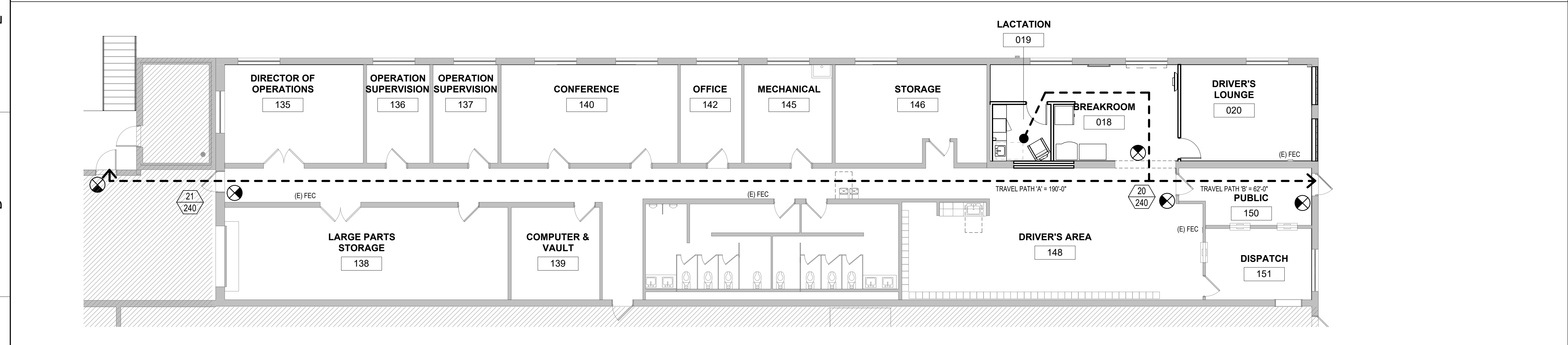
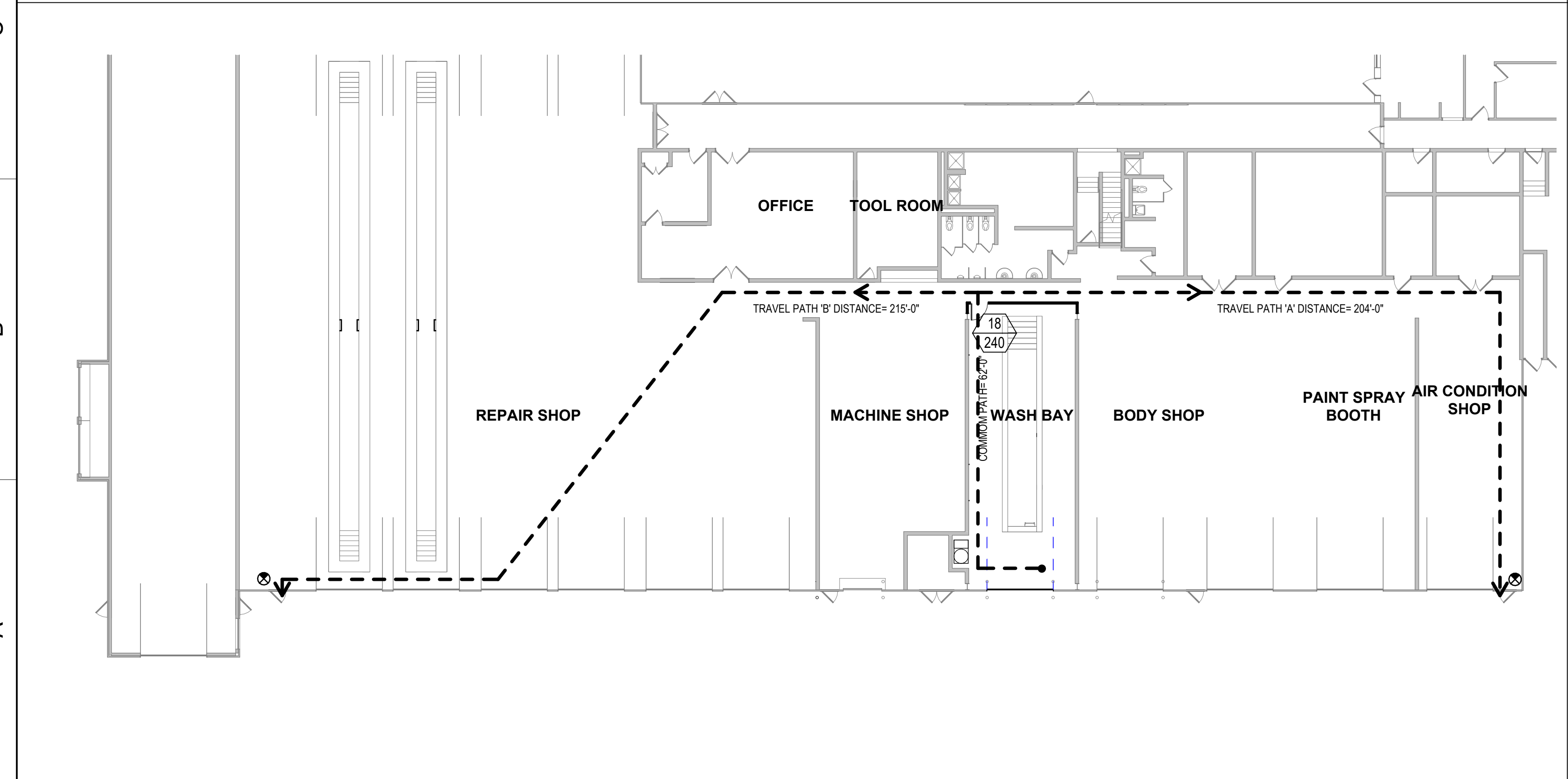


