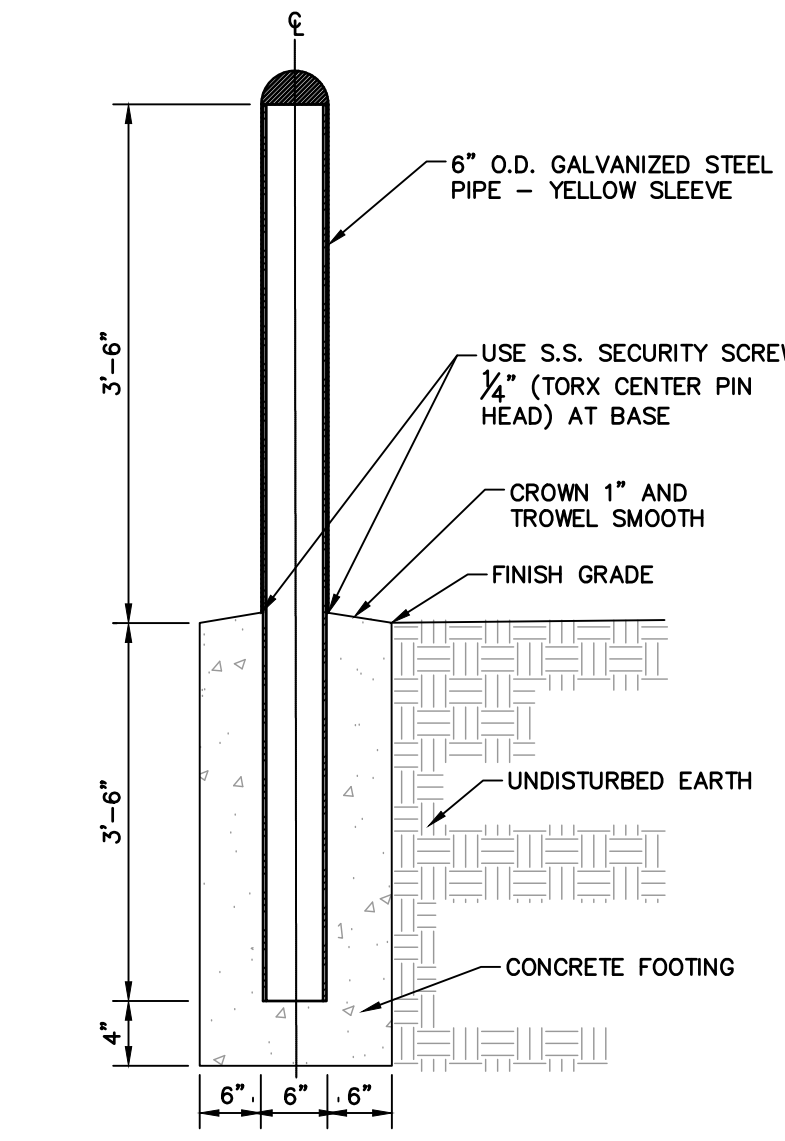
- NOTES:**
1. ALL CONCRETE SHALL BE 5,000 PSI CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SPECIFICATION SECTION 321313.
  2. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. TOOL SHALL BE PROVIDE MAX 1-1/2\"/>

**1 HEAVY DUTY CONCRETE PAVEMENT WITH BUILDING CONNECTION**  
SCALE: N.T.S.



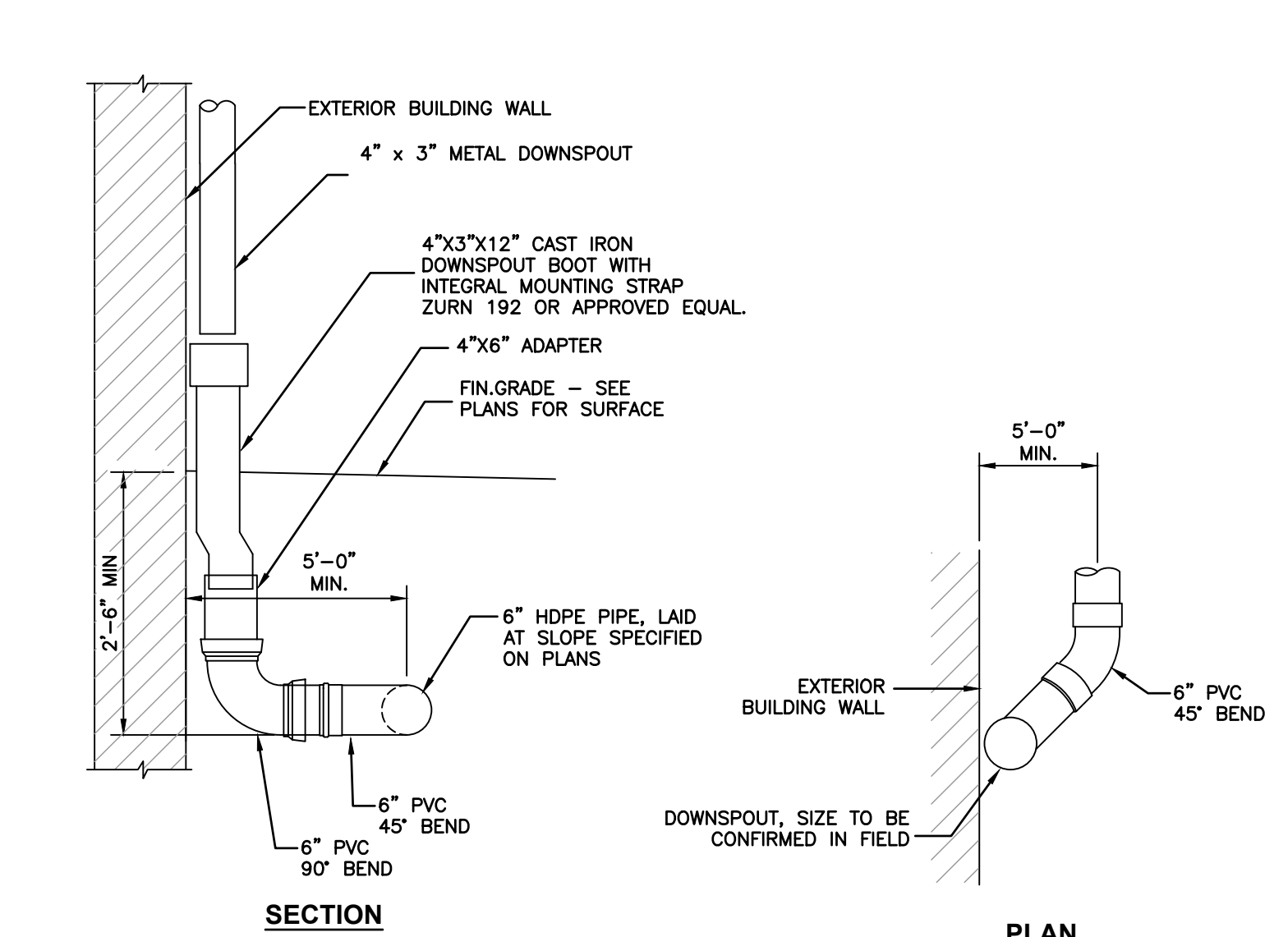
- NOTES:**
1. APPLY TACK COAT BETWEEN ALL HMA PAVEMENT LIFTS PRIOR TO PLACING ASPHALT MIXTURE REGARDLESS OF TIME PERIOD BETWEEN LIFTS PER NYS DOT 404-3.
  2. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYS DOT STANDARD SPECIFICATIONS.
  3. REFER TO SPECIFICATION SECTION 321216 FOR PAVEMENT MATERIAL REQUIREMENTS.

**2 ASPHALT PAVEMENT SECTION**  
SCALE: N.T.S.

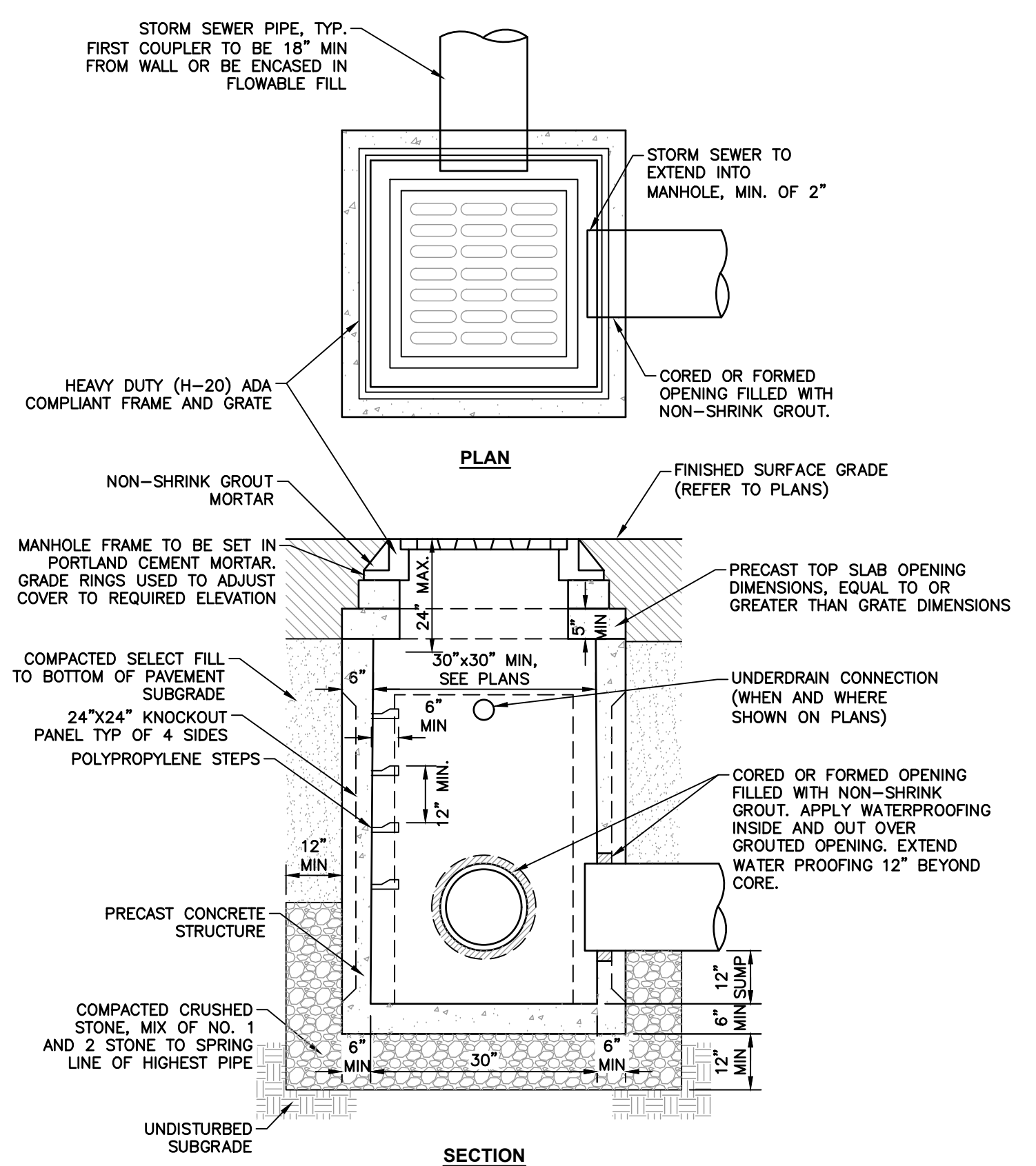


- NOTES:**
1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI @ 28 DAYS.
  2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4\"/>

**3 STEEL PIPE BOLLARD WITH SLEEVE**  
SCALE: N.T.S.

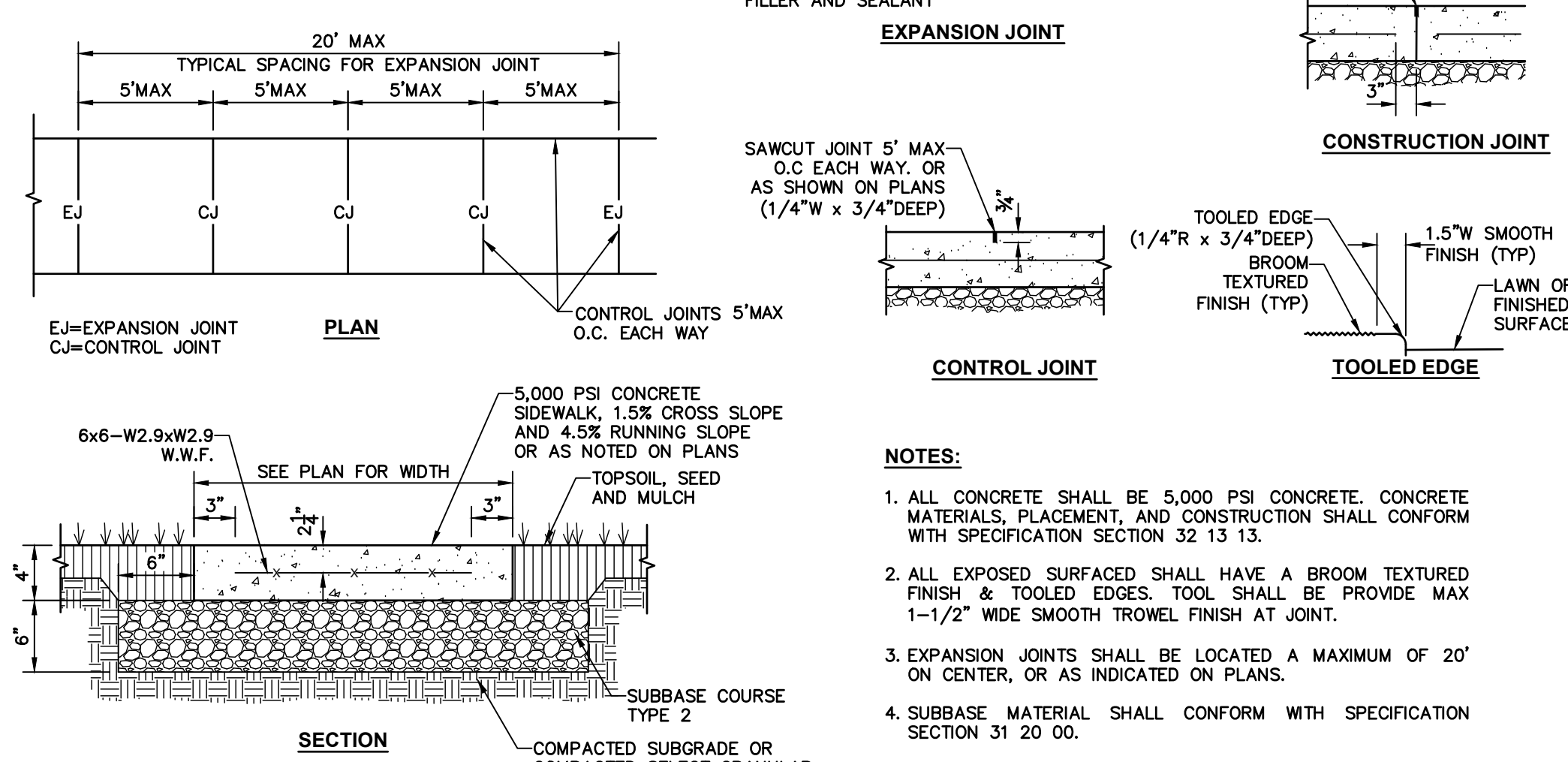


**6 BUILDING LEADER ROOF CONNECTION**  
SCALE: N.T.S.



- NOTES:**
1. PRECAST TOP SLAB OPENING DIMENSIONS MUST BE EQUAL TO OR GREATER THAN GRATE DIMENSIONS.
  2. BACKFILL USING SELECT BACKFILL, COMPACTED IN 6\"/>

**4 STORM CATCH BASIN (SQUARE) - KNOCKOUT**  
SCALE: N.T.S.

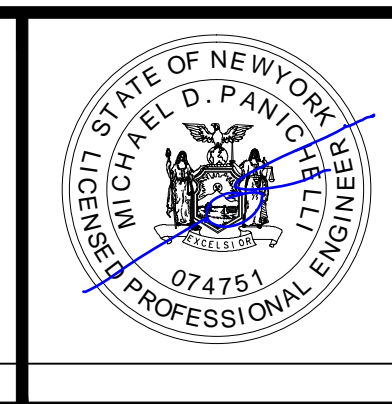


**5 LIGHT DUTY CONCRETE WIRE MESH REINFORCEMENT**  
SCALE: N.T.S.

- NOTES:**
1. ALL CONCRETE SHALL BE 5,000 PSI CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SPECIFICATION SECTION 32 13 13.
  2. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. TOOL SHALL BE PROVIDE MAX 1-1/2\"/>

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	AJW	J. BIANCHI

PROJ. MANAGER:	MTF
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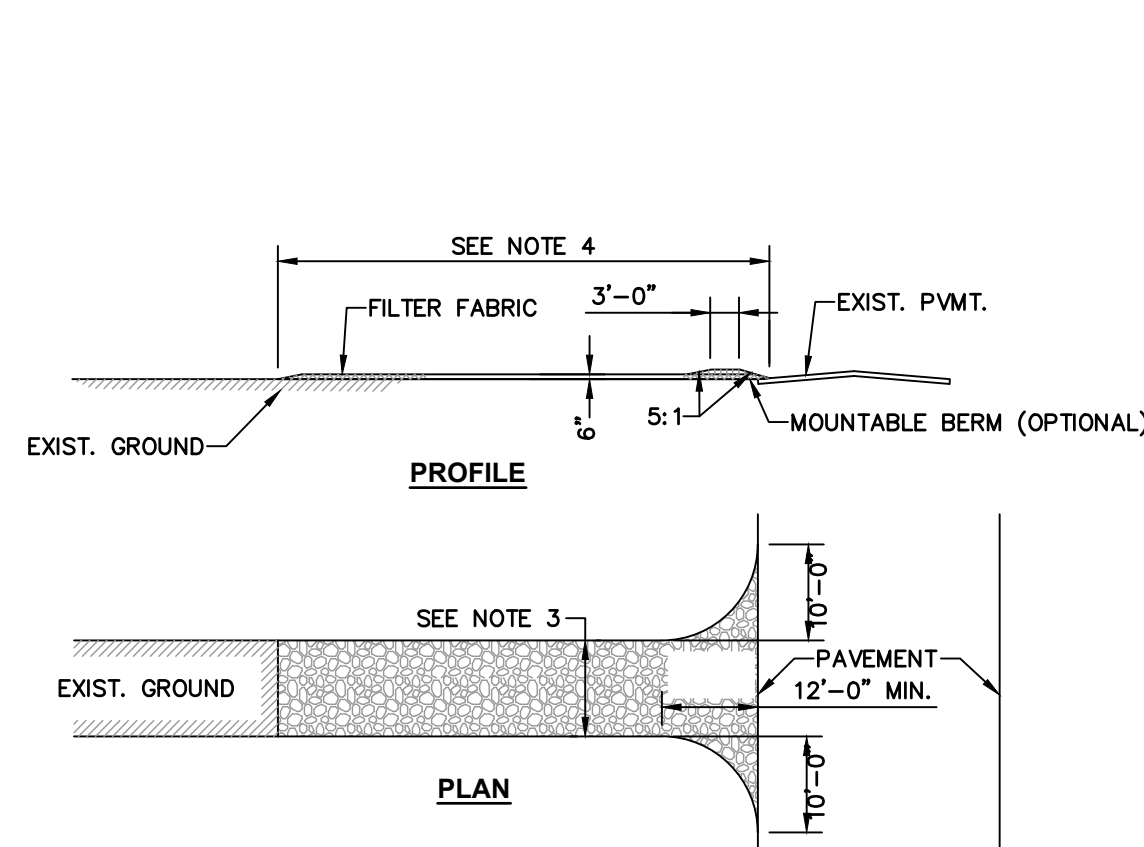
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FACILITY RENOVATIONS PHASE II  
**DETAILS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

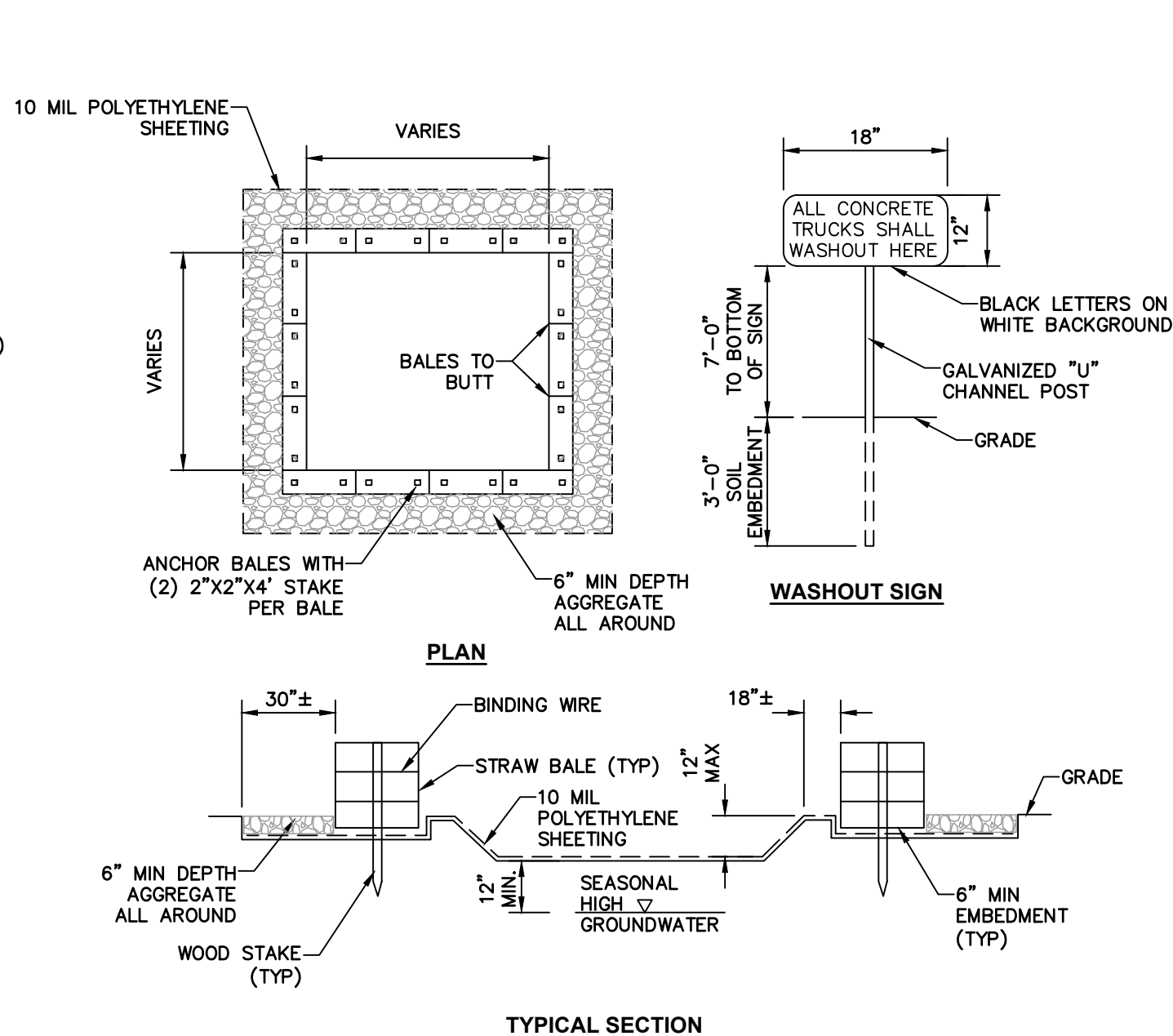
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CONTRACT No.:	RFB-DCB-04-24
MJ PROJ. No.:	1636.01
DATE:	2/5/2024
<b>C-500</b>	





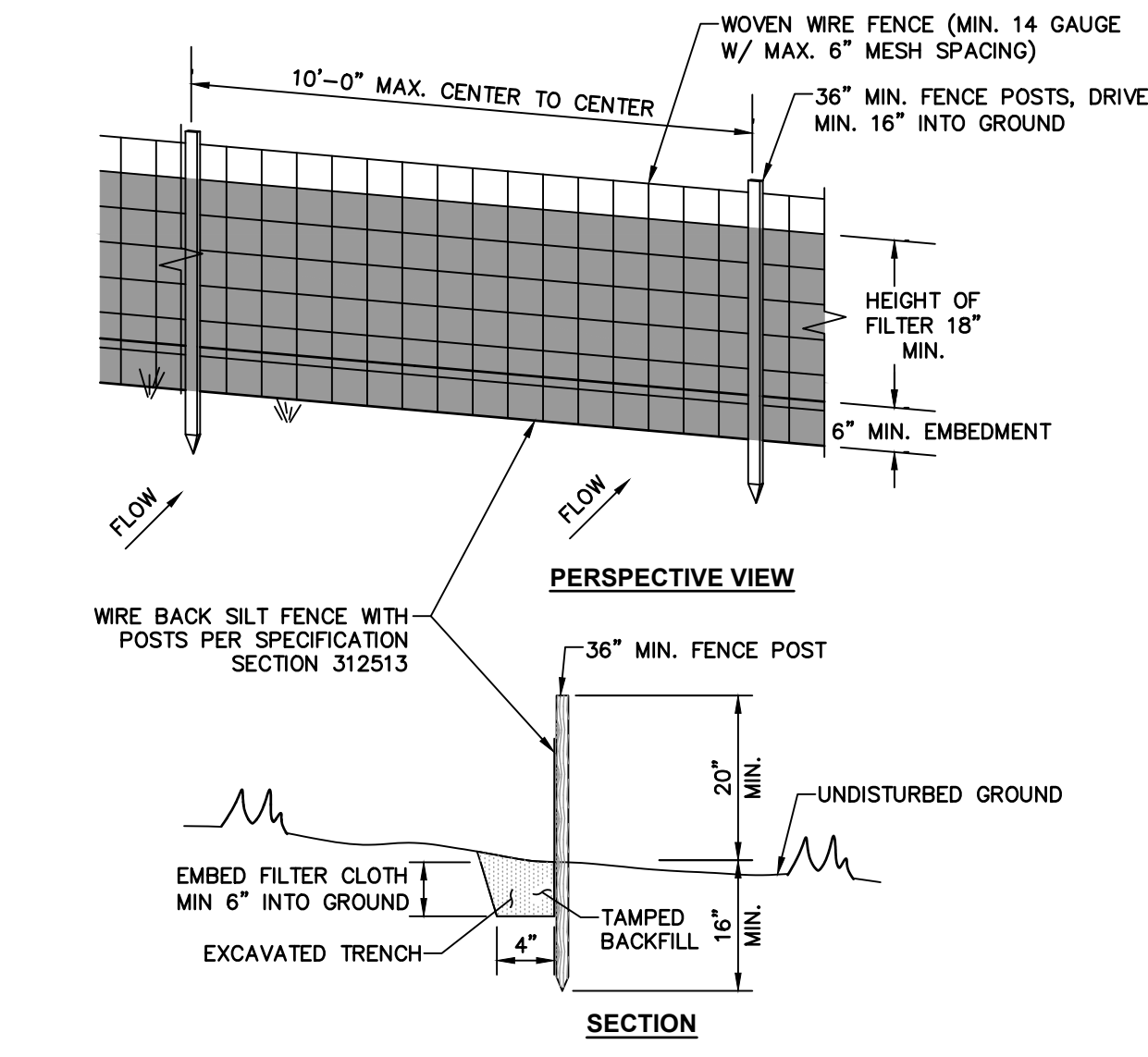
- CONSTRUCTION ENTRANCE SPECIFICATIONS:**
- STONE SIZE - USE MIN 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - THICKNESS - NOT LESS THAN 6".
  - WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS, 24' IF SINGLE ENTRANCE TO SITE.
  - LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  - FILTER FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**1 STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: NTS



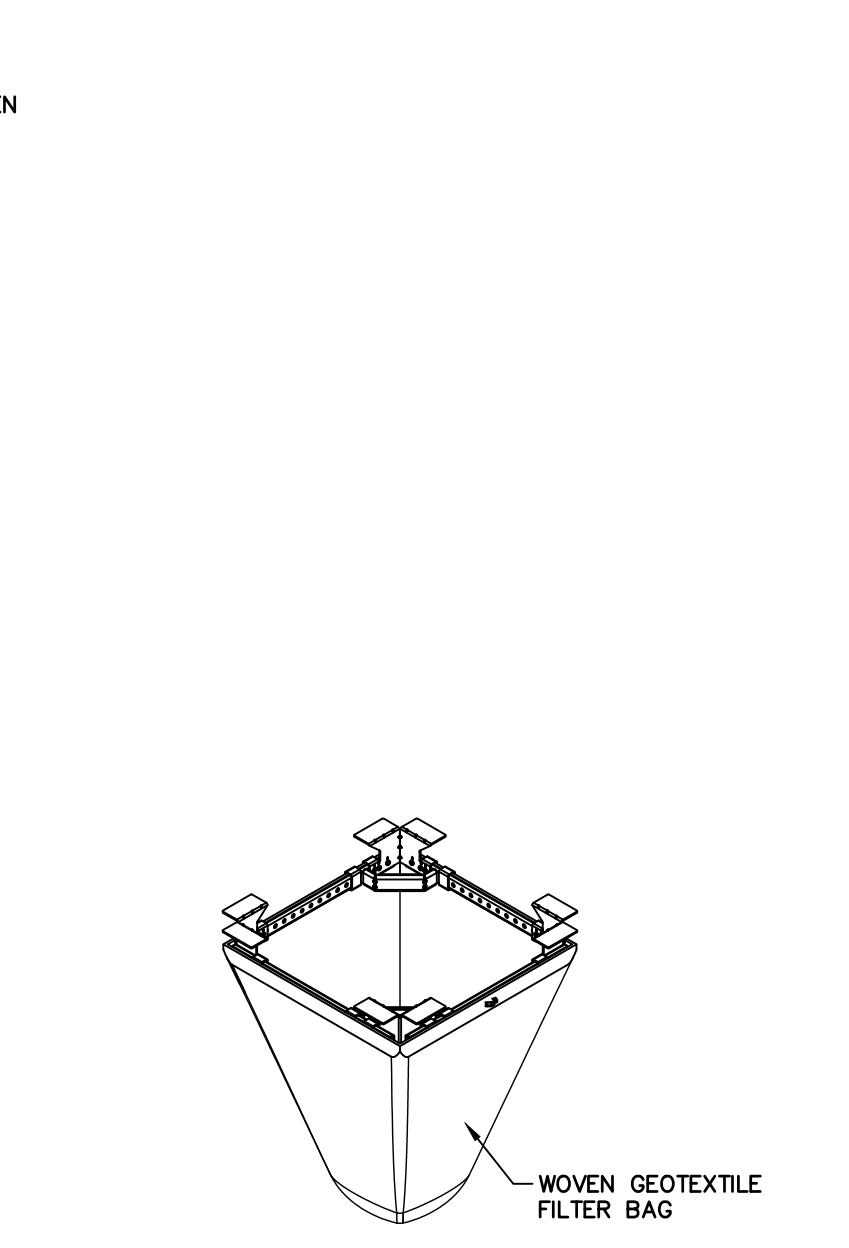
- NOTES:**
- CONTAINMENT MUST BE STRUCTURALLY SOUND, LEAK FREE AND CONTAIN ALL LIQUID WASTES.
  - CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTE GENERATED.
  - WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
  - WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
  - ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
  - WASHOUT SIGN SHALL BE PLACED IN A PROMINENT LOCATION AT WASHOUT AREA
  - REMOVE ACCUMULATION OF SAND AND AGGREGATE AT A MINIMUM OF ONCE A WEEK AND DISPOSE OF PROPERLY.

**2 CONCRETE WASHOUT AREA**  
SCALE: NTS



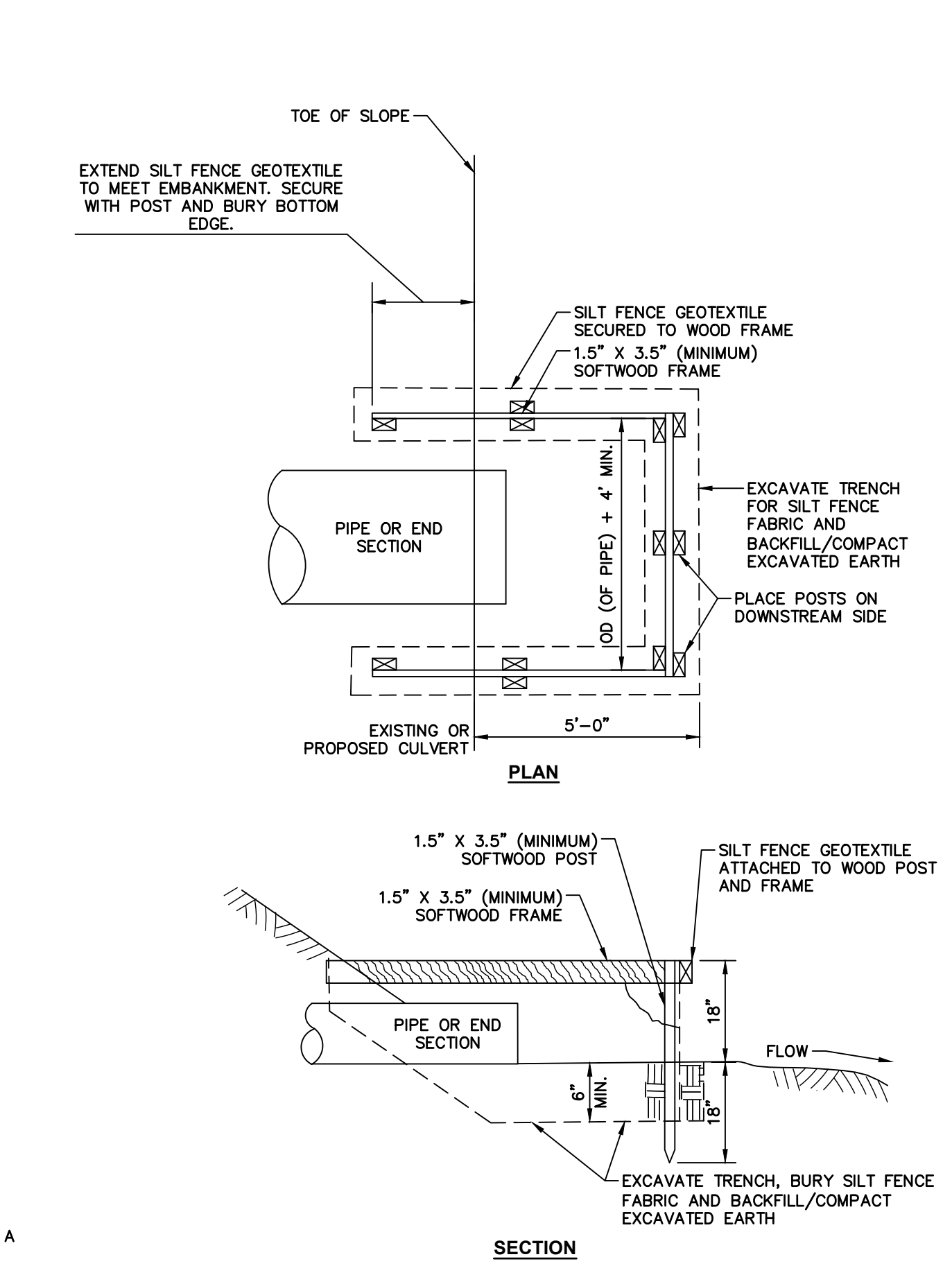
- NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX. MESH OPENING.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
  - MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100' OF FENCE.
  - SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
  - SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.

**3 WIRE BACK SILT FENCE INSTALLATION**  
SCALE: NTS

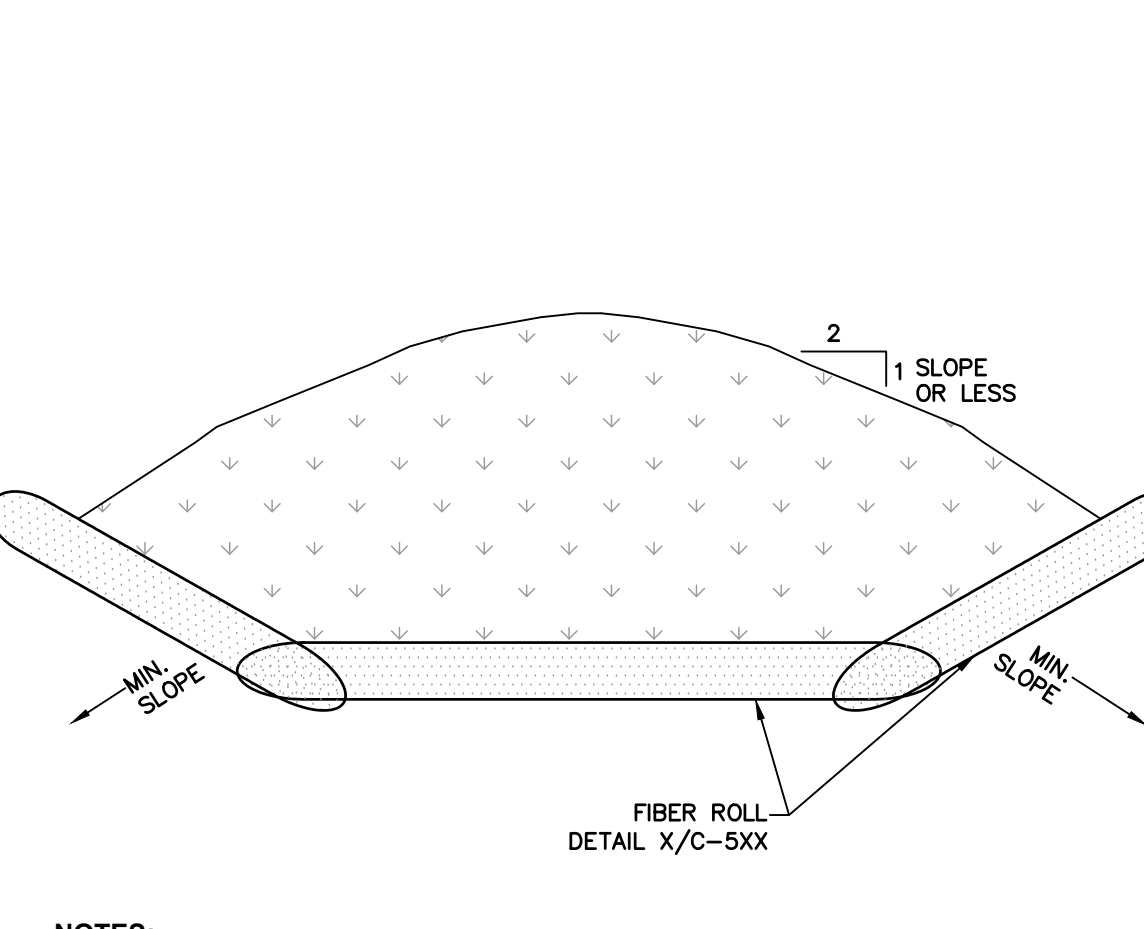


- NOTES:**
- BASIS OF DESIGN: ADS "FLEXSTORM CATCH-IT" OR APPROVED EQUAL.
  - INSPECTION FILTER AFTER RAIN EVENTS GREATER THAN 1/2" AND AT A MINIMUM OF THREE MONTH INTERVALS.

**4 TEMPORARY INLET FILTER**  
SCALE: N.T.S.

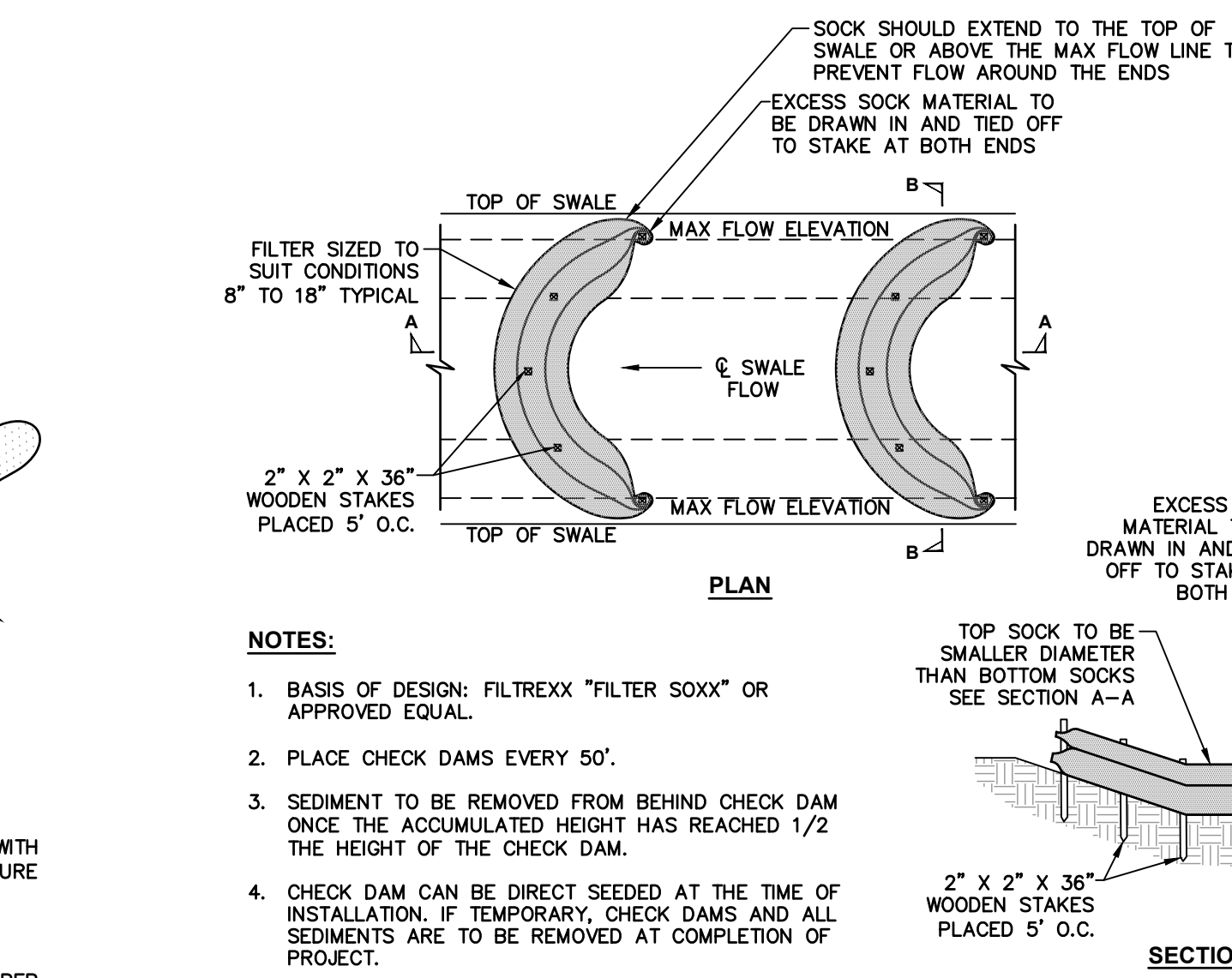


**5 TEMPORARY INLET PROTECTION**  
SCALE: NTS



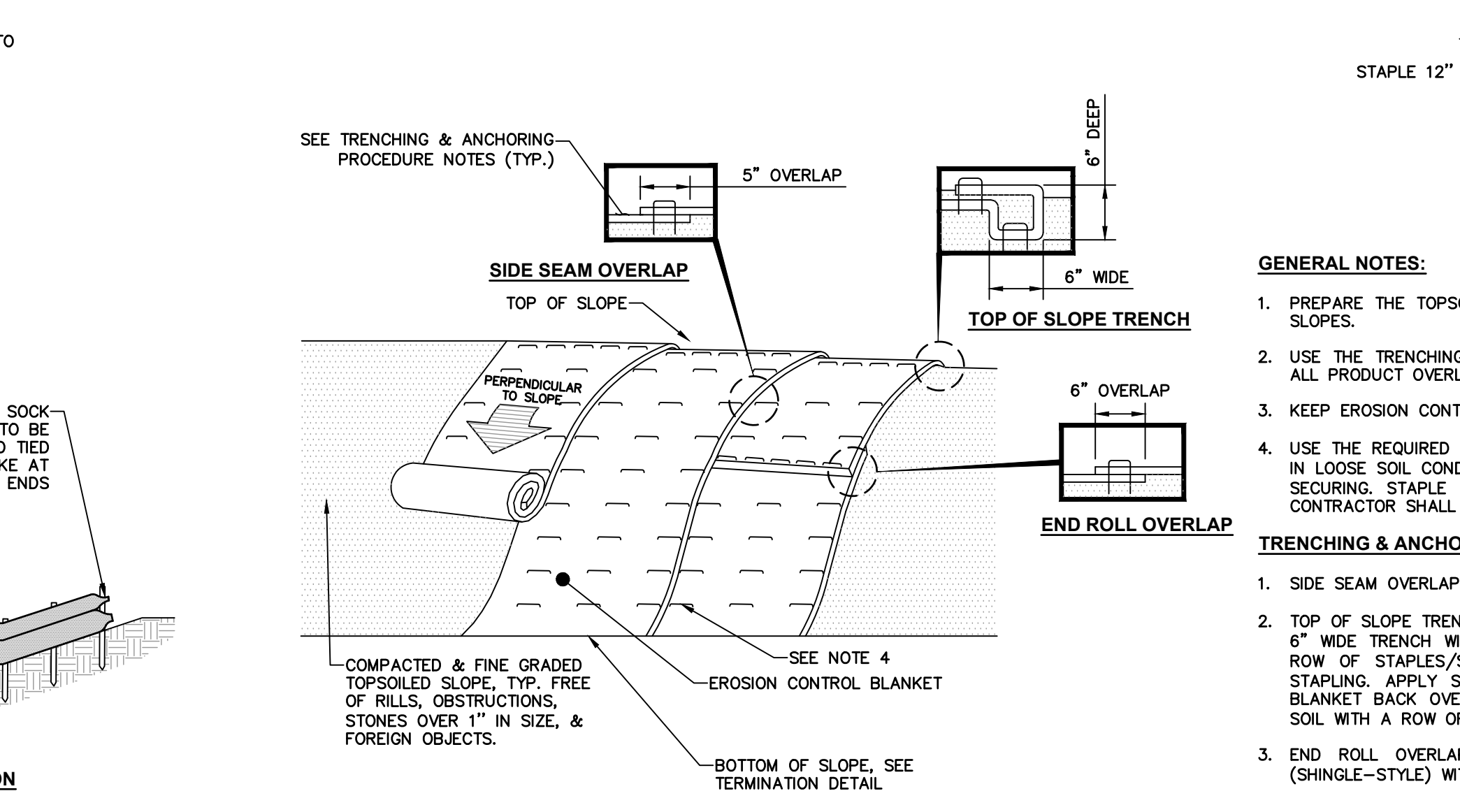
- NOTES:**
- STOCKPILING IS ONLY PERMITTED IN THE DESIGNATED STAGING AREA. COORDINATE WITH DIRECTOR'S REPRESENTATIVE. STORED MATERIAL IS NOT PERMITTED INSIDE THE SECURE FENCED PERIMETER.
  - MAXIMUM SLOPE OF STOCKPILE SHALL BE 2 HORIZ ON 1 VERT.
  - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH FIBER ROLLS, THEN STABILIZED WITH VEGETATION OR COVERED.

**6 TEMPORARY SOIL STOCKPILE**  
SCALE: NTS



- NOTES:**
- BASIS OF DESIGN: FILTREXX "FILTER SOXX" OR APPROVED EQUAL.
  - PLACE CHECK DAMS EVERY 50'.
  - SEDIMENT TO BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
  - CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION. IF TEMPORARY CHECK DAMS AND ALL SEDIMENTS ARE TO BE REMOVED AT COMPLETION OF PROJECT.

**7 TEMPORARY PRE-FABRICATED CHECK DAM**  
SCALE: NTS

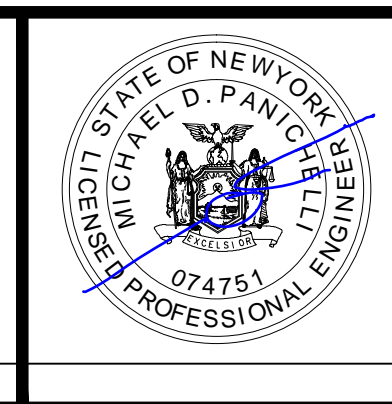


**8 EROSION CONTROL BLANKET INSTALLATION**  
SCALE: NTS

- GENERAL NOTES:**
- PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
  - USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS. OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.
  - KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
  - USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6" MAY BE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.
- TRENCHING & ANCHORING PROCEDURE NOTES:**
- SIDE SEAM OVERLAP - THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.
  - TOP OF SLOPE TRENCH - BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION CONTROL BLANKET IN A 6" DEEP x 6" WIDE TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.
  - END ROLL OVERLAP - CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SHINGLE-STYLE) WITH A 6" OVERLAP. STAPLE THRU OVERLAPPED AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

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DRAWN BY:	AJW
CHECKED BY:	JMB

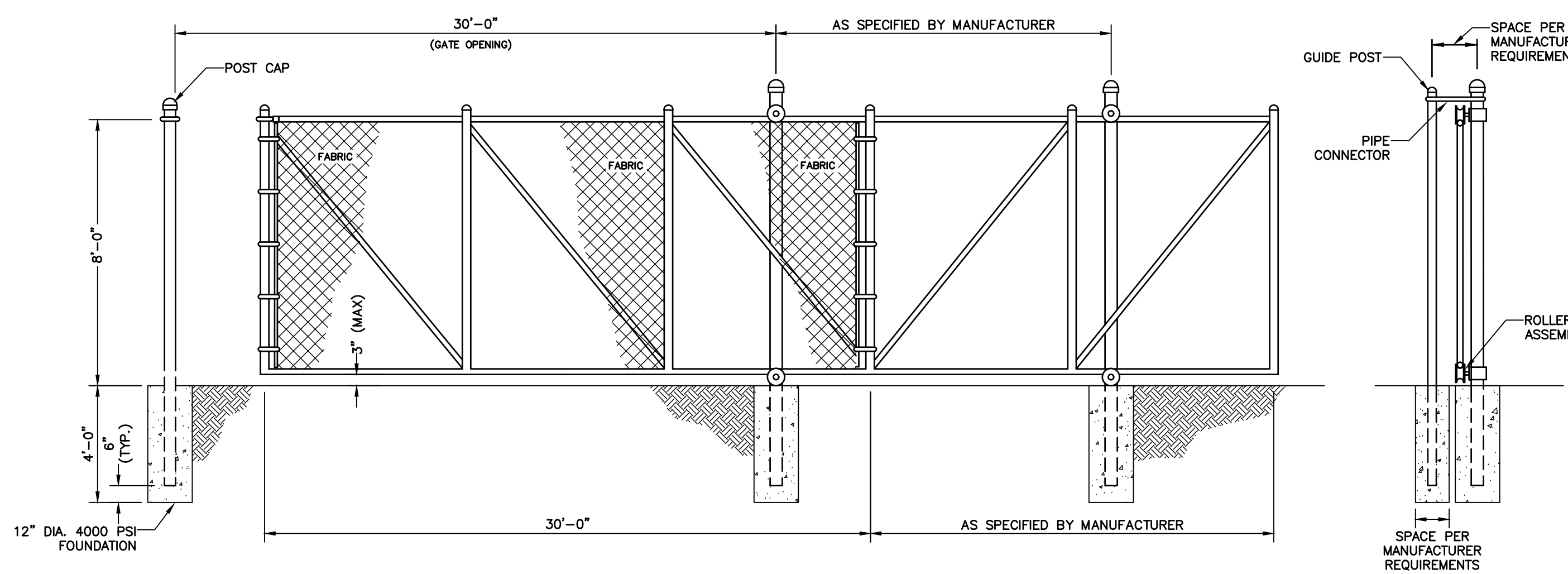


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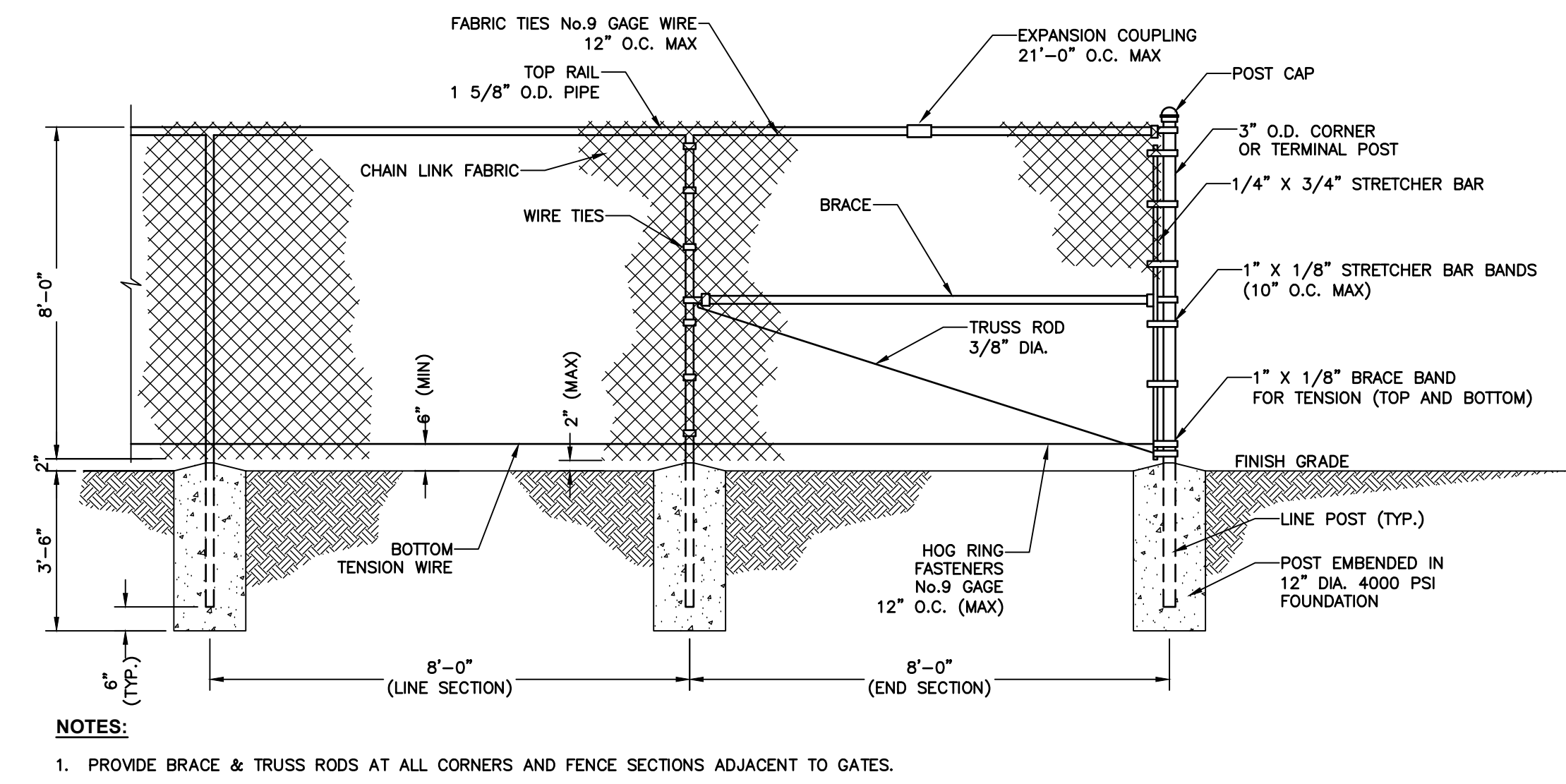


FACILITY RENOVATIONS PHASE II  
**DETAILS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

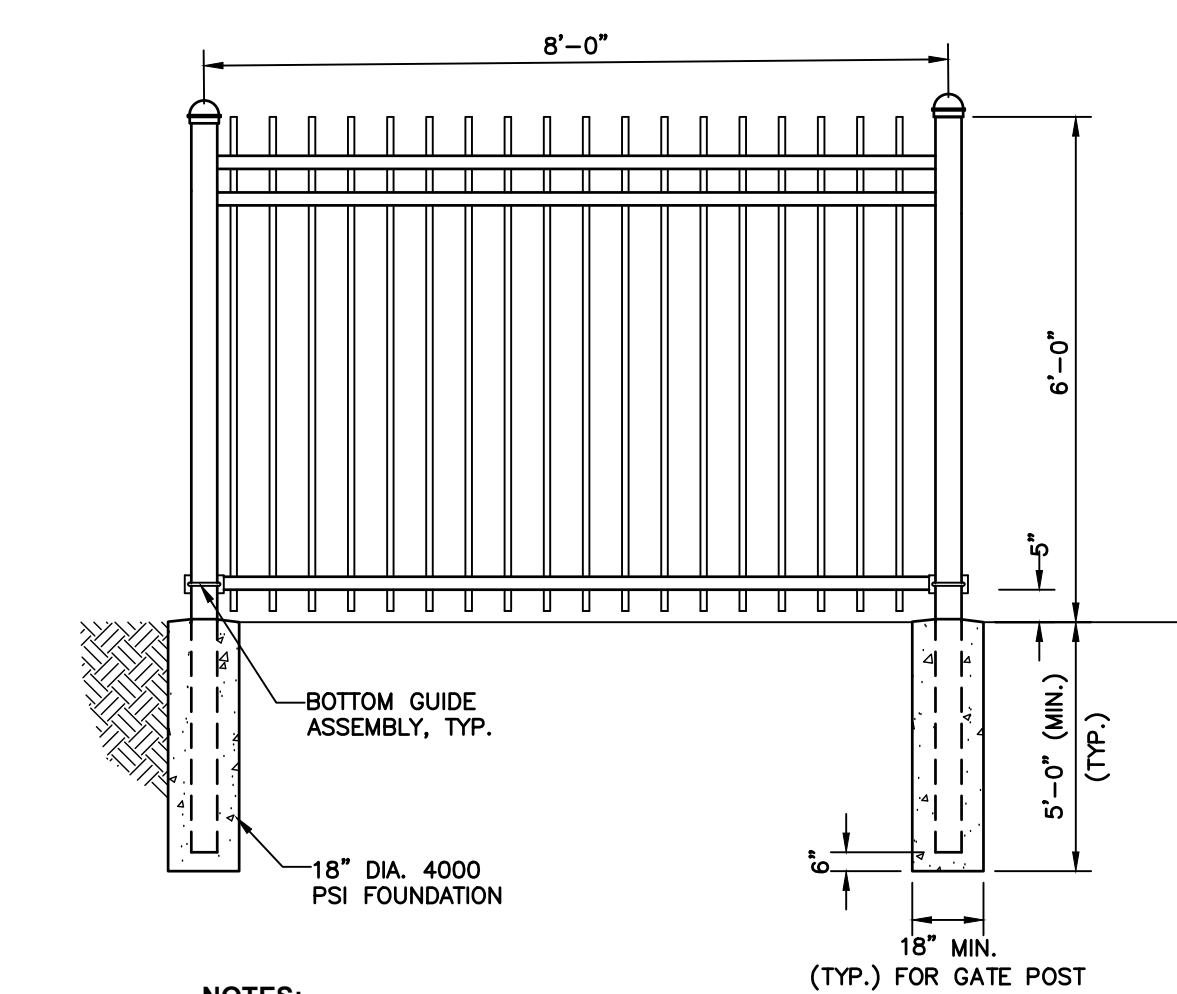
SCALE:	
CONTRACT No.:	RFB-DCB-04-24
MJ PROJ. No.:	1636.01
DATE:	2/5/2024
<b>C-501</b>	



**1 SINGLE WHEEL SUPPORTED SLIDE GATE**  
SCALE: N.T.S.

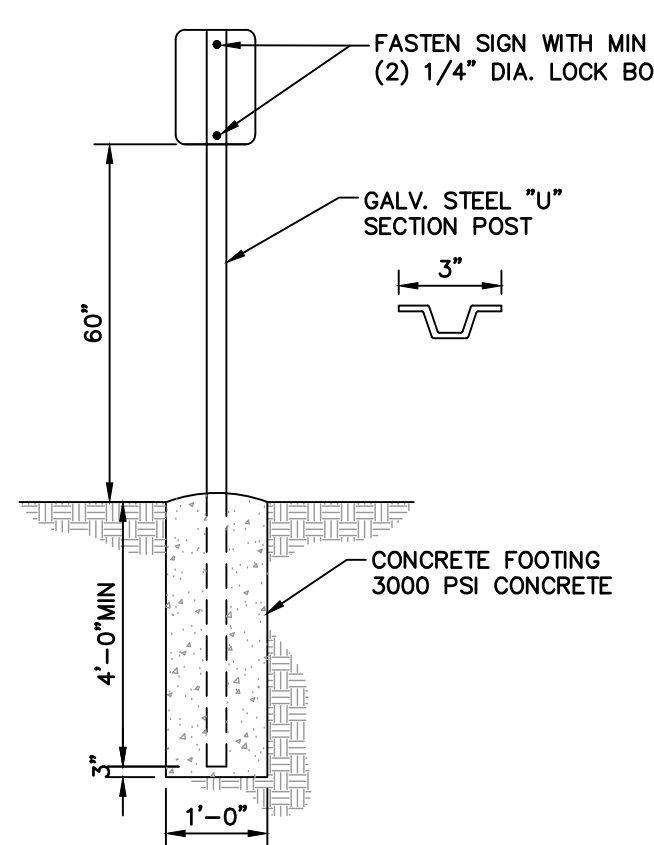


**2 CHAIN LINK FENCE**  
SCALE: N.T.S.



**NOTES:**  
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COMPONENTS OF CONSTRUCTION TO MATCH THE EXISTING ORNAMENTAL FENCE IN PLACE.

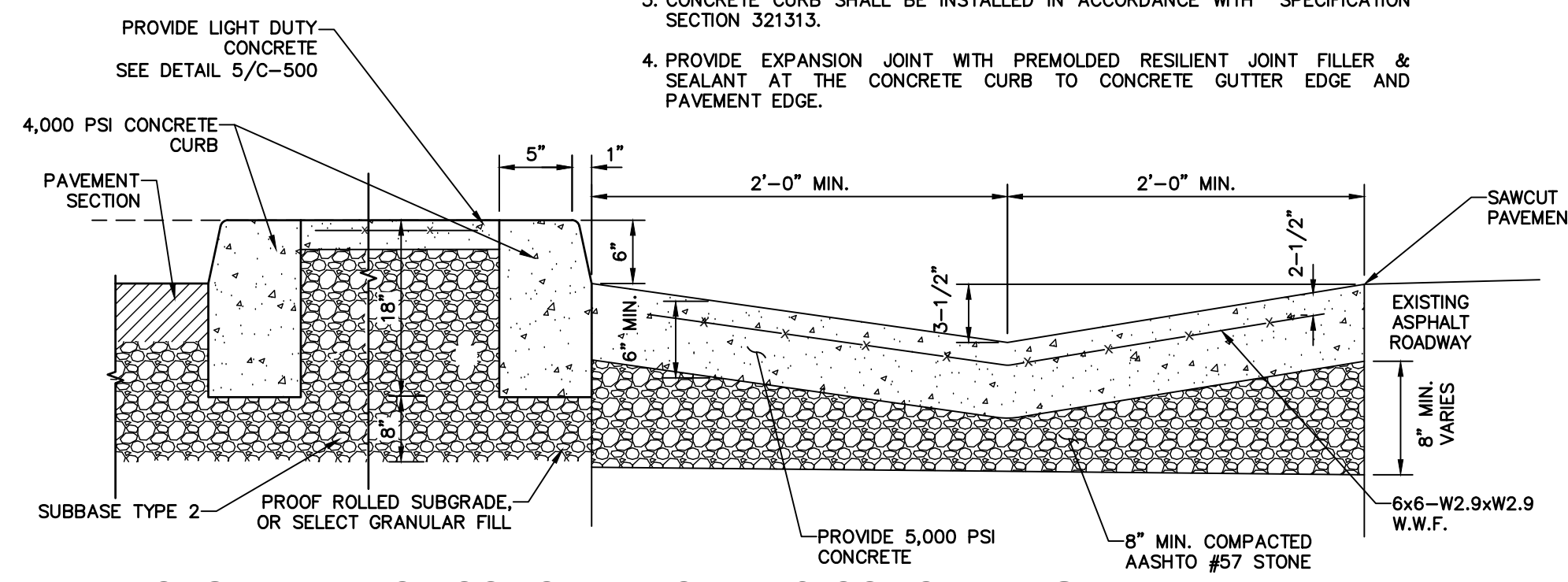
**3 ORNAMENTAL FENCE**  
SCALE: N.T.S.



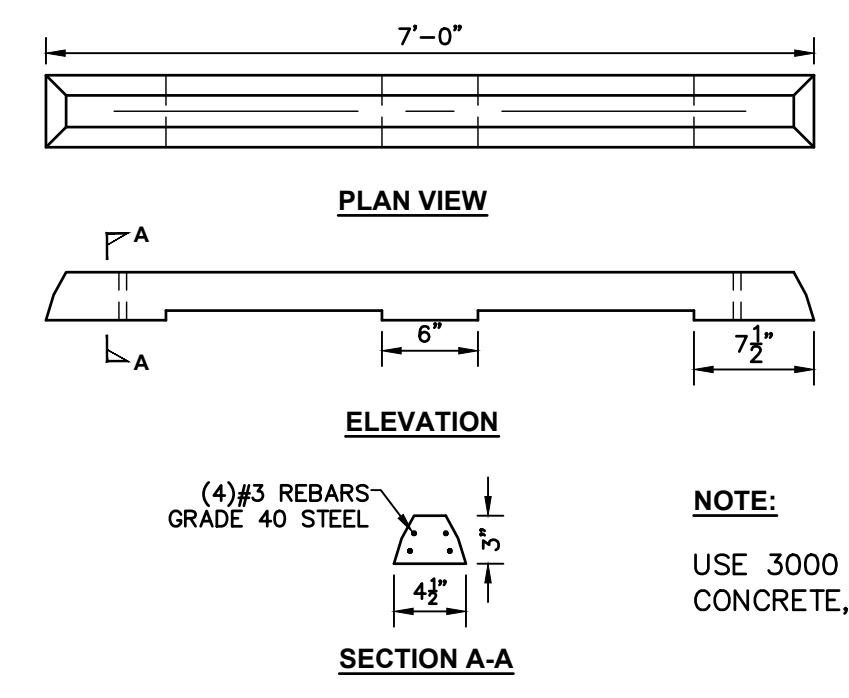
**4 SINGLE POST IN CONCRETE SIGN MOUNTING**  
SCALE: N.T.S.

PARKING SIGNAGE				
SIGN NO.	SIGN	M.U.T.C.D.	SIZE	COLOR
1		R6-2	24"x36"	BLACK ON WHITE
2		R5-1	36"x36"	RED ON WHITE
3		OM4-3-R	18"x18"	RED

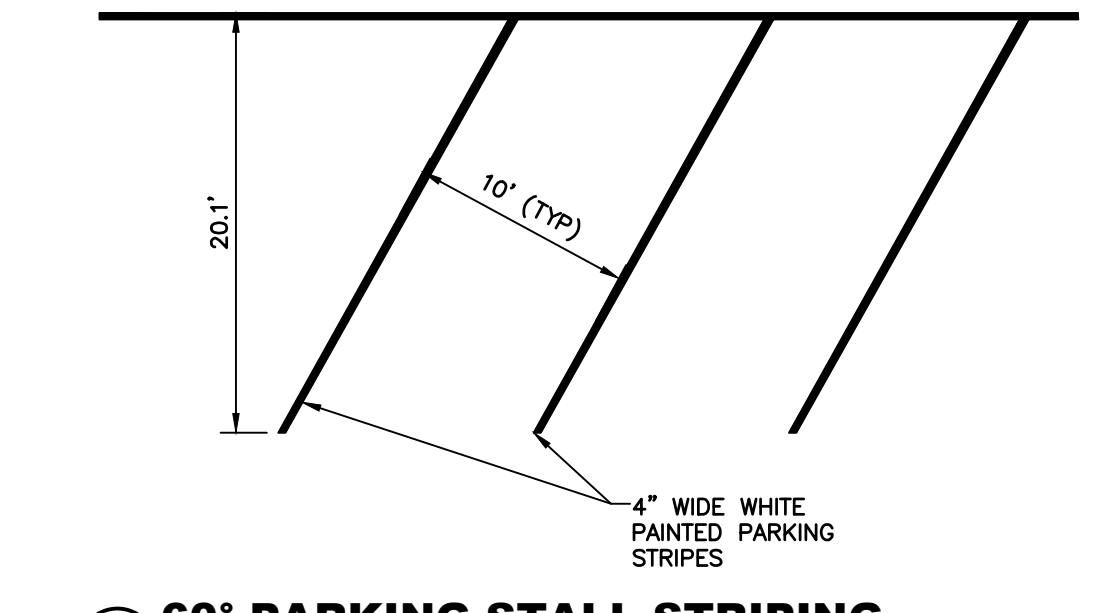
**NOTES:**  
1. CONSTRUCTION JOINTS 10' O.C. MAX FOR CONCRETE CURB. PROVIDE CONSTRUCTION JOINTS FOR CONCRETE GUTTER AT 5' O.C. MAX.  
2. EXPANSION JOINTS 100' O.C. MAX FOR CONCRETE CURB. PROVIDE EXPANSION JOINTS FOR CONCRETE GUTTER AT 20' O.C. MAX.  
3. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 321313.  
4. PROVIDE EXPANSION JOINT WITH PREMOLDED RESILIENT JOINT FILLER & SEALANT AT THE CONCRETE CURB TO CONCRETE GUTTER EDGE AND PAVEMENT EDGE.



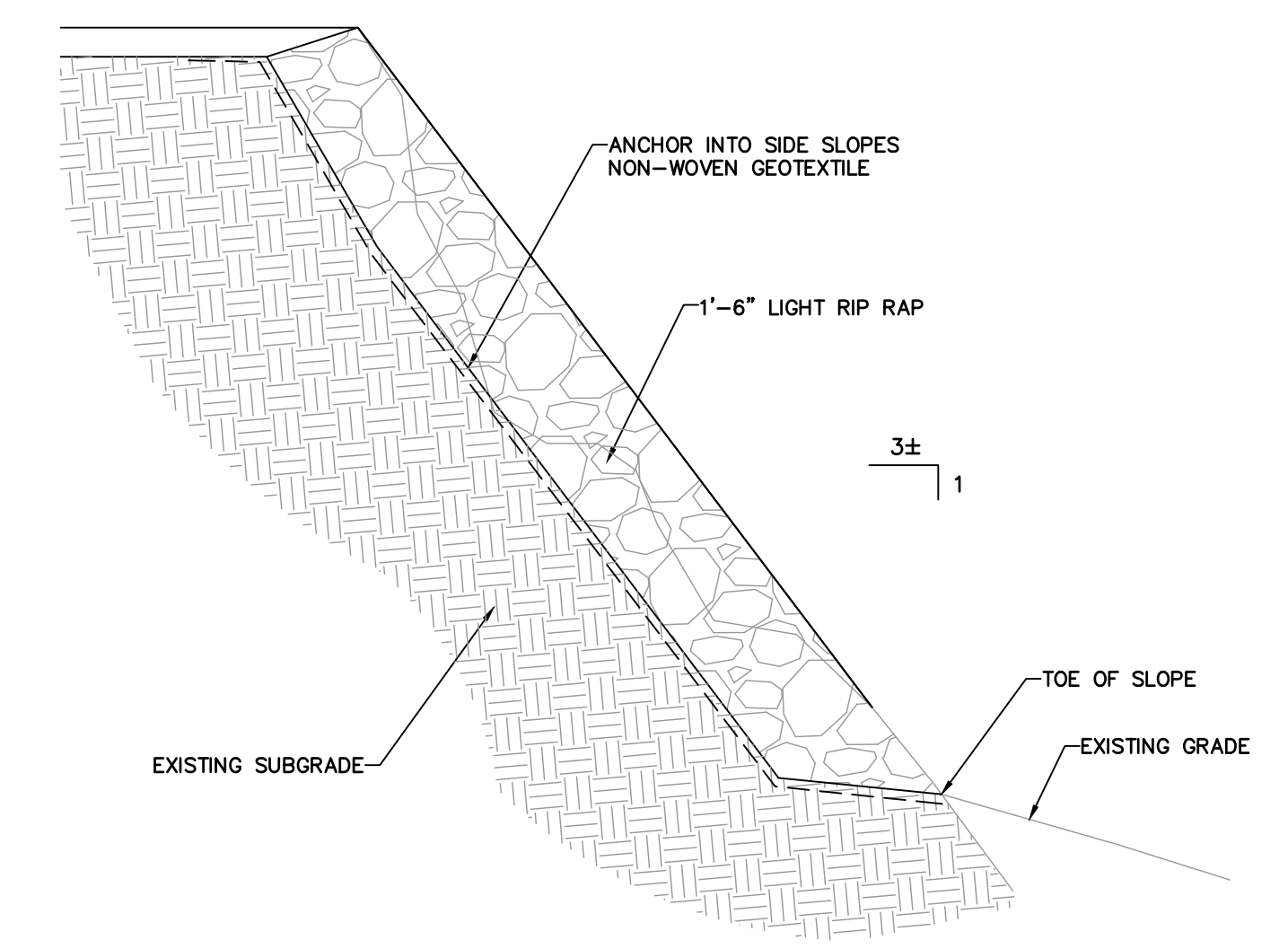
**6 CAST-IN-PLACE CONCRETE CURB & CONCRETE GUTTER DETAIL**  
SCALE: N.T.S.



**7 CONCRETE WHEEL STOP**  
SCALE: N.T.S.



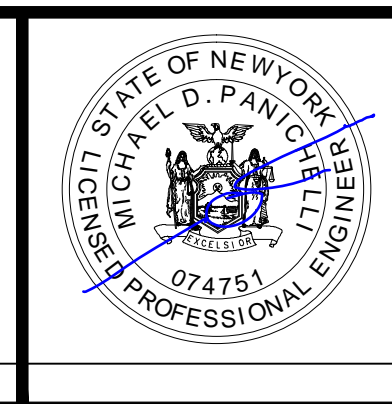
**5 60° PARKING STALL STRIPING**  
SCALE: N.T.S.



**8 RIPRAP STABILIZATION**  
SCALE: N.T.S.

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	AJW	J. BIANCHI

PROJ. MANAGER: MTF  
CHIEF DESIGNER: AJW  
DESIGNED BY: AJW  
DRAWN BY: AJW  
CHECKED BY: JMB



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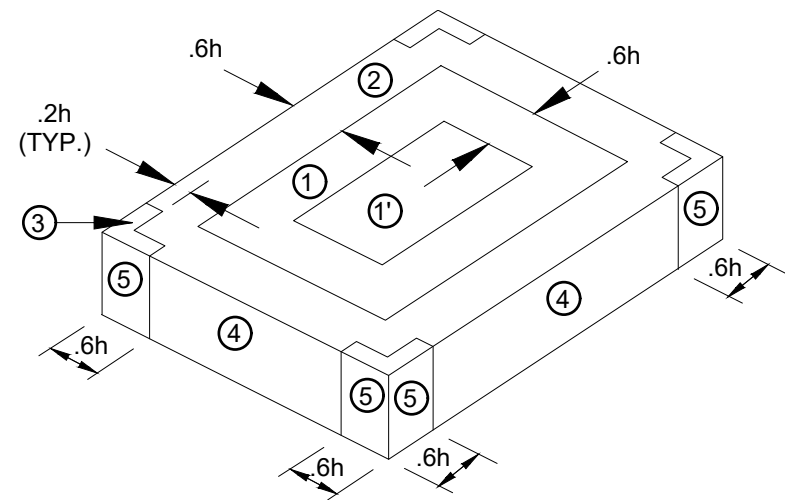


FACILITY RENOVATIONS PHASE II  
**DETAILS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE:  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**C-502**

**GENERAL NOTES:**

- REFER TO THE PROJECT MANUAL FOR GOVERNING JOB REQUIREMENTS AND MATERIAL SPECIFICATIONS. THE FOLLOWING NOTES ARE SUPPLEMENTAL TO THE ABOVE REQUIREMENTS.
- ALL DIMENSIONS TO, OF, AND IN EXISTING STRUCTURES SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE DIRECTOR'S REPRESENTATIVE.
- DO NOT CHANGE THE SIZE NOR SPACING OF STRUCTURAL ELEMENTS WITHOUT THE APPROVAL OF THE DIRECTOR'S REPRESENTATIVE.
- DETAILS SHOWN ARE TYPICAL AND APPLY TO SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- BRACE BUILDING AS REQUIRED FOR CONSTRUCTION AND WIND LOADS UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: ROOF DECK AND MASONRY SHEAR WALLS.
- THE DESIGN IS BASED ON THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS).
- DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE EXISTING UTILITIES.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE DIRECTOR'S REPRESENTATIVE PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE THE CONTRACTOR'S ENGINEER TO SUBMIT A STAMPED AND SIGNED CORRECTIVE ACTION PLAN FOR DIRECTOR'S REPRESENTATIVE'S APPROVAL.
- COOPERATE WITH THE DIRECTOR'S REPRESENTATIVE, AND COORDINATE WORK WITH THE WORK OF OTHERS.



**1 COMPONENTS AND CLADDING WIND LOADING ZONE DIAGRAM**  
SCALE: N.T.S.

STRUCTURAL DESIGN CRITERIA		ABBREVIATION
<b>APPLICABLE CODES</b>		BCNYS
<ul style="list-style-type: none"> <li>2020 BUILDING CODE OF NEW YORK STATE</li> <li>2016 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16)</li> </ul>		ASCE
SECTION	DESCRIPTION	REQUIRED
1606	<b>FLOOR DEAD LOADS</b>	
	NOT APPLICABLE	
1606	<b>ROOF DEAD LOADS</b>	
	RIGID INSULATION	9 PSF
	EPDM	1 PSF
	20 GA. METAL ROOF DECK	2 PSF
	MEP ALLOWANCE	7 PSF
	22K11 JOISTS AT 3'-8" O.C.	3.5 PSF
1607	<b>FLOOR LIVE LOADS</b>	
	LIGHT STORAGE	125 PSF
1607	<b>ROOF LIVE LOAD</b>	
	UNIFORM	20 PSF
1608	<b>ROOF SNOW LOAD DATA</b>	
	GROUND SNOW LOAD, $p_g$	40 PSF
	FLAT-ROOF SNOW LOAD, $p_f$	28 psf
	SNOW EXPOSURE FACTOR, $C_e$	1.0
	SNOW LOAD IMPORTANCE FACTOR, $I_s$	1.0
	THERMAL FACTOR, $C_t$	1.0
	SLOPE FACTOR, $C_s$	1.0
	DRIFT SURCHARGE LOAD, $p_d$	30 PSF
	WIDTH OF SNOW DRIFT, $w$	6 FT
1609	<b>WIND DESIGN DATA</b>	
	BASIC DESIGN WIND SPEED, $V$	115 MPH
	ALLOWABLE STRESS DESIGN WIND SPEED, $V_{asd}$	90 MPH
	RISK CATEGORY	II
	WIND EXPOSURE	B
	APPLICABLE INTERNAL PRESSURE COEFFICIENT	+/- 0.18
	DESIGN WIND PRESSURES COMPONENTS AND CLADDING (ULTIMATE)	
	ROOF ( $A_e = 10$ SF):	
	ZONE 1, FIELD	8.7 PSF / -34.1 PSF
	ZONE 1', FIELD	8.7 PSF / -19.6 PSF
	ZONE 2, EDGE	8.7 PSF / -45.1 PSF
	ZONE 3, CORNER	8.7 PSF / -61.4 PSF
	WALLS ( $A_e = 10$ SF):	
	ZONE 4, FIELD	21.4 PSF / -23.2 PSF
	ZONE 5, CORNER	21.4 PSF / -28.7 PSF
1610	<b>GEOTECHNICAL INFORMATION</b>	
	NET ALLOWABLE	3,000 PSF
1611	<b>ROOF RAIN LOADS</b>	
	INTENSITY	5.92 IN./HR.
1612	<b>FLOOD DESIGN DATA</b>	
	NOT APPLICABLE	
1613	<b>EARTHQUAKE DESIGN DATA</b>	
	SEISMIC IMPORTANCE FACTOR, $I_e$	1.0
	MAPPED SPECTRAL RESPONSE ACCELERATION FACTORS:	
	$S_s$	0.194 g
	$S_1$	0.054 g
	SITE CLASS	C
	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
	$S_{DS}$	0.207 g
	$S_{D1}$	0.087 g
	SEISMIC DESIGN CATEGORY	B
	BASIC SEISMIC FORCE-RESISTING SYSTEM	ORDINARY REINFORCED MASONRY SHEAR WALL
	DESIGN BASE SHEAR	2.2 KIPS
	SEISMIC RESPONSE COEFFICIENT, $C_s$	.103
	RESPONSE MODIFICATION COEFFICIENT, R	2.0
	ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE PROCEDURE

**EARTHWORK NOTES:**

- FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 3,000 PSF PER GEOTECHNICAL REPORT PREPARED BY ATLANTIC TESTING LABORATORIES, DATED JANUARY 18, 2024.
- EARTHWORK PROCEDURES SHALL FOLLOW THE ABOVE REFERENCED GEOTECHNICAL REPORT, WHICH IS APPENDED TO THE PROJECT MANUAL.
- BEARING STRATUM SHALL BE FIELD VERIFIED BY DIRECTOR'S REPRESENTATIVE PRIOR TO PLACEMENT OF ANY FILL.
- PROVIDE STRUCTURAL FILL AND SUBBASE MATERIALS PER SPECIFICATION # 312000.
- COMPACTION
  - PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY EQUIPMENT, AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
  - PLACE BACKFILL AND FILL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES REQUIRED ELEVATIONS. PLACE BACKFILL AND FILL UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE.
  - COMPACT THE TOP 12" BELOW SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AND THE SUBBASE TO A MINIMUM OF 95 PERCENT MAXIMUM DRY DENSITY ACCORDING TO ASTM D1557.
  - NO BACKFILLING OR COMPACTION SHALL TAKE PLACE AGAINST ANY CAST-IN-PLACE CONCRETE FOOTINGS OR SLABS PRIOR TO 7 DAYS INITIAL CONCRETE SET, OR AGAINST ANY CAST-IN-PLACE CONCRETE WALLS PRIOR TO ACHIEVING 75% COMPRESSIVE STRENGTH, 0.75 F'C.
  - HEAVY EQUIPMENT SHALL NOT BE OPERATED WITHIN 4' OF ANY STRUCTURE. HEAVY VIBRATORY COMPACTORS SHALL NOT BE OPERATED WITHIN 4' OF ANY STRUCTURE.
  - COMPACTION TESTING SHALL BE PERFORMED TO ASCERTAIN THE COMPACTED DENSITY OF THE FILL AND BACKFILL MATERIALS IN ACCORDANCE WITH THE FOLLOWING METHODS:
    - IN-PLACE OF RELATIVE DENSITY:
    - METHOD: ASTM D6938
- NUMBER OF TESTS: ONE (1) PER 8" VERTICAL LIFT
  - THE DIRECTOR'S REPRESENTATIVE MAY DIRECT ADDITIONAL TESTS TO ESTABLISH GRADATION, MAXIMUM DENSITY, AND IN-PLACE DENSITY AS REQUIRED BY WORKING CONDITIONS, AT NO COST TO THE CLIENT.
  - ACCEPTANCE CRITERIA: THE SOLE CRITERION FOR ACCEPTABILITY OF IN-PLACE FILL SHALL BE IN SITU DRY DENSITY. MINIMUM DRY DENSITY FOR ALL FILL OR BACKFILL SHALL BE 95 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. IF A TEST FAILS TO QUALIFY, THE FILL SHALL BE FURTHER COMPACTED AND RE-TESTED. SUBSEQUENT TEST FAILURES SHALL BE FOLLOWED BY REMOVAL AND REPLACEMENT OF THE MATERIAL.

**FOUNDATION NOTES:**

- BEAR ALL FOOTINGS ON CONTROLLED COMPACTED NYSDOT NO. 2 STONE SUBBASE.
- FOOTINGS HAVE BEEN DESIGNED FOR A SOIL BEARING PRESSURE AS INDICATED IN THE STRUCTURAL DESIGN CRITERIA. BEARING STRATUM FOR THIS CAPACITY SHALL BE VERIFIED IN FIELD BY DIRECTOR'S REPRESENTATIVE BEFORE PLACING CONCRETE FOOTINGS.
- SOIL BEARING SURFACES, PREVIOUSLY ACCEPTED BY DIRECTOR'S REPRESENTATIVE, WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN, OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF DIRECTOR'S REPRESENTATIVE.
- DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND. DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE.
- CENTER FOOTINGS UNDER WALLS UNLESS NOTED OTHERWISE.

**SLAB-ON-GRADE NOTES:**

- SUBGRADE BELOW SLAB-ON-GRADE SHALL BE REVIEWED AND ACCEPTED BY DIRECTOR'S REPRESENTATIVE BEFORE CONCRETE SLAB PLACEMENT.
- INTERRUPT TEMPERATURE & SHRINKAGE REINFORCEMENT IN SLAB-ON-GRADE THRU CONTROL JOINTS.
- ALL SLABS-ON-GRADE SHALL BEAR ON A BASE COURSE OF CLEAN, CONTROLLED, COMPACTED CRUSHED STONE A MINIMUM OF 12" THICK. THE CRUSHED STONE SHALL NYSDOT NO. 2 STONE SUBBASE.

**CONCRETE MASONRY UNIT (CMU) WALL NOTES:**

- IF THERE ARE ANY CONFLICTS BETWEEN THE WRITTEN SPECIFICATIONS AND THESE NOTES, THESE NOTES SHALL GOVERN.
- MORTAR SHALL CONFORM TO TABLE 1 OF ASTM C270, TYPE S. THE MORTAR MIX DESIGN (BY VOLUME) SHALL BE SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 NORMAL WEIGHT SPECIFICATIONS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,800 PSI. THE SPECIFIED COMPRESSIVE STRENGTH,  $F_m$ , IS 2,000 PSI.
- COARSE CONCRETE GROUT SHALL CONFORM TO TABLE 1 OF ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A SLUMP OF 8 TO 11 INCHES. GROUT MAY BE EITHER READY MIXED OR JOB MIXED. THE GROUT MIX DESIGN (BY VOLUME) SHALL BE SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS.
- WHEN MIXING MORTAR AND GROUT, CONTAINERS OF KNOWN VOLUME SHALL BE USED. MEASUREMENT USING SHOVELS SHALL NOT BE ALLOWED. FOR GROUT, THE SAND AND PEA GRAVEL SHALL BE TAKEN FROM SEPARATE PILES, NOT FROM A PRE-BLENDED PILE. IF MEASUREMENT BY SHOVELING OR USE OF A PRE-BLENDED PILE IS DISCOVERED, THE ENGINEER MAY REQUIRE ALL WALLS BUILT SO FAR TO BE TESTED PER ASTM C 1314 BY CUTTING 3 MASONRY PRISMS AND 3 GROUT CORES OUT OF THE WALL FOR EVERY 5,000 SQUARE FEET OF WALL, AND MAY REQUIRE ANY AREA OF WALL TESTING BELOW 2,000 PSI TO BE REPLACED AT NO COST TO THE OWNER.
- AN INDEPENDENT LABORATORY SHALL VISIT THE SITE TO OBSERVE MASONRY CONSTRUCTION ON THE FIRST DAY OF MASONRY WORK AND FOR EVERY 5,000 SF OF WALL (OR LESS) THEREAFTER. DURING EACH VISIT, THE LABORATORY SHALL VERIFY:
  - PROPORTIONS OF MORTAR AND GROUT MIXING
  - REBAR AND JOINT REINFORCEMENT SIZES AND LOCATIONS
  - PROPER GROUT PLACEMENT AT REBAR
  - HEADJOINTS ARE FULLY MORTARED
  - CONTROL JOINTS ARE REINFORCED AND FULLY MORTARED
  - PROPER COLD AND HOT WEATHER PROCEDURES USED
- ALL 8" CMU WALLS SHALL BE REINFORCED VERTICALLY WITH #5 BARS, AT 4 FEET ON CENTER, AND HORIZONTALLY WITH STANDARD TRUSS TYPE DUR-O-WALL, AT 16 INCHES ON CENTER. HORIZONTAL BOND BEAMS SHALL BE REINFORCED WITH 2 #5 BARS. VERTICAL REINFORCEMENT SHALL EXTEND TO THE TOP OF ALL PARAPETS. PROVIDE REINFORCEMENT BARS ALL AROUND ALL OPENINGS, EXTENDING 2 FEET PAST EACH CORNER OF EACH OPENING. REFER TO THE LINTEL SCHEDULE FOR ADDITIONAL REINFORCEMENT. ALL TOP COURSES SHALL HAVE A HORIZONTAL BOND BEAM. ALL REINFORCEMENT BARS IN CMU WALLS SHALL BE PROVIDED WITH 1" CONCRETE GROUT COVER.
- ALL 12" CMU WALLS SHALL BE REINFORCED VERTICALLY WITH #5 BARS, AT 1'-4" ON CENTER, AND HORIZONTALLY WITH STANDARD TRUSS TYPE DUR-O-WALL, AT 16 INCHES ON CENTER. HORIZONTAL BOND BEAMS SHALL BE REINFORCED WITH 2 #5 BARS. VERTICAL REINFORCEMENT SHALL EXTEND TO THE TOP OF ALL PARAPETS. PROVIDE REINFORCEMENT BARS ALL AROUND OPENINGS, EXTENDING 2 FEET PAST EACH CORNER OF EACH OPENING. REFER TO THE LINTEL SCHEDULE FOR ADDITIONAL REINFORCEMENT. ALL TOP COURSES SHALL HAVE A HORIZONTAL BOND BEAM. ALL REINFORCEMENT BARS IN CMU WALLS SHALL BE PROVIDED WITH 1" CONCRETE GROUT COVER.
- THE MINIMUM SPlice LENGTH FOR ALL VERTICAL AND HORIZONTAL REINFORCEMENT IN ALL MASONRY SHALL BE AS FOLLOWS:
  - #4 BARS - 2'-0" (MIN)
  - #5 BARS - 2'-7" (MIN)
  - #6 BARS - 4'-10" (MIN)
  - #7 BARS - 6'-7" (MIN)
- PROVIDE VERTICAL CONTROL JOINTS AT LOCATIONS SHOWN. HORIZONTAL BOND BEAM REINFORCEMENT SHALL CONTINUE THROUGH ALL CONTROL JOINTS IN ALL WALLS. CONTROL JOINTS SHALL CONSIST OF A VERTICAL MASONRY JOINT, RAKED BACK AND CAULKED.

**CAST-IN-PLACE CONCRETE NOTES:**

- ALL DOWELS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- CONCRETE, UNLESS NOTED OTHERWISE, SHALL BE NORMAL WEIGHT, AND HAVE THE FOLLOWING PROPERTIES:
  - FOUNDATION WALLS AND WALL FOOTINGS:
    - AIR ENTRAINMENT = 6% ( $\pm$  1.5% UPON DELIVERY)
    - 28-DAY COMPRESSIVE STRENGTH (F'C) = 5,000 PSI MIN.
    - WATER-CEMENT RATIO (W/CM) = 0.40 MAX.
  - SLAB-ON-GRADE:
    - NON AIR-ENTRAINED (3% MAX.)
    - 28-DAY COMPRESSIVE STRENGTH (F'C) = 5,000 PSI MIN.
    - WATER-CEMENT RATIO (W/CM) = .40 MAX.
- REINFORCE ALL CONCRETE ELEMENTS (FOOTINGS, WALLS, AND SLABS). REINFORCEMENT SHOWN PERTAINS TO ALL TYPICAL CONDITIONS.
- SPICES IN REINFORCEMENT SHALL MEET CLASS B TENSION LAP REQUIREMENTS UNLESS NOTED OTHERWISE.
- REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
- PROVIDE CORNER BARS IN FOOTINGS, THE SAME SIZE AND NUMBER AS CONTINUOUS REINFORCEMENT.
- DOWEL CONCRETE WALLS INTO FOOTINGS WITH DOWELS THE SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT. EXTEND DOWELS TO WITHIN 3" OF BOTTOM OF FOOTING, TERMINATED WITH ACI STD. 90 DEGREE HOOK, UNLESS NOTED OTHERWISE.
- PROVIDE 3/4" X 3/4" CHAMFER AT ALL EXPOSED CORNERS UNLESS NOTED OTHERWISE.
- NO HOLES OR OPENINGS ARE PERMITTED THROUGH CONCRETE SLABS OR WALLS.
- LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT. DETAIL JOINT ON SHOP DRAWINGS.
- PROVIDE MINIMUM CONCRETE COVER OVER FACE OF BARS AS FOLLOWS, UNLESS NOTED OTHERWISE:
  - CAST AGAINST EARTH 3"
  - EXPOSED TO EARTH OR WEATHER:
    - NO. 5 AND SMALLER 1 1/2"
    - NO. 6 AND LARGER 2"
  - NOT EXPOSED TO EARTH OR WEATHER 3/4"

**STEEL JOIST NOTES:**

- FOR CONCENTRATED LOADS OTHER THAN THOSE SHOWN: LOCATE CONCENTRATED LOADS ON JOISTS AND JOIST GIRDERS AT PANEL POINTS. MANUFACTURER SHALL DESIGN JOISTS FOR MECHANICAL EQUIPMENT LOADS AND PROVIDE ANGLE WEB MEMBERS TO CREATE INTERMEDIATE PANEL POINTS AS REQUIRED. MANUFACTURER SHALL DIRECT INSTALLER AS TO METHOD OF INSTALLATION AND MATERIAL REQUIRED.
- PROVIDE BRIDGING ANCHORS AS SHOWN IN DETAILS AT EACH END OF EACH ROW OF BRIDGING, TOP AND BOTTOM.

**STRUCTURAL STEEL NOTES**

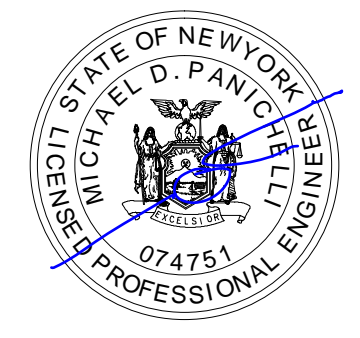
- DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- CONNECTIONS:
  - WELD (SHIELDED METAL ARC) - ELECTRODES SHALL BE E70XX AND BE IN ACCORDANCE WITH AWS D1.1 UNLESS NOTED OTHERWISE.
- SPECIFIED STEEL STRENGTH:
 

W SHAPES	FY = 50 KSI
WT SHAPES AND ANGLE SHAPES	FY = 36 KSI
HSS TUBES	FY = 46 KSI

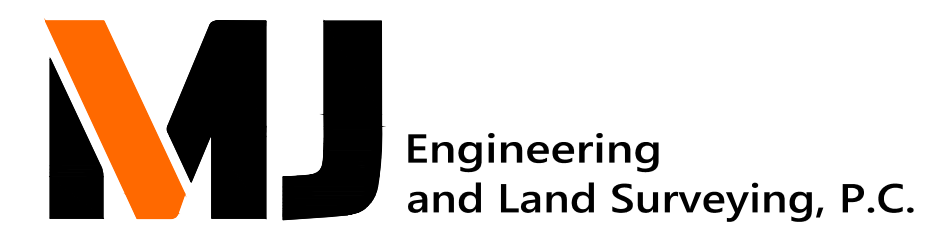
 ALL ROOF DECK SHALL BE 1 1/2" 20 GA GALVANIZED, GRADE 50 UNLESS NOTED OTHERWISE.

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON 2/5/2024

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: NGC  
 DESIGNED BY: TWS  
 DRAWN BY: SNP  
 CHECKED BY: SNP



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FACILITY RENOVATIONS PHASE II  
**GENERAL NOTES**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: NOT TO SCALE  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**S-001**

**POST-INSTALLED ANCHORS**

- DO NOT IMPACT EXISTING REINFORCEMENT.
- FIELD LOCATE EXISTING REINFORCEMENT PRIOR TO FABRICATING CONNECTION ELEMENTS AND DRILLING CONCRETE. LAYOUT PROPOSED ANCHORS ON EXISTING CONSTRUCTION AND NOTIFY COR OF DISCREPANCIES WITH REINFORCEMENT.
- EXCEPT WHERE INDICATED ON THE DRAWINGS, POST INSTALLED ANCHORS TO CONSIST OF THE FOLLOWING ANCHOR TYPES AND INSTALLED IN ACCORDANCE WITH THEIR RESPECTIVE ICC-ES REPORT AND MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS:

APPLICATION	ANCHORING SYSTEM	ICC-ES REPORT
ANCHORAGE TO CONCRETE	HILTI HY 200 V3 ADHESIVE	ESR-4878
	HITI RE 500 V3 ADHESIVE	ESR-3814
	HILTI KWIK BOLT TZ-2	ESR-4266
	HILTI KWIK HUS EZ	ESR-3027
	HILTI HSL-4	ESR-4386
REBAR DOWELING	HILTI RE 500 V3 WITH SAFESET INSTALLATION	ESR-3814
	HILTI HY 200 V3 WITH SAFESET INSTALLATION	ESR-3187
ANCHORAGE TO SOLID GROUTED MASONRY	HILTI HY 200 V3 ADHESIVE	ESR-4878
	HILTI HIT HY 100 ADHESIVE	ESR-3547
ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY	HILTI HY 270 ADHESIVE WITH SCREEN TUBE	ESR-4143, ESR-4144

BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:

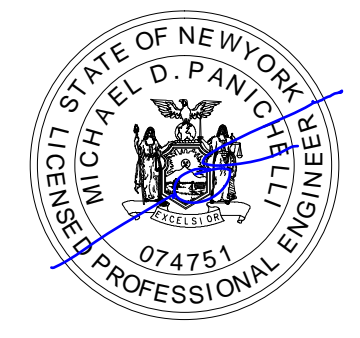
- CRACKED CONCRETE
  - WATER-SATURATED CONCRETE
  - BASE MATERIAL TEMPERATURE OF 23-104 DEGREES FAHRENHEIT
  - ALLOWABLE DRILLING METHOD: HAMMER-DRILL HOLLOW DRILL BIT SYSTEM
  - CURRENT ICC-ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS FOR EMBEDMENT DEPTHS GREATER THAN 20 BAR DIAMETERS
- POST-INSTALLED ANCHORS MUST CONFORM WITH REQUIREMENTS OF ACI 318-14 - BUILDING CODE REQUIREMENTS OF STRUCTURAL CONCRETE.
  - ACI 318-14 SECTION 17.1.2 REQUIRE ADHESIVE ANCHORS TO BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION.
  - ANCHOR CAPACITY USED IN DESIGN MUST BE BASED ON THE TECHNICAL DATA PUBLISHED BY ANCHOR MANUFACTURER OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. PRIOR TO USE, CONTRACTOR MUST PROVIDE CALCULATIONS STAMPED BY PROFESSIONAL ENGINEER DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE. CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF SHOP DRAWINGS IN ACCORDANCE WITH THE DESIGN DOCUMENTS. SUBMIT SHOP DRAWINGS TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL.
  - THE DESIGN OF STRAIGHT POST-INSTALLED REINFORCING BARS TO CONCRETE MUST BE PERFORMED PER THE DEVELOPMENT AND SPLICE REQUIREMENTS OF ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE". THE POST-INSTALLED REINFORCING BAR SYSTEM IS AN ALTERNATIVE TO CAST-IN-PLACE REINFORCING BARS GOVERNED BY ACI 318-14 AND IBC CHAPTER 19. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER PRIOR TO USE. CONTRACTOR MUST PROVIDE SIGNED AND SEALED CALCULATIONS SEALED BY PROFESSIONAL ENGINEER. THE EPOXY SYSTEM MUST BE TESTED IN ACCORDANCE WITH THE ICC-ES ACCEPTANCE CRITERIA FOR POST-INSTALLED EPOXY ANCHORS IN CONCRETE ELEMENTS (AC308), TABLE 3.6. TECHNICAL DATA MUST BE PUBLISHED IN AN ICC-ES EVALUATION SERVICE REPORT SHOWING COMPLIANCE WITH IBC.
  - CONTINUOUSLY THREADED CARBON STEEL ANCHOR ELEMENTS MUST BE HILTI ASTM F1554 COMPLIANT.
  - DRILL HOLES WITH ROTARY IMPACT HAMMER DRILLS USING HOLLOW DRILL BIT WITH INTEGRAL VACUUM CLEAN AS PERMITTED BY ICC-ESR. USE OF DIAMOND CORE BIT WITH ROUGHENING TOOL IS PERMITTED AFTER ENGINEER OF RECORD'S APPROVAL. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, HOLES MUST BE DRILLED PERPENDICULAR TO THE CONCRETE SURFACE.
  - INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING. THE CONTRACTOR MUST ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER MUST RECEIVE DOCUMENTED CONFIRMATION THAT THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
  - INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS MUST BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION MUST INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR APPROVED EQUIVALENT.
  - ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.  
  
FOR ADHESIVE ANCHORS INSTALLED IN CONCRETE AGED LESS THAN 21 DAYS, IT IS RECOMMENDED THAT THE DESIGN ENGINEER EVALUATE THE ANCHOR DESIGN BASED ON THE CONCRETE STRENGTH AT THE TIME OF INSTALLATION AND USE A BOND STRENGTH VALUE FOR WATER SATURATED CONCRETE. SITE TESTING IS RECOMMENDED TO VERIFY THE FASTENING CAPACITY.  
  
FOR ADHESIVE ANCHORS INSTALLED IN CONCRETE AGES LESS THAN 21 DAYS, THE CONTRACTOR'S ENGINEER TO EVALUATE THE ANCHOR DESIGN BASED ON THE CONCRETE STRENGTH AT THE TIME OF INSTALLATION AND USE A BOND STRENGTH VALUE FOR WATER SATURATED CONCRETE. SITE TESTING IS RECOMMENDED TO VERIFY THE FASTENING CAPACITY. CONTRACTOR TO PROVIDE ADDITIONAL CONCRETE TESTING TO VERIFY STRENGTH AT PROPOSED TIME OF ANCHOR INSTALLATION.

**SPECIAL INSPECTIONS SCHEDULE**

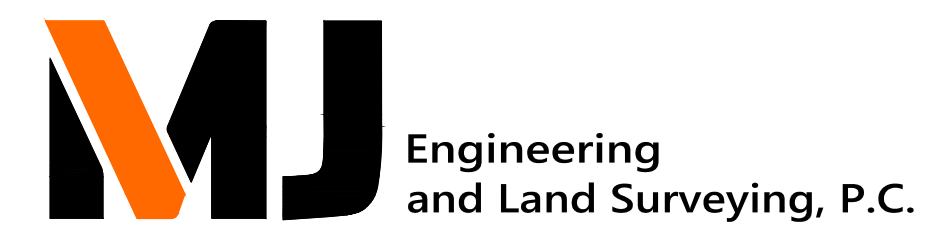
APPLICABLE CODES				
• 2020 BUILDING CODE OF NEW YORK STATE (BCNYS)				
INSPECTION AND TESTING	CONTINUOUS	PERIODIC	REFERENCE STANDARD	BCNYS REFERENCE
<b>A. STEEL CONSTRUCTION</b>				
1. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS		X	APPLICABLE ASTM MATERIAL SPECIFICATIONS. AISC 360 A3.3	1705.2 1705.2.1
2. INSPECTION OF HIGH-STRENGTH BOLTING		X	AISC 360 SECTION M2.5	1705.2 1705.2.1
3. VERIFICATIONS OF STRUCTURAL STEEL MATERIAL		X	ASTM A 6 OR A 568	1705.2 1705.2.1
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS		X	AISC 360 A3.5	1705.2 1705.2.1
5. INSPECTION OF WELDING:		X	AWS D1.1, D1.3, D1.4	1705.2 1705.2.1
<b>B. CONCRETE CONSTRUCTION</b>				
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT		X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1705.3 1908.4
2. INSPECTION OF REINFORCING STEEL WELDING		X	AWS D1.4, ACI 318 26.6.4	1705.3 1705.2.1
3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT		X	ACI 318 17.8.2	1704.4 1912.5
4. INSPECTION OF POST-INSTALLED ANCHORS IN HARDENED CONCRETE MEMBERS.			ACI 318 17.8.2, 17.8.2.4	1705.3
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS	X		ACI 318 17.8.2.4	1705.3
b. MECHANICAL AND ADHESIVE ANCHORS NOT DEFINED IN 4a.		X	ACI 318 17.8.2	1705.3
5. VERIFY USE OF REQUIRED DESIGN MIX		X	ACI 318 CH. 19, 26.4.3, 26.4.4	1705.3 1904.1 1904.2 1908.2 1908.3
6. SAMPLING FRESH CONCRETE: SLUMP, AIR CONTENT, TEMPERATURE, STRENGTH TEST SPECIMENS	X		ASTM C 172, C 31; ACI 318 26.4, 26.12	1705.3 1908.10
7. INSPECTION OF PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318 26.5	1705.3 1908.6 1908.7 1908.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318 26.5.3-26.5.5	1705.3 1908.9
<b>C. WOOD CONSTRUCTION</b>				
1. FABRICATION OF WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES	X			1705.5 1704.2.5
<b>D. SOILS</b>				
1. SITE PREPARATION	X			1705.6
2. DURING FILL PLACEMENT	X			1705.6
3. EVALUATION OF IN-PLACE DENSITY	X			1705.6

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON 2/5/2024

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: NGC  
 DESIGNED BY: TWS  
 DRAWN BY: SNP  
 CHECKED BY: NGC



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FACILITY RENOVATIONS PHASE II

**GENERAL NOTES**

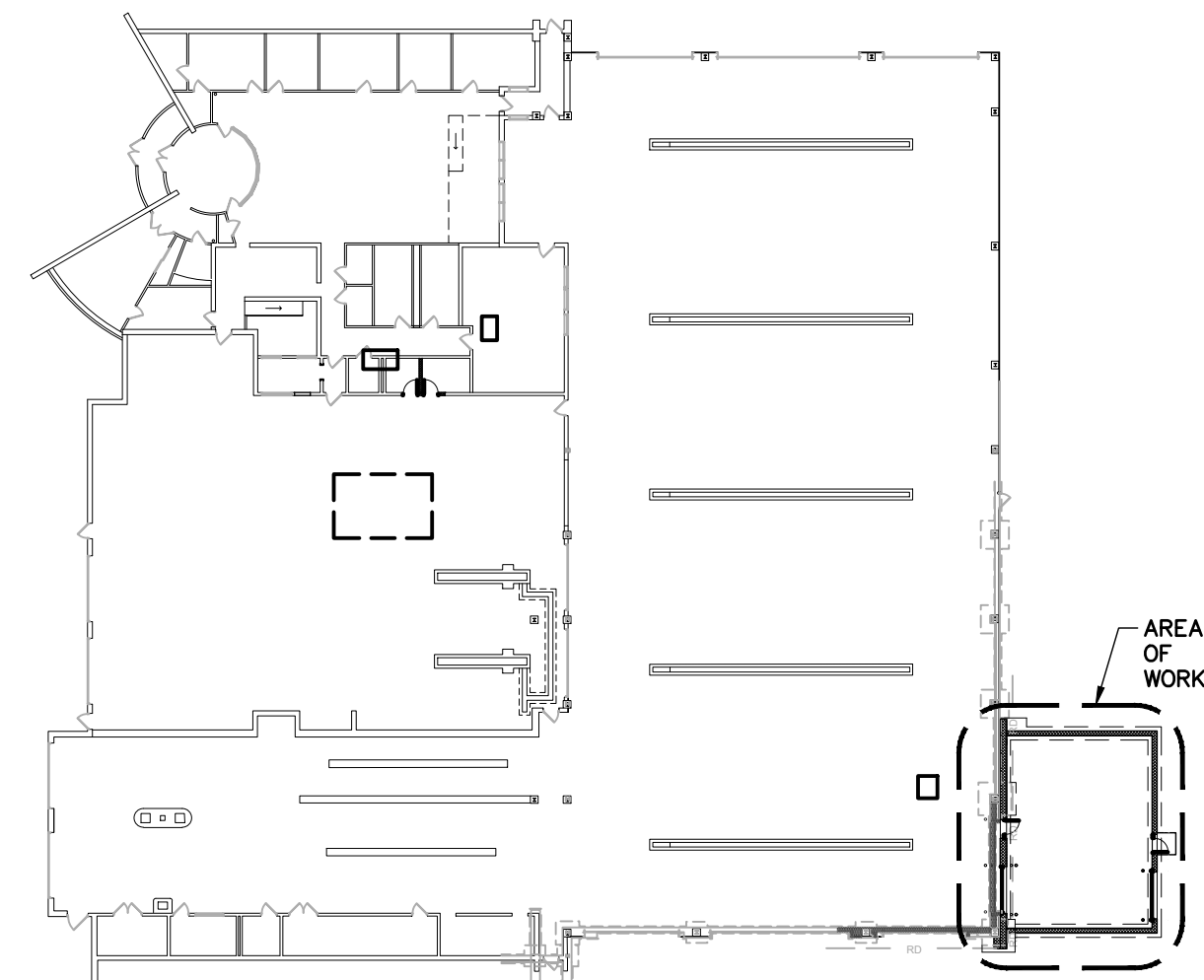
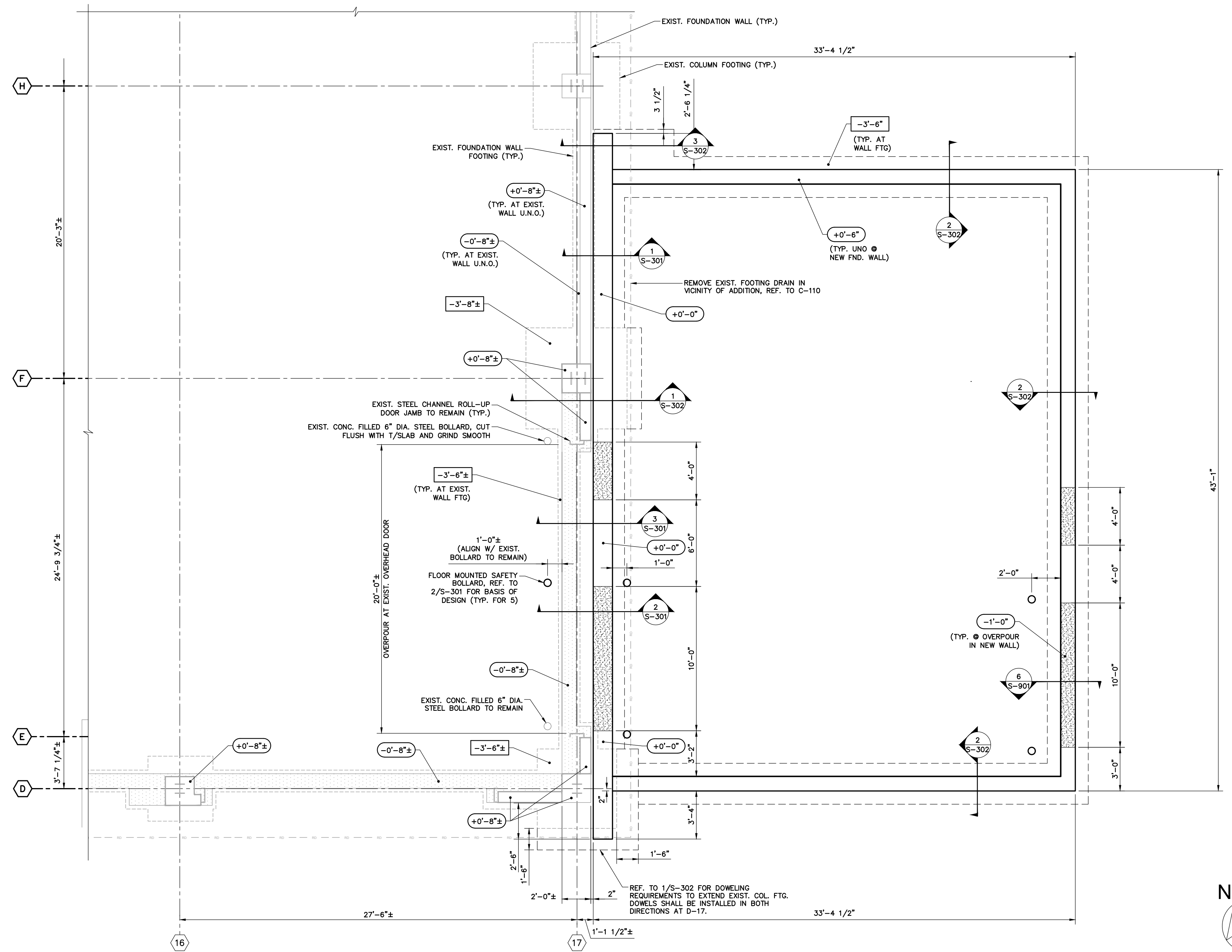
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: NOT TO SCALE  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

**S-002**

**FOUNDATION NOTES:**

- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
- REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0" = 257.00'.
- X'-XX" DENOTES T/FTG ELEVATIONS (± REFERENCE ELEVATION).
- X'-XX" DENOTES T/WALL (± REFERENCE ELEVATION).
- DENOTES OVER POUR AT DOOR OPENING. REFER TO ARCH DWGS. FOR EXACT SIZE AND LOCATION OF OPENINGS. REFER TO 2/S-301 AND 6/S-901 FOR DETAILS.
- DENOTES EXISTING SLAB OVERPOUR



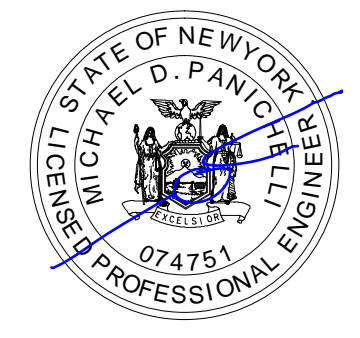
**KEYPLAN**  
SCALE: N.T.S.