CODE ANALYSIS

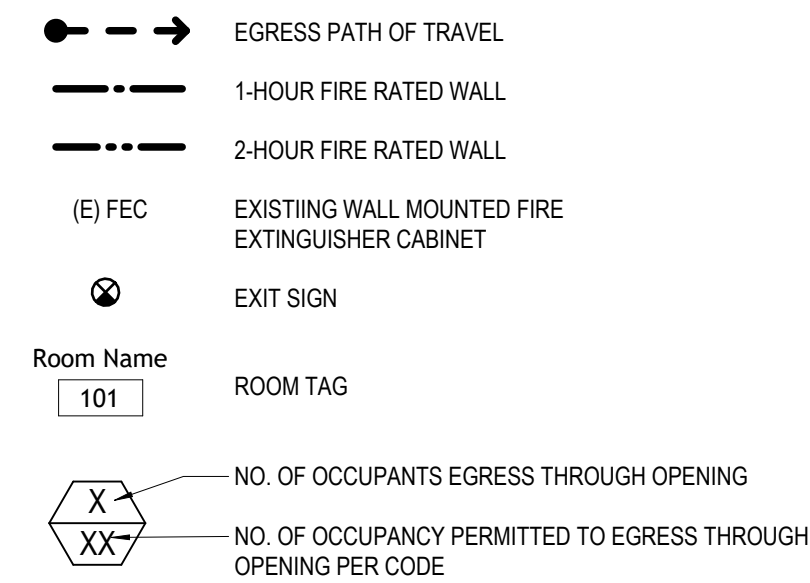
ADMINISTRATION BUILDING EGRESS PLAN



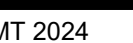
PARTIAL PLAN OF EXISTING MAINTENANCE BUILDING



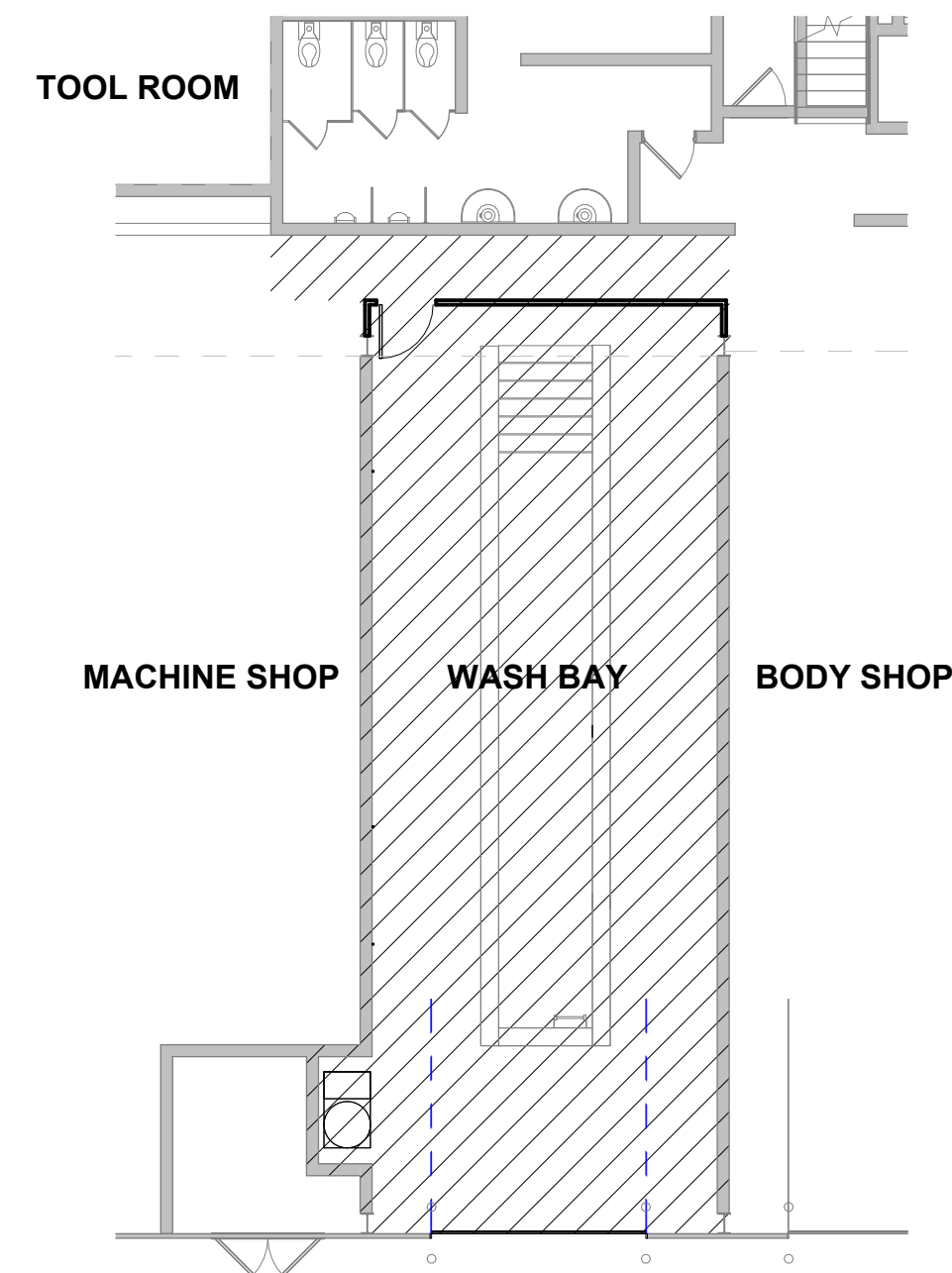
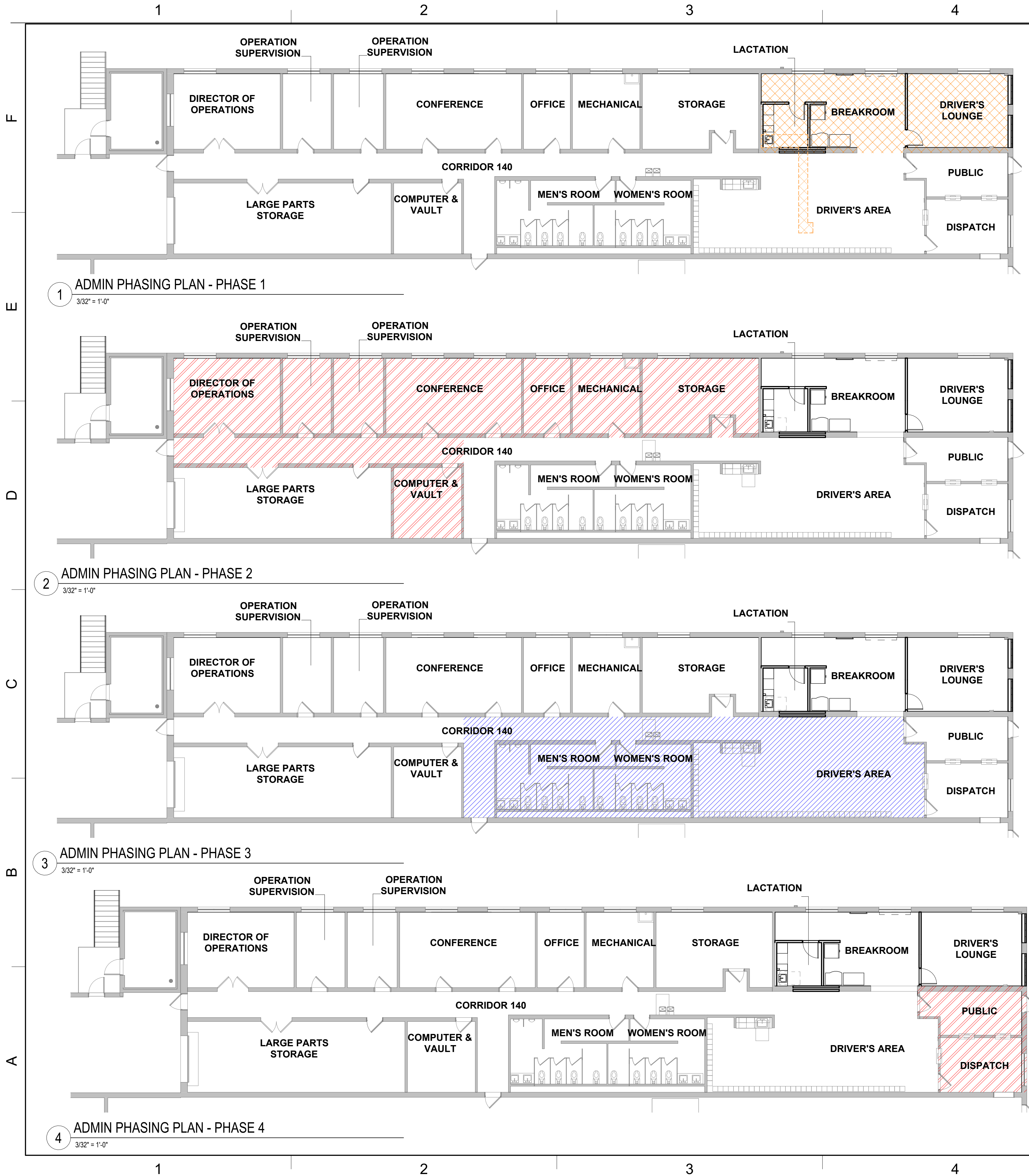
LIFE SAFETY LEGEND



The diagram shows a site plan with a large area hatched with diagonal lines. This hatched area is labeled "AREA NOT IN CONTRACT". Two specific regions are highlighted with solid black fill and labeled "SCOPE OF WORK AREA" with leader lines. One black area is located in the upper right corner, and the other is a small rectangular area at the bottom center.