**1 ADDITION FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

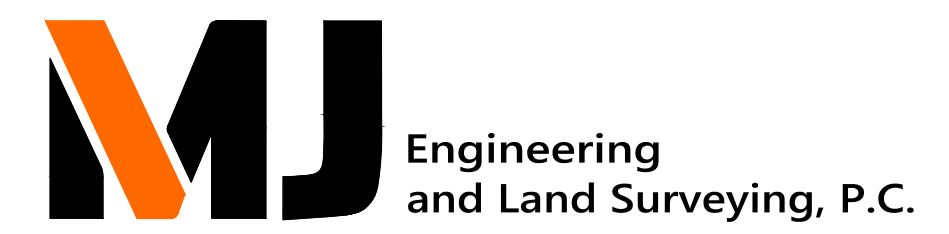
SCALE: 1/4" = 1'-0"  
4' 2' 0' 4' 8'

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	TWS
DRAWN BY:	SNP
CHECKED BY:	NGC



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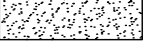
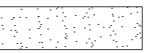


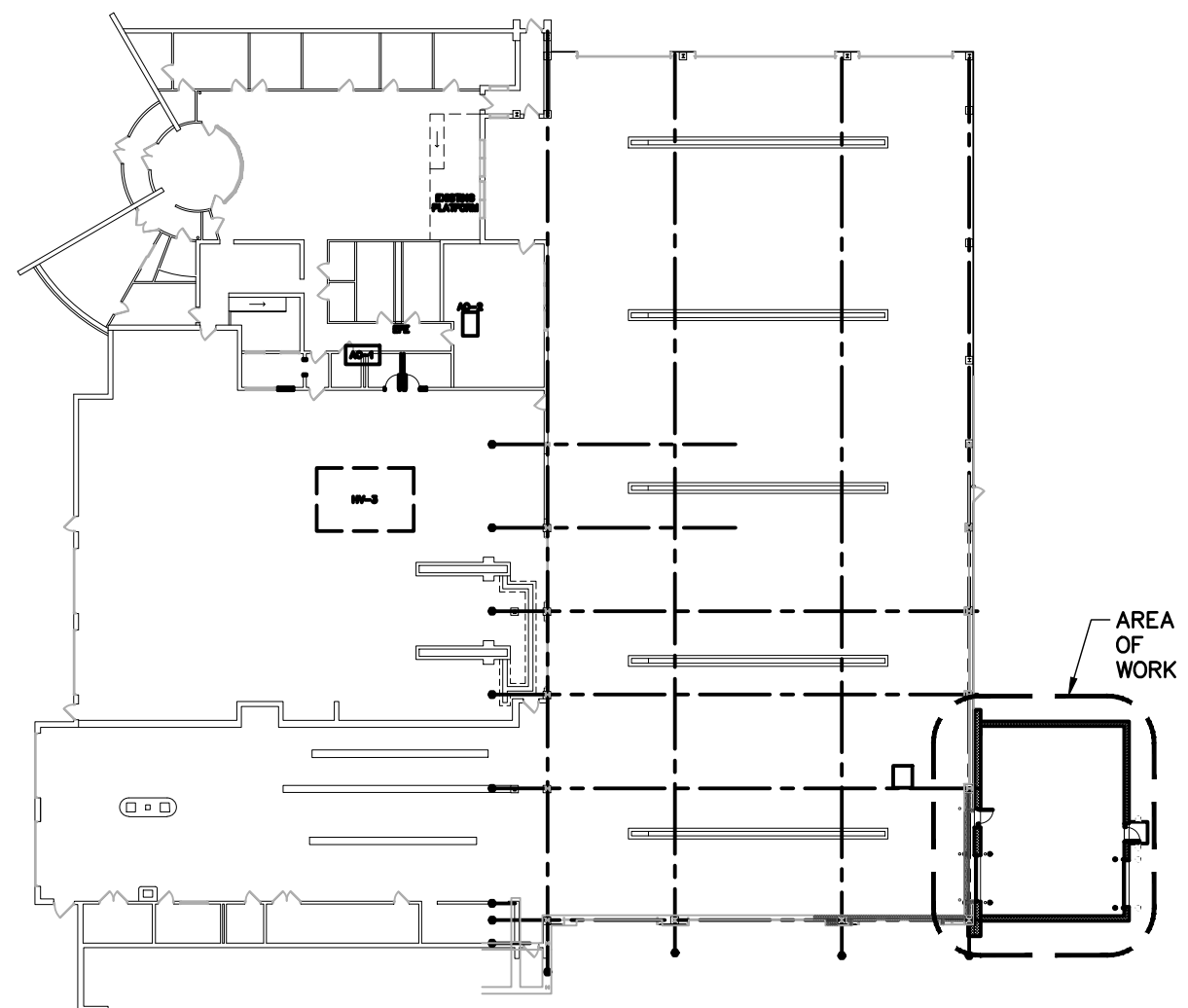
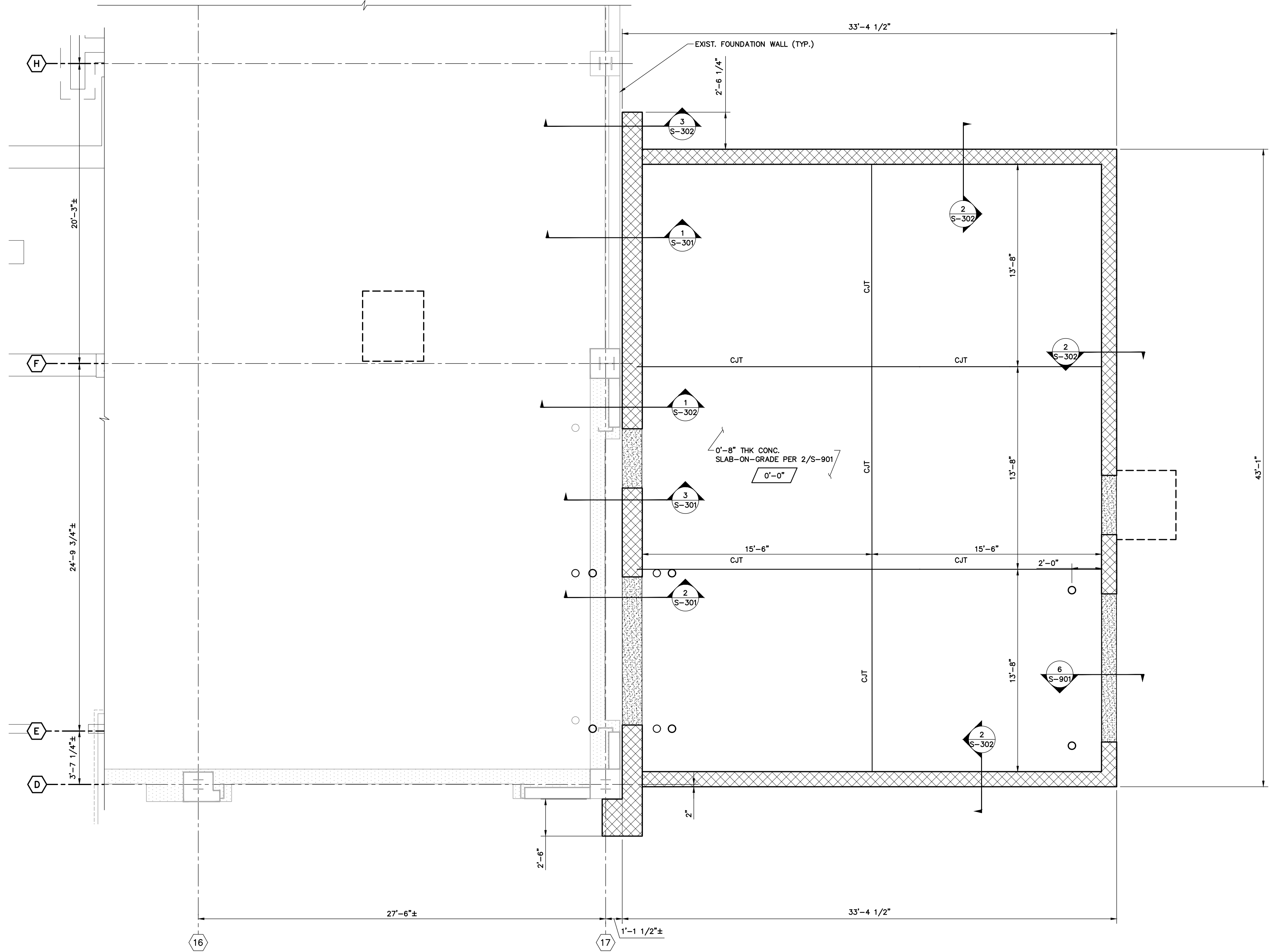
FACILITY RENOVATIONS PHASE II  
**ADDITION FOUNDATION PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: 1/4" = 1'-0"
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

**S-101**

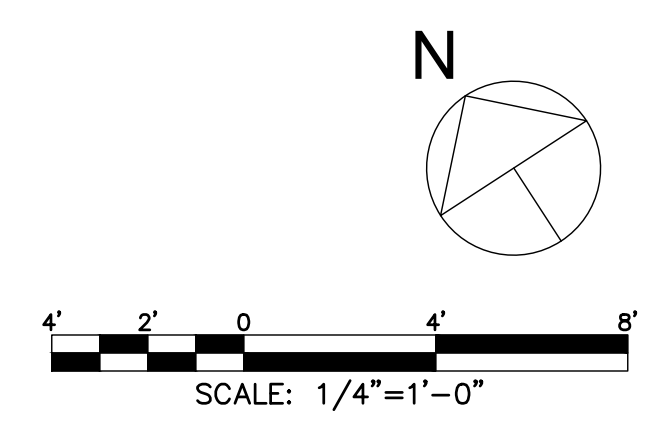
**SLAB NOTES:**

1. REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0" = 257.00'.
3.  $x'-xx''$  DENOTES T/SLAB ELEVATION ( $\pm$  REFERENCE ELEVATION).
4.  DENOTES OVER POUR AT DOOR OPENING. REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION OF OPENINGS. REFER TO 3/S-301 AND 6/S-901 FOR DETAILS.
5. CJT DENOTES SLAB CONTROL JOINT. REFER TO 3/S-901 FOR DETAIL.
6.  DENOTES EXISTING SLAB OVERPOUR.



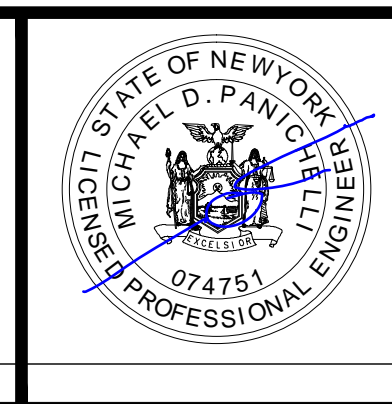
**KEYPLAN**  
SCALE: N.T.S.

**1 ADDITION SLAB PLAN**  
SCALE: 1/4" = 1'-0"



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	TWS
DRAWN BY:	SNP
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**ADDITION SLAB PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: 1/4" = 1'-0"
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>S-102</b>

**STEEL FRAMING NOTES:**

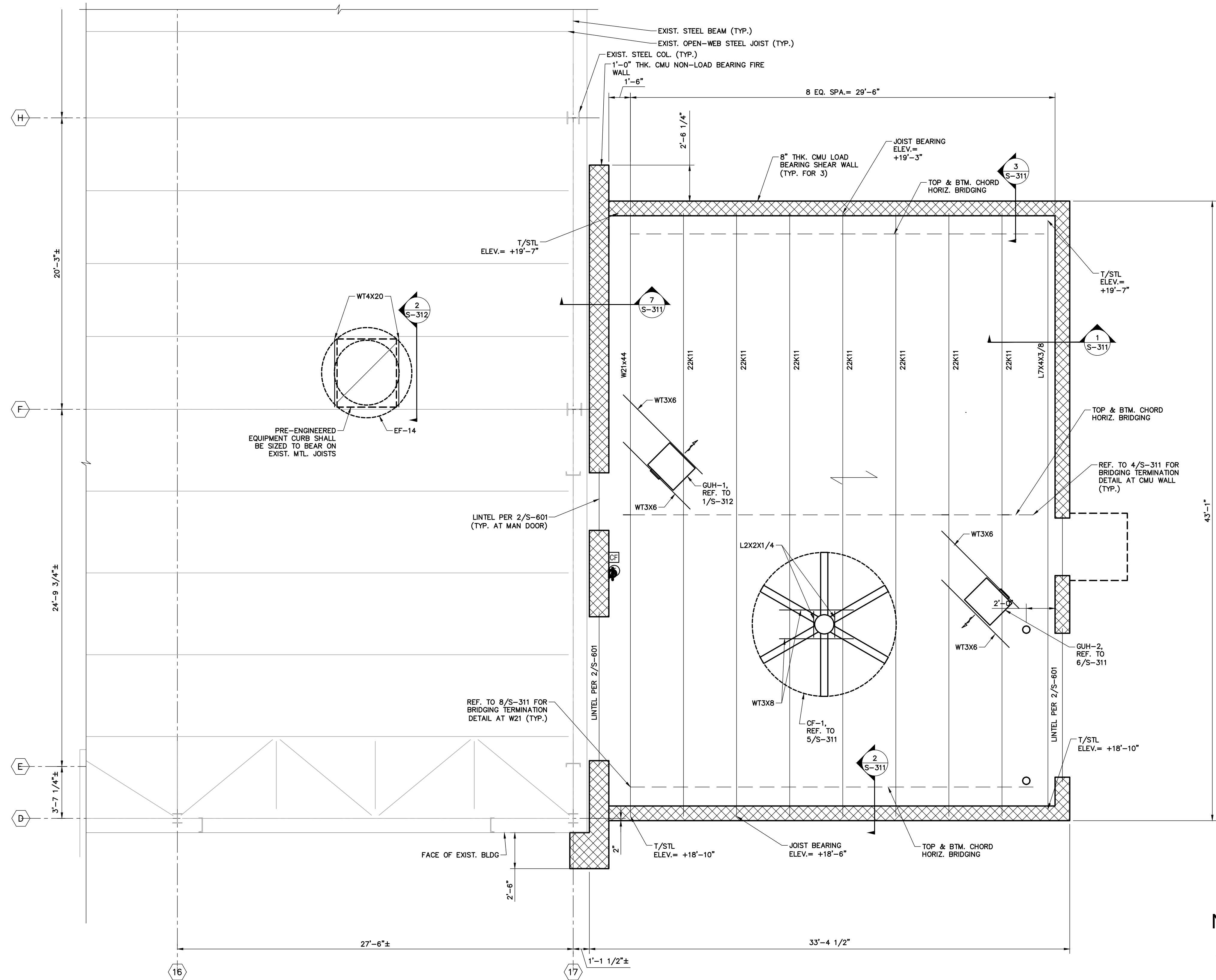
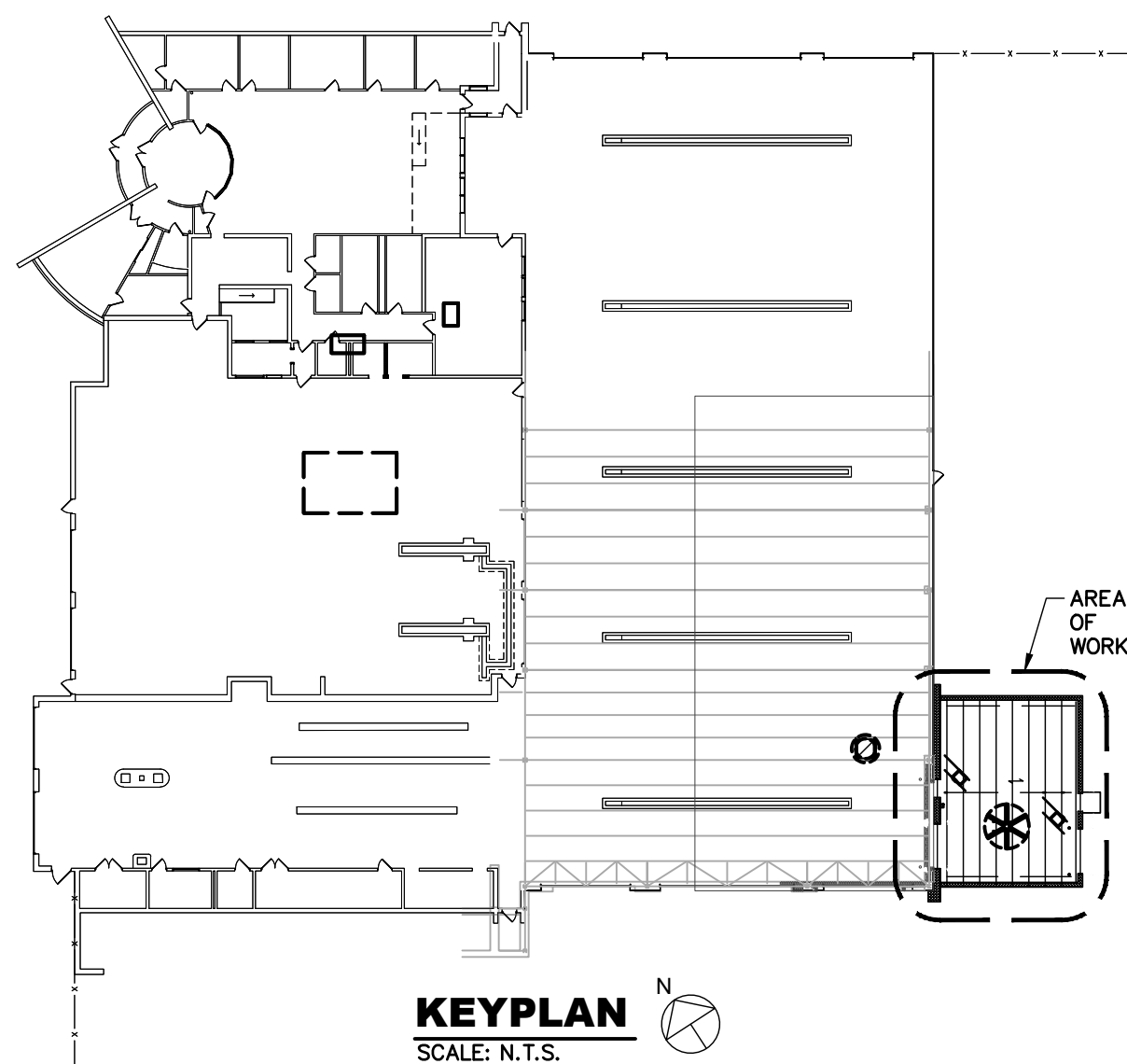
- REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
- REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0" = 257.00'.
- ↔ DENOTES SPAN OF METAL DECK.
- METAL DECK SHALL BE 20 GAUGE, 1.58-36, GRADE 50 ROOF DECK, INSTALLED IN MIN. 3-SPAN CONDITION AND FASTENED TO SUPPORT FRAMING WITH 5/8" DIA. PUDDLE WELDS ON A 36/4 PATTERN. SIDELAPS SHALL BE FASTENED WITH #10 SELF-DRILLING SCREWS AT 1'-6" MAX. O.C..
- JOISTS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE.
- HORIZONTAL BRIDGING SHALL BE DESIGNED BY JOIST MANUFACTURER AND SHALL SATISFY STEEL JOIST INSTITUTE REQUIREMENTS FOR ERECTION STABILITY, CONSTRUCTION LOADING, AND PERMANENT GRAVITY AND UPLIFT LOADING.
- REFER TO SHEET S-001 FOR WIND UPLIFT FORCES.
- LINE OF BOTTOM CHORD BRIDGING SHALL BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINT.
- REFER TO 4/S-311 AND 8/S-311 FOR BRIDGING TERMINATION DETAILS.
- REFER TO STEEL JOIST NOTES ON S-001 FOR NOTES PERTAINING TO CONCENTRATED LOADS ON STEEL JOISTS, OTHER THAN THOSE LOADS SHOWN.

**EQUIPMENT SCHEDULE BASIS OF DESIGN**

TAG	WEIGHT (LBS.)
CF-1	173
GUH-1	65
GUH-2	65
EF-14	420

**EQUIPMENT SCHEDULE NOTES:**

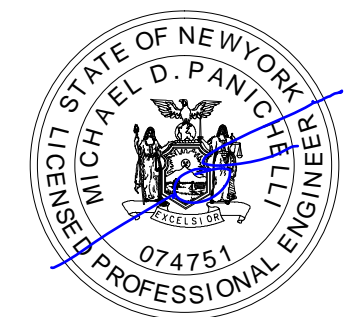
- FOR EQUIPMENT LOCATIONS AND INFORMATION, REFER TO MECHANICAL DRAWINGS.
- ALL SIZES AND WEIGHTS ARE MAXIMUM ALLOWABLE. SEE SPECIFICATIONS FOR BASIS OF DESIGN PRODUCTS.
- SHOULD WEIGHTS AND SIZES OF FINAL SELECTED EQUIPMENT VARY FROM THOSE LISTED ABOVE, NOTIFY THE DIRECTOR'S REPRESENTATIVE. DO NOT SET UNITS UNTIL APPROVED BY DIRECTOR'S REPRESENTATIVE.



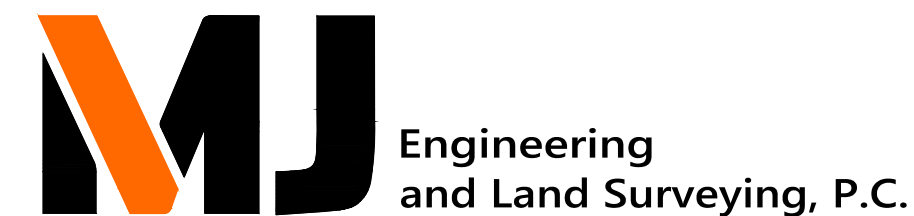
**1 ADDITION ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	TWS
DRAWN BY:	SNP
CHECKED BY:	NGC



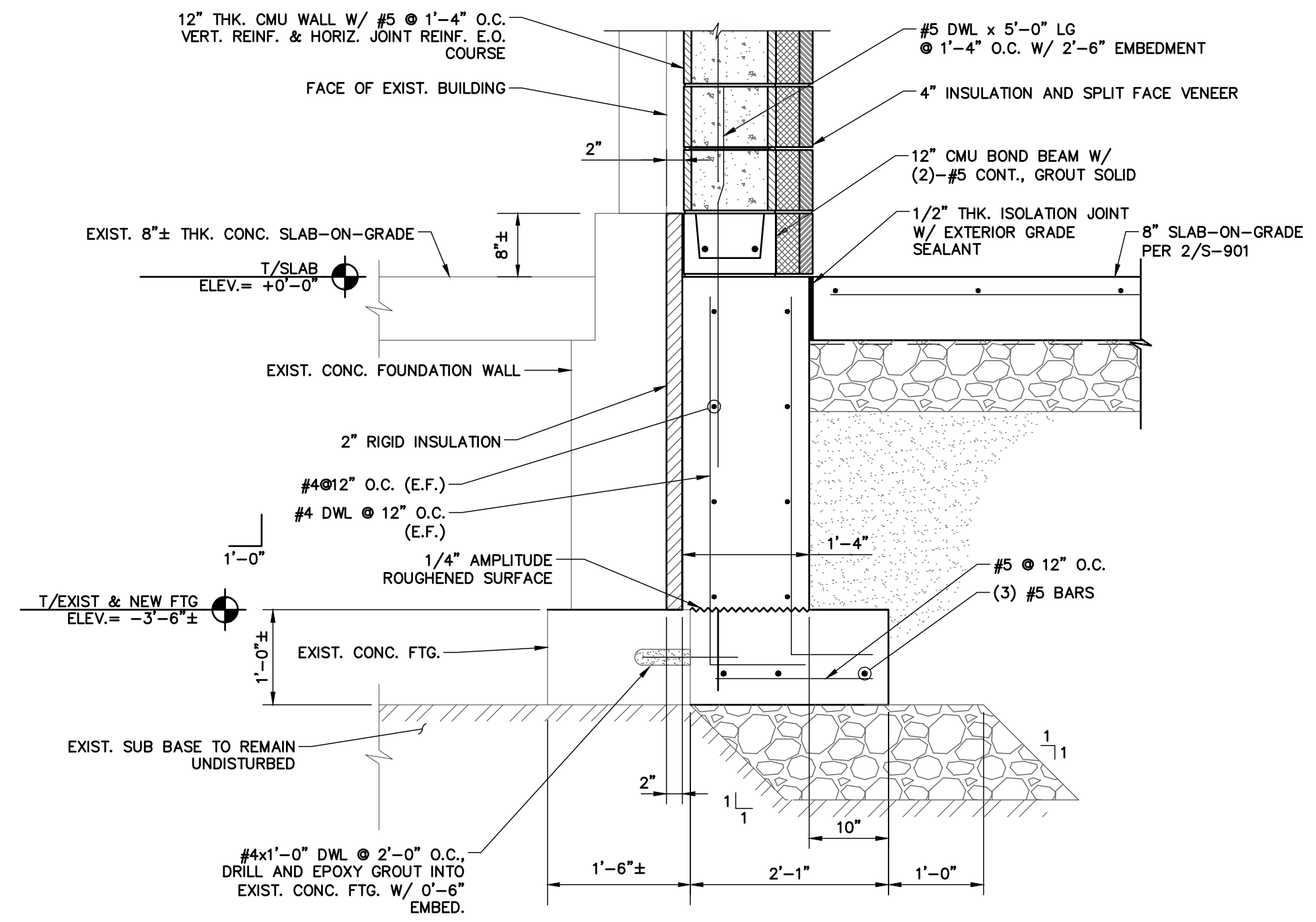
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FACILITY RENOVATIONS PHASE II  
**ADDITION ROOF FRAMING PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

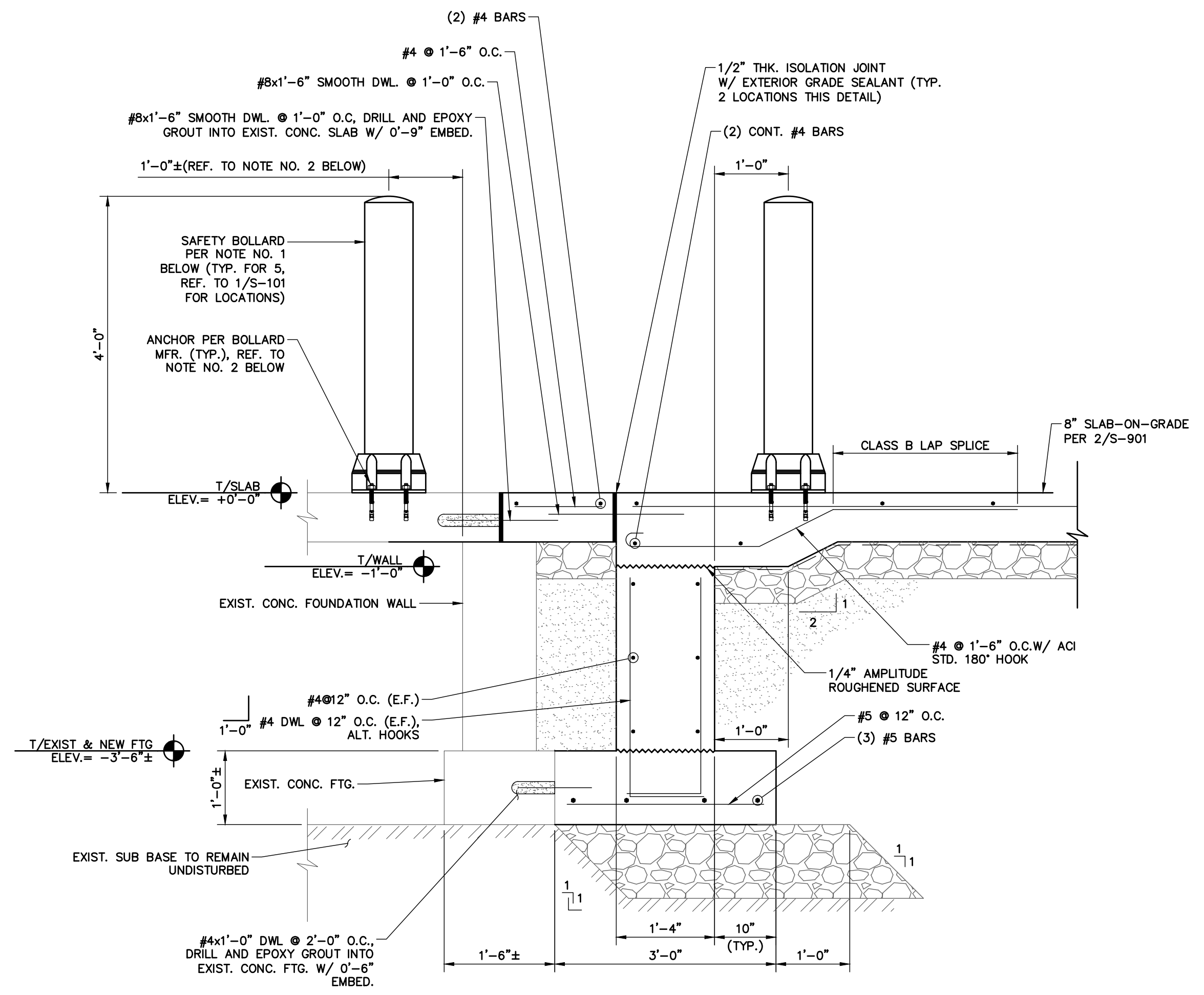
SCALE: 1/4" = 1'-0"  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**S-111**



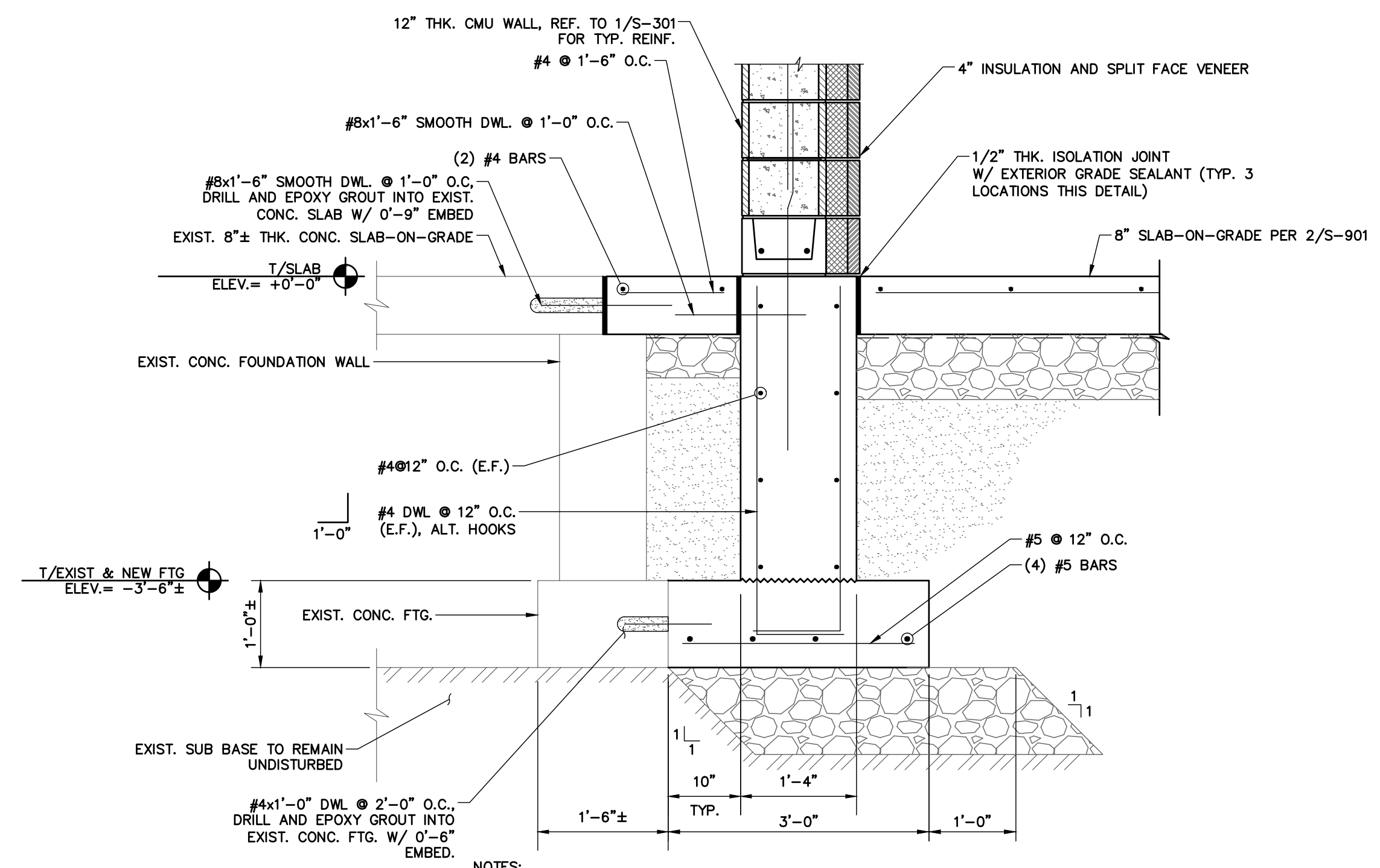
NOTES:  
1. CMU BLOCK, 4" INSULATION, AND SPLIT FACE VENEER ARE ONE MANUFACTURED UNIT.

**1 FOUNDATION SECTION AT EXIST. FOUNDATION WALL**  
SCALE: 3/4" = 1'-0"



NOTES:  
1. SAFETY BOLLARD BASIS OF DESIGN: BOPLAN BO 200 FORCE WITH 16KJ IMPACT RATING, OR APPROVED EQUAL.  
2. COORDINATE DISTANCE FROM BOLLARD ANCHOR TO EDGE OF EXIST. CONC. SLAB-ON-GRADE WITH BOLLARD MFR. REQUIREMENTS.  
3. REFER TO 1/S-101 FOR LOCATIONS OF NEW BOLLARDS.  
4. EXCEPT FOR NEW BOLLARDS, DETAIL IS SIMILAR AT MAN DOOR OPENING IN 12" THICK CMU FIRE WALL.

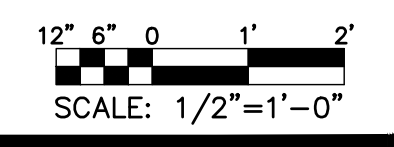
**2 FOUNDATION SECTION AT EXISTING/NEW DOOR OPENINGS**  
SCALE: 3/4" = 1'-0"



NOTES:  
1. CMU BLOCK, 4" INSULATION, AND SPLIT FACE VENEER ARE ONE MANUFACTURED UNIT.

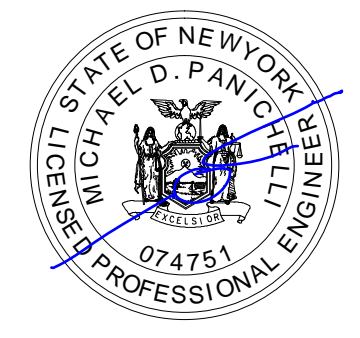
**3 FOUNDATION SECTION AT EXISTING DOOR OPENING**  
SCALE: 3/4" = 1'-0"

**SHEET LEGEND:**  
 NYSDOT NO. 2 STONE SUBBASE  
 STRUCTURAL FILL

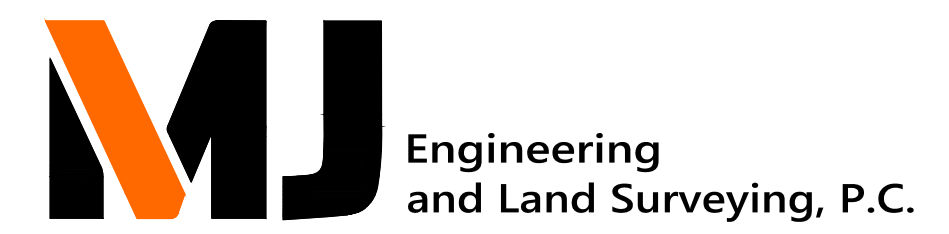


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: NGC  
 DESIGNED BY:  
 DRAWN BY:  
 CHECKED BY:



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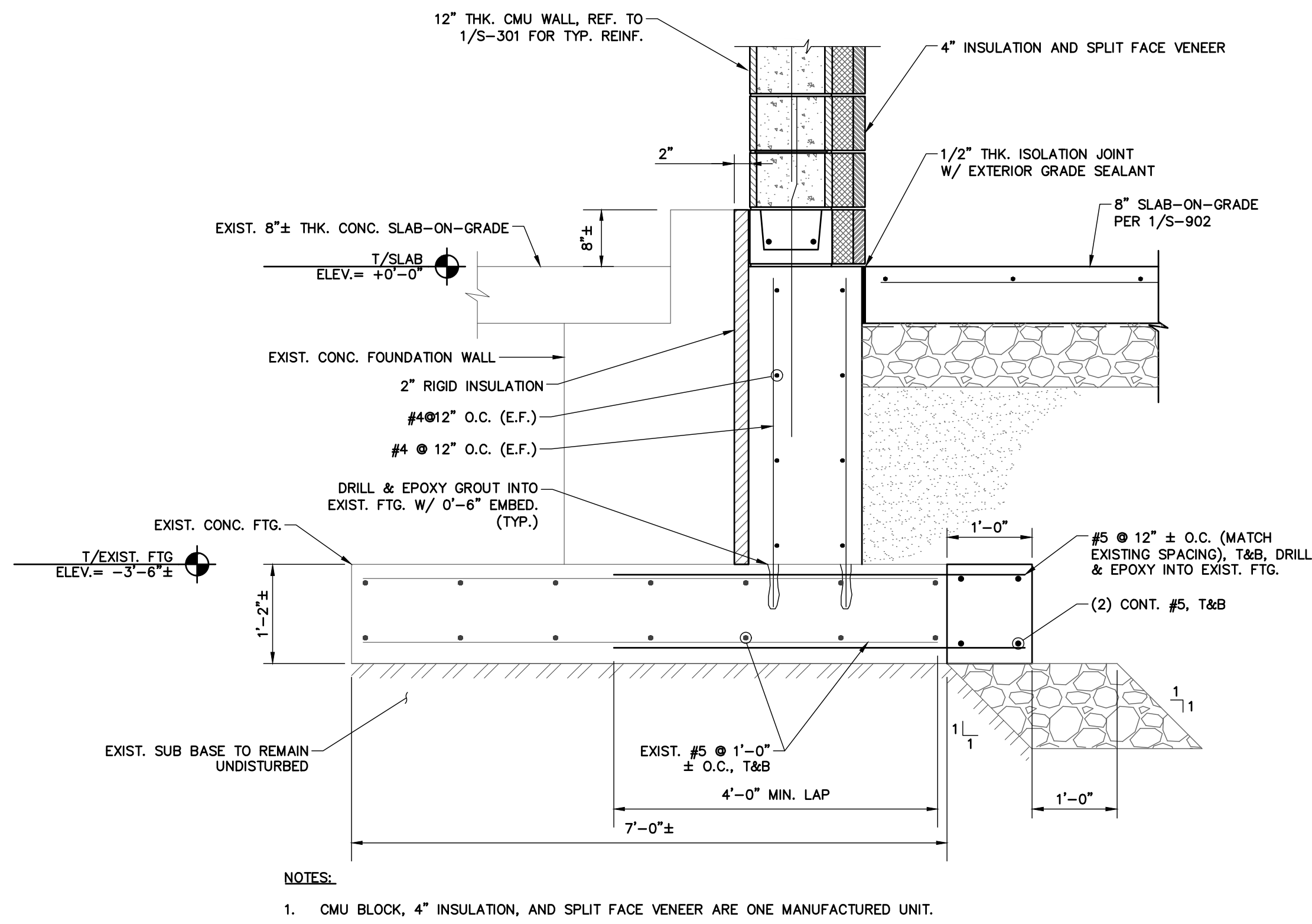
FACILITY RENOVATIONS PHASE II  
**FOUNDATION SECTIONS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS SHOWN  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

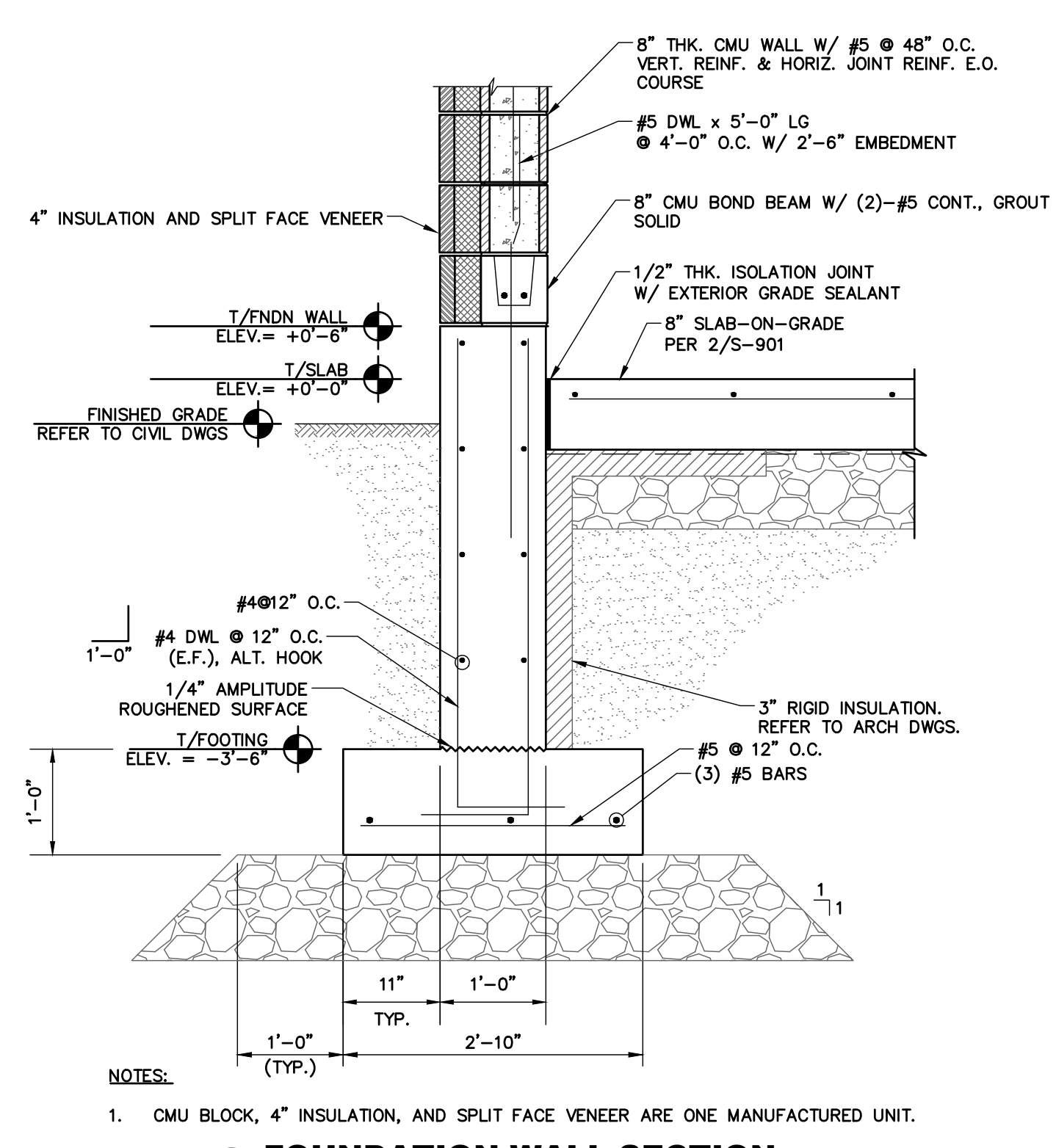
**S-301**



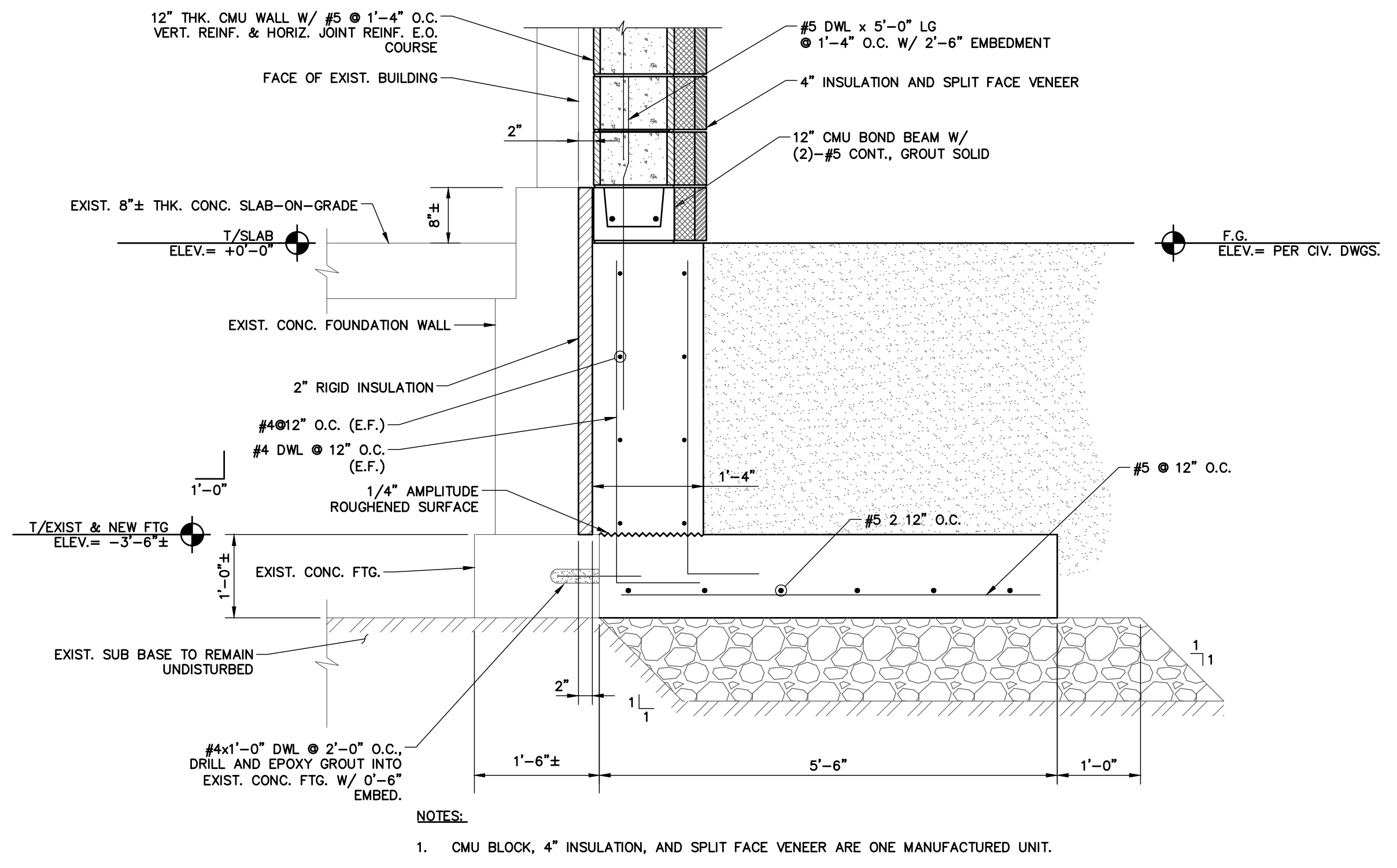
**SHEET LEGEND:**  
 NYSDOT NO. 2 STONE SUBBASE  
 STRUCTURAL FILL



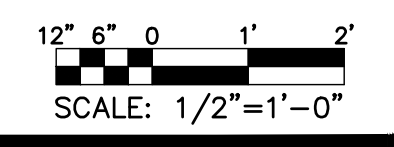
**1 FOUNDATION WALL SECTION**  
 SCALE: 3/4" = 1'-0"



**2 FOUNDATION WALL SECTION**  
 SCALE: 3/4" = 1'-0"

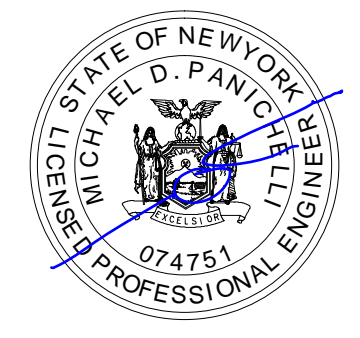


**3 FOUNDATION WALL SECTION**  
 SCALE: 3/4" = 1'-0"

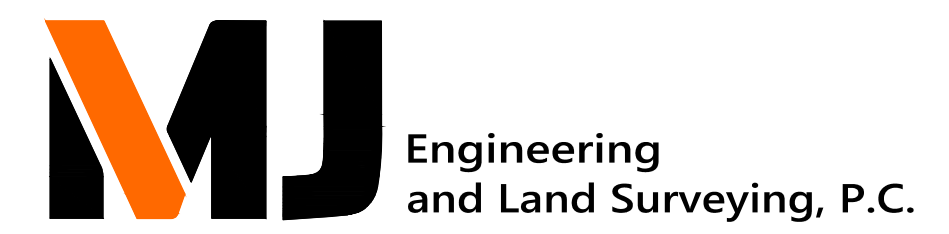


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: NGC  
 DESIGNED BY:  
 DRAWN BY:  
 CHECKED BY:



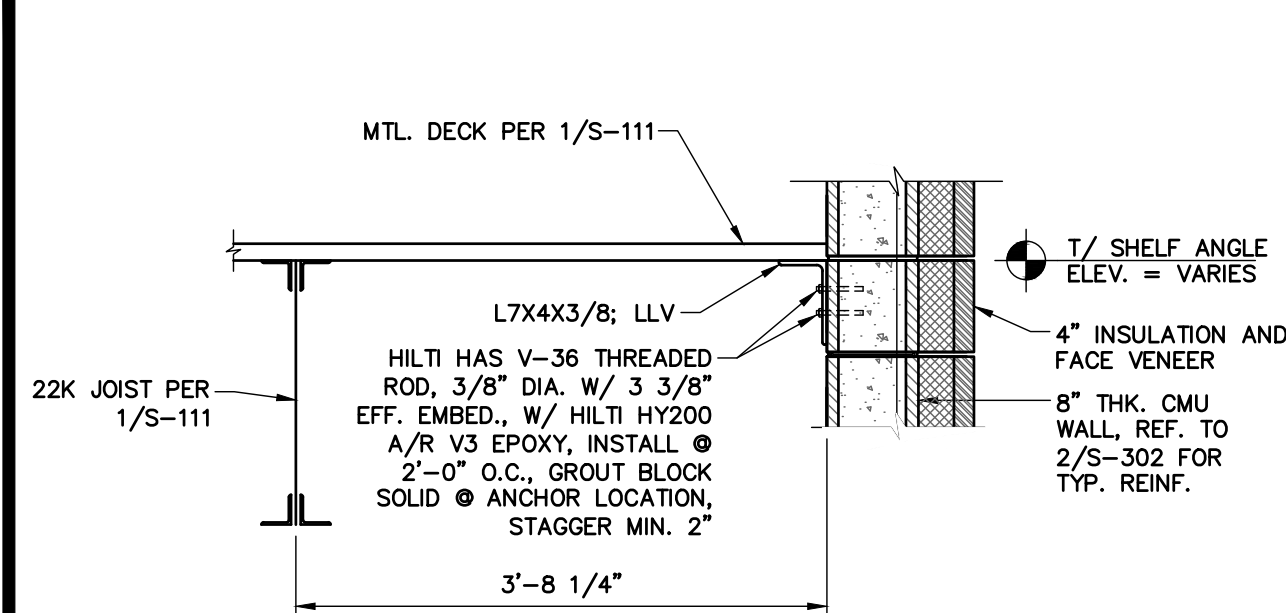
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FACILITY RENOVATIONS PHASE II  
**FOUNDATION SECTIONS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

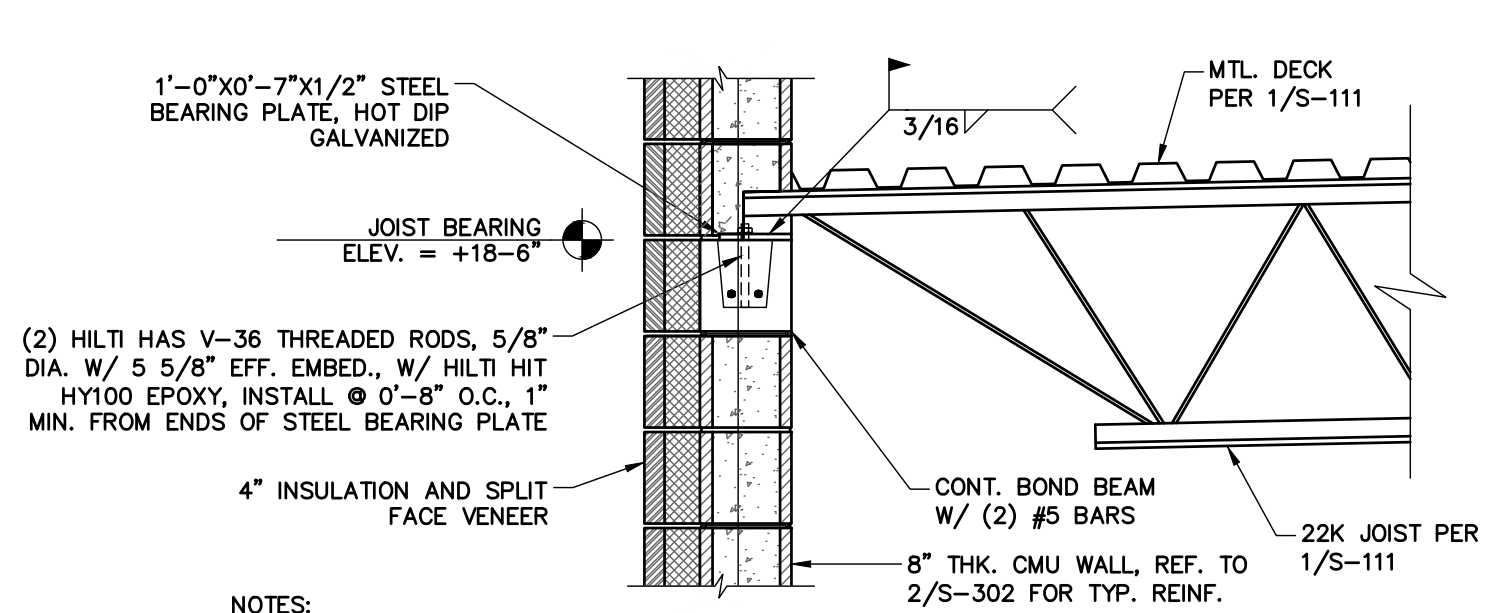
SCALE: AS SHOWN  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

**S-302**



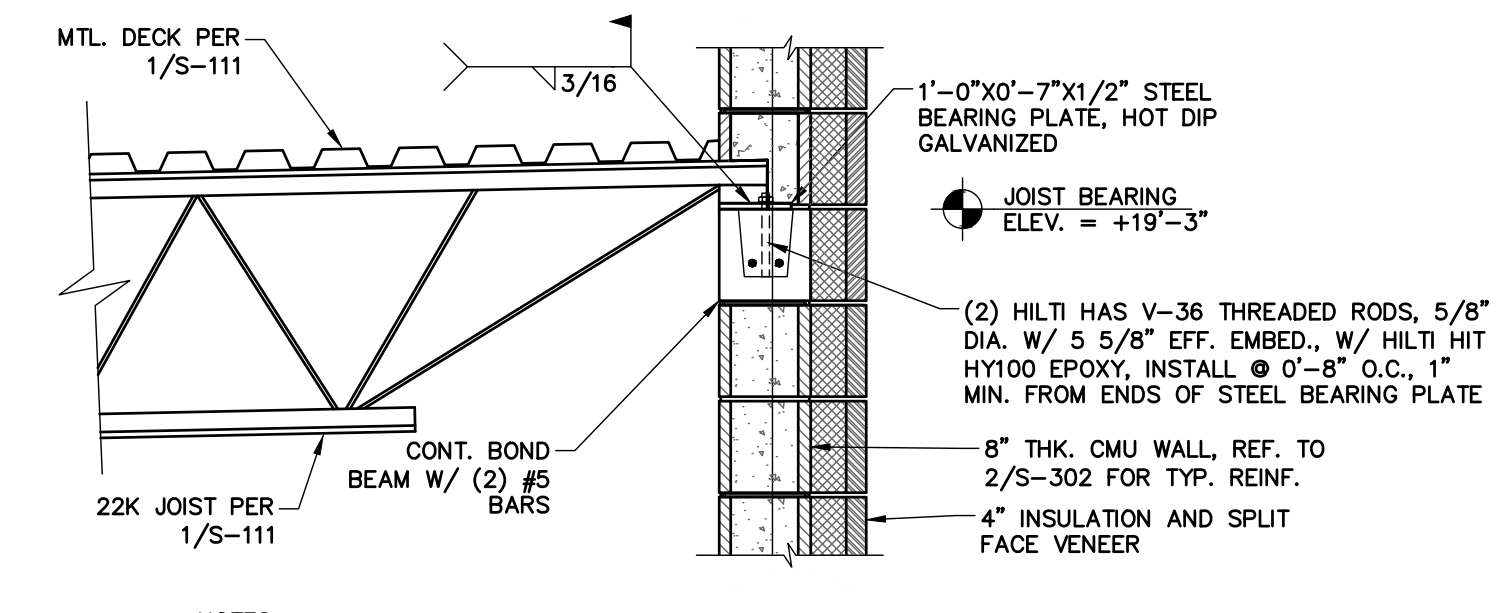
NOTE:  
1. CMU BLOCK, 4\"/>

**1 DECK SHELF ANGLE DETAIL**  
SCALE: 3/4\"/>



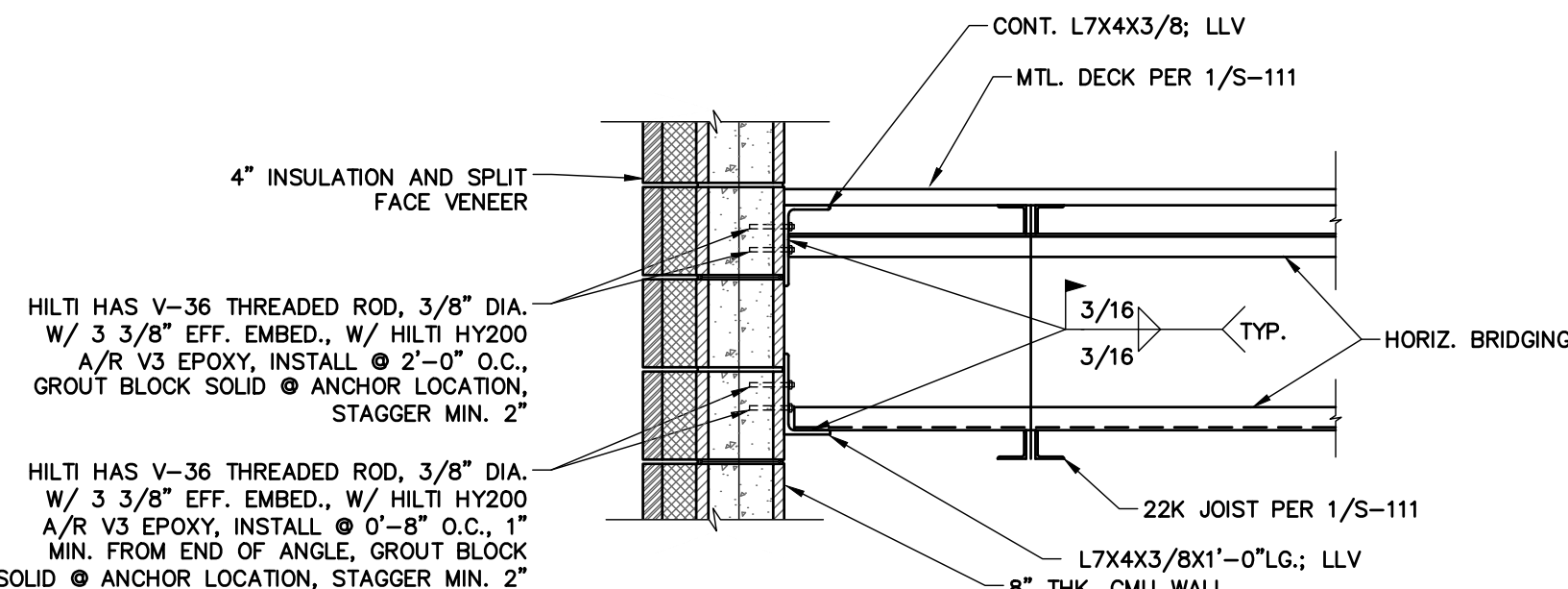
NOTE:  
1. GROUT JOIST INTO WALL WITH HIGH-STRENGTH, NON-METALLIC, NON-SHRINK GROUT.  
2. JOIST BEARING ON PLATE = 0'-4\"/>

**2 JOIST BEARING AT LOW POINT OF JOIST**  
SCALE: 3/4\"/>



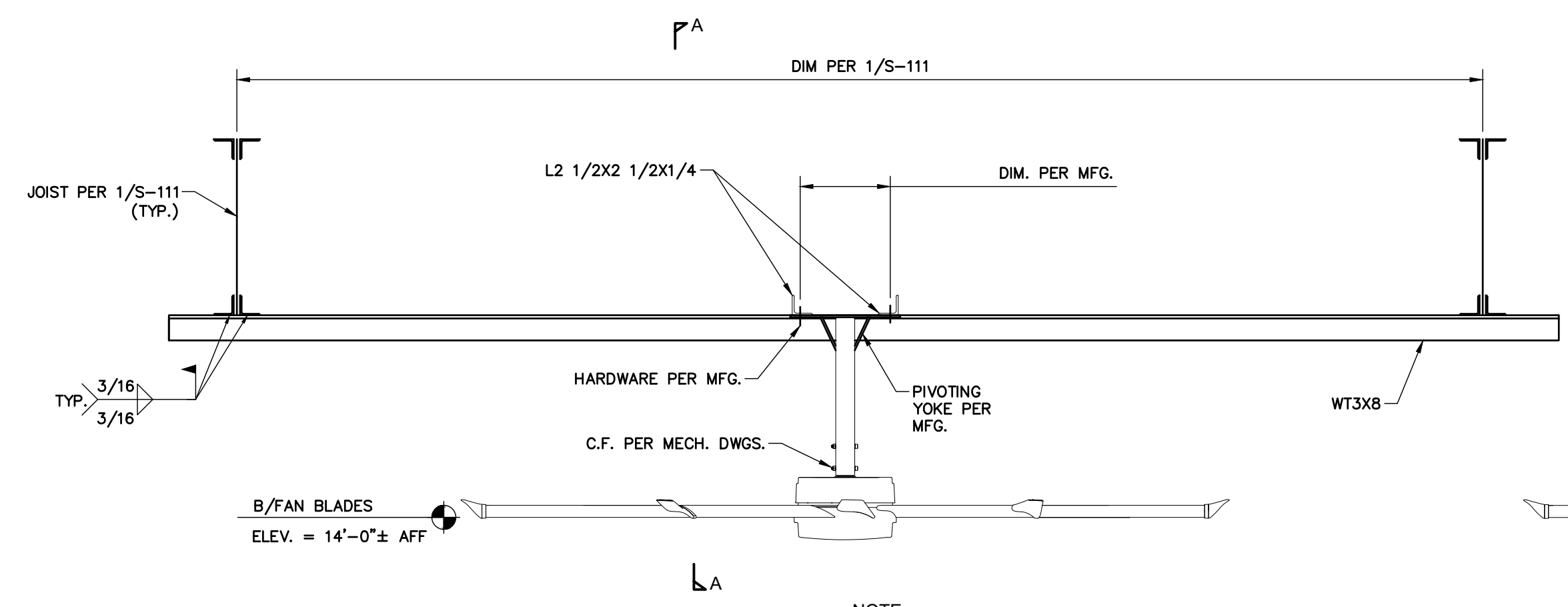
NOTE:  
1. GROUT JOIST INTO WALL WITH HIGH-STRENGTH, NON-METALLIC, NON-SHRINK GROUT.  
2. JOIST BEARING ON PLATE = 0'-4\"/>

**3 JOIST BEARING AT HIGH POINT OF JOIST**  
SCALE: 3/4\"/>



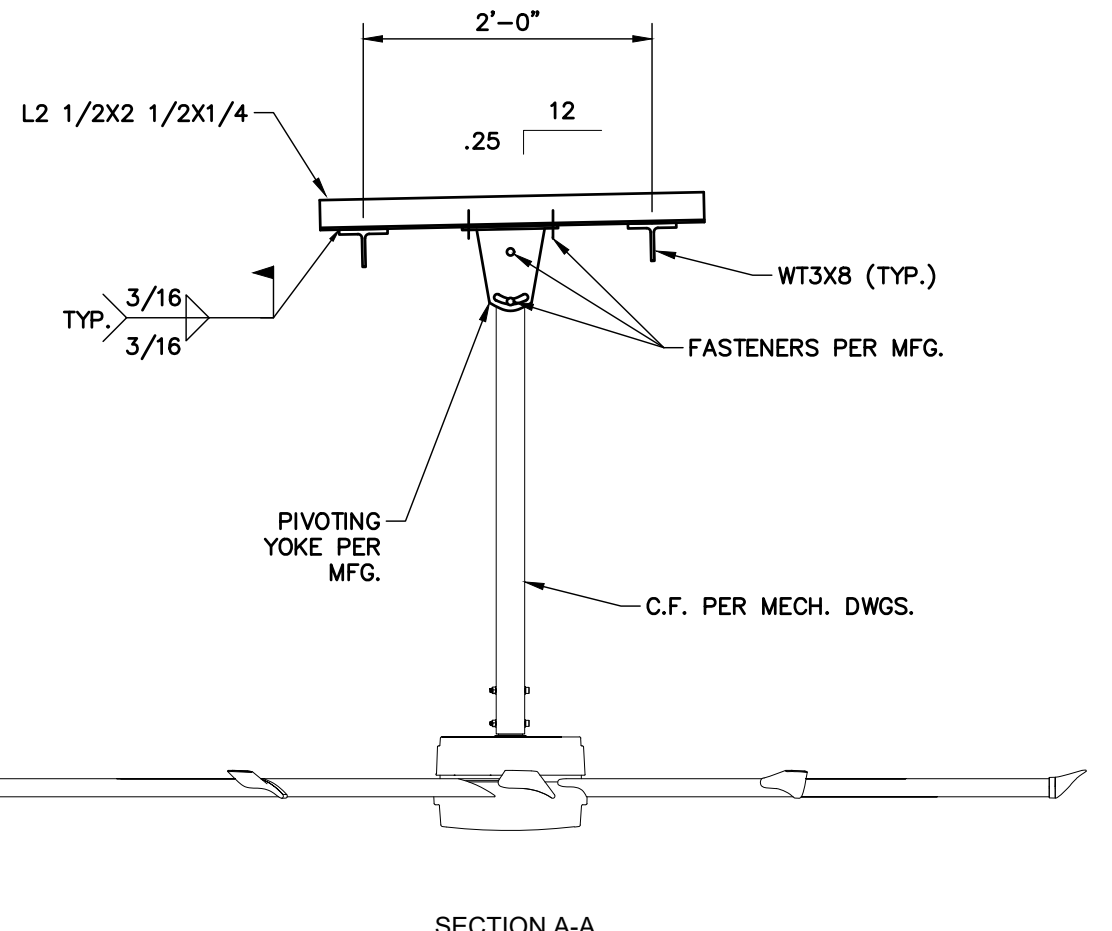
NOTE:  
1. CMU BLOCK, 4\"/>

**4 BRIDGING TERMINATION DETAIL AT 8\"/>**

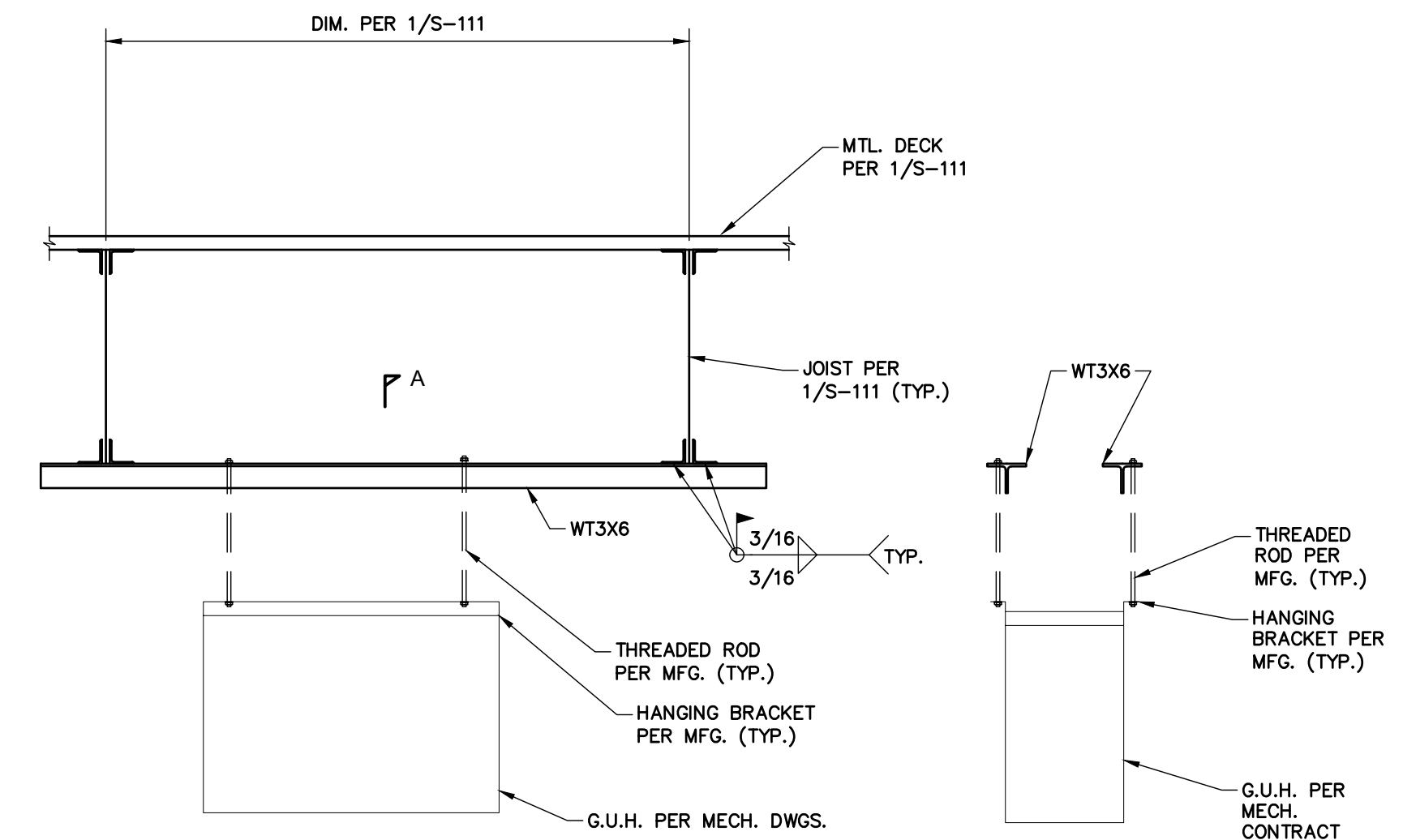


NOTE:  
1. VERIFY REQUIRED HEIGHT OF FAN BLADES PRIOR TO FAN INSTALLATION.

**5 SUPPLEMENTAL FRAMING FOR C.F.**  
SCALE: 3/4\"/>

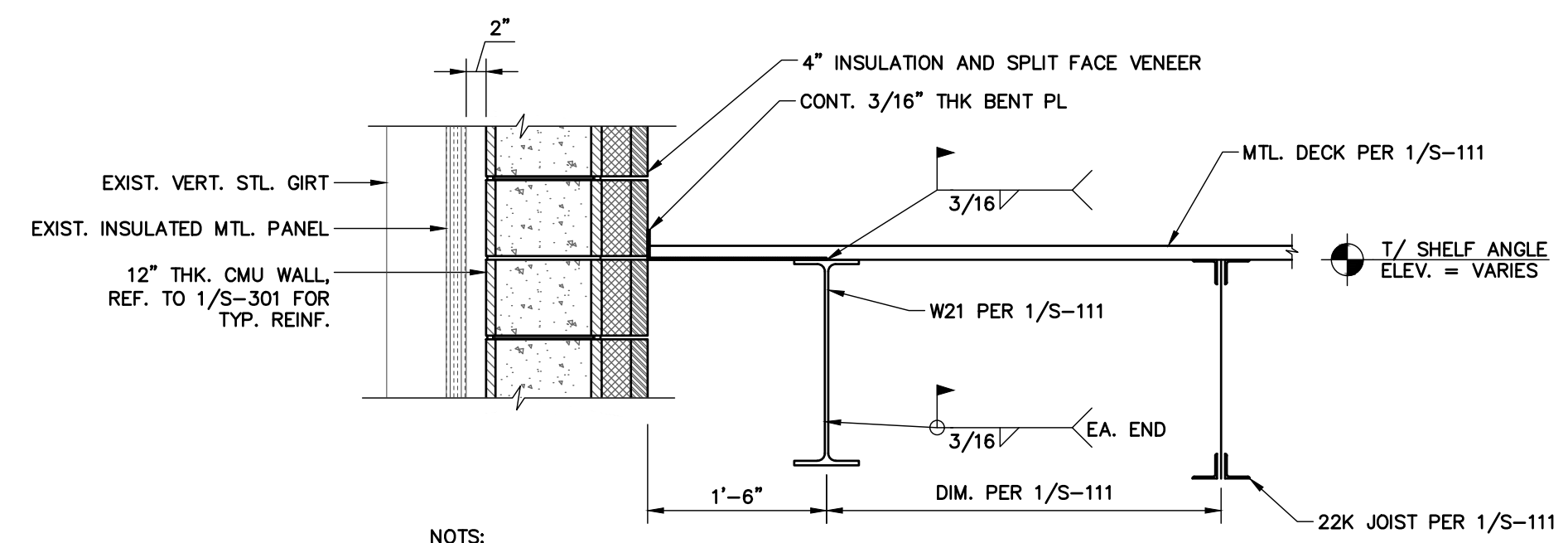


SECTION A-A



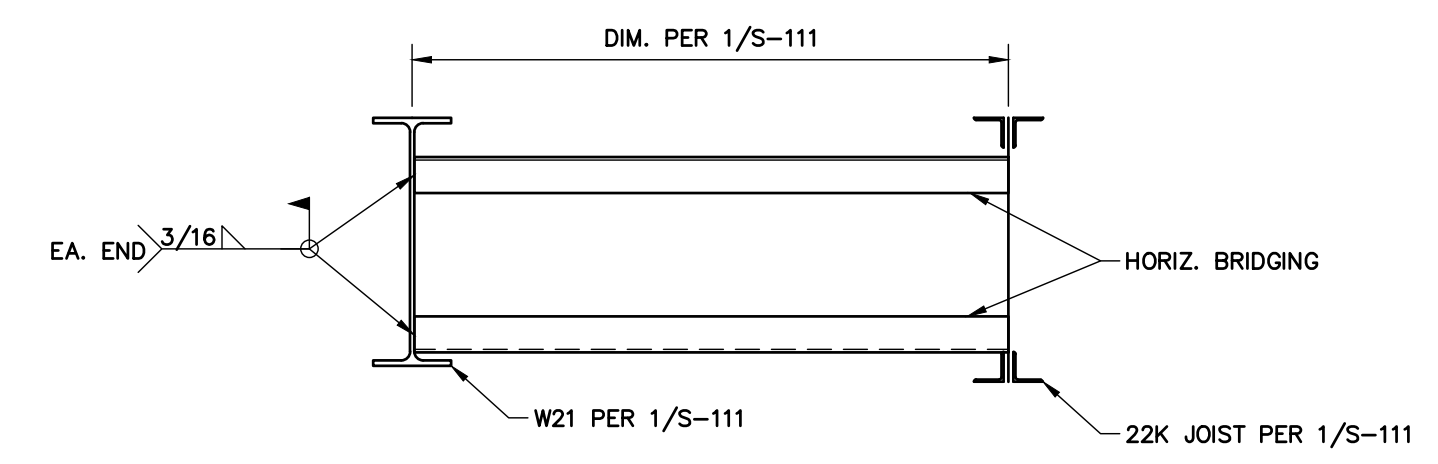
SECTION A-A

**6 SUPPLEMENTAL FRAMING FOR G.U.H.**  
SCALE: 3/4\"/>

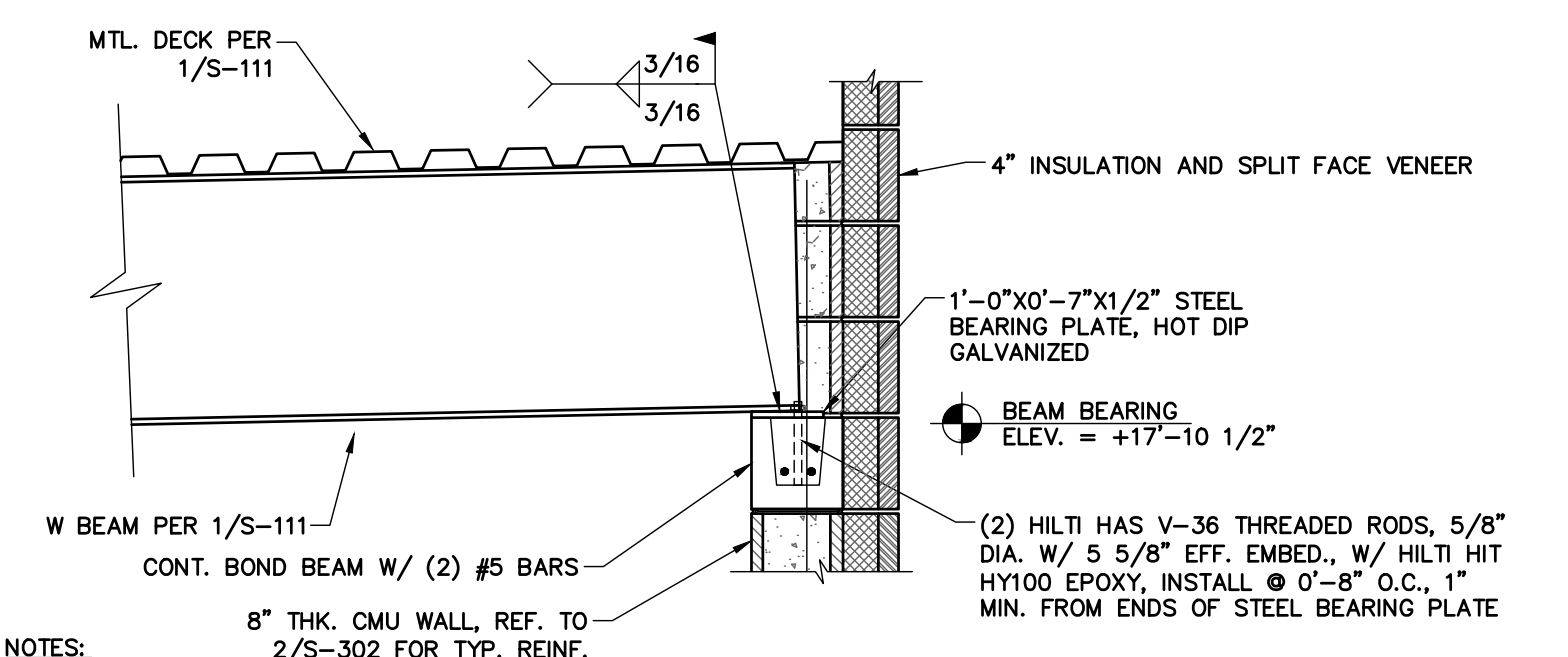


NOTE:  
1. PROVIDE BEARING AT END OF W-21 PER 9/S-311.  
2. CMU BLOCK, 4\"/>

**7 FRAMING SECTION AT 12\"/>**

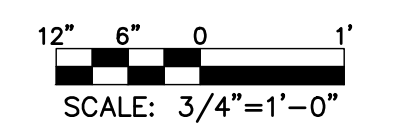


**8 BRIDGING TERMINATION DETAIL @ W21 BEAM**  
SCALE: 3/4\"/>



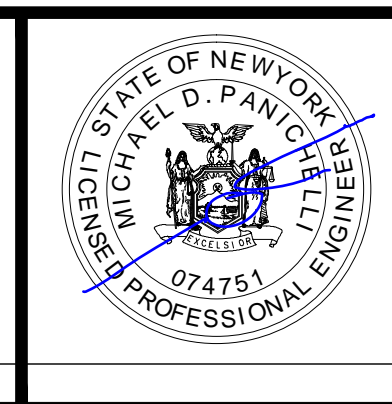
NOTE:  
1. DETAIL IS SIMILAR AT SOUTH MASONRY BEARING WALL.  
2. GROUT W-BEAM INTO WALL WITH HIGH-STRENGTH, NON-METALLIC, NON-SHRINK GROUT.  
3. BEAM BEARING ON PLATE = 0'-4\"/>

**9 W BEAM BEARING AT MASONRY WALL**  
SCALE: 3/4\"/>



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
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PROJ. MANAGER: MTF  
CHIEF DESIGNER: NGC  
DESIGNED BY:  
DRAWN BY:  
CHECKED BY:

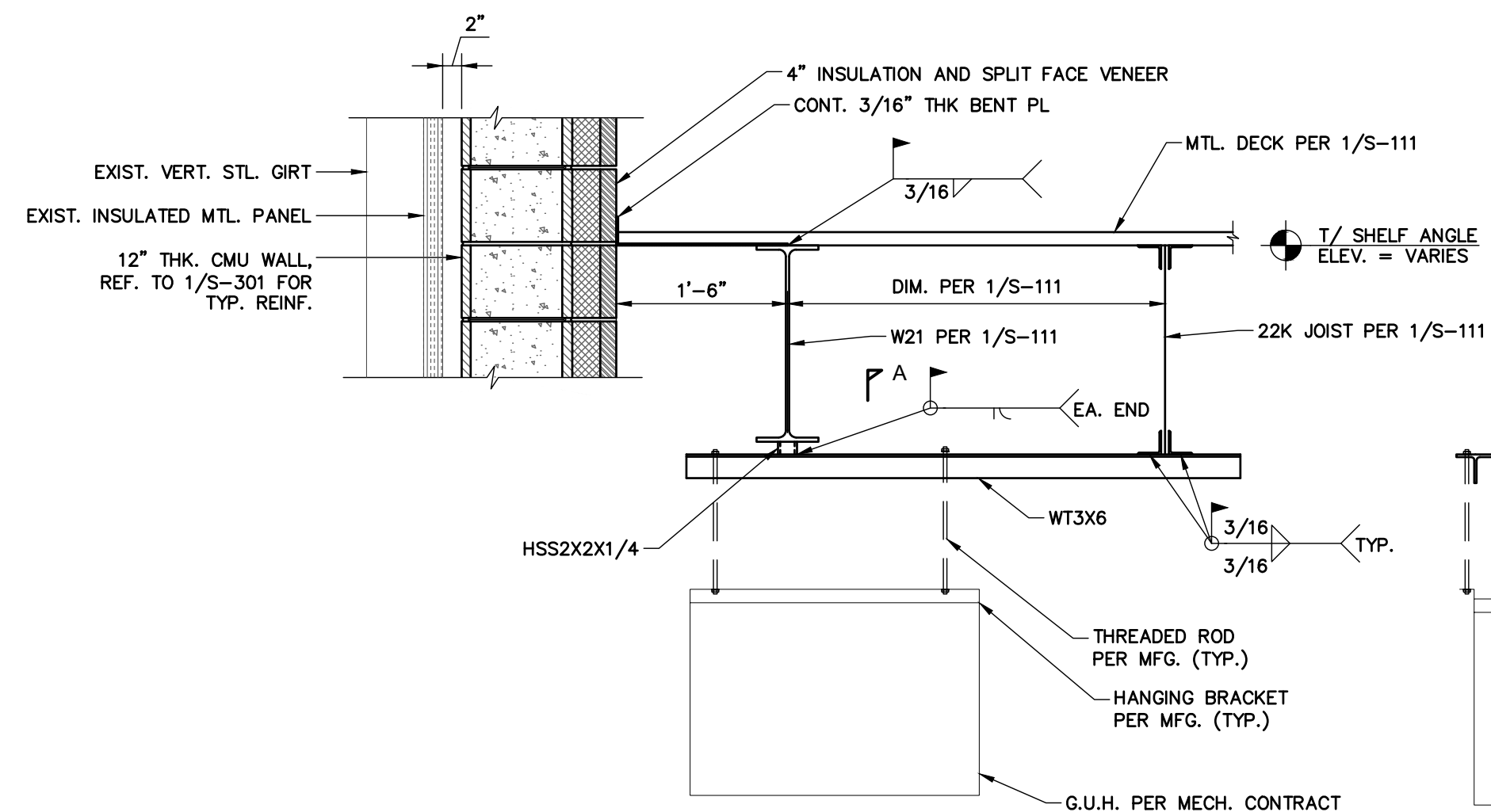


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FACILITY RENOVATIONS PHASE II  
**FRAMING SECTIONS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS SHOWN  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**S-311**

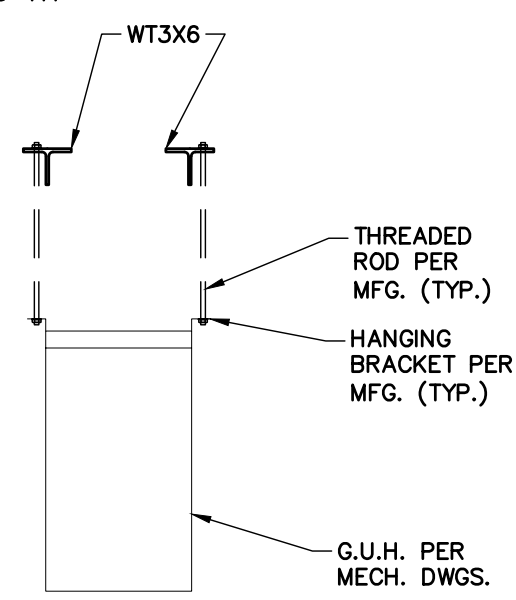


NOTE:

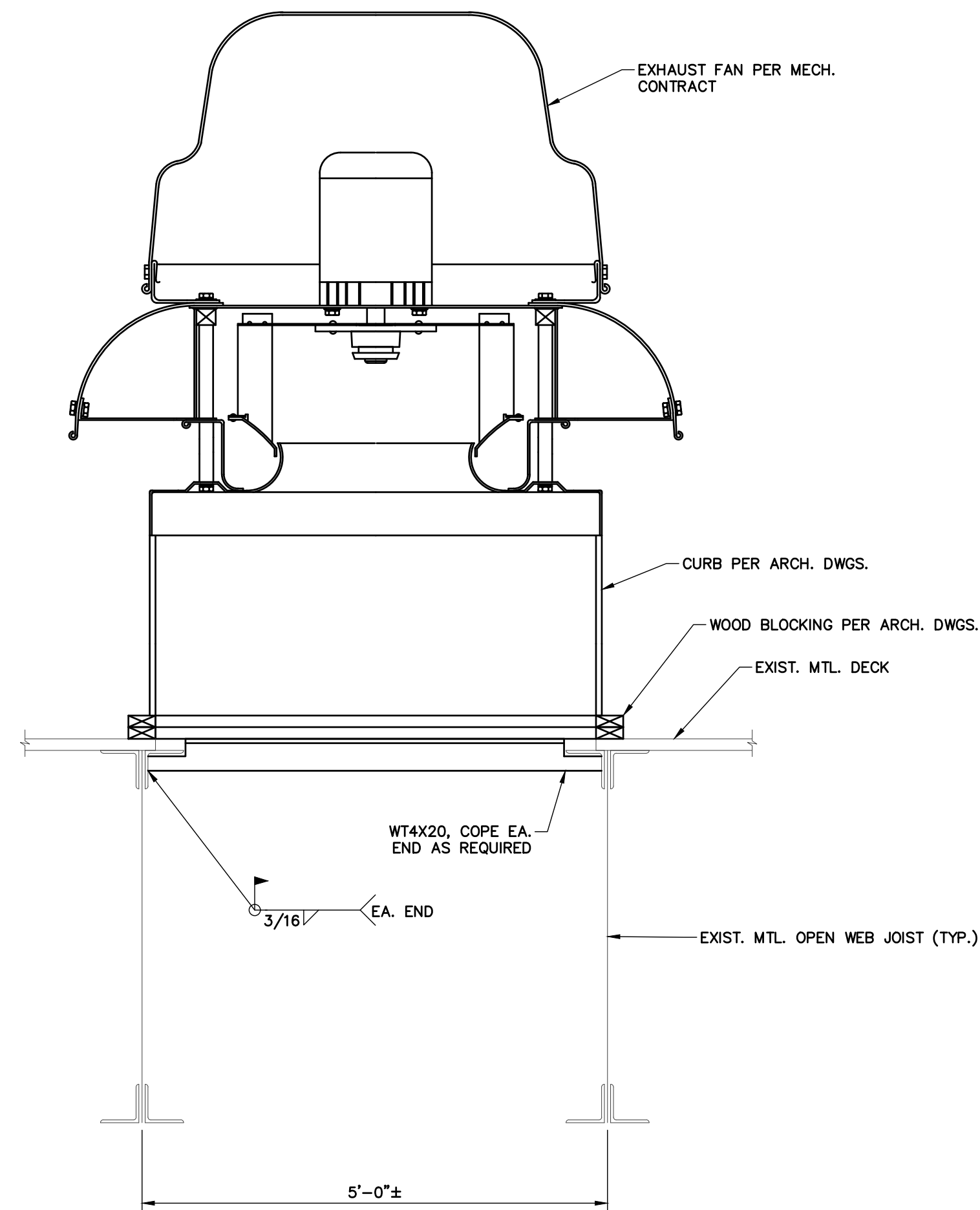
1. CMU BLOCK, 4" INSULATION, AND SPLIT FACE VENEER ARE ONE MANUFACTURED UNIT.

**1 SUPPLEMENTAL FRAMING FOR G.U.H. AT 12" THICK FIRE WALL**

SCALE: 3/4" = 1'-0"

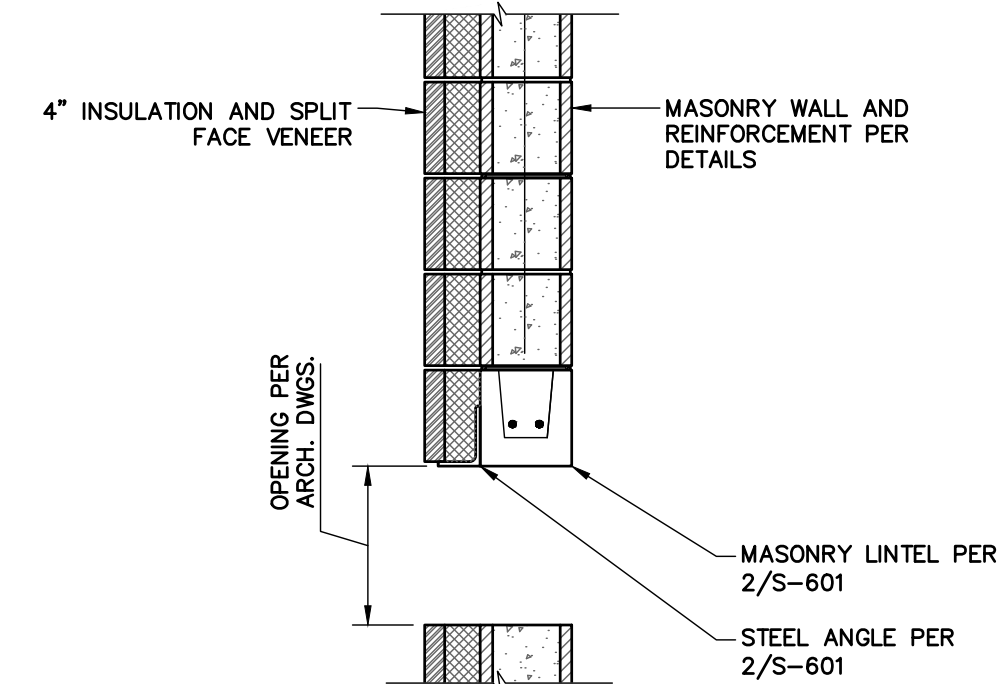


SECTION A-A



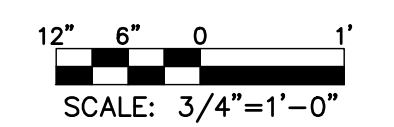
**2 SUPPLEMENTAL FRAMING FOR G.U.H. AT FIRE WALL**

SCALE: 3/4" = 1'-0"



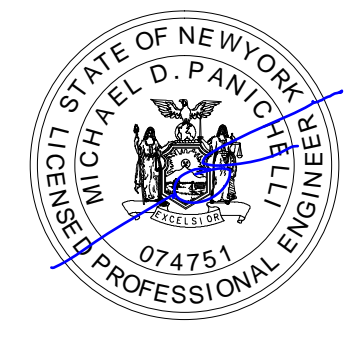
**3 MASONRY LINTEL DETAIL**

SCALE: 3/4" = 1'-0"

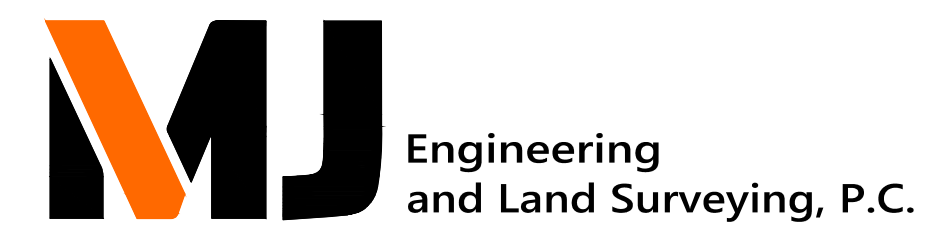


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON 2/5/2024

PROJ. MANAGER: MTF
CHIEF DESIGNER: NGC
DESIGNED BY:
DRAWN BY:
CHECKED BY:



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FACILITY RENOVATIONS PHASE II  
**FRAMING SECTIONS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS SHOWN
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

**S-312**

f'c = 5,000 psi	
MIN. LAP LENGTH (IN)	MIN. EMBED LENGTH
22	17
29	22
36	28
43	33
63	49
72	55
81	63
91	70
101	78
94	72
125	96

**NOTES:**

- TABLE TO BE INCLUDED ON ALL REINFORCED CONCRETE SHOP DRAWINGS.
- LENGTHS TABULATED HERE APPLY TO TENSION DEVELOPMENT LENGTHS OF UNCOATED DEFORMED BARS IN NORMAL WEIGHT CONCRETE WITHOUT 12" OF COVER BELOW HORIZONTAL REINFORCEMENT AND WITHOUT REGARD TO EXCESS REINFORCEMENT.

**1 TYP REINFORCING LAP LENGTH SCHEDULE**

SCALE: N.T.S.

MASONRY LINTEL SCHEDULE		
WALL THICKNESS AND TYPE	MASONRY OPENING WIDTH	
	UP TO 4'-0" 4" BRG. EA. END	8'-1" TO 12'-0" 8" BRG. EA. END
8" CMU (60 PSF) 12" CMU (90 PSF)	8" DEEP MASONRY W/ (1) #4 BAR TOP & BTM. W/ L3 1/2X5X3/8, LLV	16" DEEP MASONRY W/ (1) #6 BAR TOP & BTM. W/ L7X4X3/8, LLV

**LINTEL NOTES:**

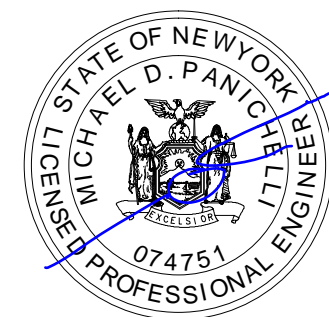
- WEIGHT OF MAS. UNITS, AS SHOWN IN TABLE, IS POUNDS PER SQUARE FOOT OF FACE AREA OF WYTHE INDICATED.
- SEE ARCH. AND STRUCT. DWGS. FOR LOCATION OF OPENINGS.
- GROUT CORES IN MASONRY WALL FOR 16" BELOW LINTELS, MIN.
- REFER TO 3/S-312 FOR TYPICAL LINTEL DETAIL AT MASONRY WALL.

**2 STEEL LINTEL SCHEDULE AND NOTES**

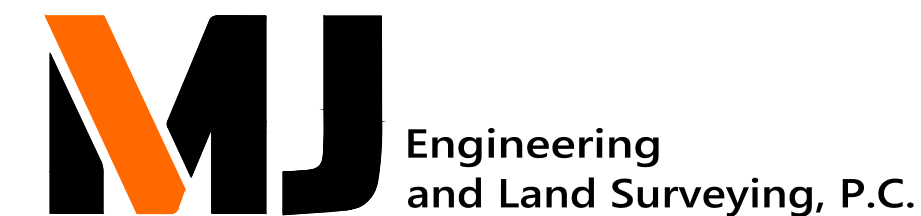
SCALE: NTS

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No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	TWS
DRAWN BY:	SNP
CHECKED BY:	NGC



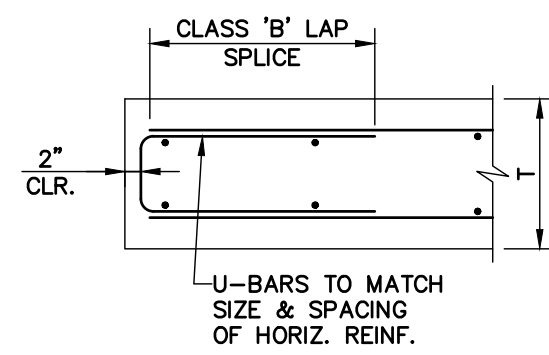
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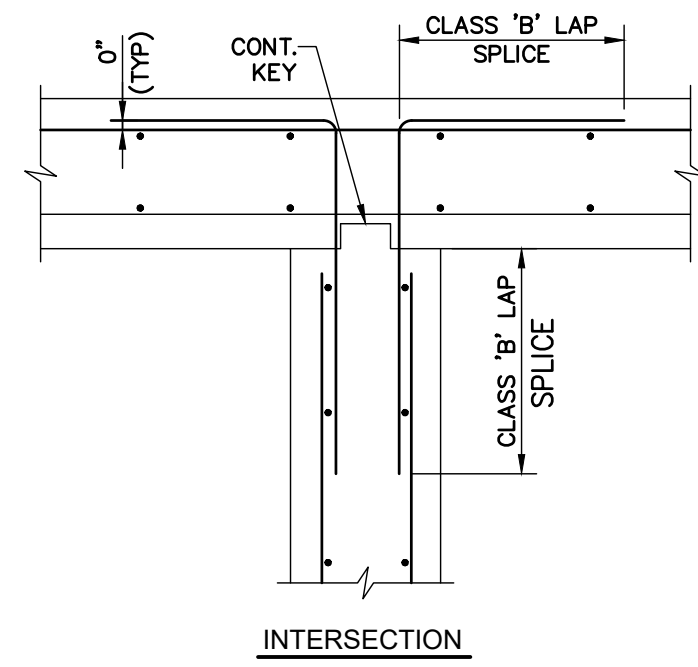
FACILITY RENOVATIONS PHASE II  
**SCHEDULES AND DIAGRAMS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: NOT TO SCALE  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

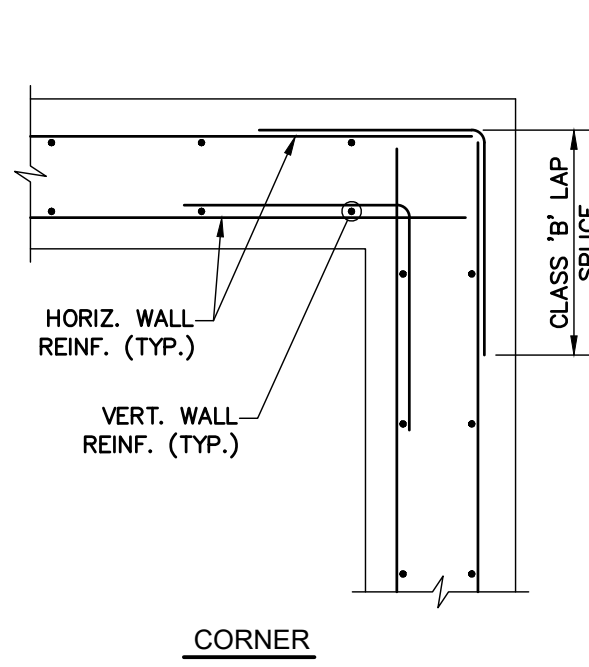
**S-601**



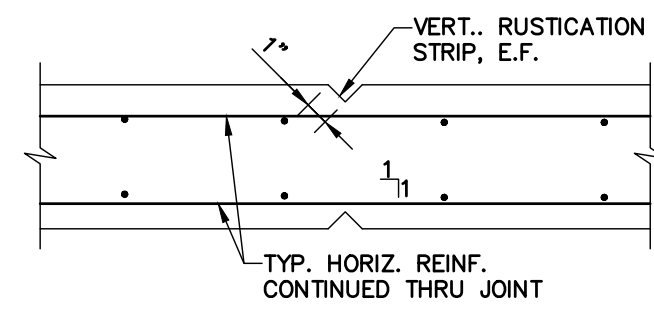
END



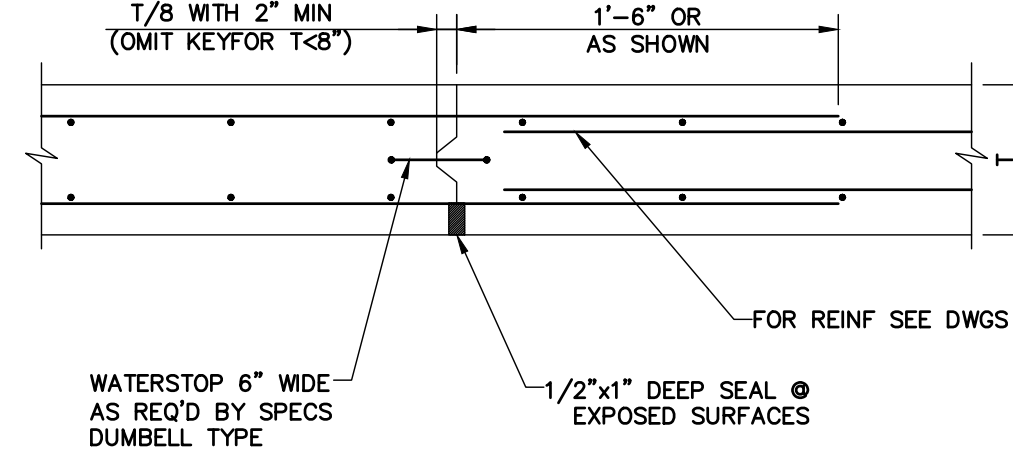
INTERSECTION



CORNER



WALL CONTROL JOINT



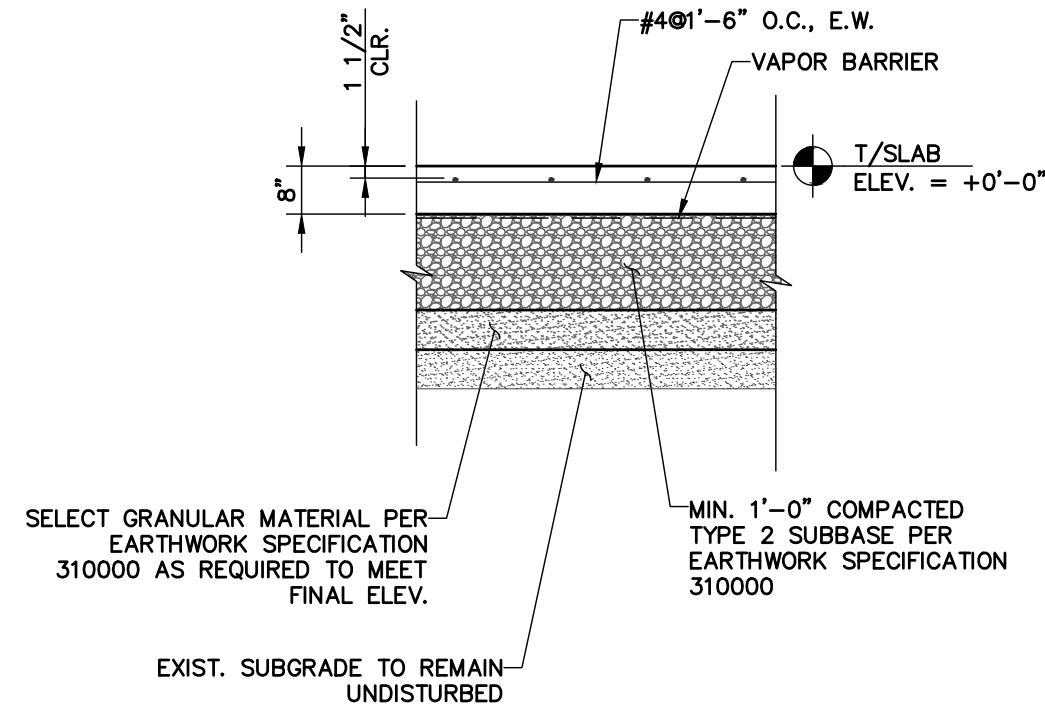
CONSTRUCTION JOINT

NOTE:

- FOR WALLS WITH SINGLE REINFORCEMENT (I.E. REINF. BARS AT CENTER OF WALL, ETC.), USE REINF DETAILS SIMILAR TO ABOVE DETAILS.
- FORM CONTROL JOINTS IN FOUNDATION WALLS WITH A MAXIMUM SPACING OF 10' ON-CENTER AND WITHIN 10' OF WALL CORNERS.

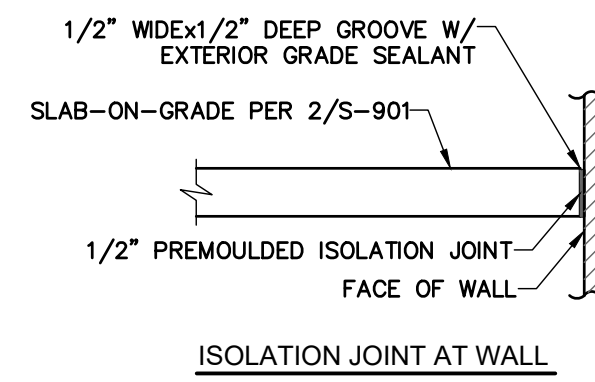
**1 TYP. HORIZONTAL WALL REINF.**

SCALE: N.T.S.



**2 TYP. CONCRETE SLAB-ON-GRADE**

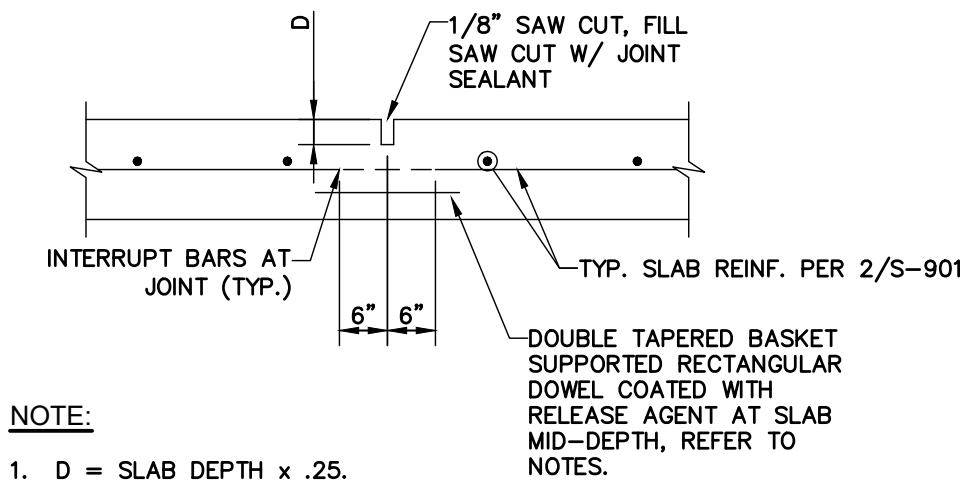
SCALE: N.T.S.



ISOLATION JOINT AT WALL

**5 TYP. SLAB-ON-GRADE ISOLATION JOINT DETAIL**

SCALE: N.T.S.

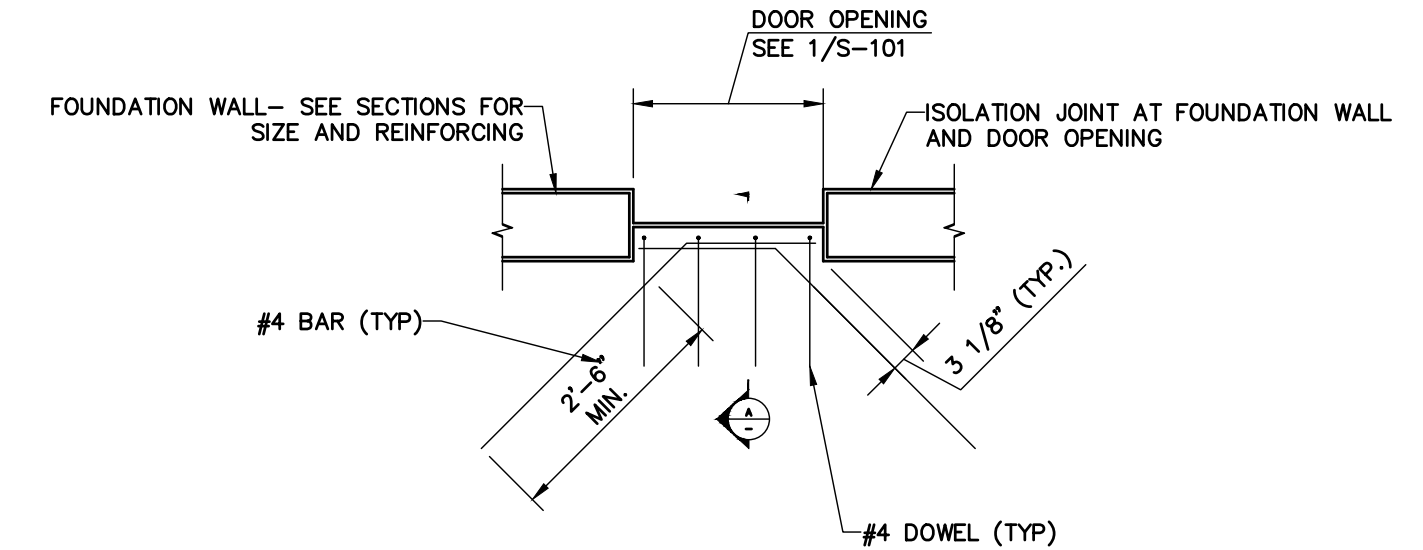


NOTE:

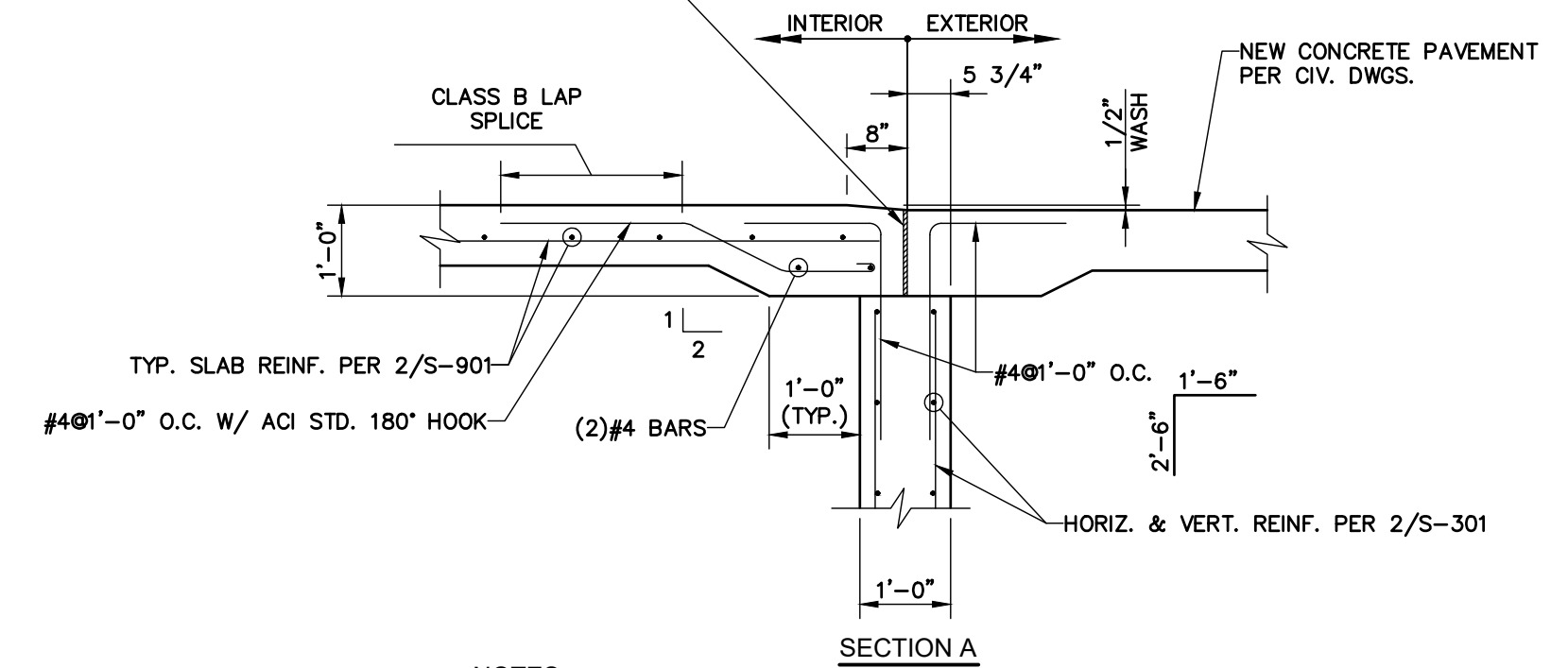
- D = SLAB DEPTH x .25.
- DOWEL DIMENSIONS = 1/2" x 3" x 12".
- DOWEL SPACING = 18".
- PLATES SHALL BE MANUFACTURED FROM A36 STEEL.
- PLATE SHALL BE HOT DIPPED GALVANIZED TO MEET ASTM A123 AND A385.
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

**3 SLAB-ON-GRADE CONTROL JOINT**

SCALE: N.T.S.



1/2" PREMOULDED ISOLATION JOINT WITH BACKER ROD AND EXTERIOR GRADE SEALANT



NOTES:

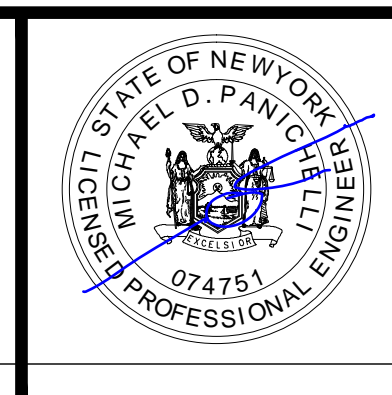
- REFER TO 2/S-301 FOR TYP. VERTICAL REINF. IN FOUNDATION WALL.
- REFER TO S-001 FOR MINIMUM CLEAR DISTANCES TO REINF.

**6 SECTION AT EXTERIOR DOOR OPENINGS**

SCALE: N.T.S.

SUBMITTAL / REVISIONS				
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0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	TWS
DRAWN BY:	SNP
CHECKED BY:	NGC

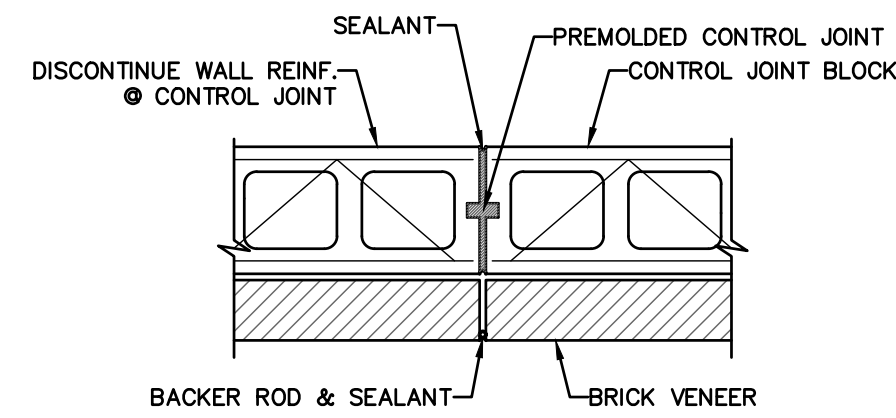


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FACILITY RENOVATIONS PHASE II  
**TYPICAL DETAILS CONCRETE**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

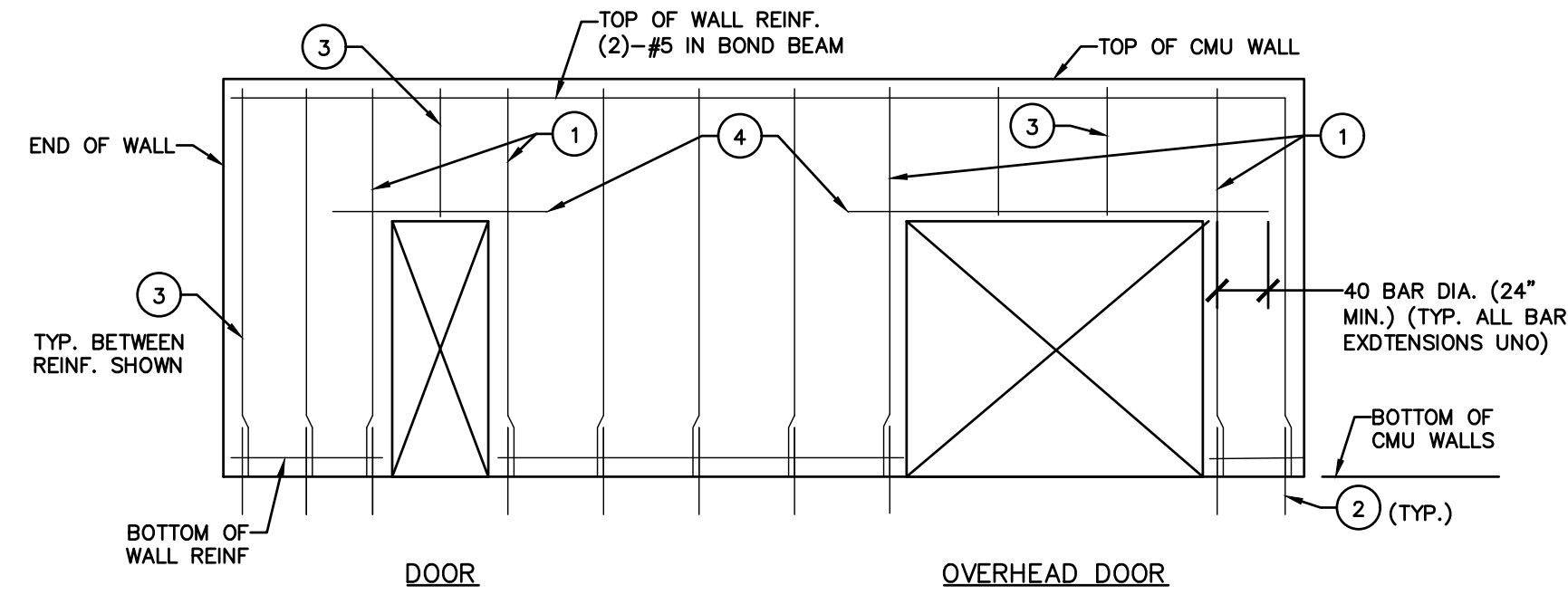
SCALE: N.T.S.
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>S-901</b>



**NOTE:**

1. ALIGN CONTROL JOINTS IN VENEER AND BACKUP.

**1 TYPICAL MASONRY CONTROL JOINT**  
SCALE: N.T.S.

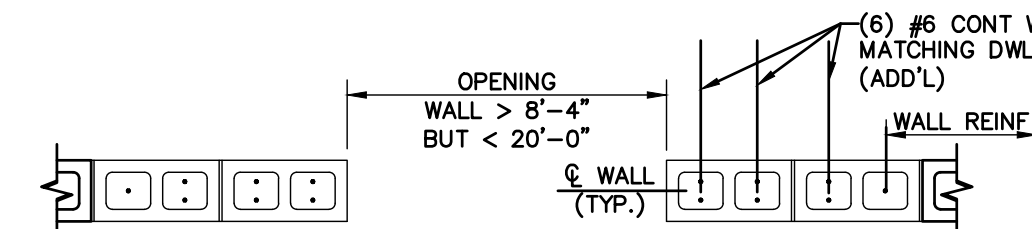
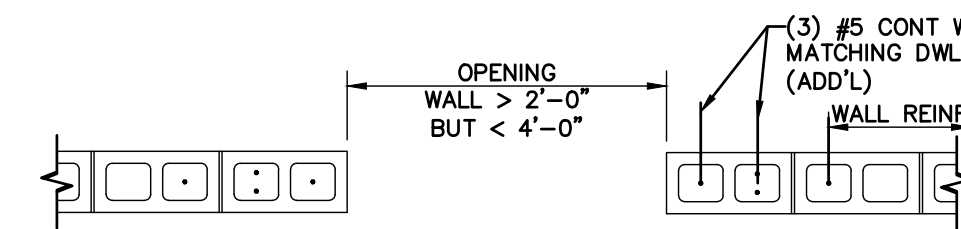


**NOTE:**

1. IF FULL LENGTH IS NOT AVAILABLE, EXTEND AS FAR AS POSSIBLE, HOOK 90°, THEN EXTEND. BEYOND BEND, REMAINDER OF LENGTH REQ'D (NOT LESS THAN 12").
2. HORIZONTAL LINTEL REINFORCEMENT SHALL NOT CROSS VERTICAL MASONRY CONTROL JOINTS. REFER TO NOTE NO. 1 ABOVE. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF VERTICAL MASONRY CONTROL JOINTS.

**2 TYPICAL MASONRY WALL REINFORCEMENT LAYOUT**  
SCALE: N.T.S.

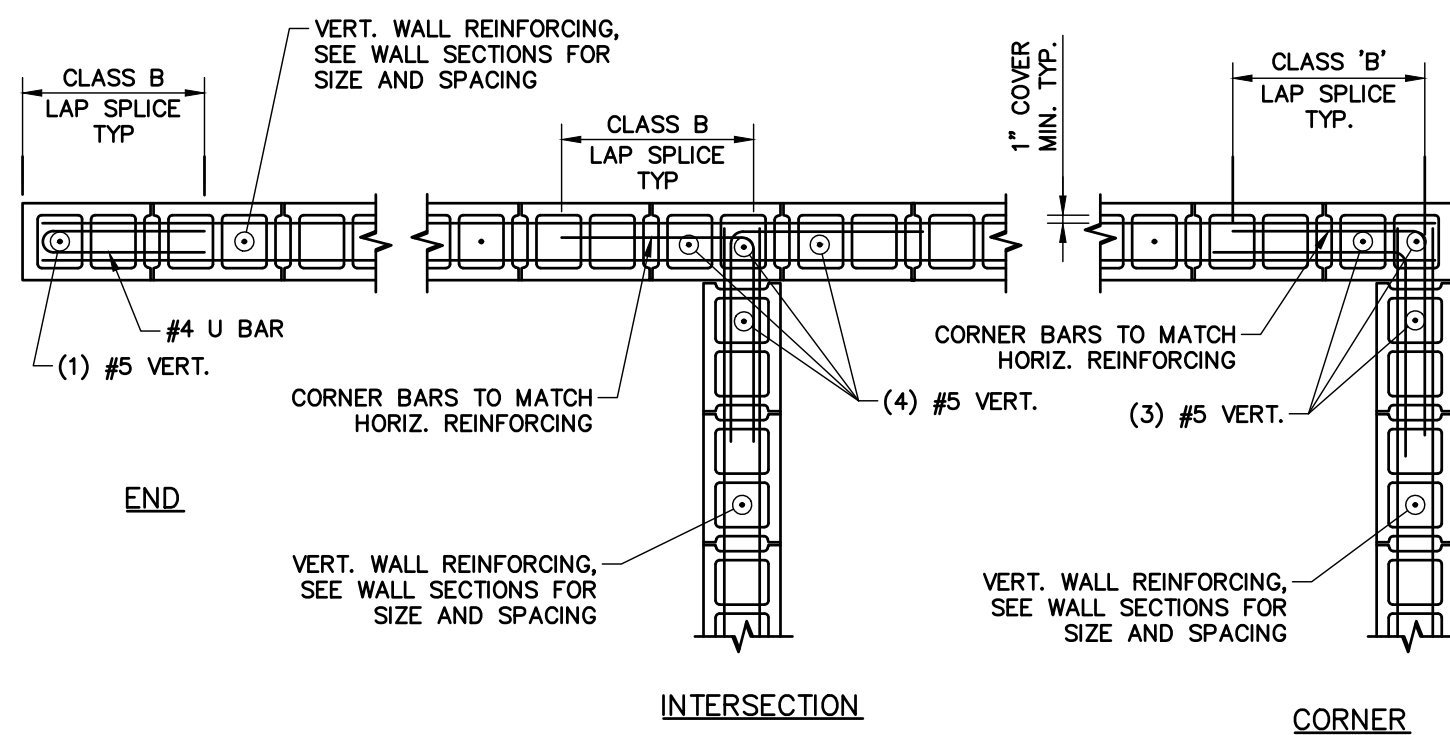
1. SEE TYPICAL CMU OPENING, ADDITIONAL REINF. DETAIL THIS DRAWING
2. DOWELS TO MATCH SIZE AND SPACING OF WALL REINFORCING.
3. BETWEEN BARS SHOWN, PROVIDE TYPICAL WALL REINF PER PLANS
4. SEE STEEL LINTEL SCHEDULE THIS DRAWING



**NOTES:**

1. PROVIDE CORRESPONDING FOUNDATION DOWEL AT EACH VERTICAL REINFORCING BAR.

**3 TYPICAL CMU OPENING ADDITIONAL REINF. DETAIL**  
SCALE: N.T.S.



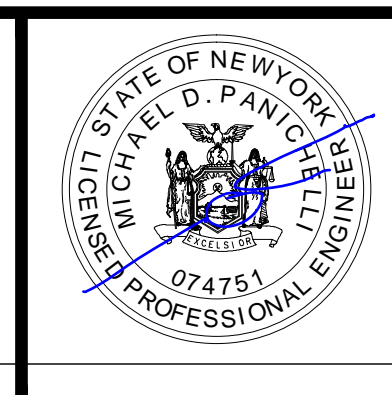
**NOTES:**

1. PROVIDE CORRESPONDING FOUNDATION DOWEL AT EACH VERTICAL REINFORCING BAR.

**4 TYP. BOND BEAM DETAILS**  
SCALE: SCALE

SUBMITTAL / REVISIONS				
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0	2/5/2024	ISSUED FOR CONSTRUCTION	TWS	M. FUESTON 2/5/2024

PROJ. MANAGER: MTF
CHIEF DESIGNER: NGC
DESIGNED BY: TWS
DRAWN BY: SNP
CHECKED BY: NGC



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FACILITY RENOVATIONS PHASE II  
**TYPICAL DETAILS MASONRY**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: N.T.S.
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>S-902</b>

**ABBREVIATIONS:**

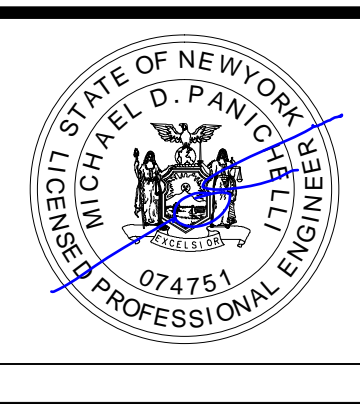
A.C.	ACOUSTICAL CEILING	GA	GAUGE	T. or T/	TOP
A.C.P.	ALUMINUM COMPOSITE PANEL	GALV.	GALVANIZED	T.B.R.	TO BE REMOVED
ACT	ACOUSTICAL CEILING TILE	G.B.	GRAB BAR	TEMP	TEMPERED
A.D.A.	AMERICANS WITH DISABILITIES ACT	GL.	GLASS	THK.	THICK (NESS)
AD	ACCESS DOOR	GWB	GYP SUM WALLBOARD	T.P.	TOILET PAPER DISPENSER
A.F.F.	ABOVE FINISHED FLOOR	H	HEIGHT	T.R.	TO REMAIN
AL	ALUMINUM	HCP.	HANDICAP (PED)	T.S.	FLOOR TRANSITION STRIP
ALUM.	ALUMINUM	H.C.W.	HOLLOW CORE WOOD	TYP.	TYPICAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	H.D.	HEAT DETECTOR	U.L.	UNDERWRITERS LABORATORIES INC
BOT.	BOTTOM	HDWRE.	HARDWARE	U.N.O.	UNLESS NOTED OTHERWISE
C.	CARPET	H.M.	HOLLOW METAL	U.O.N.	UNLESS OTHERWISE NOTED
CAB.	CABINET	HORZ.	HORIZONTAL	VCB	VINYL COVE BASE
C.B.	COVE BASE	HR.	HOUR	VCT	VINYL COMPOSITION TILE
CBB	CEMENTITIOUS BACKER BOARD	IBC	INTERNATIONAL BUILDING CODE	VERT.	VERTICAL
CDT.	CONDUIT	IECC	INTERNATIONAL ENERGY CONSERVATION CODE	VEST.	VESTIBULE
C.J.	CONTROL JOINT	IEBC	INTERNATIONAL EXISTING BUILDING CODE	VIF	VERIFY IN FIELD
CL.	CLOSET	INSUL.	INSULATED or INSULATION	VP	VINYL PLANK
CLG.	CEILING	INT.	INTERIOR	W	WIDTH
CLR.	CLEAR	IS	INTERIOR SIGN	W/	WITH
C.G.	CORNER GUARD	L.L.V.	LONG LEG VERTICAL	W.B.	WALL BUMPER
C.O.	CLEAN OUT	M.	MIRROR	W.C.	WATER CLOSET
CT	CERAMIC TILE	MAS.	MASONRY	WD.	WOOD
C.T.C.	CENTER TO CENTER	MAX.	MAXIMUM	W.H.	WATER HEATER
C.M.U.	CONCRETE MASONRY UNIT	MECH.	MECHANICAL	W.H.M.	WELDED HOLLOW METAL
COL.	COLUMN	MEP.	MECHANICAL, ELECTRICAL, PLUMBING	WL	WALL
CONC.	CONCRETE	MIN.	MINIMUM	W.M.	WATER METER
CONF.	CONFERENCE	MOD.	MODIFICATION		
CONST'N	CONSTRUCTION	M.O.	MASONRY OPENING		
CONT.	CONTINUOUS	MTL	METAL		
CONT'R	CONTRACTOR	MTD	MOUNTED		
CORR.	CORRIDOR	N.F.P.A.	NATIONAL FIRE PROTECTION ASSOCIATION		
CW	CASEWORK	NO.	NUMBER		
DEPT.	DEPARTMENT	N.T.S.	NOT TO SCALE		
DET.	DETAIL	N.Y.S.	NEW YORK STATE		
DIA.	DIAMETER	OCCP.	OCCUPANCY		
D.L.O.	DAY LIGHT OPENING	O.C.	ON CENTER		
DN.	DOWN	O.D.	OUTSIDE DIAMETER		
DP	DEMOUNTABLE PARTITION	O.A.	OVERHEAD		
DR.	DOOR	O/O	OUT TO OUT		
DWG.	DRAWING	OPP	OPPOSITE		
E.I.F.S.	EXT. INSULATED FIN. SYSTEM	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION		
ELEC.	ELECTRIC or ELECTRICAL	P.	PAINT		
ELEV.	ELEVATION	P.E.B.	PRE-ENGINEERED BUILDING		
E.M.	ENTRANCE MATTING	PF	PRE-FINISHED		
E.O.C.	EVERY OTHER COURSE	PL	PLASTIC LAMINATE		
EQ.	EQUAL	P.T.	PRESSURE TREATED		
EQUIP.	EQUIPMENT	P.T.D.&W.	PAPER TOWEL DISPENSER & WASTE		
E.W.	EACH WAY	P.V.C.	POLYVINYLCHLORIDE		
EX.	EXISTING	R.D.	ROOF DRAIN		
EXIST.	EXISTING	REF.	REFRIGERATOR		
EXIST'G	EXISTING	REQ.	REQUIRED		
EXT.	EXTERIOR	RM.	ROOM		
F/	FACE OF	R.O.	ROUGH OPENING		
F.D.	FLOOR DRAIN	R.P.T.D.&W.	RECESSED PAPER TOWEL DISPENSER & WASTE		
FDN.	FOUNDATION	R.R.	REST ROOM		
F.E.	RECESSED MTD. FIRE EXTINGUISHER CABINET	RSF	RESILIENT SHEET FLOORING		
F.E.C.	FIRE EXTINGUISHER CABINET	S.A.T.	SUSPENDED ACOUSTICAL TILE		
F.G.	FULL GLASS	SCHED.	SCHEDULE		
FIN.	FINISH (ED)	S.C.W.	SOLID CORE WOOD		
FLR.	FLOOR	S.D.	SOAP DISPENSER		
F.N.D.	FEMININE NAPKIN DISPENSER	S.F.	SQUARE FOOT		
FNDN.	FOUNDATION	S.R.F.E.C.	SEMI-RECESSED FIRE EXTINGUISHER CABINET		
F.R.R	FIRE RESISTANCE RATING	SIM.	SIMILAR		
F.S.	FLOOR STOP	STG./STOR.	STORAGE		
FT.	FOOT or FEET	STL	STEEL		

**GENERAL NOTES:**

- ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
- DIMENSIONS AND DETAILS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHALL BE FIELD VERIFIED BEFORE ORDERING MATERIALS AND PREFABRICATED ITEMS.
- PROVIDE WORKMANSHIP TO THE EXTENT THAT SATISFIES THE DIRECTOR'S REPRESENTATIVE, BUT NOT LESS THAN REQUIRED BY THE SPECIFICATIONS.
- COORDINATE THE SELECTION OF ALL COMPONENT COLORS, MODEL NUMBERS, SIZES, ETC. OF ALL BUILDING ELEMENTS WITH THE DIRECTOR'S REPRESENTATIVE BEFORE ORDERING MATERIALS.
- ALL WORKMANSHIP AND MATERIALS, UNLESS CARRYING A GUARANTEE BY A MANUFACTURER FOR A LONGER PERIOD OF TIME, SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL PAYMENT.
- PROVIDE THE DIRECTOR'S REPRESENTATIVE A COMPLETE MAINTENANCE & OPERATIONAL INSTRUCTIONS IN BOTH WRITTEN & VERBAL FORM FOR ALL PROVIDED ITEMS.
- REVIEW ALL CONSTRUCTION DOCUMENTS AND NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES IN THE DOCUMENTS AND IN FIELD CONDITIONS SHOWN ON THE DRAWINGS IN A TIMELY MANNER.
- PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL, MOST UP TO DATE, FEDERAL AND STATE CODES, RULES, REGULATIONS AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, 2020 UNIFORM CODE, AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND THE NEW YORK STATE LABOR DEPARTMENT, WHETHER OR NOT INFORMATION AND/OR WORK IS SPECIFICALLY SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE AT ALL TIMES. THIS INCLUDES THE REMOVAL OF ALL TRASH AND CONSTRUCTION DEBRIS AND PROVIDING FOR LEGAL DISPOSAL OF MATERIAL.
- ALL WORK SHALL BE PERFORMED IN THE BEST AND MOST PROFESSIONAL MANNER BY MECHANICS SKILLED IN THEIR RESPECTIVE TRADES.
- COORDINATE THE WORK INDICATED IN THESE CONSTRUCTION DOCUMENTS WITH THE DIRECTOR'S REPRESENTATIVE AND ANY ON GOING CONSTRUCTION.
- THIS FACILITY IS OCCUPIED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL METHODS AND MEANS OF CONSTRUCTION AND SHALL BE RESPONSIBLE TO THE DIRECTOR'S REPRESENTATIVE FOR PROVIDING A SAFE WORK ENVIRONMENT DURING THE CONSTRUCTION PERIOD. EVERY EFFORT SHALL BE MADE TO PROTECT THE OCCUPANTS, VISITORS AND STAFF FROM THE HAZARDS OF CONSTRUCTION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE ERECTION OF PROTECTION BARRIERS AND SIGNAGE. IN ADDITION, EXISTING EXITS, SAFE PUBLIC ACCESS AND EGRESS MUST BE MAINTAINED AT ALL TIMES.
- ANY EXISTING FIRE / SMOKE RATED PARTITIONS THAT ARE MODIFIED IN THE WORK INVOLVED IN THIS CONTRACT SHALL MAINTAIN FIRE / SMOKE RATING OF THE DESIGNATED PARTITION AT ALL TIMES.
- THE CONTRACTOR SHALL COORDINATE ALL WORK ASSOCIATED WITH THIS PROJECT WITH THE SUB-CONTRACTORS, TO PROVIDE A COMPLETE AND FINISHED PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND CORRECTING THEIR OWN WORKMANSHIP TO THE EXTENT THAT SATISFIES THE DIRECTOR'S REPRESENTATIVE.
- THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PREVENT THE SPREAD OF DUST, SMOKE, FUMES, ETC., THROUGHOUT THE BUILDING AND SURROUNDING AREA.
- ALL EXISTING EXTERIOR AND INTERIOR UTILITIES THAT ARE AFFECTED, IMPACTED OR IN THE WAY OF THE WORK IN THESE DOCUMENTS SHALL BE MODIFIED AT A MINIMUM ONLY AS MUCH AS REQUIRED TO ALLOW WORK TO BE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR SUPPORTING ANY MODIFIED UTILITIES DUE TO THIS WORK.
- REMOVE DEBRIS FROM AREA AS IT IS PRODUCED. DO NOT ALLOW MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN WASTE MATERIALS ON-SITE. TRANSPORT WASTE MATERIALS OFF DIRECTOR'S REPRESENTATIVES PROPERTY AND LEGALLY DISPOSE OF MATERIAL.
- COORDINATE STAGING AREA AND DUMPSTER LOCATION WITH DIRECTOR'S REPRESENTATIVE PRIOR TO START OF WORK.
- PREPARE, HAVE READY AND USE TEMPORARY ROOF COVERING IN THE CASE OF INCLEMENT WEATHER. PROTECT EXISTING BUILDING FROM WATER AND WIND DAMAGE. SECURE ALL CONTRACTOR SUPPLIED BUILDING MATERIAL FROM BLOWING AWAY.
- BUILDING SHALL BE LEFT IN A WEATHER TIGHT CONDITION AT THE END OF EACH DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING OR ADJUSTING INTERIOR ITEMS, THAT INCLUDES BUT IS NOT LIMITED TO FURNITURE, CHAIRS, AND BOXES, WHERE WORK IS REQUIRED AND MOVING OR ADJUSTING ITEMS BACK WHEN WORK IS DONE.

SUMMARY			
PUBLIC TRANSIT FACILITY REPAIRS AND ADDITION			
<b>COMPLIANCE STATEMENT</b>			
TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE FOLLOWING CODES AND STANDARDS.			
<b>APPLICABLE CODES</b>			<b>ABBREVIATED AS:</b>
2020 BUILDING CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)			BCNYS
2020 FIRE CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)			FCNYS
2020 EXISTING BUILDING CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)			EBCNYS
2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)			ECCNYS
2020 PLUMBING CODE OF NEW YORK STATE			
2020 MECHANICAL CODE OF NEW YORK STATE			
2020 FUEL GAS CODE OF NEW YORK STATE			
ICC ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES (ANSI A117.1)			
NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION			
NATIONAL ELECTRIC CODE NFPA 70 AS REFERENCED IN THE NEW YORK STATE CODE SERIES			
THE CODES LISTED ABOVE ARE BASED ON THE FOLLOWING DOCUMENTS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL AND ASHRAE INTERNATIONAL:			
2018 INTERNATIONAL BUILDING CODE			
2018 INTERNATIONAL FIRE CODE			
2018 INTERNATIONAL EXISTING BUILDING CODE			
2018 INTERNATIONAL ENERGY CONSERVATION CODE			
2016 EDITION OF THE ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS (ASHRAE 90.1-2016)			
<b>APPLICABLE STANDARDS</b>			
<b>PROJECT TYPE</b>			
EXISTING BUILDING CONSTRUCTION AND BUILDING ADDITION			
<b>PROJECT DESCRIPTION</b>			
THE OBJECTIVE OF THIS PROJECT IS TO MAKE MINOR REPAIRS TO THE EXISTING METAL PANEL FACADE, UPGRADE MULTIPLE EXISTING ROOMS WITHIN THE BUILDING, IMPROVE SITE INFRASTRUCTURE, UPGRADE THE EXISTING HVAC SYSTEM, PROVIDE OSHA COMPLIANT SAFETY TIE-OFFS, AND PROVIDE A 30'-0" x 40'-0" ADDITION ONTO THE EXISTING BUILDING FOR STORAGE.			
<b>BUILDING CODE SUMMARY</b>			
<b>CHAPTER DESCRIPTION</b>	<b>REQUIRED</b>	<b>PROVIDED</b>	<b>REFERENCE</b>
<b>3 USE AND OCCUPANCY CLASSIFICATION</b>			
GROUP B AND GROUP S-1	EXISTING GROUP B AND S-1	UNCHANGED	BCNYS 508
(MOTOR VEHICLE REPAIR GARAGES ARE CLASSIFIED AS STORAGE GROUP S-1, MODERATE HAZARD STORAGE (311.2))			
<b>4 SPECIAL DETAILS REQUIREMENTS BASED ON USE AND OCCUPANCY</b>			
ELEVATION OF IGNITION SOURCES	18" ABOVE THE FLOOR MIN	UNCHANGED	BCNYS 406.2.9
APPLIANCES LOCATION	NOT LESS THAN 8 FEET ABOVE THE FLOOR	YES	BCNYS 406.2.9.2
AUTOMATIC SPRINKLER SYSTEM	NO	NO	BCNYS 406.8.3
<b>5 GENERAL BUILDING HEIGHTS AND AREAS</b>			
ALLOWABLE BUILDING HEIGHT	55' (MAX)	26'	BCNYS TABLE 504.3
ALLOWABLE NUMBER OF STORIES	B, 3 STORY AND S-1, 2 STORY	1 STORY	BCNYS TABLE 504.4
ALLOWABLE AREA FACTOR	36,000 SF	12,500 SF	BCNYS TABLE 506.2
<b>6 CONSTRUCTION TYPE</b>			
CONSTRUCTION CLASSIFICATION	TYPE III-B		BCNYS 602.5
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS			
PRIMARY STRUCTURAL FRAME	0	0	BCNYS TABLE 601
BEARING WALL (EXTERIOR)	2 HR.	3 HR.	
BEARING WALL (INTERIOR)	0	0	
NONBEARING WALLS (EXTERIOR)	0	3 HR.	
NONBEARING WALLS (INTERIOR)	0	0	
FLOOR CONSTRUCTION	0	0	
ROOF CONSTRUCTION	0	0	
FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALL			
	X ≥ 30'	0 HR.	3 HR.
<b>7 FIRE AND SMOKE PROTECTION FEATURES</b>			
FIRE PARTITIONS	YES	YES (3 HR.)	BCNYS 708
SMOKE BARRIERS	N/A	N/A	BCNYS 709
<b>8 INTERIOR FINISHES</b>			
INTERIOR WALL AND CEILING FINISH REQUIREMENTS	Class B everywhere except enclosed Rooms to be C	Class A	BCNYS TABLE 803.13
INTERIOR FLOOR FINISH	Class II	Class II	BCNYS 804.4.2
<b>9 FIRE PROTECTION SYSTEMS</b>			
AUTOMATIC SPRINKLER SYSTEM	NO	NO	BCNYS 903
ALTERNATIVE FIRE EXTINGUISHING SYSTEM	NR	NR	BCNYS 904
PORTABLE FIRE EXTINGUISHERS	YES	YES	BCNYS 906
FIRE ALARM AND DETECTION SYSTEM	NR	NR	BCNYS 907
SMOKE DETECTION SYSTEM	NR	NR	BCNYS 907.2.11.7
CARBON MONOXIDE DETECTION	NR	NR	BCNYS 915.3
<b>10 MEANS OF EGRESS</b>			
OCCUPANT LOAD CALCULATION		4	BCNYS TABLE 1004.5
MEANS OF EGRESS SIZING			
STAIRWAYS	N/A (Factor of 0.3 per occupant)		BCNYS 1005.3.1
OTHER EGRESS COMPONENTS	.8 (Factor of 0.2 per occupant)	.8	BCNYS 1005.3.2
MINIMUM NUMBER OF EXITS	1	1	BCNYS 1006.2
ACCESSIBLE MEANS OF EGRESS	N/A	1	BCNYS 1009.1
EXIT ACCESS TRAVEL DISTANCE	200FT	114 FT	BCNYS 1017.2
CORRIDOR FIRE-RESISTANCE RATING	N/A	N/A	BCNYS TABLE 1020.1
DEAD END CORRIDOR	N/A	N/A	BCNYS 1020.4
<b>11 ACCESSIBILITY</b>			
SITE ARRIVAL POINT	YES	YES	BCNYS 1104.1
EMPLOYEE WORK AREA	YES	YES	BCNYS 1104.3.1
PUBLIC ENTRANCE	YES	YES	BCNYS 1105.1
PARKING	YES	YES	BCNYS 1106
TOILET AND BATHING FACILITIES	YES	YES	BCNYS 1109.2
SIGNAGE	YES	YES	BCNYS 1111
DRINKING FOUNTAINS	N/A	N/A	BCNYS 1109.5
<b>ENERGY CODE SUMMARY</b>			
<b>CHAPTER DESCRIPTION</b>	<b>REQUIRED</b>	<b>PROVIDED</b>	<b>REFERENCE</b>
<b>3 GENERAL REQUIREMENTS</b>			
PROJECT CLIMATE ZONE, DUTCHESS COUNTY	5A		ECCNYS TABLE C301.1
<b>4 COMMERCIAL ENERGY EFFICIENCY (PRESCRIPTIVE COMPLIANCE PATH)</b>			
BUILDING ENVELOPE REQUIREMENTS	Roof Deck: 30ci / Mass Walls: U-0.090	Roof Deck: R-30 / Walls: U-0.063	ECCNYS/UCS 402.1.3
BUILDING FENESTRATION	N/A	N/A	ECCNYS/UCS 402.4
FIXED FENESTRATION U-FACTOR	N/A	N/A	
OPERABLE FENESTRATION U-FACTOR	.45 max	.20	
ENTRANCE DOORS U-FACTOR	.77 max	.53	
SOLAR HEAT GAIN COEFFICIENT	N/A	N/A	ECCNYS/UCS 402.4
BUILDING MECHANICAL SYSTEMS	N/A	N/A	ECCNYS/UCS C403
ELECTRICAL POWER AND LIGHTING SYSTEMS	N/A	N/A	ECCNYS/UCS C405
SYSTEM COMMISSIONING	N/A	N/A	ECCNYS/UCS C408
<b>COMPLIANCE STATEMENT</b>			
SECTION C103.2.2 WRITTEN STATEMENT			
TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE.			

SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024



THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



FACILITY RENOVATIONS PHASE II  
**ABBREVIATIONS AND GENERAL NOTES**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

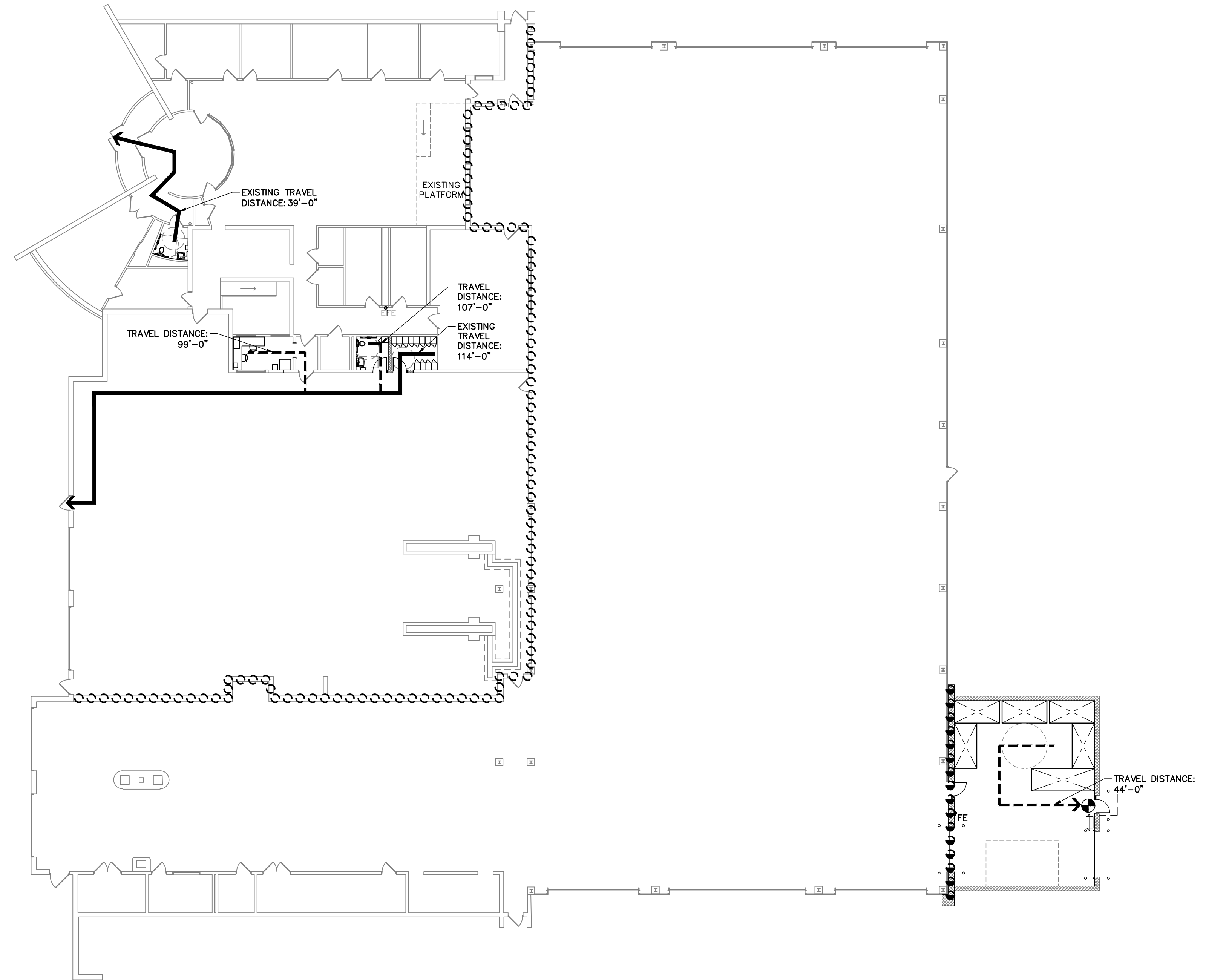
SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**A-001**

**LIFE SAFETY NOTES:**

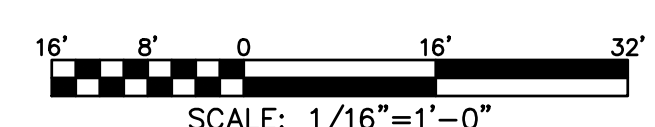
1. COMPLY WITH REQUIREMENTS OF SPECIFICATION SECTION 01 35 26 "SAFETY REQUIREMENTS".
2. EXISTING, ACTIVE, MEANS OF EGRESS SHALL BE MAINTAINED IN OPERATION AT ALL TIMES DURING CONSTRUCTION.
3. PIPES, CONDUITS, DUCTS ETC. PENETRATING THROUGH FLOORS, ROOFS AND RATED WALL ASSEMBLIES (FIRE AND SMOKE) SHALL BE SEALED WITH APPROVED FIRE RESISTIVE RATED SEALANT SUITABLE FOR THE APPROPRIATE HORIZONTAL OR VERTICAL APPLICATIONS.
4. ALL RATED WALLS SHALL BE IDENTIFIED. IDENTIFICATION SHALL BE STENCIL PAINTED OR VINYL DYE CUT, 4" HIGH UPPERCASE LETTERS INDICATING THE WALL RATING AS DESIGNATED IN THE PLANS. IDENTIFICATION SHALL BE LOCATED WITHIN 4'-0" OF INSIDE AND OUTSIDE CORNERS. ON EACH WALL IDENTIFICATION SHALL BE PLACED A MAXIMUM OF 12" ABOVE FINISHED CEILING HEIGHT BUT IN NO CASE SHALL ANY PIPES, CONDUITS, DUCTS ETC. COVER IDENTIFICATION. ADJUST HEIGHT FOR EASE OF VISIBILITY FROM FLOOR AT THESE LOCATIONS.
5. CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH NFPA STANDARDS AND AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.

**LIFE SAFETY LEGEND:**

- (XX'-X") → GENERAL EGRESS PATH WITH DISTANCE FROM EGRESS END POINT TO EXIST ENCLOSURE
- EXISTING GENERAL EGRESS PATH TO REMAIN
- ○ ○ EXISTING 3 HR FIRE RATED WALL
- ● ● NEW 4 HR FIRE RATED WALL
- EFE EXISTING FIRE EXTINGUISHER TO REMAIN
- FE WALL MOUNTED FIRE EXTINGUISHER
- ⊙ ELECTRIC WALL MOUNTED EXIT SIGN
- ↔ WALL MOUNTED EMERGENCY LIGHT PACK

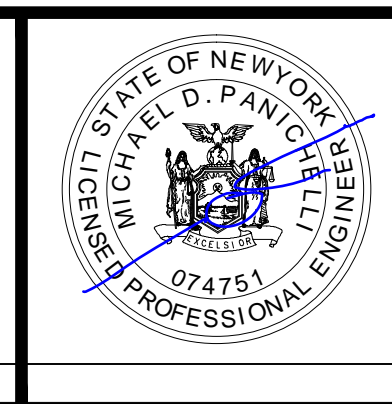


**1 LIFE SAFETY PLAN**  
SCALE: 1/16" = 1'-0"



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No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER: MTF
CHIEF DESIGNER: NGC
DESIGNED BY: SMB
DRAWN BY: SMB
CHECKED BY: NGC



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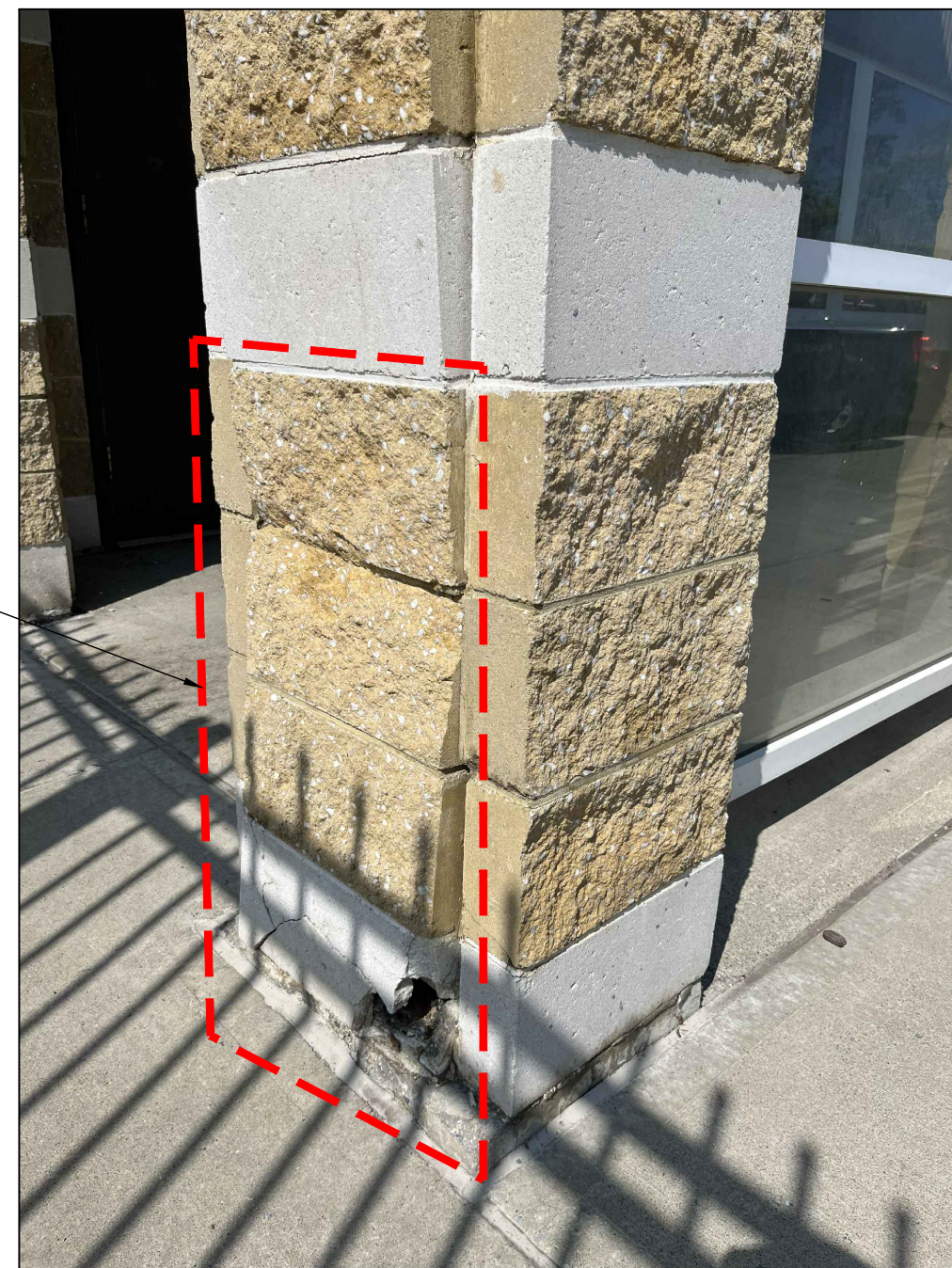
FACILITY RENOVATIONS PHASE II  
**LIFE SAFETY PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>A-002</b>



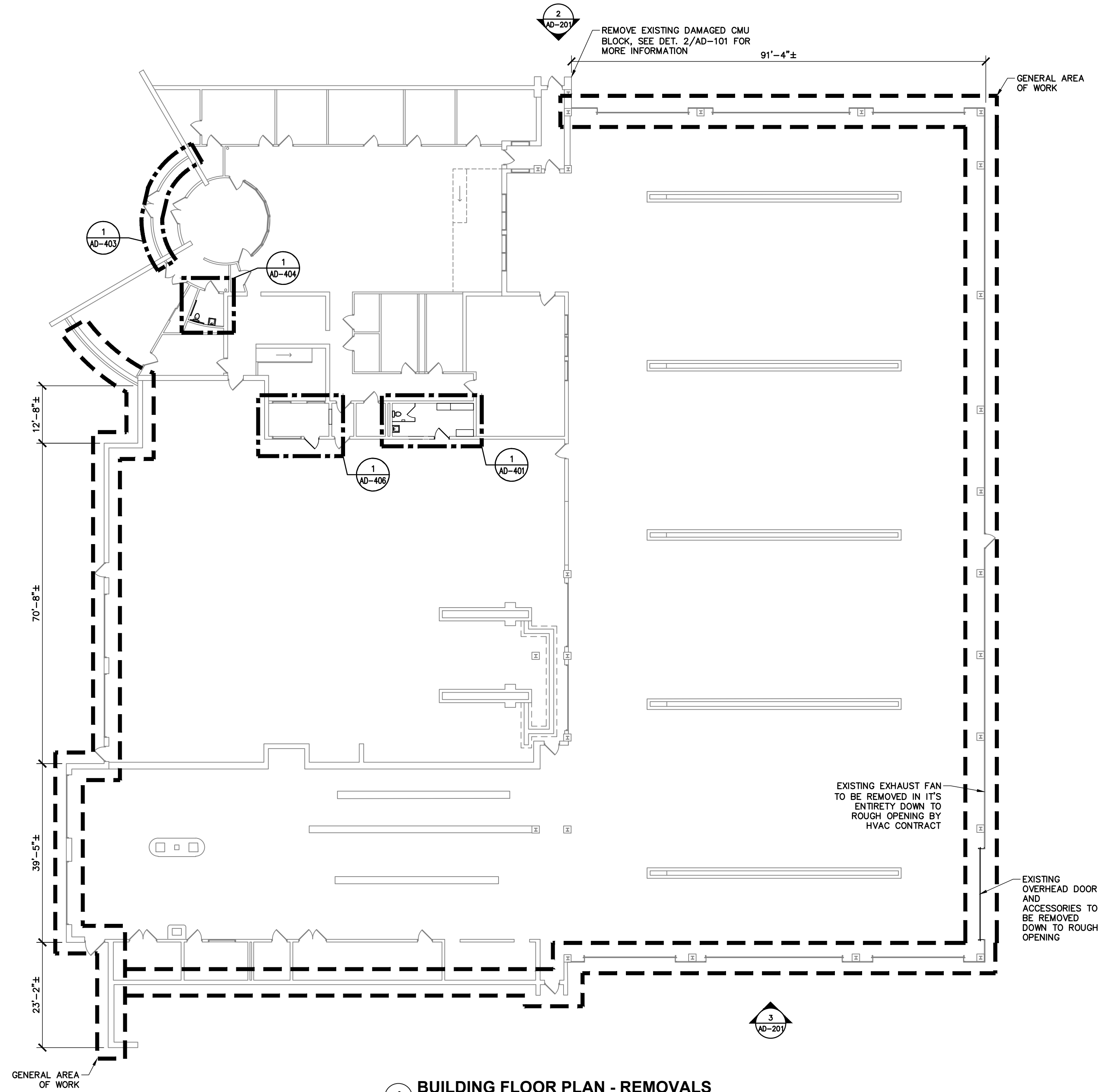
**REMOVALS NOTES:**

- DRAWINGS SHOW GENERAL SCOPE OF SELECTIVE REMOVAL WORK. CONTRACTOR SHALL PROVIDE ALL WORK AS REQUIRED FOR SELECTIVE DEMOLITION.
- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR APPROVED METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR AND MIGRATING BEYOND GENERAL AREA OF WORK.
- DO NOT INTERRUPT EXISTING UTILITY SERVICES WITHOUT AUTHORIZATION FROM DIRECTOR'S REPRESENTATIVE. PROVIDE TEMPORARY SERVICE DURING INTERRUPTIONS.
- ALL ITEMS REMOVED DURING DEMOLITION ARE TO BE LEGALLY DISPOSED OF.
- PROMPTLY REPAIR ADJACENT SURFACES THAT ARE TO REMAIN AND THAT ARE DAMAGED BY THE DEMOLITION.
- PHOTO DOCUMENT EXISTING SPACES INDICATED TO HAVE WORK COMPLETED PRIOR TO ANY WORK BEING DONE.
- PRIOR TO WORK STARTING, THE CONTRACTOR SHALL CONFIRM WITH THE DIRECTOR'S REPRESENTATIVE ALTERNATE EGRESS ROUTES AND COORDINATE THE LENGTH OF TIME AND TEMPORARY SIGNAGE NEEDED TO TEMPORARILY CLOSE THE MEANS OF EGRESS AND EXIT DOORS IMPACTED BY THE WORK IN THIS CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING FALL PROTECTION PROCEDURES, INCLUDING BUT NOT LIMITED TO REGULATIONS OUTLINED BY OSHA, FOR ALL PERSONS WORKING ON OR INSPECTING THE EXTERIOR MATERIAL AND ENFORCING THOSE PROCEDURES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT TO ACCESS THE EXTERIOR MATERIAL TO BE WORKED ON. THIS INCLUDES BUT IS NOT LIMITED TO SCAFFOLDING, PLATFORMS AND LIFTS, ALONG WITH ALL ASSOCIATED ACCESSORIES INCLUDING BUT NOT LIMITED TO COUNTER WEIGHTS, RIGGING AND TIE OFF POINTS.
- ALL WORK DONE ON THE EXTERIOR SHALL BE DONE SO THAT NO DEBRIS IS ALLOWED TO FALL FROM WORK AREA.
- A WORK SCHEDULE AND SEQUENCE PLAN FOR EXTERIOR WORK SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL BEFORE ANY EXTERIOR WORK IS STARTED.
- THE CONTRACTOR SHALL PROGRESS METAL WALL PANEL WORK IN THE MOST EFFICIENT MANNER SO AS NOT TO HAVE AN OPENING IN THE EXTERIOR WALL FOR MORE THAN A SINGLE WORK DAY.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE INTERIOR OF THE BUILDING WEATHER TIGHT DURING METAL WALL PANEL WORK. ERECT TEMPORARY WEATHER TIGHT BARRIERS AS REQUIRED OR AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.
- THIS FACILITY WILL REMAIN IN OPERATION DURING THIS WORK. ENSURE SAFE PASSAGE OF ALL PERSONS AROUND WORK AREAS, BOUNDARY FENCE AS REQUIRED AND/OR AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ALL REQUIRED EGRESS ROUTES.

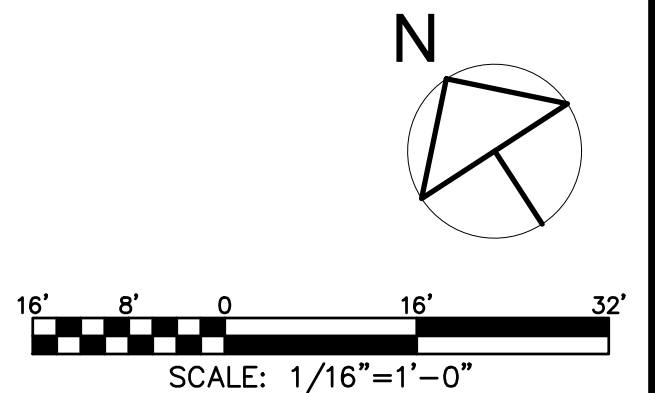


REMOVE EXISTING DAMAGED 8" CMU BLOCK AND ASSOCIATED GROUT FOR REPLACEMENT

**2 DAMAGED CMU REMOVAL**  
SCALE: N.T.S.

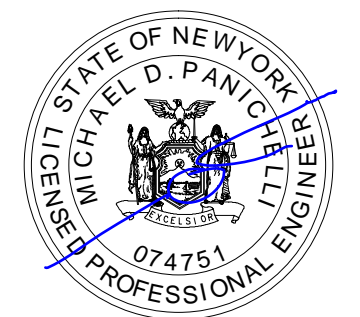


**1 BUILDING FLOOR PLAN - REMOVALS**  
SCALE: 1/16" = 1'-0"

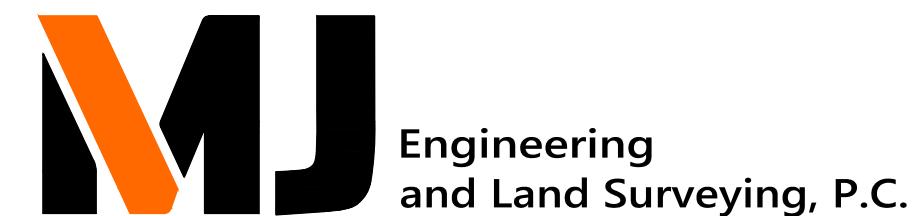


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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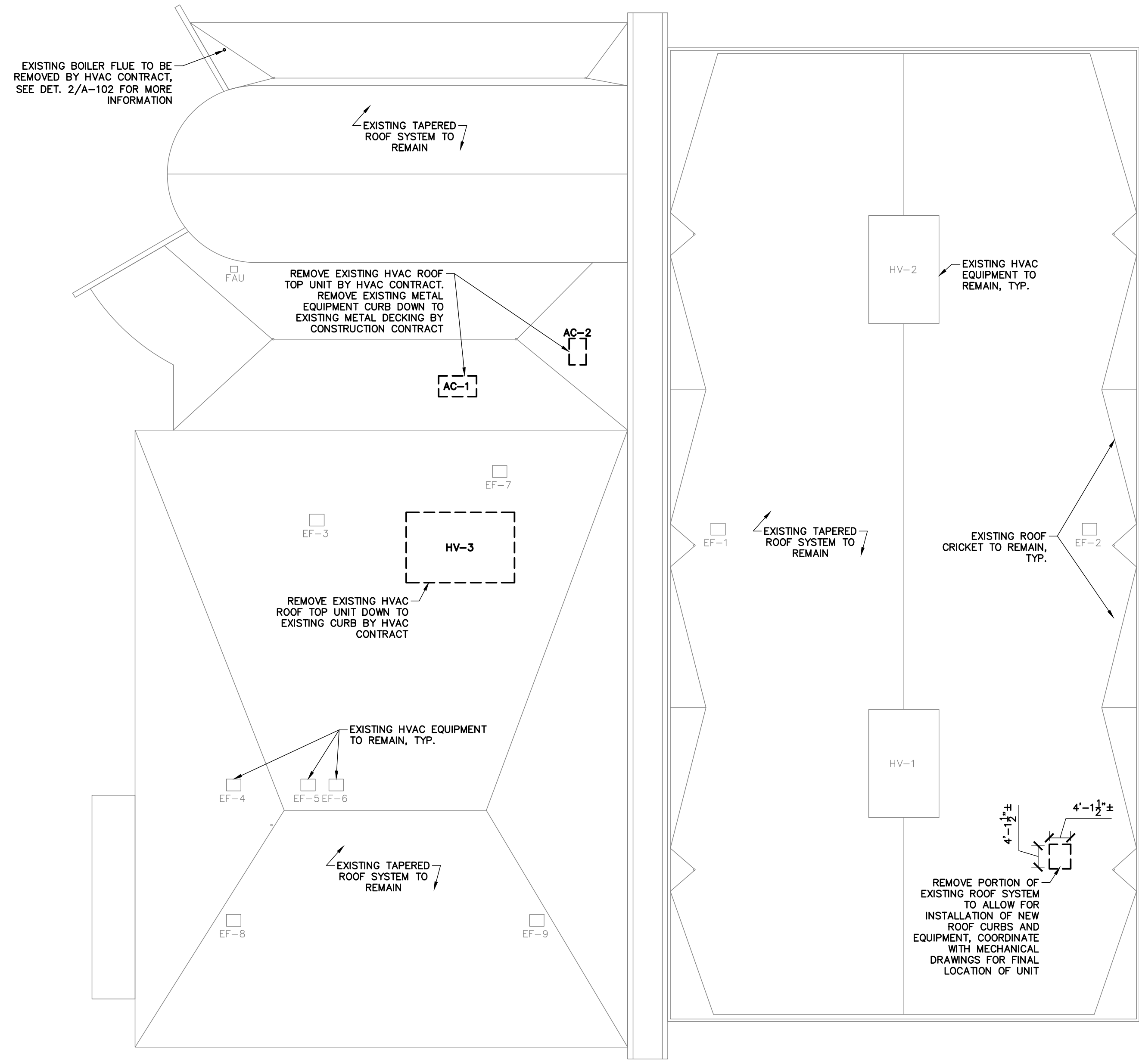
FACILITY RENOVATIONS PHASE II  
**EXISTING BUILDING FLOOR PLAN - REMOVALS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

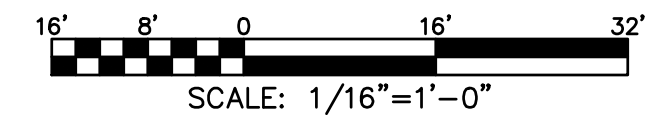
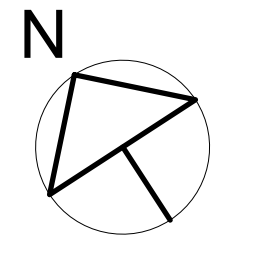
**AD-101**

**ROOF REMOVAL NOTES:**

1. REMOVE DEBRIS FROM AREA AS IT IS PRODUCED. DO NOT ALLOW MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN WASTE MATERIALS ON-SITE. TRANSPORT WASTE MATERIALS OFF OF THE PROPERTY AND LEGALLY DISPOSE OF MATERIAL.
2. COORDINATE STAGING AREA AND DUMPSTER LOCATION WITH DIRECTOR'S REPRESENTATIVE PRIOR TO START OF WORK.
3. PREPARE, HAVE READY AND USE TEMPORARY ROOF COVERING IN THE CASE OF INCLEMENT WEATHER. PROTECT EXISTING BUILDING FROM WATER AND WIND DAMAGE. SECURE ALL CONTRACTOR SUPPLIED BUILDING MATERIAL FROM BLOWING AWAY.
4. PROTECT ALL EXISTING LANDSCAPING, EQUIPMENT AND WALKWAYS FROM ROOF REMOVAL AND CONSTRUCTION DEBRIS. CONTRACTOR IS RESPONSIBLE TO REPLACE DAMAGED OR DESTROYED LANDSCAPING AND WALKWAYS AT NO ADDITIONAL COST TO THE DIRECTOR'S REPRESENTATIVE.
5. THE CONTRACTOR SHALL PROCEED WITH ONLY AS MUCH ROOF EQUIPMENT REMOVAL THAT CAN BE REPLACED IN 1 WORK DAY AT A TIME SO THAT NO PORTION OF THE ROOF SYSTEM IS LEFT OPEN OVERNIGHT.
6. THE BUILDING SHALL BE LEFT IN A WEATHER TIGHT CONDITION AT THE END OF EACH DAY.
7. THE EXISTING ROOF SYSTEMS SHALL REMAIN WATER AND WEATHER TIGHT THROUGHOUT THE PROJECT. ANY DAMAGE TO THE ROOF SYSTEM WILL BE FULLY REPAIRED (AS REQUIRED TO MEET ANY EXISTING WARRANTIES) BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DIRECTOR'S REPRESENTATIVE.

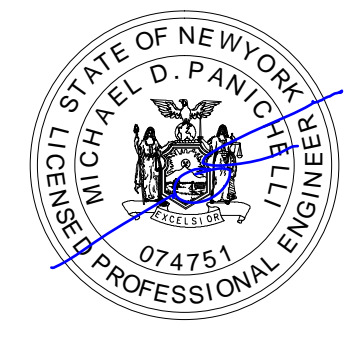


**1 BUILDING ROOF PLAN - REMOVALS**  
SCALE: 1/16" = 1'-0"

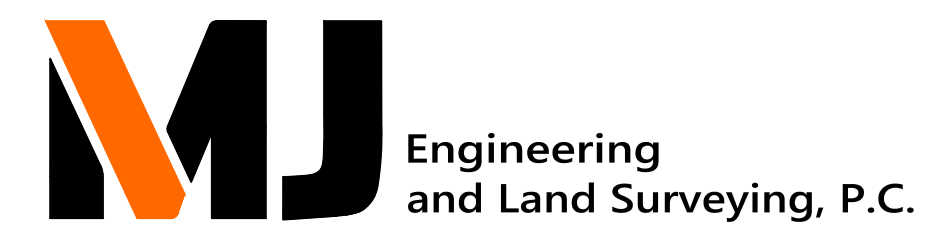


SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**EXISTING BUILDING ROOF PLAN - REMOVALS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK







SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

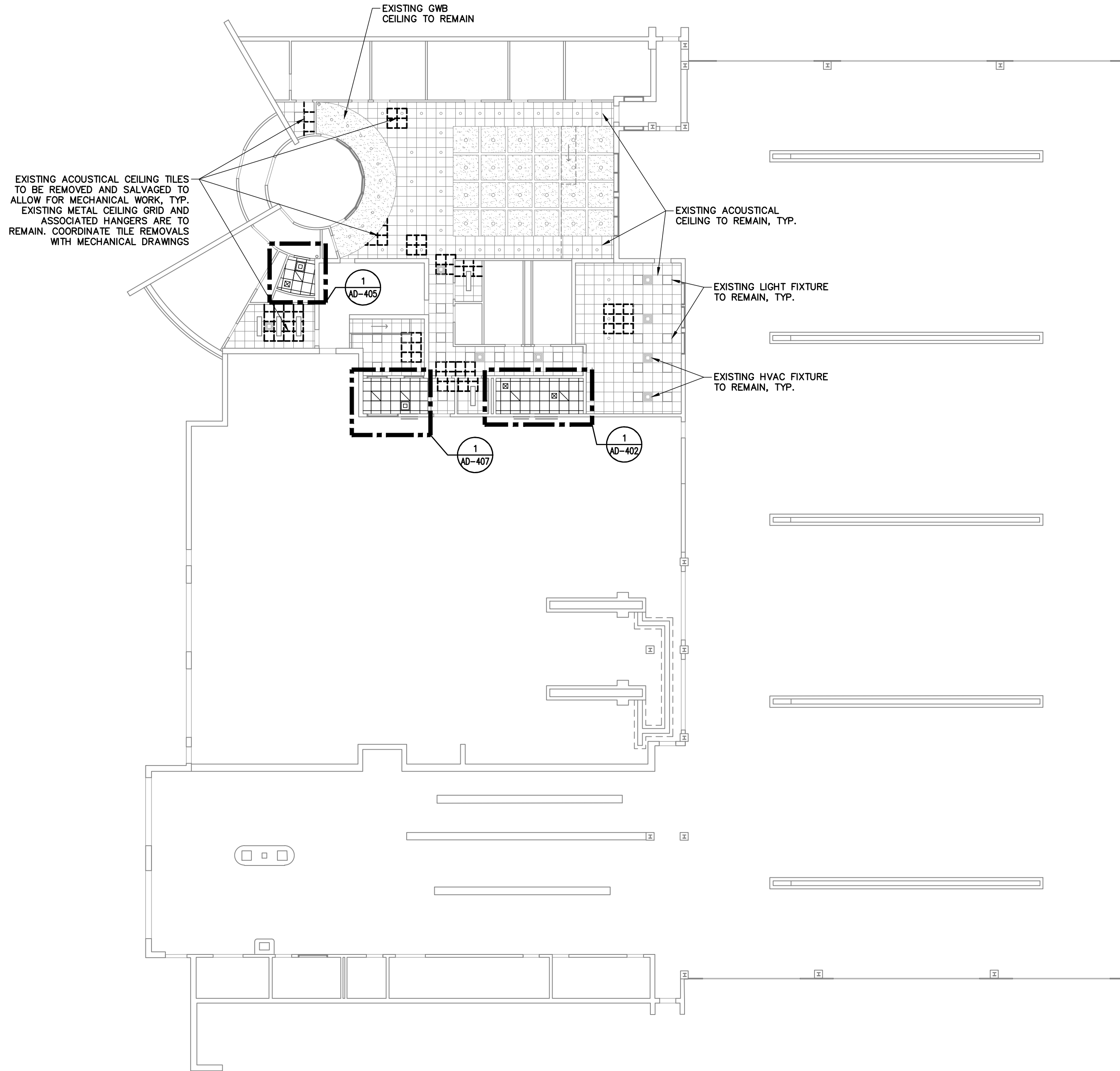
**AD-102**

**CEILING REMOVALS NOTES:**

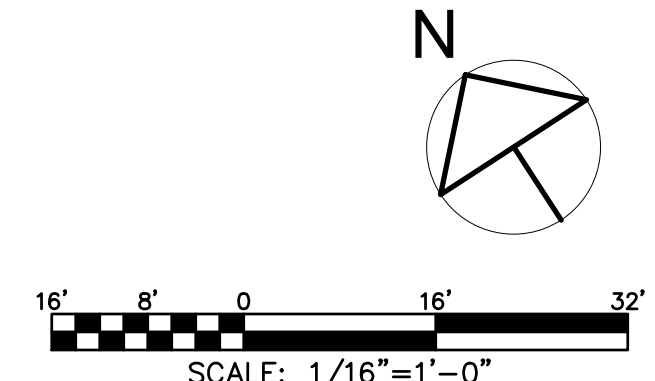
1. CONTRACTOR SHALL PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
2. ALL CEILING MOUNTED EQUIPMENT TO BE SUPPORTED IN PLACE FOR DURATION OF CEILING REMOVAL.
3. COORDINATE REMOVAL OF ANY EXISTING CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS PRIOR TO REMOVAL.

**LEGEND:**

-  EXISTING WALL TO REMAIN, TYP.
-  EXISTING ACOUSTICAL CEILING TILE AND GRID TO REMAIN
-  EXISTING ACOUSTICAL CEILING TILES TO BE REMOVED AND SALVAGED TO ALLOW FOR MECHANICAL WORK, TYP. EXISTING METAL CEILING GRID AND ASSOCIATED HANGERS ARE TO REMAIN. COORDINATE TILE REMOVALS WITH MECHANICAL DRAWINGS
-  EXISTING GWB CEILING TO REMAIN, TYP.
-  EXISTING LIGHT FIXTURE TO REMAIN, TYP.
-  EXISTING HVAC FIXTURE TO REMAIN

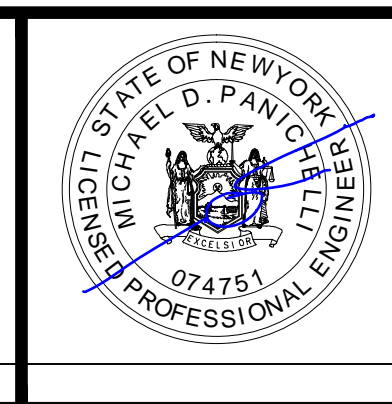


**1 BUILDING REFLECTED CEILING PLAN - REMOVALS**  
SCALE: 1/16" = 1'-0"



SUBMITTAL / REVISIONS					
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0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**EXISTING BUILDING REFLECTED CEILING PLAN - REMOVALS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

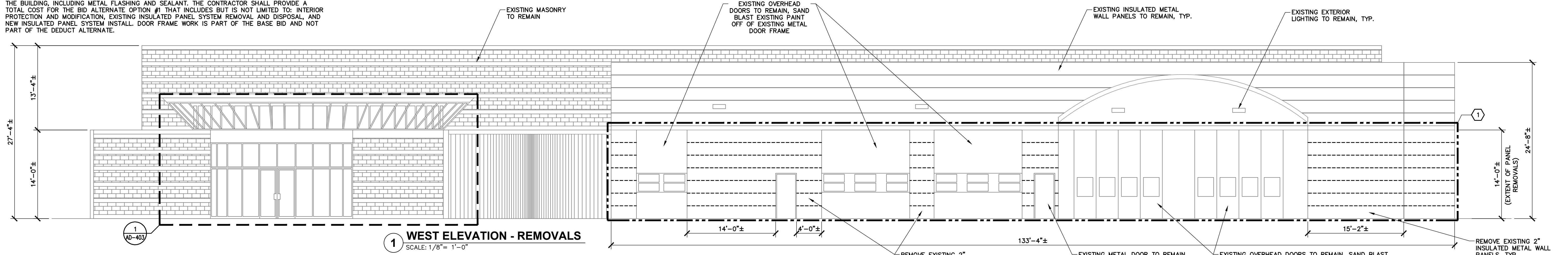
SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**AD-103**

**LEGEND:**

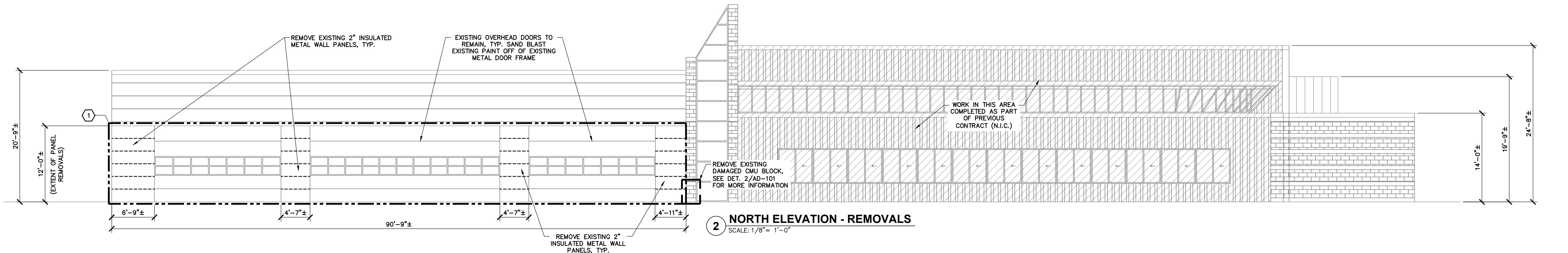
- 1. AREAS OF BUILDING DENOTED WITH  ARE PART OF A PREVIOUSLY COMPLETED CONSTRUCTION PHASE AND ARE NOT PART OF THIS CONTRACT DRAWING SET.

**BID ALTERNATE NOTE:** ①

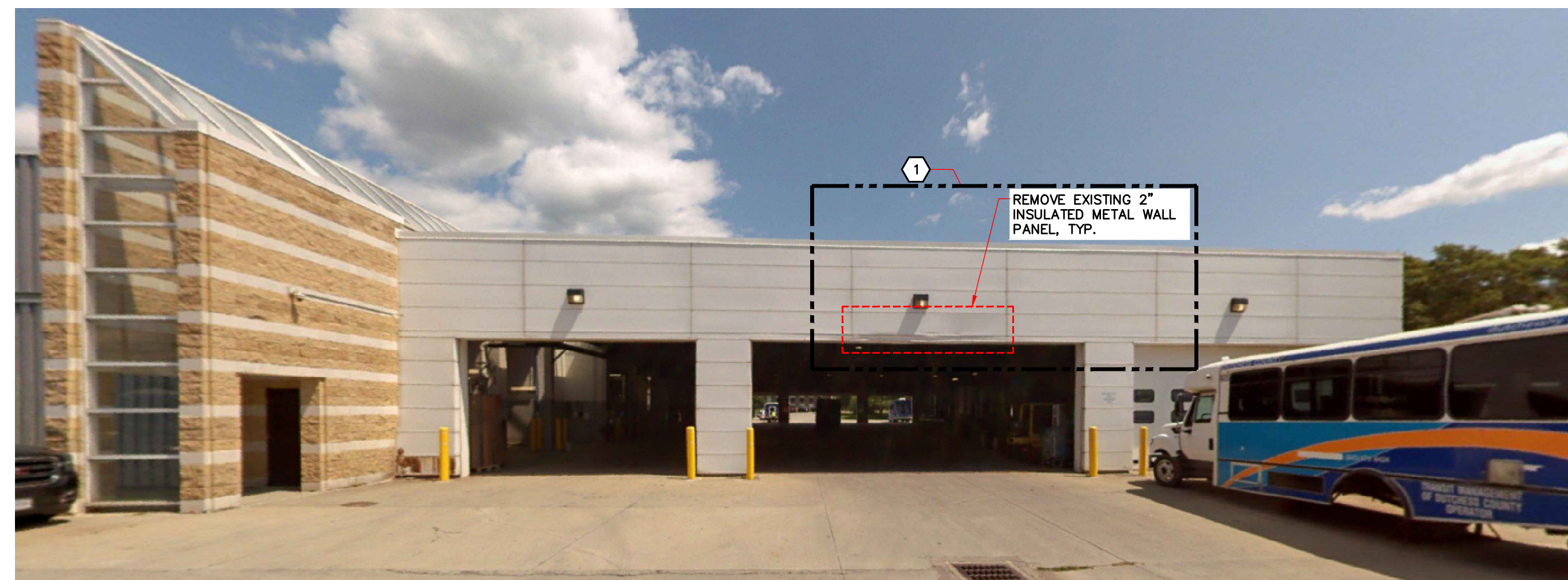
- 1. THE CONTRACTOR SHALL REVIEW AND PROVIDE A BID ALTERNATE OPTION #1 PRICE IN THE REQUESTED BID PROPOSAL. ALL WORK AND MATERIALS ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE EXISTING 764 SQFT± OF INSULATED METAL WALL PANELS ON THE WEST FACE OF THE BUILDING AND THE 249 SQFT± OF INSULATED METAL WALL PANELS ON THE NORTH FACE OF THE BUILDING, INCLUDING METAL FLASHING AND SEALANT. THE CONTRACTOR SHALL PROVIDE A TOTAL COST FOR THE BID ALTERNATE OPTION #1 THAT INCLUDES BUT IS NOT LIMITED TO: INTERIOR PROTECTION AND MODIFICATION, EXISTING INSULATED PANEL SYSTEM REMOVAL AND DISPOSAL, AND NEW INSULATED PANEL SYSTEM INSTALL. DOOR FRAME WORK IS PART OF THE BASE BID AND NOT PART OF THE DEDUCT ALTERNATE.



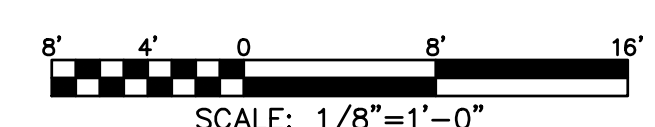
**1 WEST ELEVATION - REMOVALS**  
SCALE: 1/8" = 1'-0"



**2 NORTH ELEVATION - REMOVALS**  
SCALE: 1/8" = 1'-0"

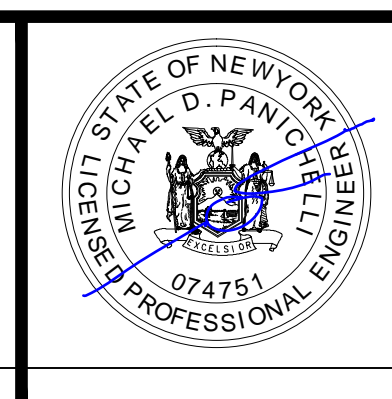


**3 PARTIAL SOUTH ELEVATION - REMOVALS**  
SCALE: N.T.S.



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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC




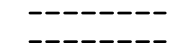




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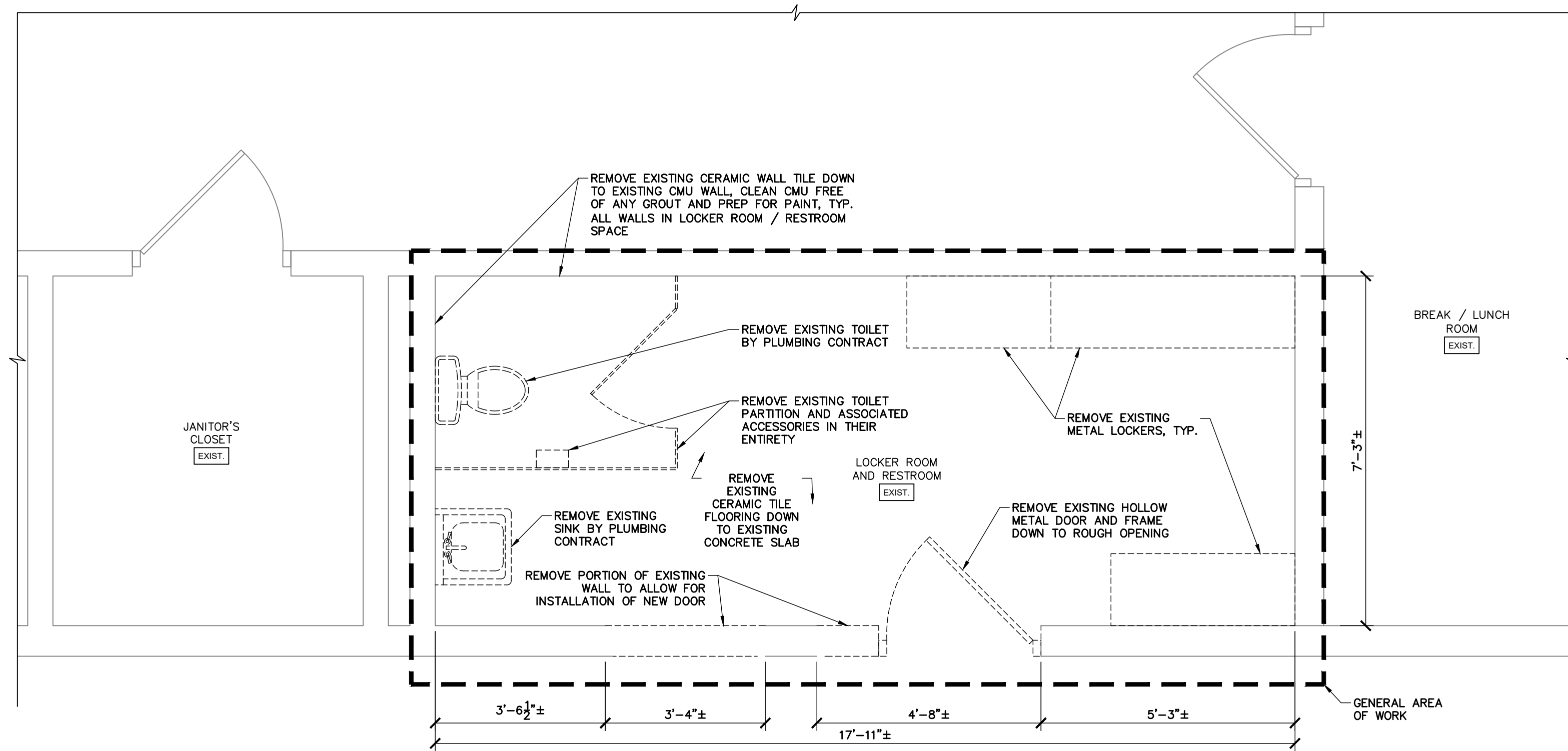


FACILITY RENOVATIONS PHASE II  
**ELEVATIONS - REMOVALS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

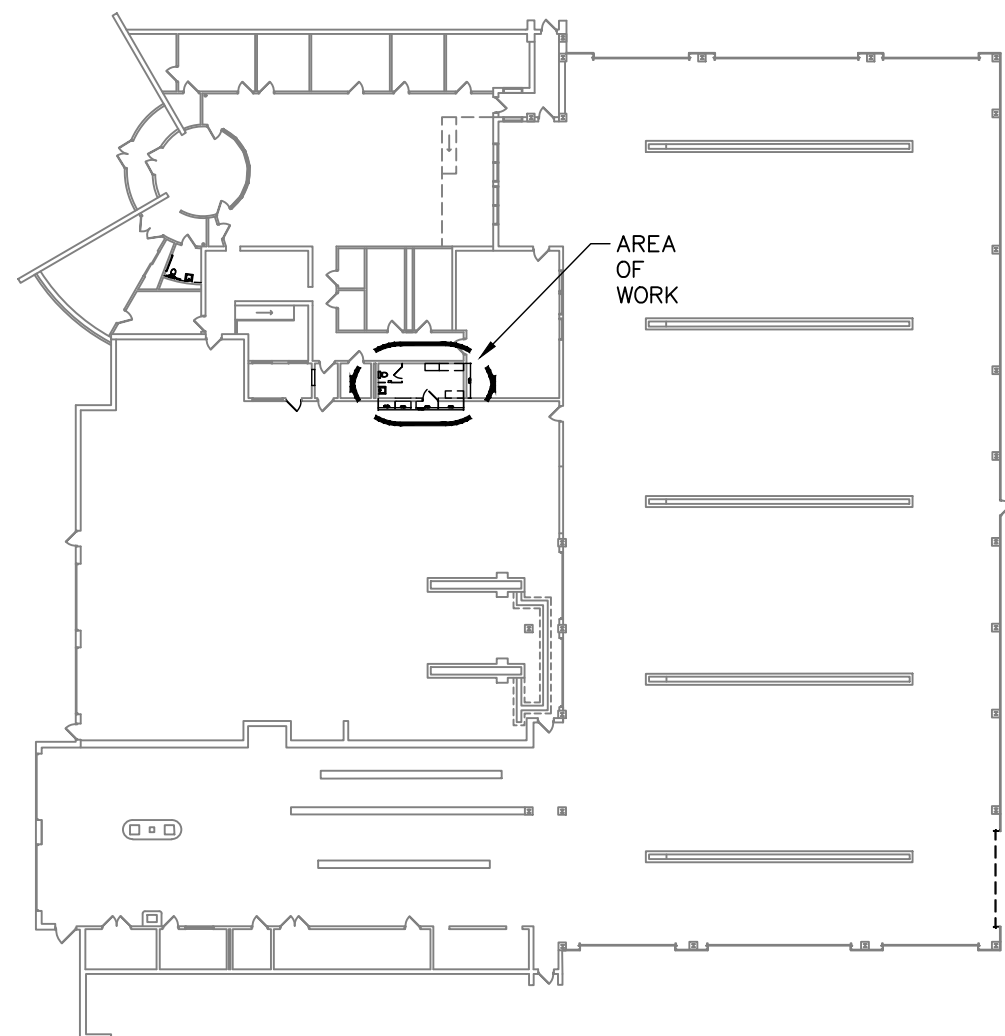
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>AD-201</b>

**LEGEND:**

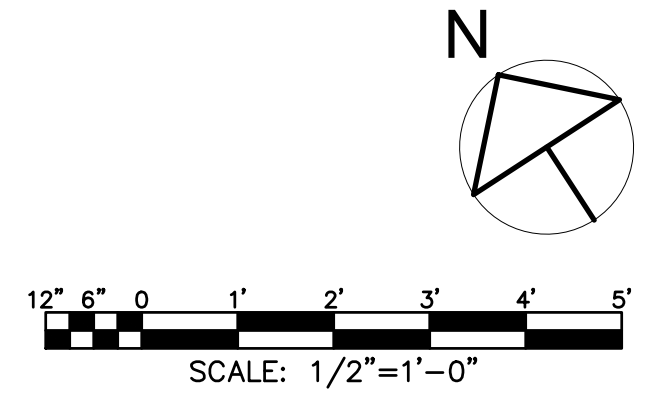
-  EXISTING WALL PARTITION TO REMAIN
-  REMOVE EXISTING 8" CMU BLOCK WALL
-  EXISTING DOOR AND FRAME TO REMAIN
-  EXISTING DOOR AND FRAME TO BE REMOVED
-  EXISTING PLUMBING FIXTURES TO BE REMOVED BY PLUMBING CONTRACT
-  EXISTING PLUMBING FIXTURES TO BE REMOVED BY PLUMBING CONTRACT



**1 ENLARGED FLOOR PLAN - REMOVALS**  
SCALE: 1/2" = 1'-0"

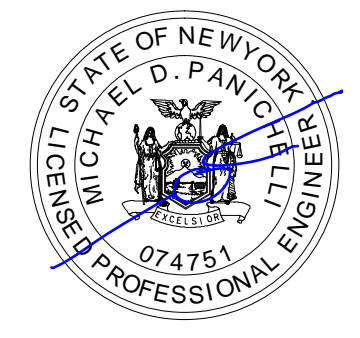


**KEYPLAN**  
SCALE: N.T.S.

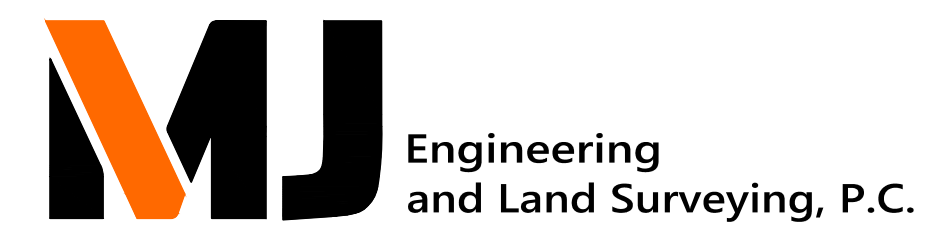


SUBMITTAL / REVISIONS				
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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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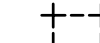


FACILITY RENOVATIONS PHASE II  
**LOCKER ROOM AND RESTROOM**  
**ENLARGED FLOOR PLAN - REMOVALS**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

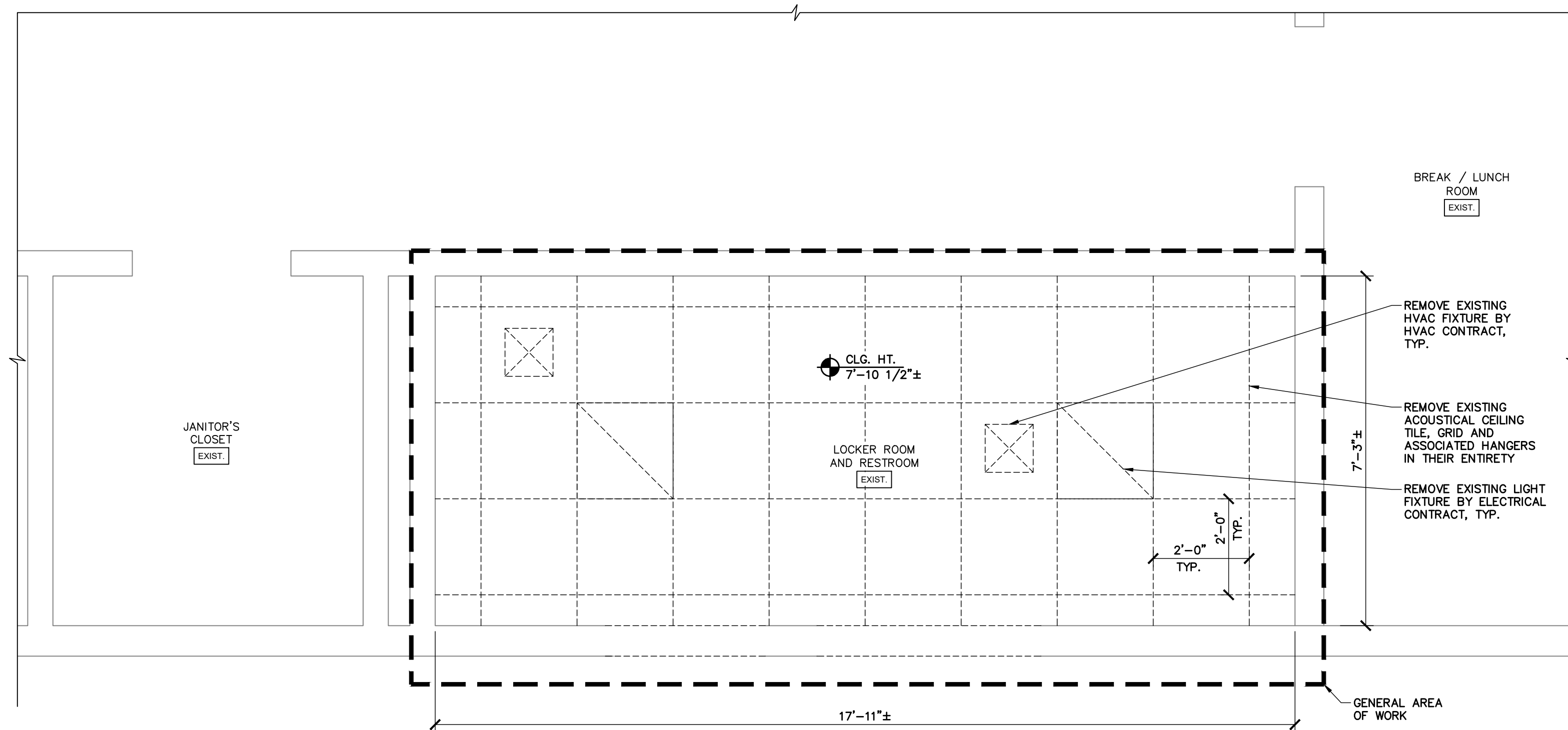
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>AD-401</b>

**CEILING REMOVALS NOTES:**

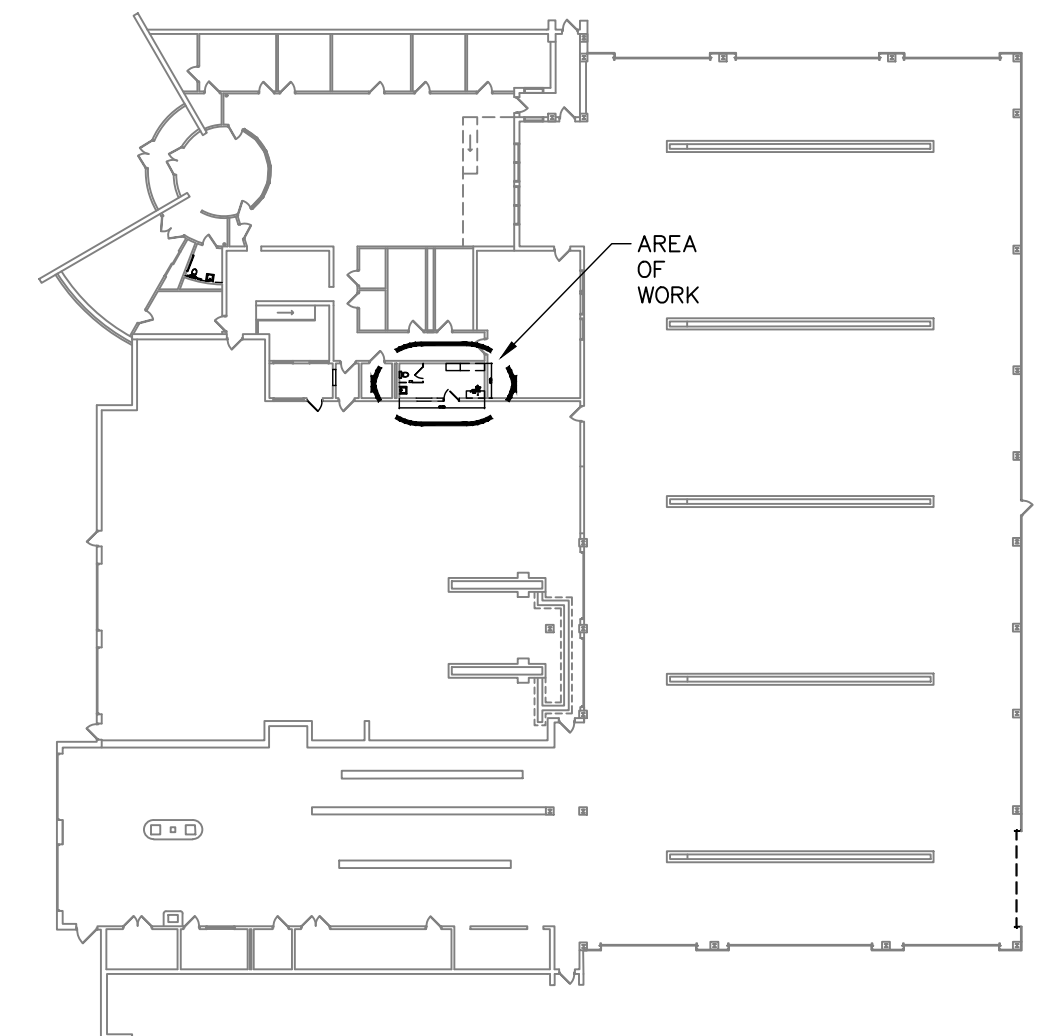
1. CONTRACTOR SHALL PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
2. ACOUSTICAL TILE CEILING REMOVAL SHALL INCLUDE THE REMOVAL OF ALL ASSOCIATED CEILING COMPONENTS INCLUDING BUT NOT LIMITED TO: WIRE HANGERS, METAL CEILING GRID, AND EDGE SUPPORT.
3. COORDINATE REMOVAL OF ANY EXISTING CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS PRIOR TO REMOVAL.

**LEGEND:**

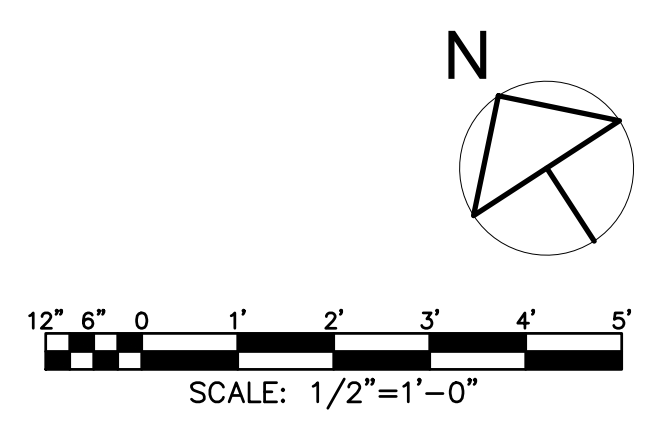
-  EXISTING WALL TO REMAIN, TYP.
-  REMOVE EXISTING HVAC FIXTURE BY HVAC CONTRACT
-  REMOVE EXISTING ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED HANGERS IN THEIR ENTIRETY
-  REMOVE EXISTING LIGHT FIXTURE BY ELECTRICAL CONTRACT
-  CLG. HT. 'X'-X"±  
CEILING HEIGHT, TYP.



**1 ENLARGED REFLECTED CEILING PLAN - REMOVALS**  
SCALE: 1/2" = 1'-0"

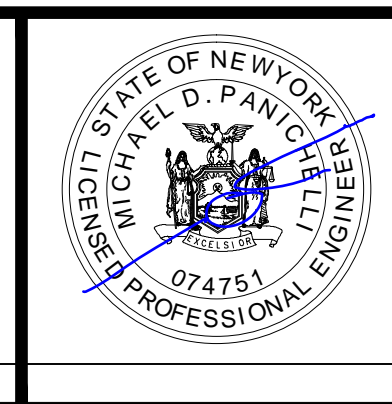


**KEYPLAN**  
SCALE: N.T.S.



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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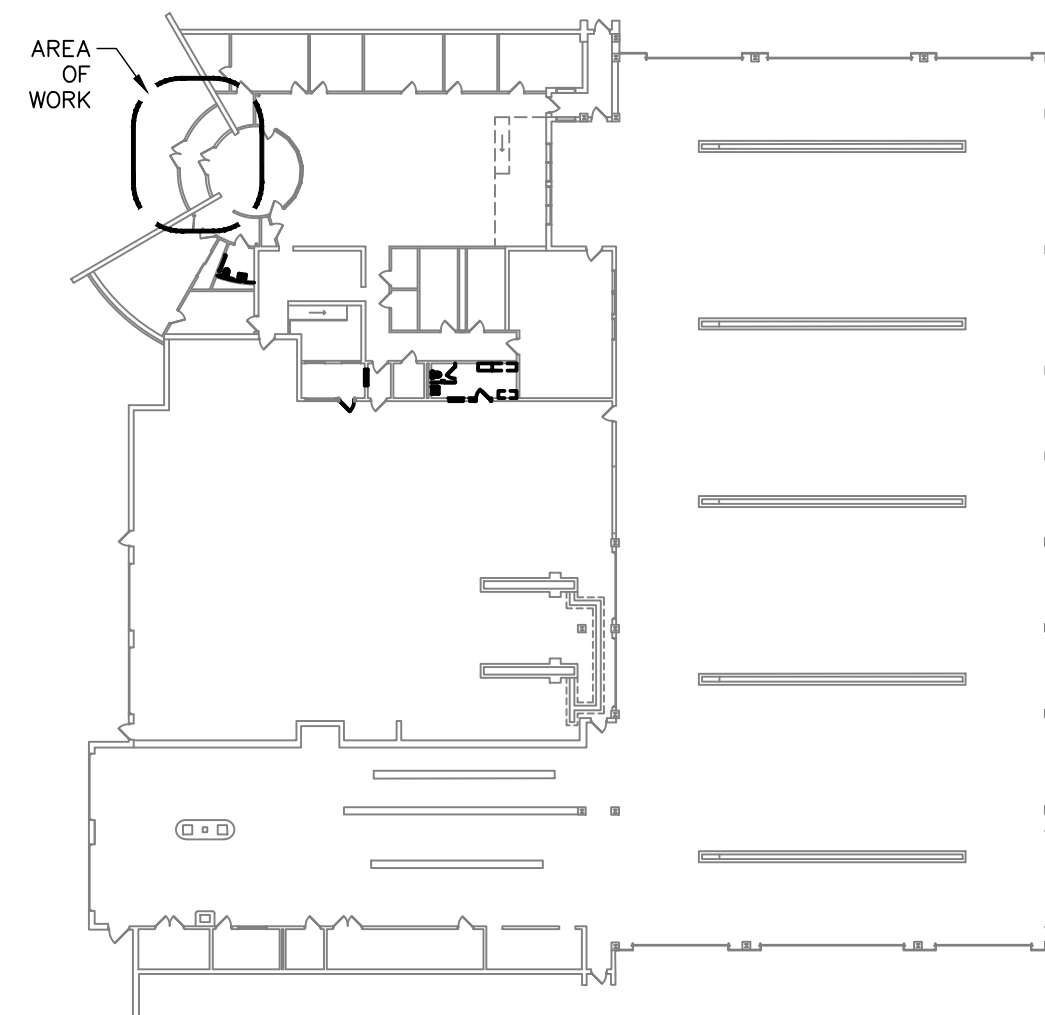
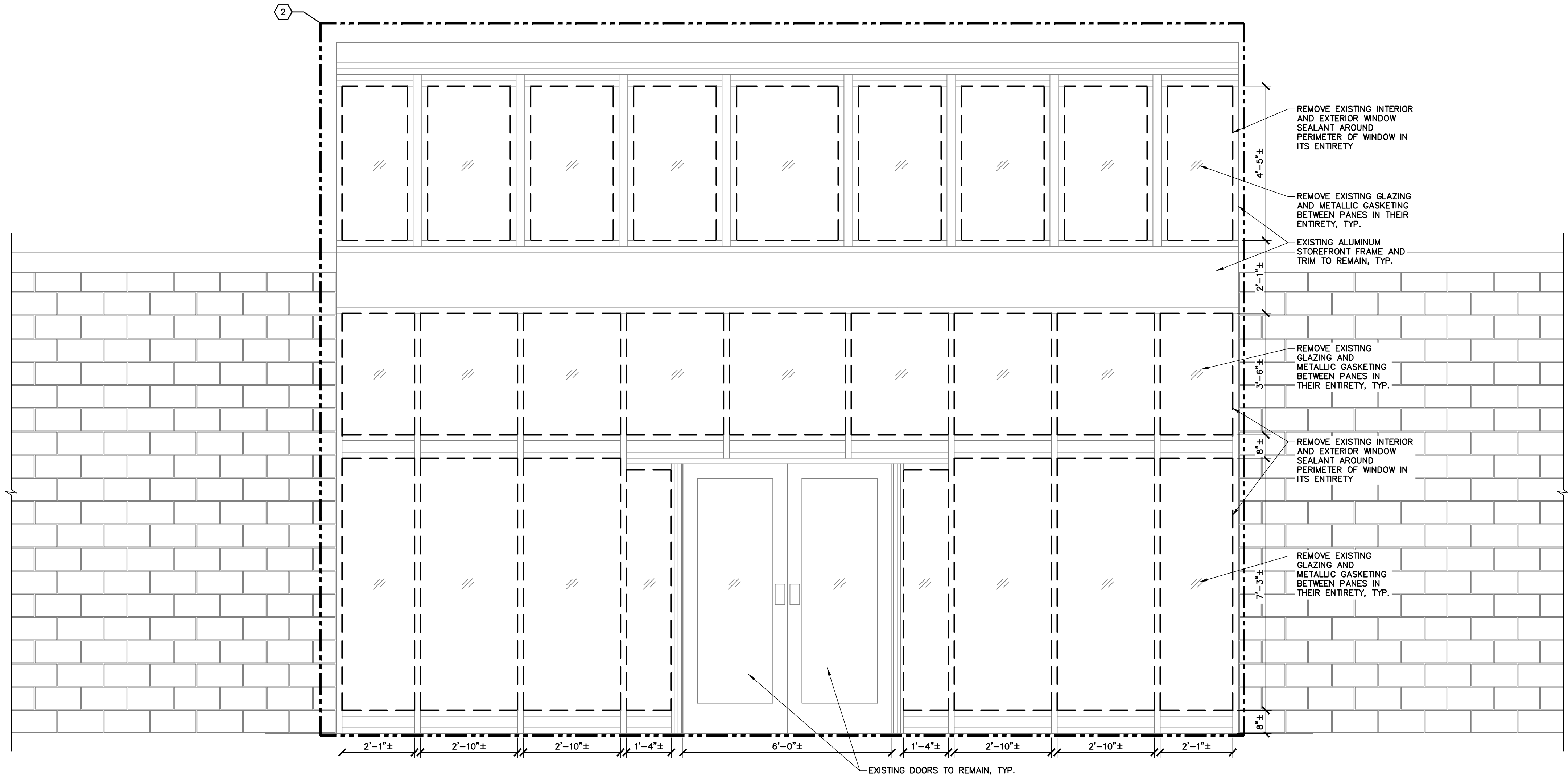


FACILITY RENOVATIONS PHASE II  
**LOCKER ROOM AND RESTROOM**  
**ENLARGED REFLECTED CEILING PLAN**  
**- REMOVALS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>AD-402</b>

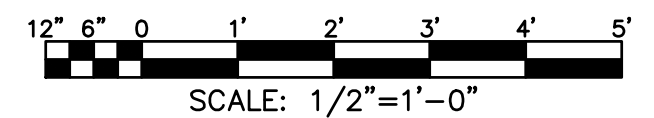
**BID ALTERNATE NOTE: ②**

1. THE CONTRACTOR SHALL REVIEW AND PROVIDE A BID ALTERNATE OPTION #1 PRICE IN THE REQUESTED BID PROPOSAL. ALL WORK AND MATERIALS ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE EXISTING 309 SQFT± OF INSULATED GLAZING, METALLIC GASKETING AND SEALANT. THE CONTRACTOR SHALL PROVIDE A TOTAL COST FOR THE BID ALTERNATE OPTION #1 THAT INCLUDES BUT IS NOT LIMITED TO: INTERIOR PROTECTION AND MODIFICATION, WINDOW SYSTEM REMOVAL AND DISPOSAL, AND WINDOW SYSTEM INSTALL.



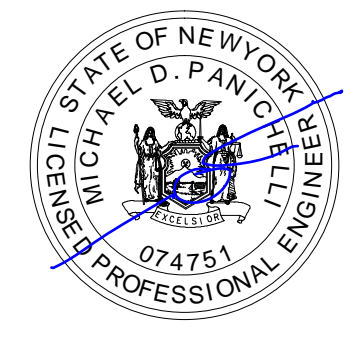
**KEYPLAN**  
SCALE: N.T.S.

**1 FRONT ENTRY ELEVATION - REMOVALS**  
SCALE: 1/2" = 1'-0"

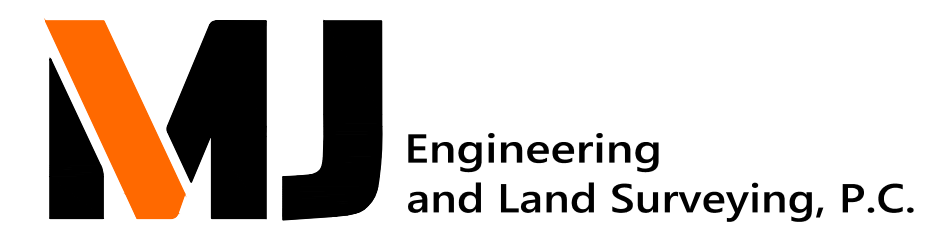


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0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
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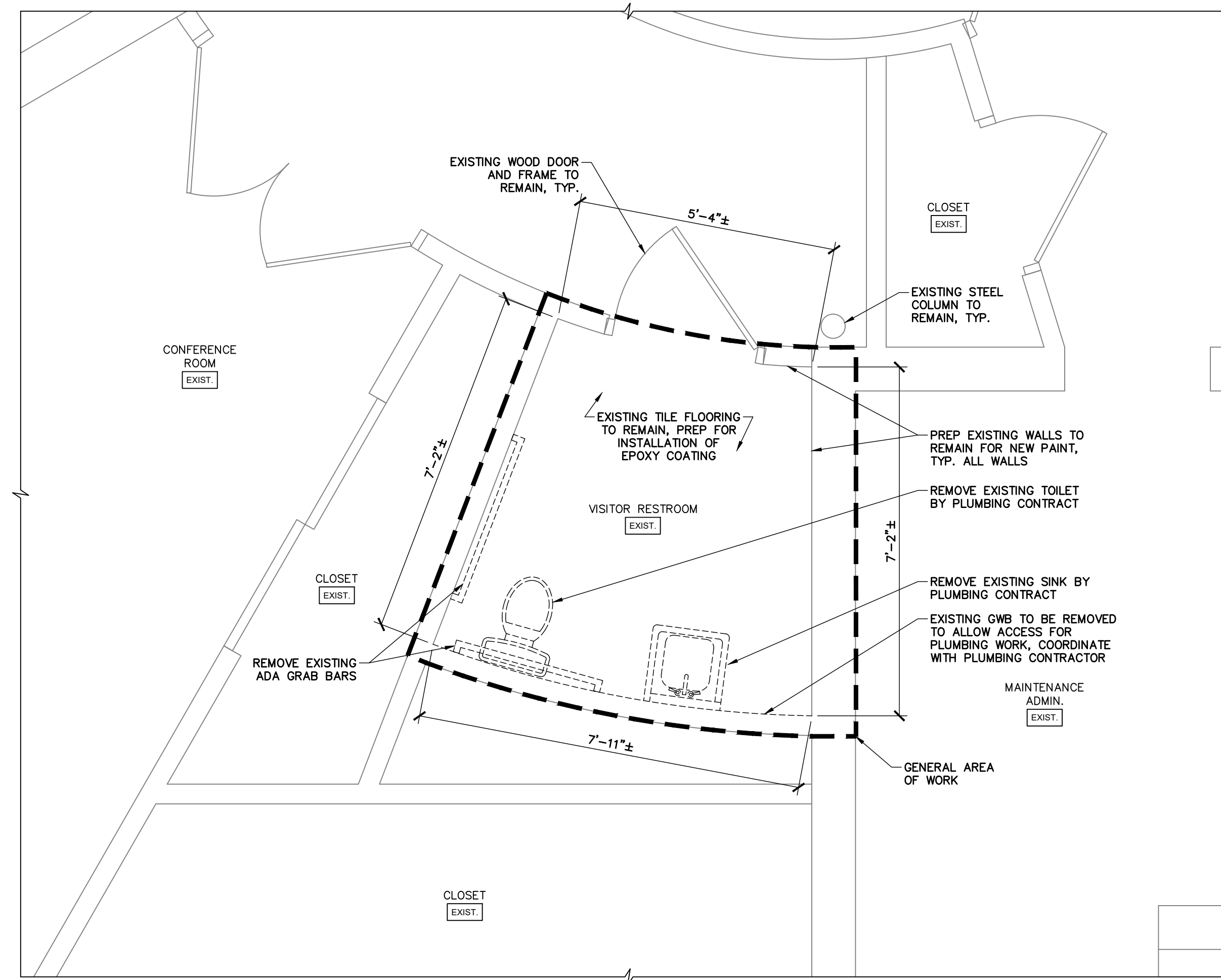
FACILITY RENOVATIONS PHASE II  
**ENLARGED FRONT ENTRY ELEVATION - REMOVALS**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

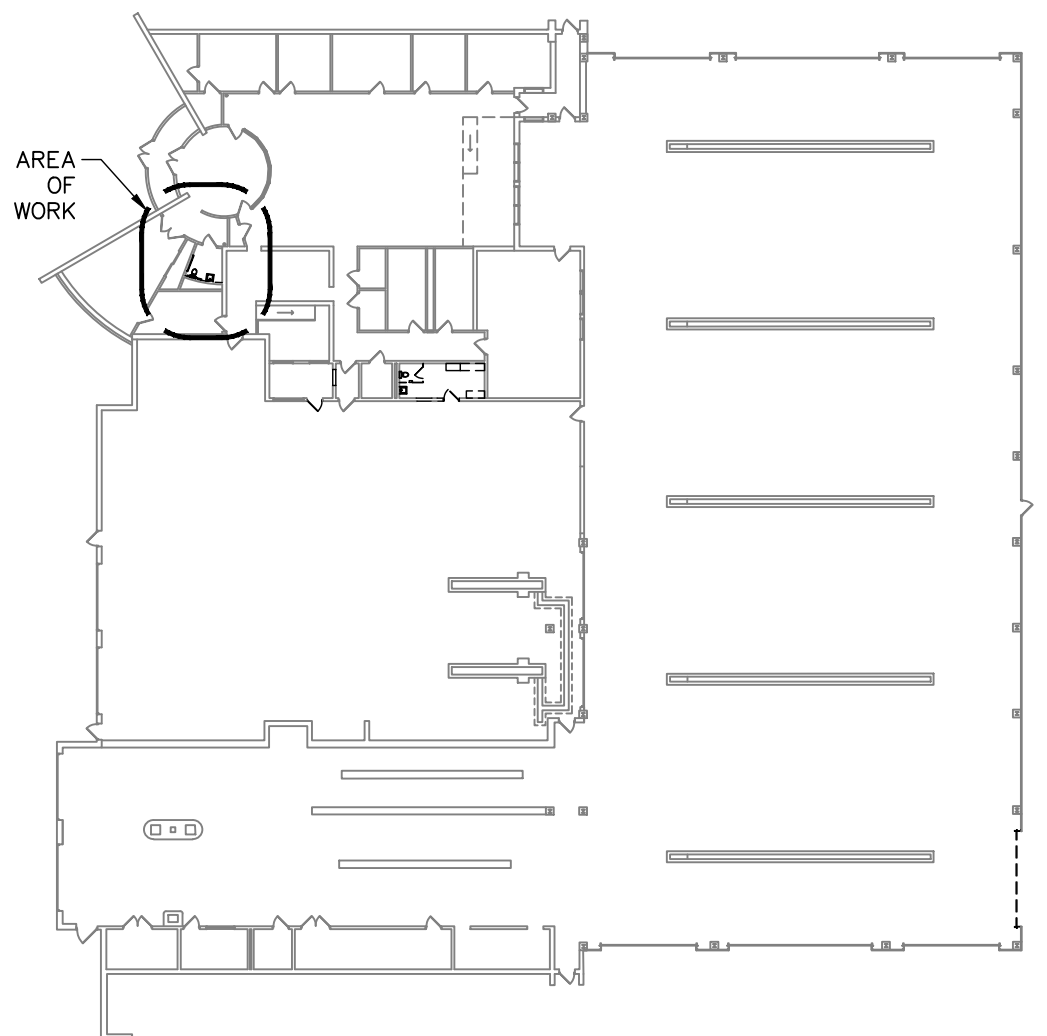
**AD-403**

**LEGEND:**

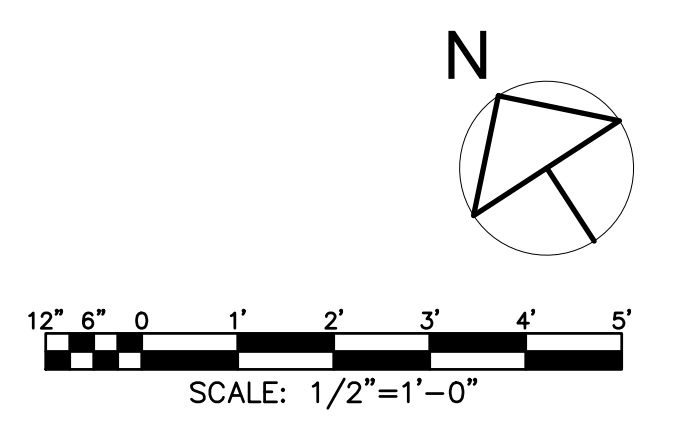
-  EXISTING WALL PARTITION TO REMAIN
-  EXISTING DOOR AND FRAME TO REMAIN
-  EXISTING PLUMBING FIXTURES TO BE REMOVED BY PLUMBING CONTRACT



**1 VISITOR RESTROOM FLOOR PLAN - REMOVALS**  
SCALE: 1/2" = 1'-0"

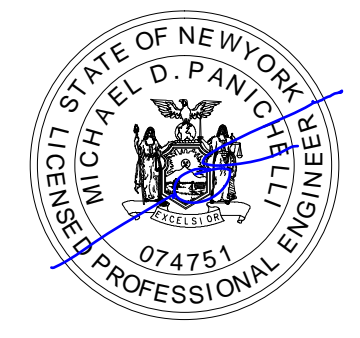


**KEYPLAN**  
SCALE: N.T.S.

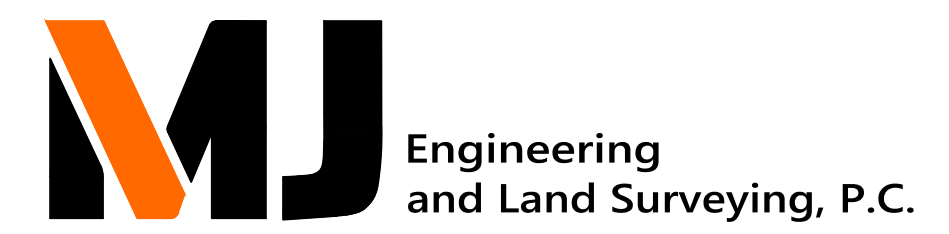


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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
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FACILITY RENOVATIONS PHASE II  
**ENLARGED VISITOR RESTROOM FLOOR PLAN - REMOVALS**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
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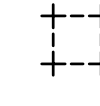


**AD-404**

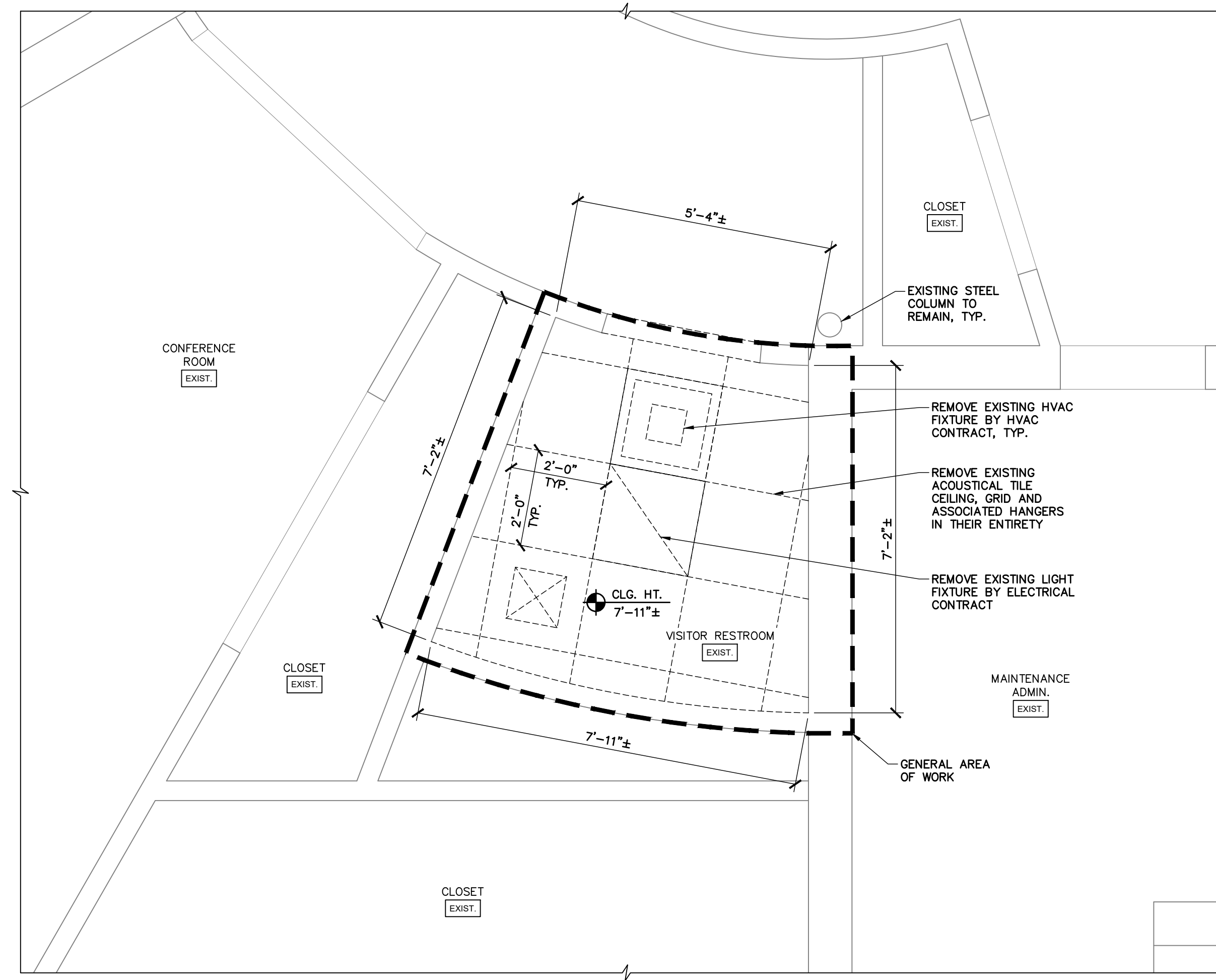


**CEILING REMOVALS NOTES:**

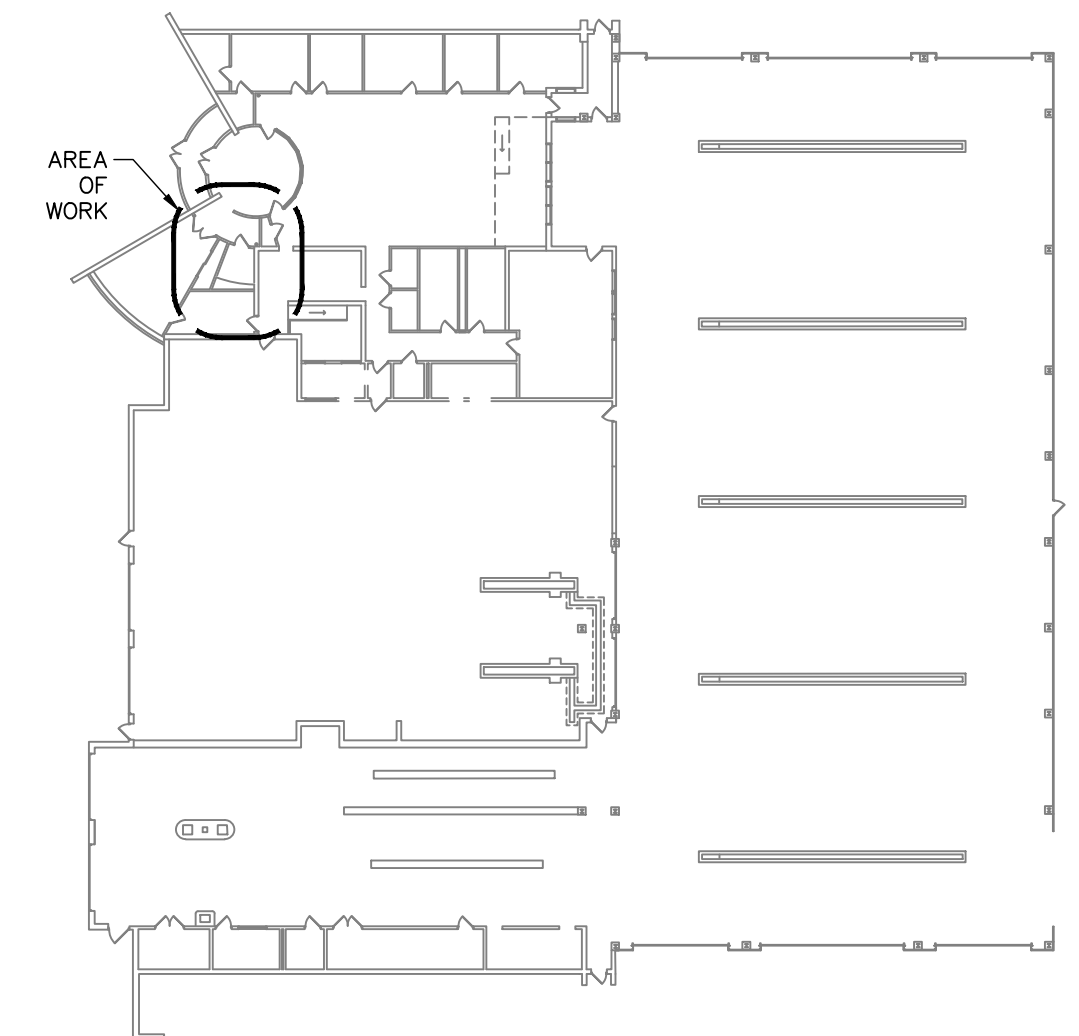
1. CONTRACTOR SHALL PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
2. ACOUSTICAL TILE CEILING REMOVAL SHALL INCLUDE THE REMOVAL OF ALL ASSOCIATED CEILING COMPONENTS INCLUDING BUT NOT LIMITED TO: WIRE HANGERS, METAL CEILING GRID, AND EDGE SUPPORT.
3. COORDINATE REMOVAL OF ANY EXISTING CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS PRIOR TO REMOVAL.