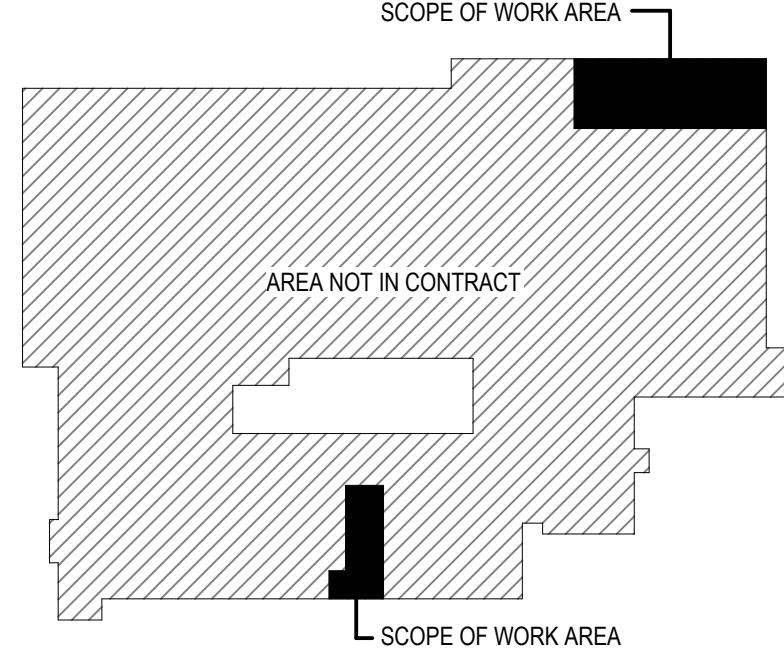
Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004- SCTA Reading_Arch_P04.rvt
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PHASING LEGEND

	PHASE 1
	PHASE 2
	PHASE 3
	PHASE 4
	PHASE - WASH BAY

KEYPLAN



GENERAL PHASING REQUIREMENTS

- CONSTRUCTION PHASING DESCRIBED WITHIN THE DRAWINGS AND SPECIFICATIONS SHOW A PROPOSED APPROACH EXPECTED TO MAINTAIN FACILITY OPERATIONS AND ALLOW CONTRACTORS ACCESS TO PORTIONS OF THE SITE AND FACILITY TO COMPLETE WORK DURING OWNER'S NORMAL OPERATING HOURS. THE CONSTRUCTION PHASING GUIDELINES ARE NOT INTENDED TO REFLECT ALL THE ELEMENTS OF THE WORK, RESTRICT THE SCOPE OF WORK, OR RELIEVE CONTRACTORS FROM THE CONTRACTUAL OBLIGATIONS TO PREVENT INTERFERENCE WITH NORMAL OPERATIONS OF THE FACILITY. DAILY COORDINATION WITH THE OWNER AND ADVANCED NOTIFICATION AND PLANNING IS REQUIRED.
- THE GENERAL CONTRACTOR (GC) SHALL SUBMIT A DETAILED AND COORDINATED CONSTRUCTION PHASING PLAN INCLUDING TEMPORARY PARTITIONS, CLOSURES, AND TRAFFIC REROUTING. PHASING PLAN SHALL DESCRIBE AREAS OF WORK, SCOPE TO BE COMPLETED, PROTECTION, REQUIREMENTS FOR NIGHT AND WEEKEND WORK, AND UTILITY OUTAGES. PHASING SHALL BE SUBMITTED AND APPROVED BY OWNER PRIOR TO MOBILIZATION.
- SEE SPECIFICATIONS FOR PROJECT PHASING AND SEQUENCING REQUIREMENTS FOR INSTALLATION OF SYSTEMS.
- THE GC SHALL PROVIDE TEMPORARY PROTECTIONS, BARRICADES, WARNING SIGNS, DETOUR SIGNS, AND OTHER DEVICES TO PROVIDE SAFETY AND GRAPHIC DIRECTION TO OWNER STAFF AT ALL PLACES WHERE WORK PROHIBITS PUBLIC ACCESS OR CONSTITUTES A POTENTIAL HAZARD.

PHASING

PHASE 1 - ADMIN BUILDING

- PROVIDE TEMPORARY PARTITIONS AT AREA OF NEW DRIVER QUIET ROOM AND LACTATION ROOMS.
- RELOCATE REFRIGERATOR, VENDING MACHINES, MAILBOX, AND TV WITHIN BREAK ROOM OR ADJACENT SPACES PER SCTA DIRECTION.
- DEMO PHASED AREA OF WORK PER CONSTRUCTION DOCUMENTS.
- PROVIDE NEW WORK PER CONSTRUCTION DOCUMENTS.
- SCHEDULE FLOOR TRENCHING TO SANITARY TIE-IN TO MINIMIZE DISRUPTION AT BREAK ROOM AND LOCKER AREA. PROVIDE TEMPORARY PLATING OVER TRENCH DURING SCTA OPERATION HOURS.
- MAINTAIN TEMPORARY PARTITIONS UNTIL NEW DUCTWORK AND SYSTEMS ARE FULLY CONNECTED.

PHASE 2 - ADMIN BUILDING

- COORDINATE WITH SCTA FOR STAFF RELOCATIONS. PROTECT FURNISHINGS AND EQUIPMENT TO REMAIN.
- PROVIDE TEMPORARY PARTITION AT CORRIDOR INTERSECTION.
- DEMO PHASED AREA OF WORK PER CONSTRUCTION DOCUMENTS.
- PROVIDE NEW WORK PER CONSTRUCTION DOCUMENTS.
- MAINTAIN TEMPORARY PARTITIONS AND AREA CLOSURE UNTIL NEW DUCTWORK AND SYSTEMS ARE FULLY CONNECTED.

PHASE 3 - ADMIN BUILDING

- PERFORM WORK AFTER HOURS IN AREAS OF RESTROOMS AND LOCKER ROOMS.
- SEQUENCE WORK TO MAINTAIN ACCESS TO EACH RESTROOM AND A MINIMUM OF ONE HALF THE NUMBER OF LOCKERS. CEILINGS MAY REMAIN OPENED DURING NON-WORK HOURS.
- PROVIDE TEMPORARY HVAC FOR DRIVER'S AREA AND DISPATCH ROOM PRIOR TO REMOVAL OF DUCTWORK OR DISCONNECTION OF EQUIPMENT SERVING ROOMS.
- DEMO PHASED AREA OF WORK PER CONSTRUCTION DOCUMENTS.
- REMOVE EXISTING RTU, CONDENSING UNITS, AND HEAT PUMP ON ROOF. REMOVE EXISTING ROOF MOUNTED EXHAUST FAN SERVICING CONFERENCE ROOM. DISCONNECT ALL ASSOCIATED CONTROLS.
- PROVIDE NEW WORK PER CONSTRUCTION DOCUMENTS.
- INSTALL NEW RTU AND NEW DUCTWORK PER MECHANICAL PLANS. NOTE: MECHANICAL AND ROOFING DEMO AND NEW WORK MAY OCCUR AT PHASE 1 OR 2 ONCE ALL EQUIPMENT HAS BEEN DELIVERED ON SITE.
- COMPLETE FINISH FLOORING AFTER ALL CEILING AND WALL WORK IS COMPLETED.
- INSTALL FURNITURE.
- OPEN PHASE 1 AND 2 AREAS FOR SCTA USE.

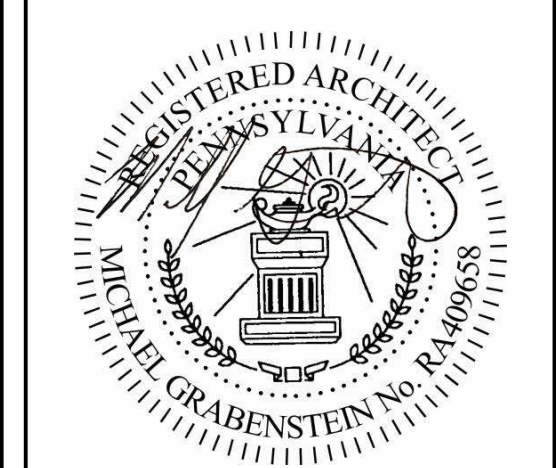
PHASE 4 - ADMIN BUILDING

- NOTE: DISPATCH IS A CRITICAL FUNCTION TO DAILY OPERATIONS. PRIME CONTRACTORS SHALL EXECUTE WORK IN MANNER TO LIMIT DISRUPTIONS TO THE OPERATIONS AND STAFF WITHIN THE ROOM.
- MAINTAIN DAILY ACCESS TO DISPATCH OFFICE.
- PROTECT FURNISHINGS AND EQUIPMENT DURING CONSTRUCTION ACTIVITIES.
- REMOVE TILES, GRID, AND DUCT WORK PER CONSTRUCTION DOCUMENTS.
- PROVIDE DUCTWORK, CEILING, AND GRID REPAIRS.
- REMOVE TEMPORARY PROTECTIONS, AT PHASE 1 THROUGH 4.

PHASE - WASH BAY

- NOTE: WASH BAY MAY BE COMPLETED INDEPENDENTLY OF PHASES 1 THRU 4.
- CLEAN AND PREPARE EXISTING WALLS, FLOOR, AND CEILING TO RECEIVE NEW FINISHES.
- DEMO PHASED AREA OF WORK PER CONSTRUCTION DOCUMENTS.
- PROVIDE NEW WORK PER CONSTRUCTION DOCUMENTS.

SEAL:



PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**
45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	100% SUBMISSION	DESCRIPTION
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DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: NM
DRAWN BY: CB/NM
CHECKED BY: MG

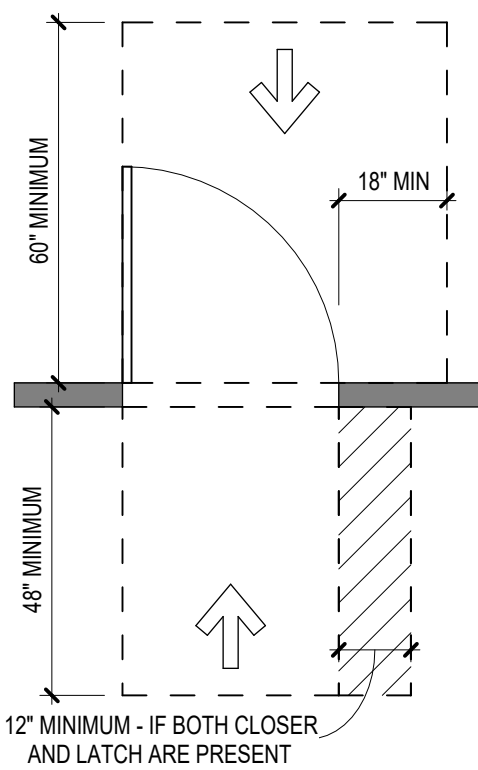
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PHASING PLAN

SHEET NUMBER:
G-003

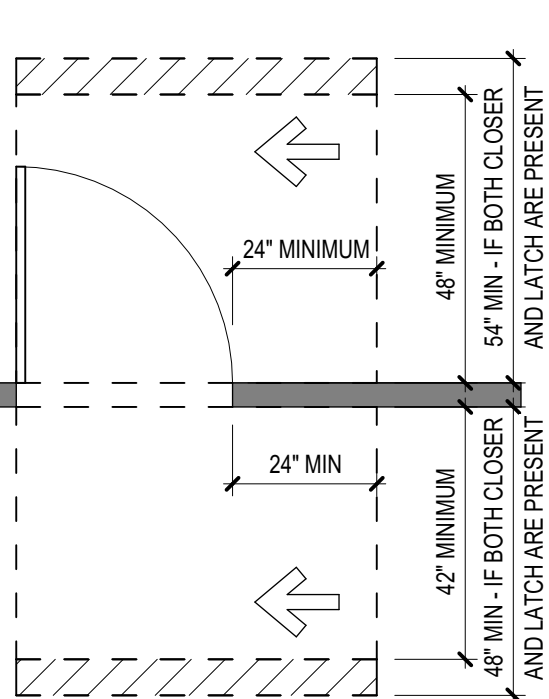
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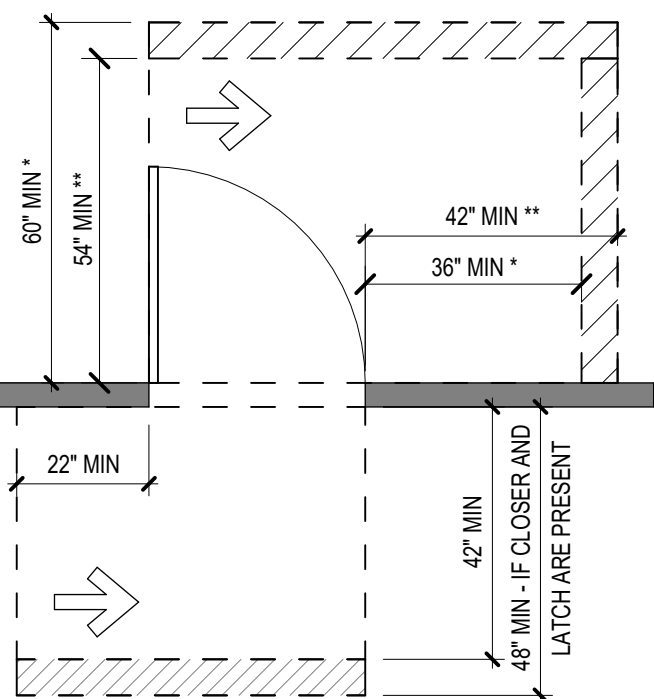
FRONT APPROACH, PULL SIDE