**LEGEND:**

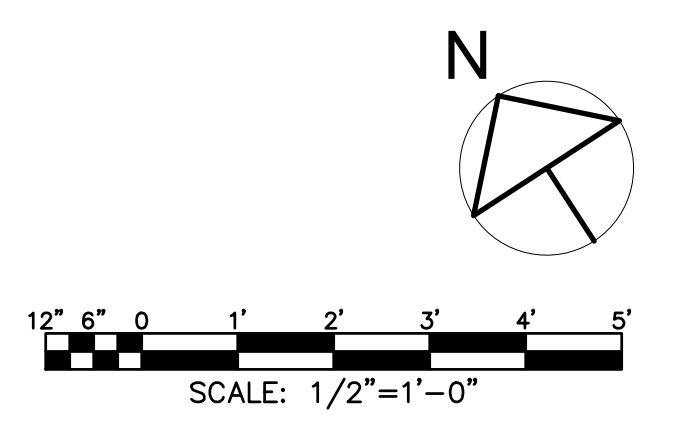
-  EXISTING WALL TO REMAIN, TYP.
-  REMOVE EXISTING HVAC FIXTURE BY HVAC CONTRACT
-  REMOVE EXISTING ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED HANGERS IN THEIR ENTIRETY
-  REMOVE EXISTING LIGHT FIXTURE BY ELECTRICAL CONTRACT
-  CLG. HT. X'-X"± CEILING HEIGHT, TYP.



**1 VISITOR RESTROOM CEILING PLAN - REMOVALS**  
SCALE: 1/2" = 1'-0"

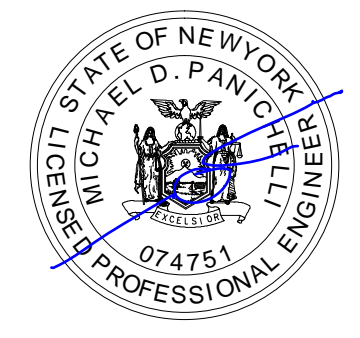


**KEYPLAN**  
SCALE: N.T.S.

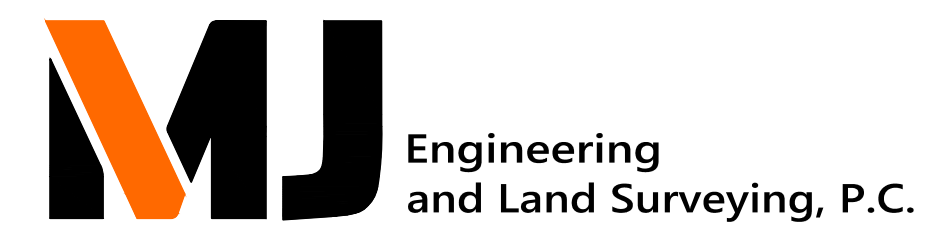


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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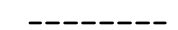





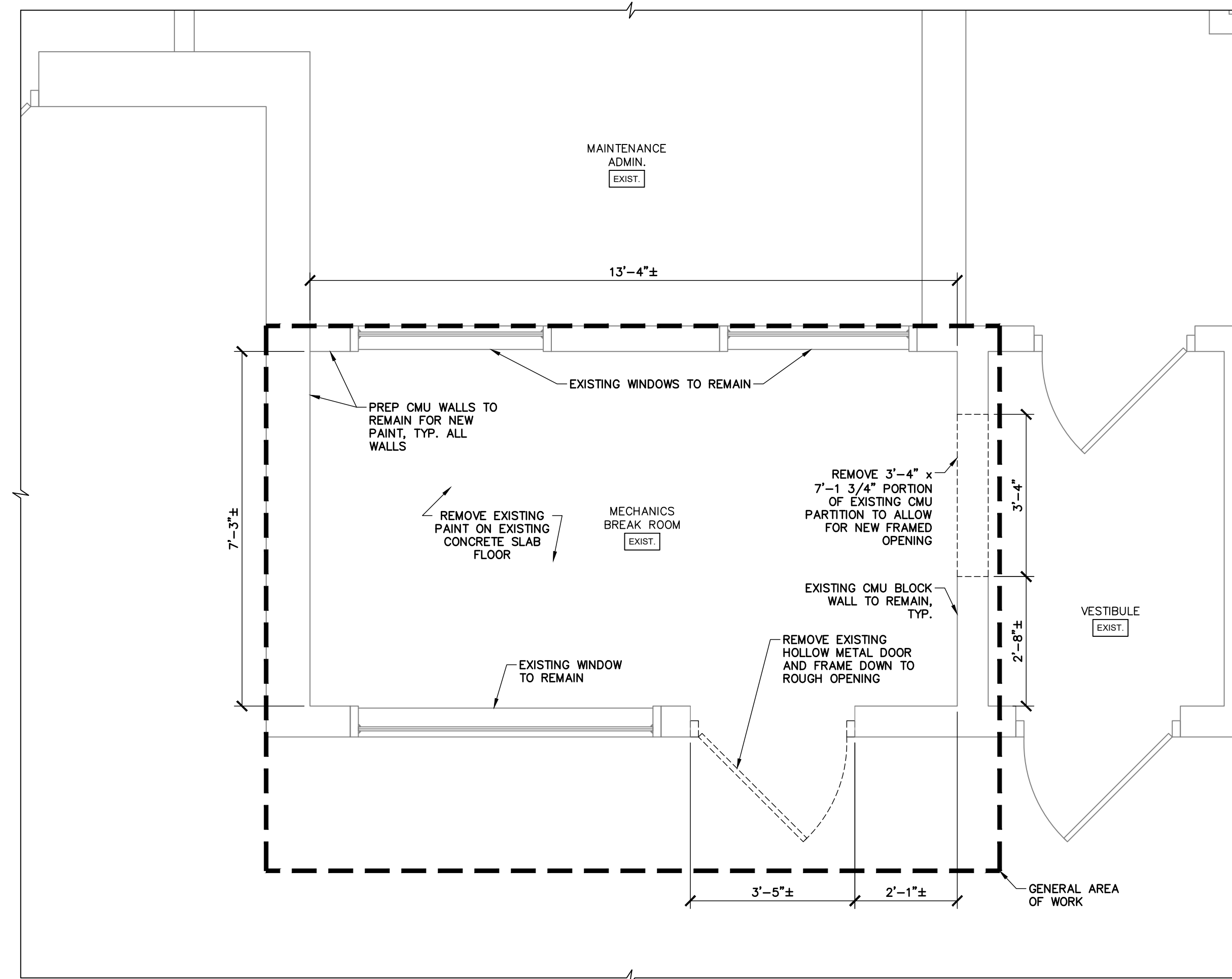
FACILITY RENOVATIONS PHASE II  
**ENLARGED VISITOR RESTROOM REFLECTED CEILING PLAN - REMOVALS**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

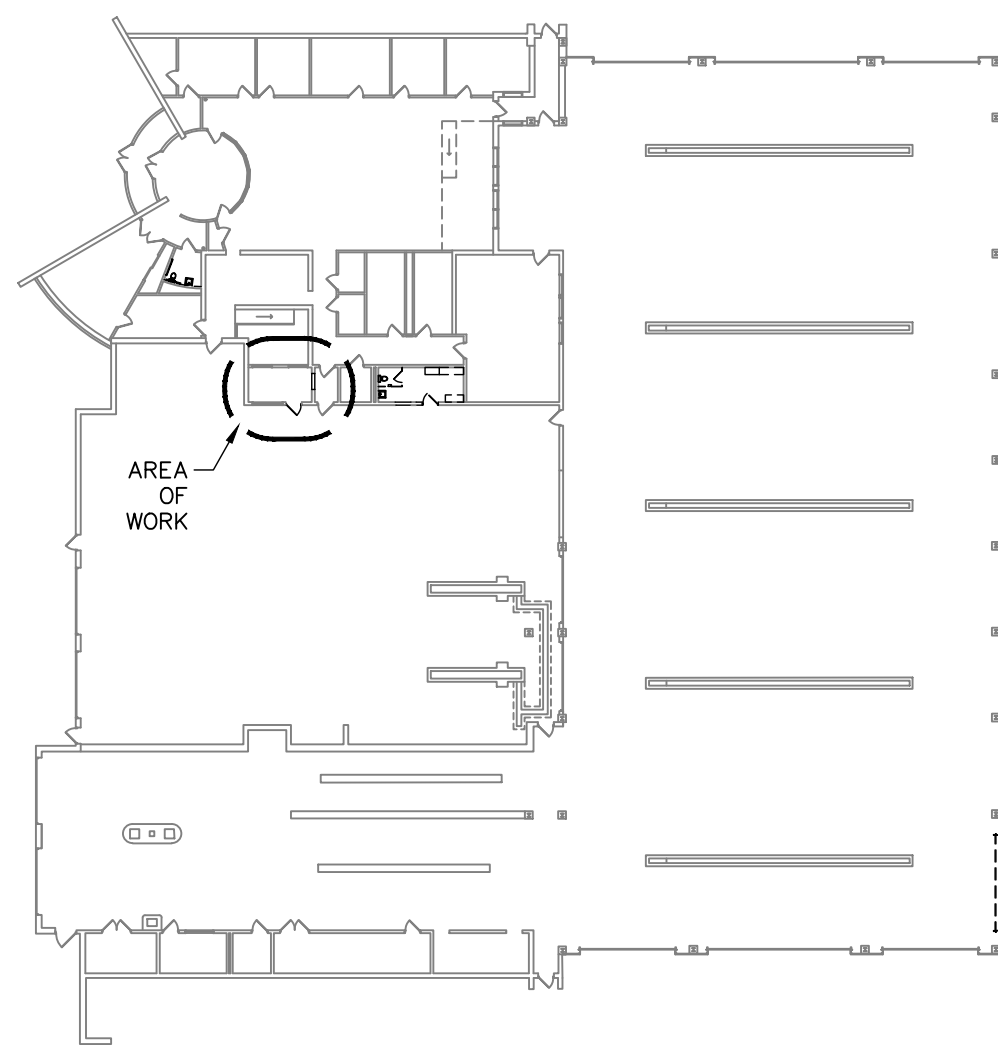
**AD-405**

**LEGEND:**

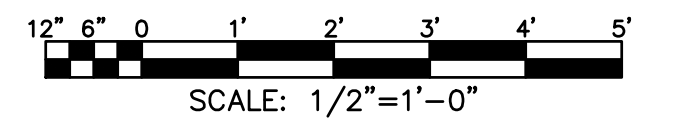
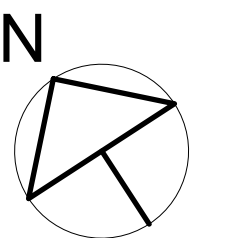
-  EXISTING WALL PARTITION TO REMAIN
-  REMOVE EXISTING 8" CMU BLOCK WALL
-  EXISTING DOOR AND FRAME TO REMAIN
-  EXISTING DOOR AND FRAME TO BE REMOVED
-  EXISTING WINDOW AND FRAME TO REMAIN



**1 MECHANICS BREAK ROOM FLOOR PLAN - REMOVALS**  
SCALE: 1/2" = 1'-0"

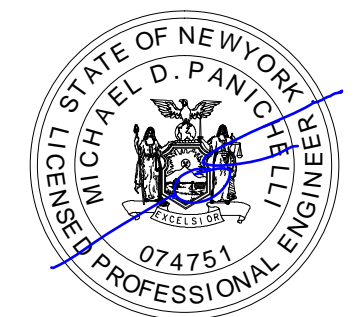


**KEYPLAN**  
SCALE: N.T.S.

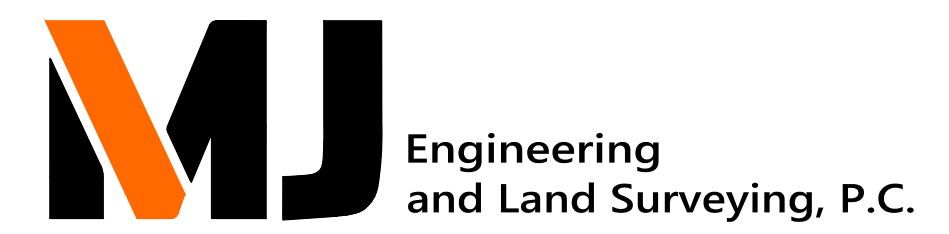


SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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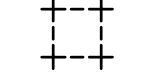
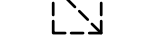
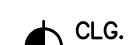
FACILITY RENOVATIONS PHASE II  
**ENLARGED MECHANICS BREAK ROOM FLOOR PLAN - REMOVALS**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

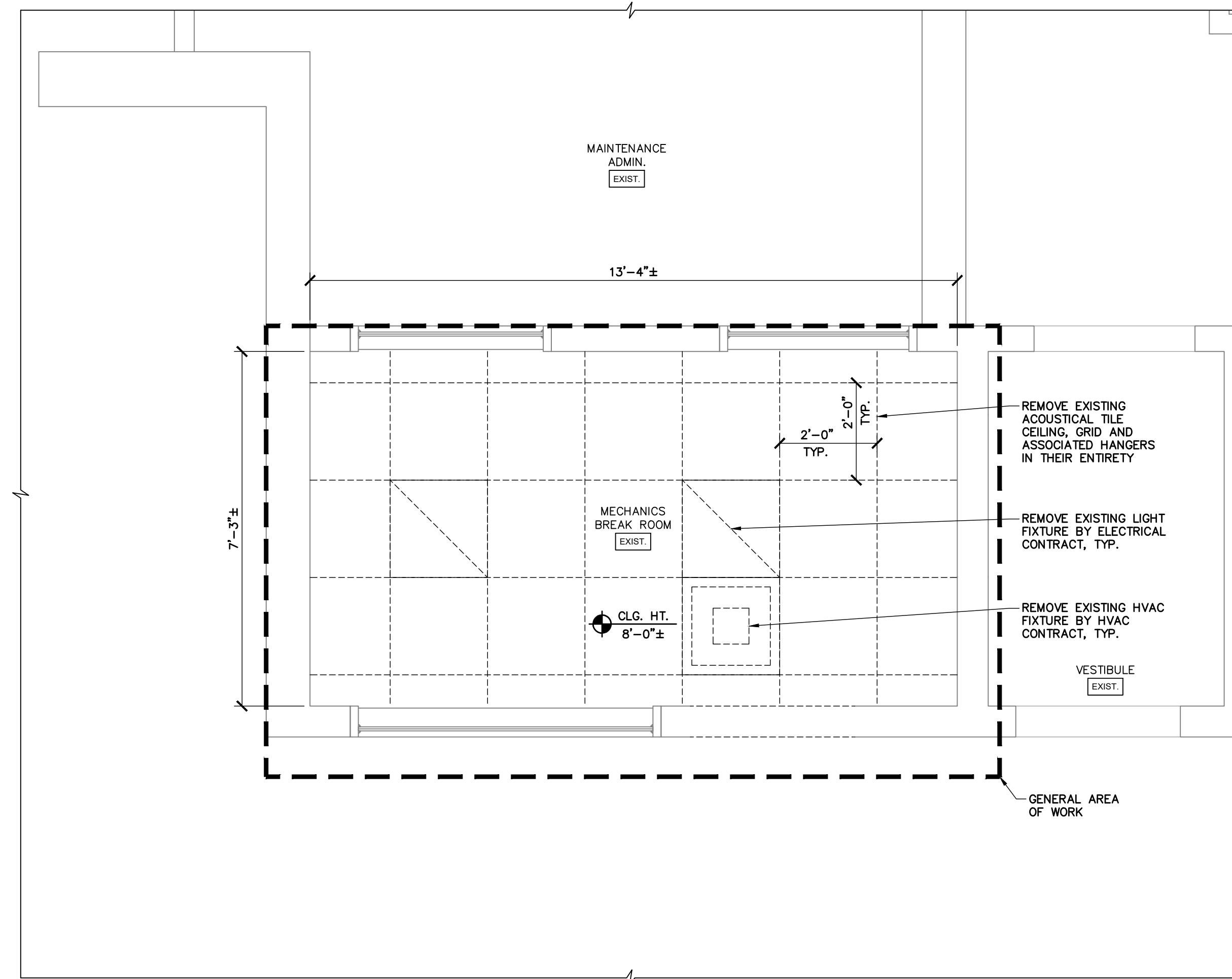
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>AD-406</b>

**CEILING REMOVALS NOTES:**

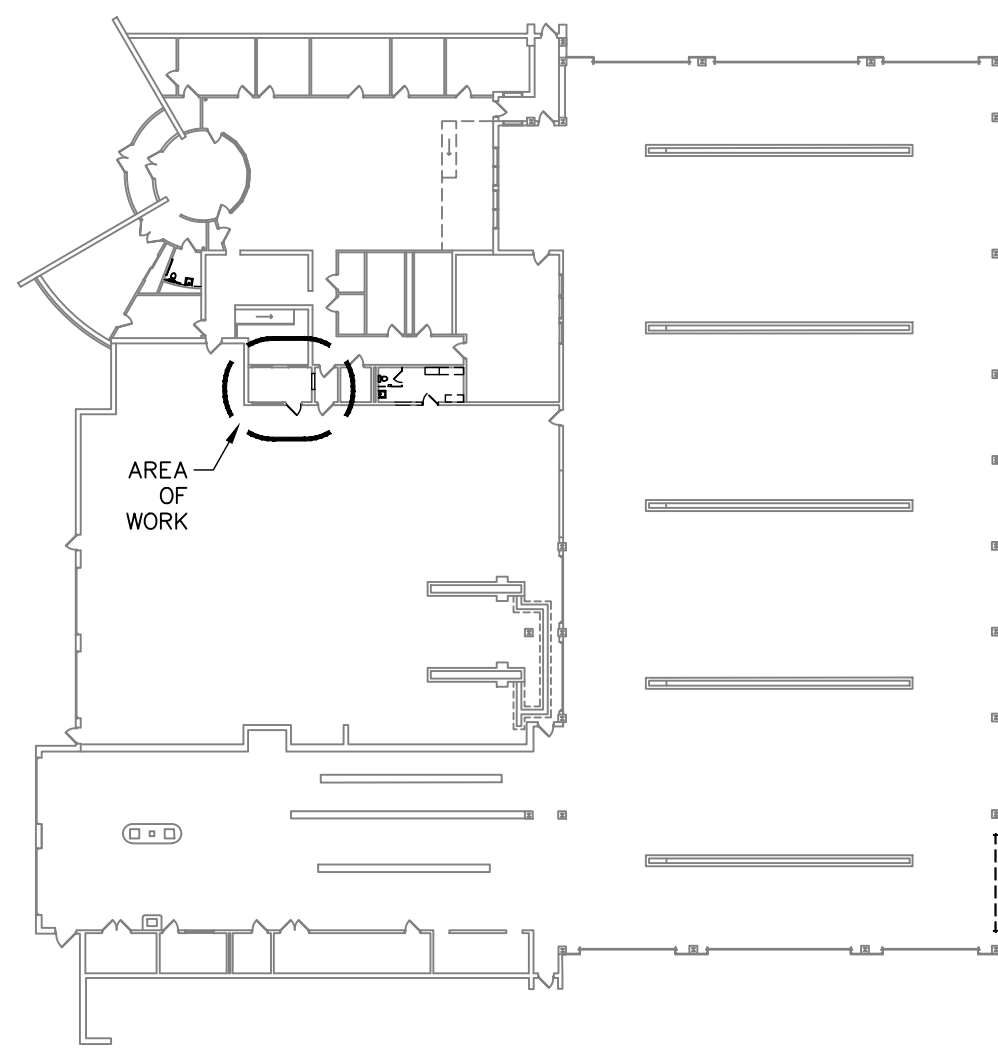
1. CONTRACTOR SHALL PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
2. ACOUSTICAL TILE CEILING REMOVAL SHALL INCLUDE THE REMOVAL OF ALL ASSOCIATED CEILING COMPONENTS INCLUDING BUT NOT LIMITED TO: WIRE HANGERS, METAL CEILING GRID, AND EDGE SUPPORT.
3. COORDINATE REMOVAL OF ANY EXISTING CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS PRIOR TO REMOVAL.

**LEGEND:**

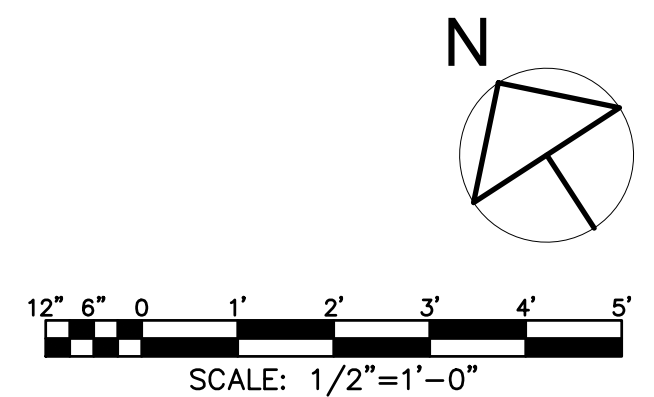
-  EXISTING WALL TO REMAIN, TYP.
-  REMOVE EXISTING HVAC FIXTURE BY HVAC CONTRACT
-  REMOVE EXISTING ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED HANGERS IN THEIR ENTIRETY
-  REMOVE EXISTING LIGHT FIXTURE BY ELECTRICAL CONTRACT
-  CLG. HT. X'-X"±



**1 MECHANICS BREAK ROOM CEILING PLAN - REMOVALS**  
SCALE: 1/2" = 1'-0"

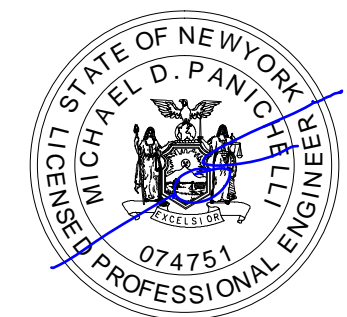


**KEYPLAN**  
SCALE: N.T.S.

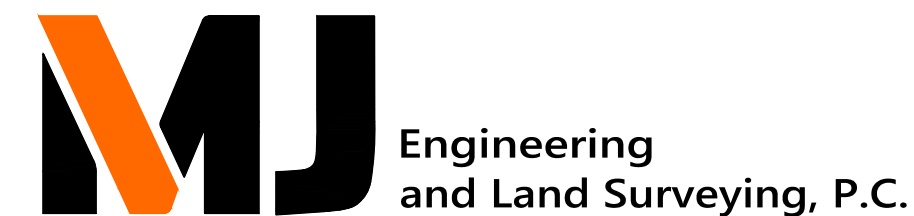


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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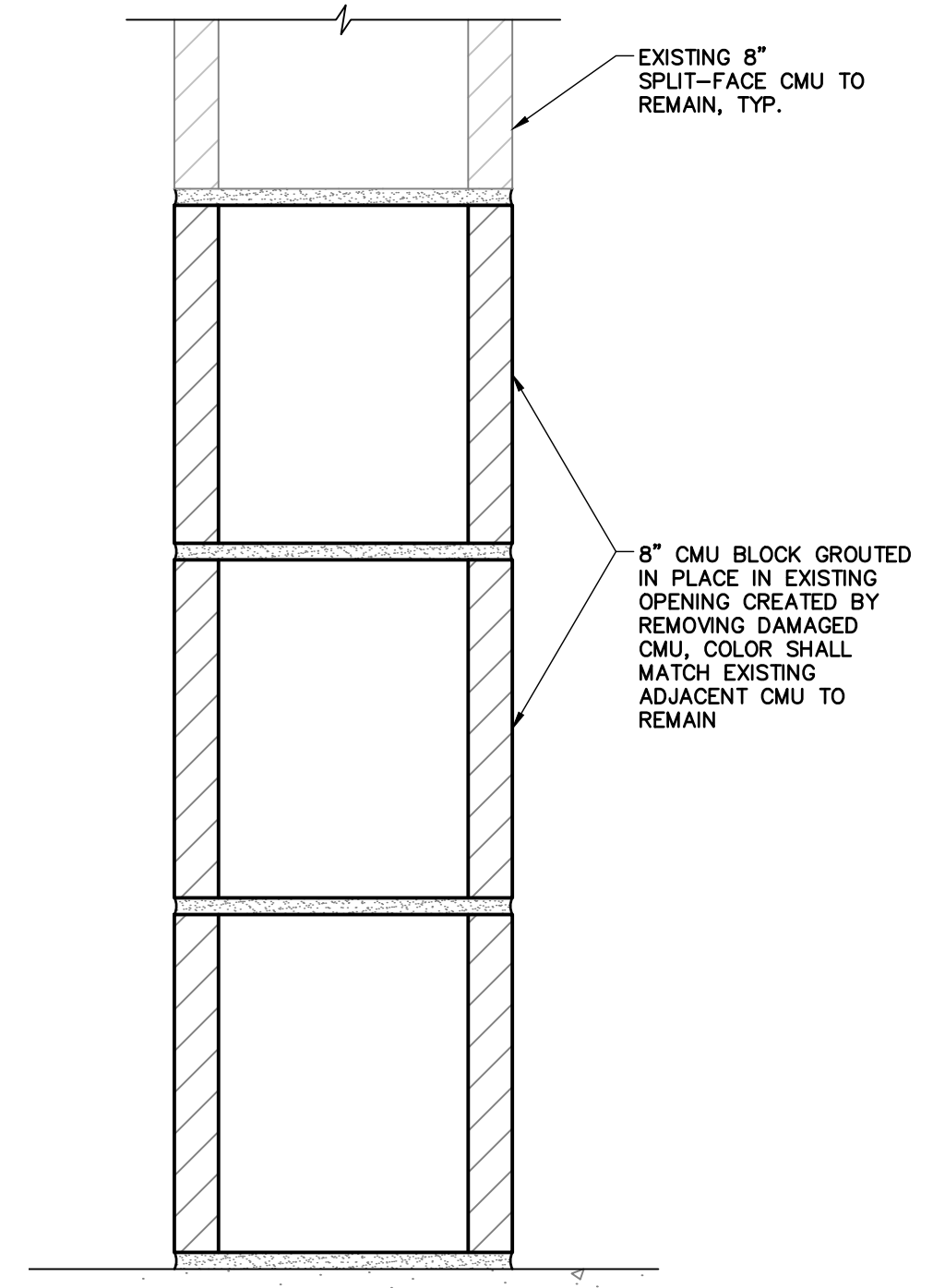


FACILITY RENOVATIONS PHASE II  
**ENLARGED MECHANICS BREAK ROOM  
REFLECTED CEILING PLAN - REMOVALS**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

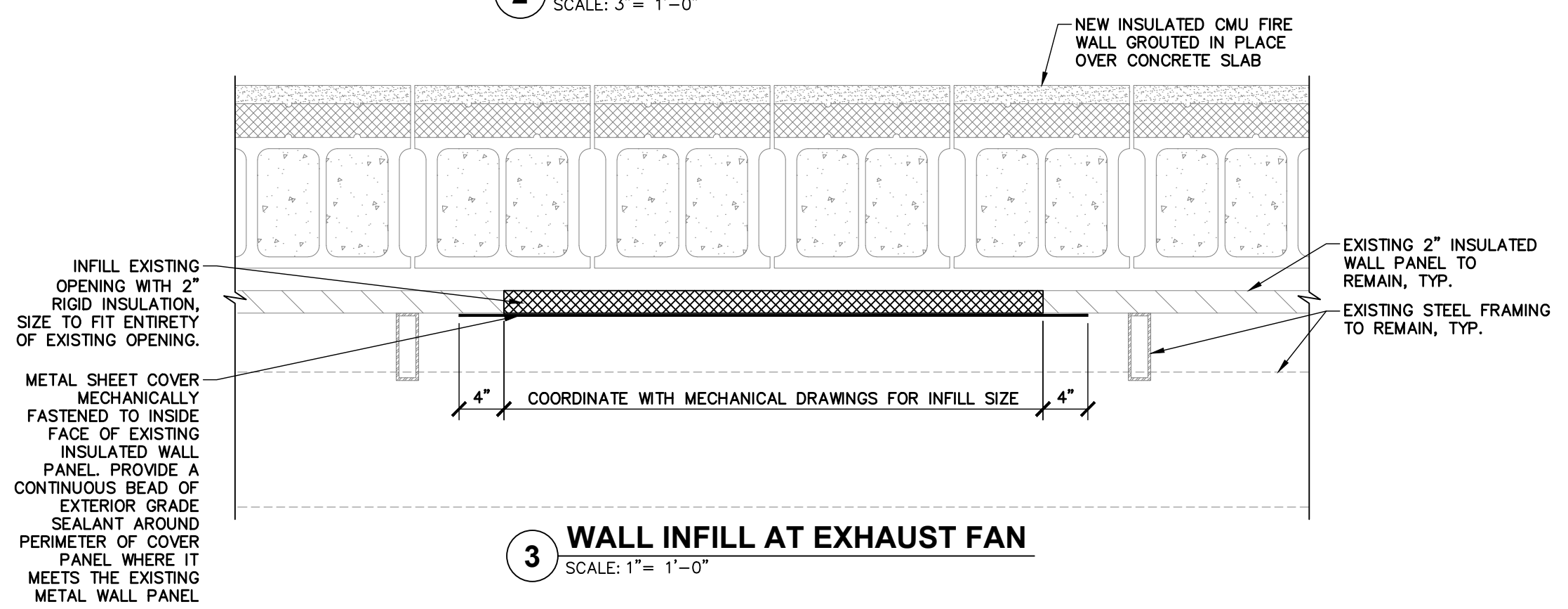
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>AD-407</b>

**CONSTRUCTION NOTES:**

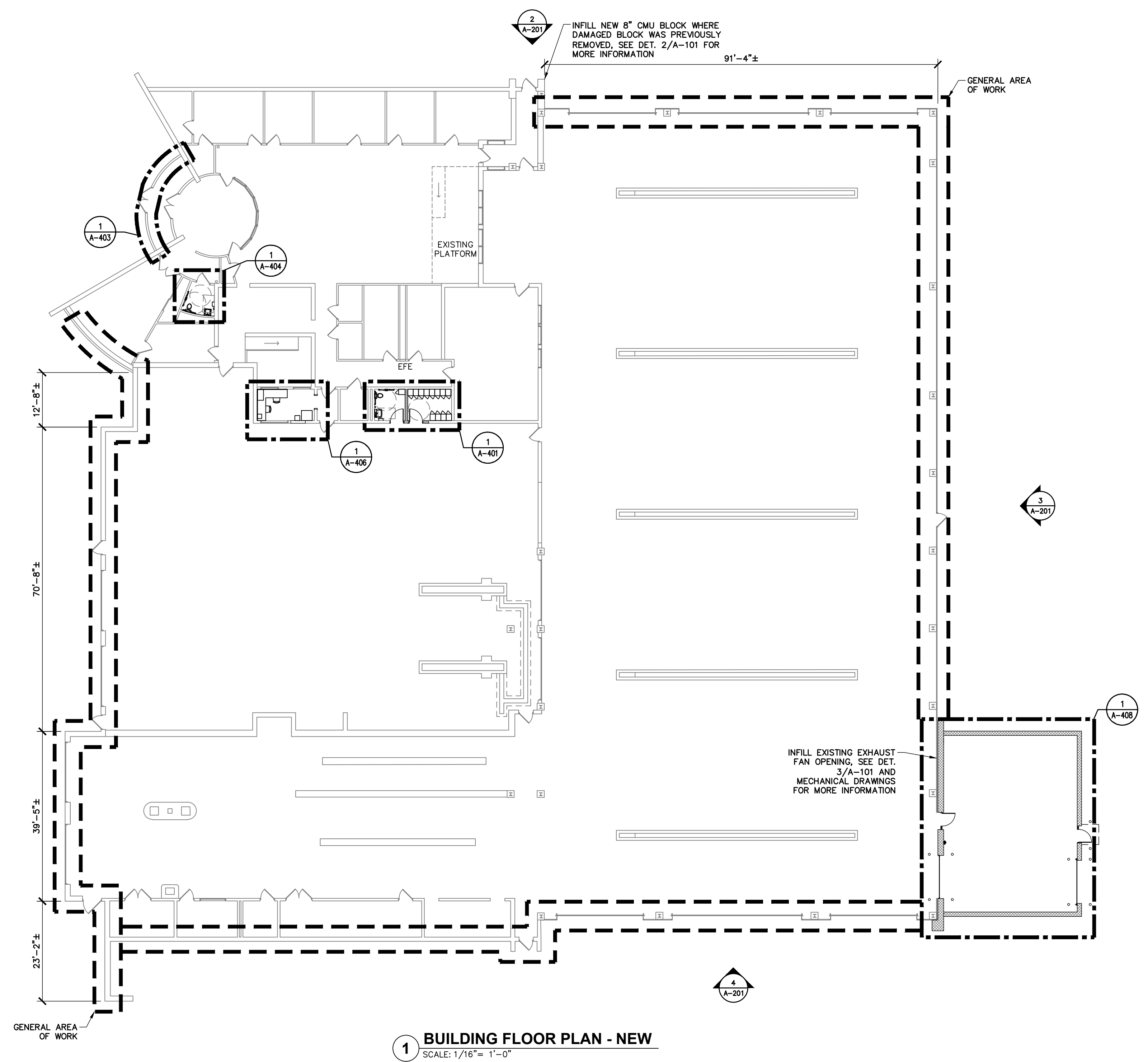
- ALL DIMENSIONS SHALL BE FIELD VERIFIED. DO NOT SCALE DRAWINGS. INDICATED DIMENSION ARE TO FACE OF EXTERIOR MATERIAL, FRAMING AND EDGE OF ITEMS UNLESS NOTED OTHERWISE.
- MINOR ITEMS OF WORK SUCH AS CUTTING, BLOCKING, TRIMMING ETC. SHALL BE PERFORMED AS REQUIRED TO MAKE THE WORK COMPLETE WHETHER SHOWN OR NOTED ON THE CONTRACT DOCUMENTS OR NOT.
- COORDINATE SUBFRAMING FOR EXTERIOR METAL PANEL WITH STRUCTURAL FRAMING TO PROVIDE METAL PANEL SUPPORT AS REQUIRED BY THE METAL PANEL MANUFACTURER.
- FOR ALL STRUCTURAL COMPONENTS, SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- THE CONTRACTOR SHALL CUT AND PATCH EXISTING CONSTRUCTION AS REQUIRED TO COMPLETE WORK.
- THE CONTRACTOR SHALL RESTORE DAMAGED OR EXPOSED FINISHES OR PATCHED AREAS IN A MANNER WHICH ELIMINATES EVIDENCE OF PATCHING OR FINISHING.
- CONTRACTOR TO INSTALL TEMPORARY MEASURES TO PREVENT WEATHER ENTRY INTO THE BUILDING DURING THE CONSTRUCTION PERIOD.
- SEAL ALL JOINTS, SEAMS, EDGES, ETC. ON THE EXTERIOR METAL PANELS WITH EXTERIOR GRADE SEALANT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL MISC. STEEL REQUIRED FOR THE SUPPORT OF ANY EQUIPMENT.
- CONTRACTOR TO FIRE SEAL ALL JOINTS AT RATED WALLS, FLOORS AND DECKS IMMEDIATELY UPON DISTURBANCE.
- THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED CONCRETE.
- CONTRACTOR SHALL SEAL ALL SEAMS VOIDS, HOLES AND AROUND ANY UNSEALED PENETRATIONS IN EXTERIOR MATERIAL TO CREATE A WEATHER TIGHT EXTERIOR ENVELOPE.
- CONTRACTOR SHALL INFILL ALL NON USED OPENING AND VOIDS IN EXISTING EXTERIOR MATERIAL TO REMAIN WITH MATERIAL TO MATCH EXISTING.



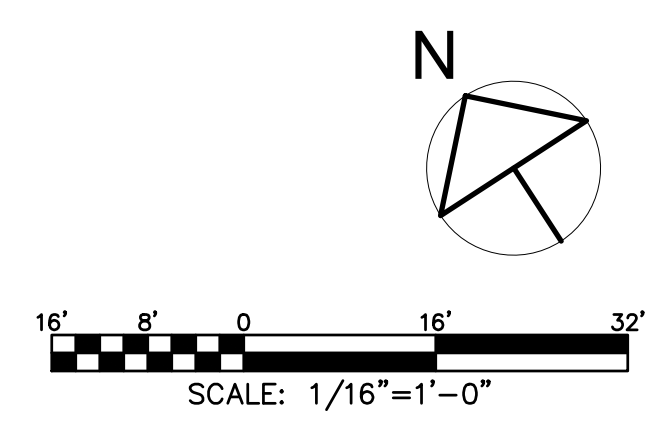
**2 TYPICAL CMU INFILL**  
SCALE: 3" = 1'-0"



**3 WALL INFILL AT EXHAUST FAN**  
SCALE: 1" = 1'-0"

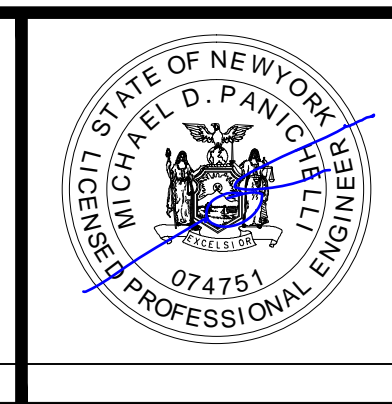


**1 BUILDING FLOOR PLAN - NEW**  
SCALE: 1/16" = 1'-0"



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: NGC  
 DESIGNED BY: SMB  
 DRAWN BY: SMB  
 CHECKED BY: NGC



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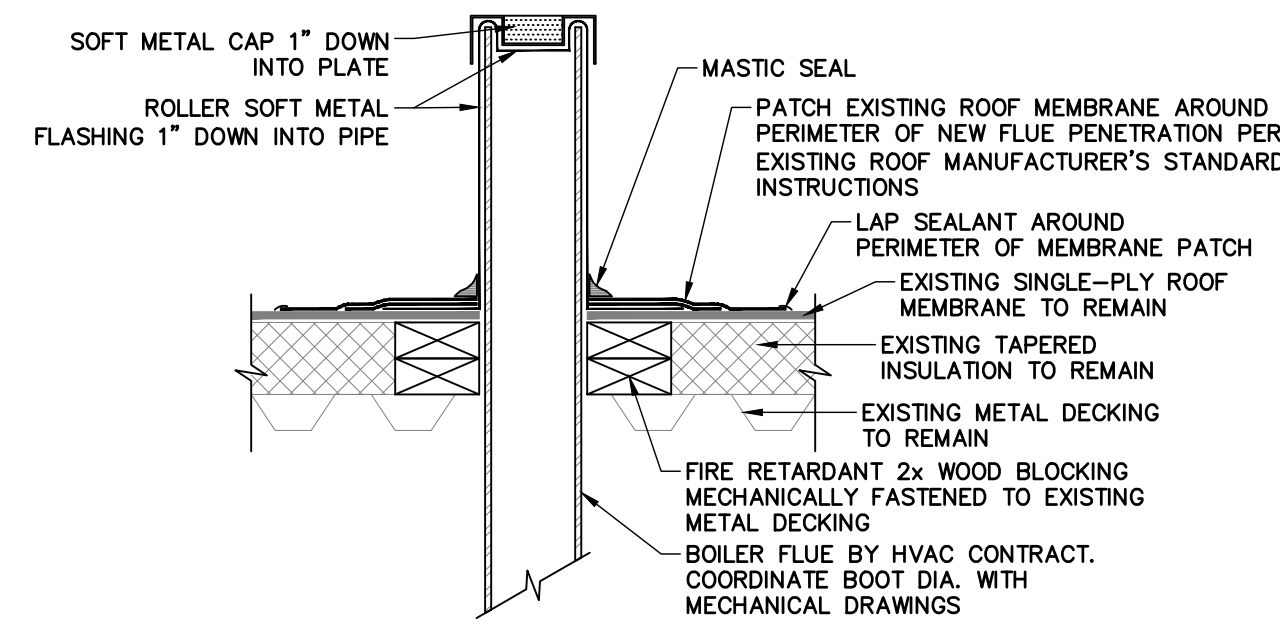


FACILITY RENOVATIONS PHASE II  
**BUILDING FLOOR PLAN - NEW**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**A-101**

**ROOF NOTES:**

1. STOCKPILING NEW CONSTRUCTION MATERIAL ON THE EXISTING AND OR NEW ROOFING IS NOT PERMITTED.
2. ALL WOOD BLOCKING SHALL BE PRESSURE TREATED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING OSHA REQUIREMENTS FOR FALL PROTECTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FINAL ROOF SYSTEM THAT IS WATER TIGHT. ALL WATER PENETRATIONS THROUGH THE NEW ROOF SYSTEM SHALL BE REPAIRED BY THE CONTRACTOR AT NO CHARGE TO THE DIRECTOR'S REPRESENTATIVE.
5. ALL NEW ROOF EQUIPMENT AND EQUIPMENT SUPPORTS SHALL NOT IMPEDE THE FLOW OF WATER ON THE ROOF TO THE ROOF DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INCLUSION OF ROOF CRICKETS AROUND ALL NEW ROOF ITEMS THAT IMPEDE THE FLOW OF WATER ON THE ROOF TO THE ROOF DRAINS.



**NOTE:**

SOFT METAL FLASHING

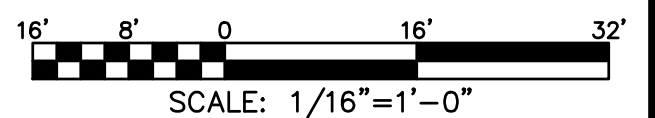
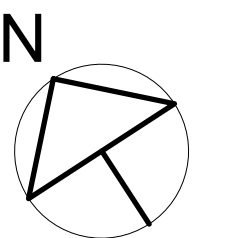
1.) SHEET LEAD MINIMUM 4 LB/SF

**BID ALTERNATE BOILER FLUE BOOT**

SCALE: 1-1/2" = 1'-0"

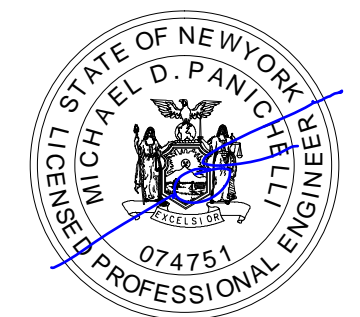


**1 BUILDING ROOF PLAN - NEW**  
 SCALE: 1/16" = 1'-0"



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
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FACILITY RENOVATIONS PHASE II  
**EXISTING BUILDING ROOF PLAN - NEW**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK


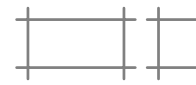
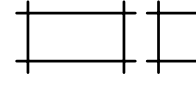
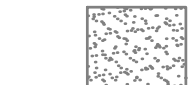


SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

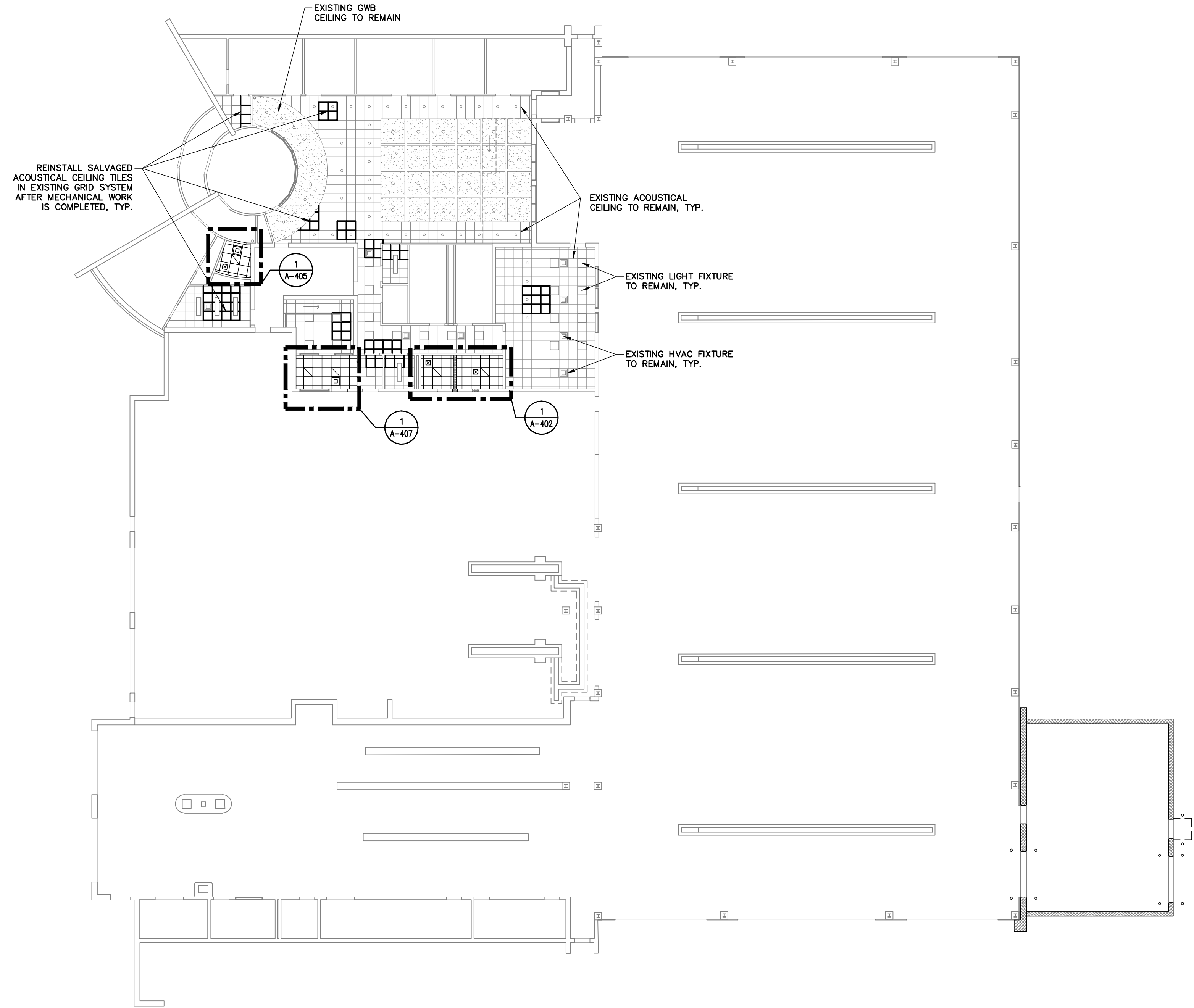
**A-102**

**CEILING NOTES:**

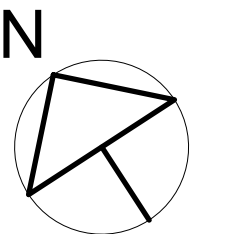
1. VERIFY FINAL LOCATION OF ALL CEILING PENETRATIONS WITH MECHANICAL AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF CEILING SYSTEM.
2. ALL SUSPENDED CEILING GRIDS ARE TO BE CENTERED IN SPACE UNLESS OTHERWISE NOTED.
3. ALL SUSPENDED CEILING GRIDS SHALL MATCH EXISTING CEILING HEIGHT OF CEILING BEING REPLACED FROM FINISHED FLOOR TO BOTTOM OF GRID UNLESS NOTED OTHERWISE.
4. ALL EXISTING CEILING SYSTEMS THAT ARE TO BE MODIFIED SHALL BE PATCHED WITH COMPONENTS THAT MATCH THE EXISTING CEILING SYSTEM. PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
5. DIFFUSERS, REGISTERS, GRILLES, LIGHT FIXTURES AND OTHER CEILING COMPONENTS ARE SHOWN FOR CLARITY. SEE MEP DRAWINGS FOR MORE INFORMATION ON THESE ITEMS.
6. INSTALL NEW CEILING GRID, TILE AND HANGERS ONLY WHEN ALL MECHANICAL WORK IN CEILING IS DONE.
7. COORDINATE RE-INSTALLATION OF ANY SALVAGED CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS.

**LEGEND:**

-  EXISTING WALL TO REMAIN, TYP.
-  EXISTING ACOUSTICAL CEILING TILE AND GRID TO REMAIN
-  REINSTALL SALVAGED ACOUSTICAL CEILING TILES AFTER MECHANICAL WORK IS COMPLETED, TYP.
-  EXISTING GWB CEILING TO REMAIN, TYP.
-  EXISTING LIGHT FIXTURE TO REMAIN, TYP.
-  EXISTING HVAC FIXTURE TO REMAIN



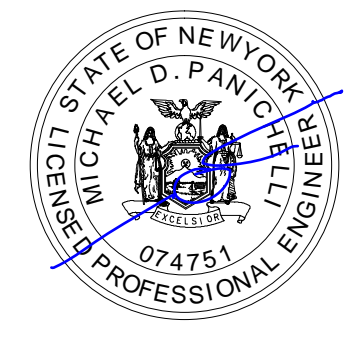
**1 BUILDING REFLECTED CEILING PLAN - NEW**  
SCALE: 1/16" = 1'-0"



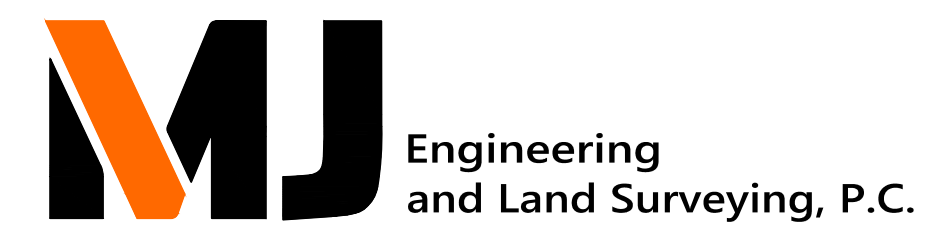
16' 8' 0' 16' 32'  
SCALE: 1/16"=1'-0"

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**EXISTING BUILDING REFLECTED CEILING PLAN - NEW**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

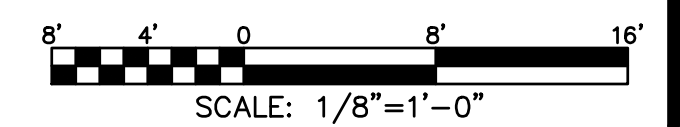
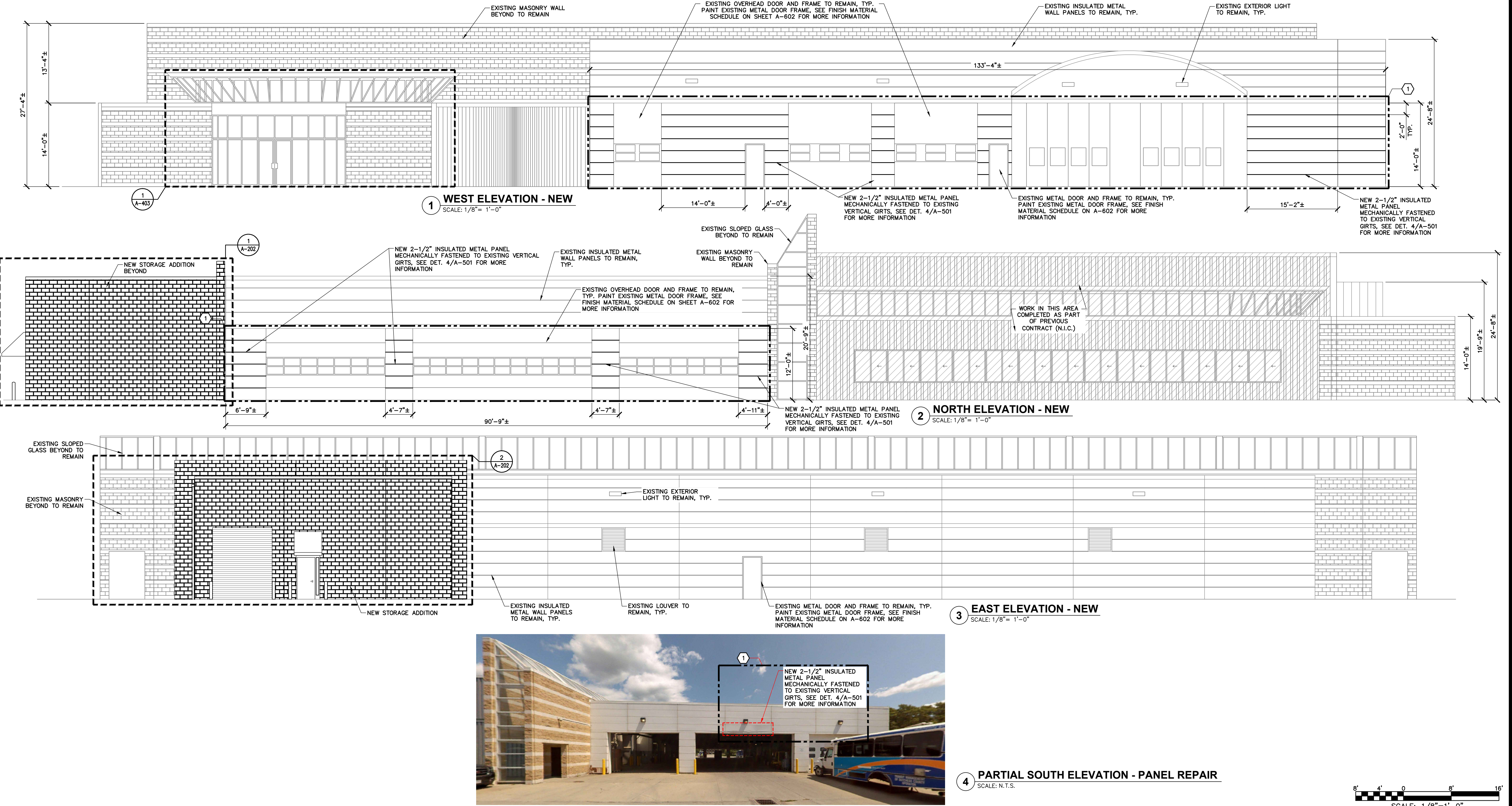
**A-103**

**LEGEND:**

1. AREAS OF BUILDING DENOTED WITH  ARE PART OF A PREVIOUSLY COMPLETED CONSTRUCTION PHASE AND ARE NOT PART OF THIS CONTRACT DRAWING SET.

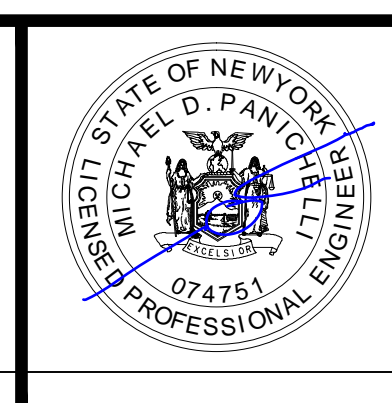
**BID ALTERNATE NOTE: ①**

1. THE CONTRACTOR SHALL REVIEW AND PROVIDE A BID ALTERNATE OPTION #1 PRICE IN THE REQUESTED BID PROPOSAL. ALL WORK AND MATERIALS ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE EXISTING 764 SQFT± OF INSULATED METAL WALL PANELS ON THE NORTH FACE OF THE BUILDING AND THE 249 SQFT± OF INSULATED METAL WALL PANELS ON THE SOUTH FACE OF THE BUILDING, METAL FLASHING AND SEALANT. THE CONTRACTOR SHALL PROVIDE A TOTAL COST FOR THE BID ALTERNATE OPTION #1 THAT INCLUDES BUT IS NOT LIMITED TO: INTERIOR PROTECTION AND MODIFICATION, EXISTING INSULATED PANEL SYSTEM REMOVAL AND DISPOSAL, AND NEW INSULATED PANEL SYSTEM INSTALL. DOOR FRAME WORK IS PART OF THE BASE BID AND NOT PART OF THE DEDUCT ALTERNATE.



SUBMITTAL / REVISIONS				
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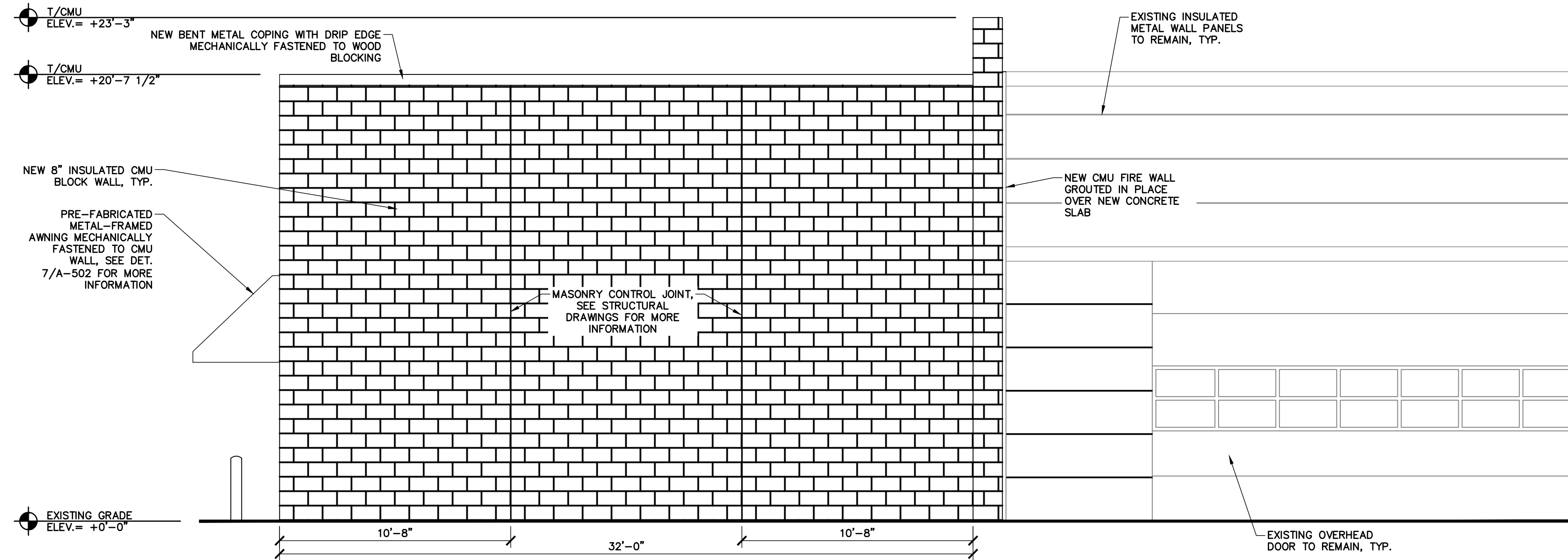


FACILITY RENOVATIONS PHASE II  
**ELEVATIONS - NEW**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

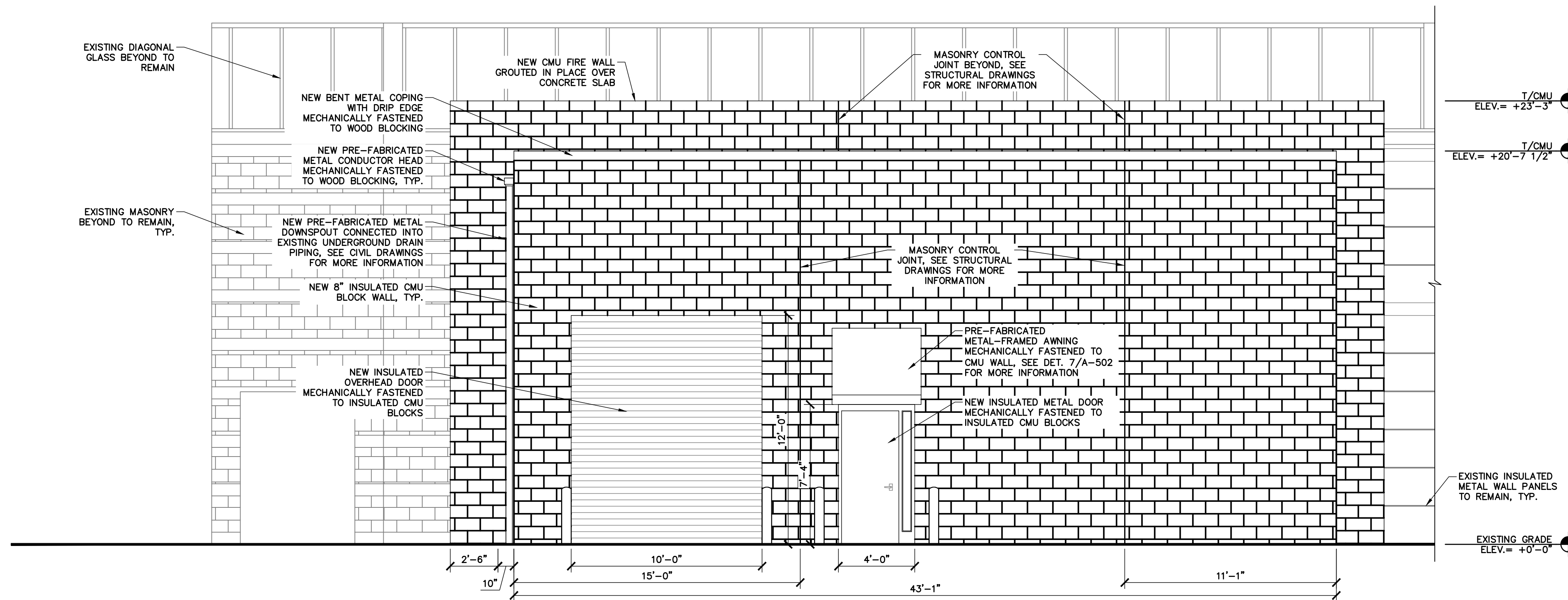
SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**A-201**

**CONTROL JOINT NOTE:**

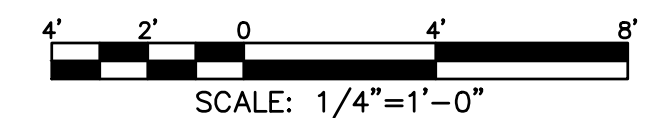
1. MASONRY CONTROL JOINT LOCATION IS TYPICAL AT NORTH AND SOUTH ELEVATIONS.



**1 NORTH ELEVATION - NEW**  
SCALE: 1/4" = 1'-0"

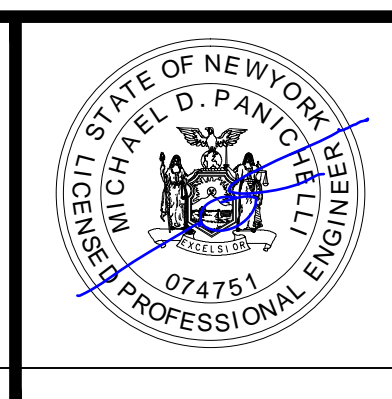


**2 EAST ELEVATION - NEW**  
SCALE: 1/4" = 1'-0"



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



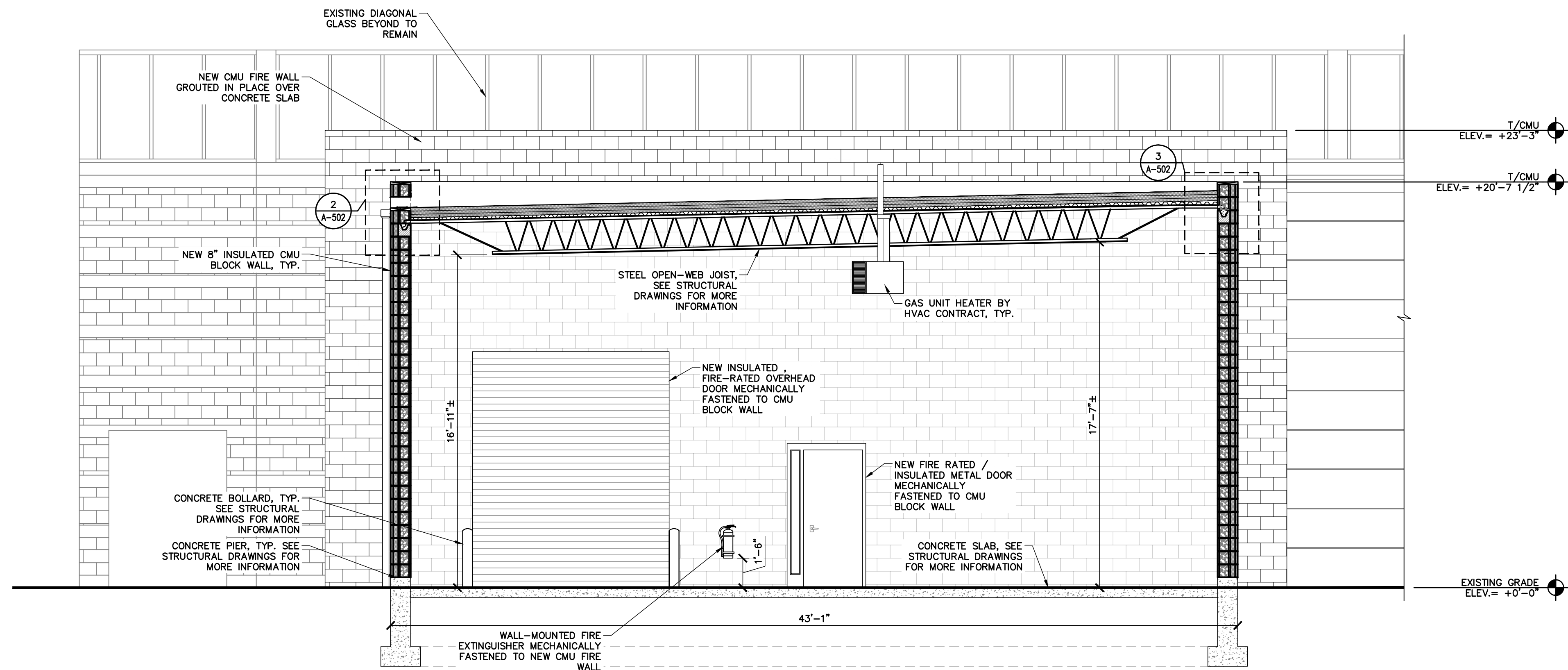
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



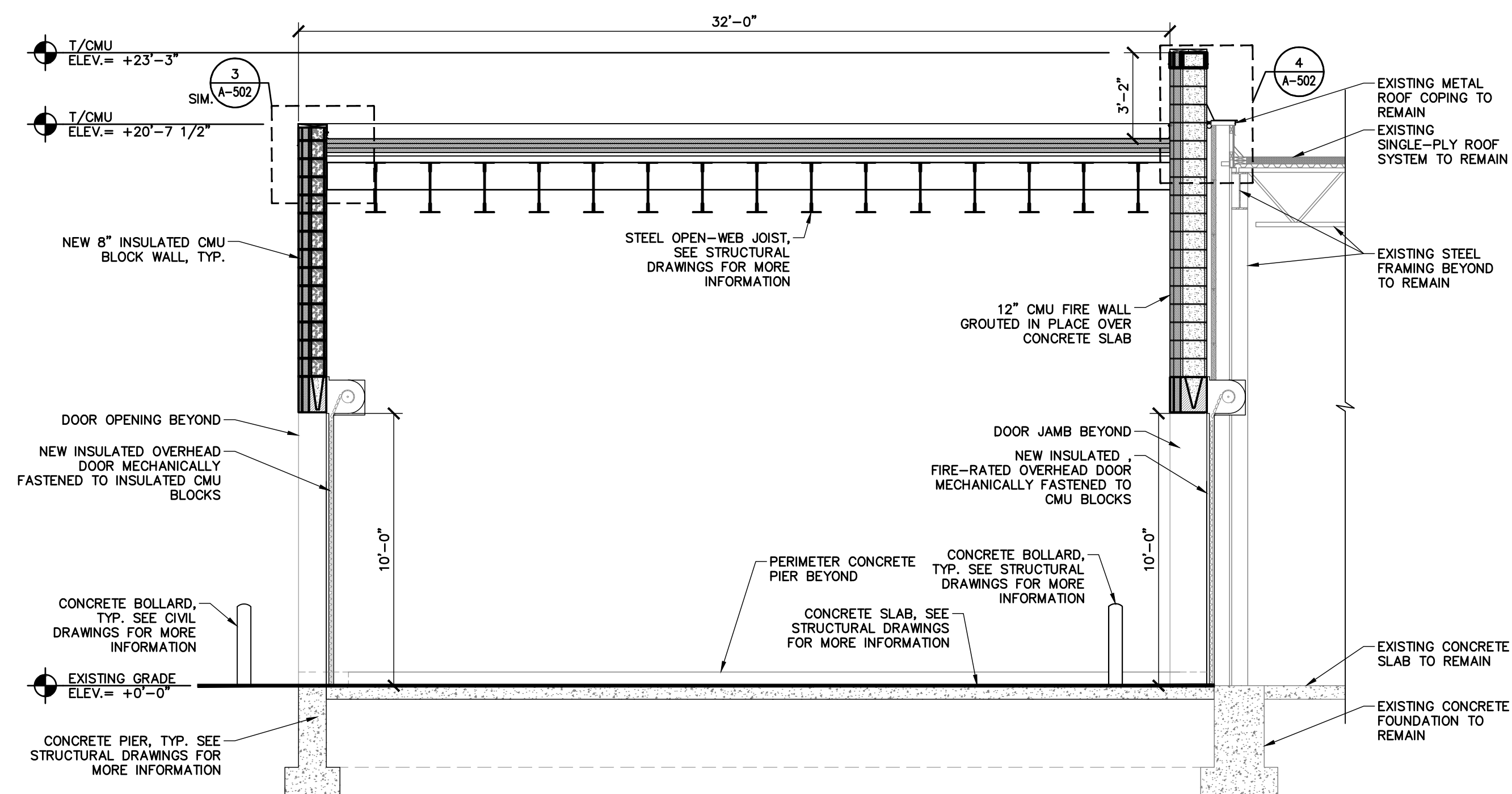
FACILITY RENOVATIONS PHASE II  
**ADDITION BUILDING ELEVATIONS - NEW**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**A-202**

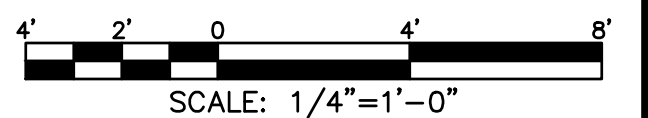




**1 ADDITION BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

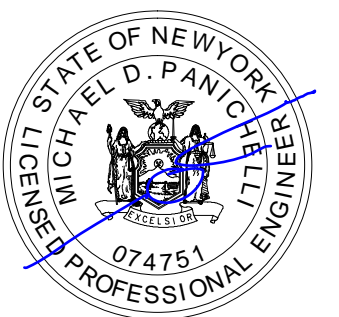


**2 ADDITION BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

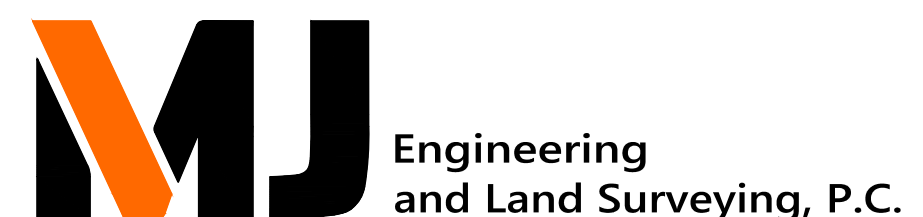


SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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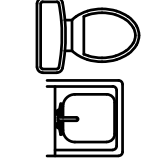


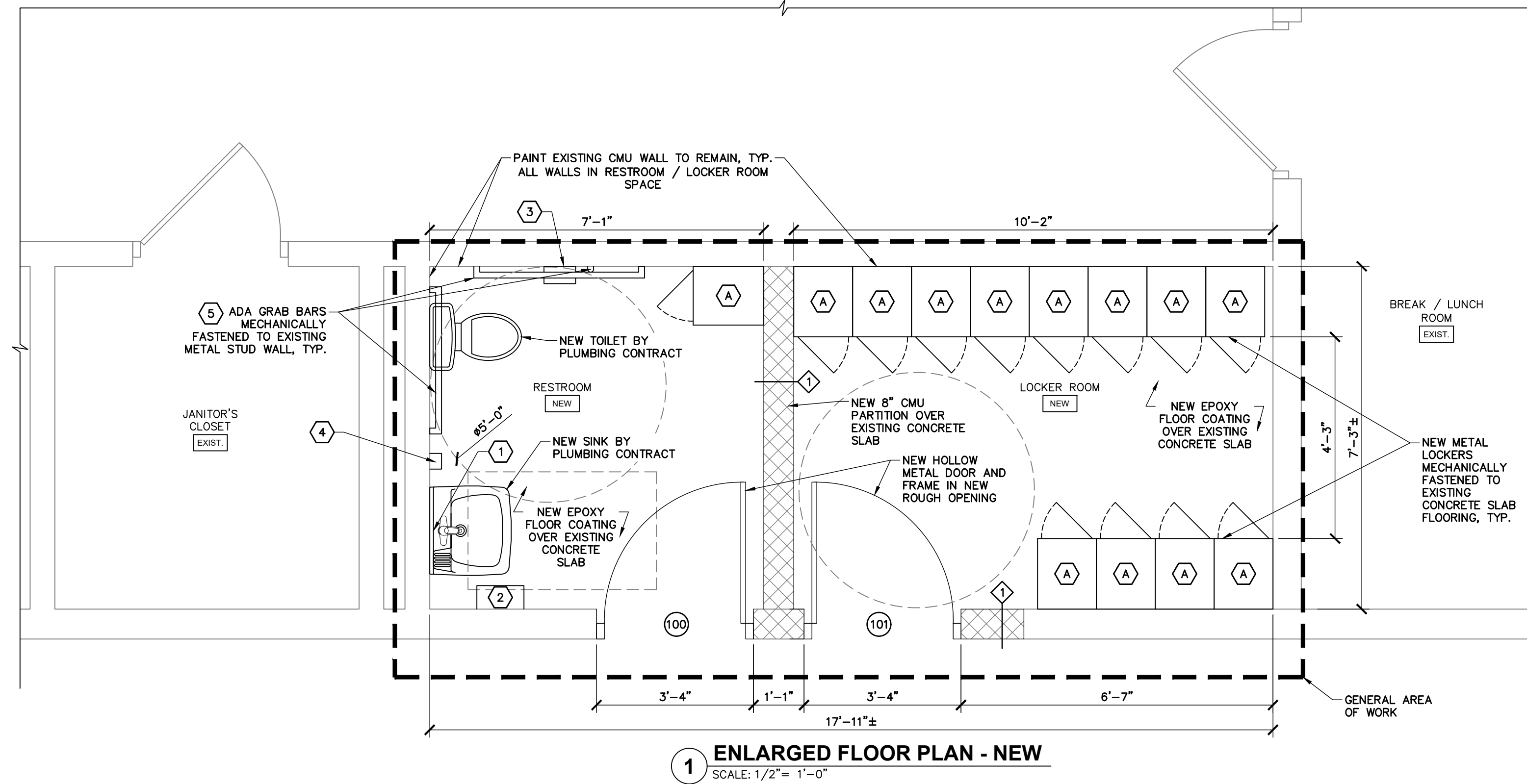
FACILITY RENOVATIONS PHASE II  
**ADDITION BUILDING SECTIONS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**A-301**

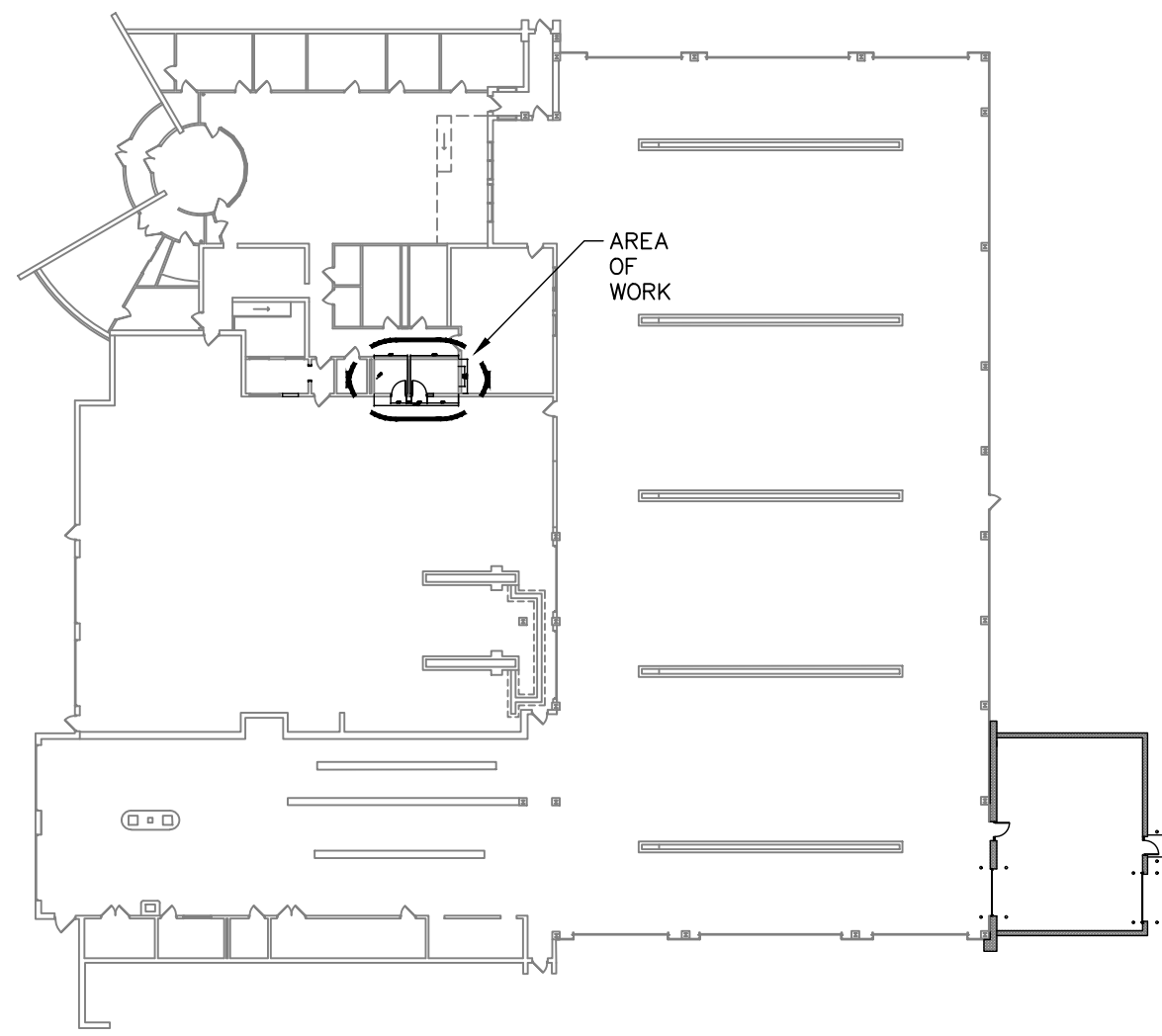
**LEGEND:**

-  EXISTING WALL PARTITION TO REMAIN
-  NEW WALL, SEE WALL TYPES ON A-501
-  EXISTING DOOR AND FRAME TO REMAIN
-  NEW DOOR AND FRAME, SEE DOOR SCHEDULE ON A-601
-  NEW PLUMBING FIXTURES BY PLUMBING CONTRACT

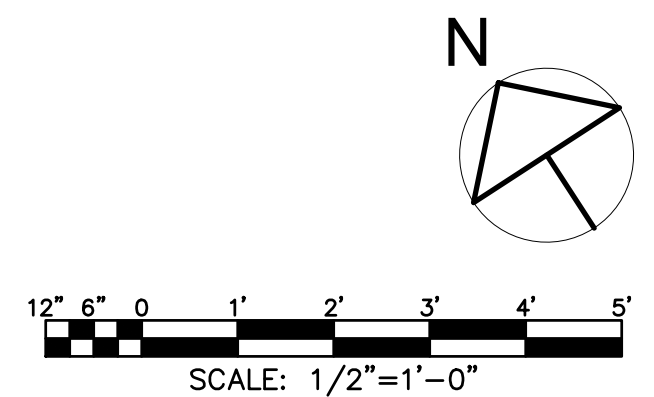


BATHROOM AND TOILET ACCESSORIES SCHEDULE		
TAG	DEFINITION	REMARKS
①	18" x 30" GLASS MIRROR WITH S/S FRAME	SEE DET. 2/A-501 FOR MOUNTING HEIGHTS AND SIZES
②	PAPER TOWEL DISPENSER	
③	SURFACE MOUNTED TOILET TISSUE DISPENSER	
④	SOAP DISPENSER	
⑤	GRAB BARS	
A	15"W x 18"D x 72"H SINGLE-UNIT LOCKER	BASIS OF DESIGN: ULINE - SINGLE TIER INDUSTRIAL LOCKERS (H-5528)

LOCKER ROOM ACCESSORIES SCHEDULE			
TAG	DEFINITION	COUNT	REMARKS
A	15"W x 18"D x 72"H SINGLE-UNIT LOCKER	12	BASIS OF DESIGN: ULINE - SINGLE TIER INDUSTRIAL LOCKERS (H-5528)

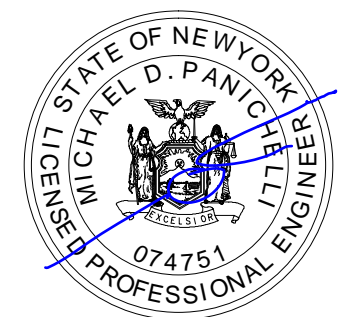


**KEYPLAN**  
SCALE: N.T.S.

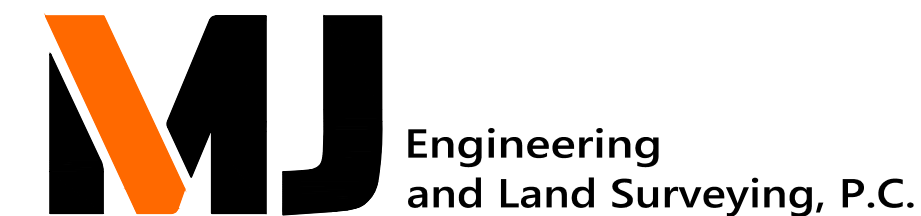


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**ENLARGED LOCKER ROOM AND RESTROOM FLOOR PLAN - NEW**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK



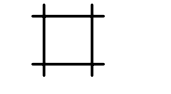

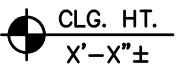
SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

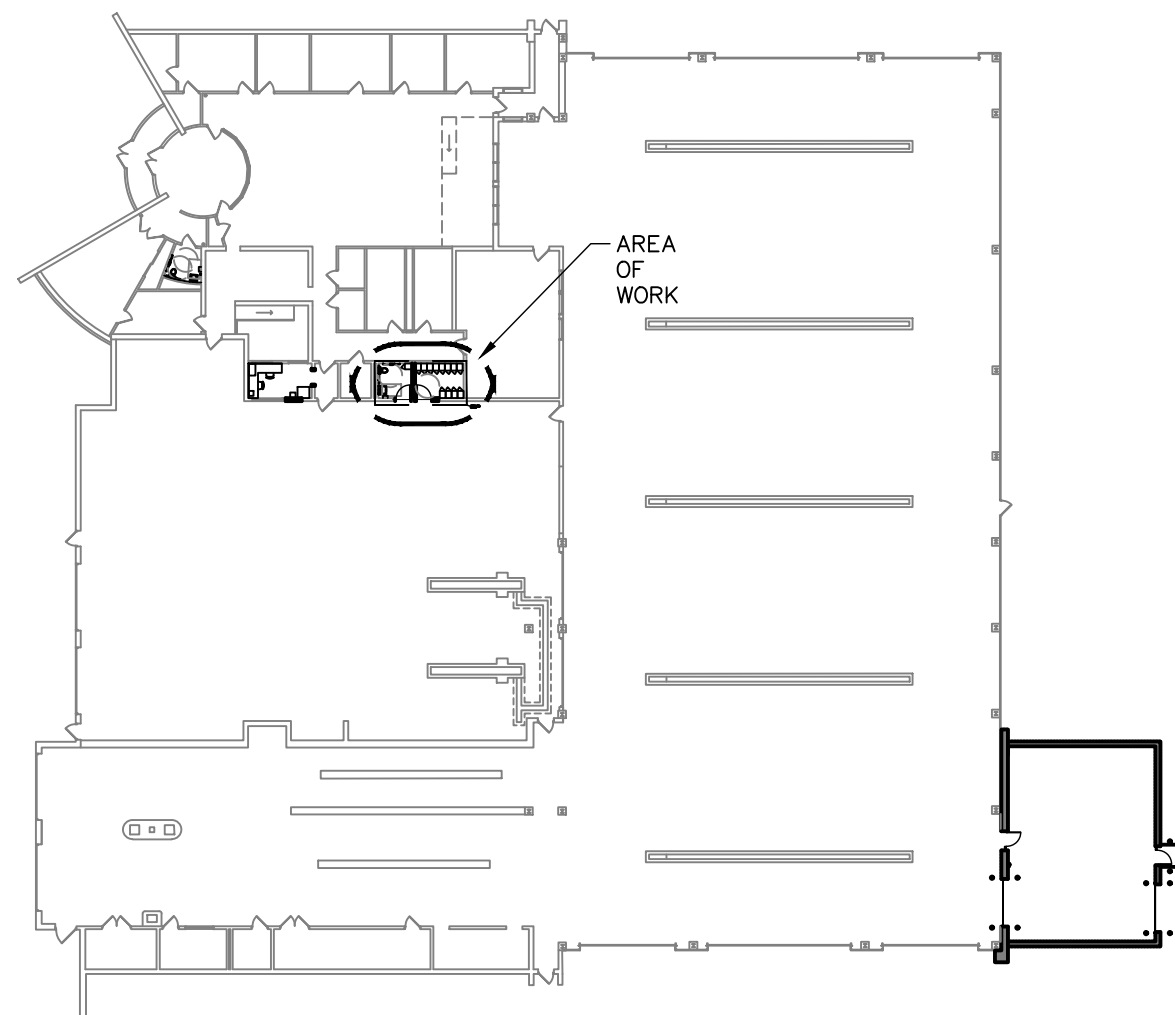
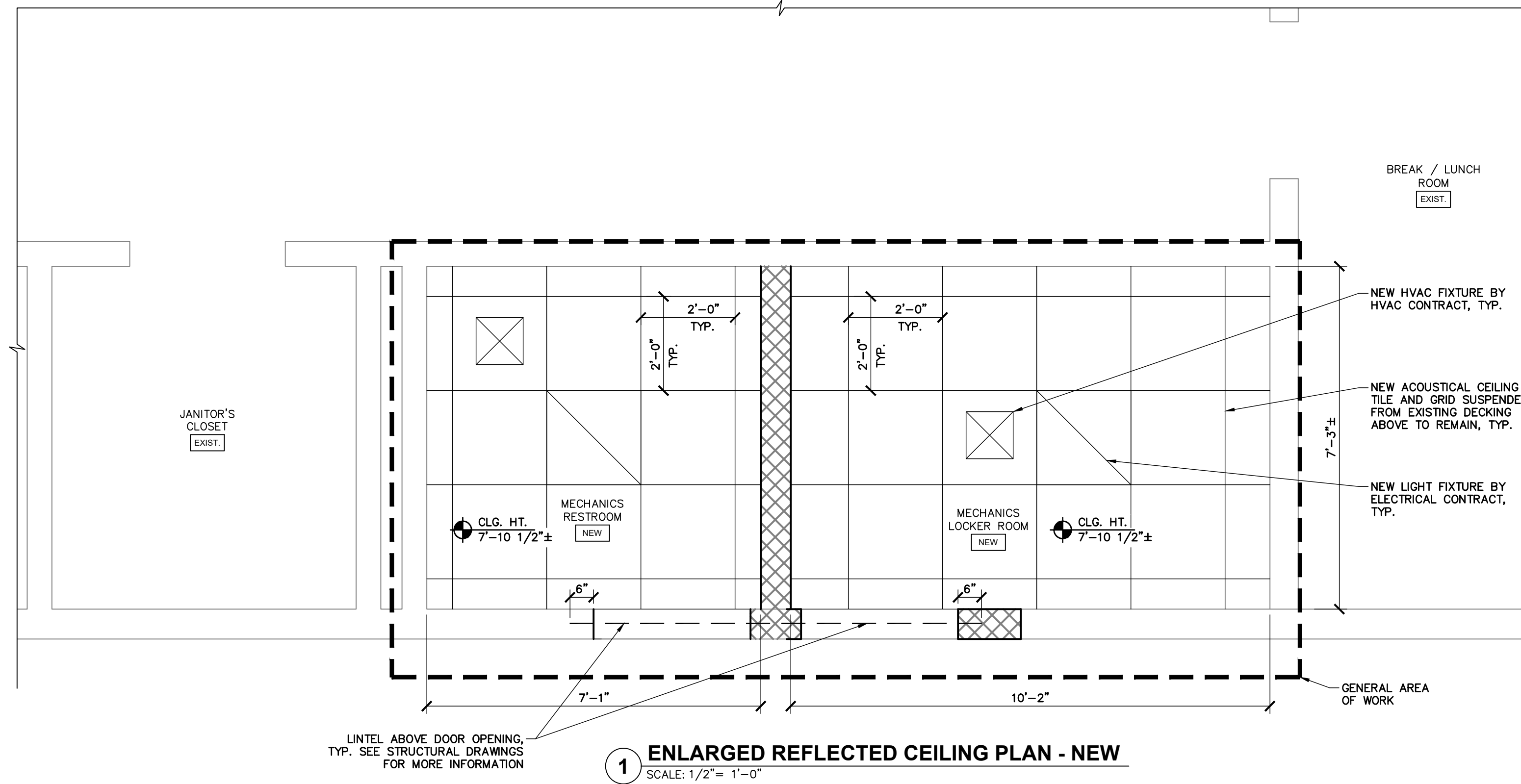
**A-401**

**CEILING NOTES:**

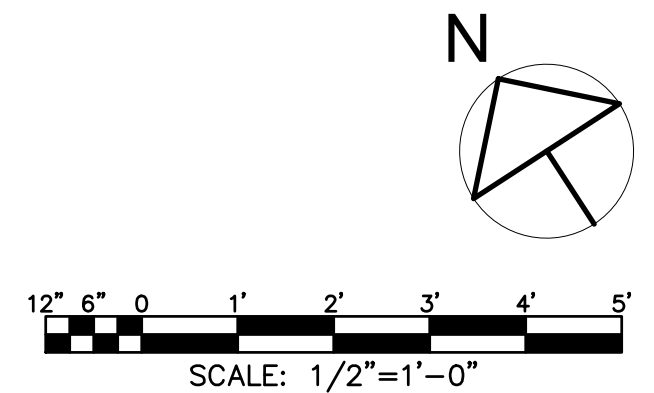
1. VERIFY FINAL LOCATION OF ALL CEILING PENETRATIONS WITH MECHANICAL AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF CEILING SYSTEM.
2. ALL SUSPENDED CEILING GRIDS ARE TO BE CENTERED IN SPACE UNLESS OTHERWISE NOTED.
3. ALL SUSPENDED CEILING GRIDS SHALL MATCH EXISTING CEILING HEIGHT OF CEILING BEING REPLACED FROM FINISHED FLOOR TO BOTTOM OF GRID UNLESS NOTED OTHERWISE.
4. ALL EXISTING CEILING SYSTEMS THAT ARE TO BE MODIFIED SHALL BE PATCHED WITH COMPONENTS THAT MATCH THE EXISTING CEILING SYSTEM. PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
5. DIFFUSERS, REGISTERS, GRILLES, SWITCHES AND OTHER CEILING COMPONENTS ARE NOT SHOWN FOR CLARITY. SEE MEP DRAWINGS FOR MORE INFORMATION ON THESE ITEMS.
6. INSTALL NEW CEILING GRID, TILE AND HANGERS ONLY WHEN ALL MECHANICAL WORK IN CEILING IS DONE.
7. COORDINATE RE-INSTALLATION OF ANY SALVAGED CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS.

**LEGEND:**

-  EXISTING WALL TO REMAIN, TYP.
-  NEW HVAC FIXTURE BY HVAC CONTRACT, TYP.
-  INSTALL NEW ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED HANGERS
-  NEW LIGHT FIXTURE BY ELECTRICAL CONTRACT, TYP.
-  CLG. HT. 'X'-X"±

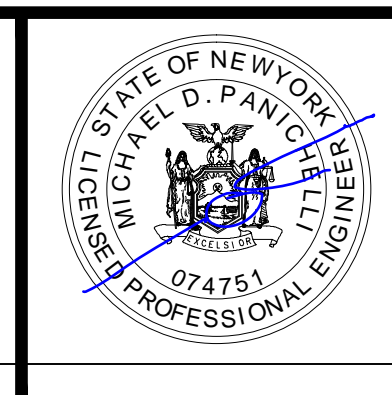


**KEYPLAN**  
SCALE: N.T.S.



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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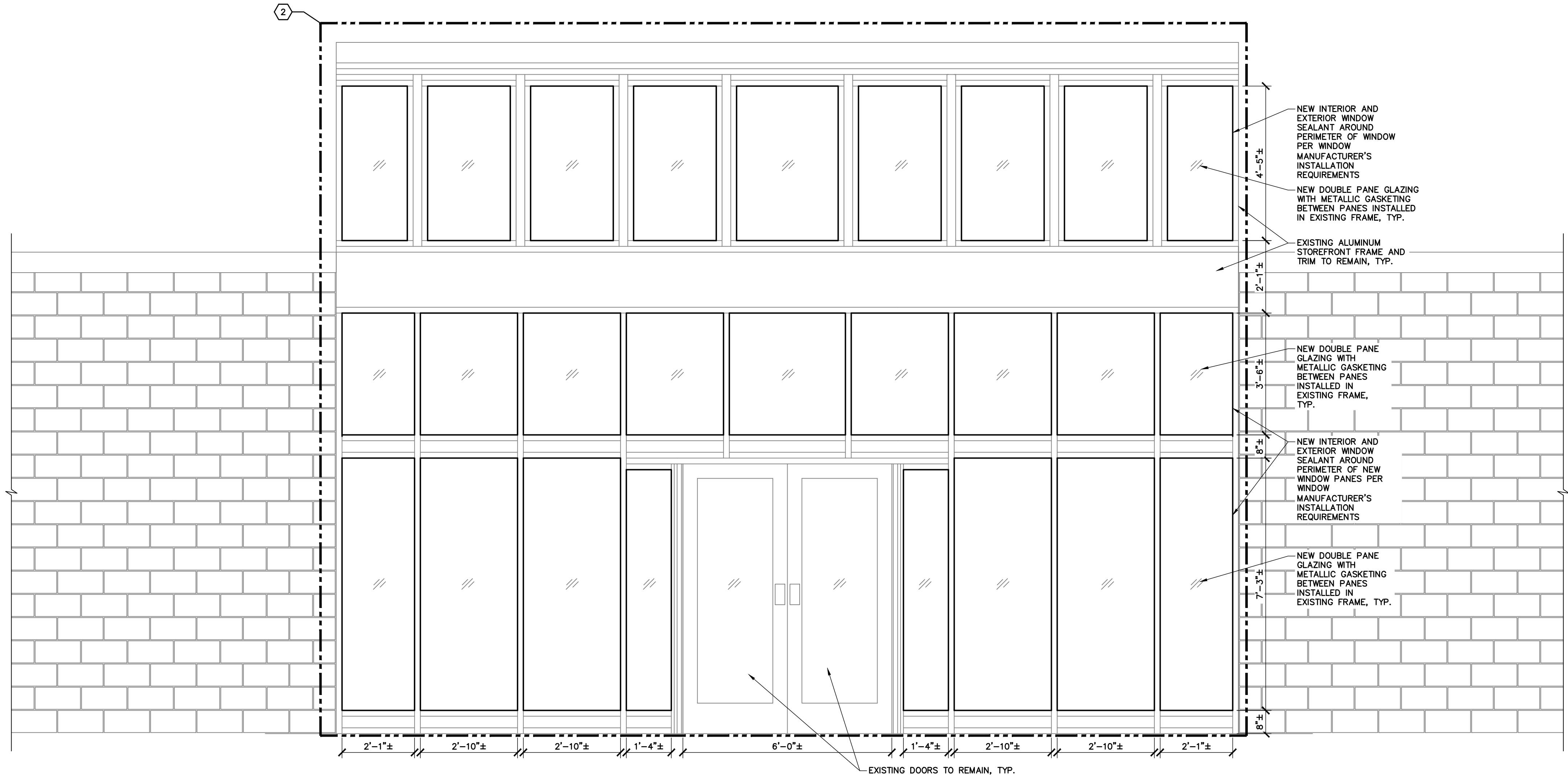


FACILITY RENOVATIONS PHASE II  
**ENLARGED LOCKER ROOM AND RESTROOM REFLECTED CEILING PLAN - NEW**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

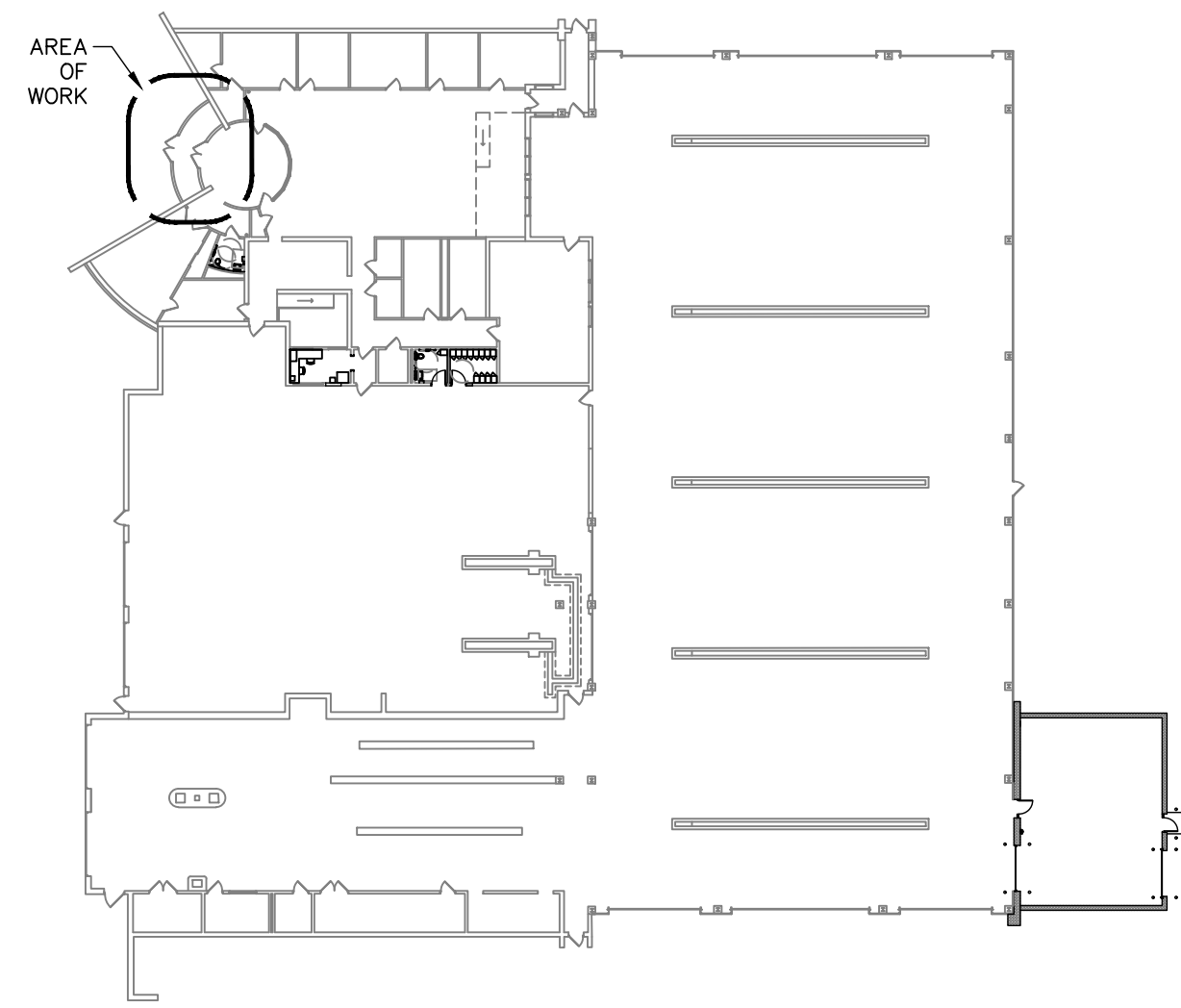
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>A-402</b>

**BID ALTERNATE NOTE: (2)**

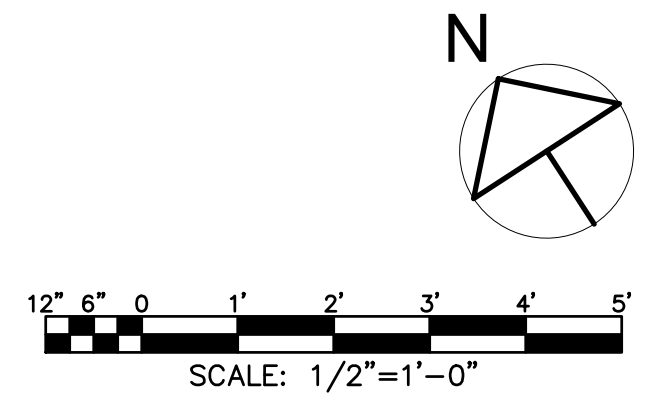
1. THE CONTRACTOR SHALL REVIEW AND PROVIDE A BID ALTERNATE OPTION #1 PRICE IN THE REQUESTED BID PROPOSAL. ALL WORK AND MATERIALS ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE EXISTING 309 SQFT± OF INSULATED GLAZING, METALLIC GASKETING AND SEALANT. THE CONTRACTOR SHALL PROVIDE A TOTAL COST FOR THE BID ALTERNATE OPTION #1 THAT INCLUDES BUT IS NOT LIMITED TO: INTERIOR PROTECTION AND MODIFICATION, WINDOW SYSTEM REMOVAL AND DISPOSAL, AND WINDOW SYSTEM INSTALL.



**1 FRONT ENTRY ELEVATION - NEW**  
SCALE: 1/2" = 1'-0"

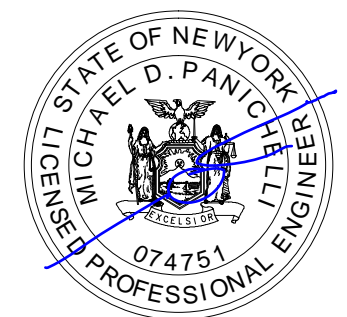


**KEYPLAN**  
SCALE: N.T.S.

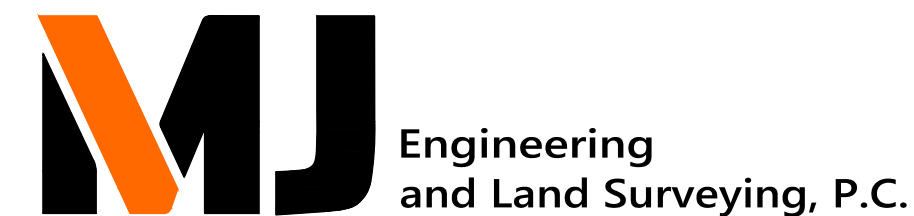


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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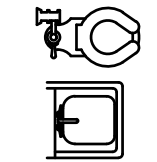


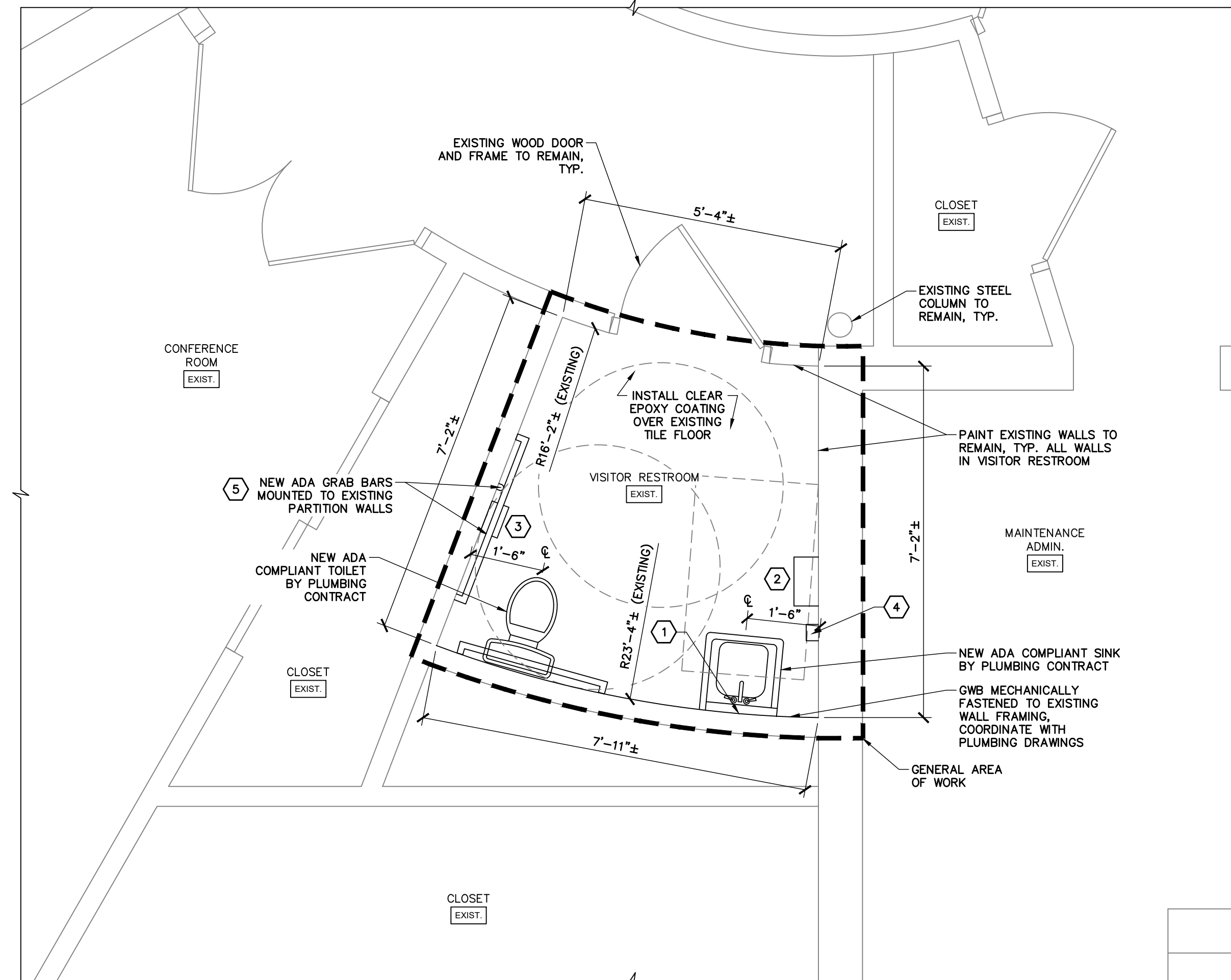
FACILITY RENOVATIONS PHASE II  
**ENLARGED FRONT ENTRY ELEVATION - NEW**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**A-403**

**LEGEND:**

-  EXISTING WALL PARTITION TO REMAIN
-  EXISTING DOOR AND FRAME TO REMAIN
-  NEW PLUMBING FIXTURES BY PLUMBING CONTRACT

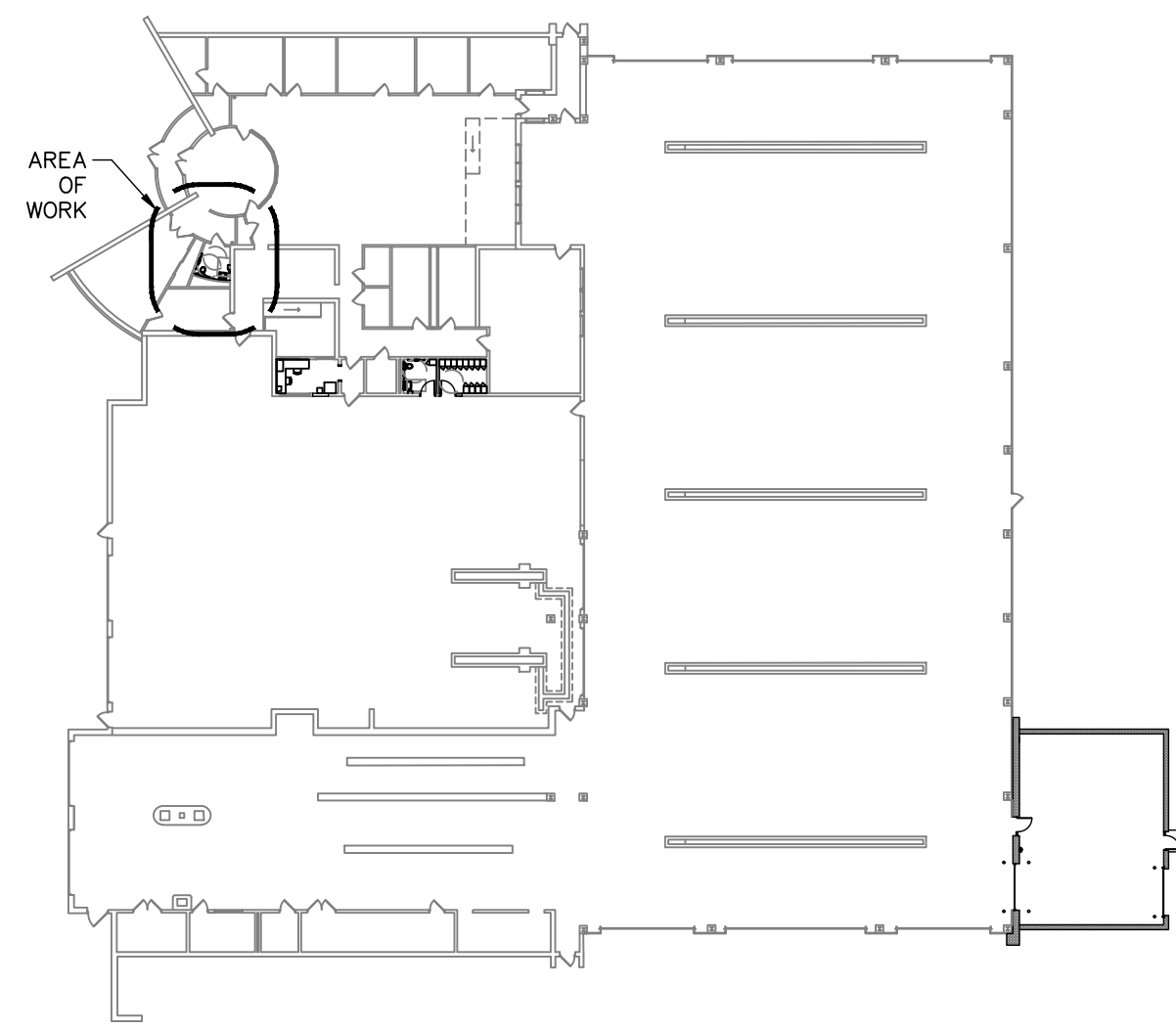


**1 VISITOR RESTROOM FLOOR PLAN - NEW**  
SCALE: 1/2" = 1'-0"

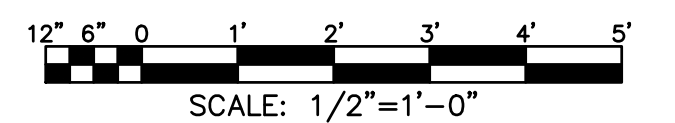
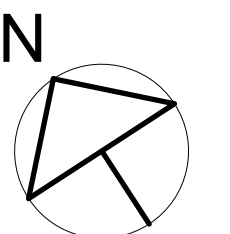
BATHROOM AND TOILET ACCESSORIES SCHEDULE		
TAG	DEFINITION	REMARKS
①	18" x 30" GLASS MIRROR WITH S/S FRAME	SEE DET. 2/A-501 FOR MOUNTING HEIGHTS AND SIZES
②	PAPER TOWEL DISPENSER	
③	SURFACE MOUNTED TOILET TISSUE DISPENSER	
④	SOAP DISPENSER	
⑤	GRAB BARS	

**CLEANING NOTE:**

- EXISTING TILE FLOORING TO REMAIN TO BE THOROUGHLY CLEANED, INCLUDING EXISTING GROUT JOINTS PRIOR TO INSTALLATION OF NEW EPOXY FLOOR COVERING.

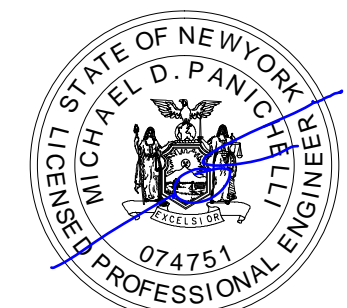


**KEYPLAN**  
SCALE: N.T.S.



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**ENLARGED VISITOR RESTROOM FLOOR PLAN - NEW**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK



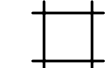


SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

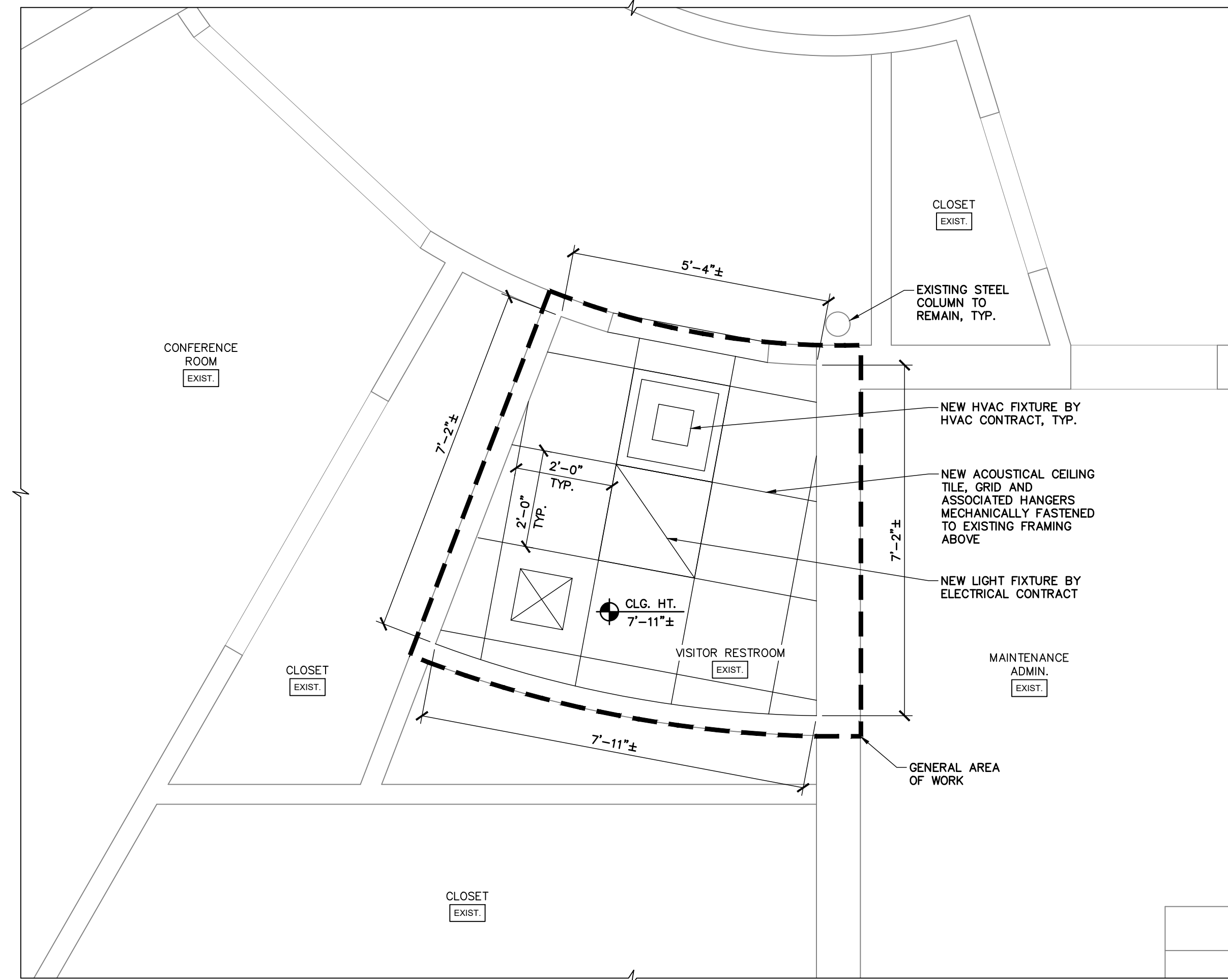
**A-404**

**CEILING NOTES:**

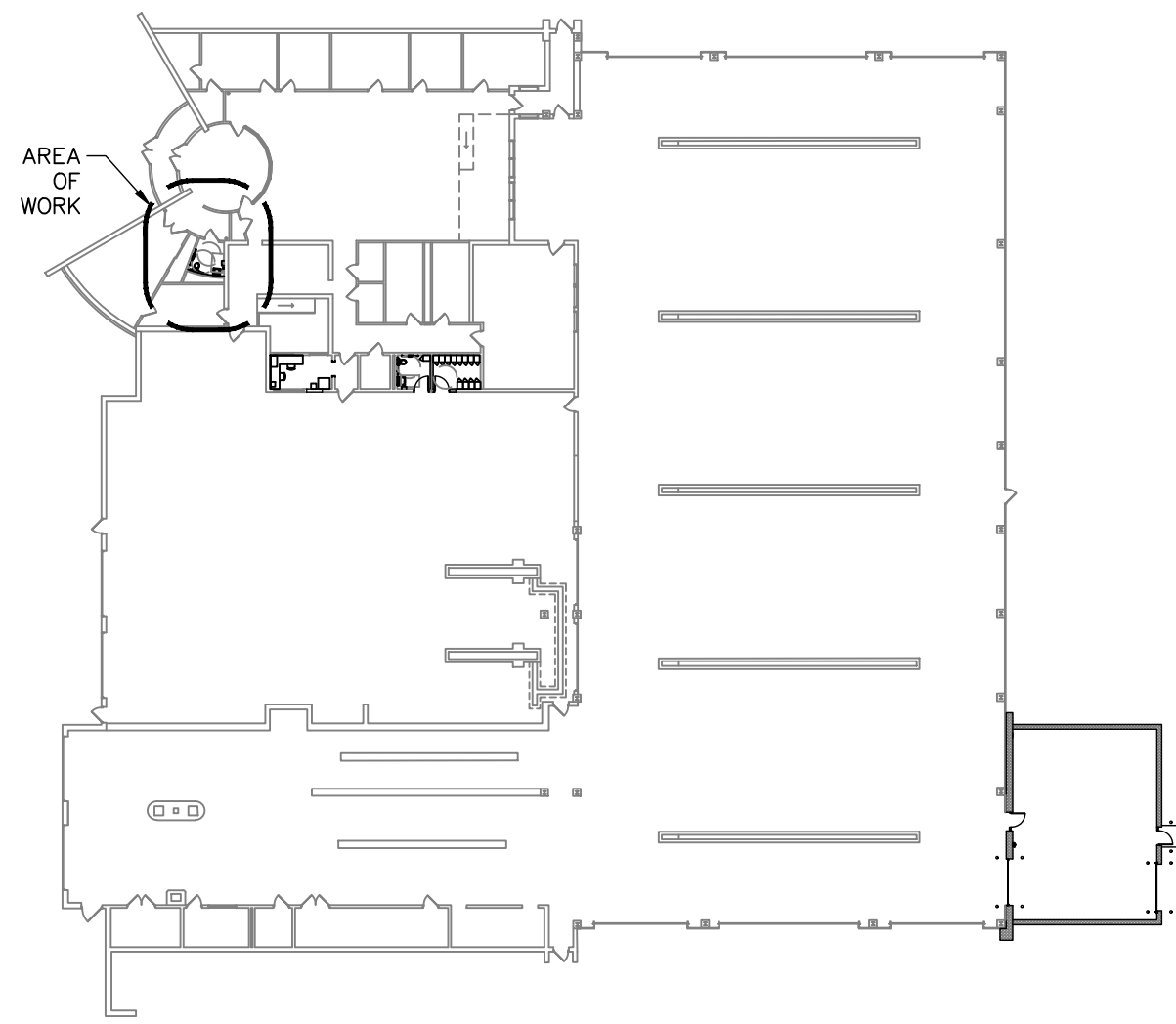
1. VERIFY FINAL LOCATION OF ALL CEILING PENETRATIONS WITH MECHANICAL AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF CEILING SYSTEM.
2. ALL SUSPENDED CEILING GRIDS ARE TO BE CENTERED IN SPACE UNLESS OTHERWISE NOTED.
3. ALL SUSPENDED CEILING GRIDS SHALL MATCH EXISTING CEILING HEIGHT OF CEILING BEING REPLACED FROM FINISHED FLOOR TO BOTTOM OF GRID UNLESS NOTED OTHERWISE.
4. ALL EXISTING CEILING SYSTEMS THAT ARE TO BE MODIFIED SHALL BE PATCHED WITH COMPONENTS THAT MATCH THE EXISTING CEILING SYSTEM. PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
5. DIFFUSERS, REGISTERS, GRILLES, SWITCHES AND OTHER CEILING COMPONENTS ARE NOT SHOWN FOR CLARITY. SEE MEP DRAWINGS FOR MORE INFORMATION ON THESE ITEMS.
6. INSTALL NEW CEILING GRID, TILE AND HANGERS ONLY WHEN ALL MECHANICAL WORK IN CEILING IS DONE.
7. COORDINATE RE-INSTALLATION OF ANY SALVAGED CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS.

**LEGEND:**

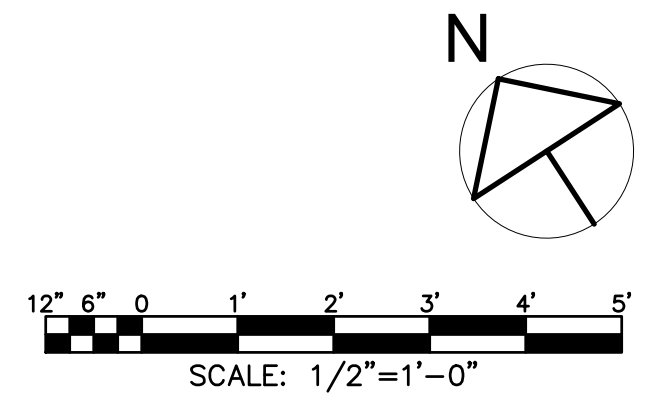
-  EXISTING WALL TO REMAIN, TYP.
-  NEW HVAC FIXTURE BY HVAC CONTRACT, TYP.
-  INSTALL NEW ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED HANGERS
-  NEW LIGHT FIXTURE BY ELECTRICAL CONTRACT, TYP.
-  CLG. HT. X'-X"± CEILING HEIGHT, TYP.



**1 VISITOR RESTROOM CEILING PLAN - NEW**  
SCALE: 1/2" = 1'-0"

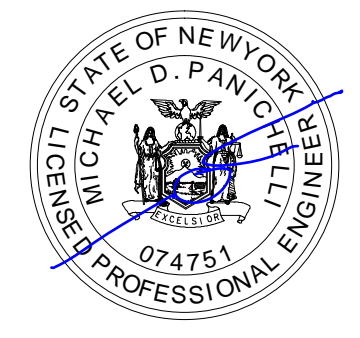


**KEYPLAN**  
SCALE: N.T.S.

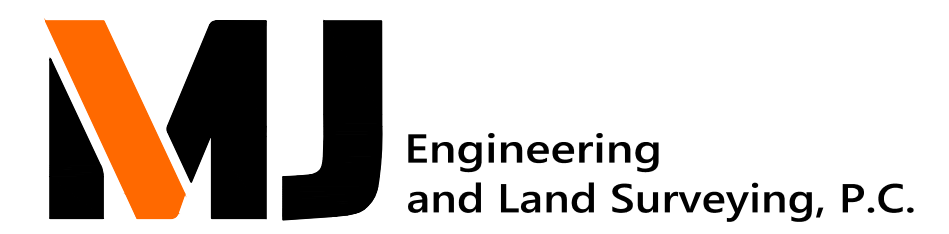


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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC







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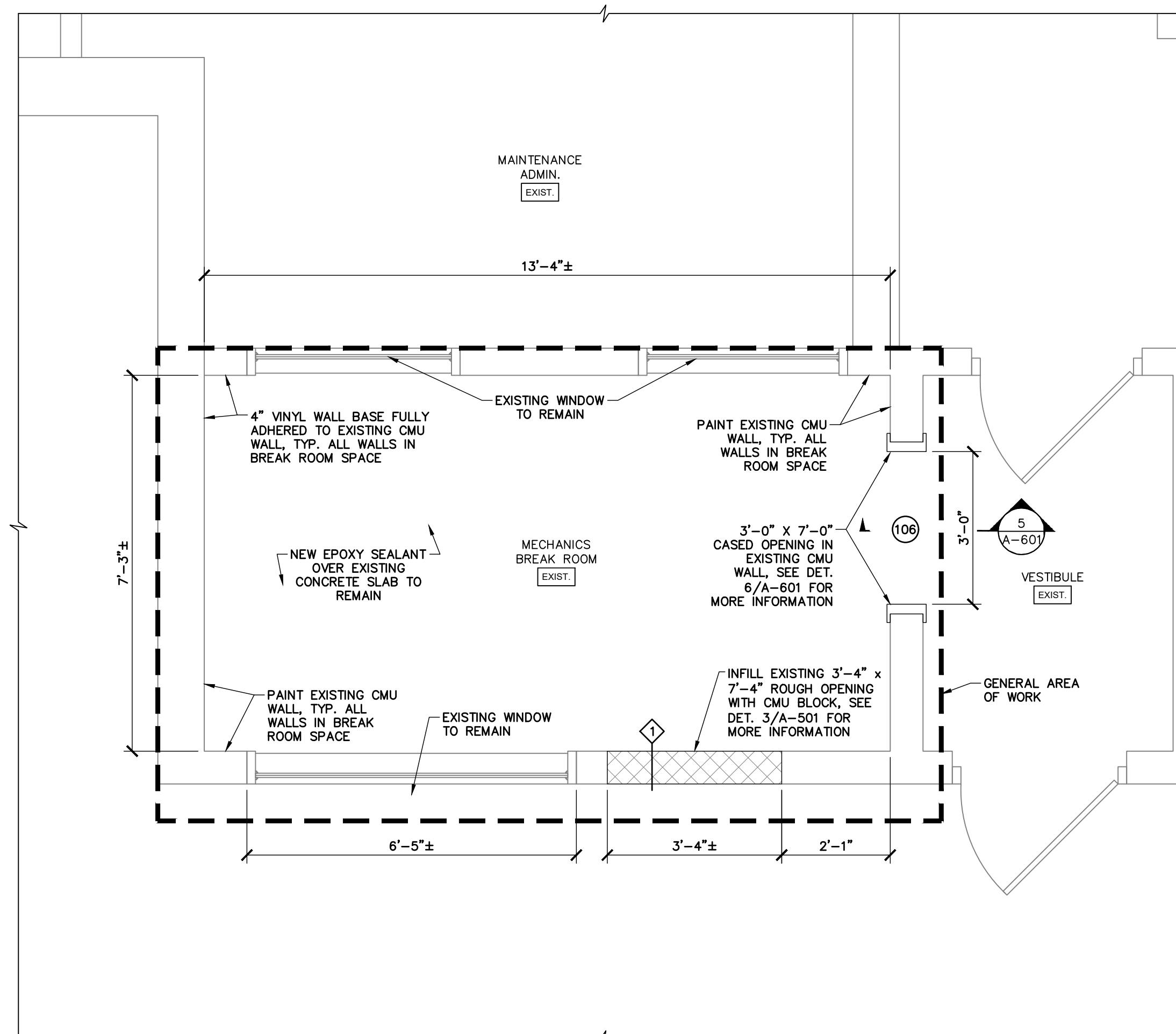


FACILITY RENOVATIONS PHASE II  
**ENLARGED VISITOR RESTROOM REFLECTED CEILING PLAN - NEW**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

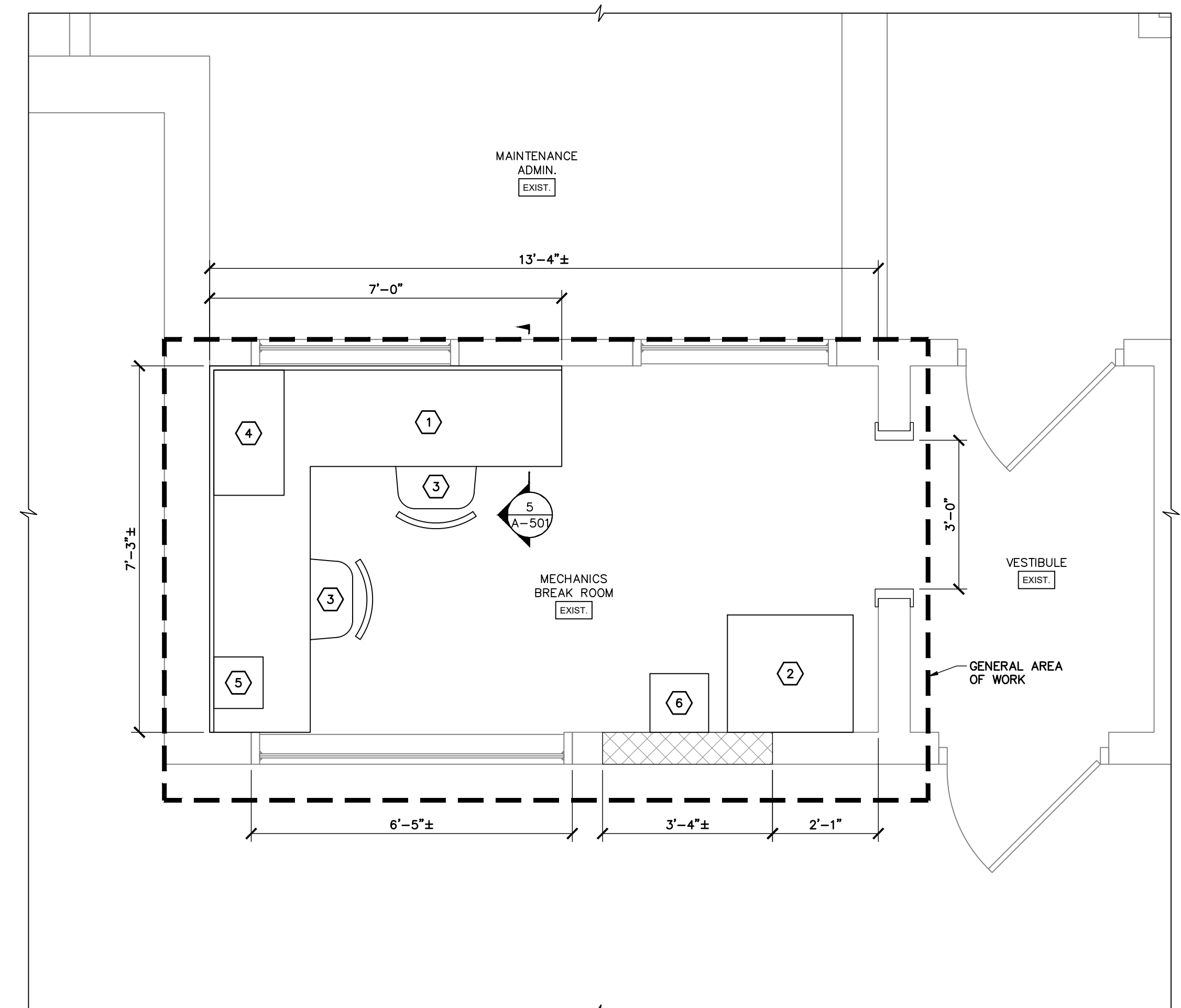
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>A-405</b>

**LEGEND:**

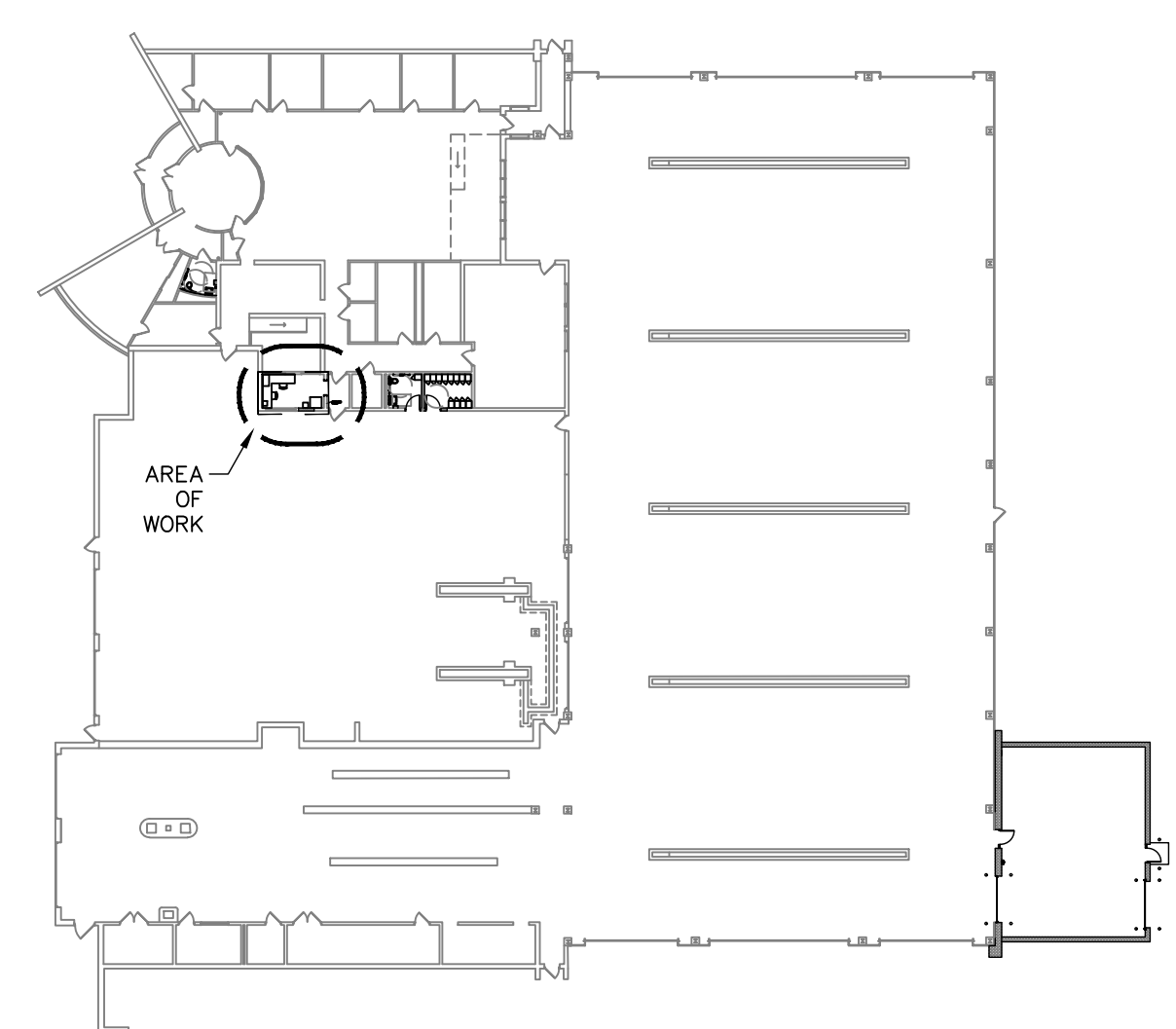
-  EXISTING WALL PARTITION TO REMAIN
-  NEW WALL PARTITION, SEE WALL TYPES ON A-501
-  EXISTING DOOR AND FRAME TO REMAIN
-  EXISTING WINDOW AND FRAME TO REMAIN



**1 MECHANICS BREAK ROOM FLOOR PLAN - NEW**  
SCALE: 1/2" = 1'-0"

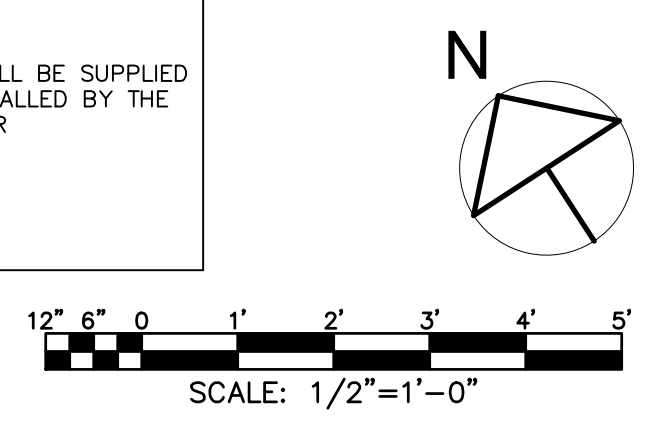


**2 MECHANICS BREAK ROOM FURNITURE PLAN - NEW**  
SCALE: 1/2" = 1'-0"



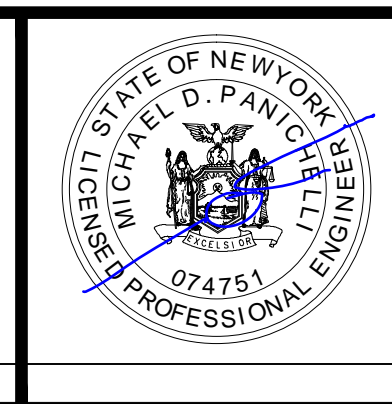
**KEYPLAN**  
SCALE: N.T.S.

BREAK ROOM ACCESSORIES SCHEDULE		
TAG	DEFINITION	REMARKS
1	ADA COMPLIANT LAMINATE COUNTERTOP	SEE DET. 5/A-501 AND FINISH MATERIALS SCHEDULE FOR MORE INFORMATION
2	REFRIGERATOR	FIXTURES 2 THROUGH 6 WILL BE SUPPLIED BY THE OWNER AND INSTALLED BY THE CONTRACTOR
3	FOLDING CHAIR	
4	MICROWAVE	
5	COFFEE MACHINE	
6	WATER COOLER	



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DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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FACILITY RENOVATIONS PHASE II  
**ENLARGED MECHANICS BREAK ROOM FLOOR PLAN - NEW**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

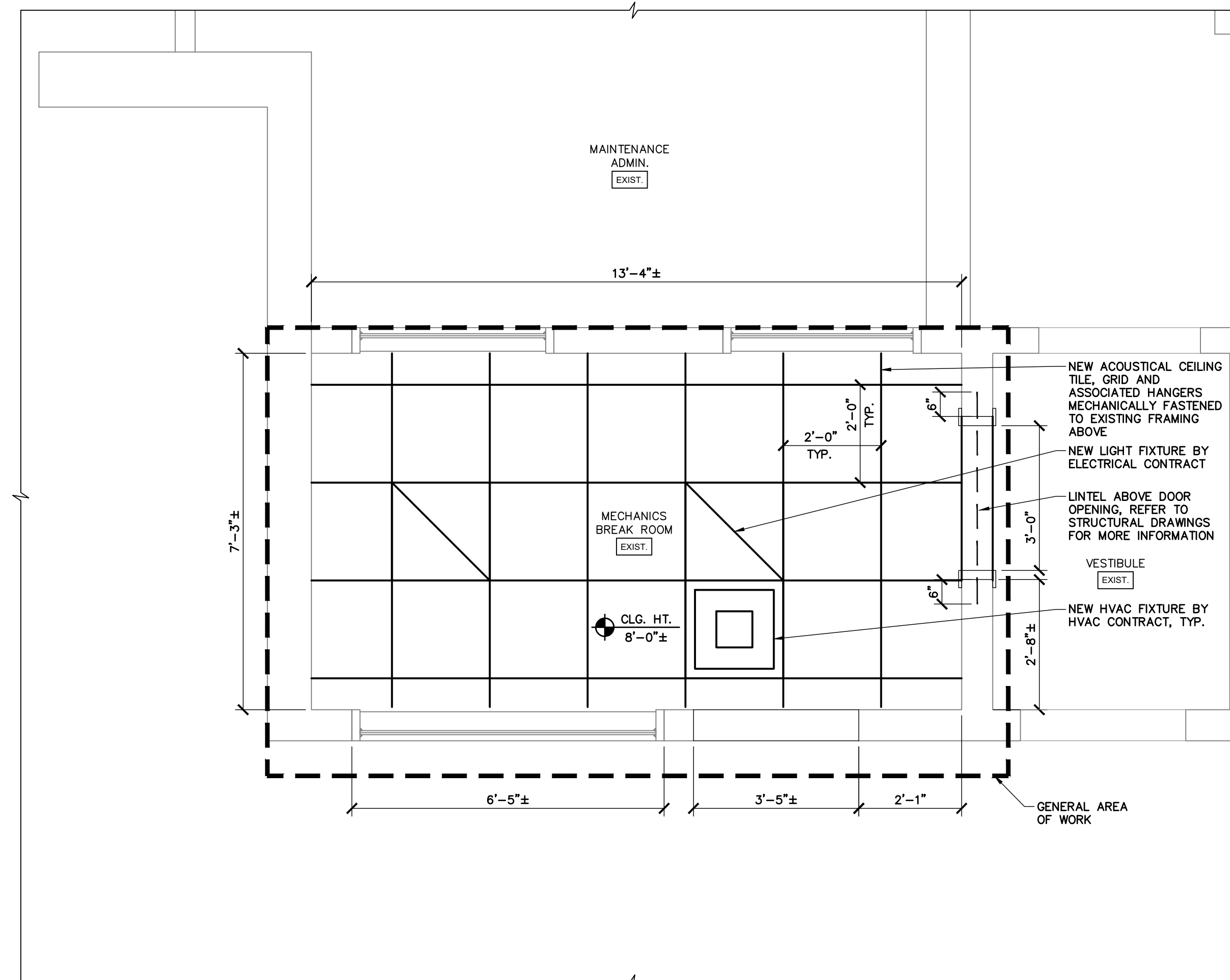
SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
  
**A-406**

**CEILING NOTES:**

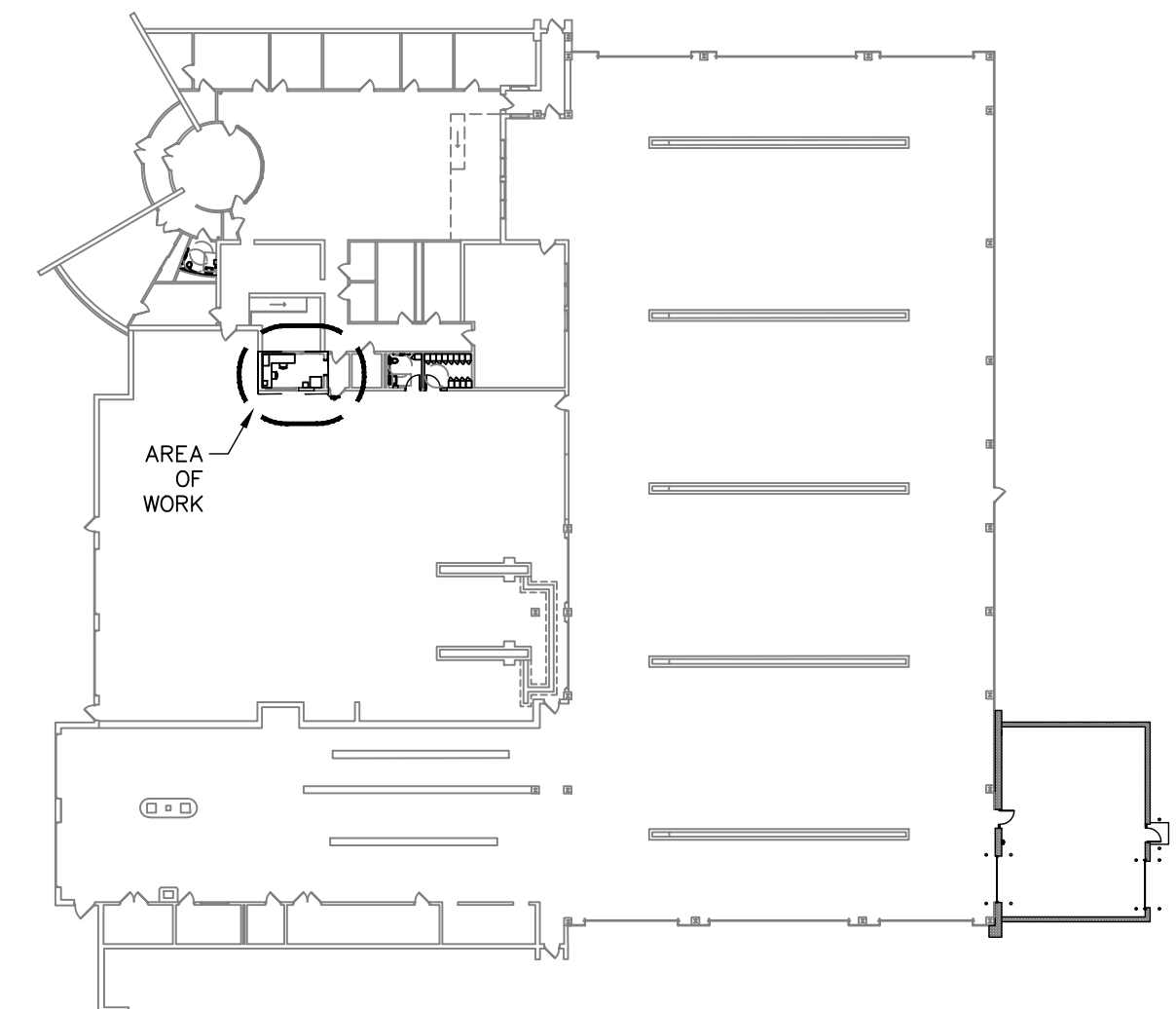
1. VERIFY FINAL LOCATION OF ALL CEILING PENETRATIONS WITH MECHANICAL AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF CEILING SYSTEM.
2. ALL SUSPENDED CEILING GRIDS ARE TO BE CENTERED IN SPACE UNLESS OTHERWISE NOTED.
3. ALL SUSPENDED CEILING GRIDS SHALL MATCH EXISTING CEILING HEIGHT OF CEILING BEING REPLACED FROM FINISHED FLOOR TO BOTTOM OF GRID UNLESS NOTED OTHERWISE.
4. ALL EXISTING CEILING SYSTEMS THAT ARE TO BE MODIFIED SHALL BE PATCHED WITH COMPONENTS THAT MATCH THE EXISTING CEILING SYSTEM. PROPERLY SUPPORT EXISTING CEILING SYSTEMS WHERE SUPPORT IS REMOVED FOR NEW WORK.
5. DIFFUSERS, REGISTERS, GRILLES, SWITCHES AND OTHER CEILING COMPONENTS ARE SHOWN FOR CLARITY. SEE MEP DRAWINGS FOR MORE INFORMATION ON THESE ITEMS.
6. INSTALL NEW CEILING GRID, TILE AND HANGERS ONLY WHEN ALL MECHANICAL WORK IN CEILING IS DONE.
7. COORDINATE RE-INSTALLATION OF ANY SALVAGED CEILING FIXTURE WITH THE ASSOCIATED DISCIPLINES' DRAWINGS.

**LEGEND:**

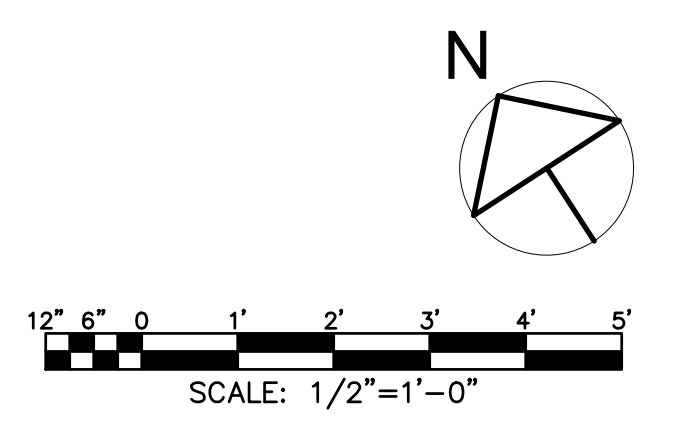
- EXISTING WALL TO REMAIN, TYP.
- NEW HVAC FIXTURE BY HVAC CONTRACT, TYP.
- INSTALL NEW ACOUSTICAL CEILING TILE, GRID AND ASSOCIATED HANGERS
- NEW LIGHT FIXTURE BY ELECTRICAL CONTRACT, TYP.
- CLG. HT. 'X'-X"±  
CEILING HEIGHT, TYP.



**1 MECHANICS BREAK ROOM CEILING PLAN - NEW**  
SCALE: 1/2" = 1'-0"

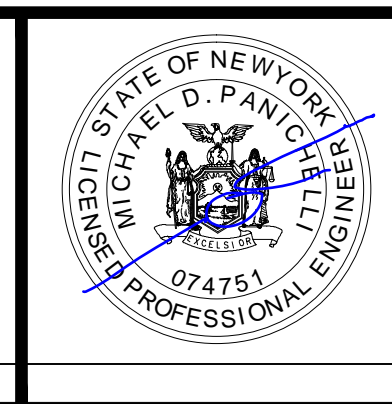


**KEYPLAN**  
SCALE: N.T.S.



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



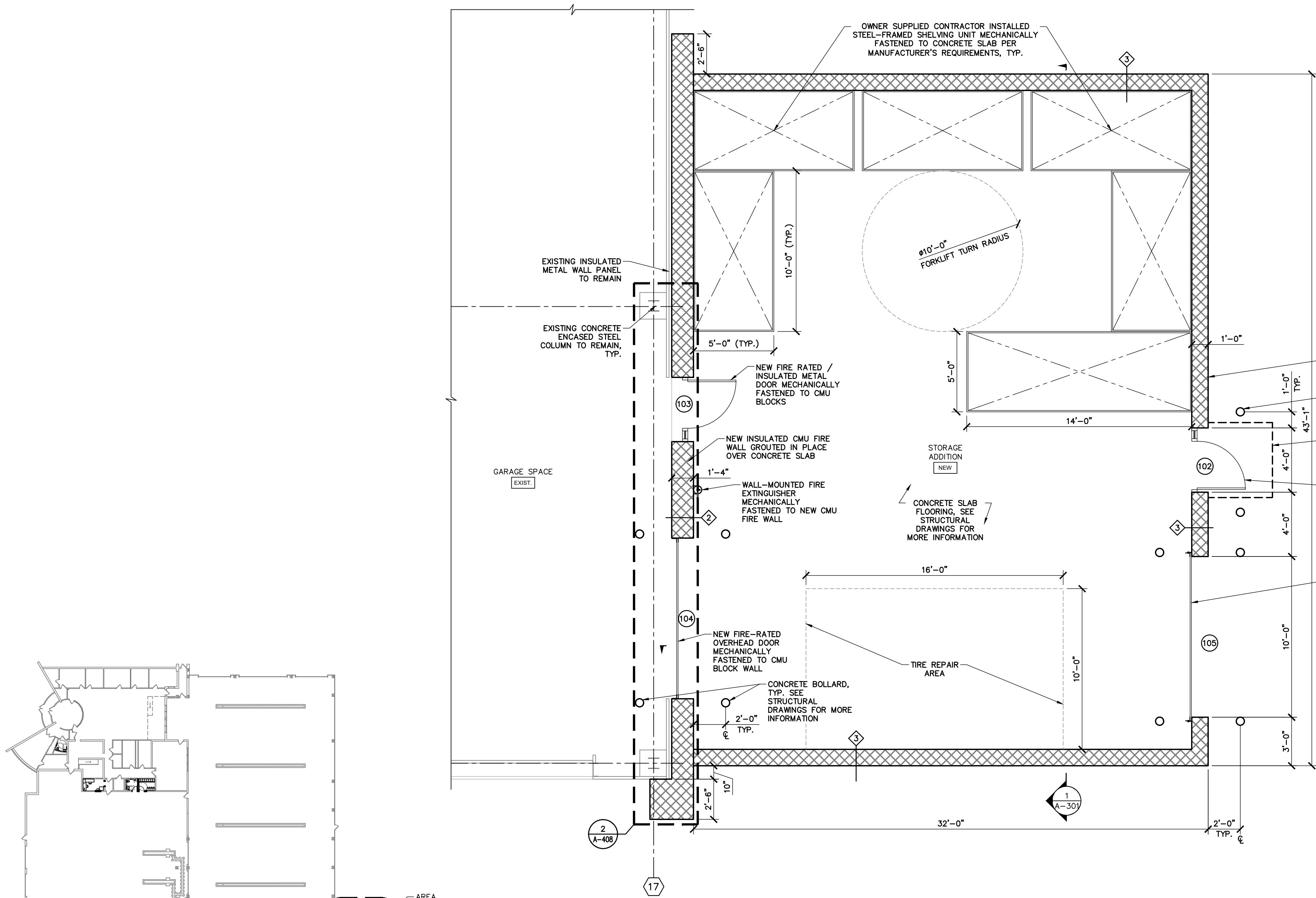
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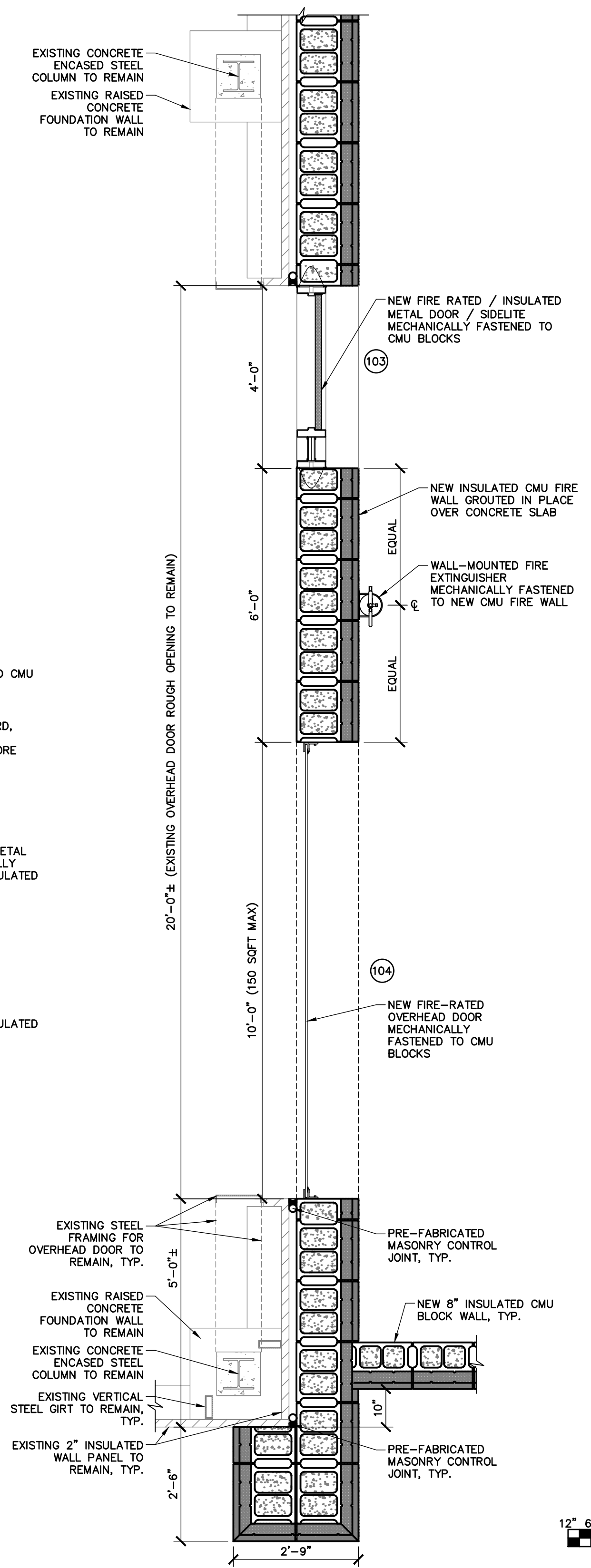
FACILITY RENOVATIONS PHASE II  
**ENLARGED MECHANICS BREAK ROOM REFLECTED CEILING PLAN - NEW**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>A-407</b>

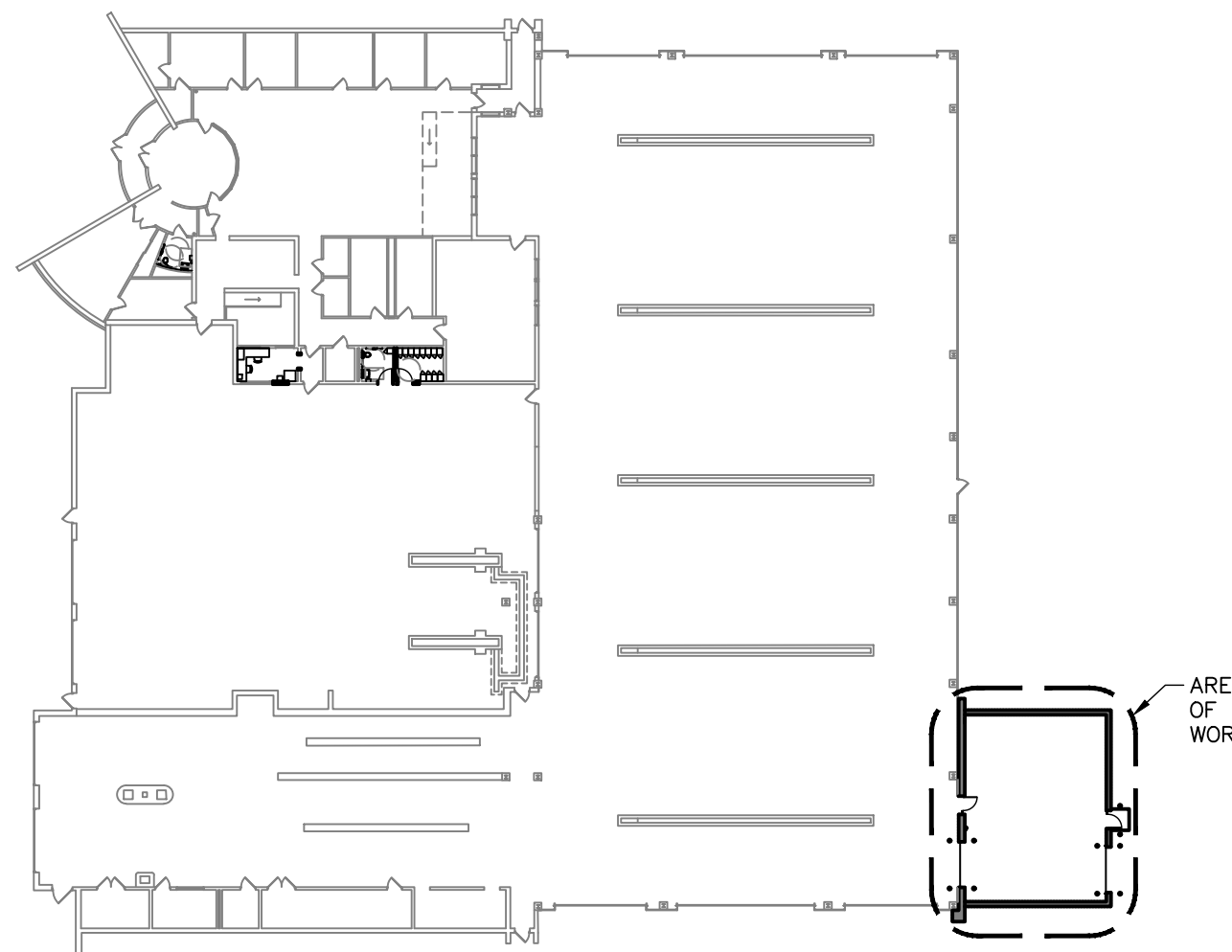
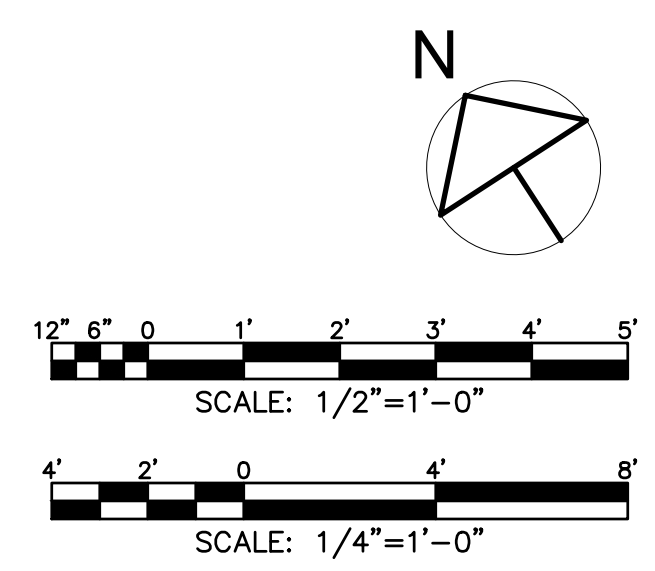




**1 ENLARGED ADDITION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



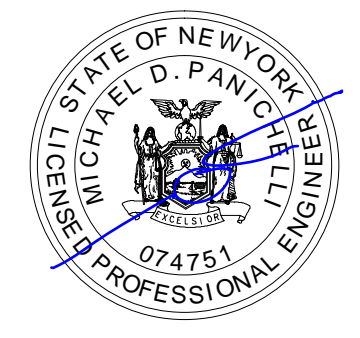
**2 ENLARGED FRAMING PLAN AT DOORS**  
SCALE: 1/2" = 1'-0"



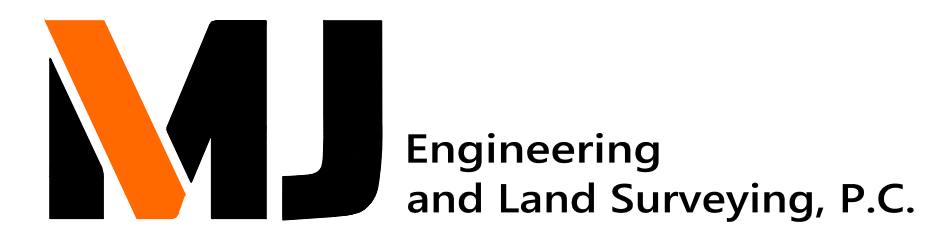
**KEYPLAN**  
SCALE: N.T.S.

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
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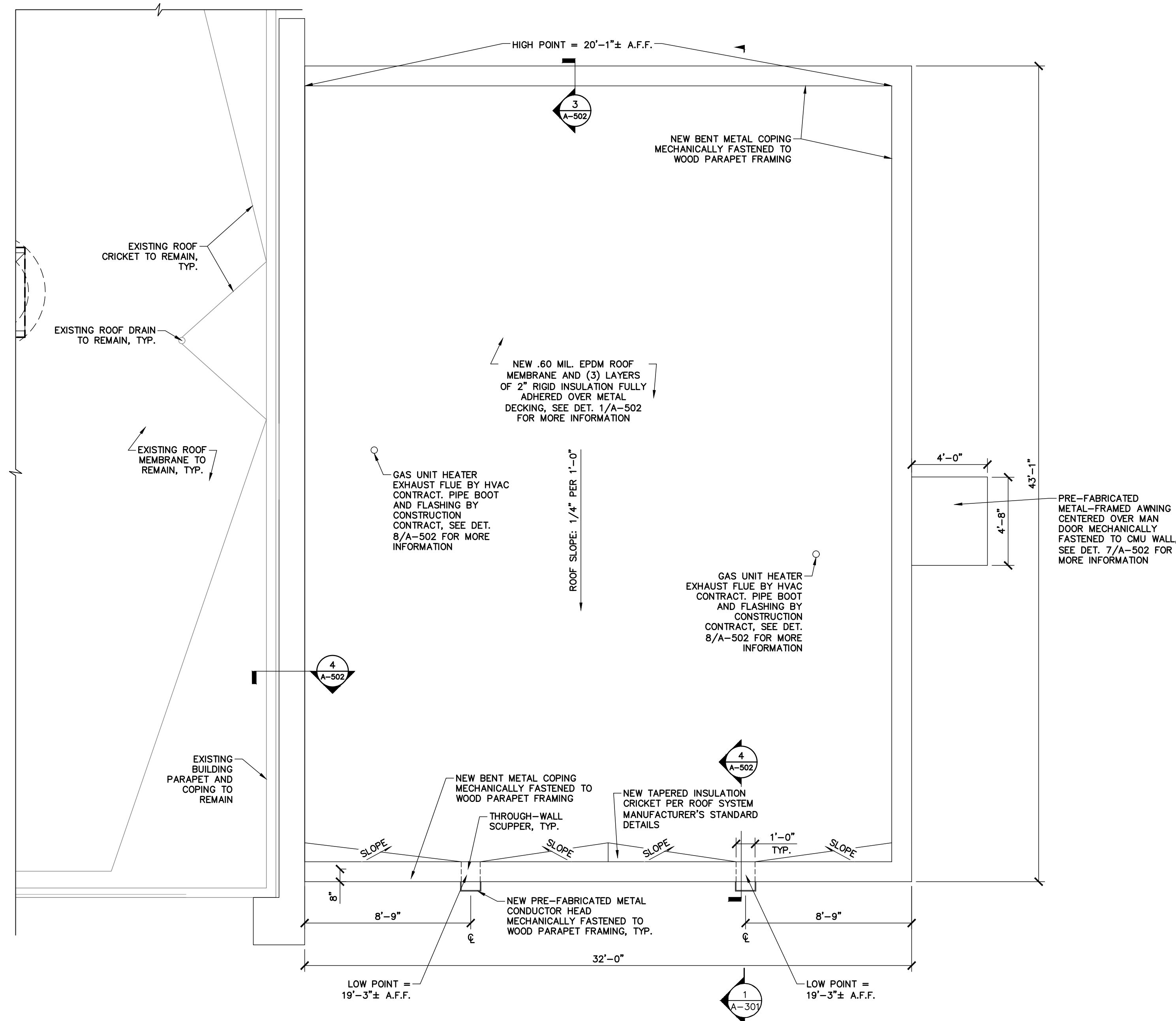
FACILITY RENOVATIONS PHASE II  
**ENLARGED ADDITION BUILDING FLOOR PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

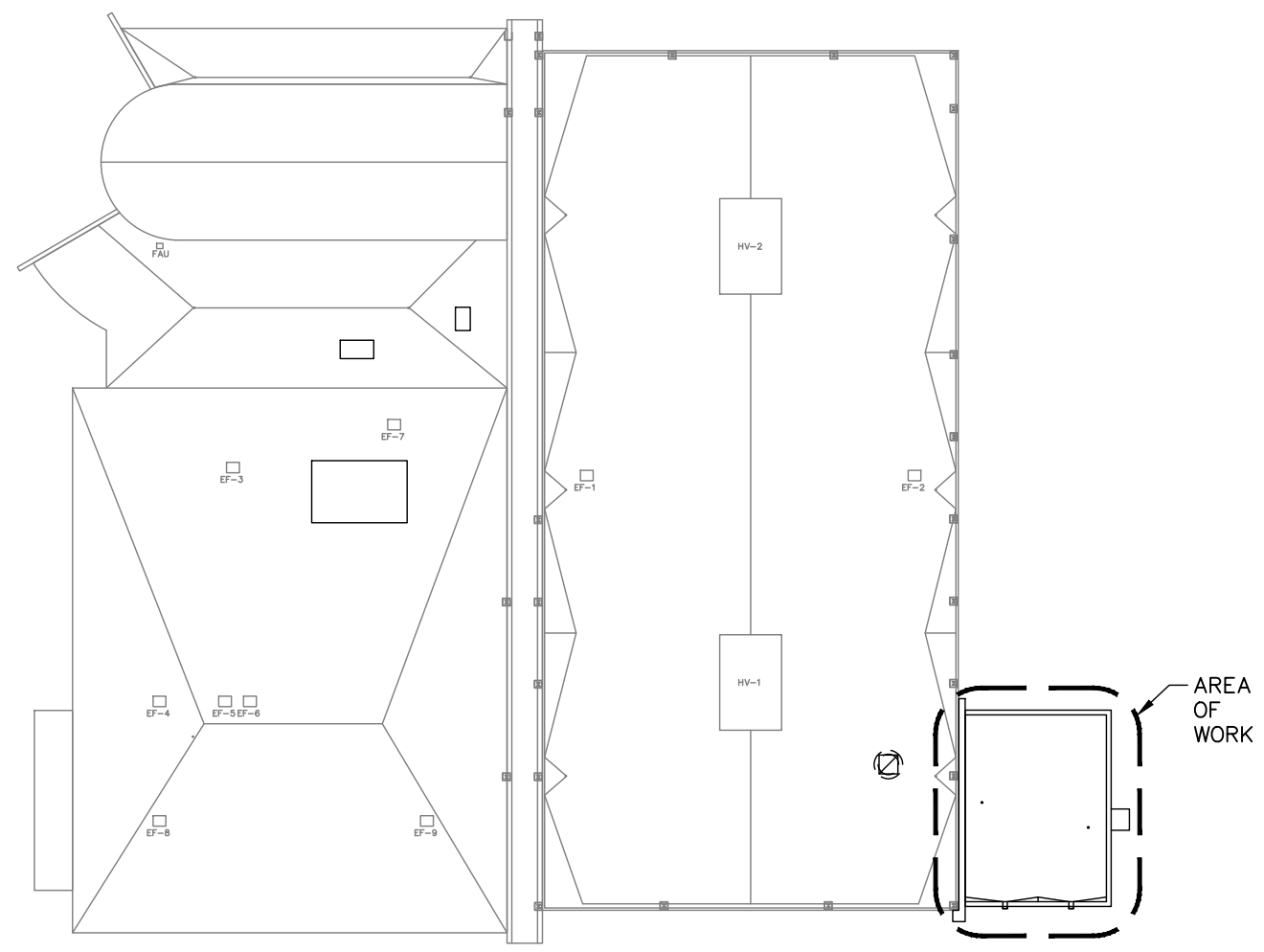
**A-408**

**ROOF NOTES:**

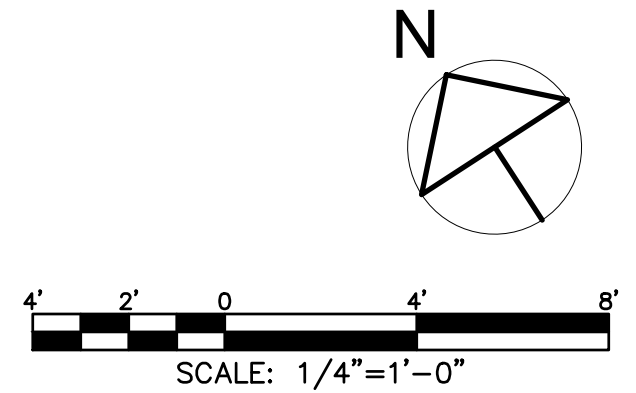
- STOCKPILING NEW CONSTRUCTION MATERIAL ON THE EXISTING AND OR NEW ROOFING IS NOT PERMITTED.
- ALL WOOD BLOCKING SHALL BE PRESSURE TREATED.
- ALL ROOFING MATERIAL SHALL BE FROM ONE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
- THE CONTRACTOR SHALL PROVIDE A MANUFACTURER'S WARRANTY OF 20 YEARS FOR THE ROOFING SYSTEM INSTALLED.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW ROOF SYSTEM WITH THE NEW ROOF SYSTEMS MANUFACTURER REPRESENTATIVE WHO SHALL INSPECT THE INSTALLATION OF THE NEW ROOF SYSTEM PER THE MANUFACTURERS REQUIREMENTS.
- THE NEW ROOF SYSTEM SHALL MAINTAIN A MIN. ROOF PITCH OF 1/4" PER FOOT, PITCHING TO THE ROOF SCUPPERS UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING OSHA REQUIREMENTS FOR FALL PROTECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FINAL ROOF SYSTEM THAT IS WATER TIGHT. ALL WATER PENETRATIONS THROUGH THE NEW ROOF SYSTEM SHALL BE REPAIRED BY THE CONTRACTOR AT NO CHARGE TO THE DIRECTOR'S REPRESENTATIVE.
- ALL NEW ROOF EQUIPMENT AND EQUIPMENT SUPPORTS SHALL NOT IMPEDE THE FLOW OF WATER ON THE ROOF TO THE ROOF SCUPPERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INCLUSION OF ROOF CRICKETS AROUND ALL NEW ROOF ITEMS THAT IMPEDE THE FLOW OF WATER ON THE ROOF TO THE ROOF SCUPPERS.
- BASIS OF DESIGN FOR THE EPDM ROOF SHALL BE CARLISLE SURE-SEAL "SAT" 60 MIL. EPDM ROOF MEMBRANE OR EQUAL.



**1 ENLARGED ADDITION ROOF PLAN**  
SCALE: 1/4" = 1'-0"

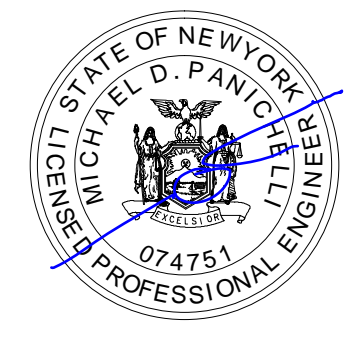


**KEYPLAN**  
SCALE: N.T.S.

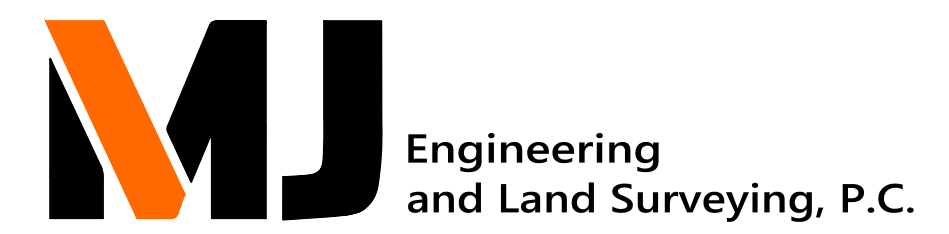


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0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC

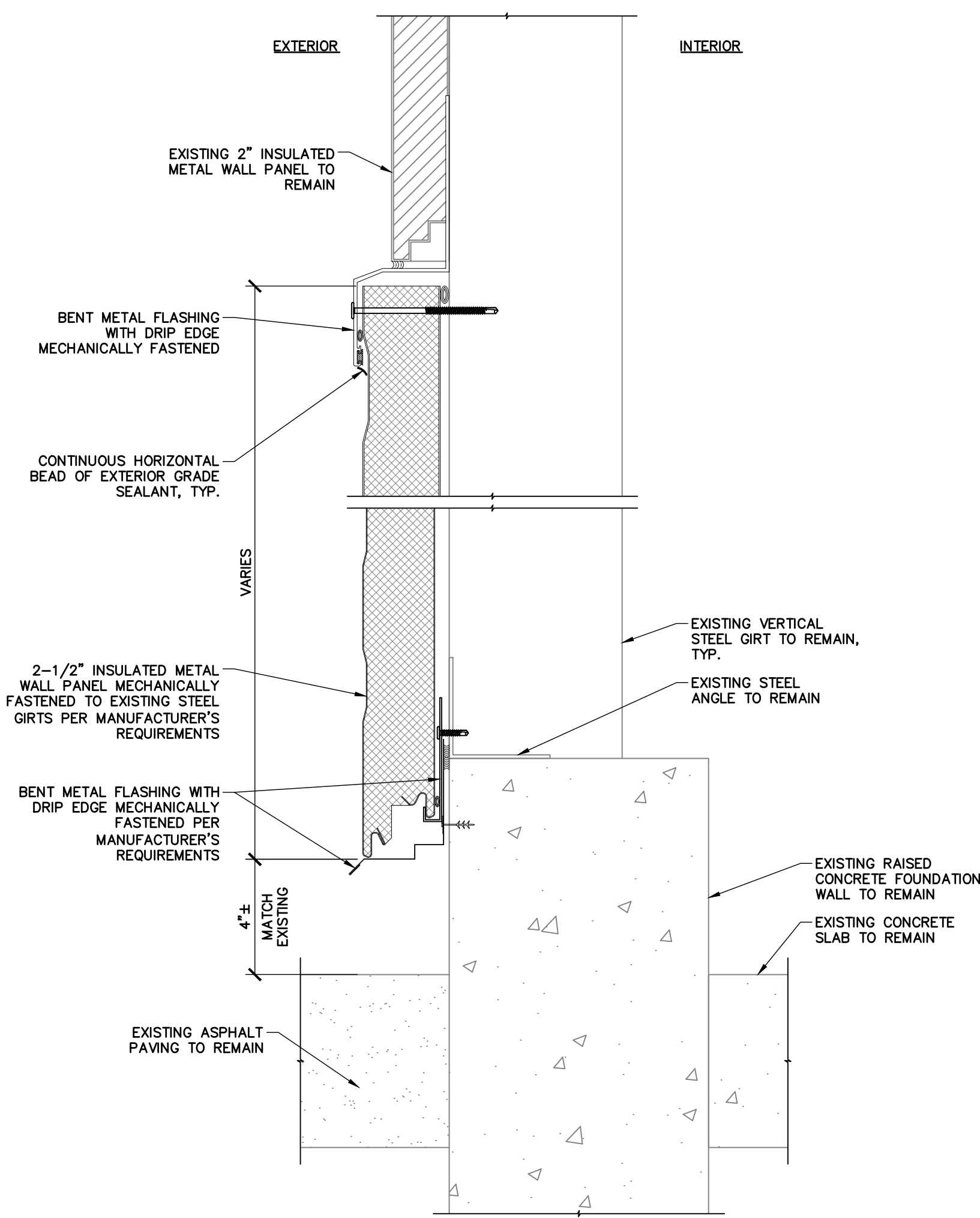
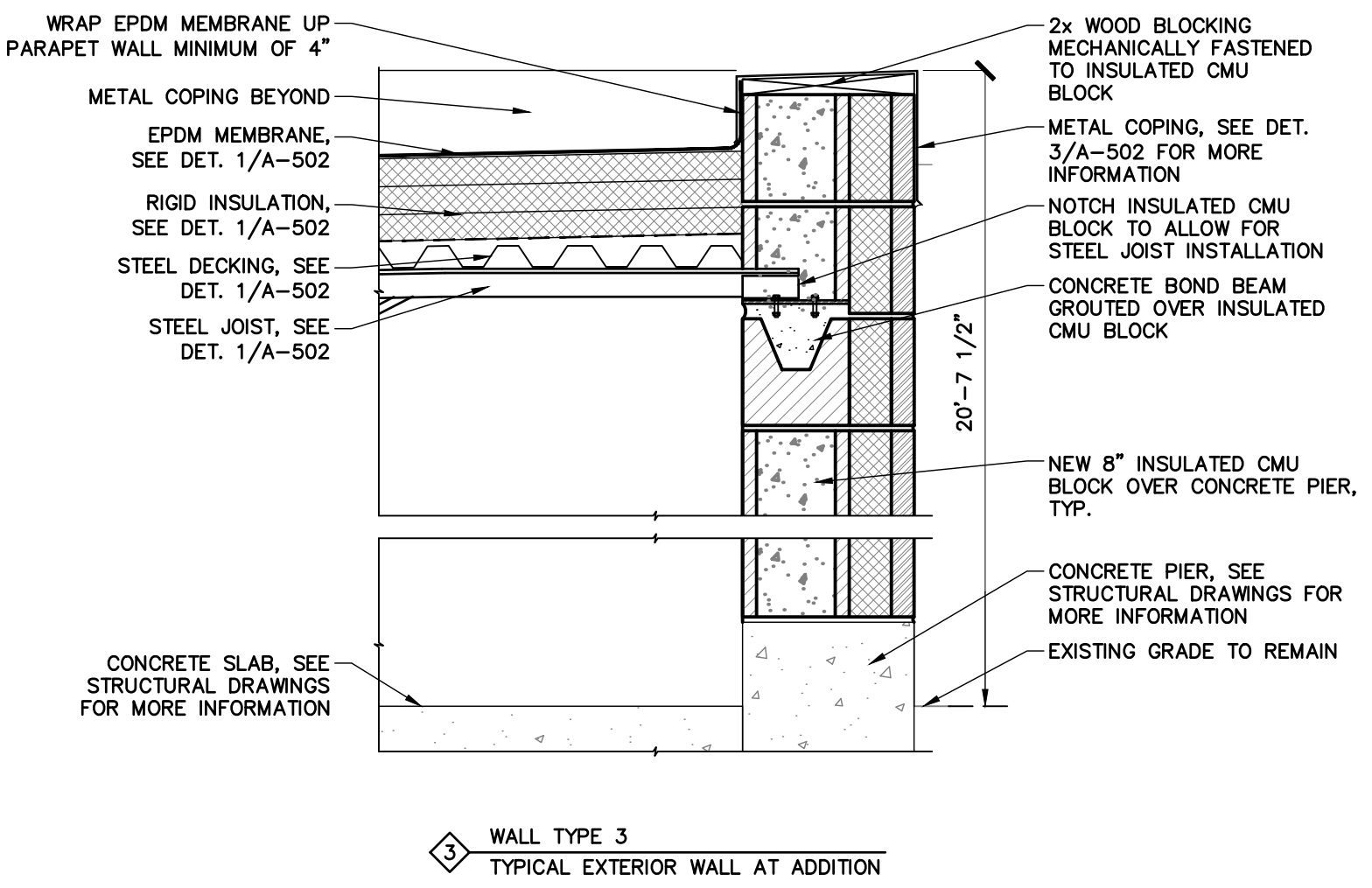
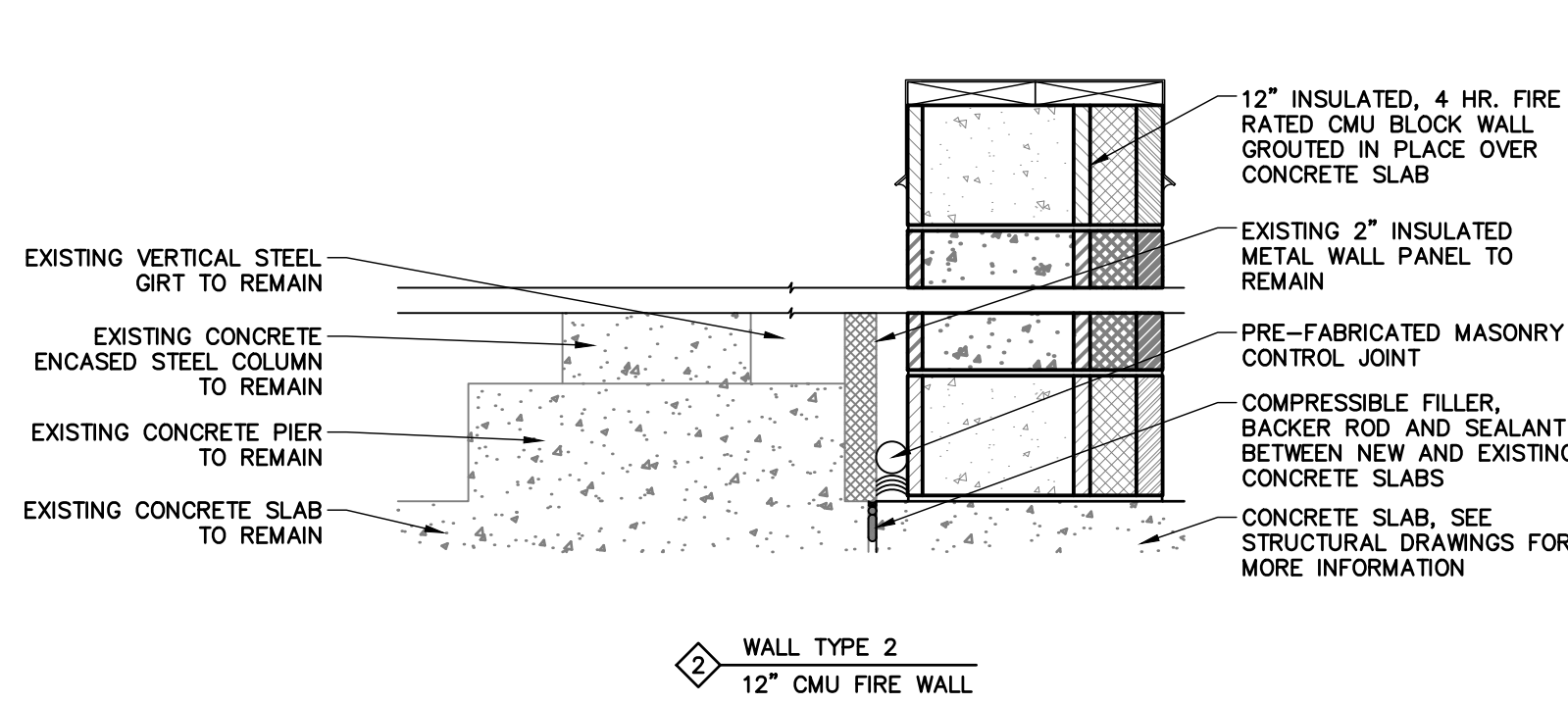
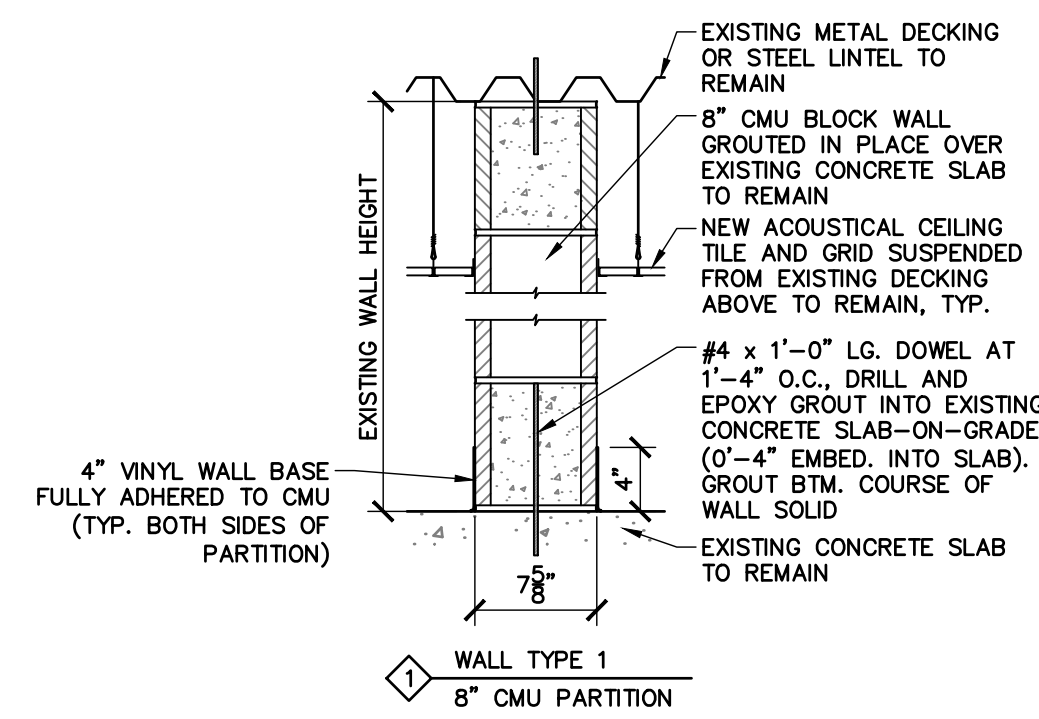


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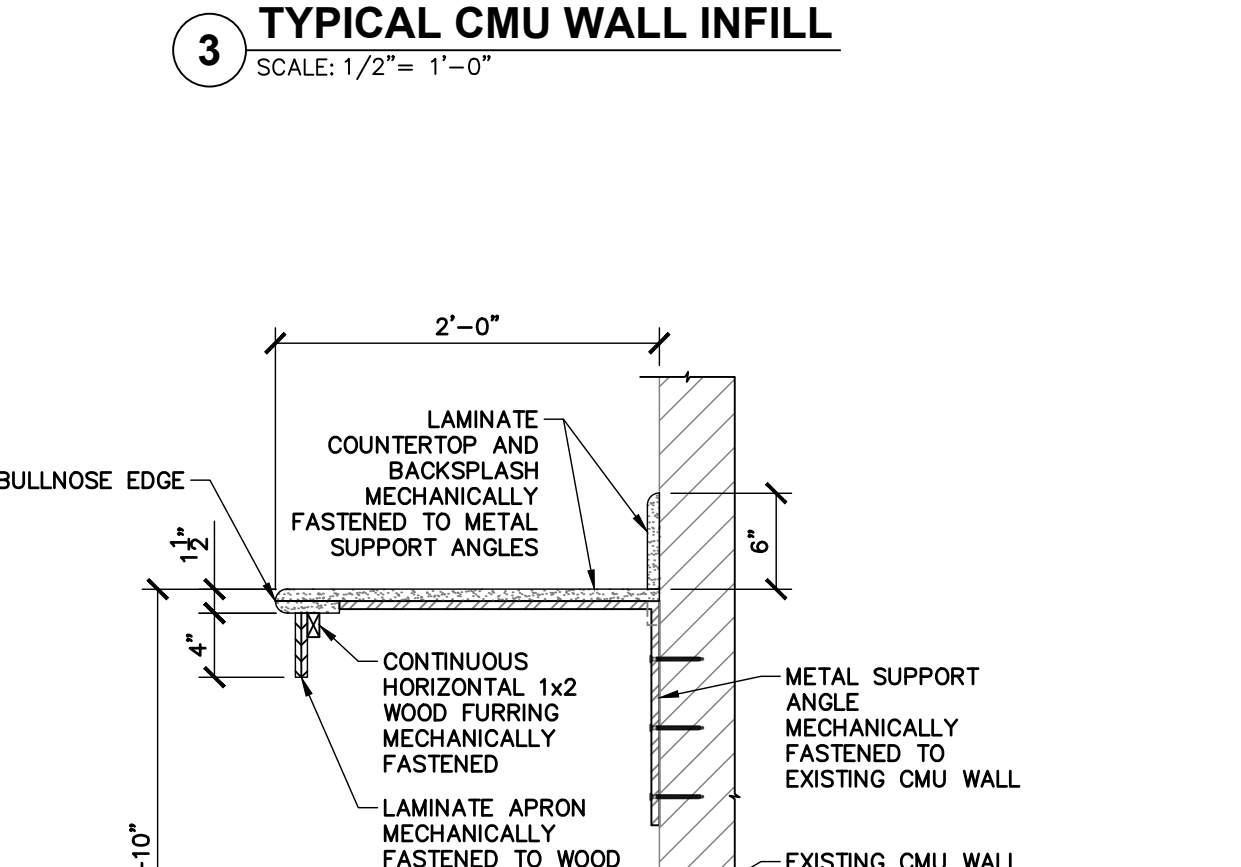
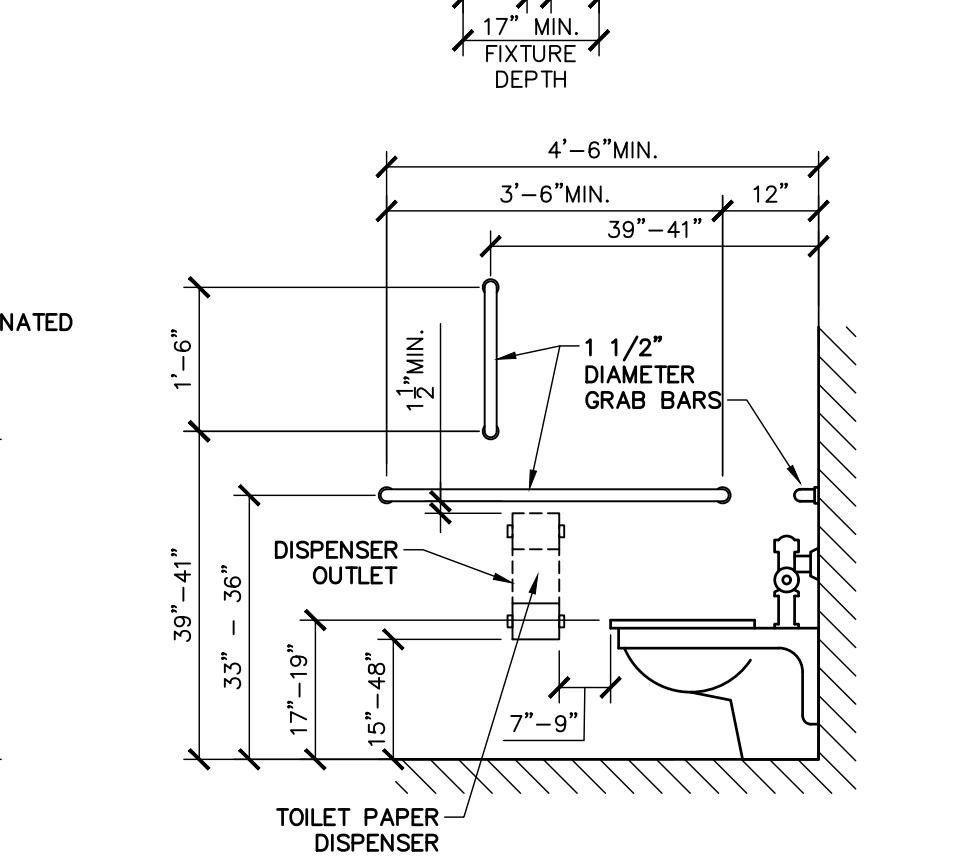
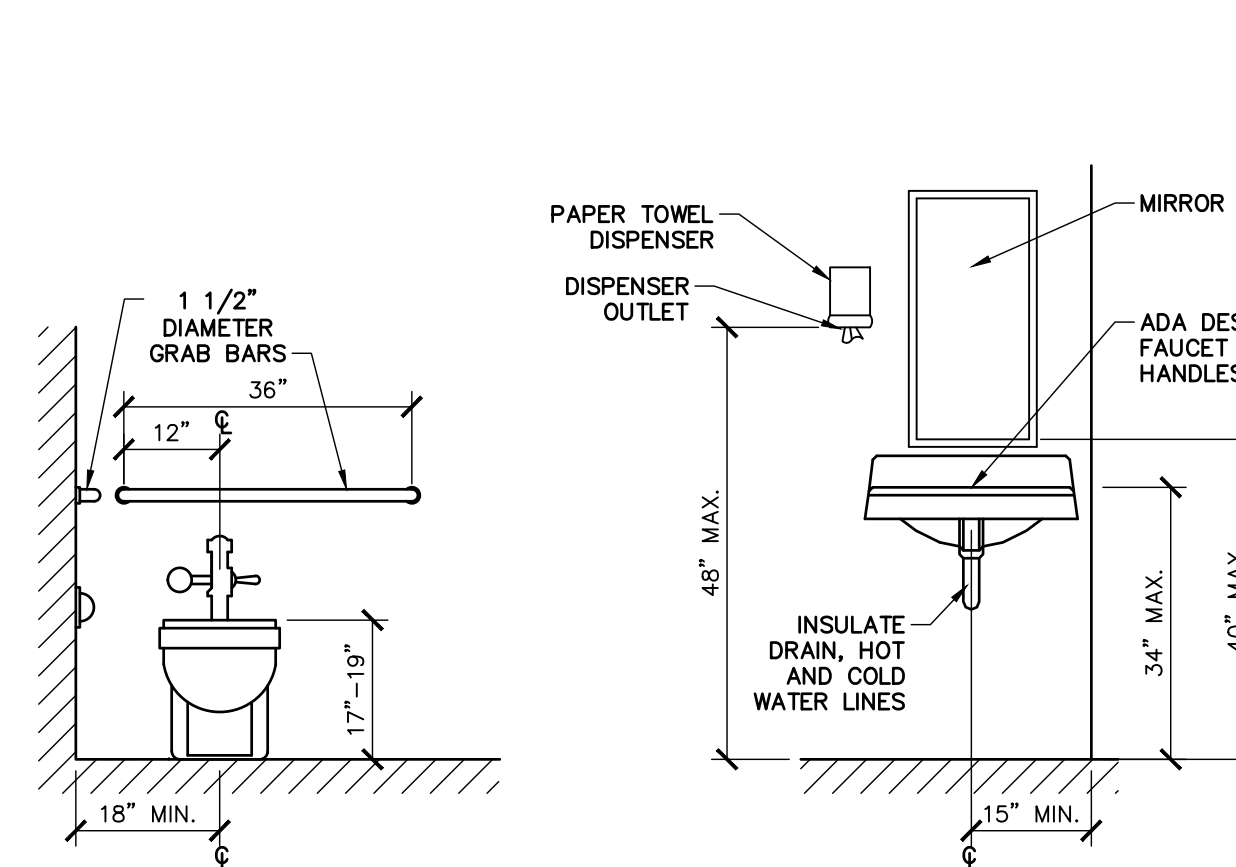
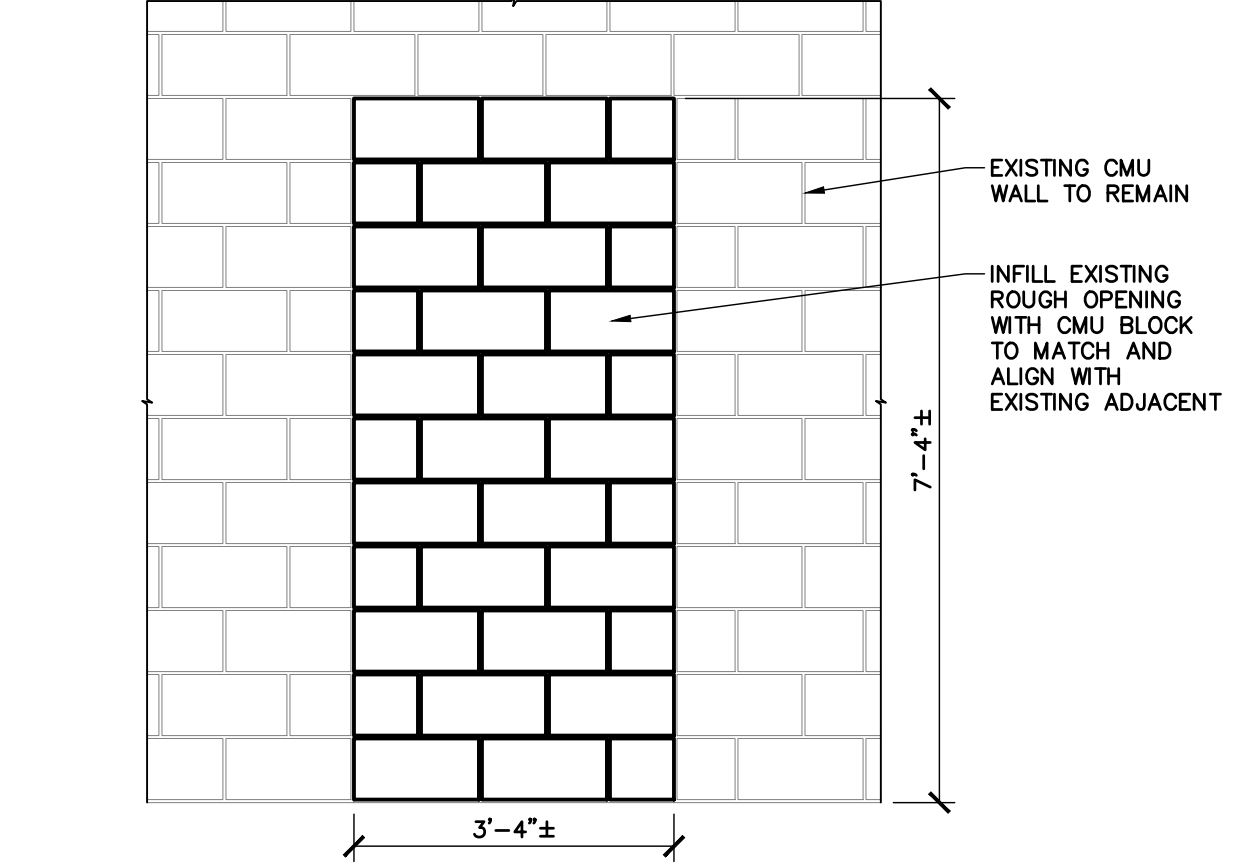
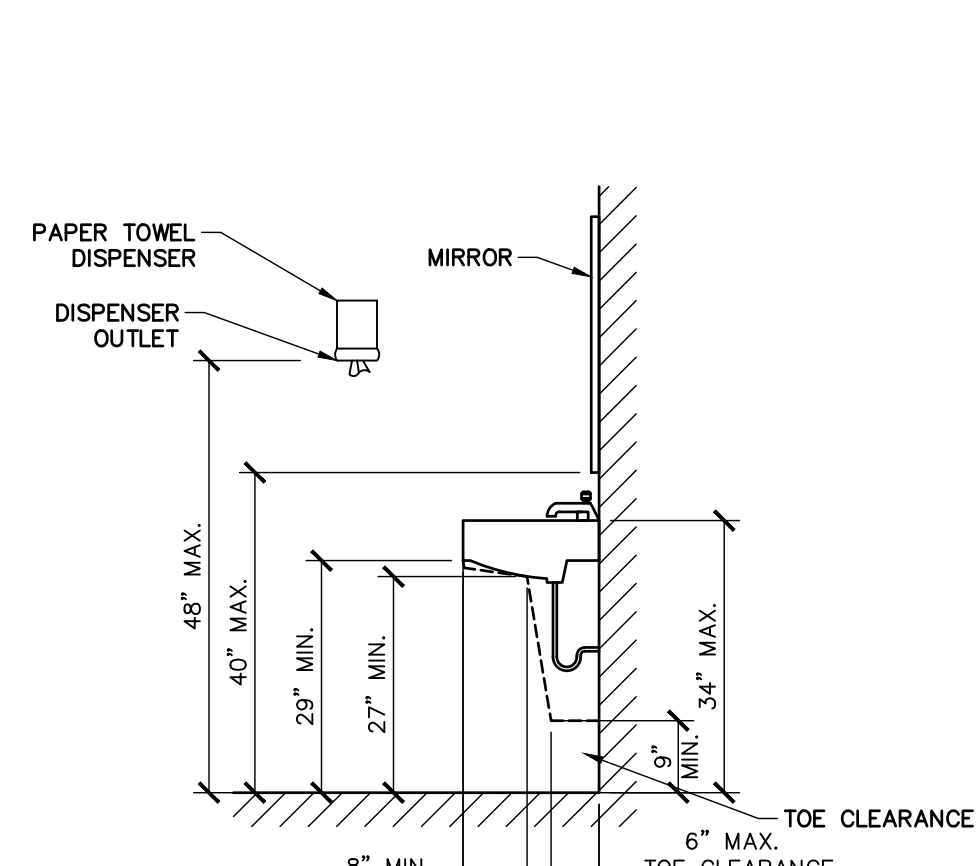
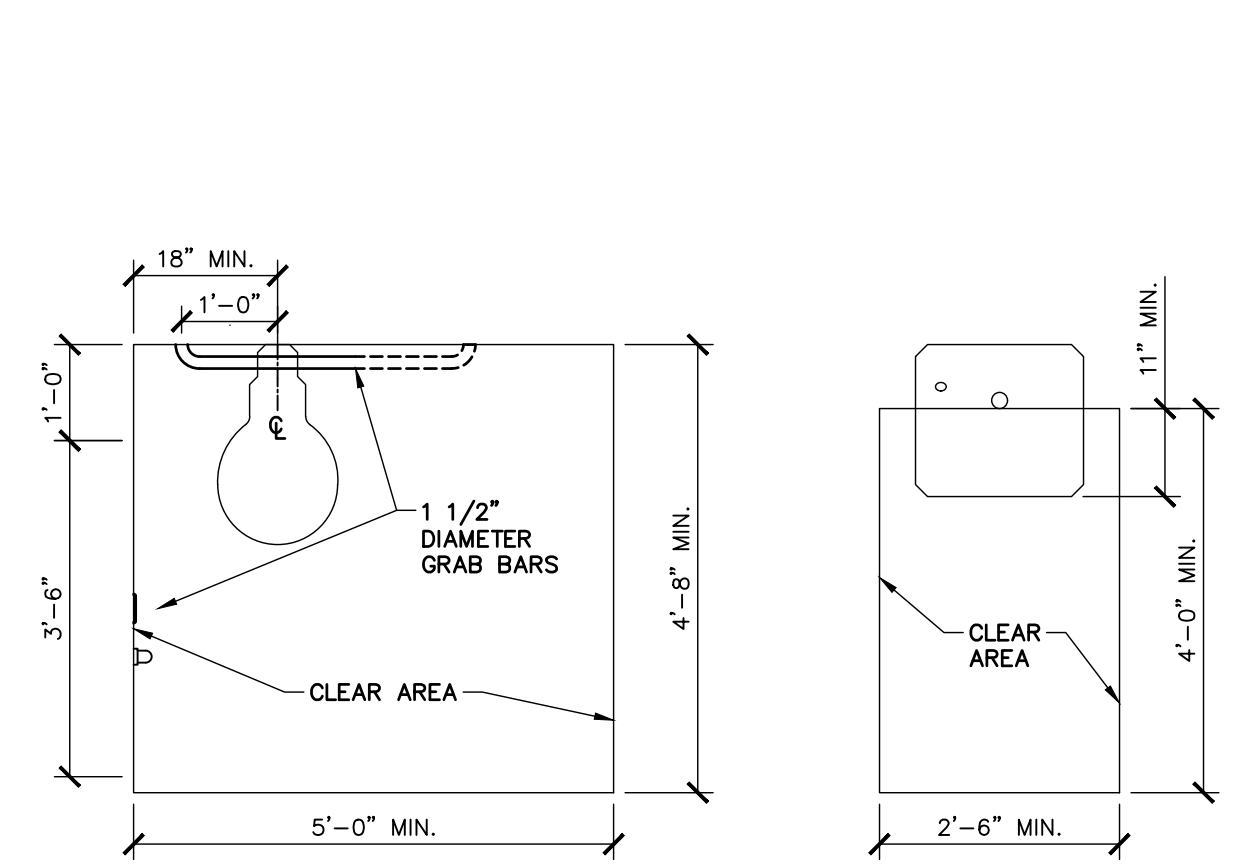


FACILITY RENOVATIONS PHASE II  
**ENLARGED ADDITION BUILDING ROOF PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**A-409**



**1 TYPICAL WALL TYPES**  
SCALE: 1" = 1'-0"

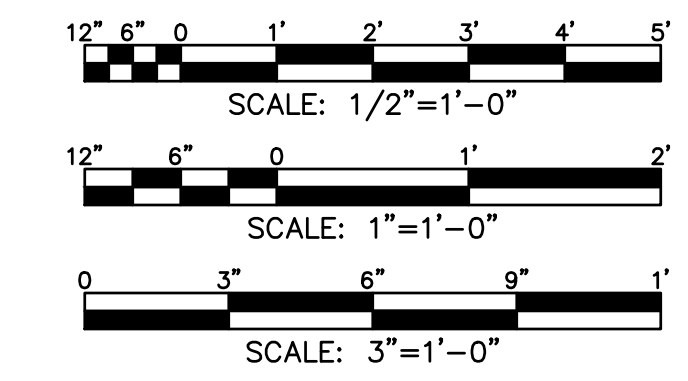


**2 TYPICAL FIXTURE MOUNTING HEIGHTS**  
SCALE: 1/2" = 1'-0"

**3 TYPICAL CMU WALL INFILL**  
SCALE: 1/2" = 1'-0"

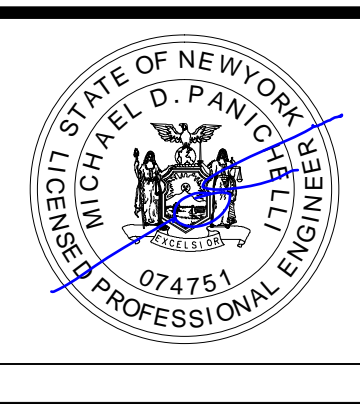
**4 TYPICAL METAL WALL PANEL REPLACEMENT**  
SCALE: 3" = 1'-0"

**5 ADA COMPLIANT COUNTERTOP**  
SCALE: 1" = 1'-0"

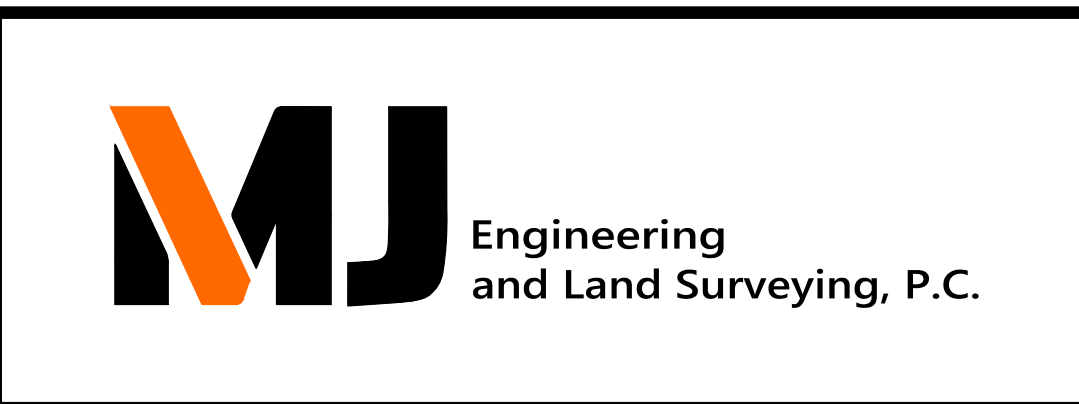


SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC

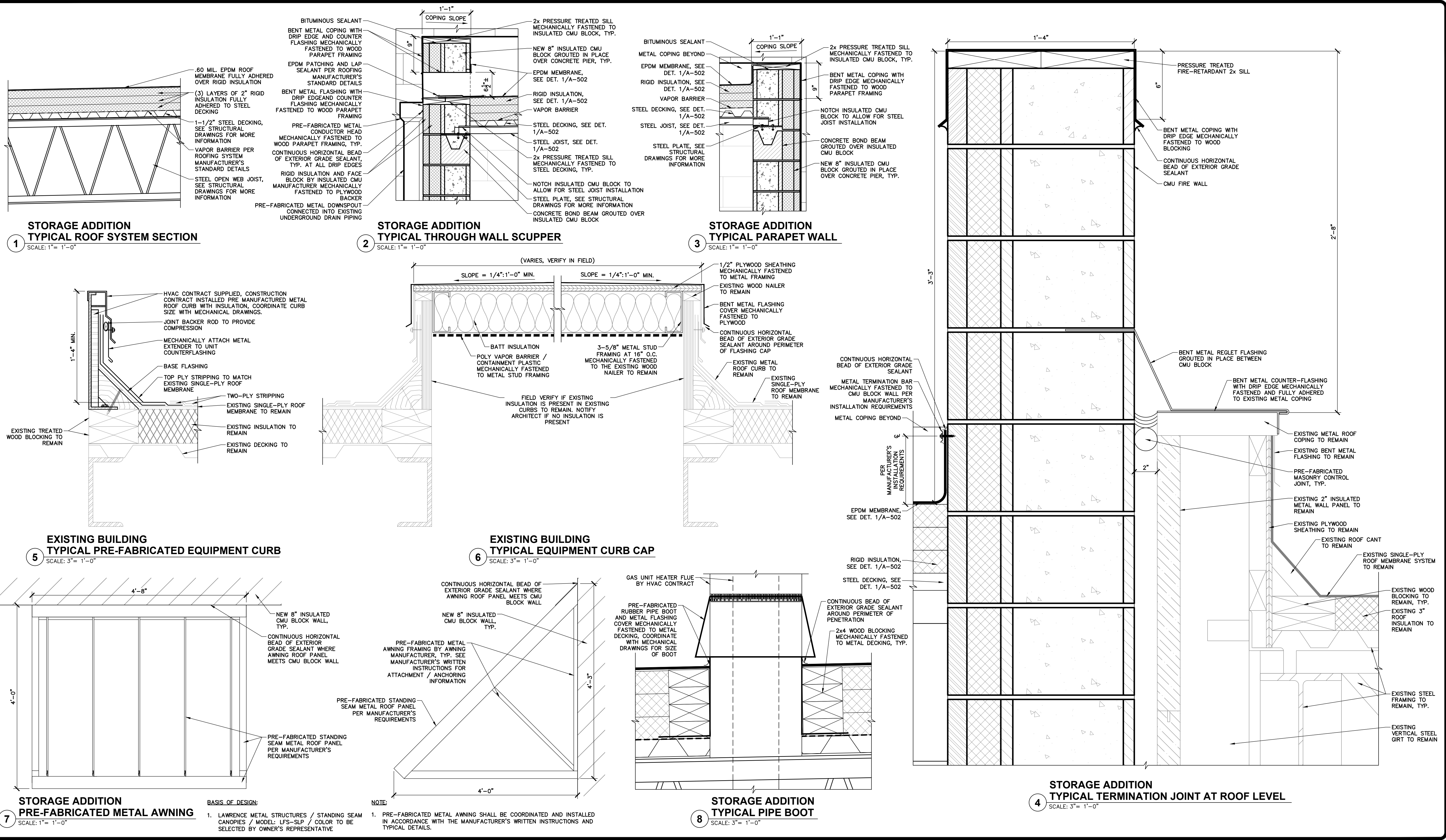


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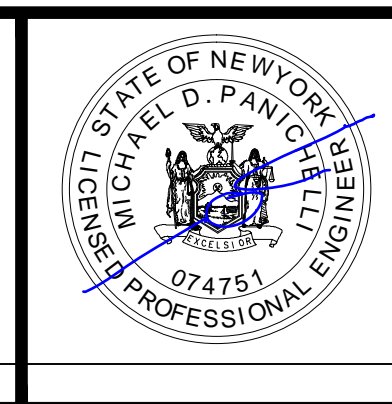
FACILITY RENOVATIONS PHASE II  
**MISCELLANEOUS DETAILS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**A-501**



SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
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**MJ** Engineering and Land Surveying, P.C.

FACILITY RENOVATIONS PHASE II  
**ROOF DETAILS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**A-502**

**DOOR NOTES:**

- ALL DOOR HARDWARE SHALL BE ADA COMPLIANT.
- ALL DOOR FRAMES WILL HAVE A CONTINUOUS BEAD OF SEALANT WHERE THE FRAME MEETS THE SURROUNDING CONSTRUCTION MATERIAL.
- ALL DOOR HARDWARE SHALL BE REVIEWED AND COORDINATED WITH THE OWNER PRIOR TO ORDERING.
- ALL EXTERIOR DOORS SHALL HAVE CONTINUOUS WEATHER STRIPPING.
- ALL DOOR LOCK AND LATCH SETS SHALL BE KEYPED TO MATCH FACILITY MASTER KEYING SYSTEM.
- MEANS OF EGRESS SHALL BE MAINTAINED AND UNOBSTRUCTED AT ALL TIMES.
- ALL FIRE RATED DOORS WILL BE IN ACCORDANCE WITH NFPA 257.
- ALL DOOR CLOSERS SHALL BE THE FACILITY STANDARD. SEE HARDWARE SPEC.

**DOOR HARDWARE NOTES:**

(SEE HARDWARE SPEC FOR MORE INFORMATION)

**HARDWARE SET #1**

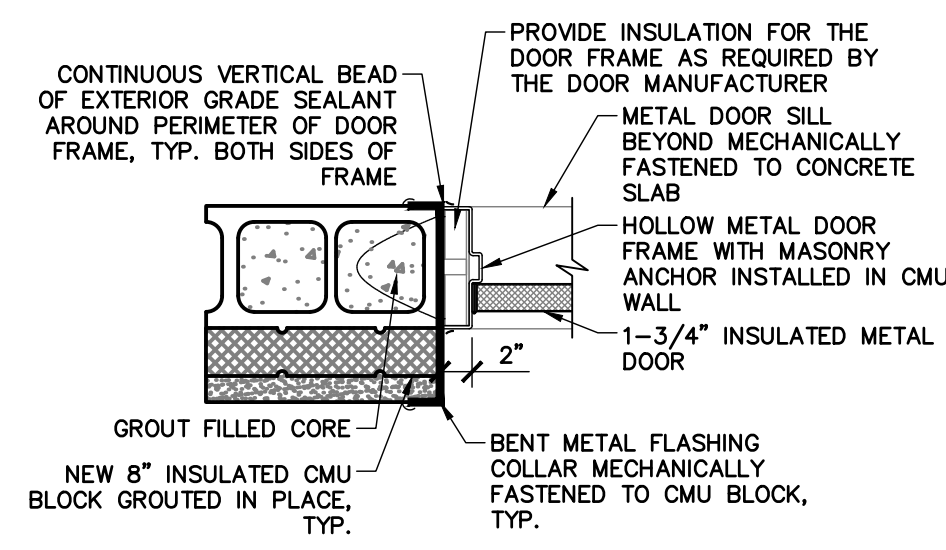
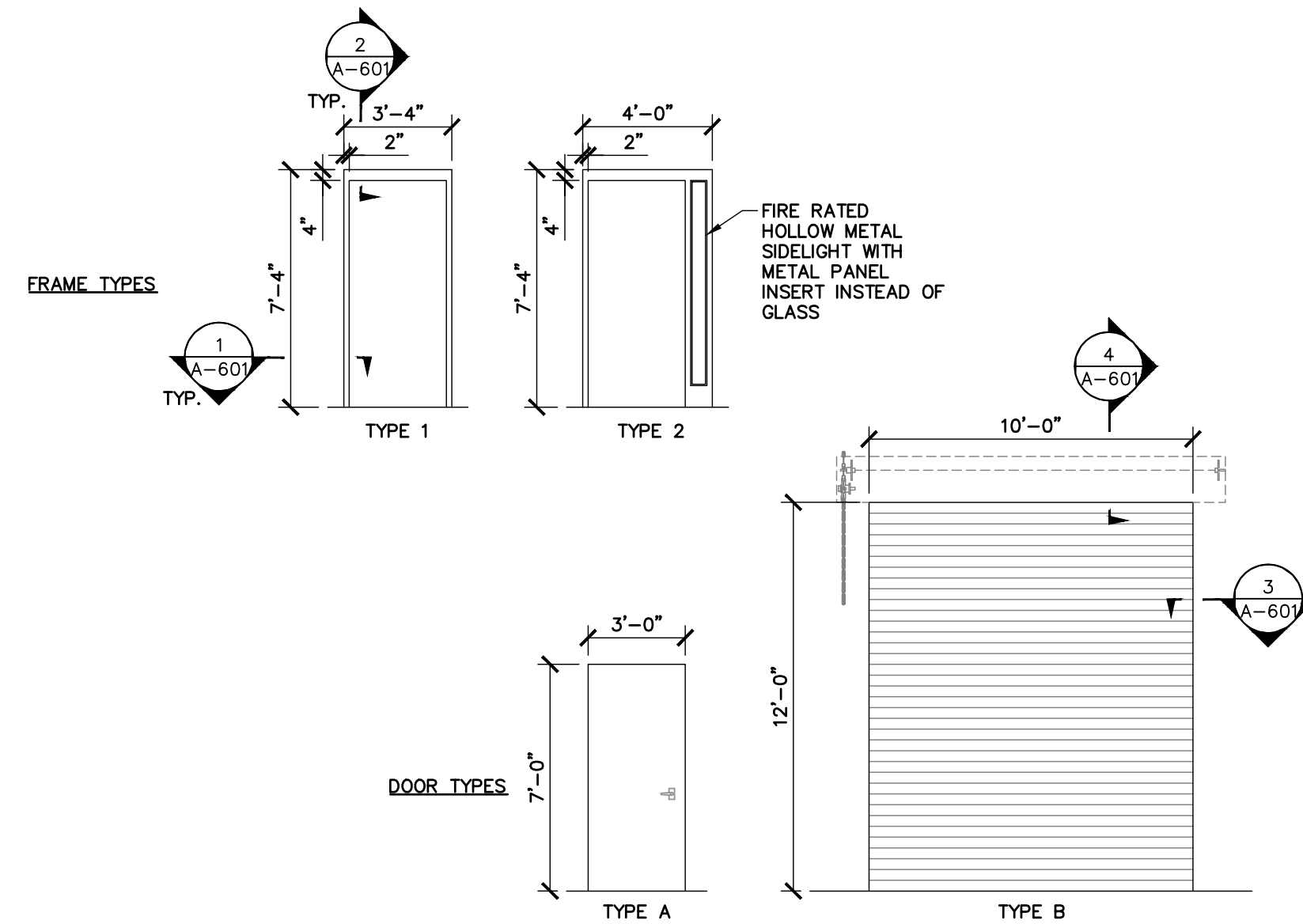
3 HINGES	3CB1 4 1/2 x 4 1/2 NRP SEC	630
1 LEVER LATCH SET	STORAGE FUNCTION	630
1 CLOSER	8916 AF89P FMC SN1 TX89	68
3 SILENCERS PER DOOR		
* 1 PANIC BAR AS INDICATED		

**HARDWARE SET #2**

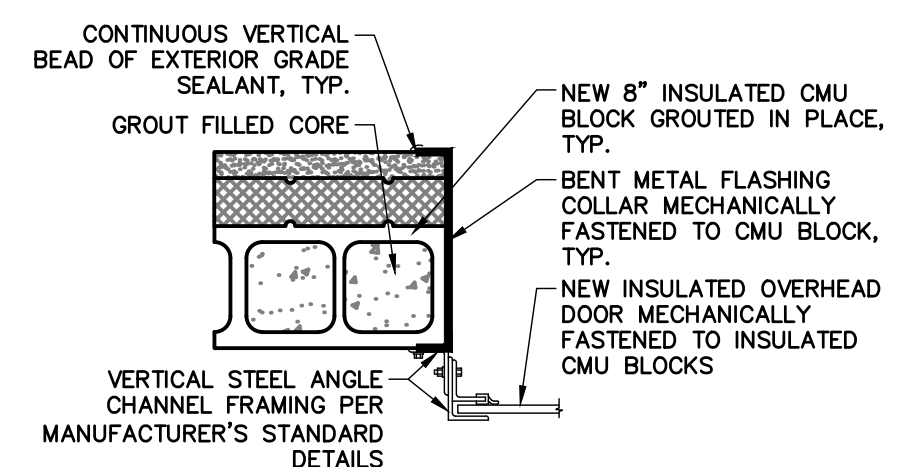
3 HINGES	3CB1 4 1/2 x 4 1/2 NRP SEC	630
1 LEVER LATCH SET	PRIVACY FUNCTION	630
1 CLOSER	8916 AF89P FMC SN1 TX89	68
3 SILENCERS PER DOOR		

**HARDWARE SET #3**

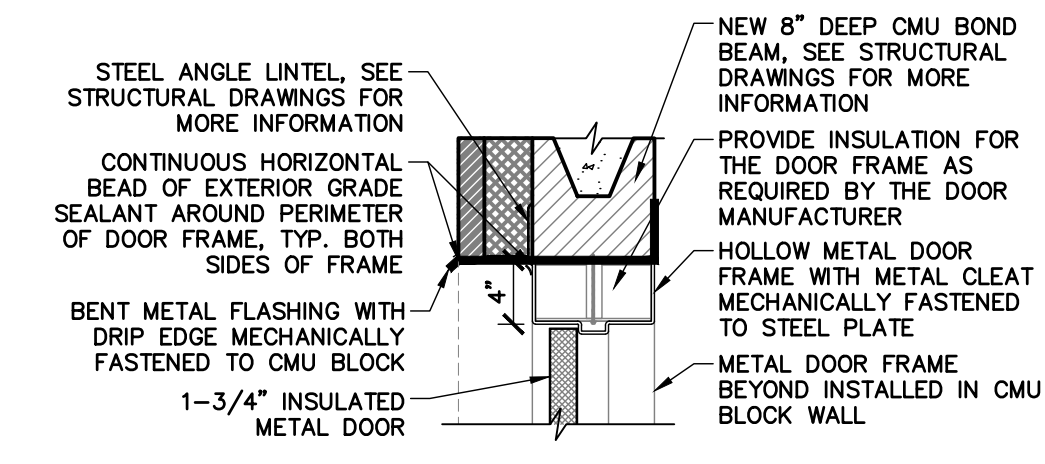
3 HINGES	3CB1 4 1/2 x 4 1/2 NRP SEC	630
1 LEVER LATCH SET	PASSAGE FUNCTION	630
1 CLOSER	8916 AF89P FMC SN1 TX89	68
3 SILENCERS PER DOOR		



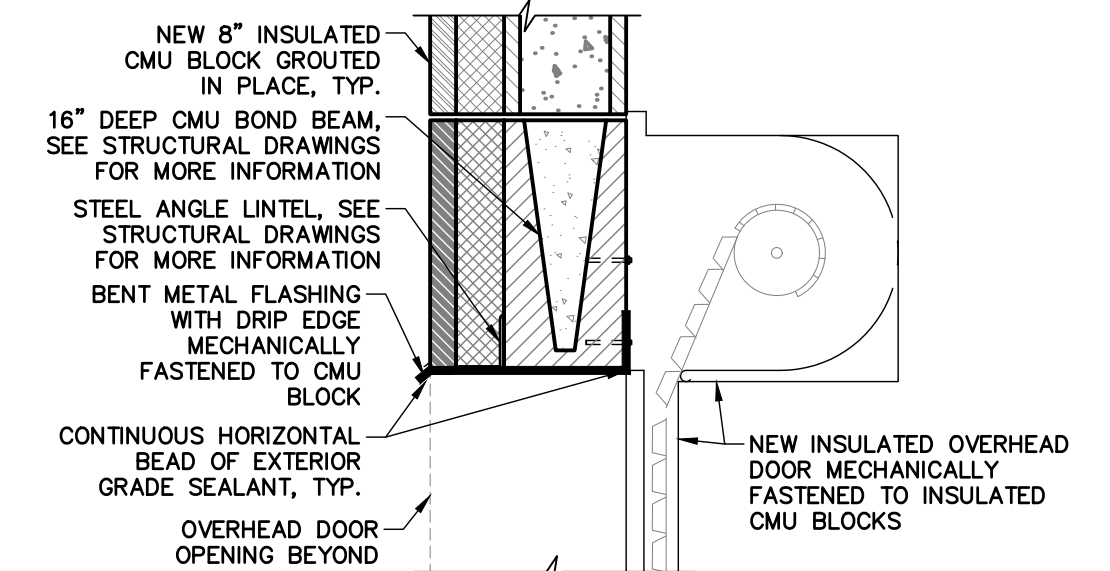
**MAN DOOR TYPICAL DOOR JAMB DETAIL**  
1 SCALE: 1"= 1'-0"



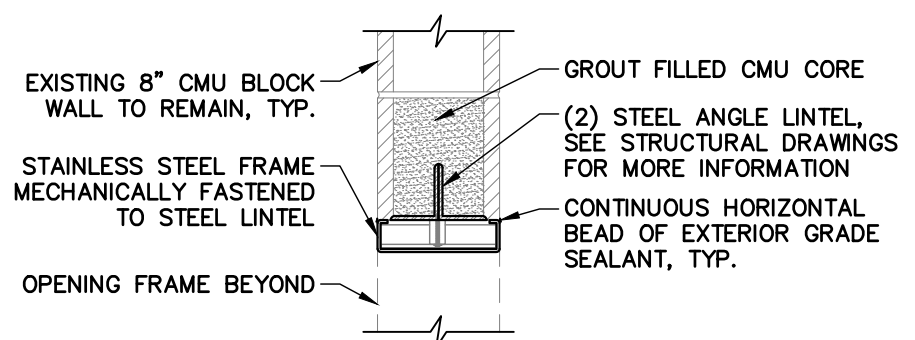
**OVERHEAD DOOR TYPICAL DOOR JAMB DETAIL**  
3 SCALE: 1"= 1'-0"



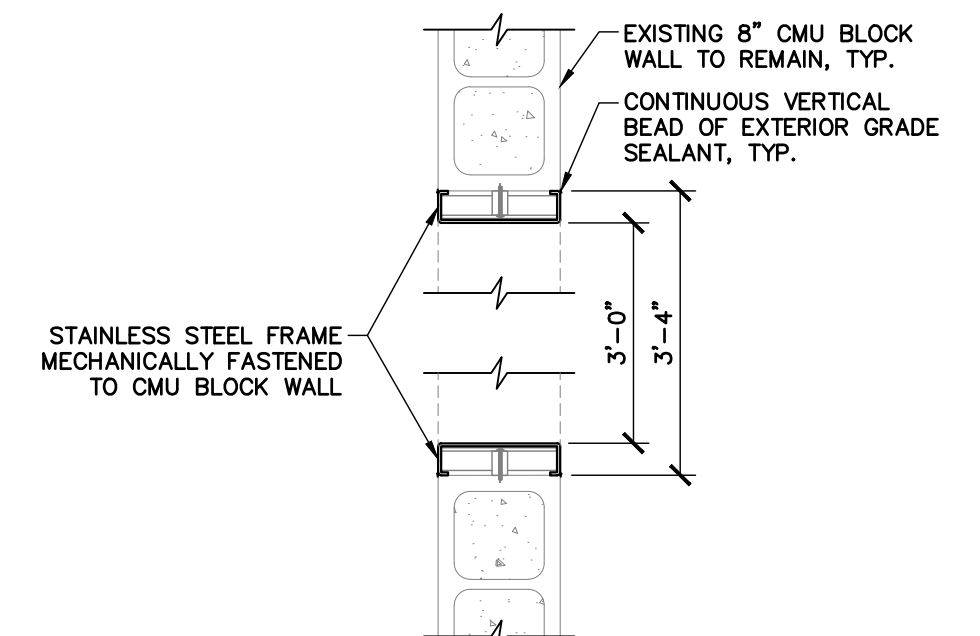
**MAN DOOR TYPICAL DOOR HEAD DETAIL**  
2 SCALE: 1"= 1'-0"



**OVERHEAD DOOR TYPICAL DOOR HEAD DETAIL**  
4 SCALE: 1"= 1'-0"



**CASED OPENING SECTION AT LINTEL**  
5 SCALE: 1"= 1'-0"

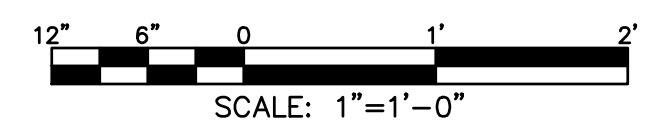


**CASED OPENING PLAN VIEW**  
6 SCALE: 1"= 1'-0"

DOOR SCHEDULE												
NUMBER	TYPE	MTRL	SIZE	THICK	FINISH	RATING	HWDR.	GLASS	FRAME TYPE	FRAME MAT.	FRAME FIN.	REMARKS
100	A	HOLLOW METAL	3'-0" x 7'-0"	1 3/4"	PAINTED	3 HR.	2	-	1	HOLLOW METAL	PAINTED	PROVIDE 1" UNDERCUT TO DOOR FOR VENTILATION
101	A	HOLLOW METAL	3'-0" x 7'-0"	1 3/4"	PAINTED	3 HR.	3	-	1	HOLLOW METAL	PAINTED	-
102	A	INSUL. HOLLOW METAL	3'-0" x 7'-0"	1 3/4"	PAINTED	-	1	-	2	HOLLOW METAL	PAINTED	* INCLUDE PANIC HARDWARE ON INTERIOR FACE OF DOOR
103	A	INSUL. HOLLOW METAL	3'-0" x 7'-0"	1 3/4"	PAINTED	3 HR.	1	-	2	HOLLOW METAL	PAINTED	-
104	B	OVERHEAD INSUL. HOLLOW METAL (COILING)	10'-0" x 12'-0"	-	PER MANUFACTURER	3 HR.	-	-	-	STEEL	PAINTED	-
105	B	OVERHEAD INSUL. HOLLOW METAL (COILING)	10'-0" x 12'-0"	-	PER MANUFACTURER	-	-	-	-	STEEL	PAINTED	-
106	-	-	3'-0" x 7'-0"	-	-	-	-	-	1	STAINLESS STEEL	-	CASED OPENING (NO DOOR)

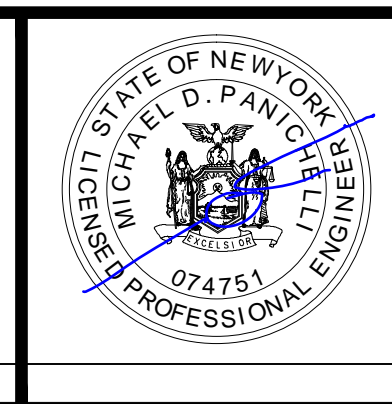
**BASIS OF DESIGN:**

- DOOR 100 - CECO DOOR (ASSA ABL0Y) / REGENT / FLUSH / 20 GAUGE STANDARD DUTY 3HR. FIRE RATED
- DOOR 101 - CECO DOOR (ASSA ABL0Y) / REGENT / FLUSH / 20 GAUGE STANDARD DUTY 3HR. FIRE RATED
- DOOR 102 - CECO DOOR (ASSA ABL0Y) / IMPERIAL / FLUSH / 18 GAUGE HEAVY DUTY INSULATED
- DOOR 103 - CECO DOOR (ASSA ABL0Y) / IMPERIAL / FLUSH / 18 GAUGE HEAVY DUTY INSULATED AND 3HR. FIRE RATED
- DOOR 104 - OVERHEAD DOOR CO. / FIRE KING 635 / INSULATED FIRE DOOR
- DOOR 105 - OVERHEAD DOOR CO. / STORMTITE 625 / INSULATED HEAVY DUTY DOOR
- DOOR 106 - CURRIES (ASSA ABL0Y) / MK SERIES / STAINLESS STEEL MASONRY CASED OPENING



SUBMITTAL / REVISIONS				
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FACILITY RENOVATIONS PHASE II  
**DOOR SCHEDULE, DETAILS AND NOTES**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>A-601</b>

**FINISH NOTES:**

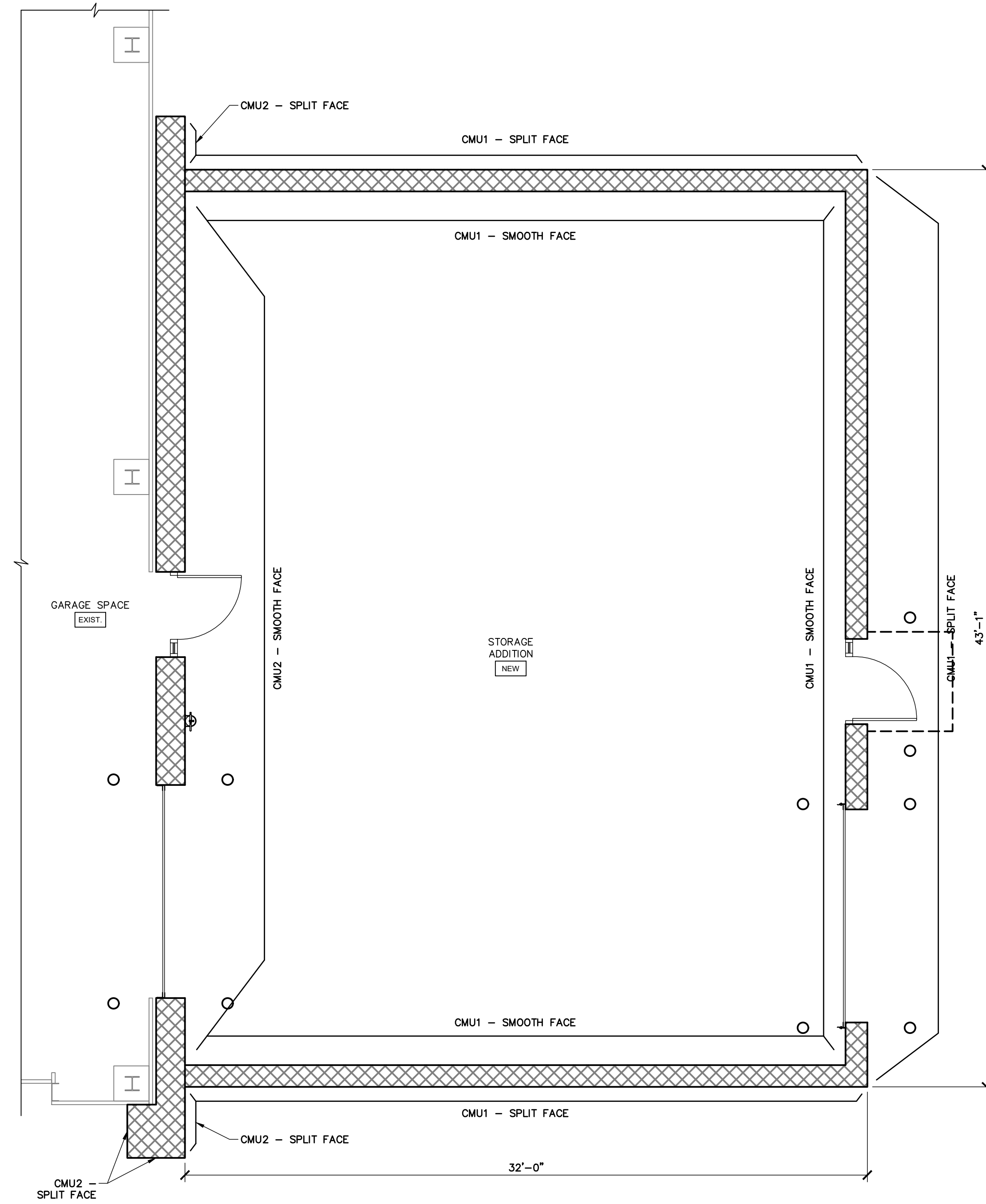
- THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL FINISH MATERIALS.
- ALL FINISHES SHALL HAVE A CLASS A FLAME SPREAD OR BETTER.
- MINOR ITEMS OF WORK SUCH AS CUTTING, BLOCKING, TRIMMING, ETC. WILL BE PERFORMED AS REQUIRED TO MAKE THE FINISH WORK COMPLETE WHETHER SHOWN OR NOTED ON THE CONTRACT DOCUMENTS OR NOT.
- THE CONTRACTOR SHALL PROVIDE A RUBBER TRANSITION STRIP, THAT IS NO GREATER THAN 1/2" THICK, BETWEEN DISSIMILAR FLOOR MATERIALS.
- ALL ITEMS NOT SPECIFICALLY REFERRED TO ON THESE DRAWINGS ARE TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS AND TEXTURES AVAILABLE.
- ALL SEALANT AND CAULKING IN PROJECT, TO MATCH ADJACENT WALL PAINT COLOR.
- CMU BLOCKS THAT ARE PART OF THE NEW FIRE WALL THAT ARE VISIBLE FROM WITHIN THE STORAGE ADDITION SHALL HAVE A SMOOTH-FACE FINISH. ALL OTHER CMU BLOCKS THAT ARE PART OF THE NEW FIRE WALL THAT ARE VISIBLE FROM THE EXTERIOR SHALL BE SPLIT-FACE. SEE DET. 1/A-602 FOR MORE INFORMATION.