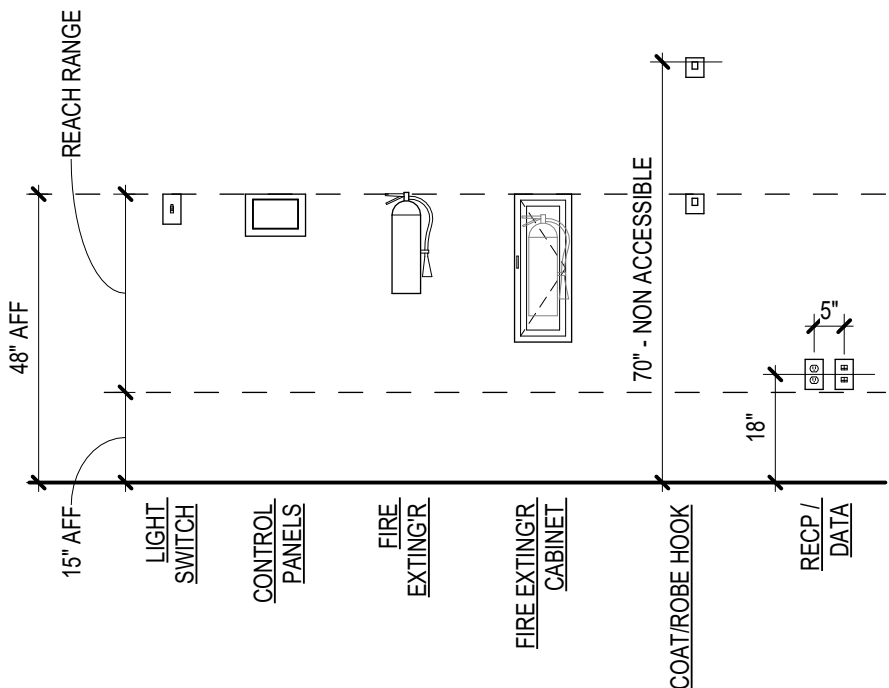
LATCH APPROACH, PULL SIDE



HINGE APPROACH, PULL SIDE

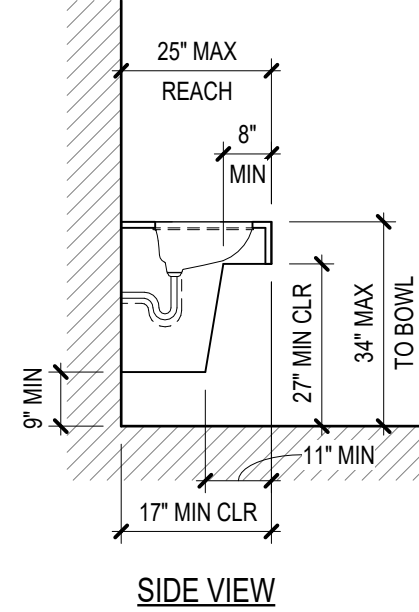
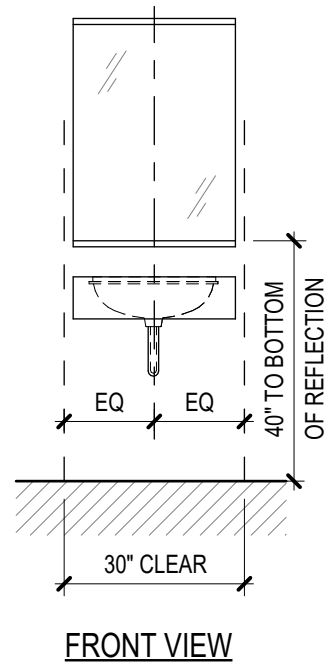
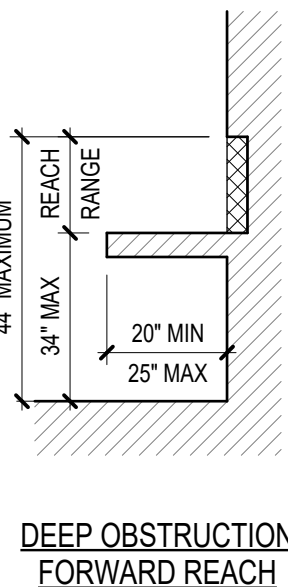
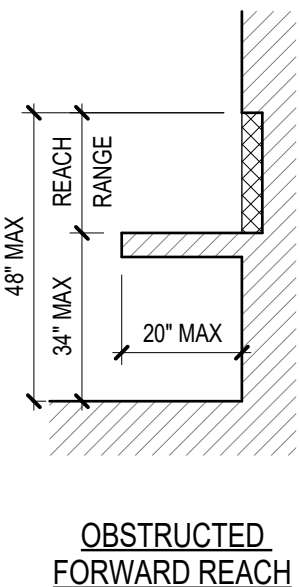
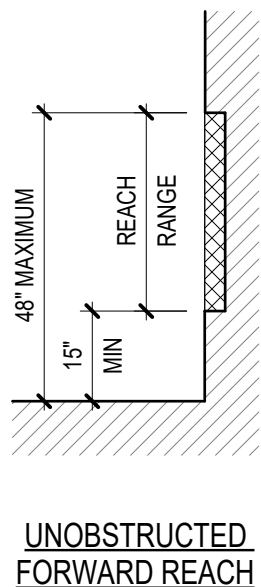
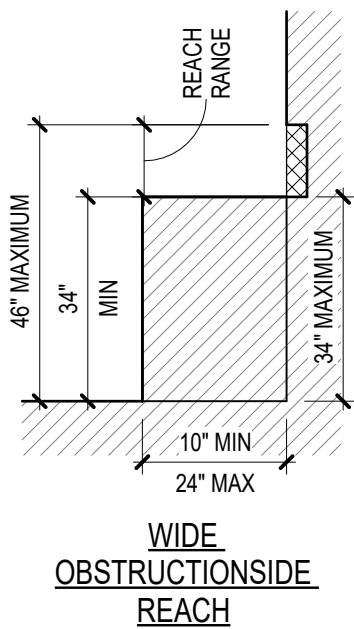
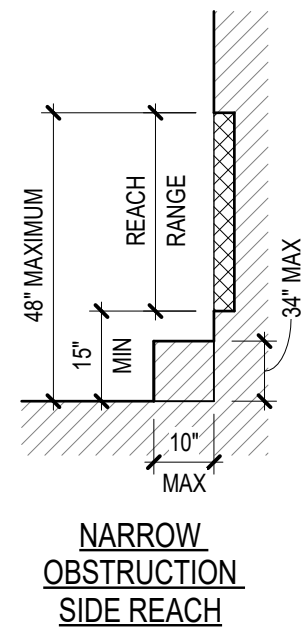