**ROOM FINISH SCHEDULE**

NO.	ROOM NAME	FLOOR	BASE	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			REMARKS
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
NEW	STORAGE ADDITION	CONC	-	CMU1	-	CMU1	-	CMU1	-	CMU2	-	N/A	N/A	N/A	EXTERIOR FACE OF CMU SHALL BE SPLIT FACE, INTERIOR FACE SHALL BE SMOOTH FACE. SEE FINISH NOTE #7.
NEW	MECHANICS LOCKER ROOM	RFC 1	VWB1	EXISTING	P1	EXISTING	P1	EXISTING	P1	CMU3	P1	ATC1	N/A	7'-10.5"	
NEW	MECHANICS RESTROOM	RFC 1	VWB1	EXISTING	P1	CMU3	P1	EXISTING	P1	EXISTING	P1	ATC1	N/A	7'-10.5"	
EXISTING	MECHANICS BREAK ROOM	RFC 1	VWB1	EXISTING	P1	EXISTING	P1	EXISTING	P1	EXISTING	P1	ATC1	N/A	8'-0"	
EXISTING	VISITOR'S RESTROOM	RFC 2	EXISTING	GWB	P1	GWB	P1	GWB	P1	GWB	P1	ATC1	N/A	7'-11"	

**FINISH / MATERIALS SCHEDULE**

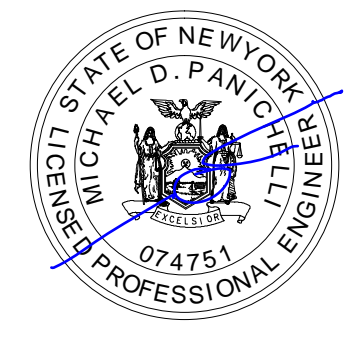
FIN. ACRONYM	FIN. TYPE / MAKE / MANUFACTURER (OR EQUAL)	PATTERN / MODEL NO. / COLOR (OR EQUAL)
<b>ACOUSTICAL TILE CEILING (SEE SPECIFICATION SECTION 09 51 23)</b>		
ATC1	ARMSTRONG / CIRRUS SERIES	24"x24"x15/16" / SQUARE LAY-IN
<b>RESINOUS FLOOR COATINGS (SEE SPEC SECTION 09 67 23)</b>		
RFC1	TNEMEC / POWER-TREAD / SERIES 237	PRIMER AND BROADCAST COATS / COLOR - GRAY (33GR)
	TNEMEC / SERIES N284	INTERMEDIATE COAT (REQUIRED BY FINISH COAT)
	TNEMEC / EVERTHANE / SERIES 248	FINISH COAT / COLOR - GRAY (33GR)
RFC2	TNEMEC / SERIES N284	PRIMER COAT (REQUIRED BY FINISH COAT)
	TNEMEC / EVERTHANE / SERIES 248	FINISH COAT / COLOR - CLEAR
<b>PAINT (SEE SPEC SECTION 09 91 01)</b>		
P1	SHERWIN WILLIAMS	COLOR - SNOWBOUND (SW 7004) -- TYPICAL WALL PAINT COLOR
P2	SHERWIN WILLIAMS	COLOR - OUTERSPACE (SW 6251) -- TYPICAL DOOR AND FRAME COLOR
<b>WALL BASE (SEE SPEC SECTION 09 65 13)</b>		
VWB1	TARKETT / JOHNSONITE / 4" TRADITIONAL WALL BASE WITH TOE KICK (VL4)	COLOR - COOL METAL (CG)
<b>CMU BLOCK (SEE SPEC SECTION 04 22 00)</b>		
CMU1	ECHOLON MASONRY / INSULTECH / NOMINAL 8" BACKER BLOCK	3 HR. FIRE RATING / TRENWYTH - MESASTONE FACE BLOCK - COLOR: CORAL
CMU2	ECHOLON MASONRY / INSULTECH / NOMINAL 12" BACKER BLOCK	3 HR. FIRE RATING / TRENWYTH - MESASTONE FACE BLOCK - COLOR: CORAL
CMU3	STANDARD 8" CMU BLOCK	COLOR - GRAY
<b>INSULATED METAL WALL PANEL (SEE SPEC SECTION 07 42 13)</b>		
MWP1	METL-SPAN / CF MESA SERIES / 2.5" INSULATED WALL PANEL (HORIZONTAL)	PUR CORE / COLOR - SMOKE GRAY
<b>LAMINATE COUNTERTOP (SEE SPEC SECTION 12 36 16)</b>		
COUNTERTOP	FORMICA / DECOMETAL METAL LAMINATE	FINISH: BRUSHED STAINLESS STEEL (M2178)



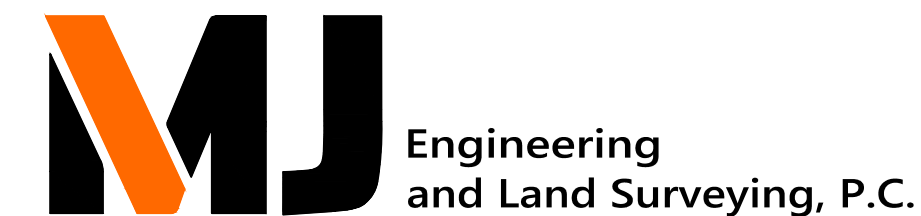
**1 STORAGE ADDITION FINISH PLAN**  
SCALE: 1/4" = 1'-0"

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SMB
DRAWN BY:	SMB
CHECKED BY:	NGC



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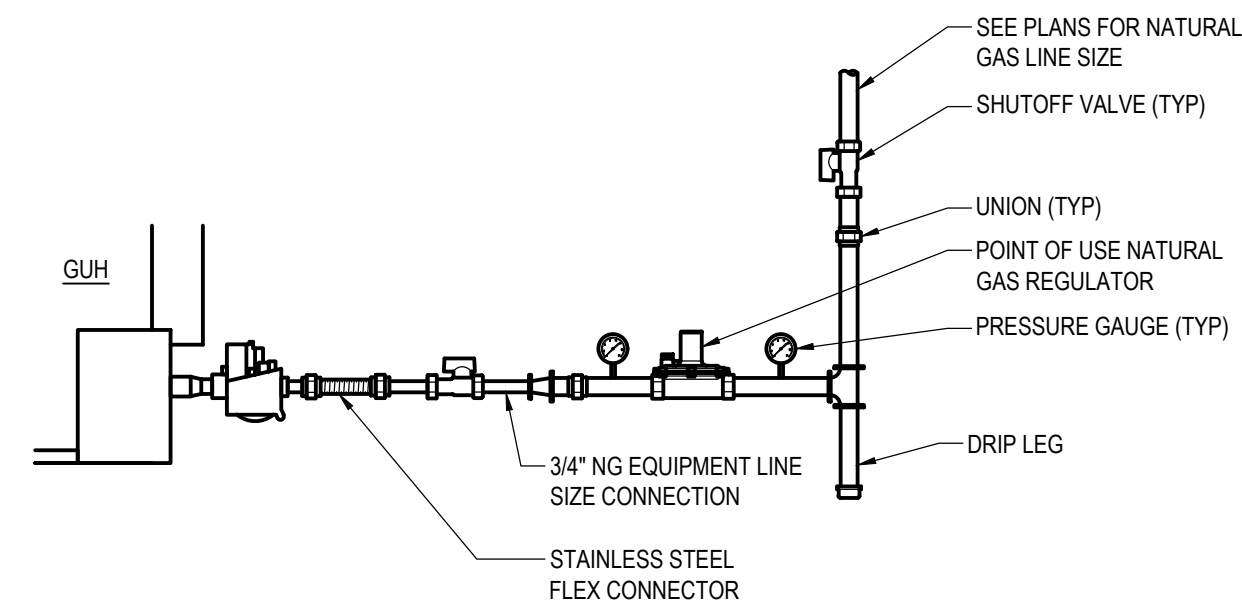
FACILITY RENOVATIONS PHASE II

**FINISH SCHEDULE, DETAILS AND NOTES**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**A-602**



**1 UNIT HEATER GAS PIPING DETAIL**  
SCALE: NOT TO SCALE

PLUMBING SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<b>GENERAL</b>	
	CONNECT NEW WORK TO EXISTING
	POINT OF DISCONNECT
<b>VALVES AND PIPING ACCESSORIES</b>	
	DIRECTION OF FLUID FLOW
	LINE BREAK
	PIPE DOWN
	PIPE UP
	PIPE TAKE-OFF FROM BOTTOM
	BLIND FLANGE
	P-TRAP
	PIPE CONCENTRIC REDUCER
	PIPE ECCENTRIC REDUCER
	PIPE CAP
	CLEANOUT
	PIPE PLUG
	HOSE BIBB
	BALL VALVE
	PRESSURE RELIEF VALVE
	GAS COCK
	PRESSURE REGULATING VALVE
	PIPE GUIDE
	THERMOMETER
	PIPE UNION
	WATER HAMMER ARRESTOR OR SHOCK ABSORBER

PLUMBING REMOVAL LINE TYPES	
LINE TYPES & ABBREVIATIONS	DESCRIPTION
	REMOVE DOMESTIC COLD WATER PIPING (SIZE AS INDICATED)
	REMOVE DOMESTIC HOT WATER PIPING (SIZE AS INDICATED)
	REMOVE COMPRESSED AIR GAS PIPING (SIZE AS INDICATED)
	REMOVE NATURAL GAS PIPING (SIZE AS INDICATED)
	REMOVE NATURAL GAS VENT PIPING (SIZE AS INDICATED)
	REMOVE WASTE PIPING (SIZE AS INDICATED)
	REMOVE UNDER SLAB WASTE PIPING (SIZE AS INDICATED)
	REMOVE VENT PIPING (SIZE AS INDICATED)

PLUMBING EXISTING LINE TYPES	
LINE TYPES & ABBREVIATIONS	DESCRIPTION
	EXISTING DOMESTIC COLD WATER PIPING (SIZE AS INDICATED)
	EXISTING DOMESTIC HOT WATER PIPING (SIZE AS INDICATED)
	EXISTING COMPRESSED AIR GAS PIPING (SIZE AS INDICATED)
	EXISTING NATURAL GAS PIPING (SIZE AS INDICATED)
	EXISTING NATURAL GAS VENT PIPING (SIZE AS INDICATED)
	EXISTING WASTE PIPING (SIZE AS INDICATED)
	EXISTING UNDER SLAB WASTE PIPING (SIZE AS INDICATED)
	EXISTING VENT PIPING (SIZE AS INDICATED)

PLUMBING LINE TYPES	
LINE TYPES & ABBREVIATIONS	DESCRIPTION
	DOMESTIC COLD WATER PIPING (SIZE AS INDICATED)
	DOMESTIC HOT WATER PIPING (SIZE AS INDICATED)
	COMPRESSED AIR GAS PIPING (SIZE AS INDICATED)
	NATURAL GAS PIPING (SIZE AS INDICATED)
	NATURAL GAS VENT PIPING (SIZE AS INDICATED)
	WASTE PIPING (SIZE AS INDICATED)
	UNDER SLAB WASTE PIPING (SIZE AS INDICATED)
	VENT PIPING (SIZE AS INDICATED)

PLUMBING ABBREVIATIONS	
#	NUMBER
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATE
CLG	CEILING
CO	CLEANOUT
CW	COLD WATER
DIA	DIAMETER
DN	DOWN
E or (E)	EXISTING
FC	FLOOR CLEANOUT
FD	FLOOR DRAIN
FL	FLOOR
FT	FEET OR FOOT
GAL	GALLON
GPM	GALLON PER MINUTE
HB	HOSE BIBB
HW	HOT WATER
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NA	NOT APPLICABLE
NPT	NATIONAL PIPE THREAD
NST	NATIONAL STANDARD THREAD
SAN	SANITARY
SCH	SCHEDULE
SF	SQUARE FOOT OR SQUARE FEET
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
WCO	WALL CLEANOUT

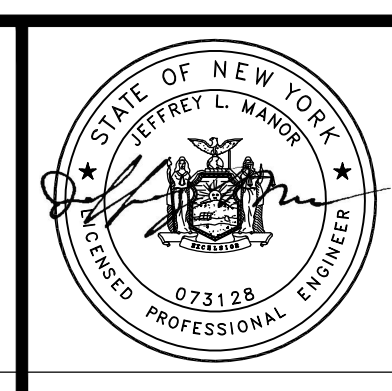
POINT OF USE ELECTRIC TANKLESS WATER HEATER SCHEDULE										
TAG	LOCATION	SERVICE	MAX KW	GPM	RISE	ELECTRICAL			MANUFACTURER & MODEL#	REMARKS
						VOLT	PH	FLA		
EW1	VISITOR RESTROOM	LAVATORY DOMESTIC HOT WATER	3.0	0.25	82°F	277	1	11	EEMAX LAVADVANTAGE #SPEX327TT	

PLUMBING FIXTURE/SPECIALTIES SCHEDULE										
TAG	ITEM	MANUFACTURER & MODEL	WASTE	VENT	CW	HW	FITTINGS/ACCESSORIES OR DESIGN DATA			ITEM DESCRIPTION
W1	ADA WALL HUNG BACK OUTLET ELONGATED TANK TYPE WATER CLOSET	GERGER #G0020021	4"	2"	1/2"	NA	AMERICAN STANDARD SEAT #55901.100SS, ELONGATED HEAVY DUTY BOWL OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING HINGE AND EVERCLEAN SURFACE. ZURN #ZH8822-XL-LRLK-PC HEAVY DUTY ANGLE STOP WITH FLEXIBLE SUPPLY, CHROME PLATED, CAST BRASS, ESCUTCHEON FLANGE WITH SETSCREW. ZURN #Z1204-N-XH-VP EXTRA HEAVY DUTY ADJUSTABLE VERTICAL SIPHON JET HO-HUM WATER CLOSET WALL CARRIER.			WALL HUNG BACK OUTLET TANK TYPE WATER CLOSET, VITREOUS CHINA, 3" FLUSH VALVE FOR MAXIMUM WATER FORCE, GERBER PILOT FILL VALVE, EXTRA-LARGE DUAL FED SIPHON JET FOR HIGH POWER BOWL CLEANING, 100% GLAZED TRAPWAY, DOUBLE NUT MULTI-POINT TANK TO BOWL MOUNTING SYSTEM. MEETING ADA, HIGH EFFICIENCY TOILET AND WATER SENSE STANDARDS
L1	ADA LAVATORY	AMERICAN STANDARD #0955.901EC	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD #6053.105 ELECTRONIC PROXIMITY LAVATORY FAUCET, CAST BRASS SPOUT, BATTERY POWERED, 0.5 GPM, PRESSURE COMPENSATING, VANDAL RESISTANT MULTILAMINAR SPRAY. ZURN #Z1231 CONCEALED ARM SYSTEM FOR WALL LAVATORIES. ZURN #Z8746-PC, CHROME PLATED CAST BRASS OPEN GRID DRAIN STRAINER, CHROME PLATED CAST BRASS ELBOW WITH 1-1/4" 17 GA CHROME PLATED TUBULAR BRASS OFFSET TAILPIECE. ZURN #Z8701-PC CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT, ESCUTCHEON AND COMPRESSION INLET. ZURN #ZH8822-XL-LRLK-PC HEAVY DUTY ANGLE STOPS WITH FLEXIBLE LAVATORY SUPPLY, CHROME PLATED, CAST BRASS, ESCUTCHEON FLANGE WITH SETSCREW. PROVIDE ONE EWH1 FOR THIS BATHROOM GROUP.			MURRO WALL HUNG LAVATORY, VITREOUS CHINA WITH EVERCLEAN, LESS OVER FLOW, RECESSED SELF DRAINING DECK AND CONCEALED ARM SUPPORT. MEETING ADA AND ASME A112-19.2.
L2	ADA LAVATORY	AMERICAN STANDARD #0955.901EC	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD #6053.105 ELECTRONIC PROXIMITY LAVATORY FAUCET, CAST BRASS SPOUT, BATTERY POWERED, 0.5 GPM, PRESSURE COMPENSATING, VANDAL RESISTANT MULTILAMINAR SPRAY. ZURN #Z1231 CONCEALED ARM SYSTEM FOR WALL LAVATORIES. ZURN #Z8746-PC, CHROME PLATED CAST BRASS OPEN GRID DRAIN STRAINER, CHROME PLATED CAST BRASS ELBOW WITH 1-1/4" 17 GA CHROME PLATED TUBULAR BRASS OFFSET TAILPIECE. ZURN #Z8701-PC CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT, ESCUTCHEON AND COMPRESSION INLET. ZURN #ZH8822-XL-LRLK-PC HEAVY DUTY ANGLE STOPS WITH FLEXIBLE LAVATORY SUPPLY, CHROME PLATED, CAST BRASS, ESCUTCHEON FLANGE WITH SETSCREW. AMERICAN STANDARD #605XTM/1070 THERMOSTATIC MIXING VALVE.			MURRO WALL HUNG LAVATORY, VITREOUS CHINA WITH EVERCLEAN, LESS OVER FLOW, RECESSED SELF DRAINING DECK AND CONCEALED ARM SUPPORT. MEETING ADA AND ASME A112-19.2.

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PLOTTED: 2/5/2024 12:38:09 PM  
USER: NICHOLAS DELPRADO

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No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	MJC
DRAWN BY:	MJC
CHECKED BY:	SCD



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**FACILITY RENOVATIONS PHASE II**

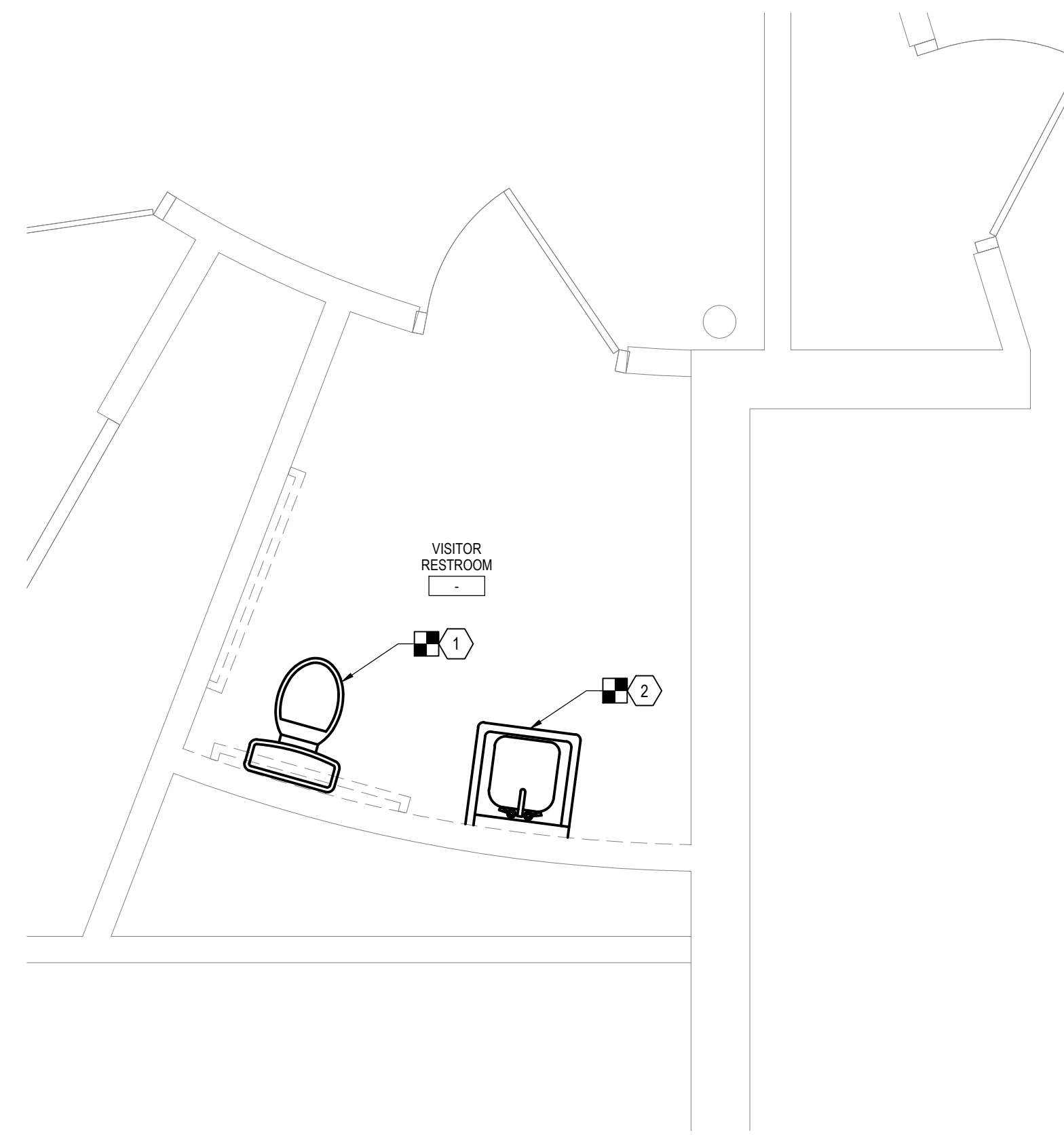
**SYMBOLS LEGEND & ABBREVIATIONS**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

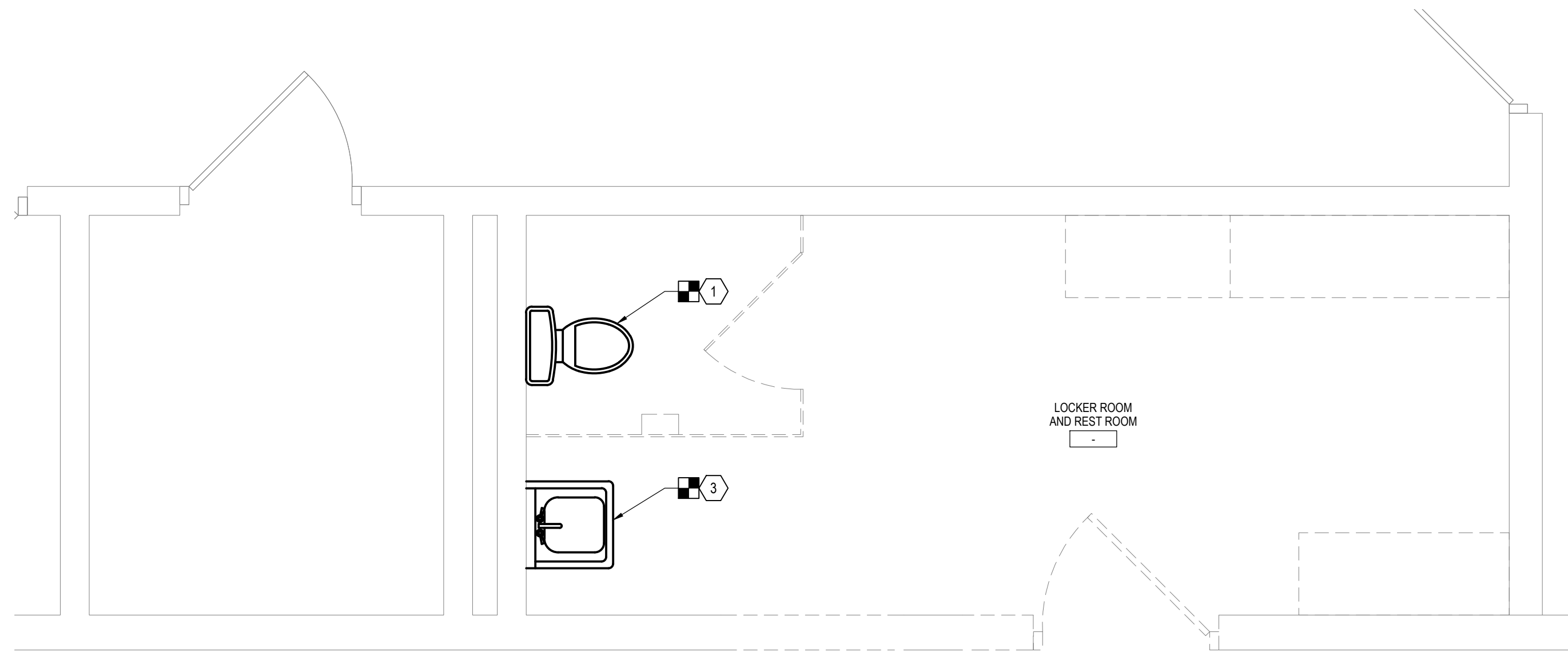
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P001

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**1** VISITOR RESTROOM PLUMBING REMOVAL PLAN  
 SCALE: 1/2" = 1'-0"



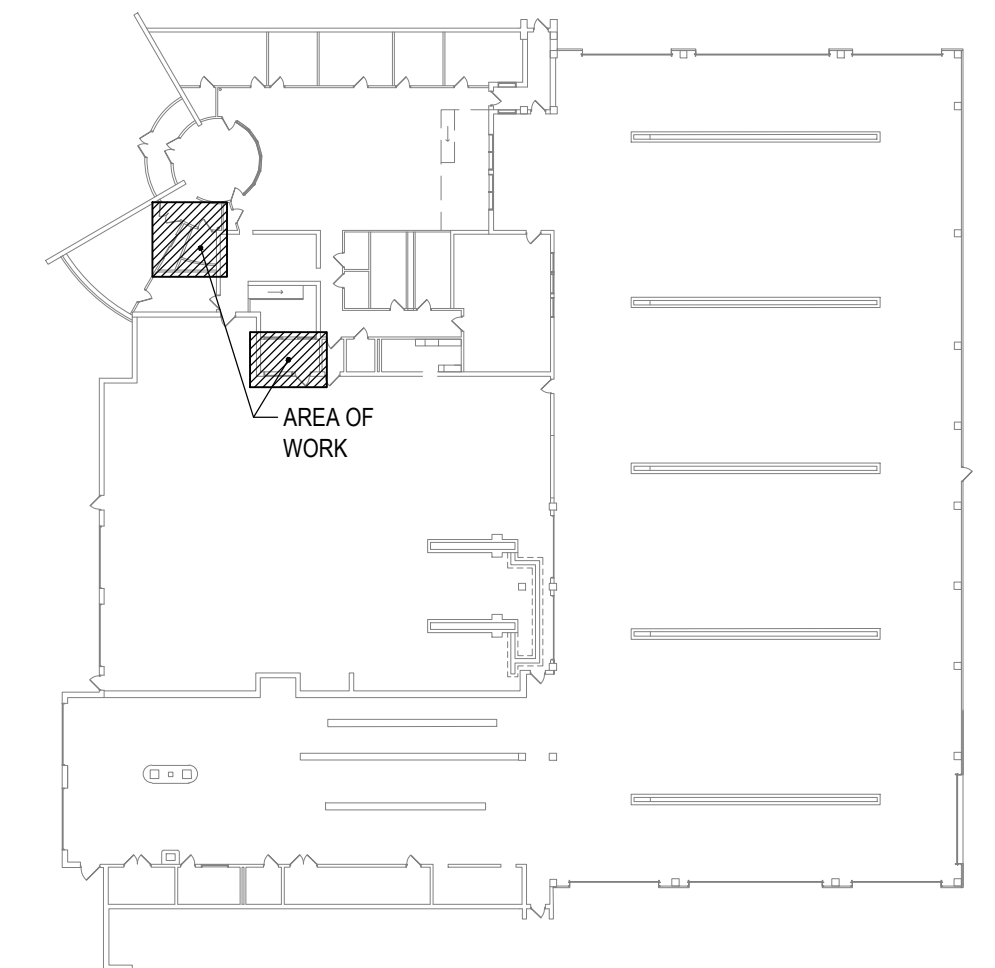
**2** LOCKER ROOM AND REST ROOM PLUMBING REMOVAL PLAN  
 SCALE: 1/2" = 1'-0"

**GENERAL NOTES**

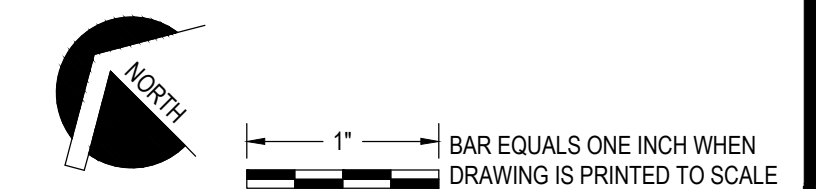
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2. DEMOLITION AND REMOVAL OF EXISTING PLUMBING INSTALLATIONS IS REQUIRED. ALL PIPING, NOT BEING REUSED, SHALL BE REMOVED BACK TO MAINS AND CAPPED. CONTRACTOR TO PERFORM ALL CUTTING AND PATCHING REQUIRED FOR THE WORK, UNLESS OTHERWISE NOTED. PATCH AND SEAL ALL RESULTING PIPING VOIDS. USE FIRE AND SMOKE RATED MATERIALS WHERE VOID IS IN A SMOKE OR FIRE RATED PARTITION OR FLOORS. ALL PATCHING SHALL MATCH SURROUNDING EXISTING SURFACES IN KIND.
3. REMOVE EXISTING FIXTURES AND TRIM AS INDICATED, COORDINATE REMOVALS WITH NEW WORK.

**KEYED NOTES**

- 1 DISCONNECT AND REMOVE EXISTING TOILET AND TOILET WALL CARRIER TO BE REMOVED IN ITS ENTIRETY. PREPARE SANITARY AND DOMESTIC WATER LINES FOR REUSE DURING REINSTALLATION.
- 2 DISCONNECT AND REMOVE EXISTING LAVATORY FAUCET, SINK, SINK WALL CARRIER AND POINT OF USE ELECTRIC HOT WATER HEATER IN THEIR ENTIRETY BACK TO CHASE WALL. PREPARE SANITARY AND DOMESTIC WATER LINES FOR REUSE IN A LATER PHASE.
- 3 DISCONNECT AND REMOVE EXISTING LAVATORY FAUCET, SINK AND SINK WALL CARRIER IN THEIR ENTIRETY BACK TO CHASE WALL. PREPARE SANITARY AND DOMESTIC WATER LINES FOR REUSE IN A LATER PHASE.



**KEYPLAN**  
 SCALE: NOT TO SCALE



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CHIEF DESIGNER:	NGC
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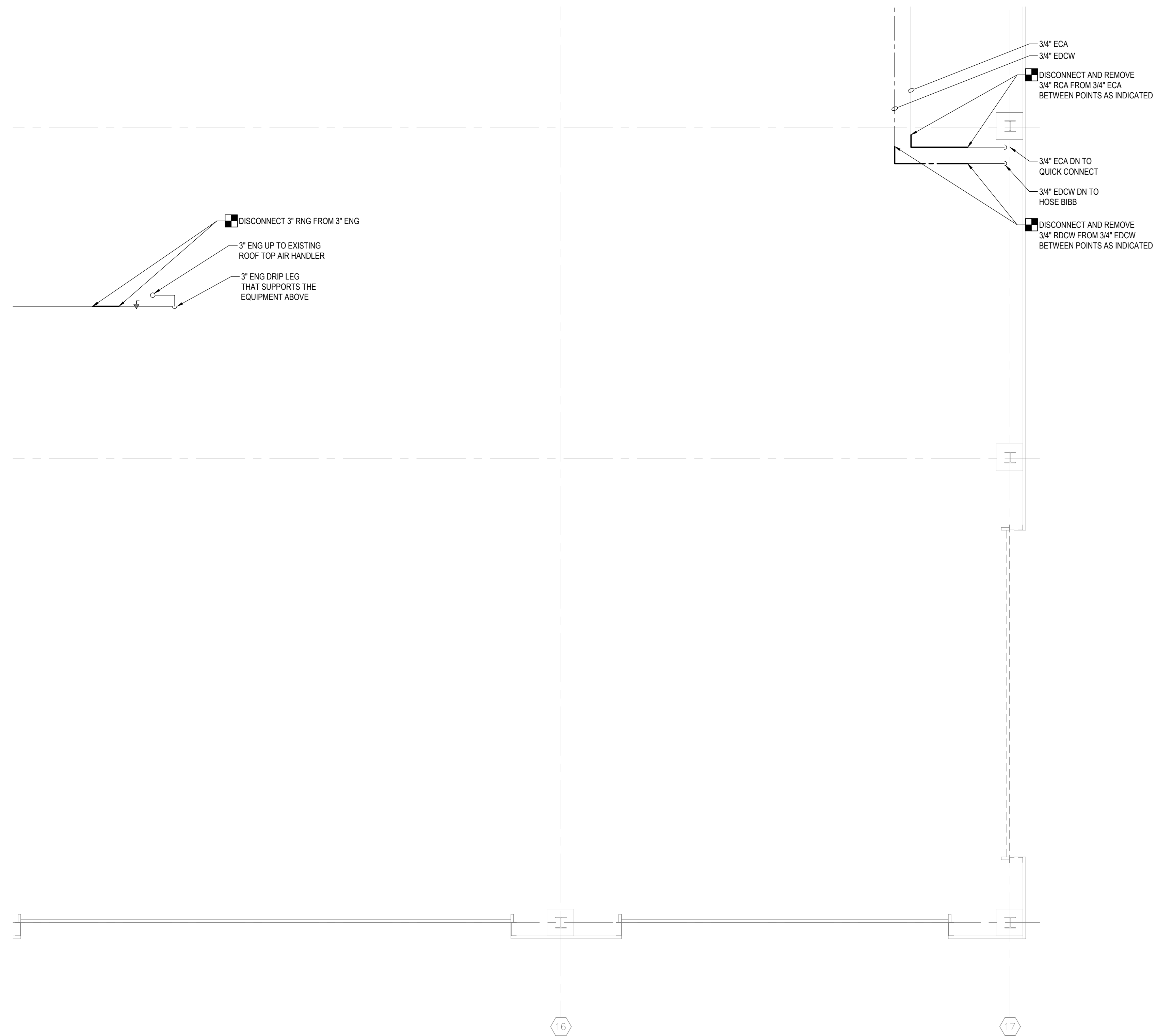
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FACILITY RENOVATIONS PHASE II  
**PLUMBING REMOVAL PLANS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
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**PD101**

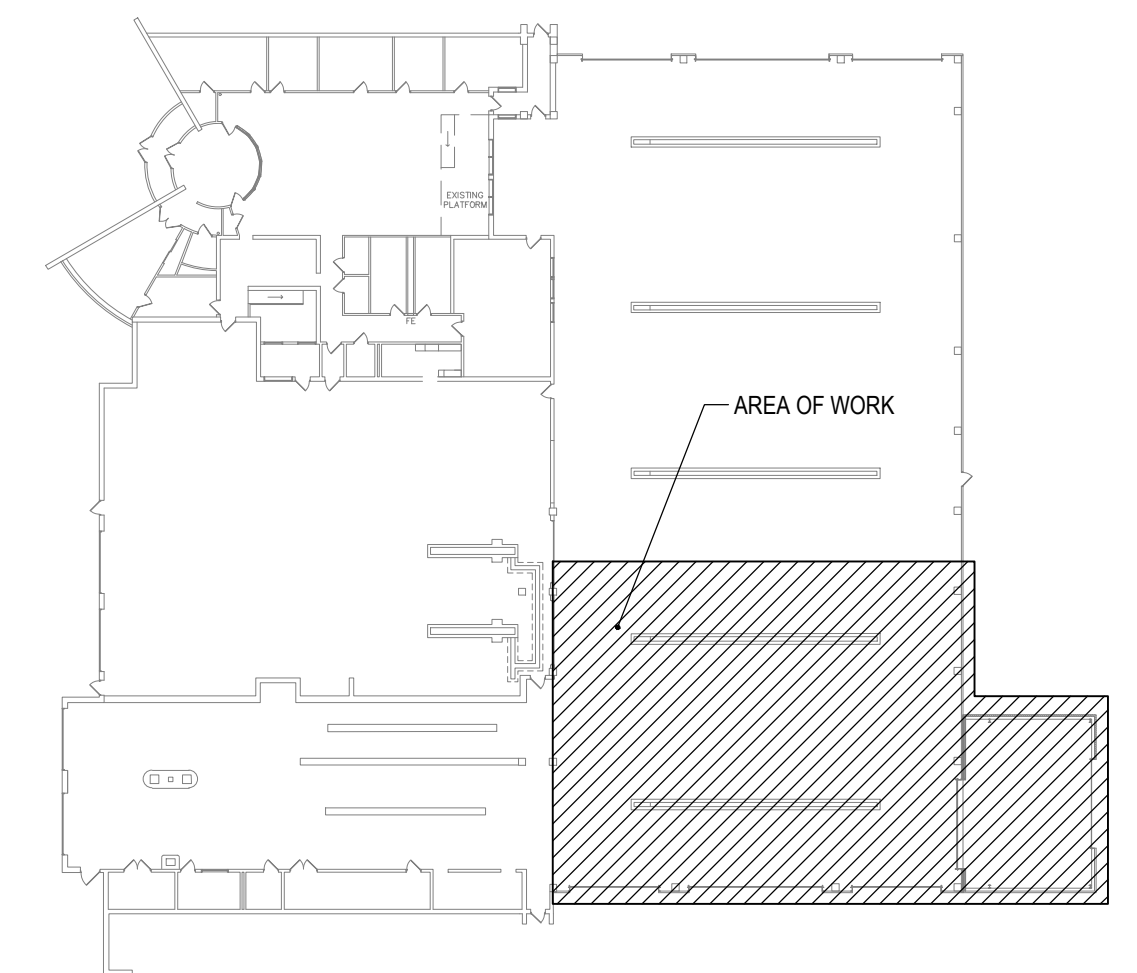


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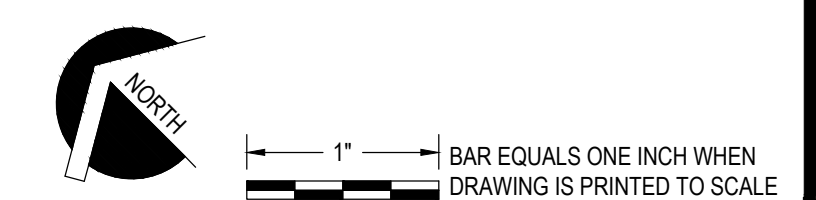


### GENERAL NOTES

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3. REMOVE EXISTING FIXTURES AND TRIM AS INDICATED. COORDINATE REMOVALS WITH NEW WORK.



**KEYPLAN**  
 SCALE: NOT TO SCALE



## 1 PLUMBING REMOVAL PLANS

SCALE: #####

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FACILITY RENOVATIONS PHASE II  
**PLUMBING REMOVAL PLANS**  
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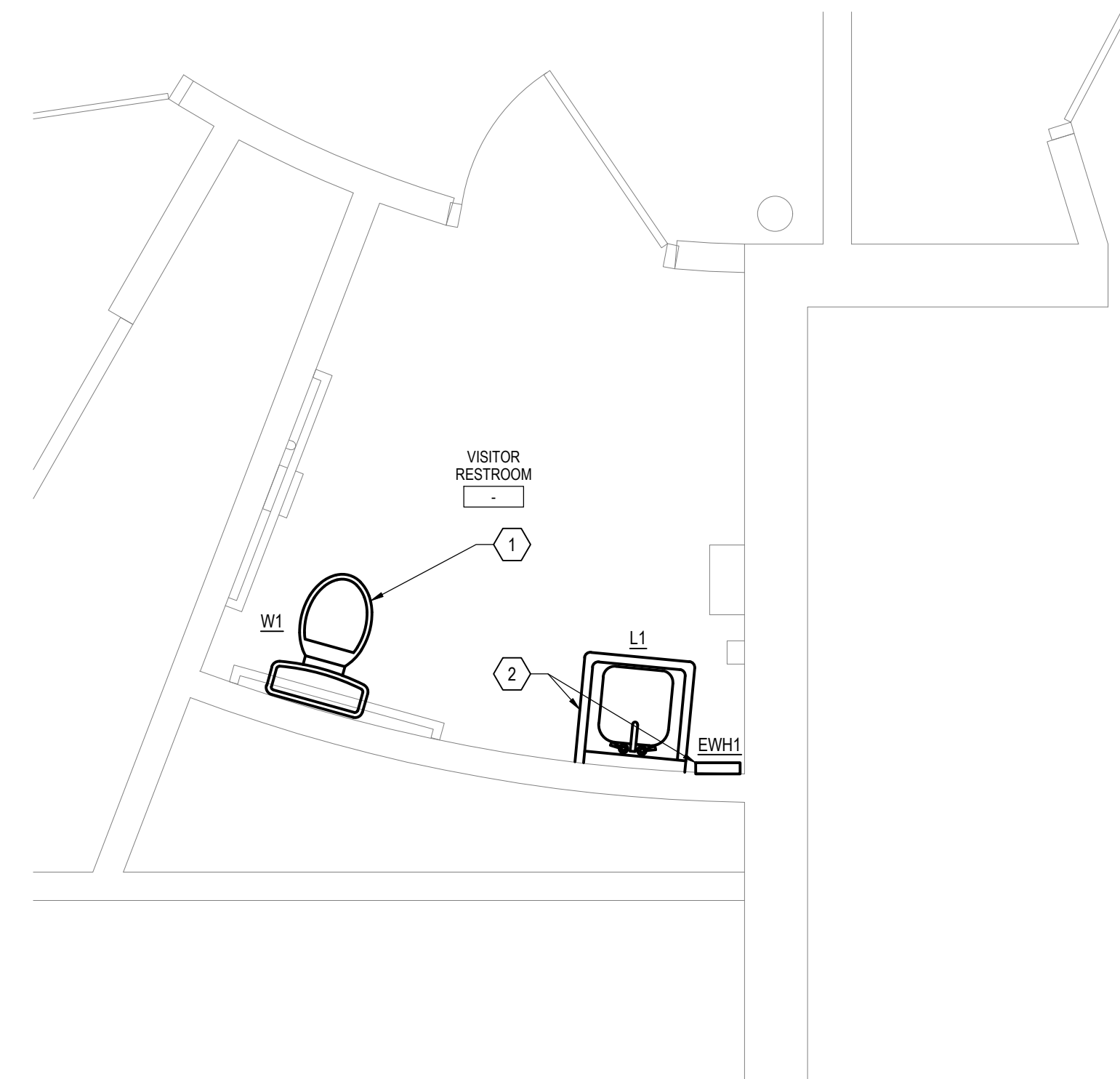
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**PD102**

## GENERAL NOTES

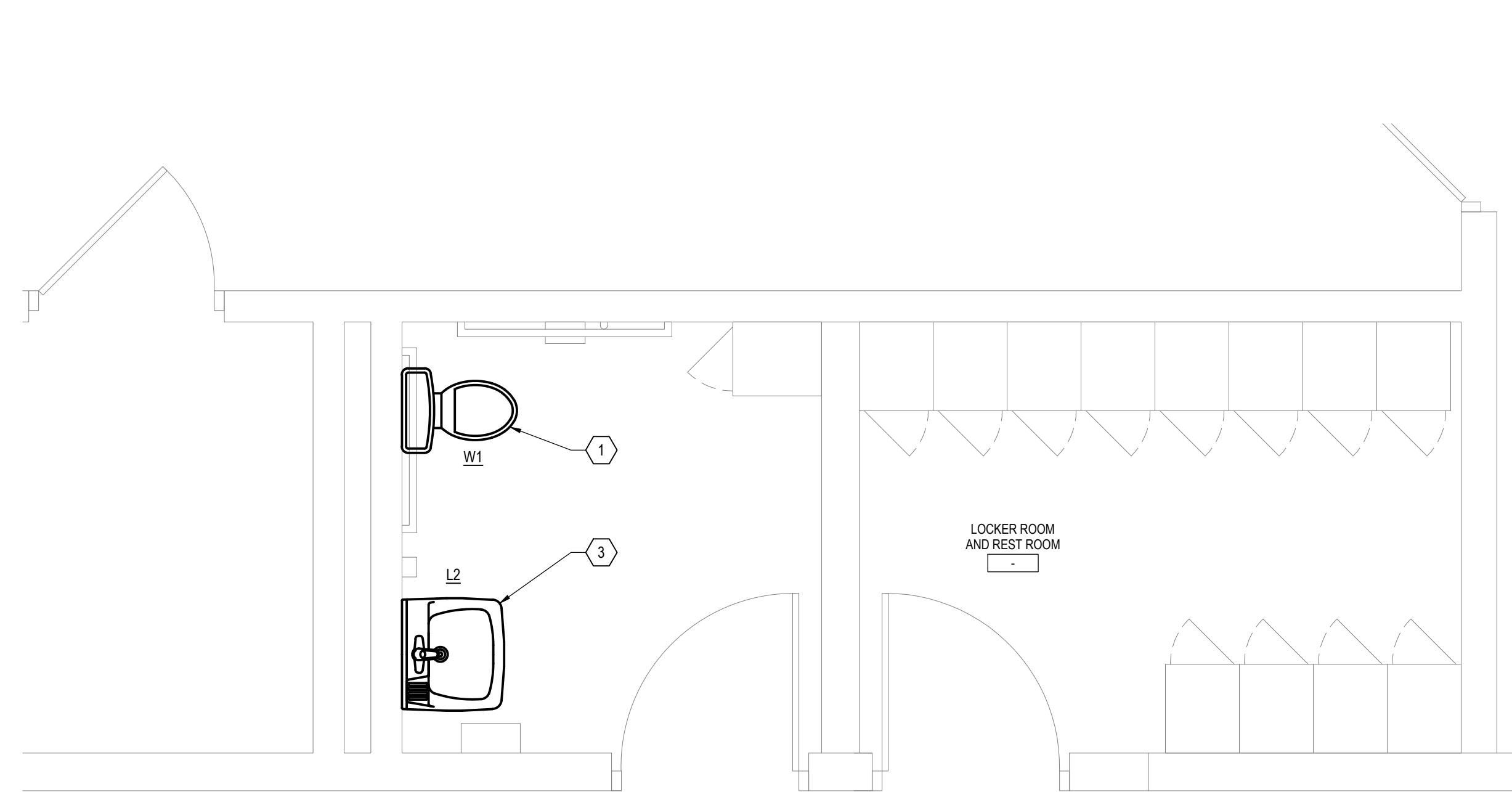
1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS PRIOR TO INITIATING ANY WORK FOR THIS PROJECT. CONTRACT DOCUMENTS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND FIELD INVESTIGATION. THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE OF ANY INCONSISTENCIES IDENTIFIED BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS THAT IMPACT THE CONTRACTOR'S ABILITY TO PERFORM THE WORK INDICATED ON THE CONTRACT DOCUMENTS.
2. NON-RECIRCULATED HOT WATER SYSTEMS SHALL NOT EXCEED 50 FEET IN LENGTH TO COMPLY WITH PLUMBING CODE.
3. INSTALL ALL EQUIPMENT AND FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
4. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT. ANY HOT WATER AND HOT WATER RETURN EXPANSION OFFSETS, ANCHORS AND PIPE GUIDES SHOWN ARE FOR GENERAL REFERENCE.
5. PIPING TEES IN THE BULLNOSE POSITION WILL NOT BE APPROVED, UNLESS OTHERWISE NOTED ON THE DRAWINGS TO PIPE IN THIS METHOD. THIS NOTE APPLIES TO ALL WATER AND GAS PIPING ON ALL DRAWINGS HEREIN.
6. REPLACE EXISTING PLUMBING FIXTURES AND TRIM. COORDINATE WITH REMOVAL & NEW WORK ON ALL FLOORS. CONTRACTOR SHALL FIELD VERIFY THAT THE FIXTURES SPECIFIED WILL FIT THE EXISTING ROUGH IN CONDITIONS, THE FIXTURES SPECIFIED SHALL BE USED AS THE COST BASIS SHOULD A DIFFERENT FIXTURE BE REQUIRED.

## KEYED NOTES

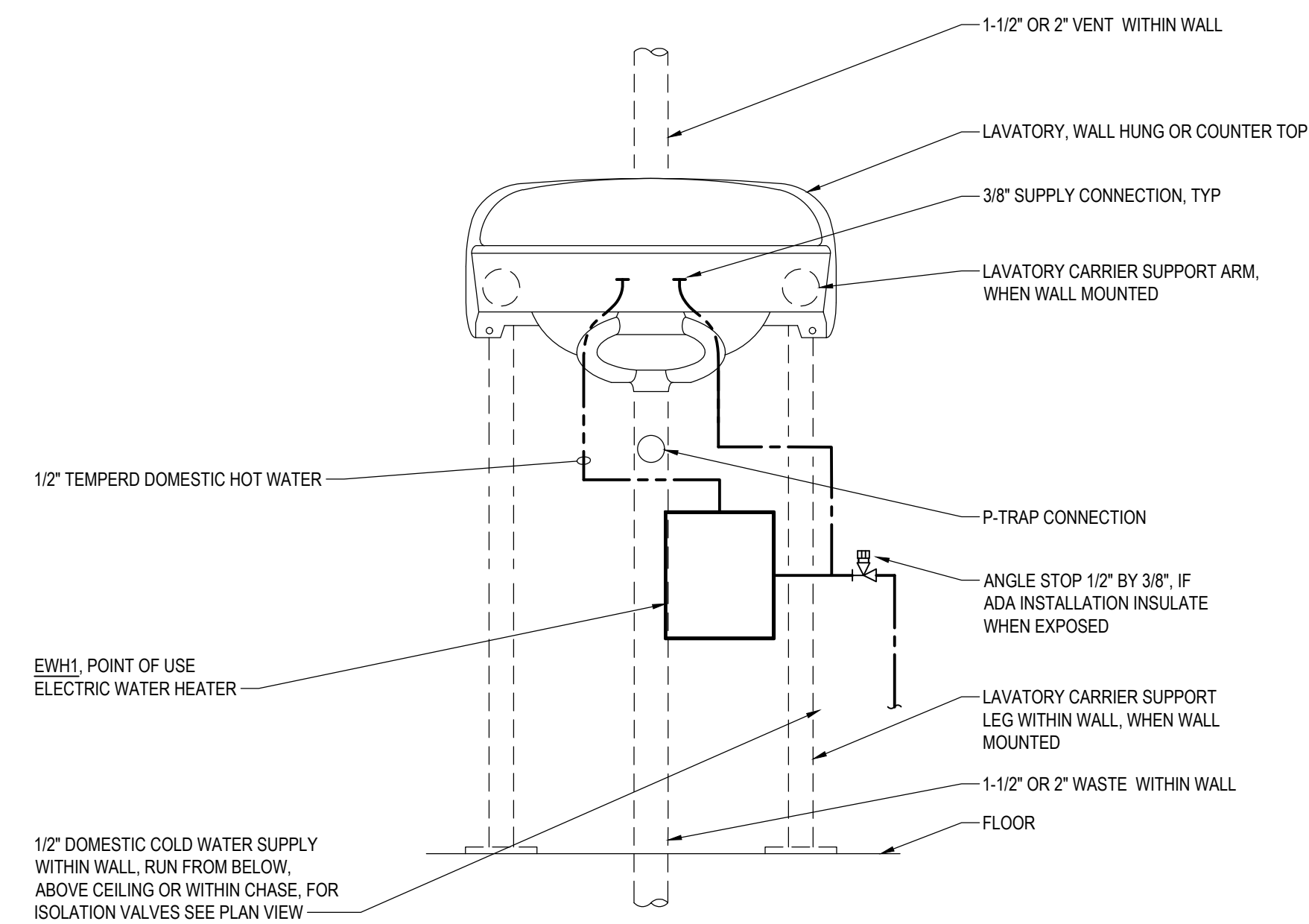
1. CONNECT WATER CLOSET TO EXISTING CONNECTIONS RETAINED FROM REMOVAL WORK.
2. CONNECT LAVATORY, LAVATORY FAUCET AND ELECTRIC POINT OF USE WATER HEATER TO CONNECTIONS RETAINED FROM REMOVAL WORK.
3. CONNECT LAVATORY, LAVATORY FAUCET AND POINT OF USE MIXING VALVE TO CONNECTIONS RETAINED FROM REMOVAL WORK.



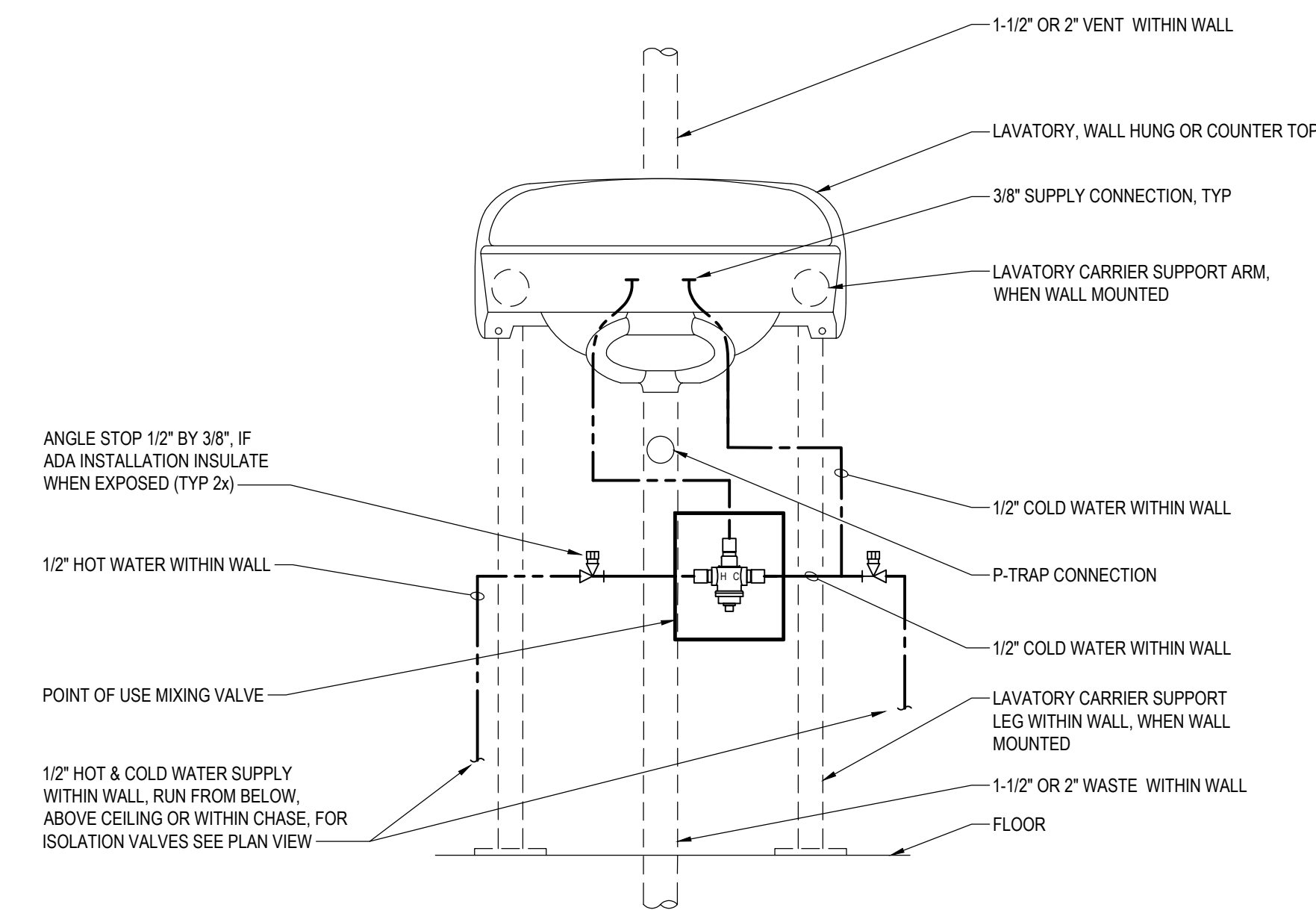
**1 VISITOR RESTROOM PLUMBING PLAN**  
SCALE: 1/2" = 1'-0"



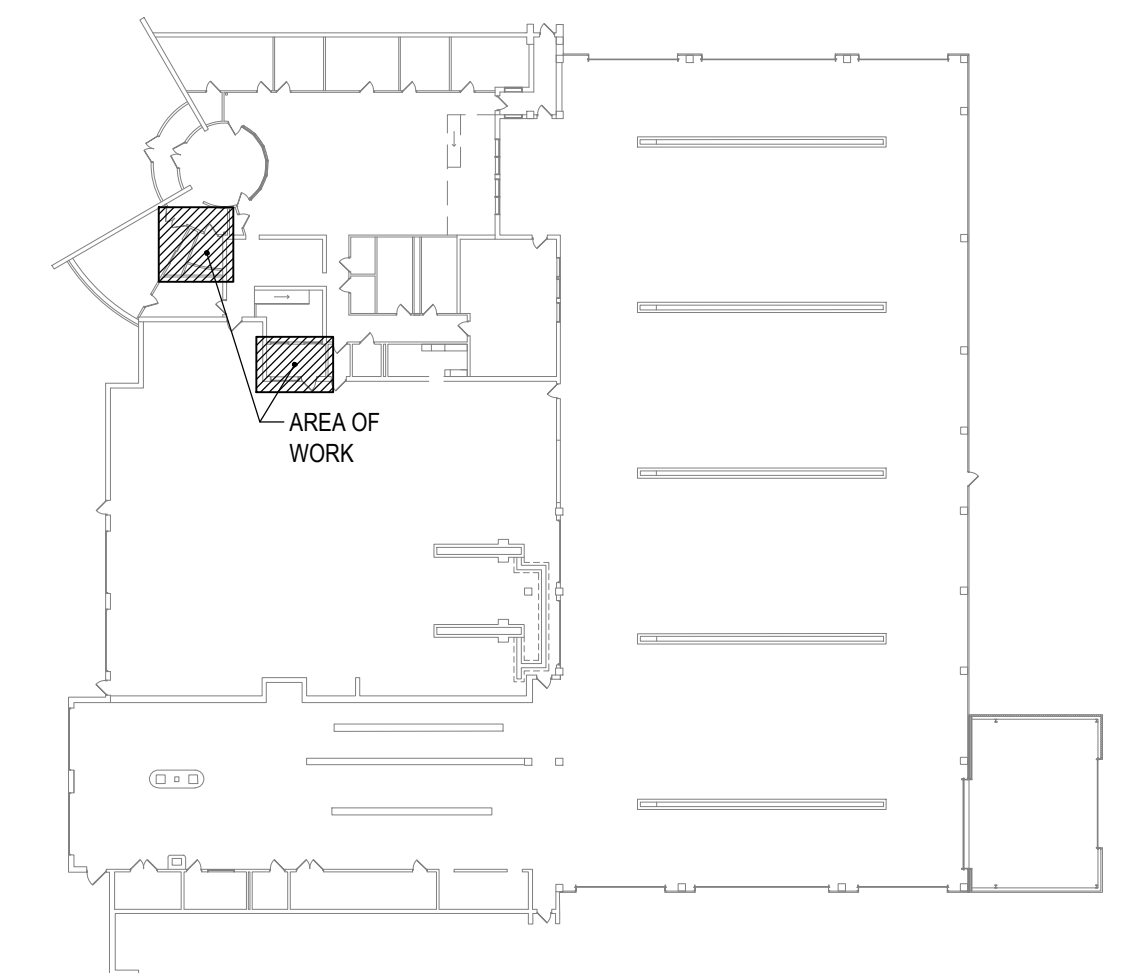
**2 LOCKER ROOM AND REST ROOM PLUMBING PLAN**  
SCALE: 1/2" = 1'-0"



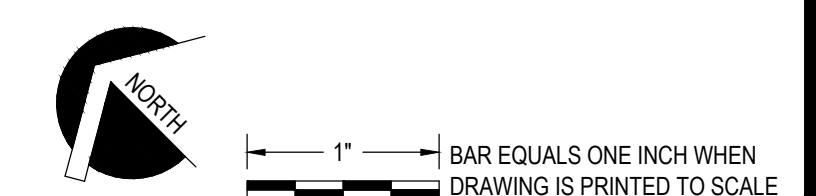
**3 L1 WITH POINT OF USE ELECTREIC HOT WATER HEATER DETAIL**  
SCALE: NOT TO SCALE



**4 L2 WITH POINT OF USE MIXING VALVE DETAIL**  
SCALE: NOT TO SCALE



**KEYPLAN**  
SCALE: NOT TO SCALE



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USER: NICHOLAS DELPRADO  
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SAVED: 1/2/2024 3:48:05 PM

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No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	MJC
DRAWN BY:	MJC
CHECKED BY:	SCD



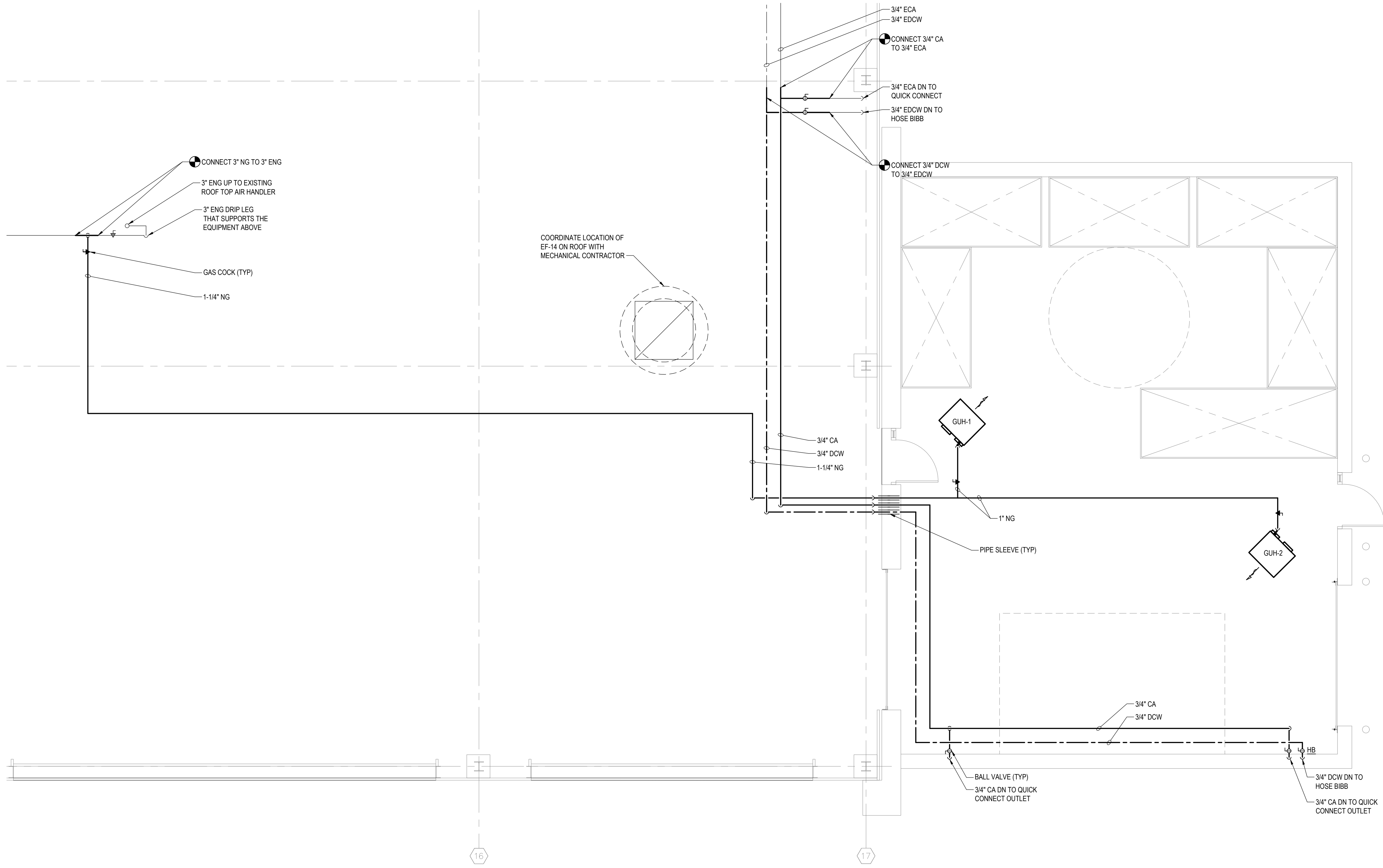
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FACILITY RENOVATIONS PHASE II  
**PLUMBING PLANS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

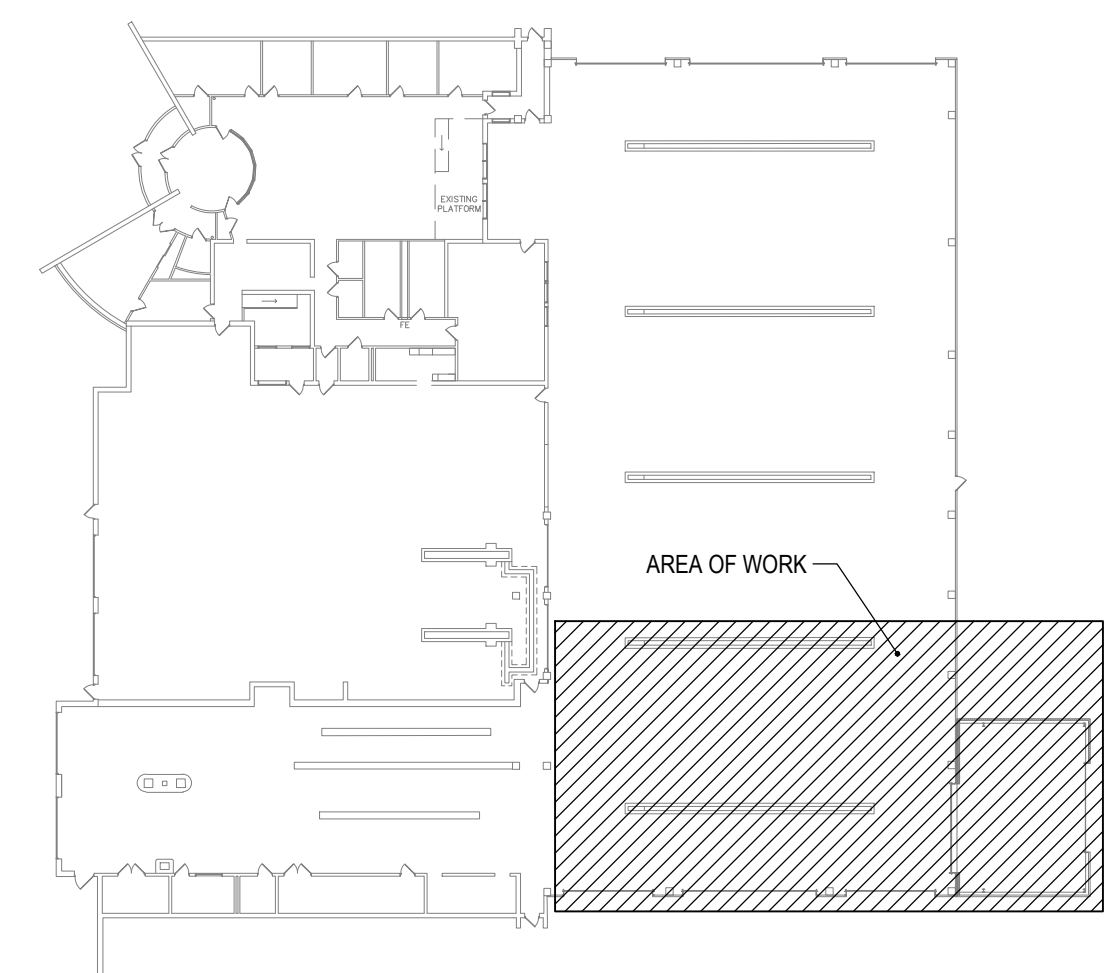
SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024
<b>P101</b>

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 USER: NICHOLAS DELPRADO  
 PLOTTED: 2/5/2024 12:38:13 PM



### GENERAL NOTES

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6. CONTRACTOR SHALL FIELD VERIFY THAT THE FIXTURES SPECIFIED WILL FIT THE EXISTING ROUGH IN CONDITIONS, THE FIXTURES SPECIFIED SHALL BE USED AS THE COST BASIS SHOULD A DIFFERENT FIXTURE BE REQUIRED.
7. PROVIDE A GAS REGULATOR AT EACH GAS APPLIANCE OR GAS EQUIPMENT AS NEEDED, IF AN INTERNAL GAS REGULATOR IS NOT PROVIDED WITH THE GAS APPLIANCE OR GAS EQUIPMENT.
8. ALL WORK TO BE DONE IN ACCORDANCE WITH THE FIRE CODE OF NEW YORK STATE, NFPA - 54 AND NATIONAL FUEL GAS CODE.
9. GAS PIPING, WITHIN BUILDING, 2" AND LESS TO BE SCHEDULE 40 BLACK STEEL WITH THREADED CONNECTIONS, 2-1/2" SIZE AND LARGER TO BE WELDED.
10. VENTS FROM INTERIOR REGULATORS SHALL BE PIPED FULL SIZED TO THE EXTERIOR OF THE BUILDING AND TERMINATED WITH A GAS VENT CAP. PROVIDE FULL PIPE SIZE GAS CAP, RICHARDS PECK STYLE GAS REGULATOR VENT WITH SCREEN.



**KEYPLAN**  
SCALE: NOT TO SCALE



**1 STORAGE ADDITION PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
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FACILITY RENOVATIONS PHASE II  
**STORAGE ADDITION PLUMBING PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**P102**

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 USER: NICHOLAS DELPRADO  
 PLOTTED: 2/5/2024 12:38:52 PM

MECHANICAL REMOVAL LINE TYPES	
LINE TYPES & ABBREVIATIONS	DESCRIPTION
24"x24" RS	REMOVE SUPPLY DUCTWORK (SIZE AS INDICATED)
24"x24" RR	REMOVE RETURN DUCTWORK (SIZE AS INDICATED)
24"x24" RE	REMOVE EXHAUST DUCTWORK (SIZE AS INDICATED)
24"x24" RO	REMOVE OUTSIDE AIR DUCTWORK (SIZE AS INDICATED)
24"x24" RF	REMOVE FLUE (SIZE AS INDICATED)
2" RHWS	REMOVE HEATING WATER SUPPLY PIPING (SIZE AS INDICATED)
2" RHWR	REMOVE HEATING WATER RETURN PIPING (SIZE AS INDICATED)
2" RMW	REMOVE MAKEUP WATER PIPING (SIZE AS INDICATED)
2" RD	REMOVE DRAIN PIPING (SIZE AS INDICATED)

MECHANICAL EXISTING LINE TYPES	
LINE TYPES & ABBREVIATIONS	DESCRIPTION
24"x24" ES	EXISTING SUPPLY DUCTWORK (SIZE AS INDICATED)
24"x24" ER	EXISTING RETURN DUCTWORK (SIZE AS INDICATED)
24"x24" EE	EXISTING EXHAUST DUCTWORK (SIZE AS INDICATED)
24"x24" EO	EXISTING OUTSIDE AIR DUCTWORK (SIZE AS INDICATED)
24"x24" EF	EXISTING FLUE (SIZE AS INDICATED)
2" EHWS	EXISTING HEATING WATER SUPPLY PIPING (SIZE AS INDICATED)
2" EHWR	EXISTING HEATING WATER RETURN PIPING (SIZE AS INDICATED)
2" EMW	EXISTING MAKEUP WATER PIPING (SIZE AS INDICATED)
2" ED	EXISTING DRAIN PIPING (SIZE AS INDICATED)

MECHANICAL LINE TYPES	
LINE TYPES & ABBREVIATIONS	DESCRIPTION
24"x24" S	SUPPLY DUCTWORK (SIZE AS INDICATED)
24"x24" R	RETURN DUCTWORK (SIZE AS INDICATED)
24"x24" E	EXHAUST DUCTWORK (SIZE AS INDICATED)
24"x24" O	OUTSIDE AIR DUCTWORK (SIZE AS INDICATED)
24"x24" F	FLUE (SIZE AS INDICATED)
2" HWS	HEATING WATER SUPPLY PIPING (SIZE AS INDICATED)
2" HWR	HEATING WATER RETURN PIPING (SIZE AS INDICATED)
2" MW	MAKEUP WATER PIPING (SIZE AS INDICATED)
2" D	DRAIN PIPING (SIZE AS INDICATED)

MECHANICAL SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<u>GENERAL</u>	
	CONNECT NEW WORK TO EXISTING
	POINT OF DISCONNECT
<u>DUCTWORK</u>	
	EXISTING REGISTER, GRILLE, DIFFUSER (RGD), RGD TAGS WITH A "X" SUFFIX REPRESENTS EXISTING RGD'S ("EG-X")
	REGISTER, GRILLE, DIFFUSER (RGD)
	EXISTING DUCTWORK
	DEMO/PROPOSED DUCTWORK
	LINED DUCTWORK
	FLEX DUCTWORK
	FLEX DUCT CONNECTOR
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
	EXISTING VOLUME DAMPER
	VOLUME DAMPER
	DUCT DROP
	DUCT RISE
	DIRECTION OF AIRFLOW
	DEMO/PROPOSED SUPPLY DIFFUSER
	EXISTING SUPPLY DIFFUSER
	DEMO/PROPOSED RETURN DIFFUSER
	EXIST RETURN DIFFUSER
	DEMO/PROPOSED EXHAUST DIFFUSER
	EXISTING EXHAUST DIFFUSER
	THERMOSTAT/TEMPERATURE SENSOR
	MOTORIZED DAMPER
	DUCT SMOKE DETECTOR

MECHANICAL SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
<u>CONTROLS</u>	
	CONTROL CONNECT
	CONTROL THERMOSTAT
	FREEZE STAT
	HUMIDISTAT
	COMBINATION STARTER
	PRESSURE SWITCH
	START/STOP
	VARIABLE FREQUENCY DRIVE
	AIR FLOW MONITOR

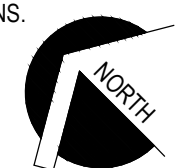
MECHANICAL SYMBOLS LEGEND	
<u>VALVES AND PIPING ACCESSORIES</u>	
	DIRECTION OF FLUID FLOW
	LINE BREAK
	PIPE DOWN
	PIPE UP
	PIPE TAKE-OFF FROM BOTTOM
	BLIND FLANGE
	P-TRAP
	PIPE CONCENTRIC REDUCER
	PIPE ECCENTRIC REDUCER
	PIPE CAP
	FLEXIBLE CONNECTOR
	FLOOR DRAIN
	WALL CLEANOUT
	PIPE PLUG
	PUMP
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CIRCUIT SETTER
	PRESSURE RELIEF VALVE
	GAS COCK
	PLUG VALVE
	PRESSURE REGULATING VALVE
	CHECK VALVE
	GATE VALVE
	GLOBE VALVE
	TRIPLE DUTY VALVE
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	PRESSURE GAUGE & VALVE
	STRAINER
	STRAINER BALL
	STRAINER GATE
	DCV BALL VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	THERMOMETER
	PIPE UNION

MECHANICAL ABBREVIATIONS	
#	NUMBER
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E or (E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
ELEV	ELEVATION
ESP	EXTERNAL STATIC PRESSURE
EW	EACH WAY
EWB	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
FD	FIRE DAMPER
FL	FLOOR
FS	FLOW SWITCH
FT	FEET OR FOOT
GA	GAUGE OR GAGE
GAL	GALLON
GPM	GALLONS PER MINUTE
GRS	GALVANIZED RIGID STEEL
HD	HEAD
HP	HORSEPOWER
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LDB	LEAVING DRY BULB TEMPERATURE
LF	LINEAR FEET OR FOOT
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OC	ON CENTER

MECHANICAL ABBREVIATIONS	
PD	PRESSURE DROP
PIT	PRESSURE / TEMPERATURE
RA	RETURN AIR
RH	RELATIVE HUMIDITY
SA	SUPPLY AIR
SF	SQUARE FEET OR SQUARE FOOT
SP	STATIC PRESSURE
T&B	TOP AND BOTTOM
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD

**BID ALTERNATE NOTES**  
 SCALE: NOT TO SCALE

1. FOR HVAC BID ALTERNATE WORK, REFER TO DRAWINGS M602 AND M802 AND APPLICABLE SPECIFICATION SECTIONS.



1" = BAR EQUALS ONE INCH WHEN DRAWING IS PRINTED TO SCALE

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CHIEF DESIGNER:	NGC
DESIGNED BY:	CHS
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FACILITY RENOVATIONS PHASE II  
**SYMBOLS LEGEND & ABBREVIATIONS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

**M001**

## GENERAL NOTES

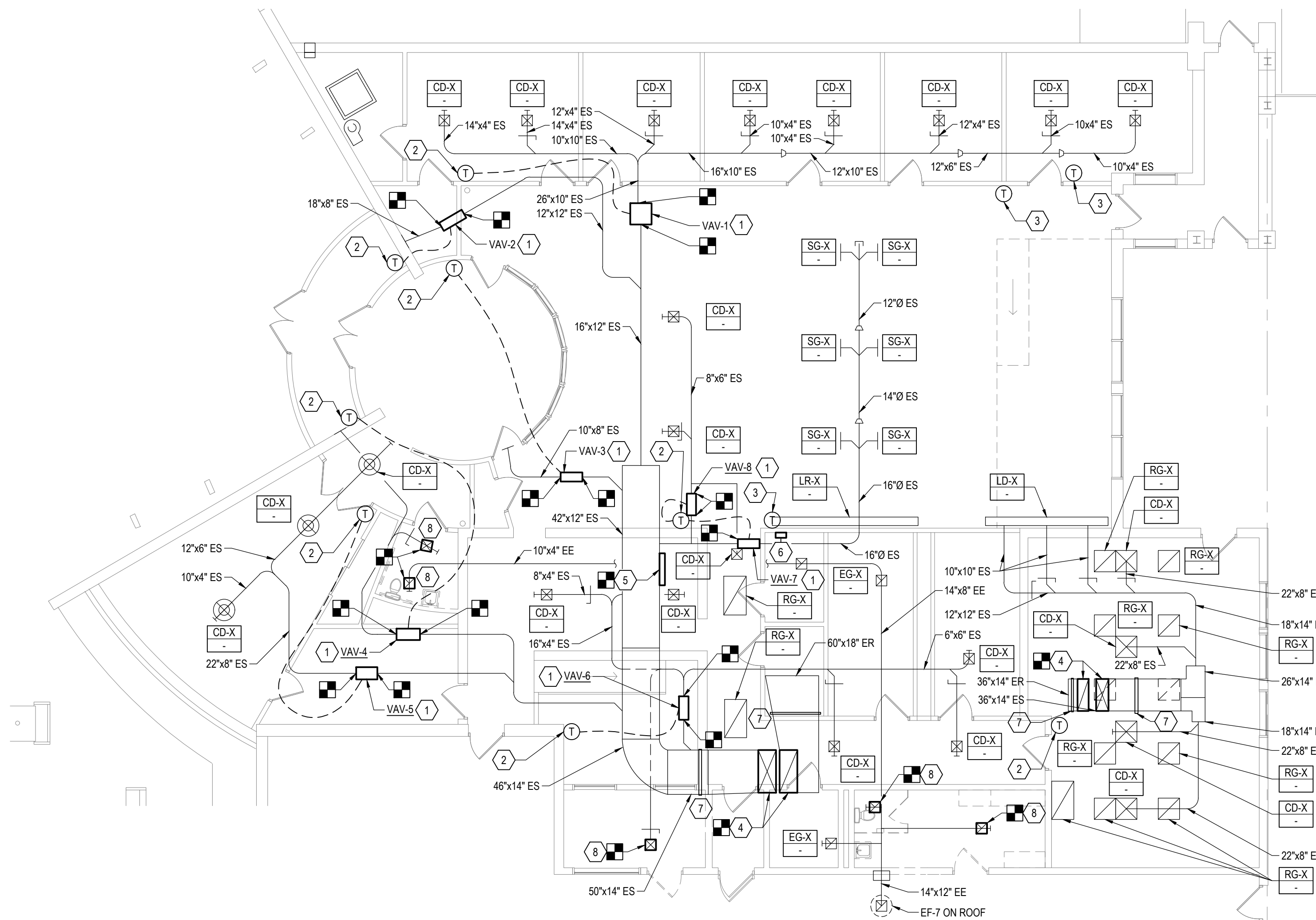
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- PERFORM CUTTING AND PATCHING REQUIRED FOR THE WORK, UNLESS OTHERWISE NOTED. PATCHING SHALL MATCH SURROUNDING EXISTING SURFACES IN KIND. PROVIDE FIRESTOPPING FOR PENETRATIONS THROUGH INTERIOR WALLS.
- COORDINATE UTILITY SHUT DOWNS WITH OWNER'S REPRESENTATIVE.

## KEYED NOTES

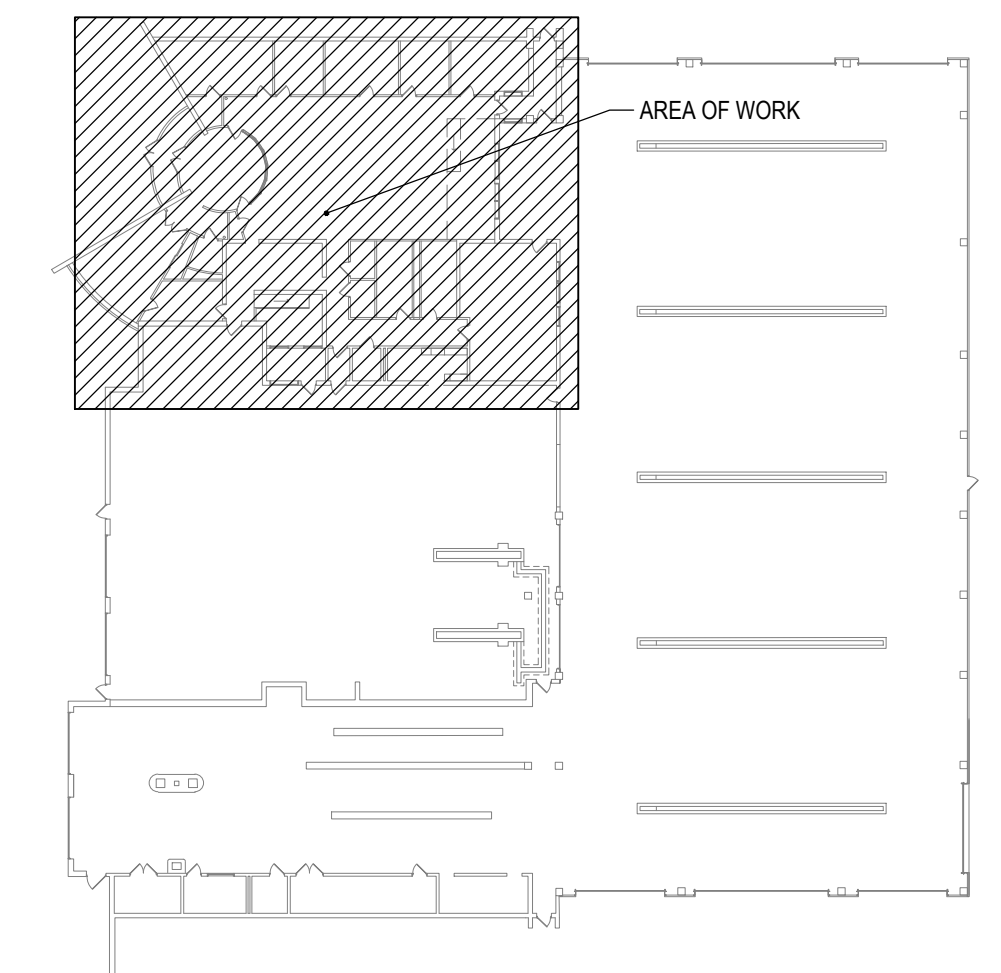
- REMOVE EXISTING VAV BOX. DISCONNECT DUCTWORK AT INLET AND OUTLET. DISCONNECT AND SAFE OFF THE EXISTING LOW-VOLTAGE/CONTROL WIRING FOR REUSE WITH THE REPLACEMENT VAV BOX.
- REMOVE EXISTING THERMOSTAT. SAFE OFF EXISTING WIRING FOR REUSE WITH THE REPLACEMENT THERMOSTAT.
- REMOVE EXISTING THERMOSTAT, CONTROL WIRING, AND WALL BOX. COORDINATE WALL PATCHING WITH GENERAL CONTRACTOR.
- DISCONNECT SUPPLY AND RETURN DUCTWORK FROM THE ROOFTOP UNIT ABOVE. VERTICAL DUCTWORK TO REMAIN FOR CONNECTION TO REPLACEMENT ROOFTOP UNIT. DUCT MOUNTED SMOKE DETECTOR SHALL REMAIN.
- REMOVE 36"x12" SUPPLY TO RETURN PLENUM BY-PASS INCLUDING DAMPER, ELECTRIC ACTUATOR, AND CONTROL WIRING. PATCH DUCT AIR TIGHT WITH MASTIC AND PROVIDE DUCT INSULATION TO MATCH ADJACENT DUCTWORK.
- EXISTING BUILDING AUTOMATION SYSTEM CONTROLLER. SEE BUILDING AUTOMATION NOTES ON M101 FOR ADDITIONAL INFORMATION.
- PRIOR TO CONSTRUCTION PROCURE THE SERVICES OF A BALANCING CONTRACTOR TO CONDUCT A PRE-CONSTRUCTION MAIN SUPPLY AND RETURN DUCT TRAVERSE MEASUREMENT (AIRFLOW AND STATIC PRESSURE) FOR AC-1 AND AC-2.
- DISCONNECT GRILLE/DIFFUSER FROM EXISTING DUCTWORK AND REMOVE GRILLE/DIFFUSER. EXISTING DUCTWORK SHALL REMAIN FOR REUSE.

## AIR BALANCING NOTES

- AC-1 & AC-2:  
PRIOR TO CONSTRUCTION AND RELEASE OF THE ASSOCIATED EQUIPMENT, PROCURE THE SERVICES OF A BALANCING CONTRACTOR TO MEASURE THE AIRFLOW OF EACH UNIT'S SUPPLY DIFFUSERS, SUPPLY MAIN DUCT TRAVERSE (AIRFLOW AND STATIC PRESSURE), AND RETURN MAIN DUCT TRAVERSE (AIRFLOW AND STATIC PRESSURE). MEASUREMENTS SHALL BE TAKEN WITH ALL VAV BOXES IN THEIR FULLY OPEN POSITION AND THEIR MINIMUM AIRFLOW POSITION. SUBMIT THE PRE-CONSTRUCTION TAB REPORT FOR RECORD.



**1 PARTIAL FIRST FLOOR DUCTWORK REMOVAL PLAN**  
SCALE: 1/8" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



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CHIEF DESIGNER:	NGC
DESIGNED BY:	CHS
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FACILITY RENOVATIONS PHASE II  
**PARTIAL FIRST FLOOR DUCTWORK REMOVAL PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

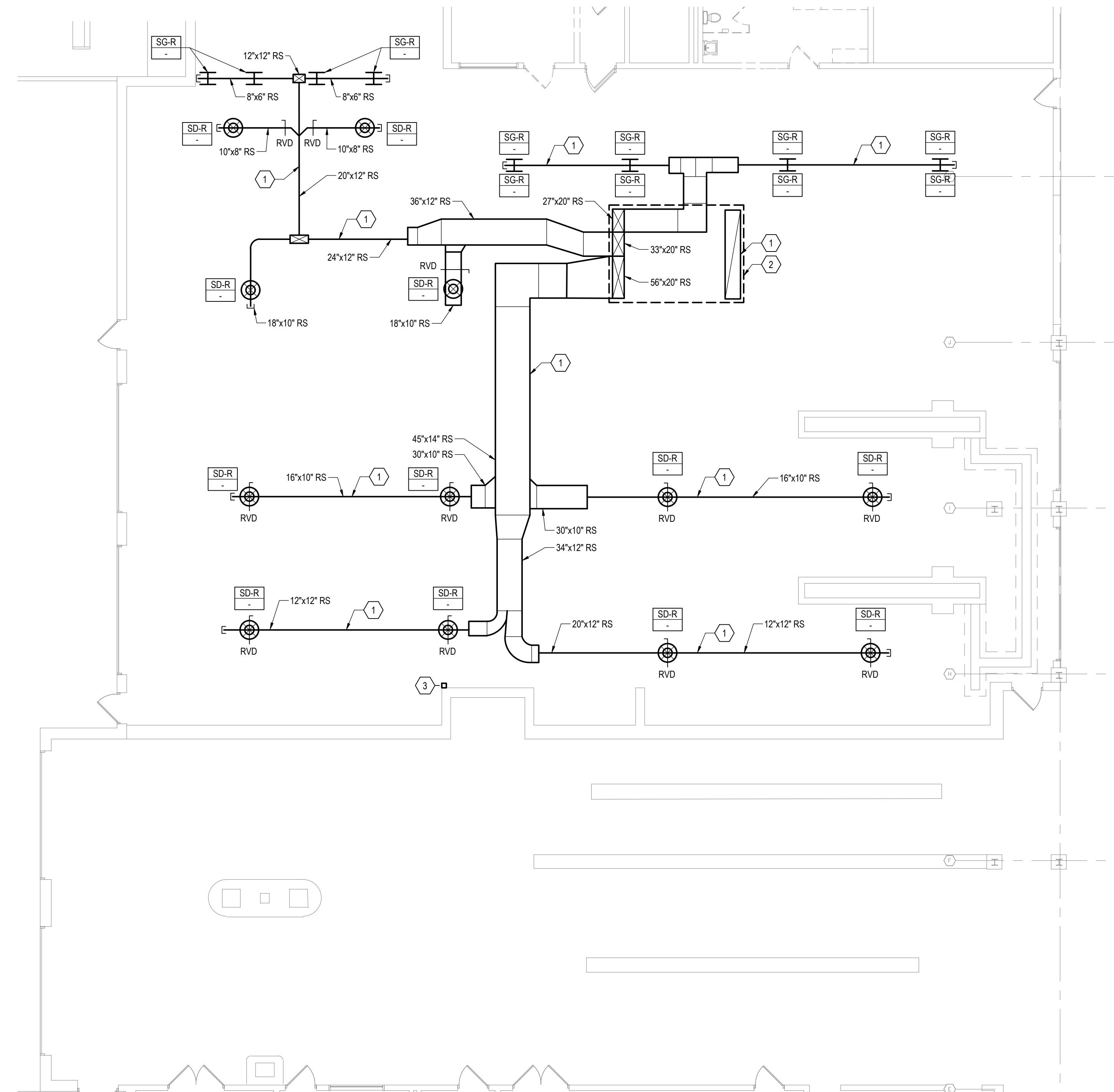
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<b>MD101</b>

### GENERAL NOTES

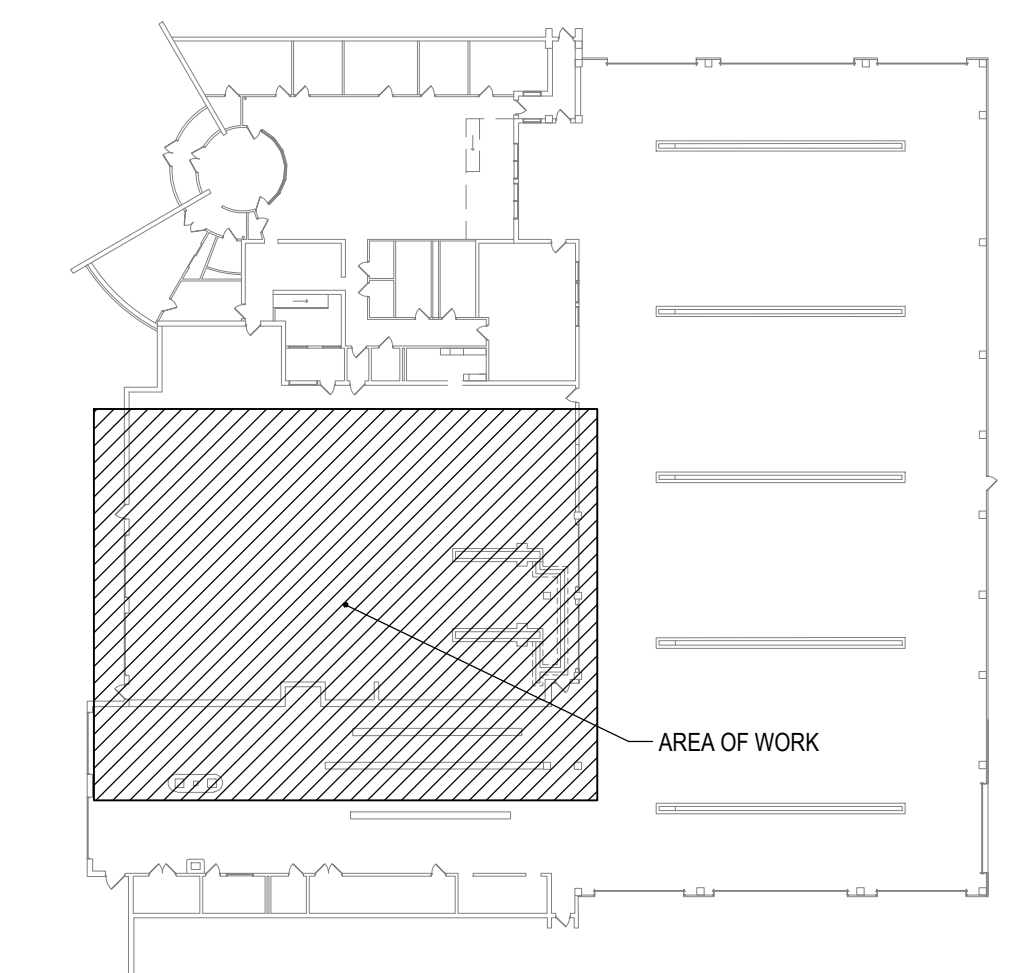
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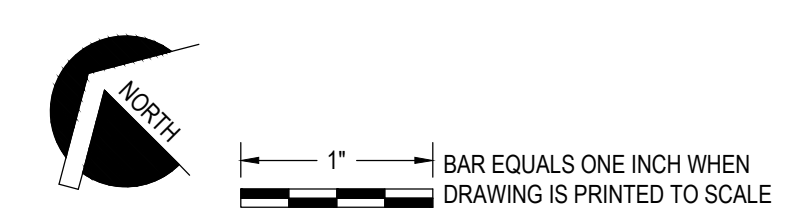
- REMOVE DUCTWORK, ASSOCIATED DUCTWORK ACCESSORIES, HANGERS AND SUPPORTS COMPLETE. REMOVE DUCTWORK BACK TO ROOFTOP EQUIPMENT HV-3. REMOVE MISCELLANEOUS STEEL, DIFFUSERS, GRILLES AND REGISTERS ASSOCIATED WITH THE HV-3 DUCTWORK SYSTEM.
- HV-3 ON ROOF ABOVE. REMOVE ROOFTOP UNIT. COORDINATE PATCHING OF ROOF CURBS AND OPENINGS WITH GENERAL CONTRACTOR.
- REMOVE WALL MOUNTED CONTROLS AND WIRING BACK TO CONTROLLER ASSOCIATED WITH HV-3.



**1 PARTIAL FIRST FLOOR DUCTWORK REMOVAL PLAN**  
SCALE: 1/8" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



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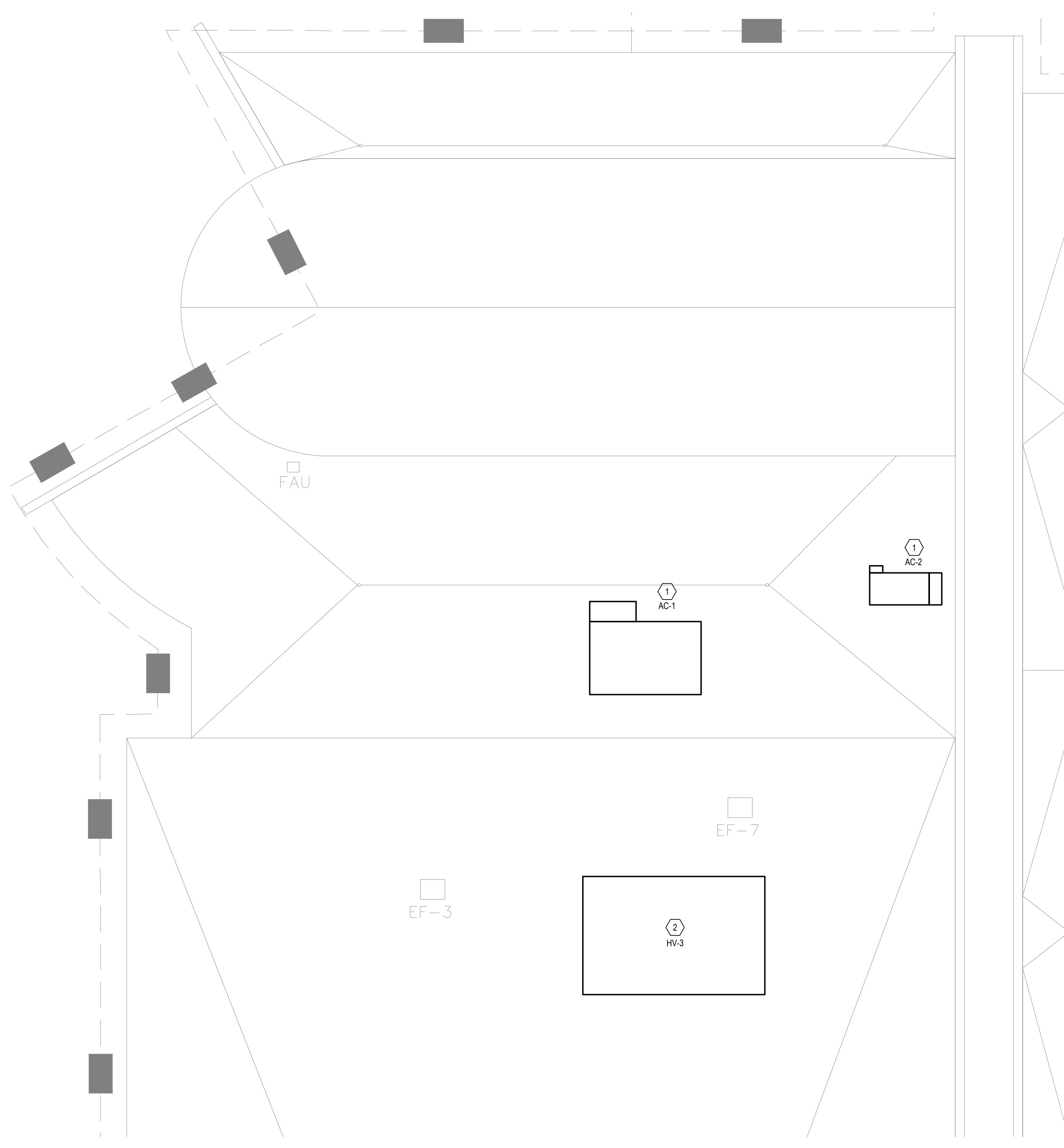
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FACILITY RENOVATIONS PHASE II  
**PARTIAL FIRST FLOOR DUCTWORK REMOVAL PLAN**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

MD102

FILE: R:\PROJECTS\8182 - DUTCHESS COUNTY PUBLIC TRANSPORTATION FACILITY RENOVATION\ CAD\8182 - MD103.DWG  
 USER: NICHOLAS DELPRADO  
 PLOTTED: 2/5/2024 12:38:12 PM  
 SAVER: 1/10/2024 2:44:46 PM



**1 PARTIAL ROOF MECHANICAL REMOVAL PLAN**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

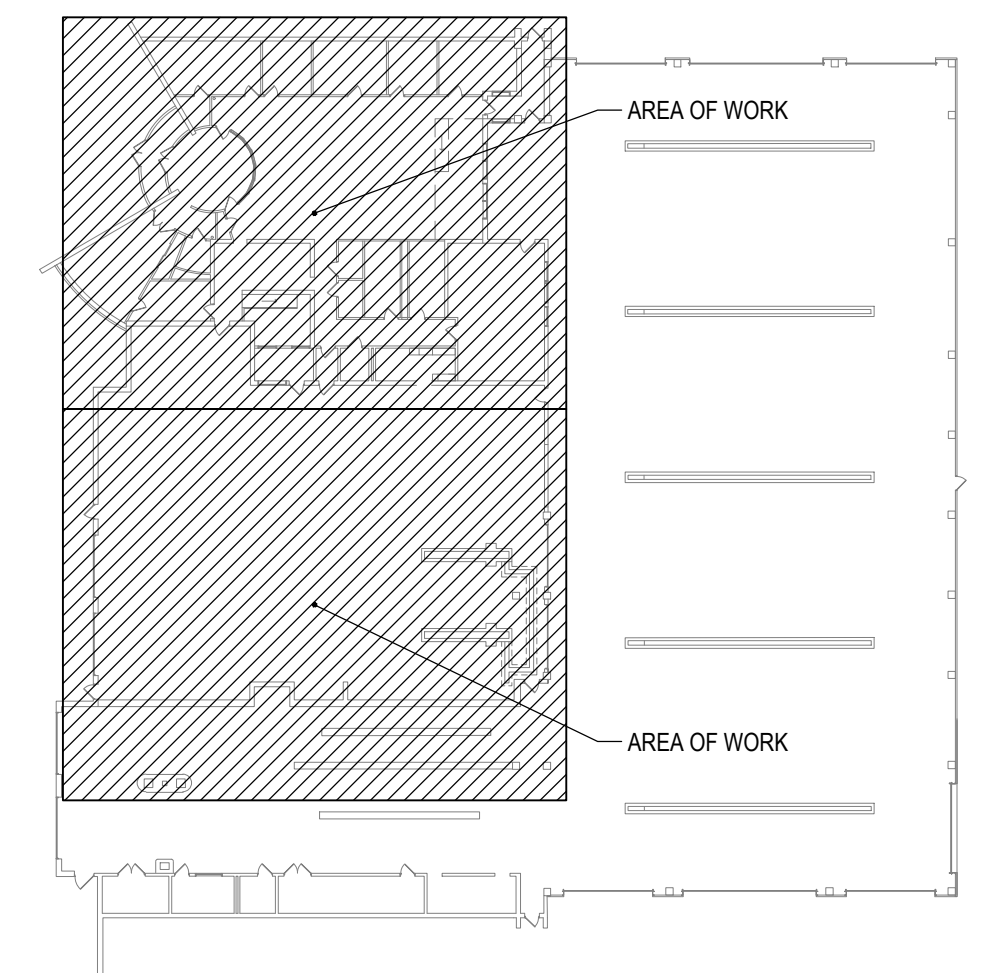
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO INITIATING WORK FOR THIS PROJECT. CONTRACT DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND FIELD INVESTIGATION. NOTIFY THE OWNER'S REPRESENTATIVE OF INCONSISTENCIES IDENTIFIED BETWEEN THE CONTRACT DRAWINGS AND FIELD CONDITIONS THAT IMPACT THE ABILITY TO PERFORM THE WORK ON THE CONTRACT DOCUMENTS.
- PERFORM CUTTING AND PATCHING REQUIRED FOR THE WORK, UNLESS OTHERWISE NOTED. PATCHING SHALL MATCH SURROUNDING EXISTING SURFACES IN KIND. PROVIDE FIRESTOPPING FOR PENETRATIONS THROUGH INTERIOR WALLS.
- COORDINATE UTILITY SHUT DOWNS WITH OWNER'S REPRESENTATIVE.

**KEYED NOTES**

- REMOVE EXISTING ROOFTOP UNIT AND CURB ADAPTER. ROOF CURB AND FLASHING SHALL BE REMOVED BY THE GENERAL CONTRACTOR. DISCONNECT DUCTWORK IN THE CEILING SPACE BELOW. REFER TO MD101 FOR ADDITIONAL INFORMATION. DUCT MOUNTED SMOKE DETECTOR SHALL REMAIN. ROOF PENETRATION SHALL REMAIN FOR REUSE BY THE REPLACEMENT ROOFTOP UNIT. REFER TO REFRIGERANT REMOVAL NOTES ON THE DRAWING IN REGARDS TO REMOVING/RECYCLING REFRIGERANT FROM THE ROOFTOP UNITS
- REMOVE EXISTING ROOFTOP UNIT. CURB TO REMAIN AND CAPPED BY THE GENERAL CONTRACTOR. REMOVE DUCTWORK IN THE CEILING SPACE BELOW ENTIRELY. REFER TO DRAWING MD102 FOR ADDITIONAL INFORMATION. REFER TO A-DRAWINGS FOR ADDITIONAL INFORMATION.

**REFRIGERANT REMOVAL NOTES**

- AC-1 & AC-2 - CONTRACTOR TO RECYCLE R-22 REFRIGERANT
- RECYCLE:
    - PROVIDE COPY OF THE COMPANY LICENSE AND TECHNICIAN LICENSE COMPLETING THE REFRIGERANT WORK.
    - CONTRACTOR IS RESPONSIBLE FOR RECOVERY, STORAGE, AND TRANSPORTATION OF THE REFRIGERANT TO BE RECYCLED.
    - IF A LEAK OCCURS DURING RECOVERY, NOTIFY DIRECTOR'S REPRESENTATIVE AND DOCUMENT QUANTITY OF LEAK, TYPE OF REFRIGERANT, UNIT NUMBER, LOCATION OF LEAK, DATE, AND TIME. REPORT LEAK TO EPA/DEC IN COORDINATION WITH DIRECTOR'S REPRESENTATIVE.

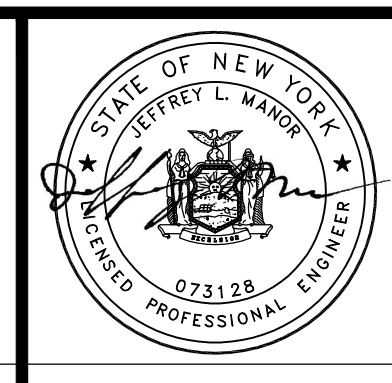


**KEYPLAN**  
 SCALE: NOT TO SCALE



SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	CHS
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CHECKED BY:	CHS



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FACILITY RENOVATIONS PHASE II  
**PARTIAL ROOF MECHANICAL REMOVAL PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED
CONTRACT No.: RFB-DCB-04-24
MJ PROJ. No.: 1636.01
DATE: 2/5/2024

**MD103**

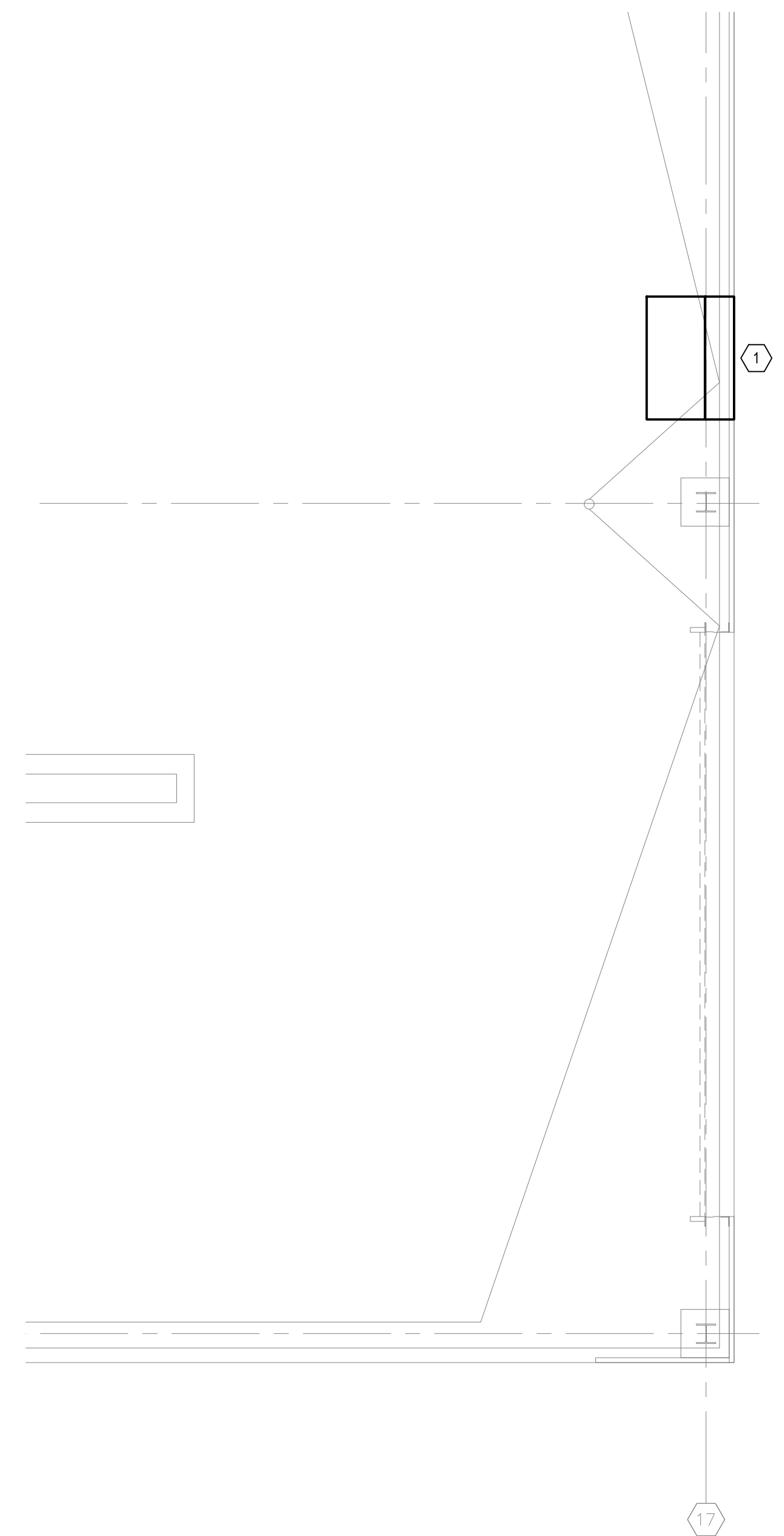
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### GENERAL NOTES

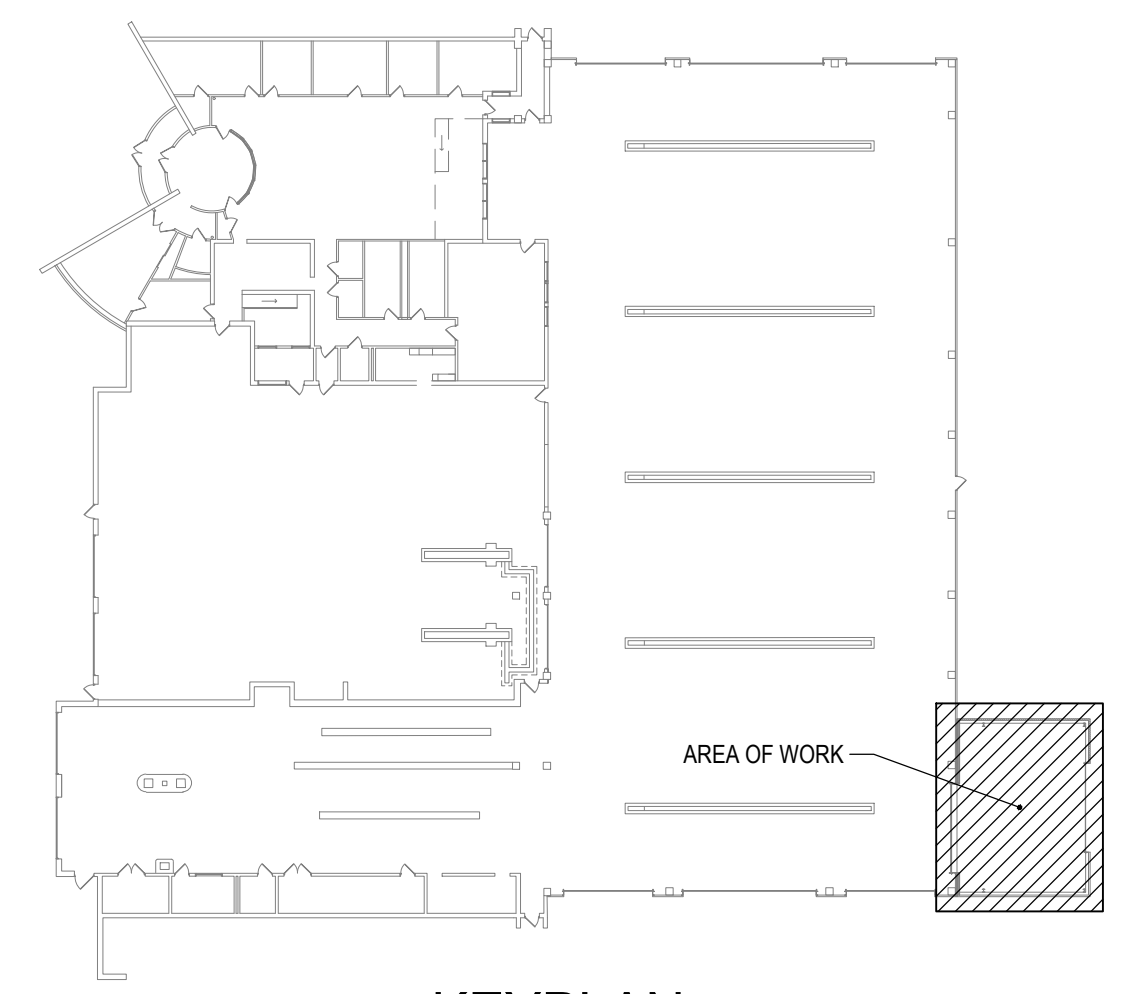
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3. COORDINATE UTILITY SHUT DOWNS WITH OWNER'S REPRESENTATIVE.

### KEYED NOTES

- ① REMOVE WALL MOUNTED PROPELLER TYPE EXHAUST FAN, REFER TO A-DRAWINGS FOR ADDITIONAL INFORMATION.



**1 STORAGE ADDITION MECHANICAL REMOVAL PLAN**  
 SCALE: 1/4" = 1'-0"



**KEYPLAN**  
 SCALE: NOT TO SCALE



SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER: MTF  
 CHIEF DESIGNER: NGC  
 DESIGNED BY: CHS  
 DRAWN BY: CHS  
 CHECKED BY: CHS



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FACILITY RENOVATIONS PHASE II  
**STORAGE ADDITION MECHANICAL REMOVAL PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024

**MD104**

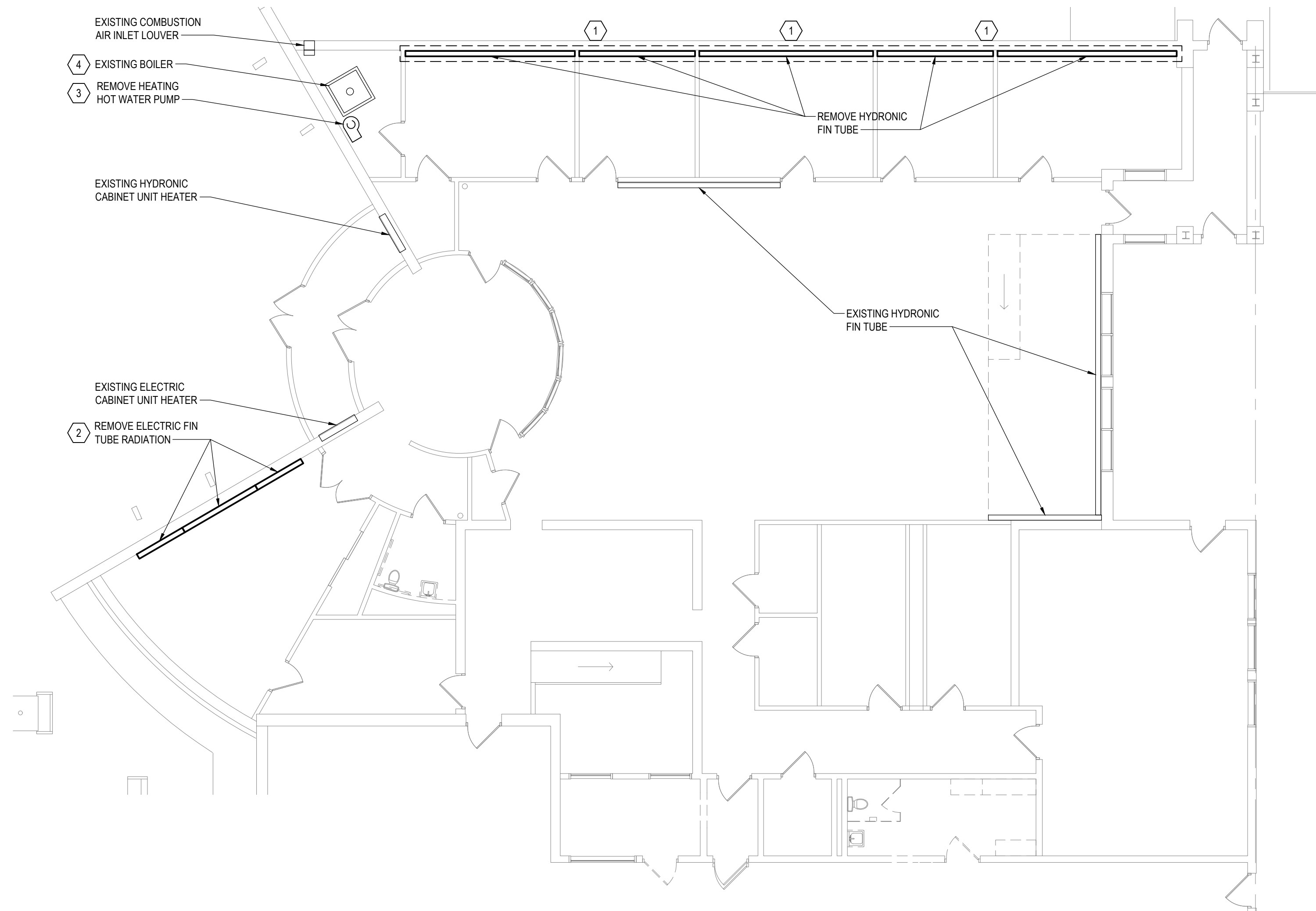


## GENERAL NOTES

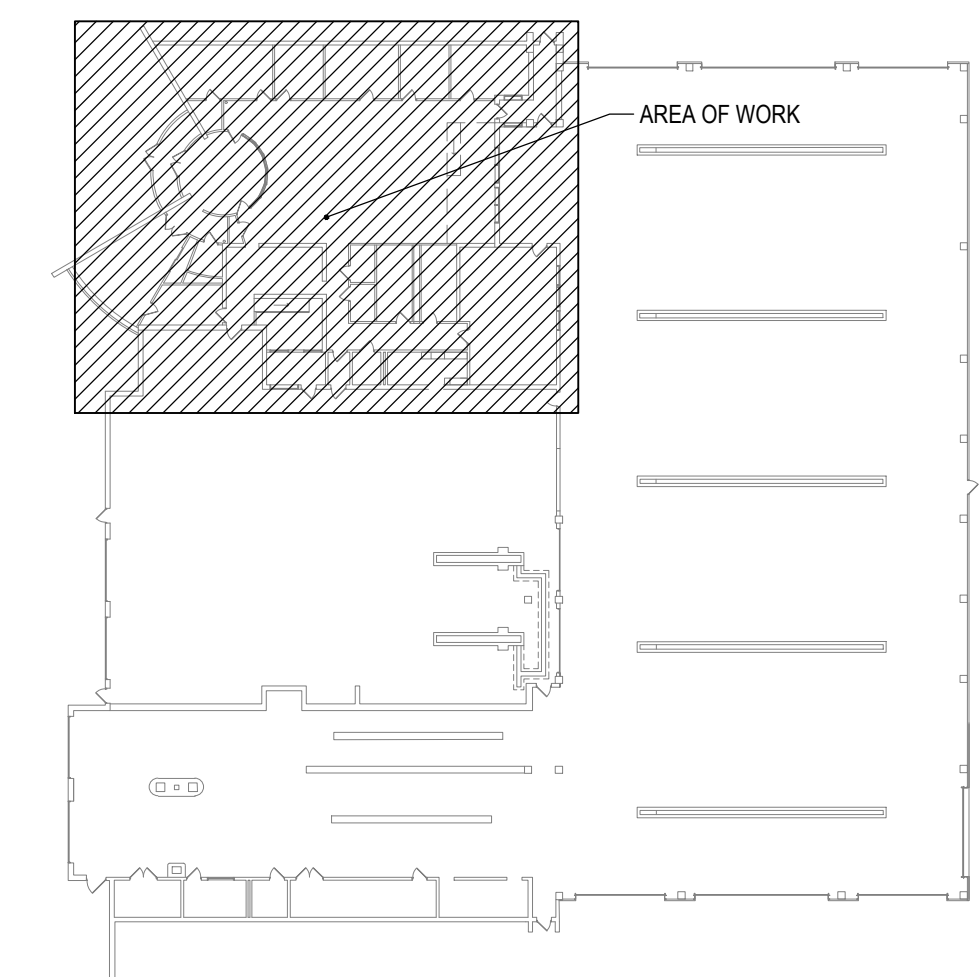
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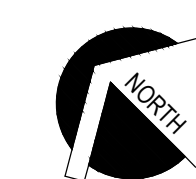
- REMOVE HYDRONIC FIN TUBE ELEMENT, PIPING, HANGERS, AND ENCLOSURE. REFER TO PIPING DIAGRAM 2/M601 FOR ADDITIONAL INFORMATION.
- REMOVE THREE SECTION OF ELECTRIC FIN TUBE: 5'-0" SECTION, 8'-0" SECTION, AND 5'-0" SECTION.
- REMOVE IN-LINE HEATING HOT WATER PUMP. PUMP BOILER CONTROLS INTERLOCK SHALL REMAIN FOR THE REPLACEMENT PUMP. PRIOR TO REMOVAL, PROCURE THE SERVICES OF A BALANCING CONTRACTOR TO MEASURE THE WATER FLOW AND PRESSURE DIFFERENTIAL (GPM AND PSI) OF THE EXISTING HEATING HOT WATER PUMP AND WATER FLOW OF EACH OF THE THREE PIPING LOOPS IN THE SYSTEM (CABINET UNIT HEATER, OPEN AREA FIN TUBE, OFFICE FIN TUBE), AND SUBMIT THE REPORT FOR RECORD.
- REMOVE AND REPLACE IN-KIND EXISTING BOILER PRESSURE RELIEF VALVE. EXISTING PRESSURE RELIEF VALVE: WATTS NO. M335-M2, 3/4", 30 PSIG SETTING, RATED FOR UP TO 510,000 BTUH.



**1 PARTIAL FIRST FLOOR PIPING REMOVAL PLAN**  
SCALE: 1/8" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



1" BAR EQUALS ONE INCH WHEN DRAWING IS PRINTED TO SCALE

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USER: NICHOLAS DELPRADO

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No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	CHS
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FACILITY RENOVATIONS PHASE II  
**PARTIAL FIRST FLOOR PIPING REMOVAL PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**MD201**

## AIR BALANCING NOTES

- AC-1 & AC-2:  
BALANCE EACH UNIT'S SUPPLY DIFFUSERS, SUPPLY MAIN DUCT (AIRFLOW AND STATIC PRESSURE), AND RETURN MAIN DUCT (AIRFLOW AND STATIC PRESSURE) TO THE PRE-CONSTRUCTION VALUES. MEASUREMENTS SHALL BE TAKEN WITH ALL VAV BOXES IN THEIR FULLY OPEN POSITION AND MINIMUM AIRFLOW POSITION. SUBMIT THE TAB REPORT.

## GENERAL NOTES

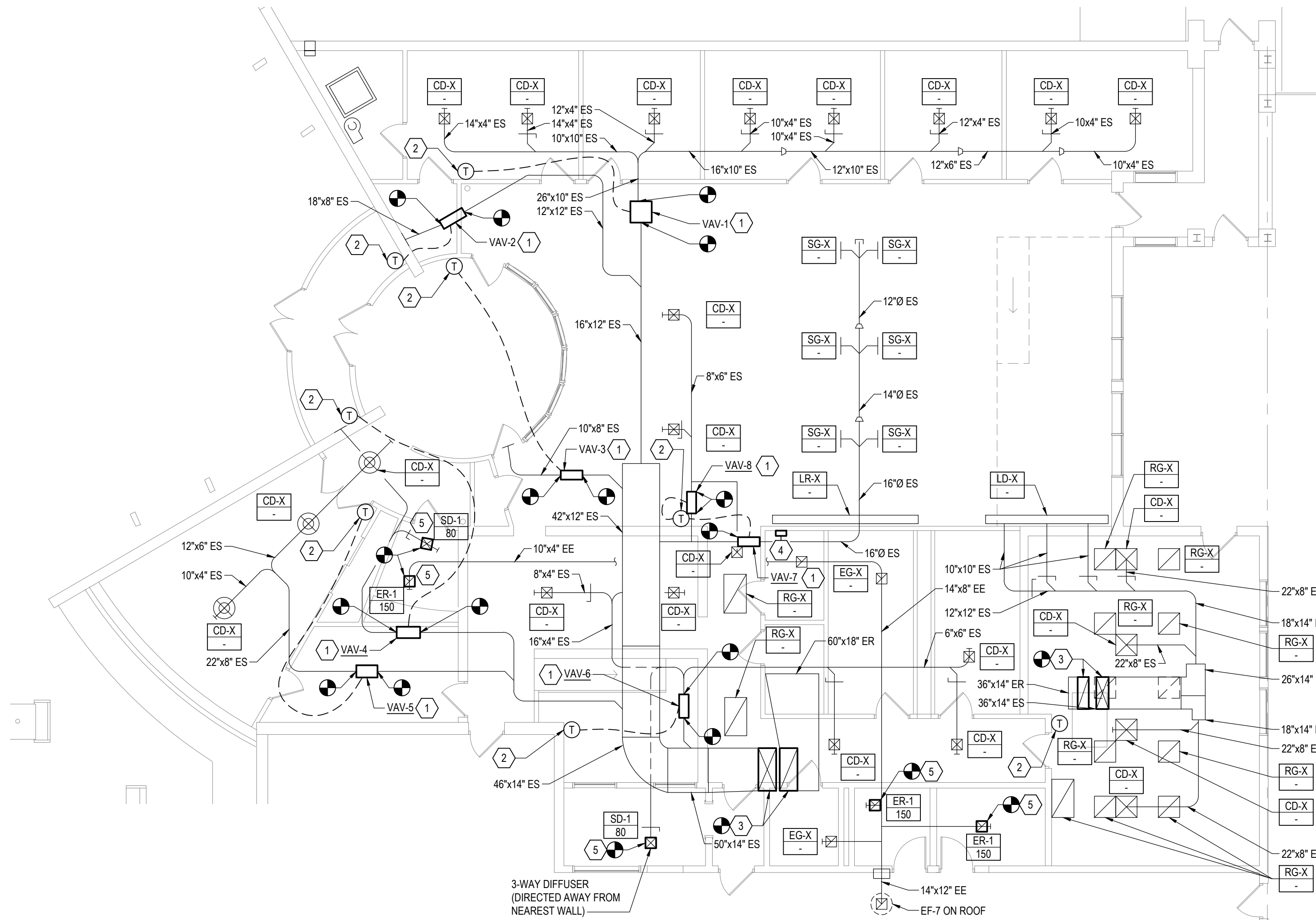
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## KEYED NOTES

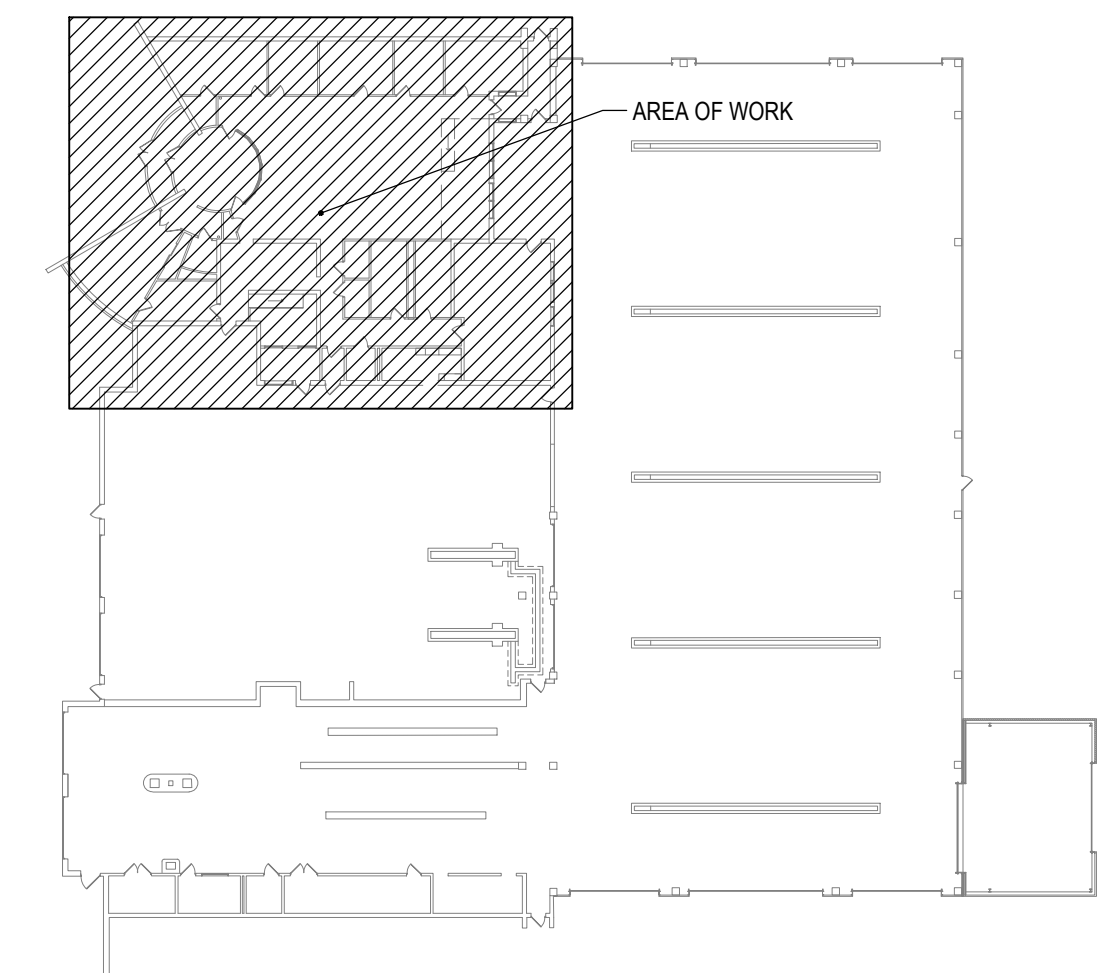
- PROVIDE VAV BOX AND CONNECT TO EXISTING DUCTWORK AT INLET AND OUTLET. MODIFY DUCTWORK AS NECESSARY TO CONNECT TO THE VAV BOX. RECONNECT THE EXISTING LOW VOLTAGE/CONTROL WIRING TO THE VAV BOX.
- PROVIDE BAS TEMPERATURE SENSOR AND EXTEND CONTROL WIRING TO SERVE ITS ASSOCIATED VAV BOX OR ROOFTOP UNIT. PROVIDE PERMANENT PLASTIC ENGRAVED TAG MOUNTED ABOVE THE BAS TEMPERATURE SENSOR STATING THE EQUIPMENT IT SERVES, EXAMPLE, "AC-1, VAV-1" OR "AC-2".
- CONNECT DUCTWORK TO THE ROOFTOP UNIT ABOVE AND PROVIDE FLEXIBLE DUCT CONNECTION.
- EXISTING BUILDING AUTOMATION SYSTEM CONTROLLER. SEE BUILDING AUTOMATION NOTES ON THIS DRAWING FOR ADDITIONAL INFORMATION.
- PROVIDE GRILLE/DIFFUSER AND CONNECT TO EXISTING DUCTWORK ABOVE THE CEILING. COORDINATE GRILLE/DIFFUSER INSTALLATION WITHIN THE CEILING WITH THE GENERAL CONTRACTOR.

## BUILDING AUTOMATION NOTES

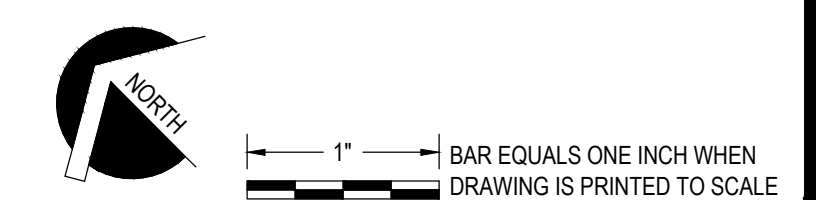
- REFER TO DRAWING M801 FOR CONTROL DIAGRAMS AND ADDITIONAL BUILDING AUTOMATION NOTES.



**1 PARTIAL FIRST FLOOR DUCTWORK PLAN**  
SCALE: 1/8" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



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PROJ. MANAGER: MTF  
CHIEF DESIGNER: NGC  
DESIGNED BY: CHS  
DRAWN BY: CHS  
CHECKED BY: CHS



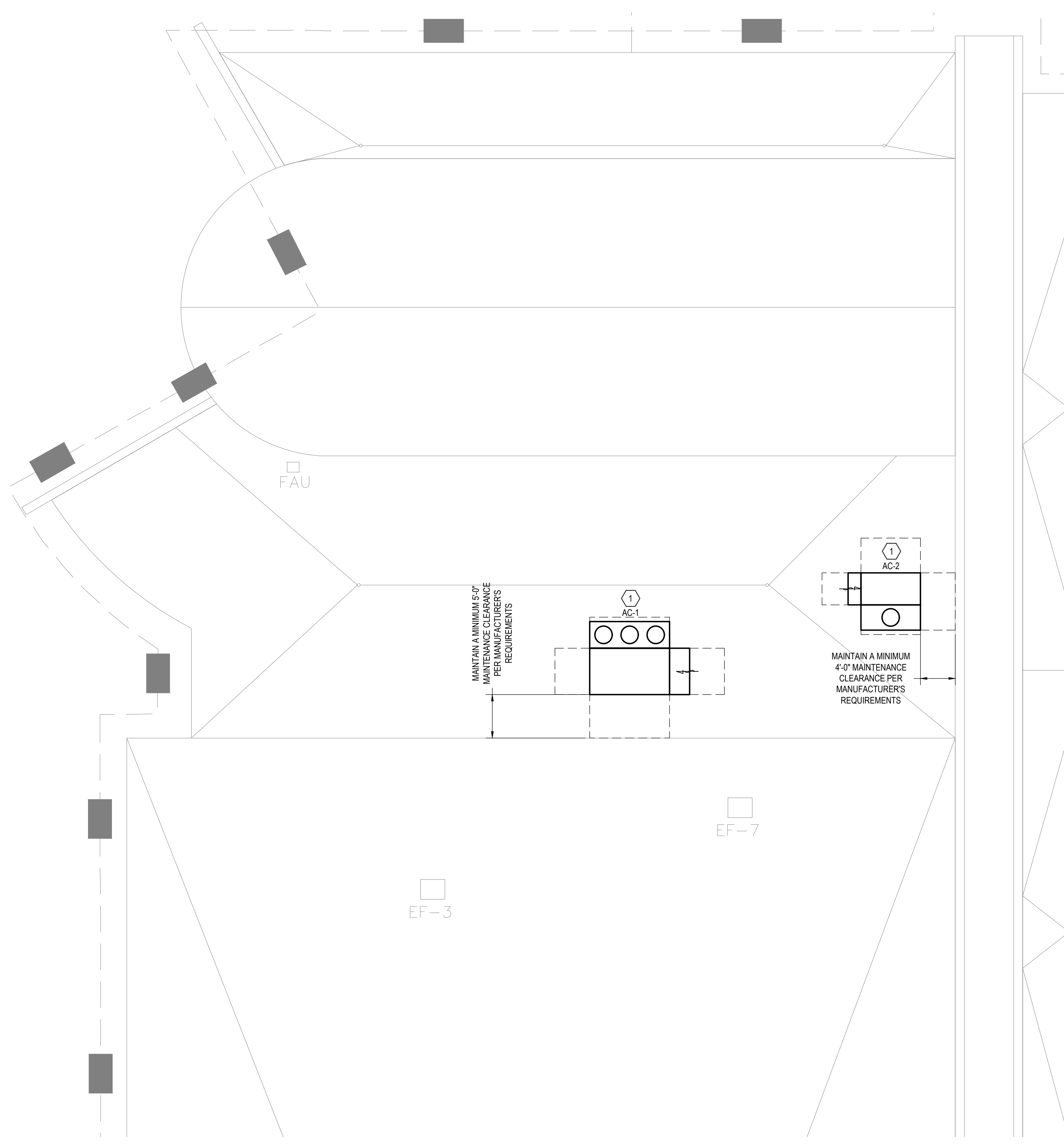
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**PARTIAL FIRST FLOOR DUCTWORK PLAN**  
  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
  
**M101**

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 USER: NICHOLAS DELPRADO  
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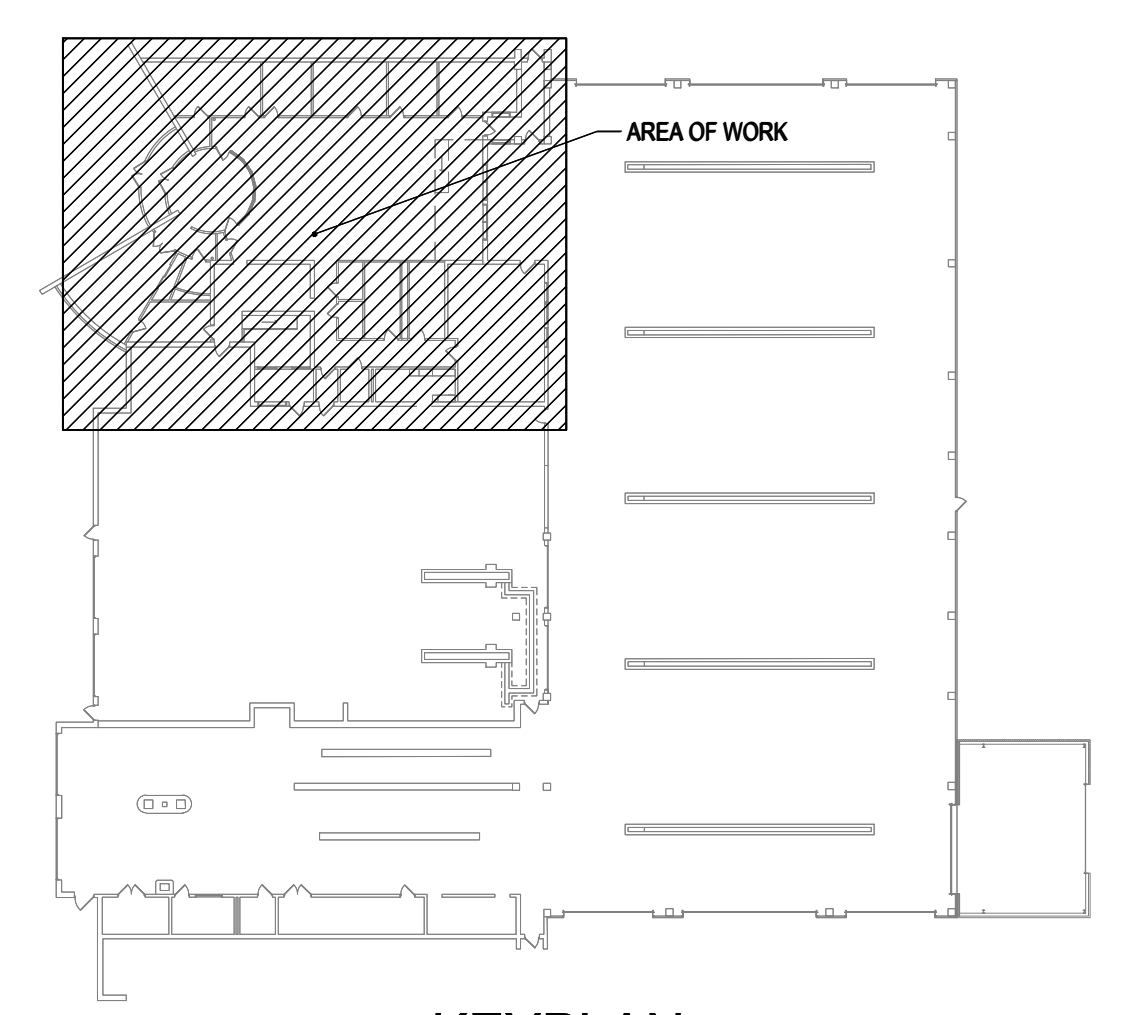
**1 PARTIAL ROOF MECHANICAL PLAN**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

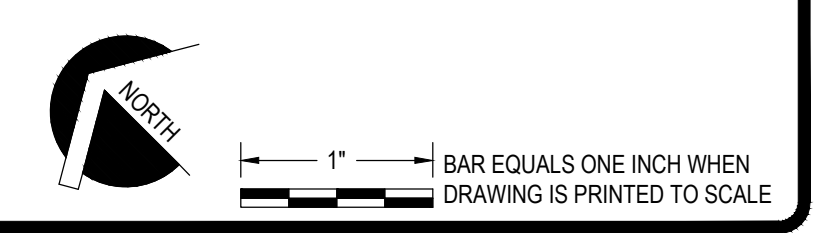
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**KEYED NOTES**

- 1** PROVIDE ROOFTOP UNIT WITH CUSTOM R-12 INSULATED PLENUM ROOF CURB ABOVE THE EXISTING ROOF PENETRATION THAT CONNECTS THE ROOFTOP UNITS SUPPLY/RETURN DUCT CONNECTIONS WITH THE EXISTING DUCT CONNECTION LOCATIONS THROUGH THE ROOF. FURNISH CUSTOM R-12 INSULATED PLENUM TO THE GENERAL CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR, COORDINATE INSTALLATION LOCATION. VERIFY EXISTING DUCT CONNECTION LOCATIONS THROUGH THE ROOF AND EXISTING ROOF OPENINGS PRIOR TO RELEASE OF CURB AND ROOFTOP UNIT. PROVIDE CLEARANCE TO ADJACENT STRUCTURE PER THE PLANS AND THE ROOFTOP UNIT MANUFACTURERS REQUIREMENTS. REFER TO A-DRAWINGS FOR ADDITIONAL INFORMATION.
- POSITIVELY FASTEN THE ROOFTOP UNIT TO THE ROOF CURB. PROVIDE FLEXIBLE DUCT CONNECTIONS FROM THE EXISTING DUCTWORK TO THE PLENUM ROOF CURB.



**KEYPLAN**  
 SCALE: NOT TO SCALE



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 POUGHKEEPSIE, NEW YORK

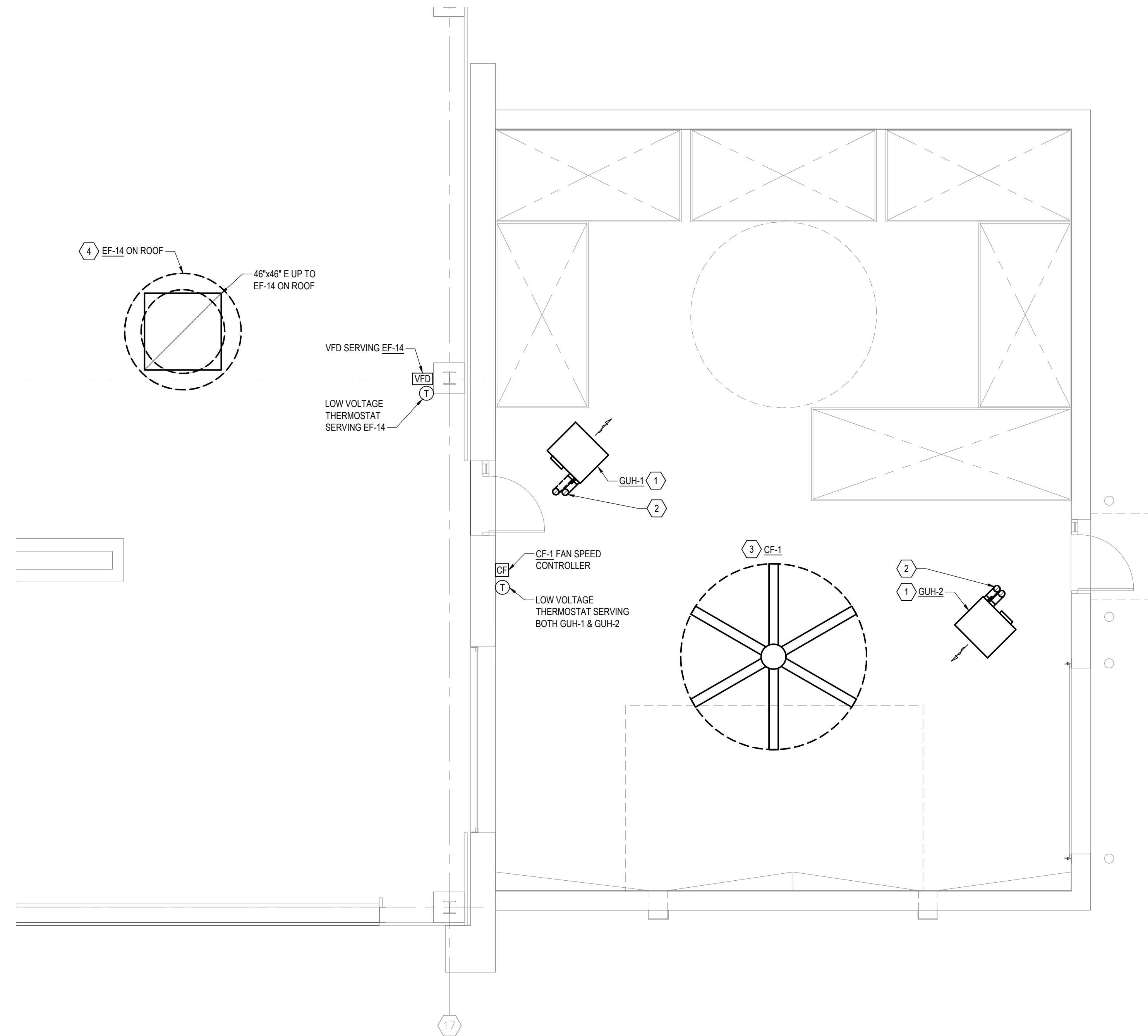
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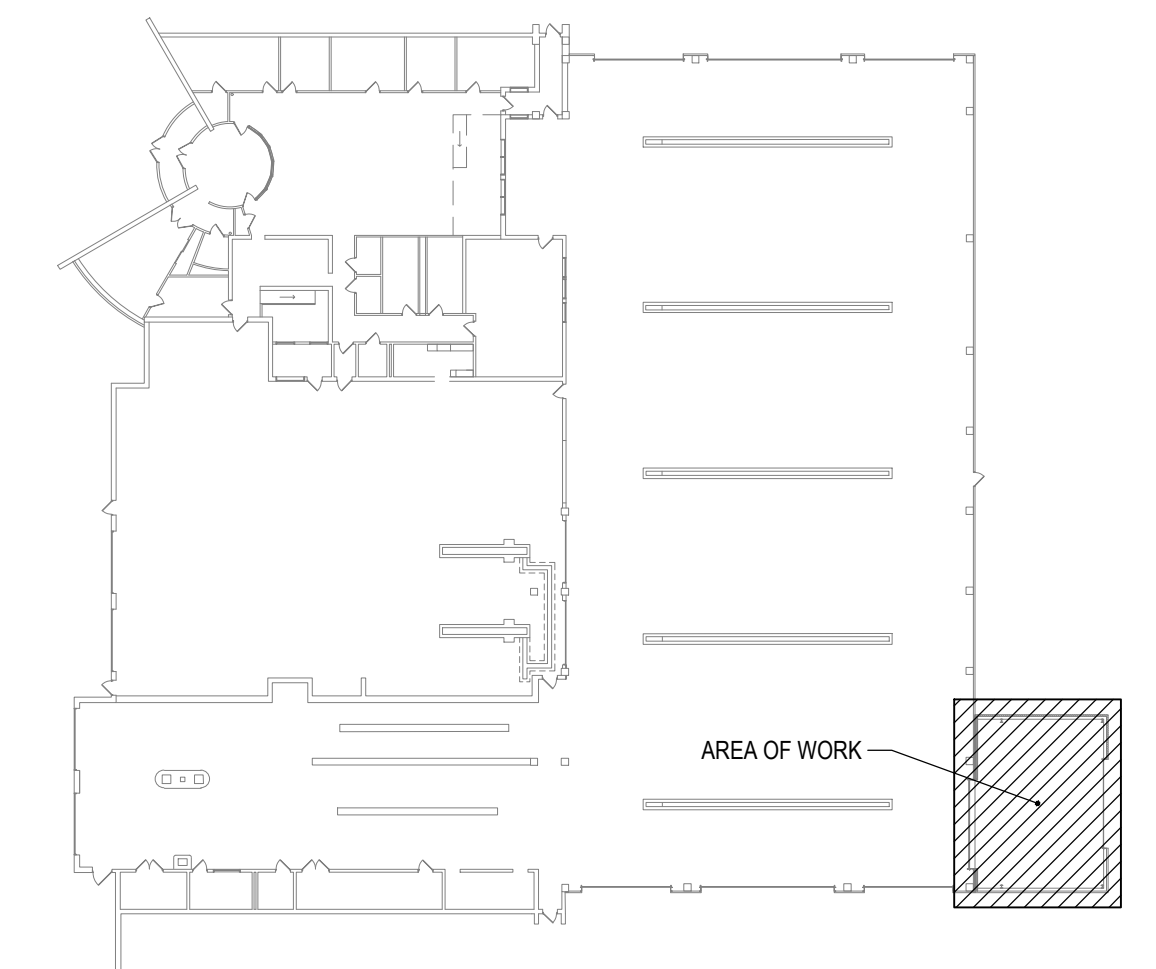
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- MOUNT THERMOSTATS AT 4'-0" ABOVE FINISHED FLOOR.

## KEYED NOTES

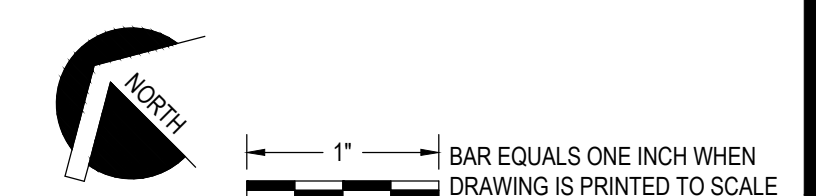
- GAS UNIT HEATER. INSTALL AT 10' ABOVE FINISHED FLOOR. REFER DETAIL 1/M601 FOR ADDITIONAL INFORMATION AND REFER TO PLUMBING DRAWINGS FOR NATURAL GAS PIPING CONNECTION.
- 4"Ø VENT AND COMBUSTION AIR INTAKE ROUTED TO COMBUSTION AIR INLET BOX THROUGH THE ROOF. FURNISH COMBUSTION AIR INLET BOX TO THE GENERAL CONTRACTOR FOR INSTALLATION. ROOFING WORK (PENETRATION, BOOT AND FLASHING) BY THE GENERAL CONTRACTOR. REFER TO DETAIL 1/M601 FOR ADDITIONAL INFORMATION.
- HIGH VOLUME LOW SPEED (HVLS) DESTRATIFICATION CEILING FAN. MOUNT FAN AT 14' ABOVE FINISHED FLOOR. PROVIDE SAFETY CLEARANCE AND INSTALL IN ACCORDANCE WITH APPROVED FAN MANUFACTURER'S GUIDELINES.
- PROVIDE ROOF MOUNTED EXHAUST FAN ON MANUFACTURER'S ROOF CURB. FURNISH ROOF CURB TO THE GENERAL CONTRACTOR. LOCATE ROOF CURB SUCH THAT IT LANDS BETWEEN EXISTING ROOF DECK STRUCTURAL STEEL, EXHAUST OUTLET IS MINIMUM 10'-0" FROM AN OUTSIDE AIR INLET, AND 10'-0" FROM THE ROOF EDGE. COORDINATE ROOF CURB INSTALLATION AND FLASHING INTO THE EXISTING ROOFING SYSTEM WITH THE GENERAL CONTRACTOR. REFER TO THE S-DRAWINGS AND A-DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE 46"x46" DUCT FROM 2'-0" BELOW THE BOTTOM OF THE ROOF DECK UP TO THE ROOF MOUNTED EXHAUST FAN. REFER TO DETAIL 4/M-601 FOR ADDITIONAL INFORMATION.



**1 STORAGE ADDITION MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



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FACILITY RENOVATIONS PHASE II  
**STORAGE ADDITION MECHANICAL PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

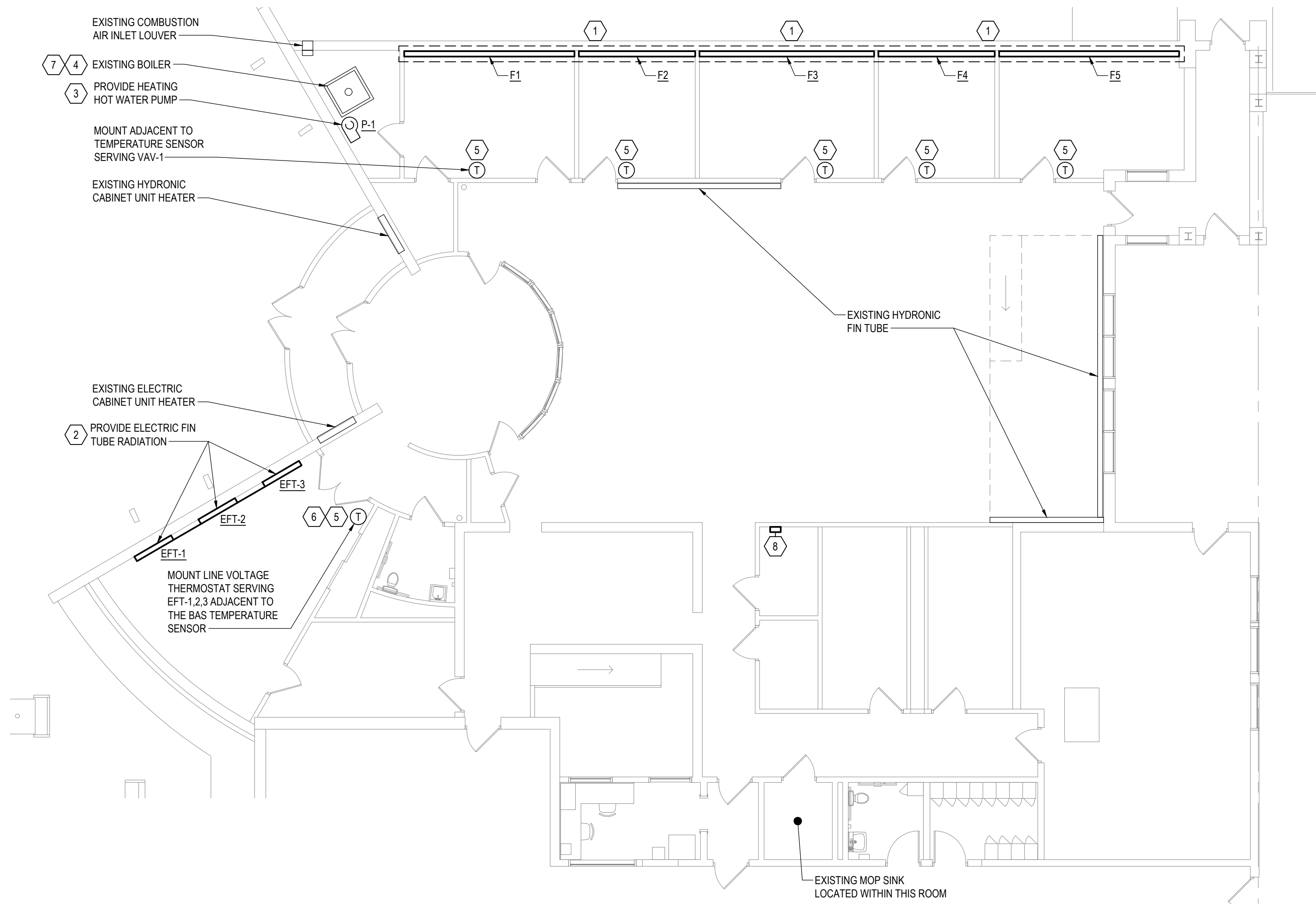
**M103**

## GENERAL NOTES

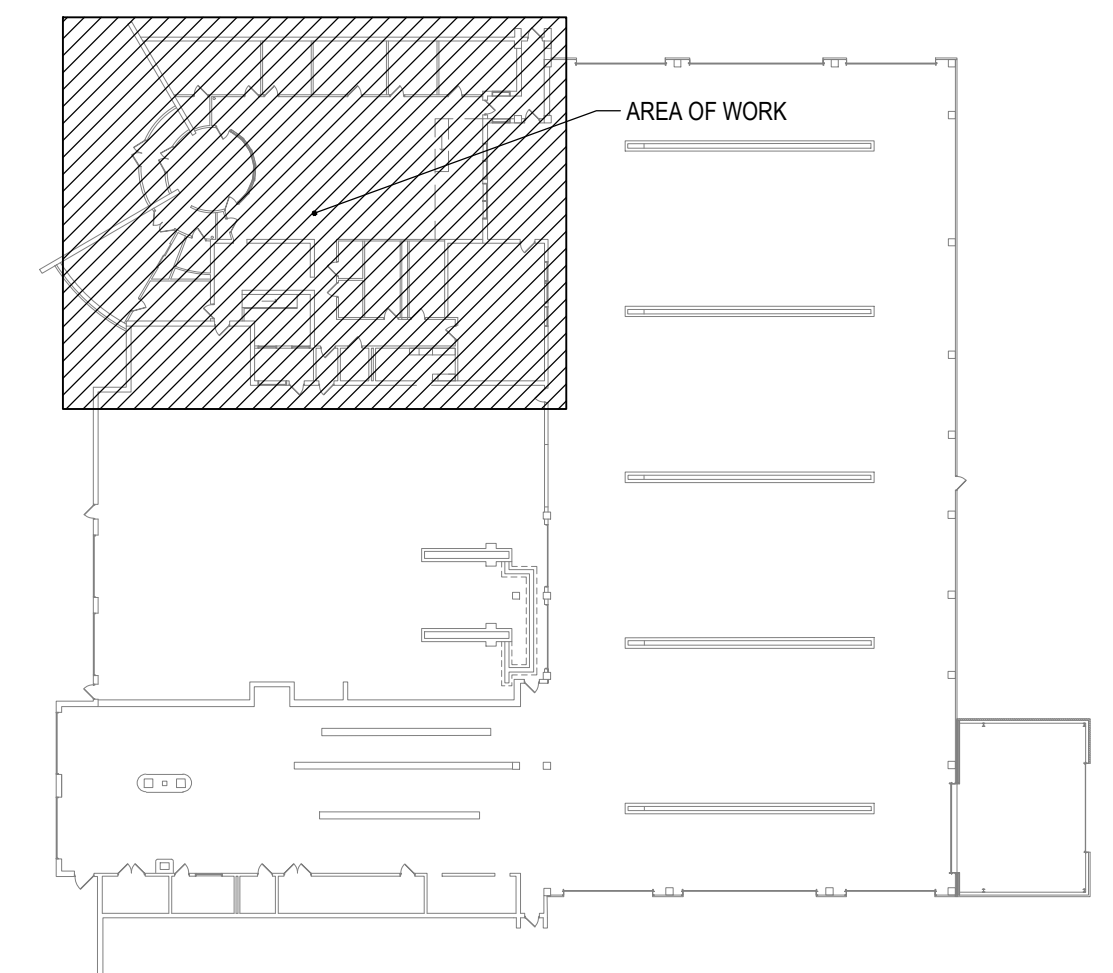
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO INITIATING WORK FOR THIS PROJECT. CONTRACT DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND FIELD INVESTIGATION. NOTIFY THE OWNER'S REPRESENTATIVE OF INCONSISTENCIES IDENTIFIED BETWEEN THE CONTRACT DRAWINGS AND FIELD CONDITIONS THAT IMPACT THE ABILITY TO PERFORM THE WORK ON THE CONTRACT DOCUMENTS.
- PERFORM CUTTING AND PATCHING REQUIRED FOR THE WORK, UNLESS OTHERWISE NOTED. PATCHING SHALL MATCH SURROUNDING EXISTING SURFACES IN KIND. PROVIDE FIRESTOPPING FOR PENETRATIONS THROUGH INTERIOR WALLS.
- COORDINATE UTILITY SHUT DOWNS WITH OWNER'S REPRESENTATIVE.
- EQUIPMENT IDENTIFICATION: PROVIDE PERMANENT ENGRAVED HARD PLASTIC 1"x2.5" EQUIPMENT TAGS, BLACK BACKGROUND WITH WHITE ENGRAVED LETTERING, RATED FOR INDOOR OR OUTDOOR USE FOR THE FOLLOWING EQUIPMENT: ROOFTOP UNITS, VAV BOXES, PUMPS, CEILING FAN, EXHAUST FANS, AND UNIT HEATERS.
- MOUNT THERMOSTATS AT 4'-0" ABOVE FINISHED FLOOR.
- REFER TO E-DRAWINGS FOR LOCATIONS OF THE ABOVE CEILING CIRCUITS WITHIN JUNCTION BOXES TO POWER CONTROLS TRANSFORMERS PROVIDED BY THIS CONTRACT.

## KEYED NOTES

- PROVIDE HEATING HOT WATER PIPING, VALVING, FIN TUBE ELEMENTS, ENCLOSURES WITH PIPE HANGERS AND BACK PLATE, REFER TO PIPING DIAGRAM 3/M601 FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION OF FIN TUBE ELEMENTS WITH EXISTING STRUCTURAL COLUMNS, AT COLUMNS PROVIDE ENCLOSURE END CAPS AND ROUTE THE PIPING BEHIND THE COLUMN TIGHT TO THE EXISTING WALL.
- PROVIDE THREE SECTION OF 4'-0" ELECTRIC FIN TUBE, SPACED 3'-0" APART. PROVIDE MANUFACTURER'S 3'-0" BLANK SECTION/WIREWAYS COVERS TO CONCEAL THE WIRING BETWEEN THE HEATERS.
- PROVIDE IN-LINE HEATING HOT WATER PUMP, TIE INTO THE EXISTING PUMP BOILER CONTROLS INTERLOCK. PROCURE THE SERVICES OF A BALANCING CONTRACTOR TO BALANCE THE WATER FLOW AND PRESSURE DIFFERENTIAL (GPM AND PSI) OF THE EXISTING HEATING HOT WATER PUMP AND WATER FLOW EACH OF THE THREE PIPING LOOPS IN THE SYSTEM (CABINET UNIT HEATER, OPEN AREA FIN TUBE, OFFICE FIN TUBE), AND SUBMIT THE REPORT FOR RECORD. THE TWO LOOPS THAT ARE NOT MODIFIED SHALL BE BALANCED TO THE PRE-CONSTRUCTION VALUES, THE OFFICE FIN TUBE LOOP SHALL BE BALANCED TO 5 GPM.
- PROVIDE IN-KIND REPLACEMENT BOILER PRESSURE RELIEF VALVE. EXISTING PRESSURE RELIEF VALVE: WATTS NO. M335-M2, 3/4", 30 PSIG SETTING, RATED FOR UP TO 510,000 BTUH.
- PROVIDE PERMANENT PLASTIC ENGRAVED TAG MOUNTED ABOVE THE TEMPERATURE SENSOR / THERMOSTAT STATING THE EQUIPMENT IT SERVES; EXAMPLE: "F1 HEAT" OR "EFT-1,2,3 HEAT".
- PROVIDE LINE VOLTAGE THERMOSTAT SIZED TO SERVE ALL THREE ELECTRIC HEATERS EFT-1,2,3. REFER TO E-DRAWINGS FOR ADDITIONAL WIRING INFORMATION.
- MONITOR THE EXISTING BOILER SYSTEM BY THE BUILDING AUTOMATION SYSTEM, REFER TO KEYED NOTES ON DRAWING M801 FOR ADDITIONAL INFORMATION.
- EXISTING BUILDING AUTOMATION SYSTEM CONTROLLER. REFER TO DRAWING M801 FOR CONTROL DIAGRAMS AND ADDITIONAL BUILDING AUTOMATION NOTES.



**1 PARTIAL FIRST FLOOR PIPING PLAN**  
SCALE: 1/8" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



FILE: R:\PROJECTS\182 - DUTCHESS COUNTY PUBLIC TRANSPORTATION FACILITY RENOVATION\ CAD\182 - M201.DWG  
USER: NICHOLAS DELPRADO  
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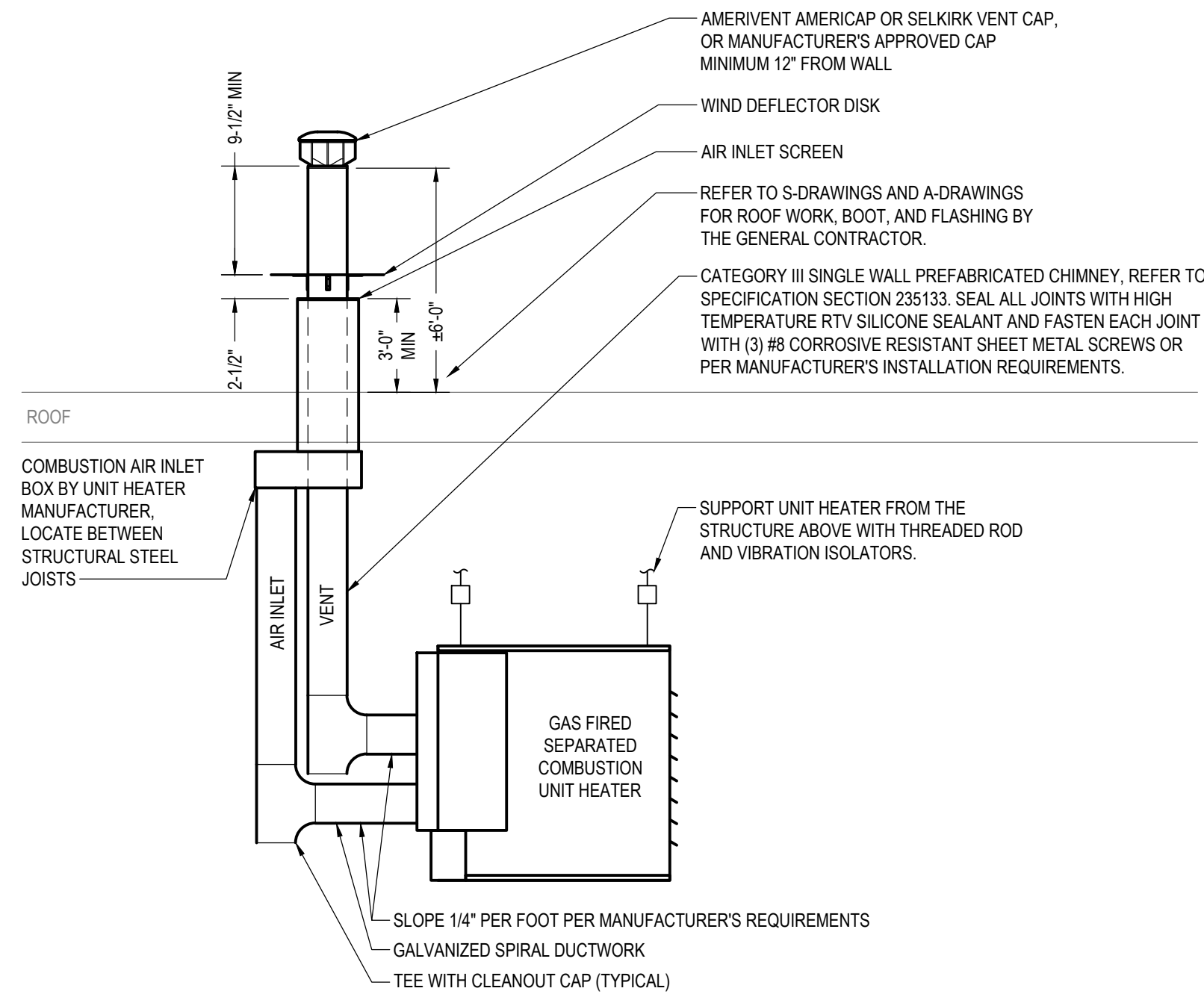


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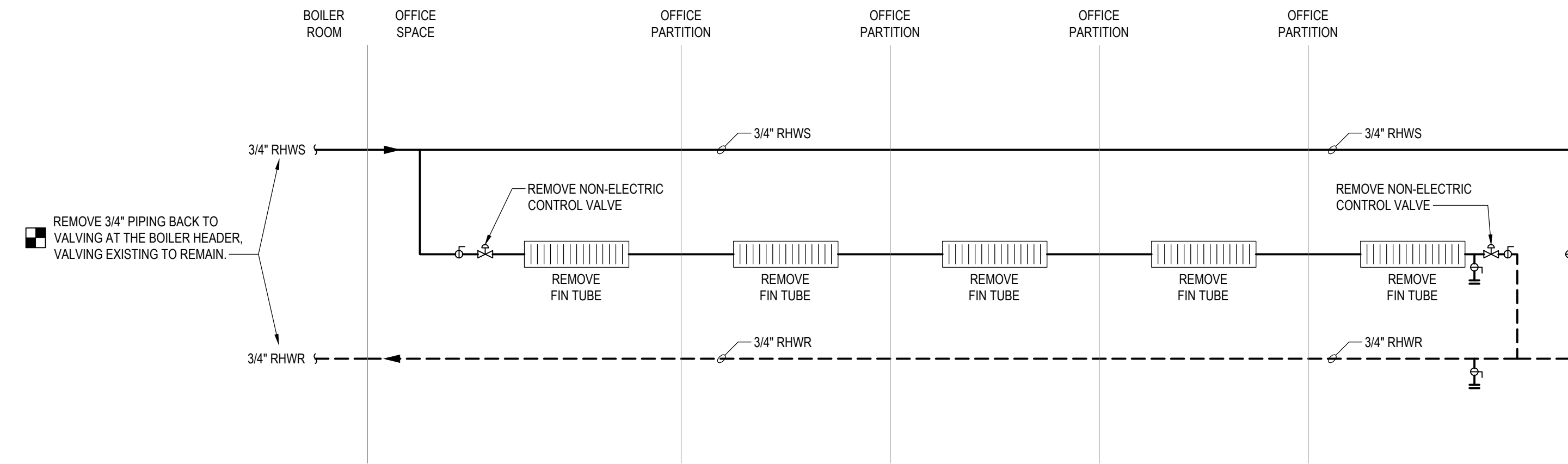
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FACILITY RENOVATIONS PHASE II  
**PARTIAL FIRST FLOOR PIPING PLAN**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

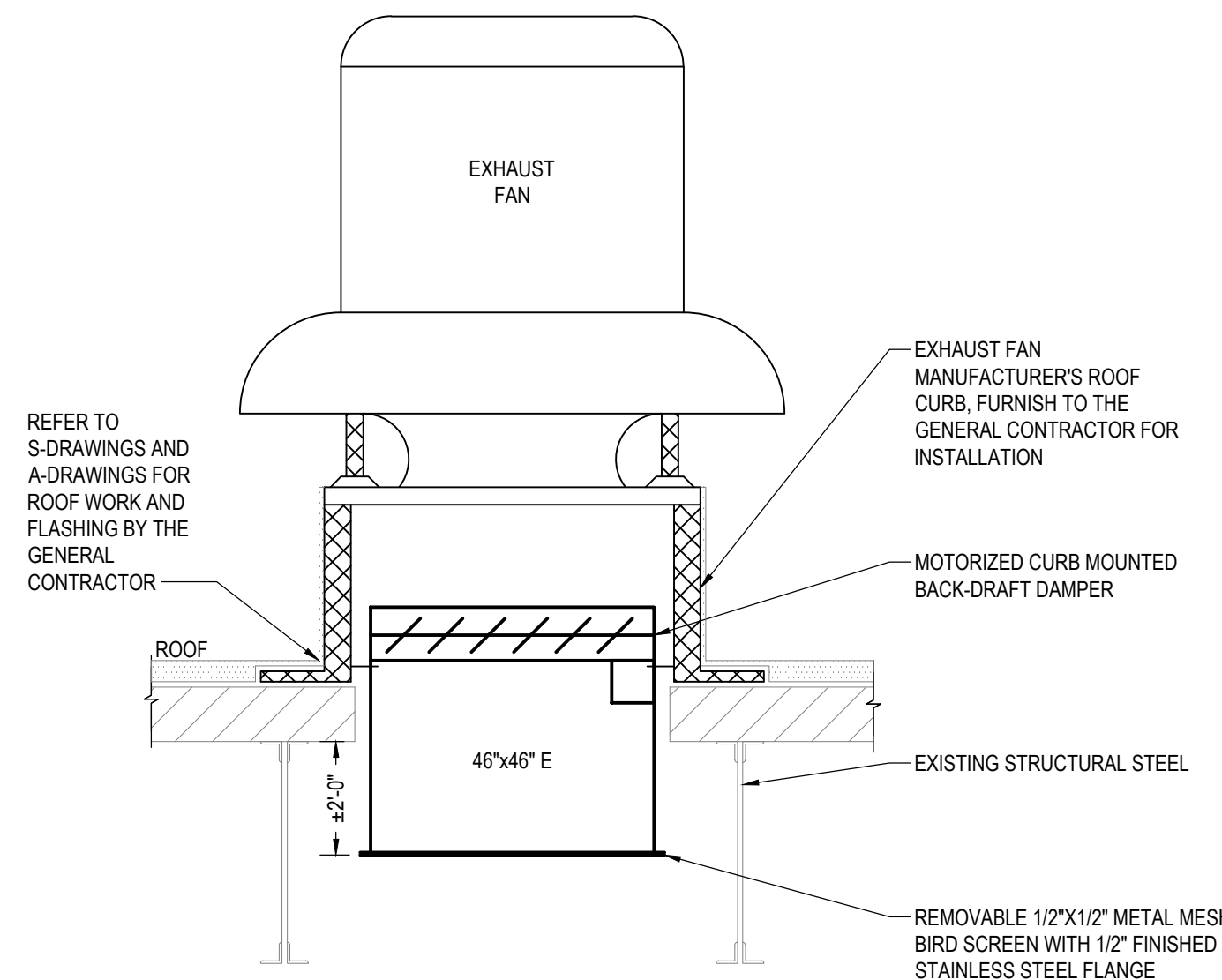
SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024  
**M201**



**1 GAS UNIT HEATER WITH CONCENTRIC VENT DETAIL**  
SCALE: NOT TO SCALE

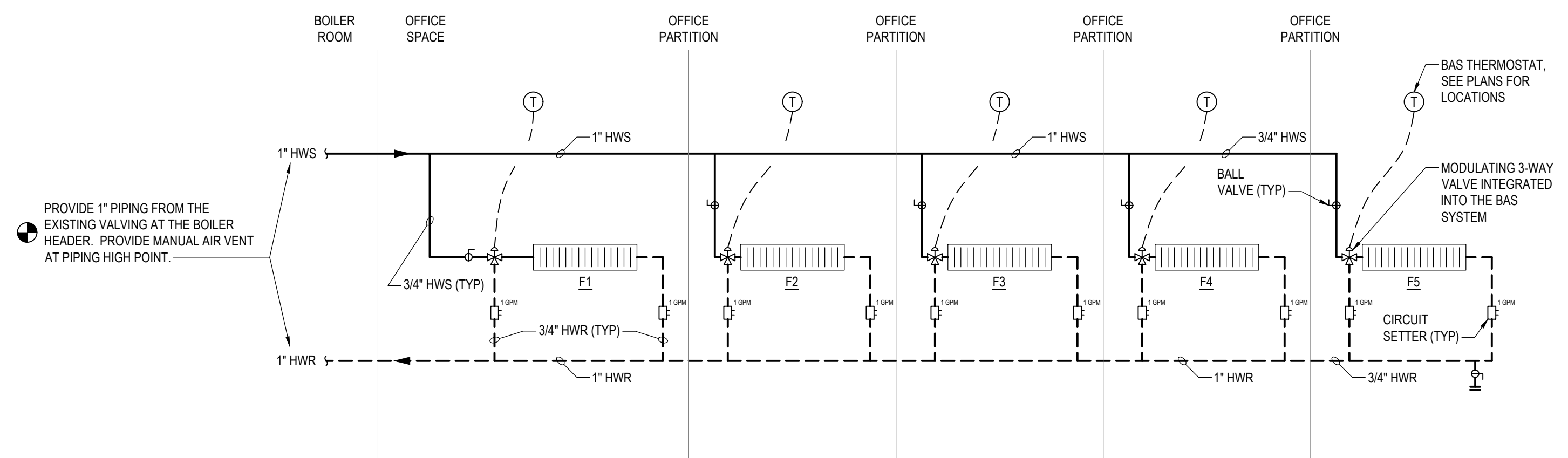


**2 OFFICE FIN TUBE PIPING REMOVAL DIAGRAM**  
SCALE: NOT TO SCALE



**4 ROOF EXHAUST FAN ASSEMBLY DETAIL**  
SCALE: NOT TO SCALE

- NOTE
1. DUCT SHALL BE 1" SMALLER THAN ROOF OPENING.
  2. ROOF OPENING SHALL CONFORM TO CURB SIZE.
  3. EXHAUST SHALL BE 10'-0" FROM ANY BUILDING AIR INTAKE.
  4. EXHAUST FAN SHALL BE 10'-0" FROM THE ROOF EDGE.
  5. REFER TO A-DRAWINGS AND S-DRAWINGS FOR ADDITIONAL INFORMATION.

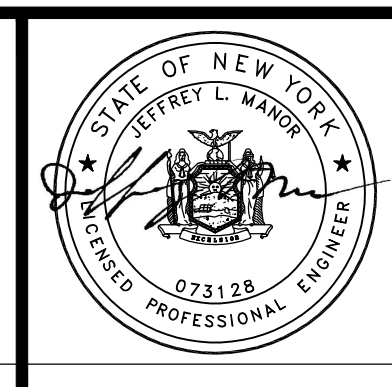


**3 OFFICE FIN TUBE PIPING DIAGRAM**  
SCALE: NOT TO SCALE

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FACILITY RENOVATIONS PHASE II

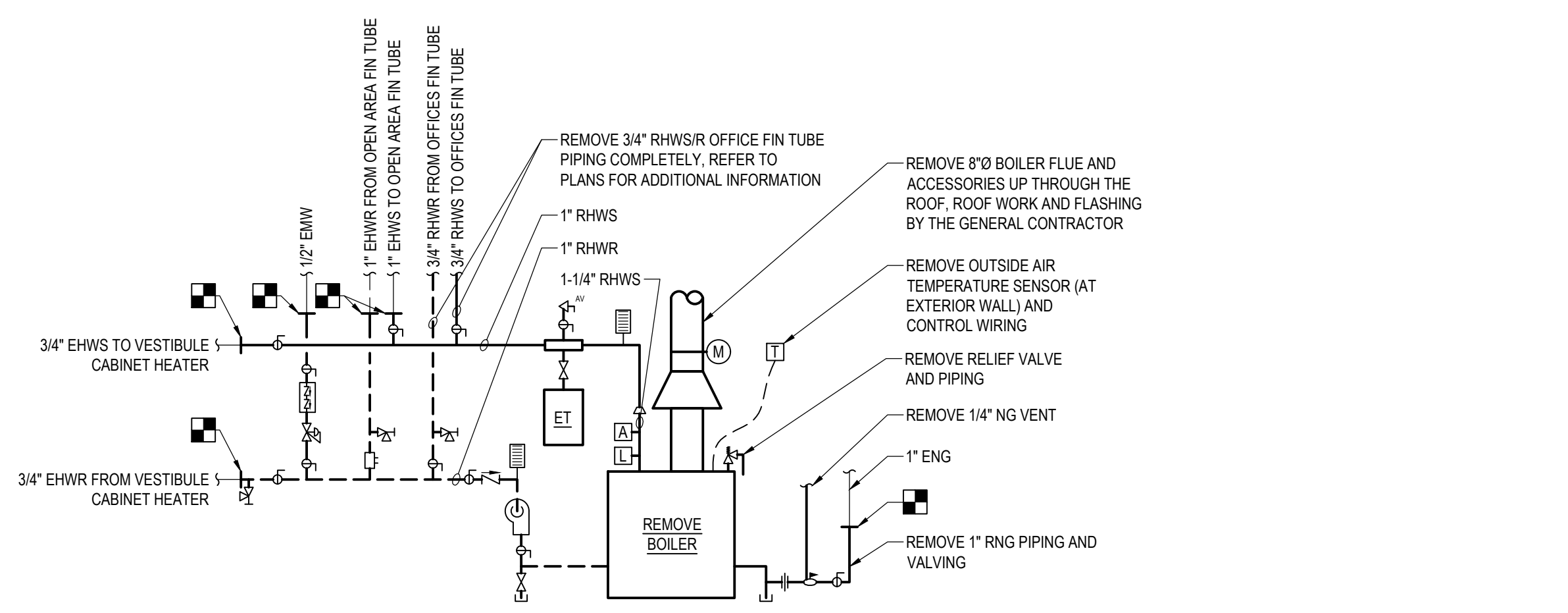
**DETAILS**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

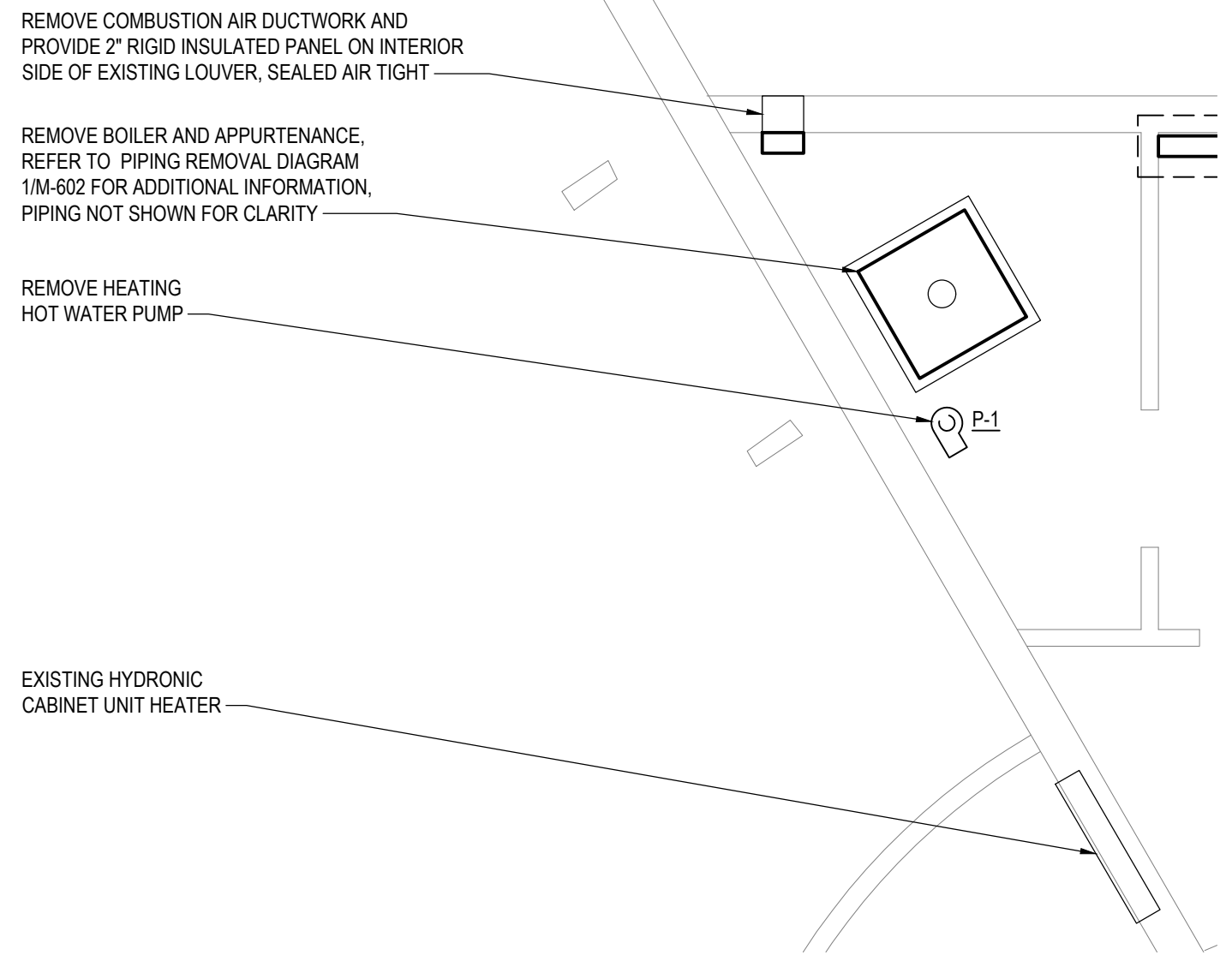
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CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**M601**

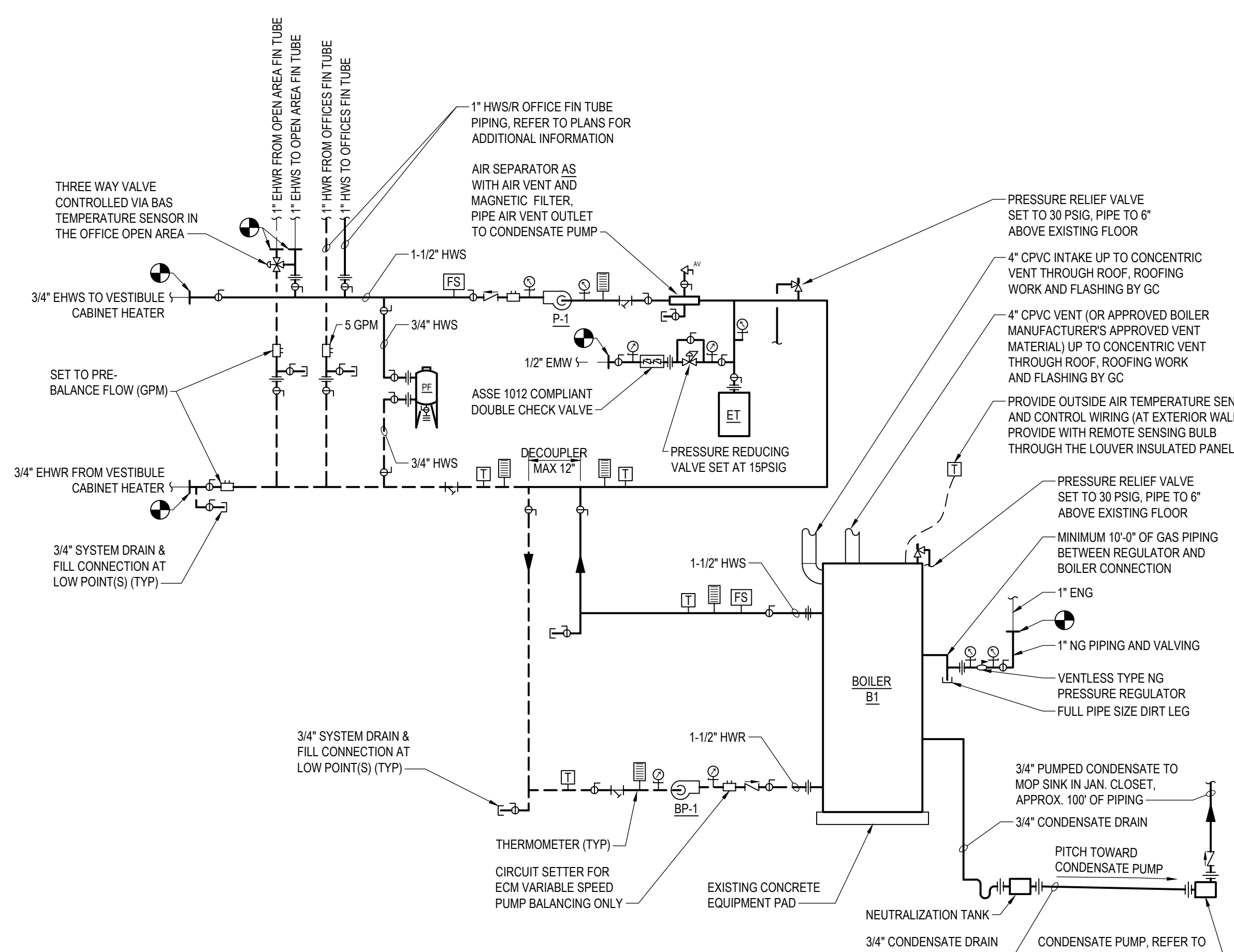
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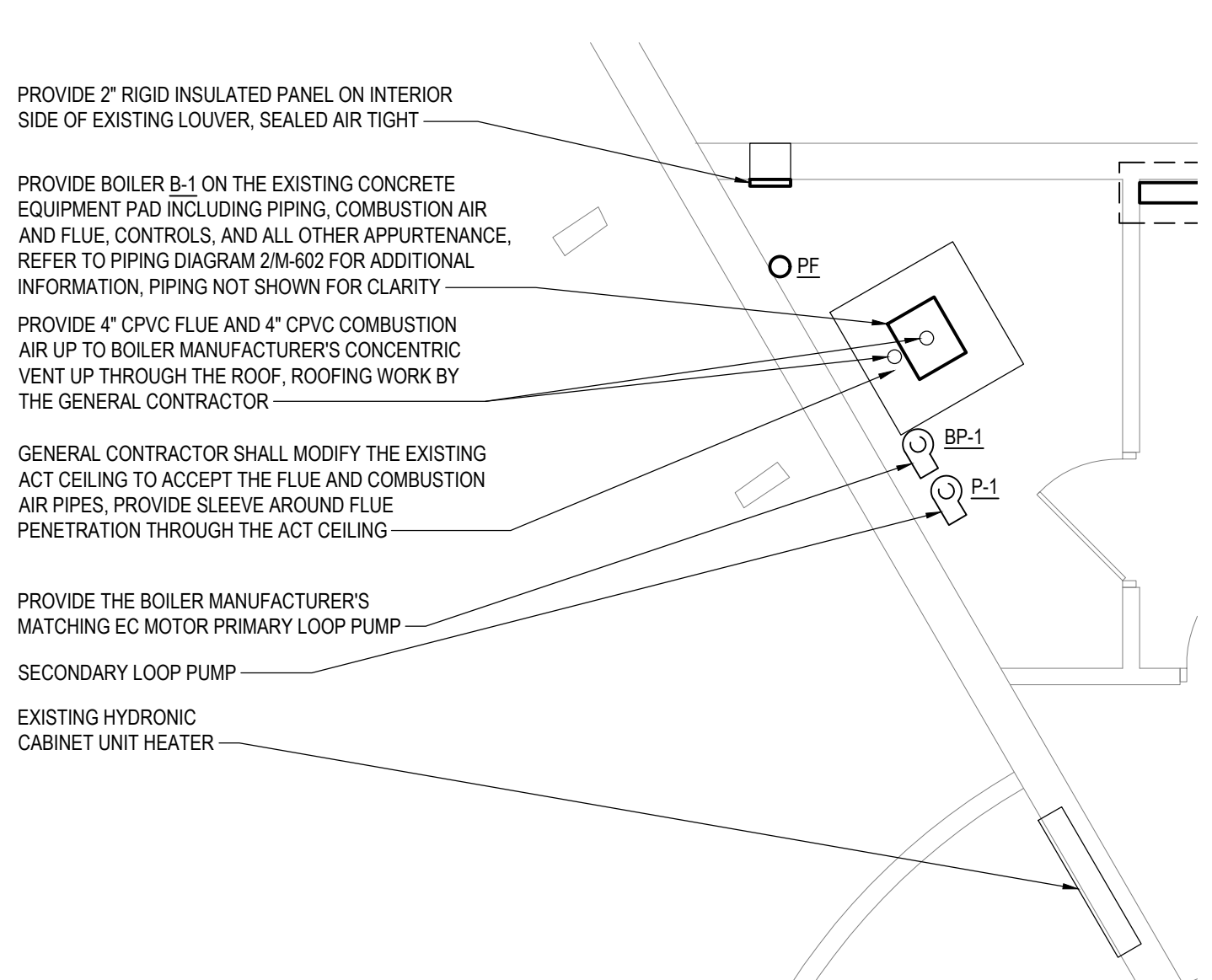
**1 BOILER PIPING REMOVAL DIAGRAM - BID ALTERNATE**  
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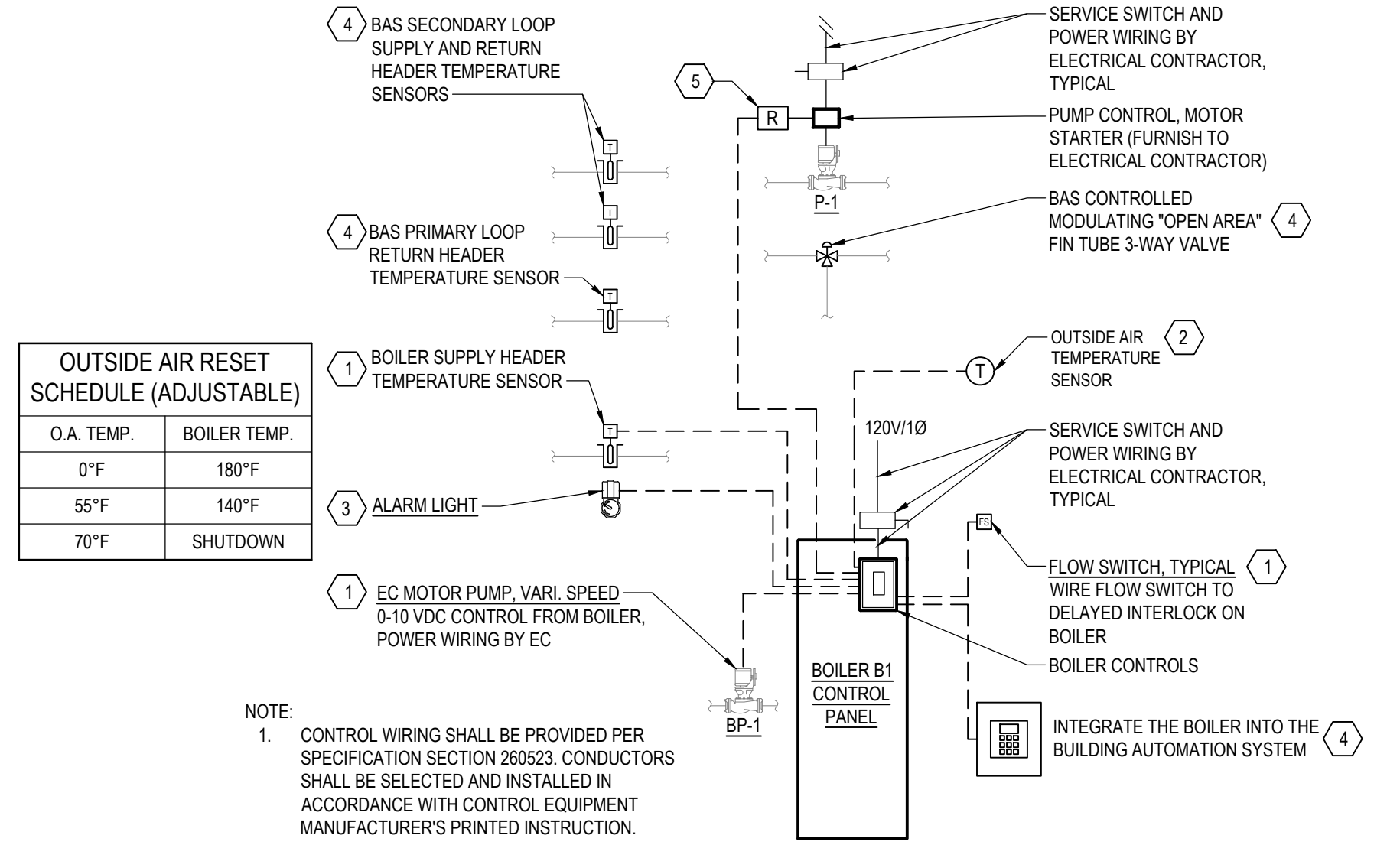
**3 BOILER ROOM REMOVAL PLAN - BID ALTERNATE**  
 SCALE: NOT TO SCALE



**2 BOILER PIPING DIAGRAM - BID ALTERNATE**  
 SCALE: NOT TO SCALE



**4 BOILER ROOM PLAN - BID ALTERNATE**  
 SCALE: NOT TO SCALE



**OUTSIDE AIR RESET SCHEDULE (ADJUSTABLE)**

O.A. TEMP.	BOILER TEMP.
0°F	180°F
55°F	140°F
70°F	SHUTDOWN

NOTE:  
 1. CONTROL WIRING SHALL BE PROVIDED PER SPECIFICATION SECTION 280523. CONDUCTORS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH CONTROL EQUIPMENT MANUFACTURER'S PRINTED INSTRUCTION.

**KEYED NOTES**

- CONTROL WIRING: LOW VOLTAGE CONTROL WIRING SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- BOILER SHALL INCLUDE AN OUTSIDE AIR (OA) TEMP SENSOR. OA RESET CURVE FIELD PROGRAMMED AND ADJUSTABLE. SET 180°F BOILER TEMPERATURE AT 0°F OA TEMPERATURE, 140°F BOILER TEMPERATURE AT 55°F OA TEMPERATURE AND 70°F OA TEMPERATURE SHUTDOWN WITH 5°F DIFFERENTIAL.
- ALARM NOTIFICATION LIGHT: LOCATE LIGHT WITHIN THE ROOM THE BOILER IS INSTALLED WITHIN, APPROXIMATELY 6" ABOVE THE DOOR. WIRE TO BOILER'S CONTROL PANEL.
- INTEGRATE THE BOILER/HEATING HOT WATER SYSTEM INTO THE BUILDING AUTOMATION SYSTEM.
- RELAY (R15/UC OR SIMILAR) FROM BOILER "SYSTEM PUMP" CONTACT, TO SEND A DRY CONTACT TO THE ENABLE ON SECONDARY LOOP PUMP. FIELD PROGRAM PUMP CONTROLLERS TO ESTABLISH PUMP COMMUNICATION BETWEEN PUMPS.

**BOILER SEQUENCE OF OPERATIONS:**

- THE BOILER SHALL BE INTEGRATED INTO THE BUILDING AUTOMATION SYSTEM THROUGH ITS BACnet INTEGRATION CARD. THE BUILDING AUTOMATION SYSTEM SHALL ENABLE THE BOILER PLANT, MONITOR BOILER STATUS, PUMP(S) STATUS, SUPPLY HEADER TEMPERATURES, RETURN HEADER TEMPERATURES, AND SHALL BE ABLE TO OVERRWRITE THE SUPPLY HEADER TEMPERATURE SETPOINT.
- WHEN THE BOILER PLANT IS ENABLED THROUGH THE BAS, THE BOILER'S ONBOARD SYSTEM CONTROL (SSC) SHALL CONTINUALLY MONITOR THE OUTDOOR AIR SENSOR. IF THE OUTDOOR AIR TEMPERATURE IS BELOW THE SET POINT IT SHALL COMMAND THE START OF THE BOILER. THE SSC SHALL ACTIVATE THE BOILER'S ASSOCIATED BOILER PUMP (BP-1), IF THE FLOW SWITCH DETECTS FLOW AND THE OUTDOOR AIR SENSOR IS WITHIN THE PRESET RANGE, THE SSC SHALL FIRE THE BOILER. THE SSC SHALL MODULATE BOILER PUMP FLOW TO MAINTAIN BOILER HEATING HOT WATER DELTA T.
- IF THE SUPPLY HEADER TEMPERATURE SENSOR DETECTS A TEMPERATURE BELOW THE SETPOINT, THE SSC SHALL SEND A SIGNAL TO A RELAY FROM THE BOILER'S "SYSTEM PUMP" OUTPUT, THAT RELAY WILL SEND A DRY CONTACT SIGNAL TO THE SECONDARY LOOP PUMP (P-1) TO TURN ON.
- THE BOILER SHALL CONTINUE TO INCREASE OUTPUT UNTIL THE SUPPLY TEMPERATURE SENSOR MEETS SETPOINT. THE BOILER WILL CONTINUE TO FIRE UNTIL THE TEMPERATURE SENSOR SEES THE DEMAND IS MET.
- IN THE EVENT OF A BOILER OR BOILER PUMP MALFUNCTION (INCLUDING THE BOILER'S FLOW SWITCH DETECTING NO FLOW WHEN THE BOILER IS BEING COMMANDED ON), OR REQUIRED SERVICING, THE SSC SHALL GENERATE AN ALARM, THAT WILL ILLUMINATE AN ALARM LIGHT.

OPEN OFFICE FIN TUBE SEQUENCE OF OPERATIONS: THE BUILDING AUTOMATION SYSTEM SHALL MONITOR THE BAS TEMPERATURE SENSOR IN THE OPEN OFFICE AREA AND MODULATE THE 3-WAY CONTROL VALVE TO SATISFY THE SPACE TEMPERATURE SETPOINT.

**5 BOILER CONTROL WIRING DIAGRAM - BID ALTERNATE**  
 SCALE: NOT TO SCALE

**HYDRONIC SPECIALTIES SCHEDULE - BID ALTERNATE**

TAG	DESCRIPTION	SERVICE	CAPACITY		DESIGN BASIS		NOTES
			TOTAL VOLUME	ACCEPTANCE VOLUME	MANUFACTURER	MODEL	
ET1	EXPANSION TANK	HEATING HOT WATER SYSTEM	10.0 GALLONS	10.0 GALLONS	B&G	B35	ASME
AS	AIR SEPARATOR	HEATING HOT WATER SYSTEM	-	-	SPIROTHERM	SPIROCOMBI MAGNET VDR150	AIR SEP., AIR VENT, DIRT SEP., MAGNET FILTER
PF	CHEMICAL POT FEEDER	HEATING HOT WATER SYSTEM	2 GALLONS	-	AXIOM	CBF-2	WALL HUNG

**NATURAL GAS FIRED CONDENSING BOILER SCHEDULE - BID ALTERNATE**

TAG	HEATING CAPACITY		NG GAS PRESSURE		HYDRONIC CAPACITY			ELECTRIC			DESIGN BASIS	NOTES	
	INPUT (BTU)	THERMAL EFFICIENCY	MIN (IN WC)	MAX (IN WC)	GPM	EWT	LWT	VOLTS	PHASE	MCA			
B1	199,000	95%	4	14	15	180°F	160°F	120	1	4.2	LOCHINVAR	KHB199N	1,2,3,4,5,6

- PROVIDE UNIT WITH OPTIONAL BACnet COMMUNICATIONS BOARD TO INTEGRATE INTO THE BUILDING AUTOMATION SYSTEM.
- BP-1: PROVIDE BOILER MANUFACTURER'S PRIMARY LOOP ECM VARIABLE SPEED BOILER PUMP PROVIDING 15 GPM @ 20 FTHD (MINIMUM OPERATING POINT). PRIMARY LOOP PUMP SHALL BE POWERED THROUGH THE BOILER AND SPEED SHALL BE CONTROLLED VIA THE BOILER CONTROLS TO MAINTAIN HEATING HOT WATER TEMPERATURE DIFFERENTIAL ACROSS THE BOILER.
- PROVIDE OUTSIDE AIR TEMPERATURE SENSOR, OPERATING CONTROLS, AUTO-RESET HIGH LIMIT, ADJUSTABLE RESET HIGH LIMIT WITH MANUAL RESET, FIELD INSTALLED LOW WATER CUTOFF WITH MANUAL RESET, CONDENSATE TRAP AND EXTERNAL CONDENSATE NEUTRALIZER KIT, FLOW SWITCH, AND 30PSIG ASME RELIEF VALVE.
- PROVIDE MANUFACTURER'S COMBINATION COMBUSTION AIR AND VENT, ADAPTERS, ROOF THIMBLE AND FITTINGS. ROOF WORK BY GENERAL CONTRACTOR.
- PROVIDE FIELD INSTALLED VENTLESS TYPE GAS PRESSURE REGULATOR.
- PROVIDE ALARM NOTIFICATION CIRCUIT CONNECTED TO BOILER ALARM CONTACTS TO ILLUMINATE PILOT LIGHT ON ALARM CONDITION. PROVIDE ENCLOSURE WITH RED PILOT LIGHT AND PLASTIC LAMINATED TAG "BOILER ALARM" LOCATED IN THE ROOM THE BOILER IS WITHIN. PROVIDE CONTROL WIRING AND TRANSFORMER.

**SUBMITTAL / REVISIONS**

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**FACILITY RENOVATIONS PHASE II**  
**BID ALTERNATE - BOILER DETAILS**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**M602**

VARIABLE FREQUENCY DRIVE SCHEDULE											
TAG	EQUIPMENT SERVED	DRIVE TYPE	MOTOR		DRIVE ACCESSORIES				DESIGN BASIS		NOTES
			HP	ELECTRIC	BY-PASS	INPUT CIRCUIT BREAKER	L REACTOR	COMM. INTERFACE	MANUF.	MODEL	
EF-14	EXHAUST FAN EF-14	VFD	5	480-3-60	NO	YES	L1	C1	ABB	ACH580	1, 2

ACCESSORY NOTES:  
C1: PROVIDE COMMUNICATIONS CARD FOR INTERFACE WITH EXISTING HONEYWELL BUILDING AUTOMATION SYSTEM, SEAMLESSLY INTEGRATE VFD OPERATION INTO THE EXISTING HONEYWELL SYSTEM.  
L1: PROVIDE STANDARD SIZE DC CHOKE.

DRIVE NOTES:  
1. FURNISH NEMA 4X ENCLOSURE. INPUT CIRCUIT BREAKER FOR CIRCUIT PROTECTION & DISCONNECT USE - ACCESSIBLE ON FRONT OF CABINET DOOR, WITH TRIP RATING AS SCHEDULED.  
2. DRIVES SHALL BE LABELED WITH EQUIPMENT TAGS, SOURCE POWER PANEL #, CIRCUIT # AND VFD VOLTAGE.

STANDARD FEATURES:  
A. INVERTER SHALL USE IGBTs ONLY, WITH PWM CIRCUIT.  
B. VSD SHALL INCLUDE (2) 0-10 VDC INPUTS, (2) 0-10 VDC OUTPUTS, FAULT CONTACTS, AND 1 SPACE SET OF PROGRAMMABLE RELAY CONTACTS.

DIFFUSER / GRILLE SCHEDULE										
TAG	TYPE	MAX CFM	MAX PD	MAX VEL.	MAX NC	PANEL SIZE	NECK SIZE	DESIGN BASIS		NOTES
								MANUF.	MODEL	
SD-1	LAY-IN	100	0.05	500	< 15	24x24	6"Ø	NAILOR	ARNSA	1, 2
ER-1	LAY-IN	150	0.05	500	< 15	8 x 8	8 x 8	NAILOR	51EC	1, 2

1. PROVIDE WITH INTEGRAL VOLUME DAMPER. FIELD VERIFY THERE IS NO DUCT MOUNTED VOLUME DAMPER IN THE DUCTWORK SERVICE THIS DIFFUSER/GRILLE PRIOR TO RELEASE.  
2. PROVIDE WITH OPTIONS/ACCESSORIES TO INSTALL WITHIN ACOUSTIC TILE DROP CEILING. COORDINATE INSTALLATION WITH GC AND THE DROP CEILING INSTALLATION.

VAV BOX SCHEDULE										
TAG	AIR FLOW DATA		INLET SIZE (INCHES)	OUTLET SIZE WxH	PRESS DROP IN WG	DESIGN BASIS		NOTES		
	DESIGN	MIN.				MANUFACTURER	MODEL			
VAV-1	1,380	360	10"Ø	10"Ø	0.5	AAON	ASMO1916	1		
VAV-2	760	220	8"Ø	8"Ø	0.5	AAON	ASMO1915	1		
VAV-3	440	120	6"Ø	6"Ø	0.5	AAON	ASMO1914	1		
VAV-4	960	220	8"Ø	8"Ø	0.5	AAON	ASMO1915	1		
VAV-5	490	120	6"Ø	6"Ø	0.5	AAON	ASMO1914	1		
VAV-6	755	220	8"Ø	8"Ø	0.5	AAON	ASMO1915	1		
VAV-7	915	275	8"Ø	8"Ø	0.5	AAON	ASMO1915	1		
VAV-8	300	85	6"Ø	6"Ø	0.5	AAON	ASMO1914	1		

1. CONNECT TO EXISTING UPSTREAM AND DOWNSTREAM DUCTWORK.  
2. PROVIDE WITH BACnet CONTROLLER TO TIE INTO THE BUILDING AUTOMATION SYSTEM.

RADIATION SCHEDULE - HOT WATER															
TAG	CAPACITY			ELEMENT			ENCLOSURE			DESIGN BASIS		NOTES			
	MBH	GPM	EWT	LWT	TIERS	LENGTH	TUBE	FINS/FT	STYLE	ENCL. HEIGHT	MOUNT HEIGHT		DEPTH	MANUF.	MODEL
F1	8.3	1.0	180°	160°	1	7'-0"	3/4"	50	SLOPE TOP	20"	24"	5'-5/16"	STERLING	JVB-S	1,2,3,4
F2	5.9	1.0	180°	160°	1	5'-0"	3/4"	50	SLOPE TOP	20"	24"	5'-5/16"	STERLING	JVB-S	1,2,3,4
F3	8.3	1.0	180°	160°	1	7'-0"	3/4"	50	SLOPE TOP	20"	24"	5'-5/16"	STERLING	JVB-S	1,2,3,4
F4	5.9	1.0	180°	160°	1	5'-0"	3/4"	50	SLOPE TOP	20"	24"	5'-5/16"	STERLING	JVB-S	1,2,3,4
F5	8.3	1.0	180°	160°	1	7'-0"	3/4"	50	SLOPE TOP	20"	24"	5'-5/16"	STERLING	JVB-S	1,2,3,4

1. WALL TO WALL 14 GAUGE ENCLOSURE WITH BACK PLATE AND PIPE HANGERS.  
2. 4-1/4" x 3-5/8" COPPER ALUMINUM FIN.  
3. INSULATE ALL PIPING WITHIN ENCLOSURE. REDUCE PIPE INSULATION TO 1/2" THICK AT FINNED ELEMENT.  
4. PROVIDE MATCHING 12" WIDE REMOVABLE ACCESS PANEL SECTION AT EACH END OF ENCLOSURE WITHIN EACH ROOM. LOCATE VALVES AND ACCESSORIES BEHIND REMOVABLE ACCESS SECTION. PROVIDE PERMANENT LABEL STATING "VALVE ACCESS" ON ACCESS PANEL LOCATED IN FRONT OF CONTROL VALVE.

PUMP SCHEDULE											
TAG	TYPE	SERVICE	CAPACITY		MOTOR			DESIGN BASIS		NOTES	
			GPM	FT HD	DESIGN RPM	MAX RPM	HP	ELECT.	MANUF.		MODEL
P-1	INLINE	HOT WATER HEATING	20	20	3450	3450	1/3	115-1-60	TACO	2400-45	1, 2, 3

1. PERFORMANCE BASED WATER AT 180° FLUID TEMPERATURE.  
2. PRIOR TO REMOVAL OF EXISTING PUMP, MEASURE FLOW AND PRESSURE DIFFERENTIAL (GPM AND PSI) OF THE PUMP, REFER TO KEYED NOTE #3 ON MD201.  
3. IF THE BID ALTERNATE PORTION OF THE PROJECT IS ACCEPTED, THE BID ALTERNATE BOILER MANUFACTURER'S BOILER PUMP SHALL BE PROVIDED IN LIEU OF THIS PUMP.

HIGH VOLUME LOW SPEED (HVLS) CEILING FAN SCHEDULE												
TAG	SERVICE	NUMBER OF BLADES	MOTOR HP	MAX RPM	ELECTRICAL		DIMENSIONS			BASIS OF DESIGN		NOTES
					VOLTAGE	MOP	DIAMETER (FT)	HEIGHT (IN)	WEIGHT (LBS)	MANUFACTURER	MODEL	
CF-1	STORAGE ADDITION	6	1.35	113	120-1-60	10	10.0	31.4	173.0	SKYBLADE	GHOST-1030-612-1	1, 2, 3

1. PROVIDE WITH FACTORY SINGLE YOKE CONTROLLER. REFER TO M103 FOR CONTROLLER LOCATION.  
2. FANS SHALL BE PROVIDED WITH FACTORY SAFETY CABLES FOR MOUNTING TO OVERHEAD STRUCTURE. SAFETY CABLES SHALL NOT BE FIELD CONSTRUCTED.  
3. PROVIDE WITH FACTORY EXTENSION BAR FOR STRUCTURAL CONNECTION BETWEEN FAN ASSEMBLY AND UPPER MOUNTING SYSTEM. FANS SHALL BE INSTALLED A MINIMUM OF 14' ABOVE FINISHED FLOOR.

ELECTRIC FIN TUBE SCHEDULE										
TAG	SERVES	WATTS	ELEMENT		ENCLOSURE		DESIGN BASIS		NOTES	
			LENGTH	ELECT.	HEIGHT	DEPTH	MANUFACTURER	MODEL		
EFT-1	CONF. ROOM.	1000	4'-0"	277-1-60	8-1/2"	3"	MARKEL PRODUCTION CO.	3900 SERIES	1, 2	
EFT-2	CONF. ROOM.	1000	4'-0"	277-1-60	8-1/2"	3"	MARKEL PRODUCTION CO.	3900 SERIES	1, 2	
EFT-3	CONF. ROOM.	1000	4'-0"	277-1-60	8-1/2"	3"	MARKEL PRODUCTION CO.	3900 SERIES	1, 2	

1. POWDER COATED 12 GAUGE ALUMINUM CONSTRUCTION.  
2. PROVIDE WITH INTEGRAL DISCONNECT SWITCH. PROVIDE WITH REMOTE MOUNTED LINE VOLTAGE THERMOSTAT. ONE THERMOSTAT SHALL CONTROL THE THREE ELECTRIC FIN TUBE ELEMENTS WITHIN THE CONFERENCE ROOM. PROVIDE 3'-0" BLANK SECTION/WIREWAYS COVERS TO CONCEAL THE WIRING BETWEEN THE HEATERS.

EXHAUST FAN SCHEDULE												
TAG	SERVICE	TYPE	DRIVE	FAN				ELECTRICAL	UNIT WEIGHT (LB)	BASIS OF DESIGN		NOTES
				TOTAL CFM	ESP (IN-WG)	MOTOR RPM	MOTOR HP			VOLTAGE / PH/ HZ	MANUFACTURER	
EF-14	GARAGE SPACE	ROOF MOUNTED DOWNBLAST	BELT	16,700	0.50	1,725	5.0	460 / 3 / 60	420	COOK	ACE-B 445C11B	1, 2

1. PROVIDE WITH INTEGRAL DISCONNECT SWITCH, MOTORIZED DAMPER. MANUFACTURER'S 14" TALL ROOF CURB WITH INTEGRAL DAMPER TRAY PROVIDED.  
2. PROVIDE WITH WALL-MOUNTED VFD FOR FAN SPEED CONTROL.

NATURAL GAS FIRED UNIT HEATER SCHEDULE																
TAG	SERVICE	HEATING CAPACITY		NATURAL GAS INLET PRESSURE		MOUNTING HEIGHT	THERMAL EFFICIENCY	CFM	TEMP RISE (°F)	UNIT WEIGHT (LB)	FAN MOTOR			BASIS OF DESIGN		NOTES
		INPUT MBH	OUTPUT MBH	MIN (IN WC)	MAX (IN WC)						HP	RPM	VOLTAGE	MANUFACTURER	MODEL	
GUH-1	STORAGE ADDITION	45.0	37.35	5.0	14.0	10FT	83%	550	60	65	1 / 20	1,650	120 / 1 / 60	STERLING	GG-45	1
GUH-2	STORAGE ADDITION	45.0	37.35	5.0	14.0	10FT	83%	550	60	65	1 / 20	1,650	120 / 1 / 60	STERLING	GG-45	1

1. PROVIDE WITH FACTORY COMBUSTION AIR INLET KIT FOR CONCENTRIC VENTING OF UNIT HEATER. REFER TO 1/M601.

ROOFTOP UNIT SCHEDULE																														
TAG	SERVICE	FANS				FILTERS		DX HEAT PUMP COIL PERFORMANCE										MODULATING NATURAL GAS HEATING COIL PERFORMANCE						ELECTRICAL				DESIGN BASIS		NOTES
		SUPPLY FAN				PRE-FILTER	FINAL FILTER	DX COOLING PERFORMANCE					DX HEATING PERFORMANCE					HEATING			ELECTRICAL			MANUFACTURER	MODEL					
		AIRFLOW (CFM)	OUTSIDE AIR (CFM)	ESP (IN WG)	HP			GROSS TOTAL CAPACITY (BTU/H)	GROSS SENSIBLE CAPACITY (BTU/H)	NET TOTAL CAPACITY (BTU/H)	NET SENSIBLE CAPACITY (BTU/H)	ENTERING AIR DB / WB (°F)	LEAVING AIR DB / WB (°F)	COMPRESSORS	GROSS TOTAL CAPACITY (BTU/H)	COP	ENTERING AIR DB / WB (°F)	LEAVING AIR DB / WB (°F)	HEATING CFM	HEATING INPUT CAPACITY (BTU/H)	HEATING OUTPUT CAPACITY (BTU/H)	ENTERING AIR DB (°F)	LEAVING AIR DB (°F)			VOLTAGE	FLA	MCA	MOP	
AC-1	ADMINISTRATION	6,000	1,200	1.2	7.5	2" MERV 8	4" MERV 13	187,000	155,000	175,000	143,000	78 / 64	55 / 54	2	211,000	3.65	70 / 57	102 / 68	6,000	270,000	218,000	57	91	460 / 3 / 60	44	47	50	AAON	RN 016	1, 2, 3, 4
AC-2	LUNCH / DISPATCH	3,000	320	0.7	2	2" MERV 8	4" MERV 13	89,000	72,000	84,000	66,000	77 / 63	56 / 54	1	109,000	3.59	70 / 57	104 / 69	3,000	150,000	120,000	64	101	460 / 3 / 60	20	23	35	AAON	RN 008	1, 2, 3, 4

1. COOLING PERFORMANCE BASED ON AMBIENT TEMPERATURE OF 92°F DB/ 73°F WB. HEAT PUMP HEATING PERFORMANCE BASED ON AMBIENT TEMPERATURE OF 62°F DB / 56.2°F WB.  
2. PROVIDE WITH: HEAT PUMP HEATING, MODULATING HOT GAS REHEAT COIL, HIGH TURN DOWN MODULATING GAS HEAT BURNER.  
3. 24" TALL CUSTOM R-12 INSULATED PLENUM ROOF CURB (FURNISH TO THE GENERAL CONTRACTOR FOR INSTALLATION), COORDINATE CURB DESIGN AND INSTALLATION LOCATION WITH EXISTING DUCT PENETRATIONS BEFORE RELEASE OF THE ROOFTOP UNIT AND CURB.  
4. PROVIDE WITH SINGLE POINT POWER CONNECTION, CONVENIENCE OUTLET, FACTORY DISCONNECT, REMOVABLE PIN HINGE DOORS ON FOR THE CONTROLS ACCESS DOOR, AND VENT EXTENSION KIT.

FILE: R:\PROJECTS\182 - DUTCHESS COUNTY PUBLIC TRANSPORTATION FACILITY RENOVATION\ CAD\182 - M701.DWG  
USER: NICHOLAS DELPRADO  
PLOTTED: 2/5/2024 12:38:45 PM  
SAVED: 2/5/2024 9:45:16 AM

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	CHS
DRAWN BY:	CHS
CHECKED BY:	CHS



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**FACILITY RENOVATIONS PHASE II**

**SCHEDULES**

**DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK**

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

M701





# BUILDING AUTOMATION NOTES - BID ALTERNATE

1. THE INTENT OF THE CONTROLS PORTION OF THE BID ALTERNATE IS TO REPLACE THE ENTIRE EXISTING BUILDING AUTOMATION SYSTEM INCLUDING: SYSTEM CONTROLLER, EQUIPMENT CONTROLLERS, INTERCONNECTING WIRING, SENSORS, DEVICES, ETC. (NOTE: WHERE EXISTING WIRING IS DETERMINED TO BE ACCEPTABLE FOR REUSE BY THE CONTROLS CONTRACTOR, IT SHALL BE ACCEPTABLE TO REUSE THE WIRING AND CONDUIT AND IN TURN PROVIDE A CREDIT TO THE COUNTY FOR THE TIME AND MATERIAL)

THE NEW BUILDING AUTOMATION SYSTEM SHALL INTEGRATE ALL OF THE EXISTING EQUIPMENT AND ALL OF THE EQUIPMENT PROVIDED UNDER THIS CONTRACT, AS INDICATED IN THE CONTRACT DOCUMENTS. THE SYSTEM SHALL BE REMOTE ACCESSIBLE THROUGH AN ETHERNET IP CONNECTION. COORDINATE WITH THE COUNTY IT DEPARTMENT FOR USE OF AN IP DROP.

THE COUNTY CONTROLS ALL OF ITS BUILDINGS BAS FROM A REMOTE HEAD END COMPUTER IN ANOTHER BUILDING. PROVIDE ACCESS TO THIS BUILDINGS BAS THROUGH THE COUNTIES EXISTING HEAD END COMPUTER.

2. THE EXISTING BUILDING AUTOMATION SYSTEM TO BE REMOVED AND REPLACED IS A JOHNSON CONTROLS METASYS N2 SYSTEM. PROCURE THE SERVICES OF THE CURRENT FACILITY CONTROLS PROVIDER (EMTECH) TO RECORD ALL EXISTING EQUIPMENT POINTS, SEQUENCES, AND SCHEDULES PRIOR TO REMOVING THE EXISTING SYSTEM AND SUBMIT THEM FOR RECORD.