FRONT APPROACH, PUSH SIDE

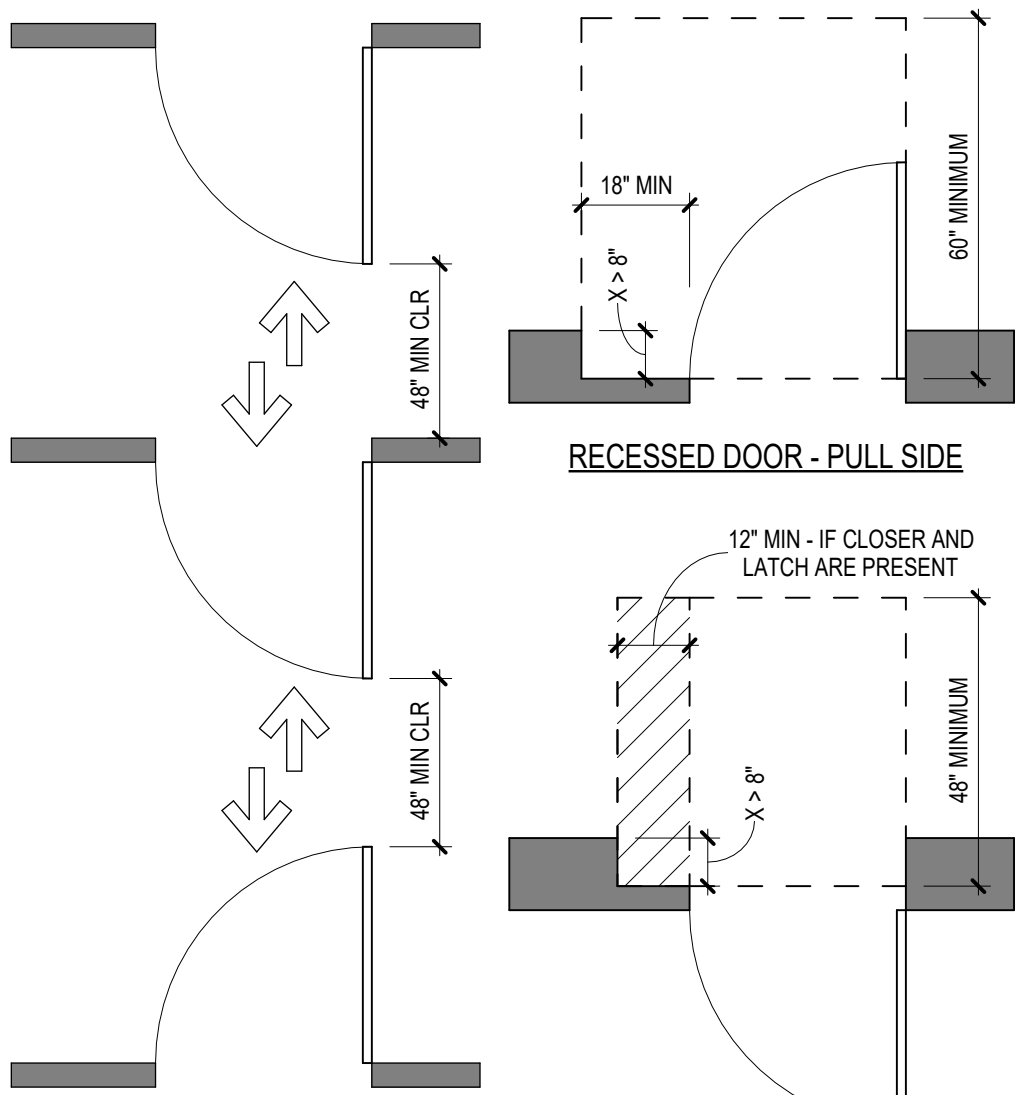


LATCH APPROACH, PUSH SIDE

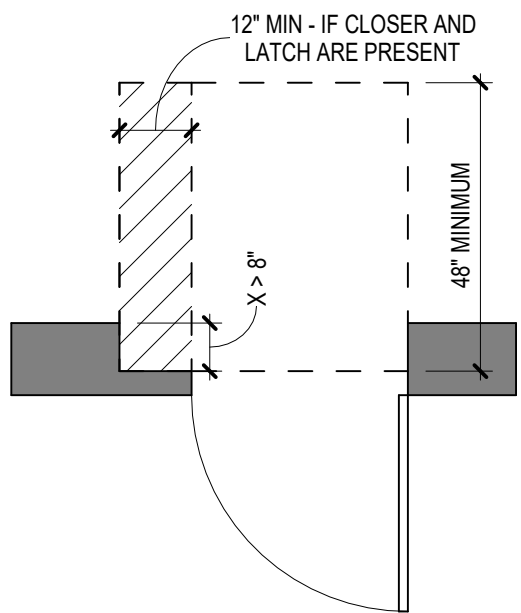
HINGE APPROACH, PUSH SIDE



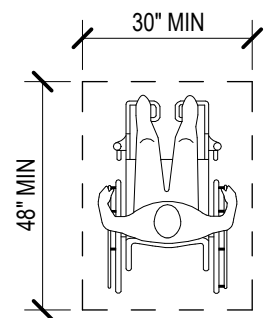
RECESSED DOOR - PULL SIDE



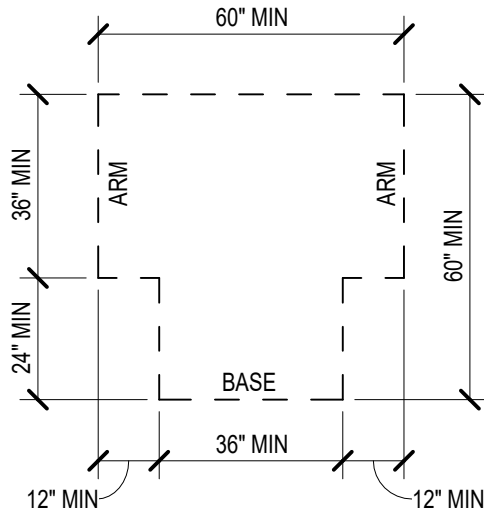
RECESSED DOOR - PUSH SIDE



CLEAR FLOOR OR GROUND SPACE



T-SHAPED TURNING SPACE



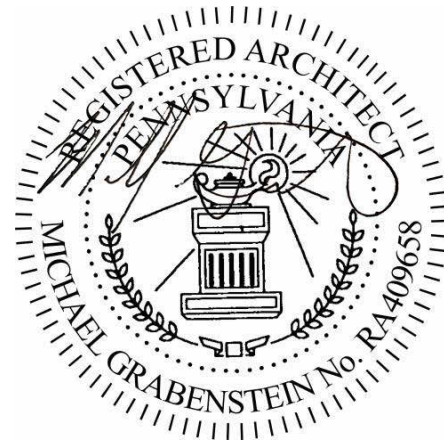
GENERAL:

1. ALL OPERATING CONTROLS, OPERATING DEVICES, AND HARDWARE ON CABINETS, PLUMBING FIXTURES AND STORAGE FACILITIES, SHALL HAVE SUCH A SHAPE THAT SHALL PERMIT OPERATION BY WRIST OR ARM PRESSURE AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING AT THE WRIST.
 2. THE HIGHEST OPERABLE PART OF THE CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 42" ABOVE FINISHED FLOOR FOR FORWARD APPROACH, NOT HIGHER THAN 48" ABOVE FINISHED FLOOR FOR SIDE APPROACH, AND NOT LESS THAN 36" ABOVE FINISHED FLOOR FOR EITHER APPROACH.
 3. ELECTRICAL AND COMMUNICATIONS SYSTEM RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 18" TO THE BOTTOM
 4. SEE THE ENLARGED FLOOR PLANS FOR TOILET ACCESSORY LOCATIONS, QUANTITIES, AND MOUNTING REQUIREMENTS.
- LAVATORIES AND SINKS:
1. ALL HOT WATER AND DRAIN PIPES EXPOSED UNDER LAVATORIES OR SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
 2. THERE SHALL BE NO SHARP SURFACES UNDER LAVATORIES OR SINKS.
 3. FAUCET CONTROLS AND OPERATING MECHANISMS (IF PRESENT) SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRED TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
 4. THE OPERATING FORCE SHALL NOT EXCEED FIVE (5) POUNDS OF FORCE.
 5. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST TEN (10) SECONDS.
 6. ALL LAVATORY AND SINK FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NO MORE THAN 0.5 GALLONS PER MINUTE.



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1600 MARKET STREET, SUITE 520
PHILADELPHIA, PENNSYLVANIA 19103
267.256.0300
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SEAL:



PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

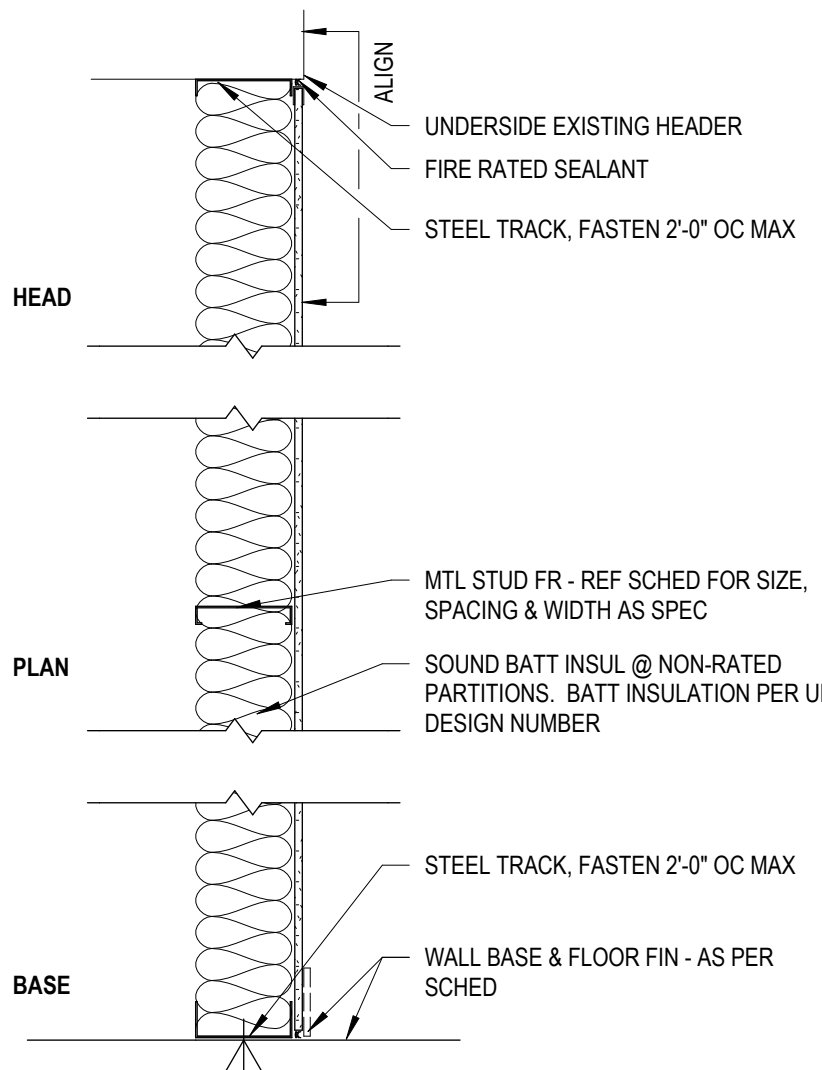
DRAWING TITLE:
**ADA ACCESSIBILITY
NOTES**

SHEET NUMBER:

A-002

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TYPE C - WALL INFILL GWB PARTITION

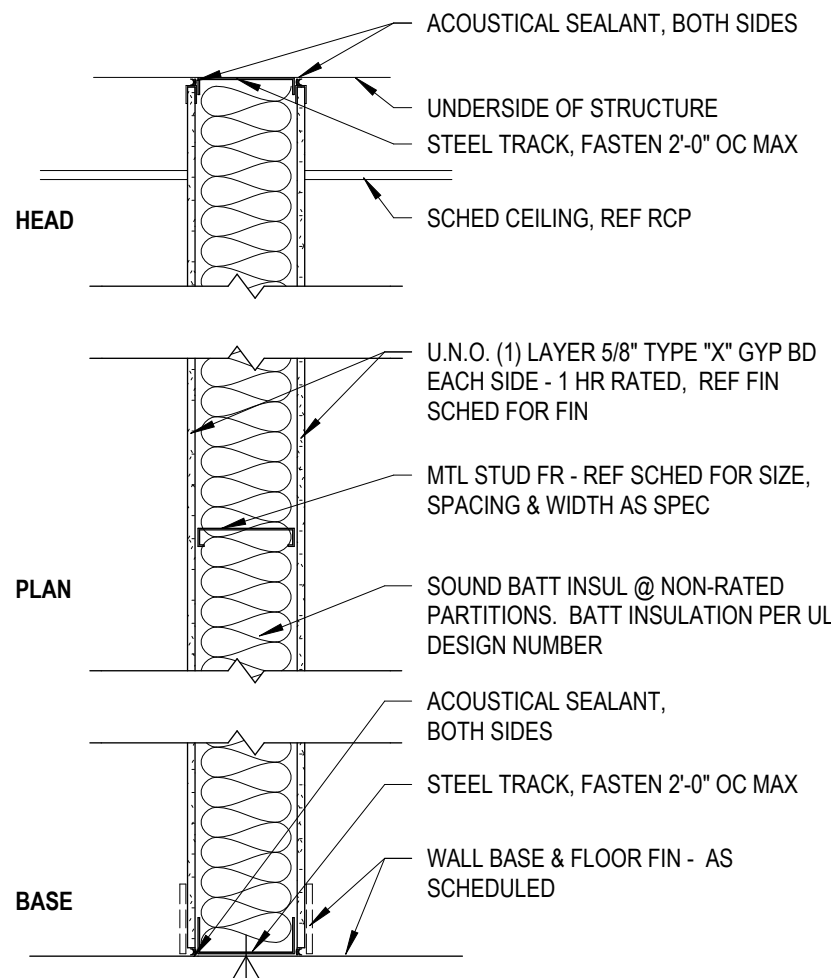


C TYPE	WIDTH	FRAMING WIDTH	FIRE TEST	FIRE RATING	STC RATING	SOUND INSUL	COMMENTS
C	4 1/4"	3 5/8"		0 hr		Yes	

WALL TYPE C

1
3/4" = 1'-0"

TYPE K - GWB PARTITION



TYPE	WIDTH	FRAMING WIDTH	FIRE TEST	FIRE RATING	STC RATING	SOUND INSUL	COMMENTS
K	4 7/8"				50	Yes	

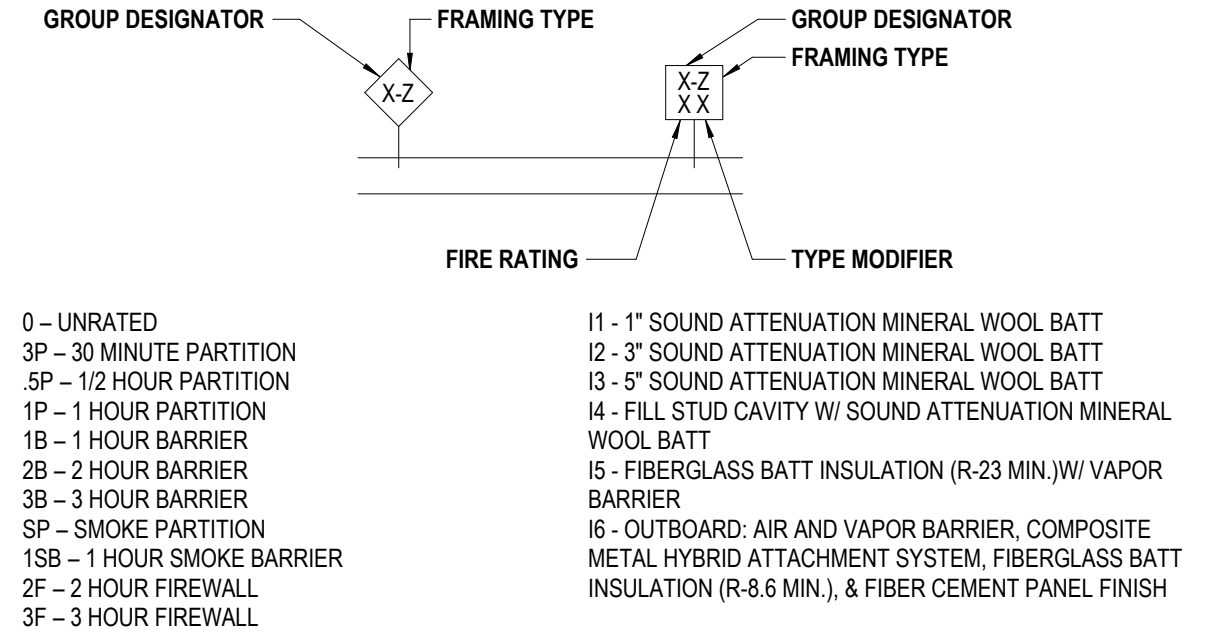
STC 50 AT DRIVER QUIET ROOM

WALL TYPE K

2
3/4" = 1'-0"