3. PROVIDE AN USER GRAPHIC DISPLAY AT BUILDING AND EQUIPMENT LEVELS SHOWING ALL POINTS RELEVANT (READ AND WRITE). THE GRAPHICS SHALL ALSO INCLUDE AT A MINIMUM: 3-D COLOR CUSTOM BUILDING/FLOOR PLANS, 3-D GRAPHICS WITH ANIMATIONS, 3-D COLOR MAJOR EQUIPMENT GRAPHIC WITH ANIMATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

4. EQUIPMENT/CONTROLLERS/SENSORS/DEVICES/ETC. THAT ARE INCLUDED IN THE BASE BID OF THIS PROJECT ARE NOT INCLUDED IN THE BID ALTERNATE DRAWINGS, BUT SHALL BE FULLY INTEGRATED INTO THE NEW BUILDING AUTOMATION SYSTEM.

5. FOR BOILER REPLACEMENT AND BOILER BAS INTEGRATION INFORMATION, REFER TO DRAWING M602

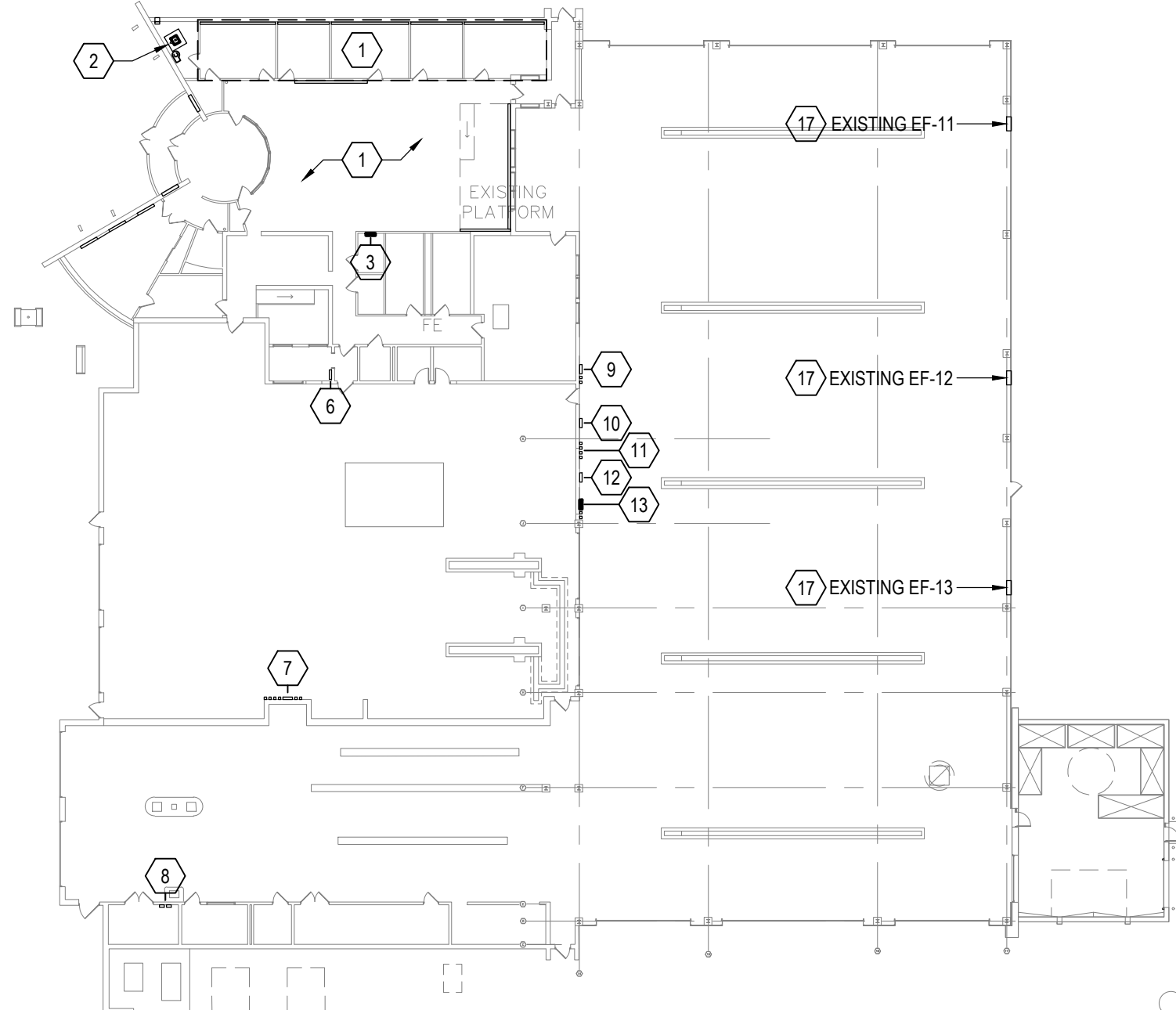
## KEYED NOTES

NOTE: EXISTING CONTROLS EQUIPMENT LOCATIONS LISTED BELOW FOR REFERENCE. REMOVE AND REPLACE EQUIPMENT AS REQUIRED TO INTEGRATE EXISTING/NEW EQUIPMENT INTO THE BUILDING AUTOMATION SYSTEM

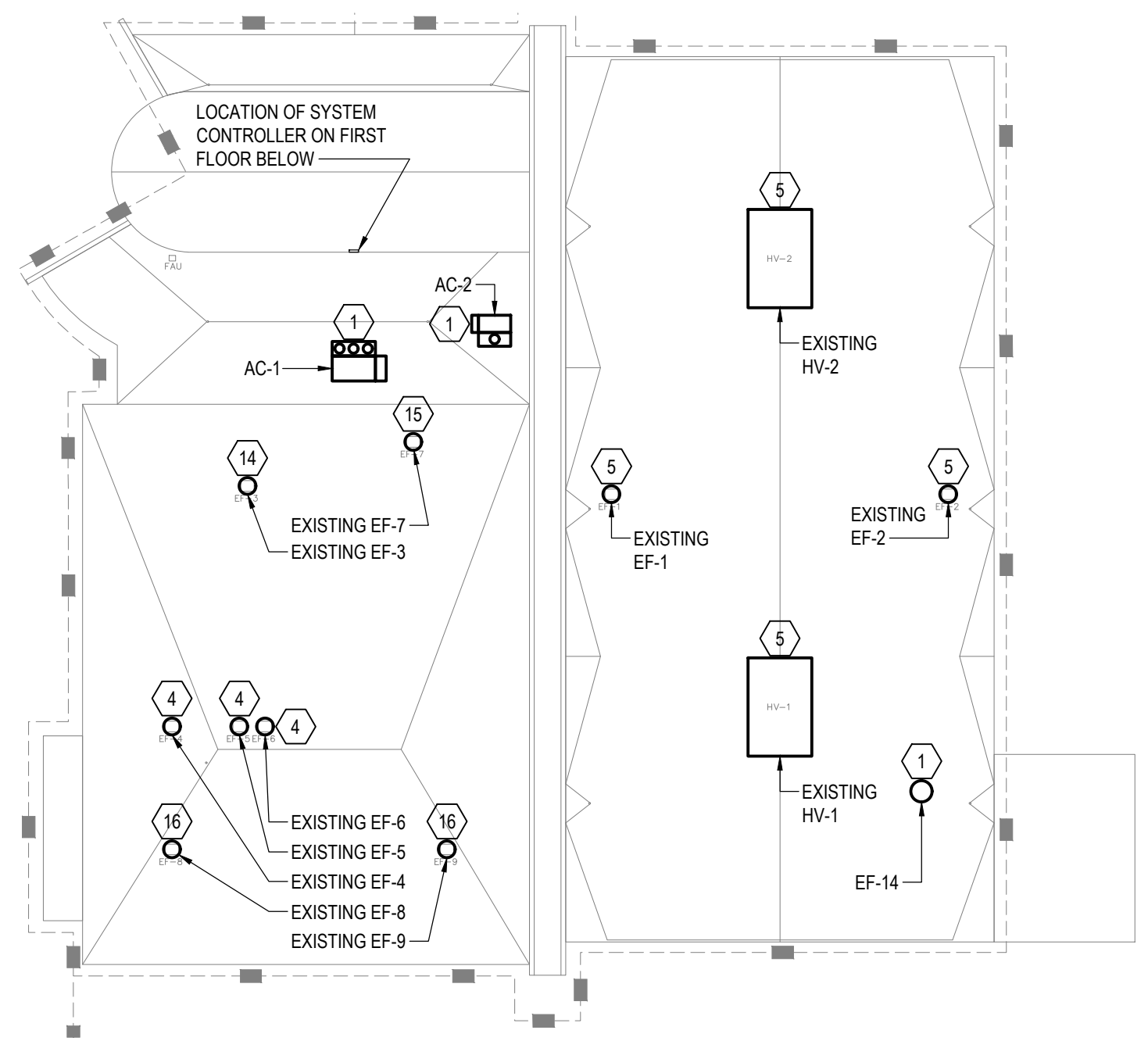
- 1 REFER TO THE BASE BID DRAWINGS FOR CONTROLS INFORMATION AND LOCATION OF EQUIPMENT IN THIS AREA.
- 2 REFER TO DRAWING M602 FOR THE BID ALTERNATE BOILER REPLACEMENT AND BOILER BAS INTEGRATION INFORMATION.
- 3 REMOVE AND REPLACE BUILDING SYSTEM CONTROLLER. REUSE LOCATION FOR NEW SYSTEM CONTROLLER.
- 4 EXISTING EXHAUST FANS EF-4, EF-5, EF-6: REPLACE EXISTING EXHAUST FANS EQUIPMENT CONTROLLERS, SENSORS, DEVICES, ETC. AND TIE INTO THE NEW BUILDING AUTOMATION SYSTEM. REFER TO DETAIL 3/M802.
- 5 EXISTING HEATING AND VENTILATING UNITS HV-1, HV-2 AND EXHAUST FANS EF-1, AND EF-2: REPLACE EXISTING HV/EF UNITS EQUIPMENT CONTROLLERS, SENSORS, DEVICES, ETC. AND TIE INTO THE NEW BUILDING AUTOMATION SYSTEM. REFER TO DETAILS 4/M802 AND 5/M802.
- 6 EXISTING GAS DETECTION SYSTEM 1 PANEL (MAKE: MSA, MODEL: Z-GARD C 485). REPLACE ALL REMOTE CARBON MONOXIDE SENSORS (ASSUME THREE SENSORS, VERIFY FINAL QUANTITY IN FIELD) WITH SENSORS COMPATIBLE WITH THE EXISTING GAS DETECTION SYSTEM PANEL. COORDINATE THE RELOCATION OF THIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.
- 7 EXISTING LOCATION OF STARTERS FOR: EF-3, EF-4, EF-5, EF-6. EXISTING H-O-A SWITCHES FOR: EF-3, EF-4, EF-5, EF-6.
- 8 EXISTING LOCATION OF STARTERS FOR: EF-8, EF-9.
- 9 EXISTING LOCATION OF FAN PURGE CONTROLLER. EXISTING LOCATION OF THERMOSTAT AND TIME CLOCK FOR: HV-1, HV-2.
- 10 EXISTING LOCATION OF H-O-A SWITCHES FOR: EF-1, EF-2, EF-11, EF-12, EF-13, EF-14.
- 11 EXISTING LOCATION OF DISCONNECTS AND VFDs FOR: EF-1, EF-2.
- 12 EXISTING GAS DETECTION SYSTEM 2 PANEL (MAKE: MSA, MODEL: Z-GARD C 485). REPLACE ALL REMOTE CARBON MONOXIDE SENSORS (ASSUME THREE SENSORS, VERIFY FINAL QUANTITY IN FIELD) WITH SENSORS COMPATIBLE WITH THE EXISTING GAS DETECTION SYSTEM PANEL.
- 13 REMOVE AND REPLACE BUILDING AUTOMATION SYSTEM CONTROL PANEL. EXISTING LOCATION OF BURNER/BLOWER INDICATOR AND BLOWER H-O-A FOR: HV-1 & HV-2.
- 14 EXISTING EXHAUST FAN EF-3: REPLACE EXISTING EXHAUST FAN EQUIPMENT CONTROLLER, SENSORS, DEVICES, ETC. AND TIE INTO THE NEW BUILDING AUTOMATION SYSTEM. REFER TO DETAIL 4/M802.
- 15 EXISTING EXHAUST FAN EF-7: EXISTING EXHAUST FANS NOT CURRENTLY INTEGRATED INTO THE EXISTING BUILDING AUTOMATION SYSTEM. INTEGRATE EXISTING EXHAUST FAN INTO THE NEW BUILDING AUTOMATION SYSTEM. REFER TO DETAIL 3/M802.
- 16 EXISTING EXHAUST FANS EF-8 & EF-9: EXISTING EXHAUST FANS NOT INTEGRATED INTO THE EXISTING BUILDING AUTOMATION SYSTEM, AND ARE LOCALLY CONTROLLED.
- 17 EXISTING EXHAUST FANS EF-11, EF-12, & EF-13: EXHAUST FANS NOT INTEGRATED INTO THE EXISTING BUILDING AUTOMATION SYSTEM, AND ARE LOCALLY CONTROLLED.



1" BAR EQUALS ONE INCH WHEN DRAWING IS PRINTED TO SCALE

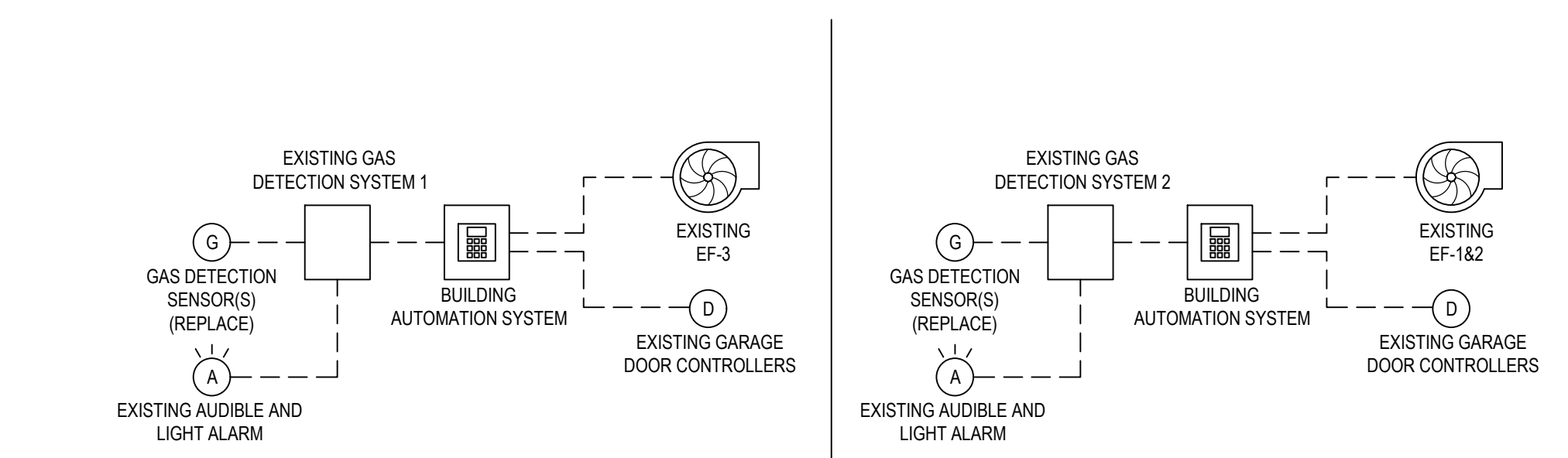
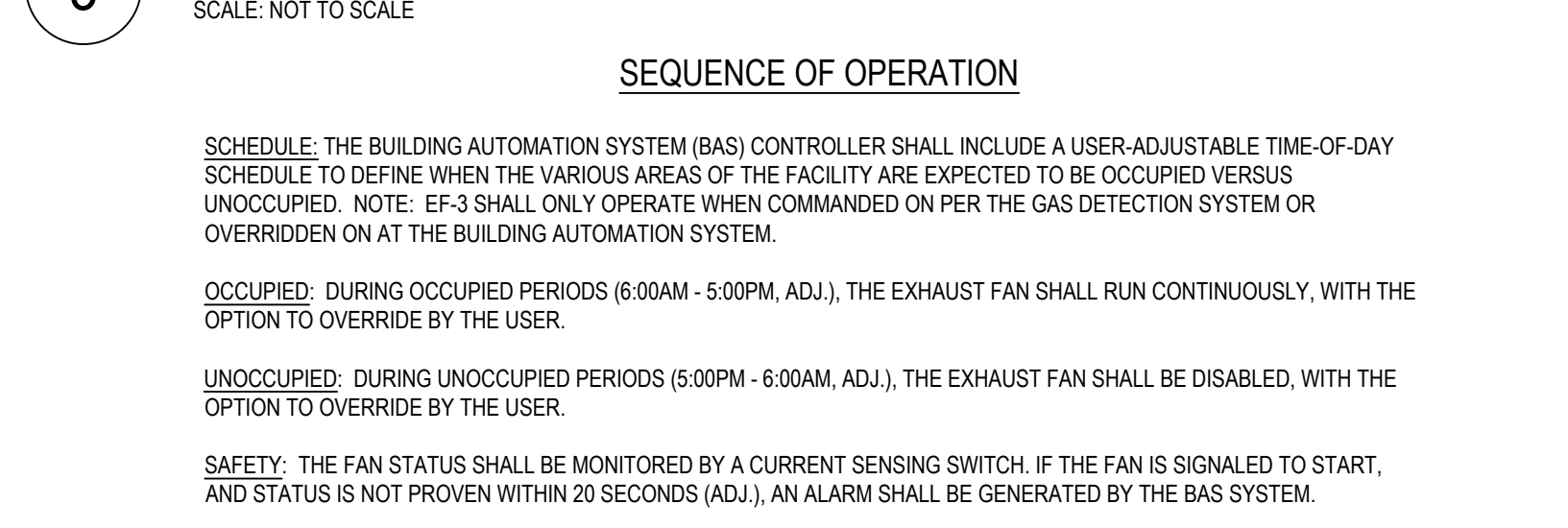


**1 FIRST FLOOR CONTROLS PLAN - BID ALTERNATE**  
SCALE: 1/32" = 1'-0"



**2 ROOF CONTROLS PLAN - BID ALTERNATE**  
SCALE: 1/32" = 1'-0"

## 3 EXHAUST FAN CONTROL DIAGRAM - BID ALTERNATE

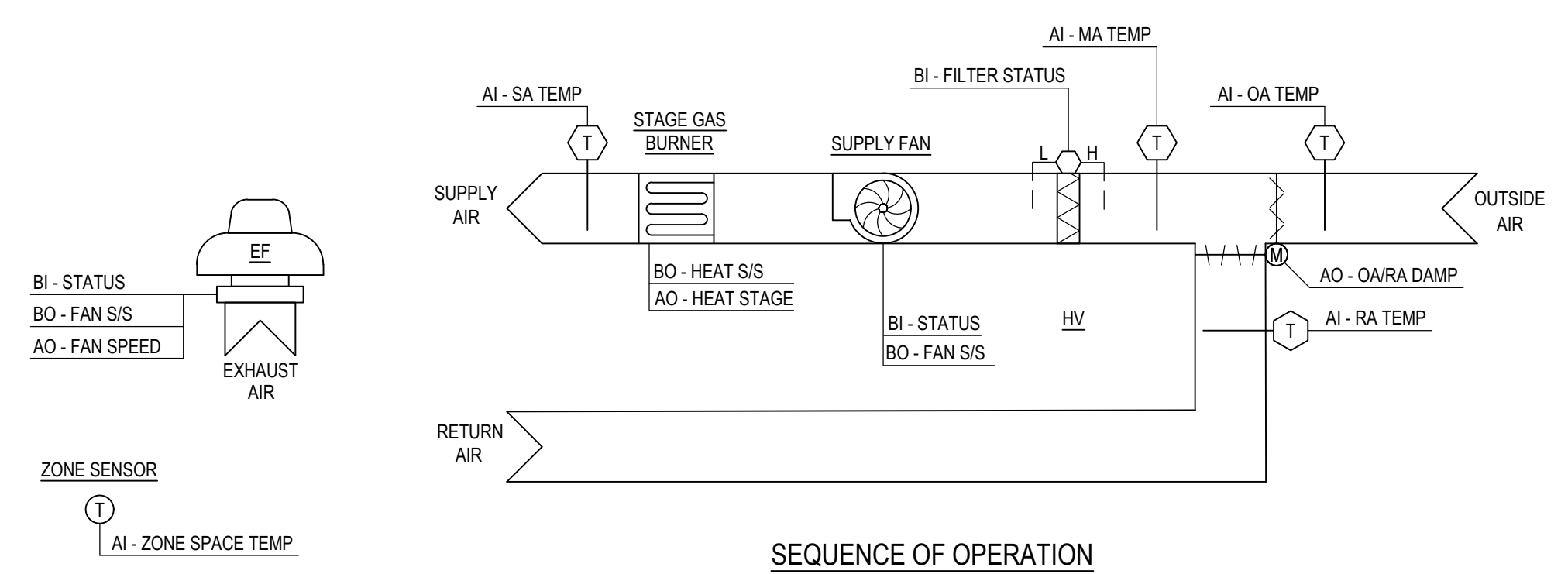


**4 GAS DETECTION SYSTEM(S) CONTROL DIAGRAM - BID ALTERNATE**  
SCALE: NOT TO SCALE

### SEQUENCE OF OPERATION

**OPERATION:** THE GAS DETECTION SYSTEM SHALL MONITOR CO LEVEL AT THE GAS DETECTION SENSORS. THE BUILDING AUTOMATION SYSTEM SHALL MONITOR CO LEVEL THROUGH THE GAS DETECTION SYSTEM. WHEN ELEVATED LEVELS (JUST BELOW HIGH LIMIT SETPOINT - 40-49 PPM (ADJ.)) OF CARBON MONOXIDE (CO) ARE DETECTED AT ANY SENSOR, A "WARNING" ALARM SHALL BE SENT TO THE BUILDING AUTOMATION SYSTEM (BAS). WHEN CO LEVEL IS DETECTED AT OR ABOVE THE HIGH LIMIT SETPOINT OF 50 PPM (ADJ.) AT ANY SENSOR, THE EXISTING GAS DETECTION SYSTEM SHALL ENERGIZE THE EXISTING AUDIBLE AND LIGHT ALARMS; AND THE BUILDING AUTOMATION SYSTEM SHALL OPEN THE CONNECTED GARAGE DOORS, ENERGIZE THE CONNECTED EXHAUST FAN(S) AT FULL SPEED, DISABLE THE HV-UNIT(S), AND GENERATE AN ALARM AT THE USER INTERFACE. THIS SHALL OCCUR FOR A USER-ADJUSTABLE TIME PERIOD OF 5 MINUTES (ADJ.). AT THE END OF THE USER-ADJUSTABLE TIME PERIOD, SHOULD THE HIGH CONCENTRATIONS OF CO STILL BE ABOVE THE HIGH LIMIT SETPOINT, THE USER-ADJUSTABLE TIME PERIOD SHALL BE RESET. THIS CONDITION IS MAINTAINED UNTIL THE CO LEVELS DROP BELOW HIGH LIMIT SETPOINT.

**SAFETY:** THE BAS SHALL MONITOR THE EXISTING GAS DETECTION SYSTEM FOR: CO SENSOR FAIL FROM THE EXISTING GAS DETECTION SYSTEM AND GENERATE AN ALARM IF ANY CO SENSOR FAILS.



**5 HV-1 & 2 CONTROL DIAGRAM**  
SCALE: NOT TO SCALE

**SCHEDULE:** THE BUILDING AUTOMATION SYSTEM (BAS) CONTROLLER SHALL INCLUDE A USER-ADJUSTABLE TIME-OF-DAY SCHEDULE TO DEFINE WHEN THE VARIOUS AREAS OF THE FACILITY ARE EXPECTED TO BE OCCUPIED VERSUS UNOCCUPIED. THEN, BASED ON CURRENT ZONE CONDITIONS, THE BAS DETERMINES THE CURRENT SYSTEM OPERATING MODE. THE BAS CONTROLLER SHALL SEND THE FOLLOWING OPERATING MODES TO THE UNIT LEVEL CONTROLLERS THAT ARE A MEMBER OF THE AIR SYSTEM: OCCUPIED HEAT, UNOCCUPIED HEAT AND MORNING WARMUP.

**HEATING:** THE HV-UNIT SHALL BE IN HEATING MODE WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 60°F (ADJ.). THE NATURAL GAS HEATING SHALL BE ENABLED ONCE THE SUPPLY FAN HAS BEEN ENABLED AND OPERATING STATUS HAS BEEN CONFIRMED. THE NATURAL GAS HEATING COIL SHALL MODULATE/STAGE CAPACITY TO SATISFY THE SPACE TEMPERATURE SETPOINT.

**ECONOMIZER:** THE HV-UNIT SHALL BE IN ECONOMIZER MODE WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE 75°F AND THE OUTSIDE AIR TEMPERATURE IS BELOW THE SPACE TEMPERATURE.

**OCCUPIED/UNOCCUPIED HEATING MODE:** DURING THE OCCUPIED (6:00AM - 5:00PM, ADJ.) / UNOCCUPIED (5:00PM - 6:00AM, ADJ.) MODE, THE HV-UNIT SHUTS OFF, UNLESS THERE IS A CALL FOR HEATING BASED ON THE OCCUPIED/UNOCCUPIED HEATING SETPOINT. THE HV-UNIT ENABLES THE SUPPLY FAN, CLOSES THE OUTDOOR-AIR DAMPER, AND INCREASES/DECREASES THE SOURCE OF HEATING TO MAINTAIN SPACE TEMPERATURE SETPOINT. OCCUPIED HEATING SETPOINT SHALL BE 60°F (ADJ.), UNOCCUPIED HEATING SETPOINT SHALL BE 50°F (ADJ.).

**OCCUPIED/UNOCCUPIED ECONOMIZER MODE:** DURING THE UNOCCUPIED MODE, THE HV-UNIT SHUTS OFF. DURING THE OCCUPIED MODE, THE HV-UNIT SHUTS OFF UNLESS SPACE TEMPERATURE IS ABOVE 75° AND THE OUTSIDE AIR TEMPERATURE IS BELOW SPACE TEMPERATURE. THE HV-UNIT ENABLES THE SUPPLY FAN, OPENS THE OUTDOOR-AIR DAMPER, MODULATES THE OUTSIDE AIR / RETURN AIR DAMPER TO MAINTAIN SPACE TEMPERATURE SETPOINT, AND ENABLES ITS RESPECTIVE EXHAUST FAN (HV-1 = EF-1 / HV-2 = EF-2) AT A SPEED TO MATCH OUTSIDE AIR. OCCUPIED ECONOMIZER SETPOINT SHALL BE 75°F (ADJ.).

**MORNING WARMUP/PRE-COOL:** DURING OPTIMAL START, IF THE SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT A MORNING WARMUP MODE SHALL BE ACTIVATED. WHEN MORNING WARMUP IS INITIATED, THE UNIT SHALL ENABLE THE HEATING AND SUPPLY FAN. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED. WHEN THE SPACE TEMPERATURE REACHES THE OCCUPIED HEATING SETPOINT (ADJ.), THE UNIT SHALL TRANSITION TO THE OCCUPIED MODE. DURING OPTIMAL START, IF THE SPACE TEMPERATURE IS ABOVE THE OCCUPIED ECONOMIZER SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS BELOW THE SPACE TEMPERATURE, PRE-COOL MODE SHALL BE ACTIVATED. WHEN PRE-COOL IS INITIATED THE UNIT SHALL ENABLE THE FAN, OUTSIDE AIR DAMPER, AND EXHAUST FAN. WHEN THE SPACE TEMPERATURE REACHES OCCUPIED COOLING SETPOINT (ADJ.), THE UNIT SHALL TRANSITION TO THE OCCUPIED MODE.

**OPTIMAL START:** THE BAS SHALL MONITOR THE SCHEDULED OCCUPIED TIME, OCCUPIED SPACE SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL START OCCURS.

**FILTER STATUS:** A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER(S) WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSURES DURING NORMAL OPERATION A DIRTY FILTER ALARM SHALL ANNUNCIATE AT THE BAS.

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON 2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	CHS
DRAWN BY:	CHS
CHECKED BY:	CHS



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FACILITY RENOVATIONS PHASE II

**BID ALTERNATE - CONTROLS**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**M802**

# FIRE ALARM SYSTEM NOTES

- EXISTING FIRE ALARM CONTROL PANEL IS MAINTAINED BY DOYLE SECURITY (845-896-9500).
- CONTRACTOR SHALL EXTEND ALL REQUIRED FIRE ALARM WIRING FOR NEW DEVICES SHOWN FROM THE EXISTING FIRE ALARM CONTROL PANEL OR NEAREST INITIATION OR NOTIFICATION LOOP.
- CONTRACTOR SHALL PROVIDE PLENUM RATED FIRE ALARM WIRING FOR NEW DEVICES. WIRING SHALL BE WITHIN CONDUIT IN GARAGE AREAS OR IF NOT INSTALLED ABOVE AN ACCESSIBLE CEILING. PROVIDE WIRING PER MANUFACTURER RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE ALL NEW INITIATION AND NOTIFICATION DEVICES IN LOCATIONS SHOWN COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.
- ALL CARBON MONOXIDE (CO) DETECTORS SHALL HAVE SOUNDER BASES AND CONNECT TO THE FIRE ALARM SYSTEM IN COMPLIANCE WITH NFPA 720 AND THE NEW YORK STATE BUILDING CODE. THE DETECTION OF CARBON MONOXIDE SHALL INITIATE THE SOUNDER BASE, A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR AND CONTACT REMOTE MONITORING STATION IN COMPLIANCE WITH NFPA 720. PROVIDE ADDITIONAL WIRING AS NEEDED FOR SOUNDER BASES.
- CONTRACTOR SHALL PROVIDE FIRE ALARM CONNECTIONS TO REPLACEMENT ROOFTOP UNITS AC1 & AC2 FOR SHUTDOWN UPON DETECTION OF SMOKE IN THE OFFICE AREAS. EXISTING DUCT SMOKE DETECTORS ASSOCIATED WITH THE REMOVED UNITS SHALL REMAIN.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED PROGRAMMING, HARDWARE AND SOFTWARE MODIFICATIONS TO THE EXISTING SYSTEM FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
- CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.

LIGHTING FIXTURE SCHEDULE							
LABEL	TYPE	DESCRIPTION	LAMPS	VOLTS	DRIVER	MOUNT	MANUFACTURER
A	LED	2X2' RECESSED LED LENSED TROFFER WITH #19 PATTERN ACRYLIC LENS, 4000 LUMENS AT 3500K COLOR TEMPERATURE.	34W LED 3500K	MVOLT	LED	RECESSED	LITHONIA '2GTL' SERIES OR APPROVED EQUAL
B	LED	2' LONG X 5.5" HIGH X 3.5" DEEP LED WALL MOUNTED WRAPAROUND FIXTURE WITH CURVED SMOOTH LENS, 800 LUMENS AT 3500K.	7W LED 3500K	MVOLT	LED	WALL	LITHONIA 'BLWP2' SERIES OR APPROVED EQUAL
C	LED	25.6"W x 15.51"L x 2.68"D CHAIN HUNG HIGH BAY LED WITH GENERAL DISTRIBUTION, ACRYLIC FROSTED LENSES, 12000 LUMENS AT 4000K	76W LED 4000K	MVOLT	LED	CHAIN HUNG	LITHONIA 'BG' SERIES OR APPROVED EQUAL
D	LED	LED EXTERIOR WALLPACK WITH BOROSILICATE GLASS LENS TO MATCH EXISTING BUILDING MOUNTED FIXTURES, 13.2" WIDE X 7.2" DEEP X 9.4" HIGH, 4000K COLOR TEMPERATURE, ADJUSTABLE LUMENS FROM 2300-8500, INTEGRAL PHOTOCELL, DARK BRONZE FINISH. ADJUST LUMENS IN FIELD TO OWNER PREFERENCE.	16-59W LED 4000K	MVOLT	LED	WALL EXTERIOR	LITHONIA 'TWR1' SERIES OR APPROVED EQUAL. FIXTURE SHALL MATCH EXISTING WALL MOUNTED EXTERIOR FIXTURES IN APPEARANCE.
	LED	2-LAMP LED EMERGENCY LIGHTING UNIT, SEALED 90 MINUTE NICKEL METAL HYDRIDE BATTERY, WHITE THERMOPLASTIC HOUSING, SELF DIAGNOSTICS, WALL MOUNTED.	(2) 1.5W LED	MVOLT	LED	WALL	BEGHELLI PEH-1 SERIES OR APPROVED EQUAL
	LED	COMBINATION EMERGENCY EXIT SIGN AND 2-LAMP LED EMERGENCY LIGHTING UNIT, THERMOPLASTIC HOUSING, RED LETTERS, NUMBER OF FACES & ARROWS AS SHOWN ON PLANS. SELF DIAGNOSTICS, WALL MOUNTED, SEALED 90 MINUTE NICAD BATTERY		MVOLT	LED	WALL	BEGHELLI 'PCH' SERIES OR APPROVED EQUAL

1. PROVIDE FIXTURE WHIPS FOR ALL FIXTURES REQUIRING THEM.  
2. PROVIDE LAMPING FOR ALL FIXTURES.

PANEL 'PPD-SUB' SCHEDULE		2008/120 3Ø 4W, SURFACE NEMA 1 60A MAIN LUG, 1-18 POS SECTION * = GROUND FAULT INTERRUPTER	
1	-	2	- 20/1 TIRE BALANCER
3	- 3Ø3	4	- 20/1 EXTERIOR RECEPTACLES
5	-	6	- 20/1 INTERIOR LIGHTING
7	- 20/1	8	- 15/1 UNIT HEATERS
9	- 20/1	10	- 15/1 CEILING FAN
11	- 20/1	12	- 20/1 SPARE
13	- 20/1	14	- 20/1 SPARE
15	- -/-	16	- -/- SPARE
17	- -/-	18	- -/- SPARE

CIRCUIT WIRING TABLE							
TYPE	WIRES		CONDUIT SIZE	TYPE	WIRES		CONDUIT SIZE
	NO.	SIZE			NO.	SIZE	
①	2	12	.75	②②	4	6G	1.25
②	3	12	.75	②③	3	4	1.25
③	4	12	.75	②④	1	8G	
④	2	12	.75	②⑤	2	2	1.25
⑤	1	10N	.75	②⑥	1	2G	
⑥	3	12	.75	②⑦	3	2	1.25
⑦	1	10N	.75	②⑧	4	2	1.25
⑧	6	12	.75	②⑨	1	6G	1.25
⑨	6	12	.75	②⑩	3	10	2.0
⑩	1	12G	.75	②⑪	1	6G	
⑪	2	10	.75	②⑫	4	10	2.0
⑫	1	10G	.75	②⑬	1	6G	2.0
⑬	3	10	.75	②⑭	4	20	2.0
⑭	1	10G	.75	②⑮	1	6G	2.0
⑮	4	10	.75	②⑯	4	20	2.0
⑯	1	10G	.75	②⑰	1	4G	2.0
⑰	6	10	.75	②⑱	3	40	2.5
⑱	1	10G	.75	②⑲	1	4G	
⑲	7	10	.75	②⑳	4	40	2.5
⑳	1	10G	.75	②㉑	1	4G	2.5
㉑	8	10	.75	②㉒	4	40	2.5
㉒	1	10G	.75	②㉓	1	4G	2.5
㉓	2	8	1.0	②㉔	4	40	2.5
㉔	1	8G	1.0	②㉕	1	2G	
㉕	3	8	1.0	②㉖	3	250	2.5
㉖	1	10G	1.0	②㉗	1	4G	
㉗	4	8	1.0	②㉘	4	250	3.0
㉘	1	8G	1.0	②㉙	1	4G	
㉙	-	-	-	②㉚	4	250	3.0
㉚	-	-	-	②㉛	1	2G	
㉛	2	6	1.0	②㉜	4	500	4.0
㉜	1	6G	1.0	②㉝	1	3G	
㉝	3	6	1.0	②㉞	4	500	4.0
㉞	1	8G	1.0	②㉟	1	100G	
㉟	4	6	1.25	②㊱	8	500	2.4.0
㊱	1	6G	1.25	②㊲	2	100G	

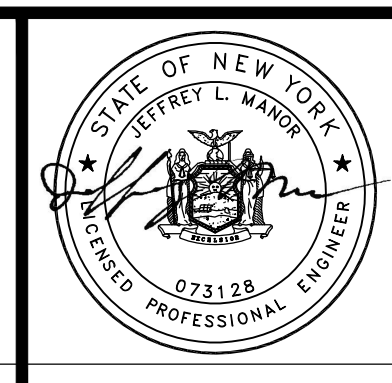
ELECTRICAL ABBREVIATIONS	
#	NUMBER
AC	MOUNTED HORIZONTALLY 6" ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BB	MOUNTED HORIZONTALLY IN BASEBOARD
BKR	BREAKER
C	CONDUIT
CKT	CIRCUIT
CL	CLOCK
CLG	CEILING
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E or (E)	EXISTING
ELEV	ELEVATION
ER	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FL	FLOOR
FS	FLOW SWITCH
FT	FEET OR FOOT
G	GROUND
GFI	GROUND FAULT INTERRUPTOR
GRSC	GALVANIZED RIGID STEEL CONDUIT
HP	HORSEPOWER
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OC	ON CENTER
PR	PAIR
SF	SQUARE FEET OR SQUARE FOOT
SH	SHIELDED
TW	TWISTED
TYP	TYPICAL
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
<b>WIRING</b>	
	PANEL & CIRCUIT ID
	CIRCUIT WIRING TYPE (DIMENSION UNLESS OTHERWISE NOTED)
	HOME RUN
	CIRCUIT BREAKER (90% UNLESS OTHERWISE NOTED)
<b>LIGHTING</b>	
	SURFACE OR RECESSED MOUNT LED
	WALL MOUNTED LED
	CEILING MOUNTED LED
	EXIT LIGHT
	COMBINATION EMERGENCY/EXIT LIGHT
	EMERGENCY LIGHTING UNIT
<b>PANELBOARDS (PLAN VIEW)</b>	
	(120/208) VOLT PANELBOARD
	(277/480) VOLT PANELBOARD
<b>LOCAL SWITCHES</b>	
	SINGLE POLE
	THREEWAY
	FOURWAY
	DIMMER
	MOTOR OVERLOAD
	OCCUPANCY SENSOR
	DIMMING OCCUPANCY SENSOR
<b>OUTLETS</b>	
	1'-6" MOUNTING HEIGHT
	SPECIAL MOUNTING HEIGHT
	CEILING MOUNTED OUTLET
	QUAD OUTLET, 1'-6" MOUNTING HEIGHT
	SPECIAL PURPOSE (SEE SPECIFICATION)
	WALL MOUNTED TELEPHONE/DATA
	FLOOR MOUNTED TELEPHONE/DATA
	TELEVISION OUTLET
<b>JUNCTION BOXES</b>	
	POWER JUNCTION BOX
	DATA JUNCTION BOX
<b>FIRE ALARM SYSTEM</b>	
	AUDIBLE VISIBLE SIGNAL
	VISIBLE SIGNAL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL PULL STATION
	MAGNETIC DOOR HOLDER
	SMOKE DAMPER
	DUCT SMOKE DETECTOR
<b>EQUIPMENT</b>	
	MOTOR
	DISCONNECT SWITCH
	MOTOR STARTER
	COMBINATION MOTOR STARTER

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SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SC
DRAWN BY:	SC
CHECKED BY:	JLM



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FACILITY RENOVATIONS PHASE II  
**SYMBOLS LEGEND, ABBREVIATIONS AND SCHEDULES**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

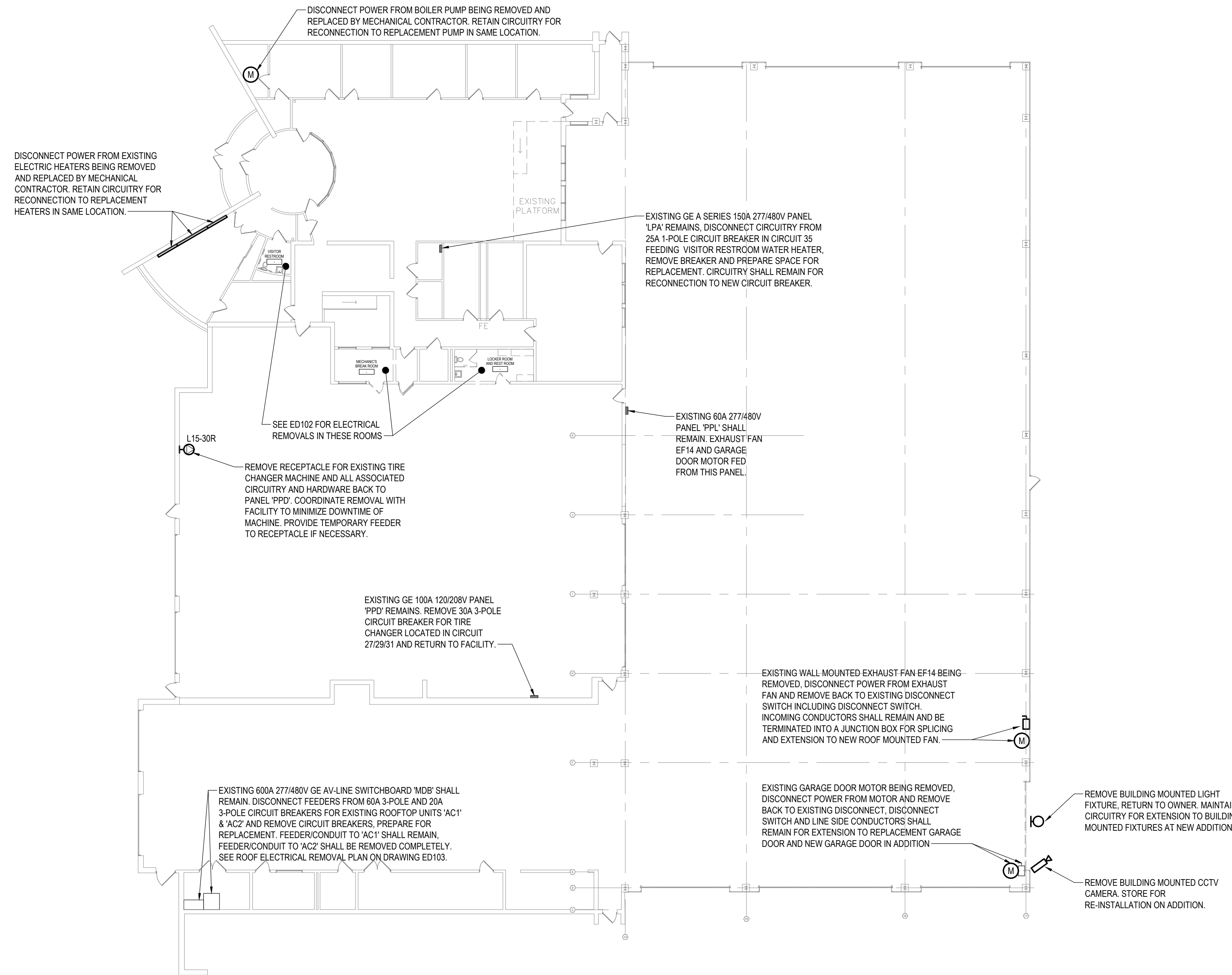
**E001**

## GENERAL NOTES

1. CONTRACTOR SHALL SIZE CONDUIT AND CONDUCTORS FOR VOLTAGE DROP PER THE CURRENT ADOPTED VERSION OF THE NEC BASED ON LINEAR CONDUIT RUN.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT OF ORDER OF ALL MECHANICAL EQUIPMENT.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BID DATE AND VERIFYING THE EXACT EXTENT OF EXISTING CONDITIONS.
4. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE-RATED WALLS AND FLOORS.

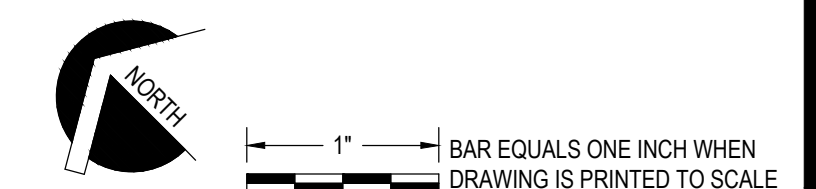
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8. CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.



# 1 ELECTRICAL REMOVAL PLAN

SCALE: 1/16" = 1'-0"



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No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
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FACILITY RENOVATIONS PHASE II

**ELECTRICAL REMOVAL PLAN**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

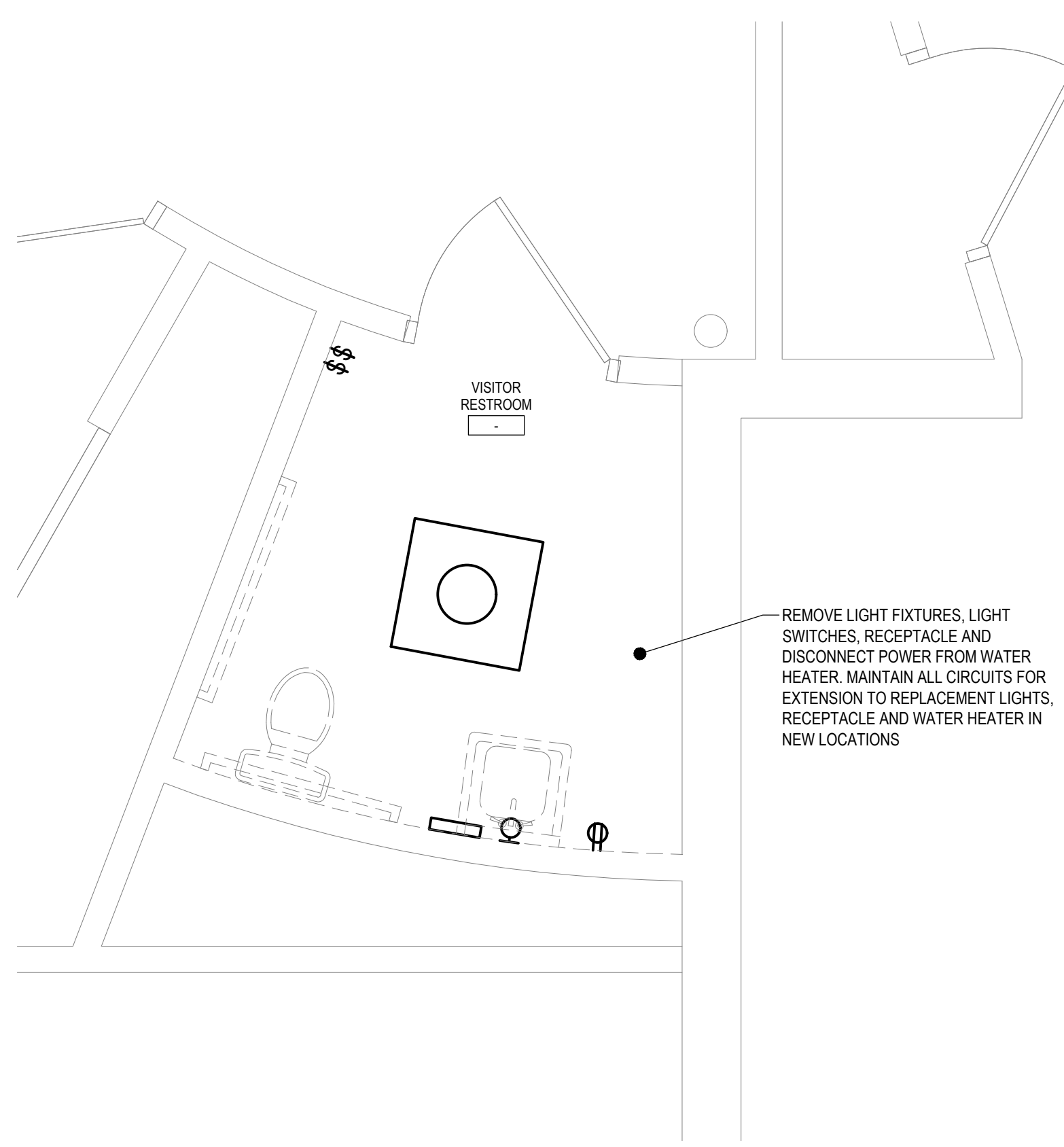
**ED101**

## GENERAL NOTES

- CONTRACTOR SHALL SIZE CONDUIT AND CONDUCTORS FOR VOLTAGE DROP PER THE CURRENT ADOPTED VERSION OF THE NEC BASED ON LINEAR CONDUIT RUN.
- ELECTRICAL CONTRACTOR SHALL COORDINATE MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT OF ORDER OF ALL MECHANICAL EQUIPMENT.
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- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE-RATED WALLS AND FLOORS.

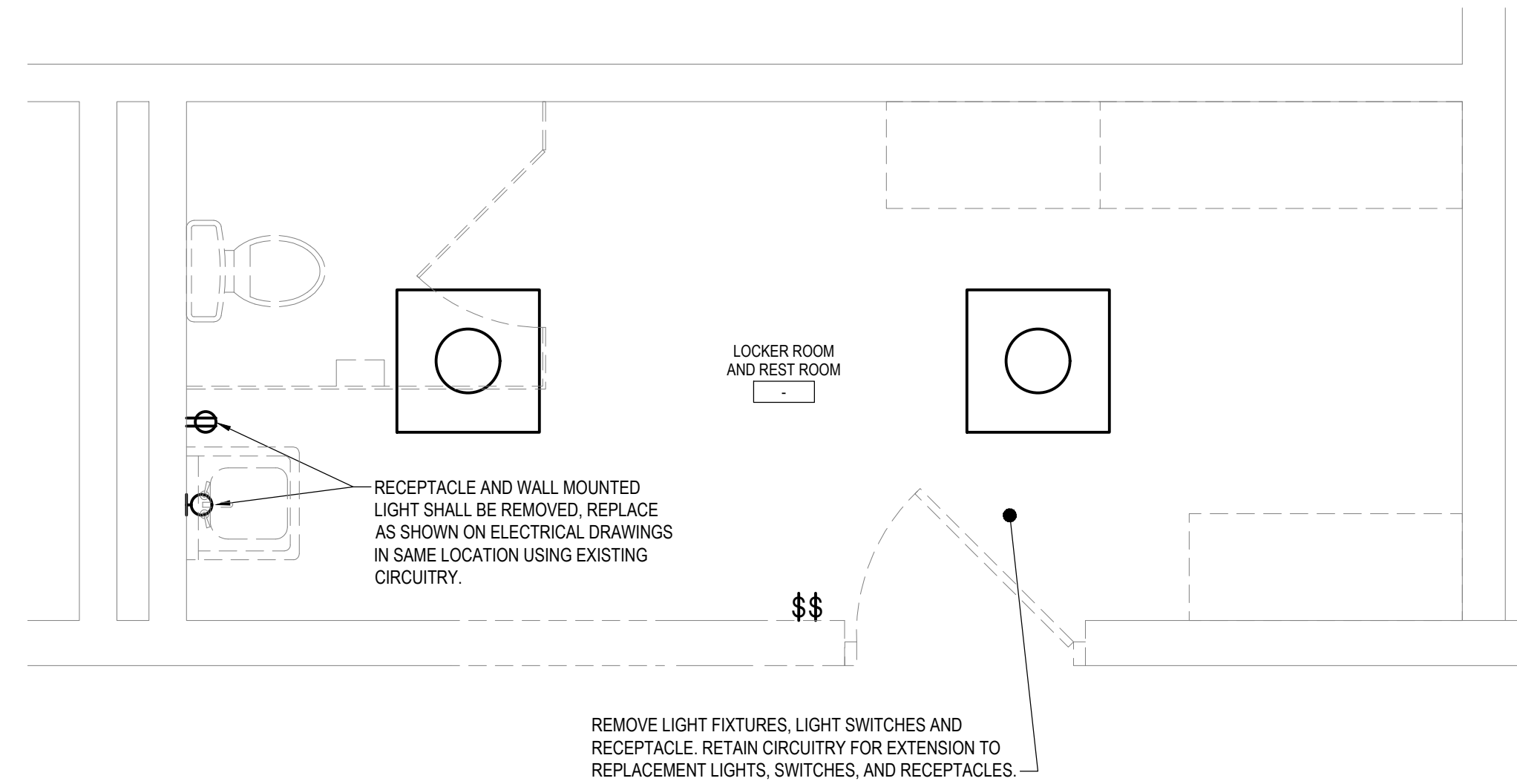
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- CONTRACTOR SHALL PROVIDE ALL REQUIRED PROGRAMMING, HARDWARE AND SOFTWARE MODIFICATIONS TO THE EXISTING SYSTEM FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
- CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.



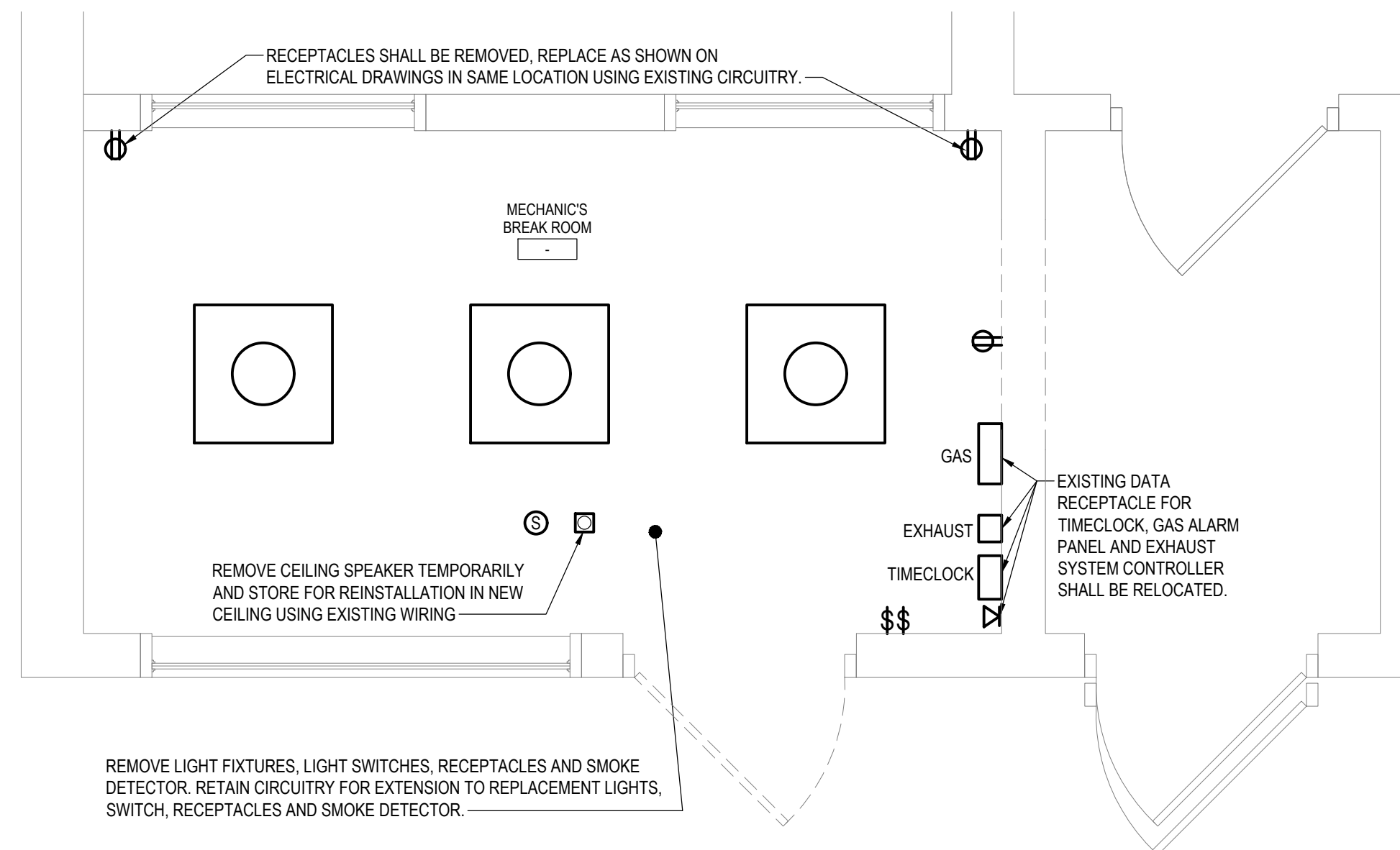
**1 VISITOR RESTROOM ELECTRICAL REMOVAL PLAN**

SCALE: 1/2" = 1'-0"



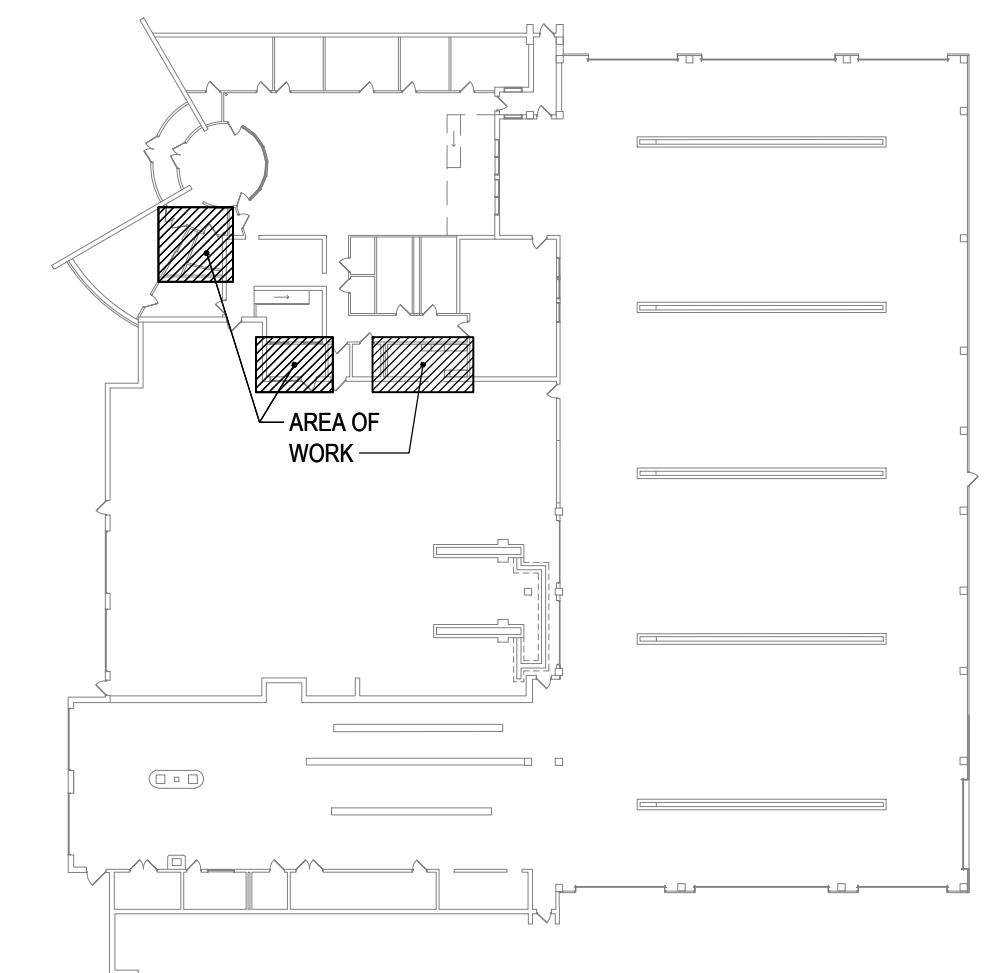
**2 LOCKER ROOM AND REST ROOM ELECTRICAL REMOVAL PLAN**

SCALE: 1/2" = 1'-0"



**3 MECHANIC'S BREAK ROOM ELECTRICAL REMOVAL PLAN**

SCALE: 1/2" = 1'-0"



## KEYPLAN

SCALE: NOT TO SCALE



1" = 1' BAR EQUALS ONE INCH WHEN DRAWING IS PRINTED TO SCALE

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PROJ. MANAGER:	MTF
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FACILITY RENOVATIONS PHASE II

**ENLARGED ELECTRICAL REMOVAL PLANS**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**ED102**

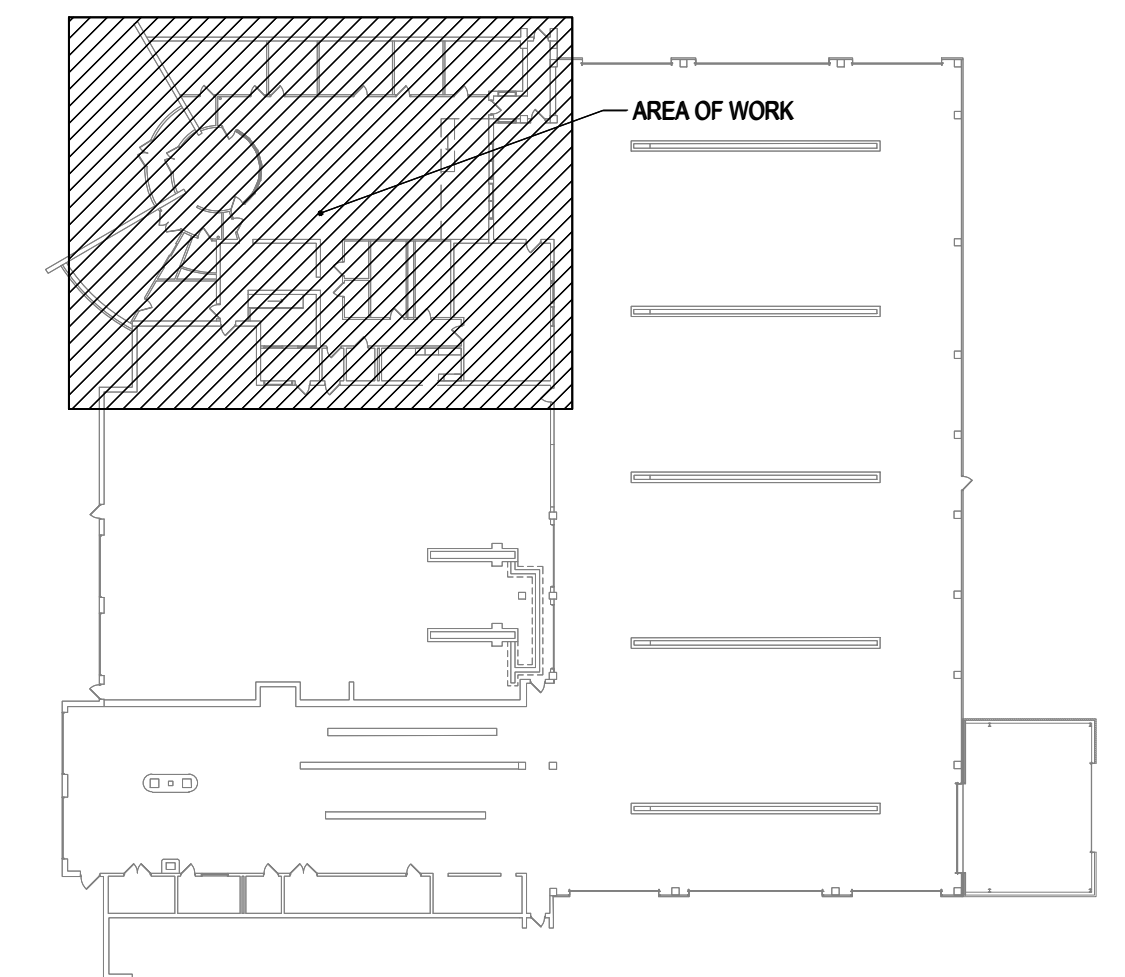
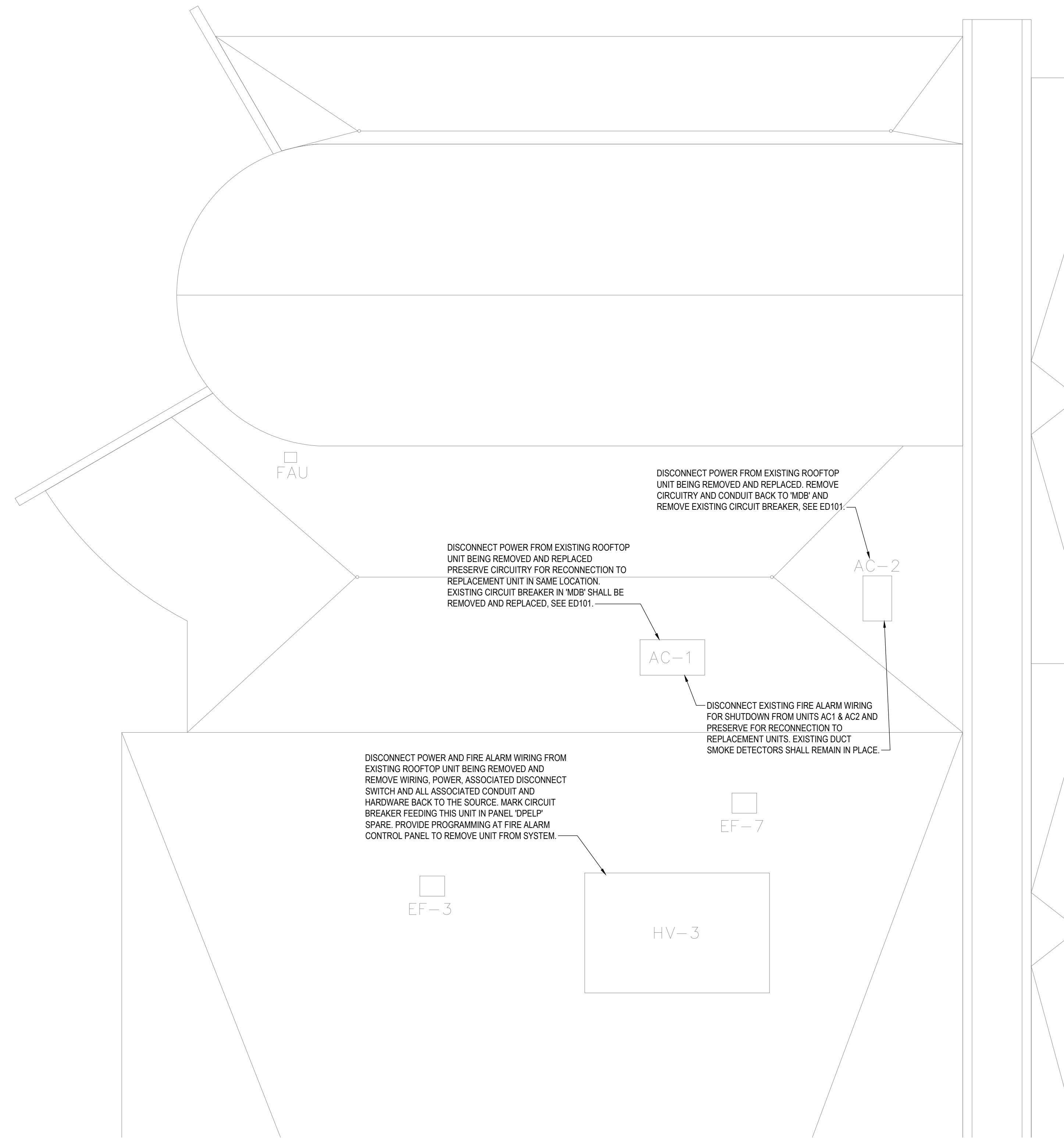
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 SAVER: 1/9/2024 11:59:41 AM

### GENERAL NOTES

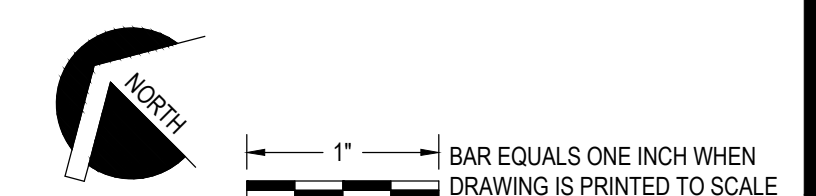
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2. ELECTRICAL CONTRACTOR SHALL COORDINATE MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT OF ORDER OF ALL MECHANICAL EQUIPMENT.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BID DATE AND VERIFYING THE EXACT EXTENT OF EXISTING CONDITIONS.
4. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE-RATED WALLS AND FLOORS.

### FIRE ALARM SYSTEM NOTES

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2. CONTRACTOR SHALL EXTEND ALL REQUIRED FIRE ALARM WIRING FOR NEW DEVICES SHOWN FROM THE EXISTING FIRE ALARM CONTROL PANEL OR NEAREST INITIATION OR NOTIFICATION LOOP.
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8. CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.



**KEYPLAN**  
SCALE: NOT TO SCALE



## 1 ROOF ELECTRICAL REMOVAL PLAN

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

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CHIEF DESIGNER:	NGC
DESIGNED BY:	SC
DRAWN BY:	SC
CHECKED BY:	JLM



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FACILITY RENOVATIONS PHASE II  
**ROOF ELECTRICAL REMOVAL PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**ED103**

## GENERAL NOTES

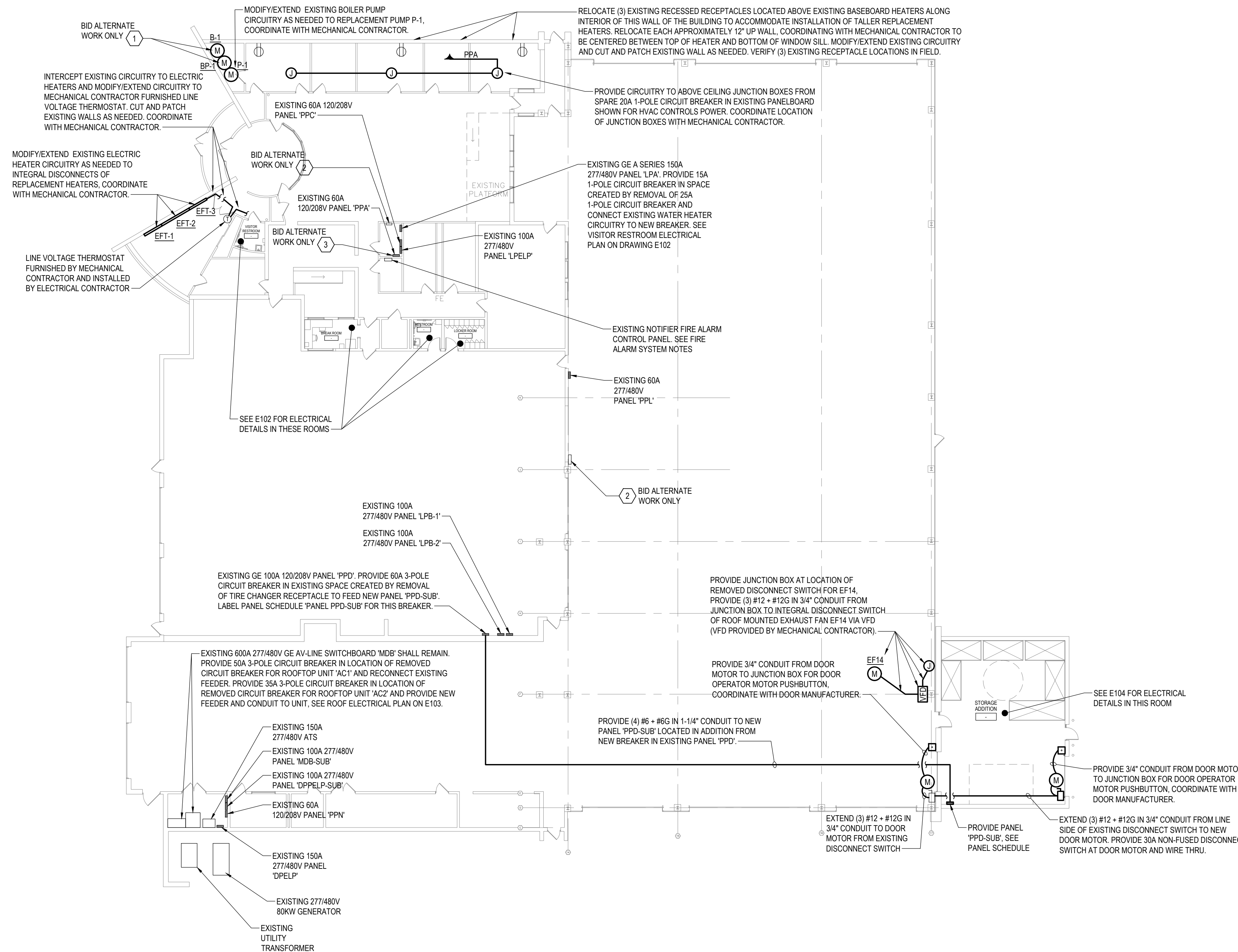
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- CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.

## BID ALTERNATE KEYED NOTES

- BID ALTERNATE WORK ONLY:** DISCONNECT POWER FROM EXISTING BUILDING AUTOMATION CONTROL SYSTEM PANEL BEING REMOVED AND REPLACED BY MECHANICAL CONTRACTOR. RECONNECT POWER TO REPLACEMENT BUILDING AUTOMATION CONTROL SYSTEM PANEL IN SAME LOCATION. MODIFY/EXTEND CIRCUITRY AS NEEDED. COORDINATE WITH MECHANICAL CONTRACTOR.
- BID ALTERNATE WORK ONLY:** DISCONNECT POWER FROM EXISTING BOILER AND ASSOCIATED BOILER PUMP BEING REMOVED AND REPLACED BY MECHANICAL CONTRACTOR. PRESERVE CIRCUITRY AND TERMINATE IN MOTOR RATED SWITCH. EXTEND (2) #12 + #12G IN 3/4" CONDUIT FROM SWITCH TO REPLACEMENT BOILER PUMP. COORDINATE WITH MECHANICAL CONTRACTOR. PROVIDE (2) #12 + #12G IN 3/4" CONDUIT FROM SPARE 20A SINGLE POLE CIRCUIT BREAKER IN PANEL 'PPC' TO NEW PUMP P-1.
- BID ALTERNATE WORK ONLY:** DISCONNECT 20A SINGLE PHASE POWER TO ROOFTOP FAN EF-7 AT EXISTING PANEL 'PPA' AND REROUTE THRU CONTROLLER PROVIDED BY MECHANICAL CONTRACTOR. MODIFY/EXTEND EXISTING CIRCUITRY AS NEEDED. COORDINATE EXACT LOCATION OF CONTROLLER WITH MECHANICAL CONTRACTOR.



**1 ELECTRICAL PLAN**  
SCALE: 1/16" = 1'-0"



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SAVED: 1/29/2024 4:16:32 PM  
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No.	DATE	DESCRIPTION	BY	REVIEWED BY:
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON

PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
DESIGNED BY:	SC
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FACILITY RENOVATIONS PHASE II

**ELECTRICAL PLAN**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**E101**

## GENERAL NOTES

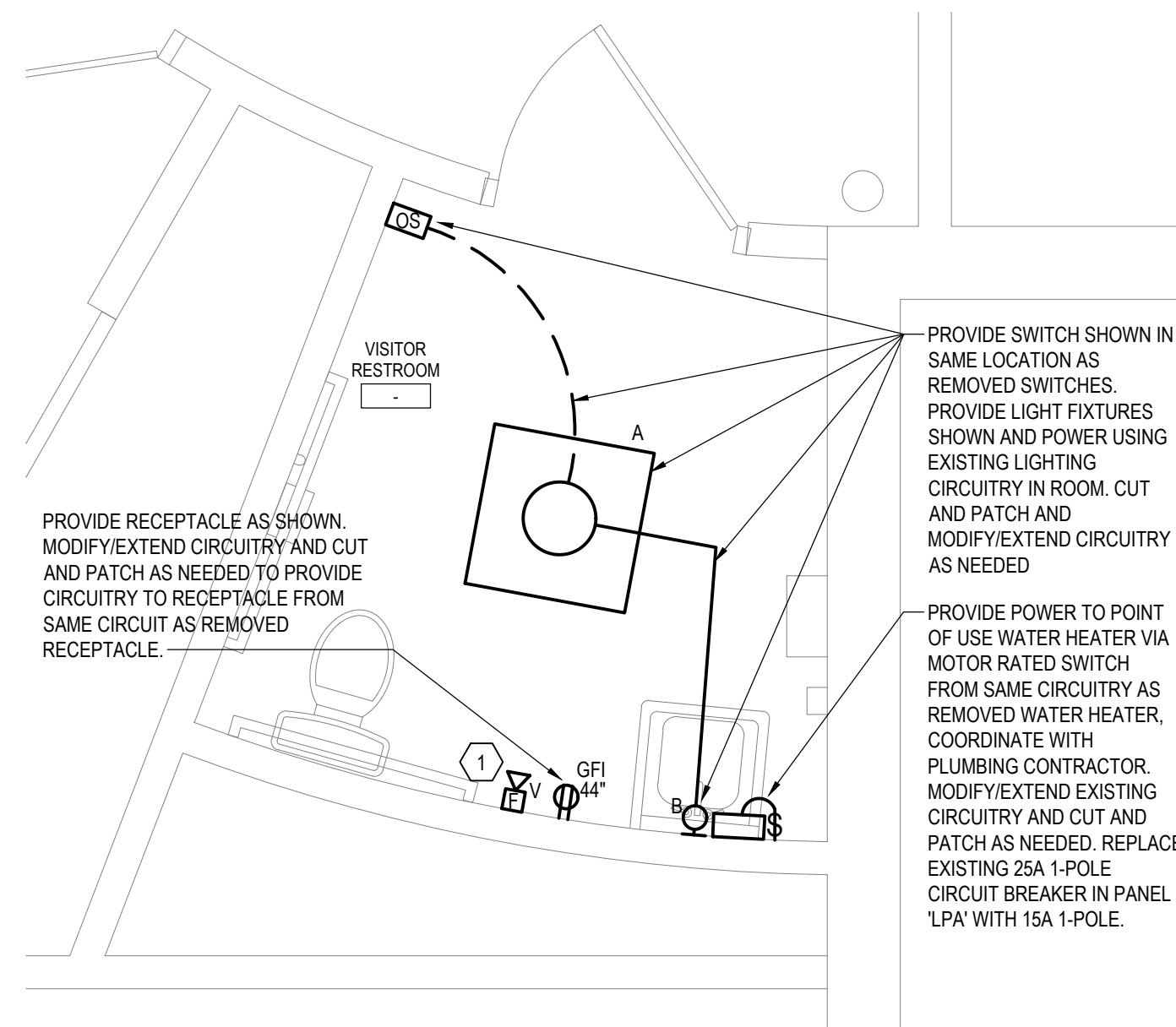
- CONTRACTOR SHALL SIZE CONDUIT AND CONDUCTORS FOR VOLTAGE DROP PER THE CURRENT ADOPTED VERSION OF THE NEC BASED ON LINEAR CONDUIT RUN.
- ELECTRICAL CONTRACTOR SHALL COORDINATE MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT OF ORDER OF ALL MECHANICAL EQUIPMENT.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BID DATE AND VERIFYING THE EXACT EXTENT OF EXISTING CONDITIONS.
- PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE-RATED WALLS AND FLOORS.

## KEYED NOTES

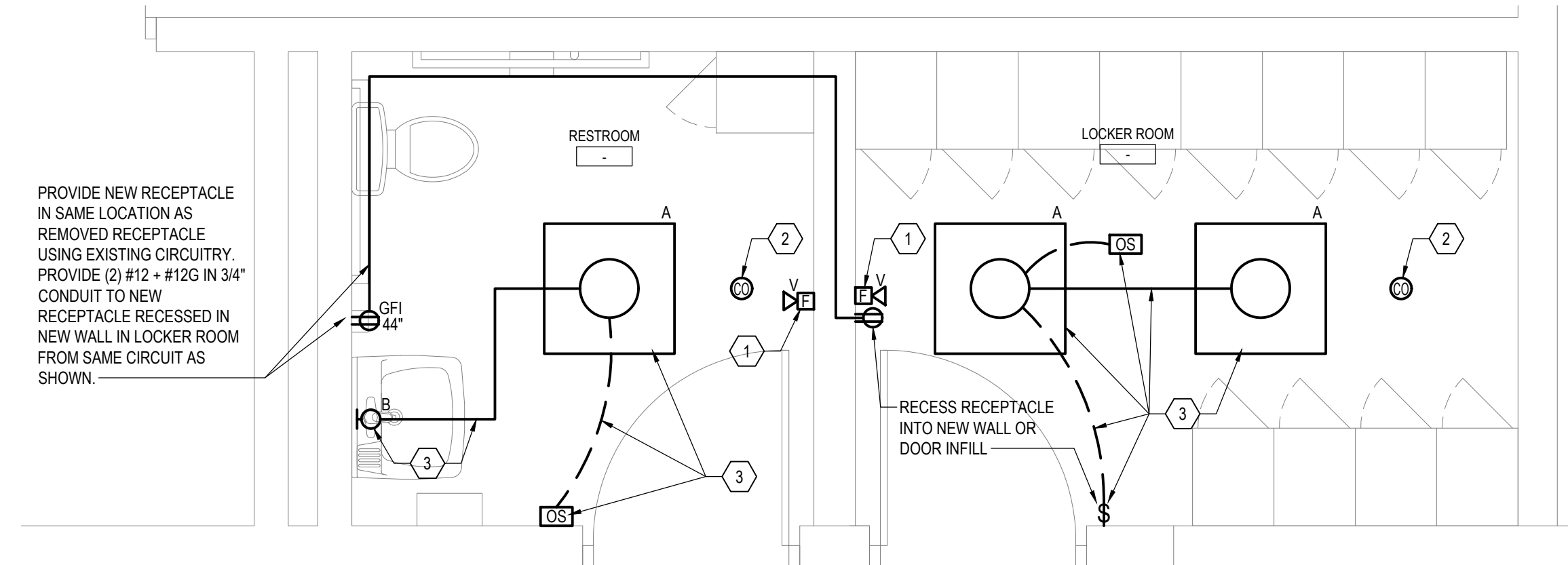
- EXTEND EXISTING FIRE ALARM NOTIFICATION CIRCUIT TO NEW NOTIFICATION DEVICE SHOWN. PROVIDE ALL REQUIRED PROGRAMMING AND HARDWARE AT EXISTING FIRE ALARM CONTROL PANEL FOR ADDITION OF DEVICE.
- EXTEND EXISTING FIRE ALARM INITIATION CIRCUIT TO NEW INITIATION DEVICE SHOWN. PROVIDE ALL REQUIRED PROGRAMMING AND HARDWARE AT EXISTING FIRE ALARM CONTROL PANEL FOR ADDITION OF DEVICE. CO DETECTORS SHALL HAVE SOUNDER BASES.
- PROVIDE SWITCH AND LIGHT FIXTURES AS SHOWN. PROVIDE POWER USING EXISTING LIGHTING CIRCUITRY IN ROOM. CUT AND PATCH WALLS AND MODIFY/EXTEND CIRCUITRY AS NEEDED.

## FIRE ALARM SYSTEM NOTES

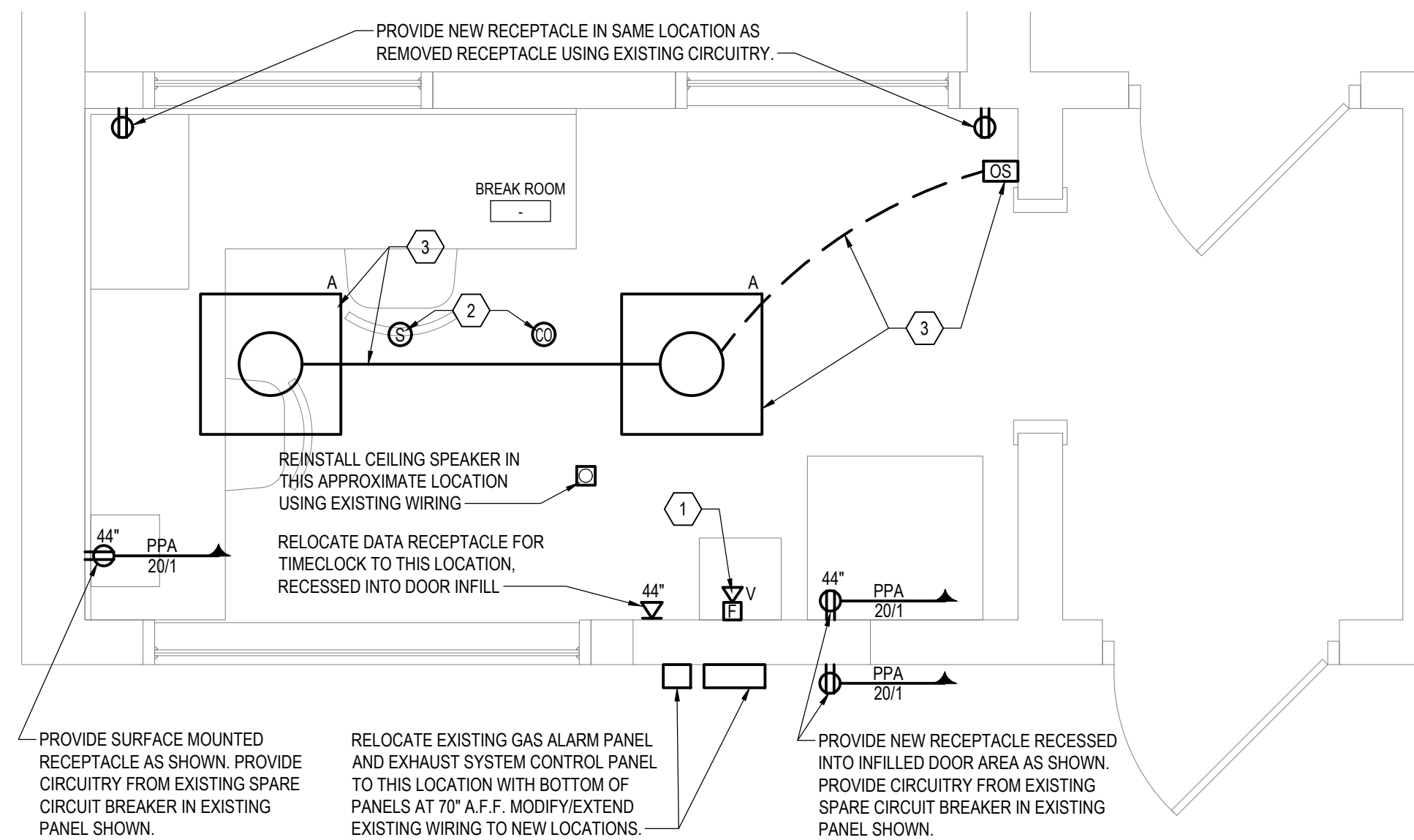
- EXISTING FIRE ALARM CONTROL PANEL IS MAINTAINED BY DOYLE SECURITY (845-896-9500).
- CONTRACTOR SHALL EXTEND ALL REQUIRED FIRE ALARM WIRING FOR NEW DEVICES SHOWN FROM THE EXISTING FIRE ALARM CONTROL PANEL OR NEAREST INITIATION OR NOTIFICATION LOOP.
- CONTRACTOR SHALL PROVIDE PLENUM RATED FIRE ALARM WIRING FOR NEW DEVICES. WIRING SHALL BE WITHIN CONDUIT IN GARAGE AREAS OR IF NOT INSTALLED ABOVE AN ACCESSIBLE CEILING. PROVIDE WIRING PER MANUFACTURER RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE ALL NEW INITIATION AND NOTIFICATION DEVICES IN LOCATIONS SHOWN COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.
- ALL CARBON MONOXIDE (CO) DETECTORS SHALL HAVE SOUNDER BASES AND CONNECT TO THE FIRE ALARM SYSTEM IN COMPLIANCE WITH NFPA 720 AND THE NEW YORK STATE BUILDING CODE. THE DETECTION OF CARBON MONOXIDE SHALL INITIATE THE SOUNDER BASE. A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR AND CONTACT REMOTE MONITORING STATION IN COMPLIANCE WITH NFPA 720. PROVIDE ADDITIONAL WIRING AS NEEDED FOR SOUNDER BASES.
- CONTRACTOR SHALL PROVIDE FIRE ALARM CONNECTIONS TO REPLACEMENT ROOFTOP UNITS AC1 & AC2 FOR SHUTDOWN UPON DETECTION OF SMOKE IN THE OFFICE AREAS. EXISTING DUCT SMOKE DETECTORS ASSOCIATED WITH THE REMOVED UNITS SHALL REMAIN.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED PROGRAMMING, HARDWARE AND SOFTWARE MODIFICATIONS TO THE EXISTING SYSTEM FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
- CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.



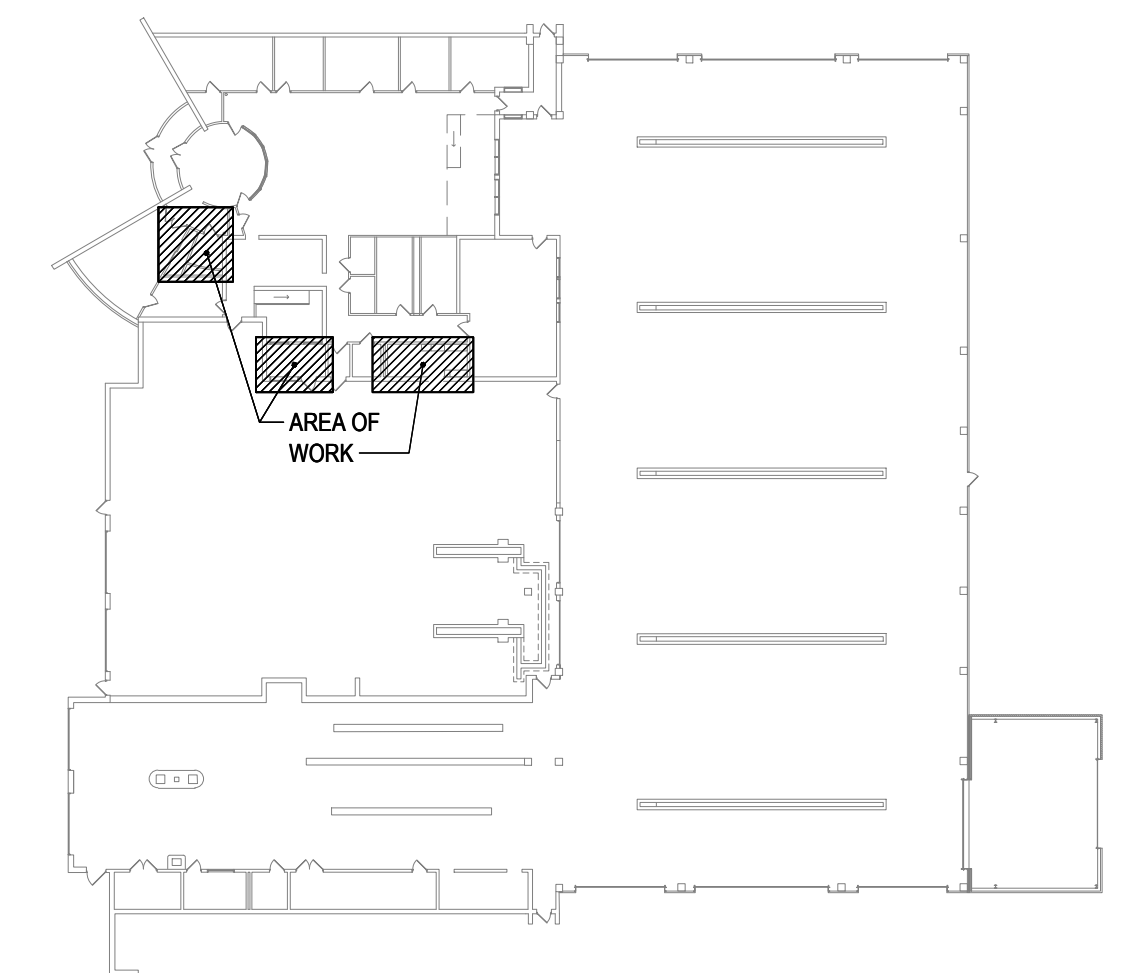
**1 VISITOR RESTROOM ELECTRICAL PLAN**  
SCALE: 1/2" = 1'-0"



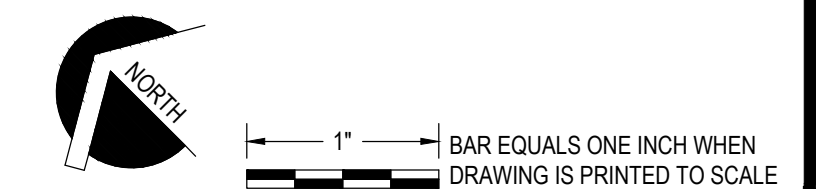
**2 LOCKER ROOM AND REST ROOM ELECTRICAL PLAN**  
SCALE: 1/2" = 1'-0"



**3 MECHANIC'S BREAK ROOM ELECTRICAL PLAN**  
SCALE: 1/2" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



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USER: NICHOLAS DELPRADO  
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PROJ. MANAGER:	MTF
CHIEF DESIGNER:	NGC
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FACILITY RENOVATIONS PHASE II  
**ENLARGED RESTROOM AND BREAKROOM ELECTRICAL PLANS**  
DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**E102**



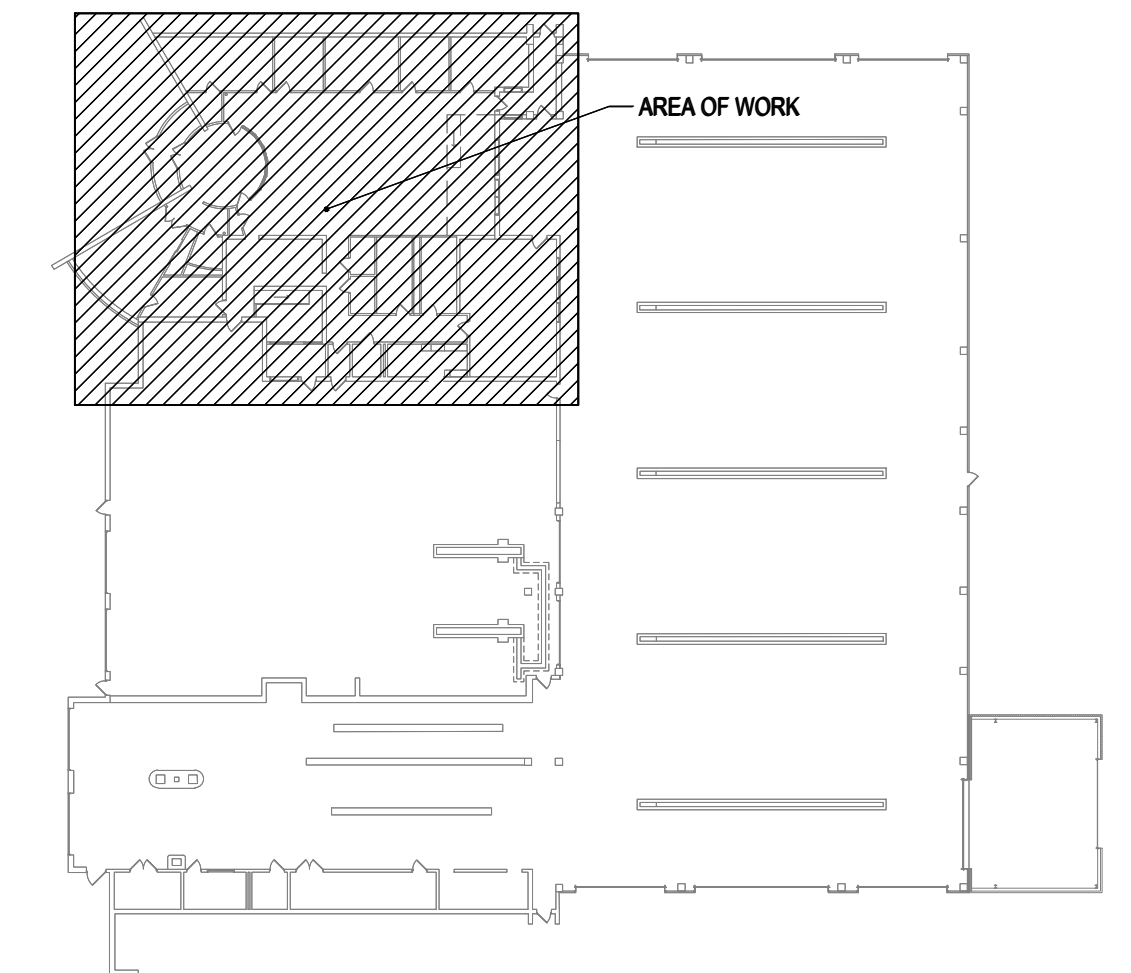
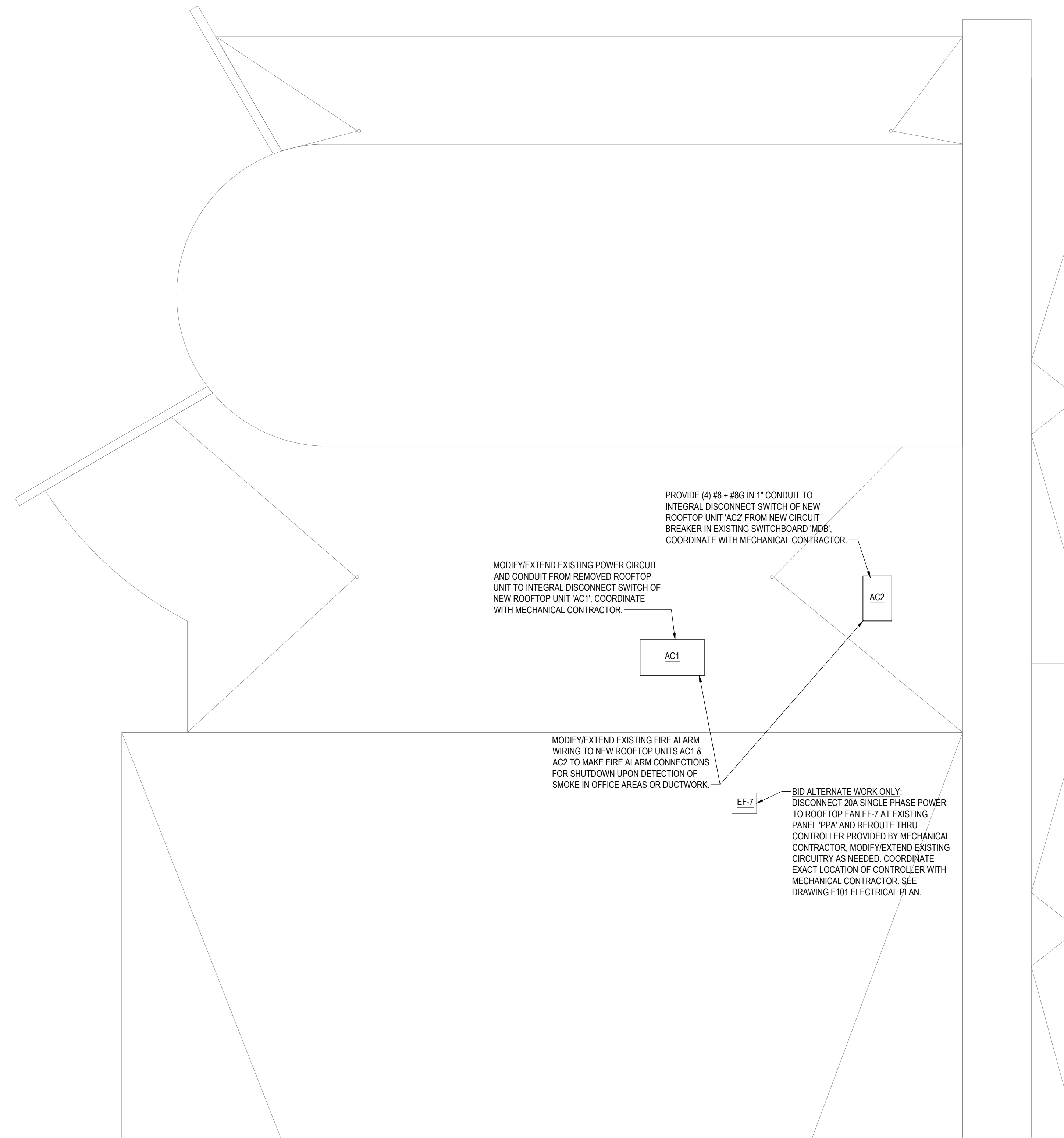
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 SAVER: 1/9/2024 11:59:22 AM

### GENERAL NOTES

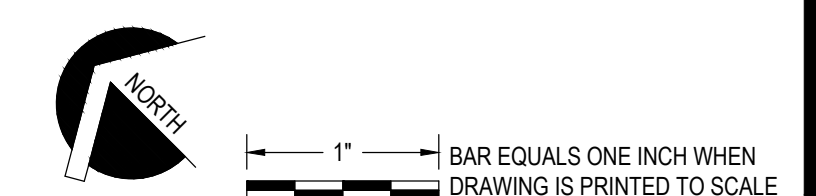
1. CONTRACTOR SHALL SIZE CONDUIT AND CONDUCTORS FOR VOLTAGE DROP PER THE CURRENT ADOPTED VERSION OF THE NEC BASED ON LINEAR CONDUIT RUN.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO PLACEMENT OF ORDER OF ALL MECHANICAL EQUIPMENT.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BID DATE AND VERIFYING THE EXACT EXTENT OF EXISTING CONDITIONS.
4. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE-RATED WALLS AND FLOORS.

### FIRE ALARM SYSTEM NOTES

1. EXISTING FIRE ALARM CONTROL PANEL IS MAINTAINED BY DOYLE SECURITY (845-896-9500).
2. CONTRACTOR SHALL EXTEND ALL REQUIRED FIRE ALARM WIRING FOR NEW DEVICES SHOWN FROM THE EXISTING FIRE ALARM CONTROL PANEL OR NEAREST INITIATION OR NOTIFICATION LOOP.
3. CONTRACTOR SHALL PROVIDE PLENUM RATED FIRE ALARM WIRING FOR NEW DEVICES. WIRING SHALL BE WITHIN CONDUIT IN GARAGE AREAS OR IF NOT INSTALLED ABOVE AN ACCESSIBLE CEILING. PROVIDE WIRING PER MANUFACTURER RECOMMENDATIONS.
4. CONTRACTOR SHALL PROVIDE ALL NEW INITIATION AND NOTIFICATION DEVICES IN LOCATIONS SHOWN COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.
5. ALL CARBON MONOXIDE (CO) DETECTORS SHALL HAVE SOUNDER BASES AND CONNECT TO THE FIRE ALARM SYSTEM IN COMPLIANCE WITH NFPA 720 AND THE NEW YORK STATE BUILDING CODE. THE DETECTION OF CARBON MONOXIDE SHALL INITIATE THE SOUNDER BASE. A SUPERVISORY SIGNAL AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR AND CONTACT REMOTE MONITORING STATION IN COMPLIANCE WITH NFPA 720. PROVIDE ADDITIONAL WIRING AS NEEDED FOR SOUNDER BASES.
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7. CONTRACTOR SHALL PROVIDE ALL REQUIRED PROGRAMMING, HARDWARE AND SOFTWARE MODIFICATIONS TO THE EXISTING SYSTEM FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
8. CONTRACTOR SHALL PROVIDE ACCEPTANCE TESTING OF THE SYSTEM UPON COMPLETION OF INSTALLATION.



**KEYPLAN**  
SCALE: NOT TO SCALE



## 1 ROOF ELECTRICAL PLAN

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

SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE
0	2/5/2024	ISSUED FOR CONSTRUCTION	SMB	M. FUESTON	2/5/2024

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FACILITY RENOVATIONS PHASE II  
**ROOF ELECTRICAL PLAN**  
 DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
 POUGHKEEPSIE, NEW YORK

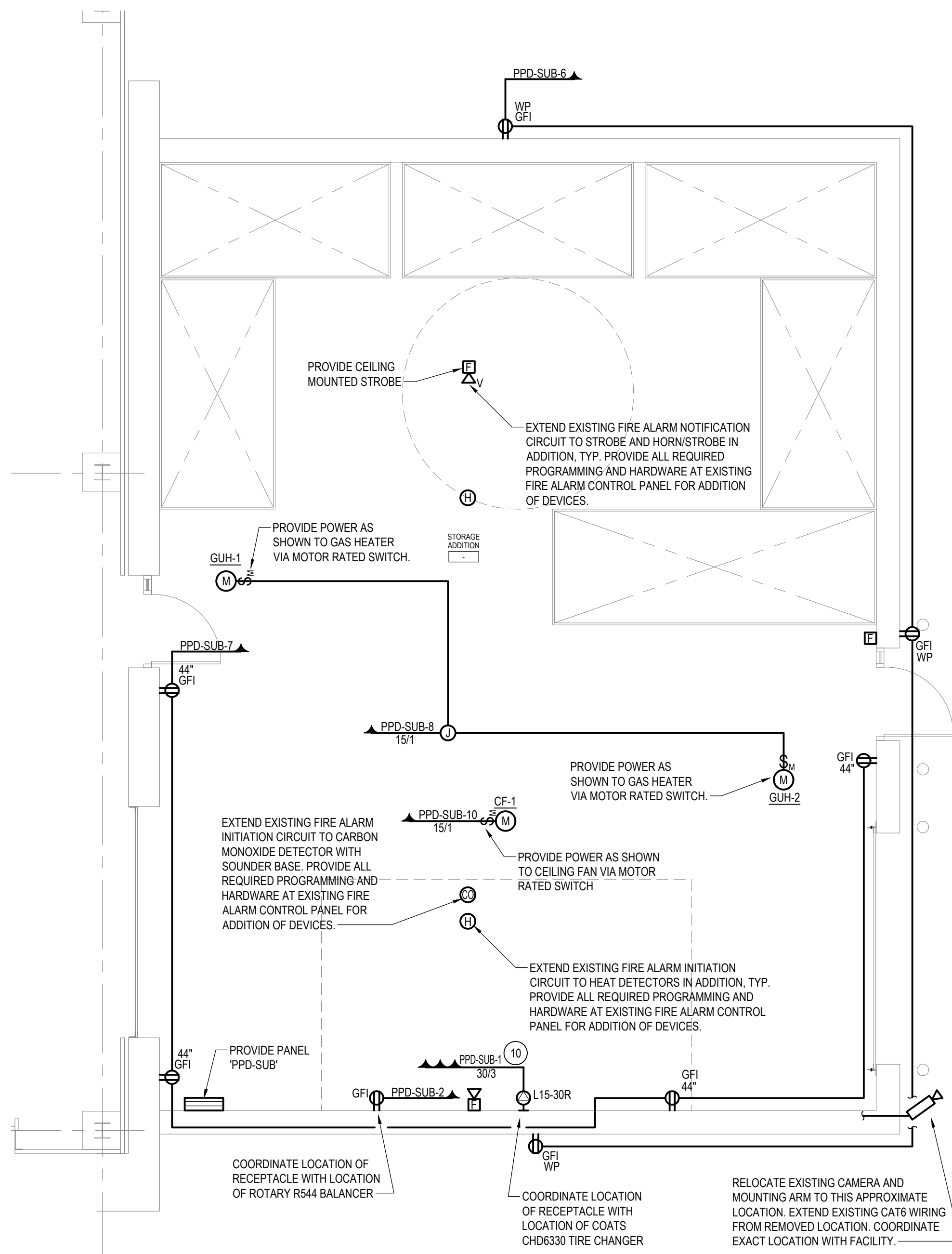
SCALE: AS NOTED  
 CONTRACT No.: RFB-DCB-04-24  
 MJ PROJ. No.: 1636.01  
 DATE: 2/5/2024  
**E103**

## GENERAL NOTES

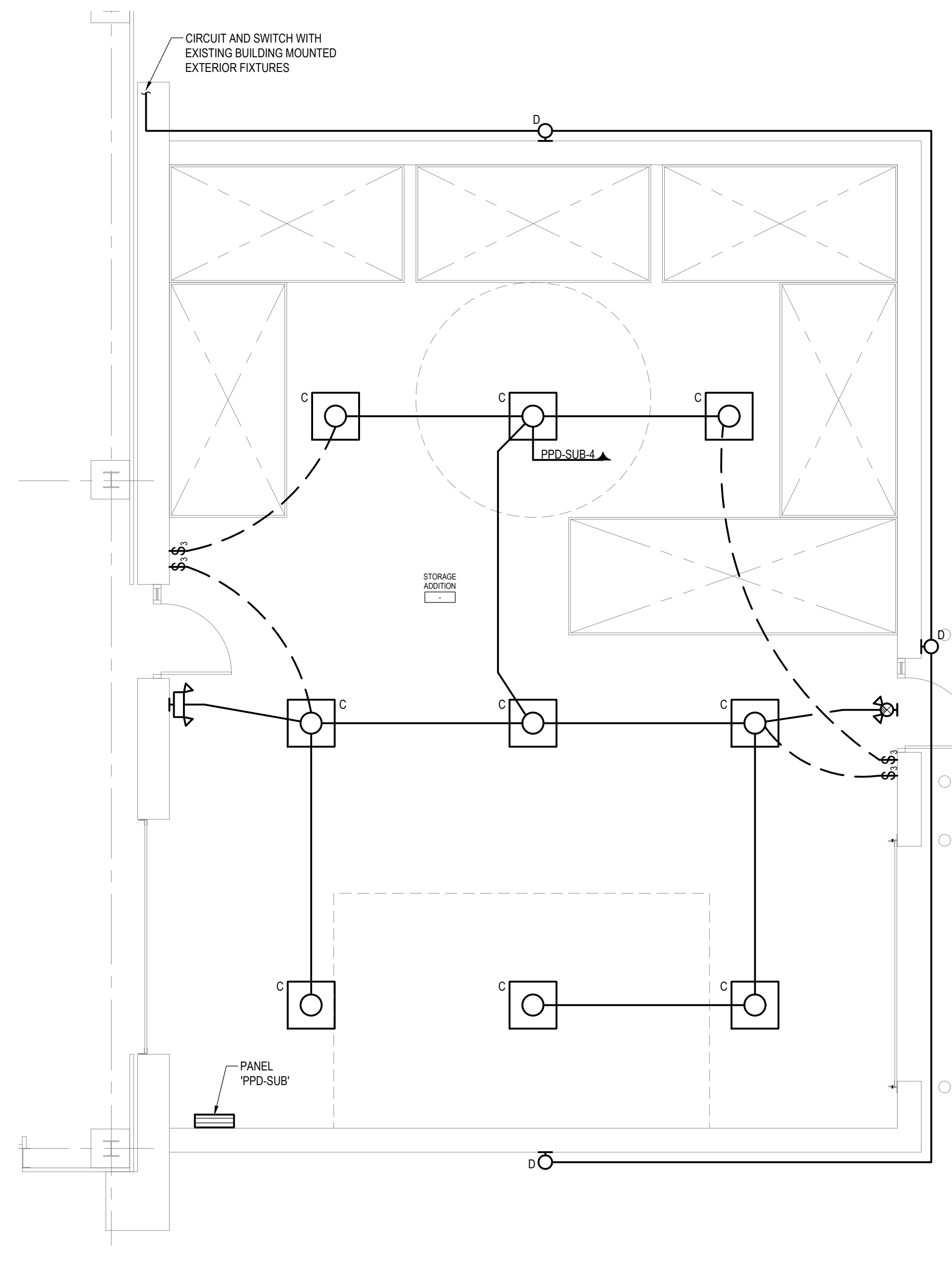
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## FIRE ALARM SYSTEM NOTES

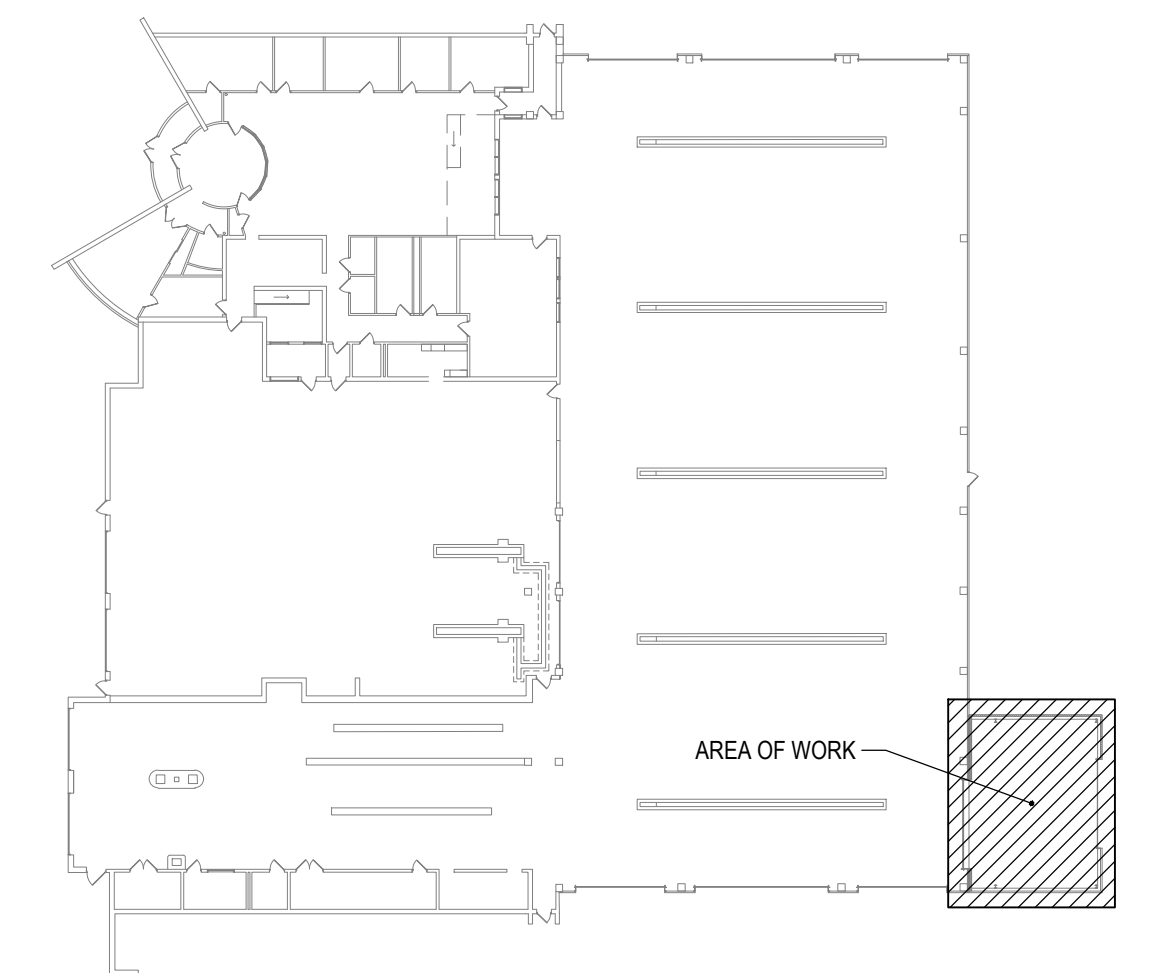
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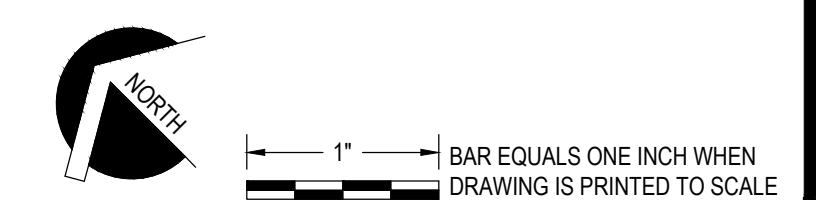
**1 STORAGE ADDITION POWER AND LOW VOLTAGE PLAN**  
SCALE: 1/4" = 1'-0"



**2 STORAGE ADDITION ENLARGED LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"



**KEYPLAN**  
SCALE: NOT TO SCALE



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FACILITY RENOVATIONS PHASE II  
**STORAGE ADDITION ENLARGED ELECTRICAL PLANS**

DUTCHESS COUNTY PUBLIC TRANSIT FACILITY  
POUGHKEEPSIE, NEW YORK

SCALE: AS NOTED  
CONTRACT No.: RFB-DCB-04-24  
MJ PROJ. No.: 1636.01  
DATE: 2/5/2024

**E104**