PARTITION TYPE KEY LEGEND

GROUPS A-J: FULL HEIGHT PARTITIONS GROUPS K-M: PARTIAL HEIGHT PARTITIONS GROUPS N-Q: SINGLE-SIDED PARTITIONS GROUPS R-S: SHAFT WALL GROUPS T-V: CHASE WALL GROUP W: MASONRY WALLS GROUPS X-Z: RESERVED	S1 - 1 5/8" METAL STUDS S2 - 2 1/2" METAL STUDS S3 - 3 5/8" METAL STUDS S4 - 4" METAL STUDS S6 - 6" METAL STUDS S8 - 8" METAL STUDS W1 - 1/2" WOOD FURRING W4 - 2x4 WOOD STUDS W6 - 2x6 WOOD STUDS W8 - 2x8 WOOD STUDS	F1 - 1/2" METAL FURRING F2 - 7/8" METAL FURRING H2 - 2 1/2" SHAFT (CH) CHANNEL H4 - 4" SHAFT (CH) CHANNEL H6 - 6" SHAFT (CH) CHANNEL M4 - 4" CMU M6 - 6" CMU M8 - 8" CMU OR CONCRETE M1 - 10" CMU M2 - 12" CMU OR CONCRETE M3 - 16" CMU
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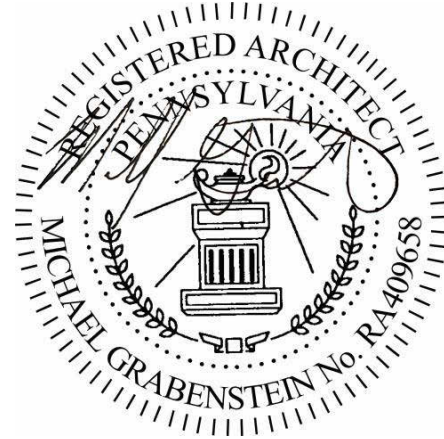
PARTITION TYPE NOTES

- REFER TO FLOOR PLANS FOR PARTITION TYPE LOCATIONS.
- IN ALL BATHROOMS PROVIDE, MOISTURE RESISTANT GWB ON ALL WALLS AND CEILINGS. AT TILE LOCATIONS PROVIDE TILE BACKER BOARD.
- IN ALL ROOMS OTHER THAN BATHROOMS WHICH CONTAIN SINKS OR OTHER PLUMBING FIXTURES PROVIDE MOISTURE RESISTANT GWB ON THE WET WALL AND RETURN 4'-0" ON THE SIDE WALLS.
- ALL GYPSUM BOARD SHALL BE 5/8" THICK, UNO. AT FIRE RATED ASSEMBLIES, PROVIDE TYPE 'X' GWB MINIMUM, OR AS REQUIRED BY FIRE RATED ASSEMBLY.
- FOR FIRE RATED ASSEMBLIES, OBTAIN AND FULLY CONFORM TO DESIGN REQUIREMENTS OF UNDERWRITERS LABORATORIES, INC.(UL) FOR EACH PARTITION ASSEMBLY. UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR DESIGNATED BY A DETAIL OR NOTE, AS ALLOWED BY UL DESIGN.
- WHERE REQUIRED, MATERIALS SHALL BEAR THE CLASSIFICATION MARKINGS AND APPROVALS OF THE UNDERWRITERS LABORATORY.
- FIRE-RESISTANCE-RATED & STC-RATED PARTITIONS & STC-RATED SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE TESTED ASSEMBLY UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR DESIGNATED BY DETAIL OR NOTE.
- FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE PERMANENTLY MARKED AND IDENTIFIED WITH SIGNS OR STENCILING AS REQUIRED BY LOCAL BUILDING CODE.
- STC-RATED PARTITION CONSTRUCTION SHALL HAVE ALL PENETRATIONS AND INTERSECTIONS SEALED AIR TIGHT WITH ACOUSTICAL SEALANT.
- SEPARATE METALLIC OUTLETS OR SWITCH BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES (U.L. INC.). IF STAGGERING OUTLETS IS NOT FEASIBLE, UTILIZE PUTTY BACKING.
- REFER TO SPECIFICATIONS FOR VERTICAL PARTITION SPACING CRITERIA AND METAL STUD GAUGES, UNO.
- REFER TO FINISH SCHEDULE AND REFLECTED CEILING PLANS FOR THE CEILING TYPE AND HEIGHT. COORDINATE HEIGHTS OF GWB WITH CEILING HEIGHTS AND WITH PARTITION DETAILS INDICATED.
- REFER TO FINISH SCHEDULE, FURNITURE PLANS, INTERIOR ELEVATIONS, INTERIOR DETAILS AND ARCHITECTURAL CASEWORK DETAILS FOR WALL FINISHES AND WALL MOUNTED ACCESSORIES TO COORDINATE BLOCKING REQUIREMENTS.
- PROVIDE ADEQUATE BACKUP AND BLOCKING FOR ALL WALL OR CEILING MOUNTED EQUIPMENT, ARCHITECTURAL WOODWORK, CASEWORK, LIGHTING, OR OTHER MISCELLANEOUS ITEMS & EQUIPMENT MEPPF TO ASSURE A PROPER INSTALLATION. ALL BLOCKING TO BE NON COMBUSTIBLE.
- ALL DOOR OPENINGS ARE TO BE 4 INCHES FROM ADJACENT WALL U.N.O.
- REFER TO LIFE SAFETY PLANS AND CODE ANALYSIS FOR FURTHER WALL AND FLOOR/CEILING RATING AND ASSEMBLY REQUIREMENTS AND INFORMATION.
- MAINTAIN CONTINUOUS SMOKE/ FIRE RATED PARTITION AT INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS. WRAP GYPSUM BOARD AT JAMBS AND HEAD OF NON-RATED DOORWAYS AND OPENINGS IN RATED WALLS AS REQUIRED TO MAINTAIN WALL RATING.
- ALL PARTITIONS ARE DIMENSIONED TO THE FINISH FACE OF GWB.
- ALL PARTITION THICKNESSES SHOWN ARE ACTUAL DIMENSIONS. FINISHED FACES OF PARTITIONS TO RUN FLUSH, CONTINUOUS AND SMOOTH, UNO.
- ALL GWB WALL AND CEILING CONTROL JOINTS SHALL BE PROVIDED PER THE PROJECT SPECIFICATIONS AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- ALL GWB WALL AND CEILING CONTROL JOINTS AT RATED CONDITIONS SHALL BE INSTALLED PER GYPSUM ASSOCIATION GUIDELINES (GA-234-08). UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR DESIGNATED BY DETAIL OR NOTE.
- REFER TO STRUCTURAL DRAWINGS FOR SPECIFICATIONS & REINFORCEMENT REQUIREMENTS OF MASONRY PARTITIONS.
- REFER TO WALL SECTIONS FOR EXTERIOR WALL CONSTRUCTION.
- IN ALL ELECTRICAL ROOMS, INSTALL FRT PLYWOOD FLOOR TO CEILING ON ALL WALLS IN ADDITION TO WALL TYPE REQUIREMENTS. COORDINATE WITH ELECTRICAL CONTRACTOR.
- PARTITION BRACING REQUIREMENTS FOR LONG SPANS IN EXCESS OF L/360.
- IN ALL LOW VOLTAGE & TELE/DATA ROOMS, INSTALL FRT PLYWOOD FLOOR TO CEILING ON ALL WALLS IN ADDITION TO WALL TYPE REQUIREMENTS. COORDINATE WITH LOW VOLTAGE CONTRACTOR.



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45 ERICK ROAD
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07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
PARTITION TYPES

SHEET NUMBER:

A-003

Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004- SCTA Reading_Arch_R24.rvt
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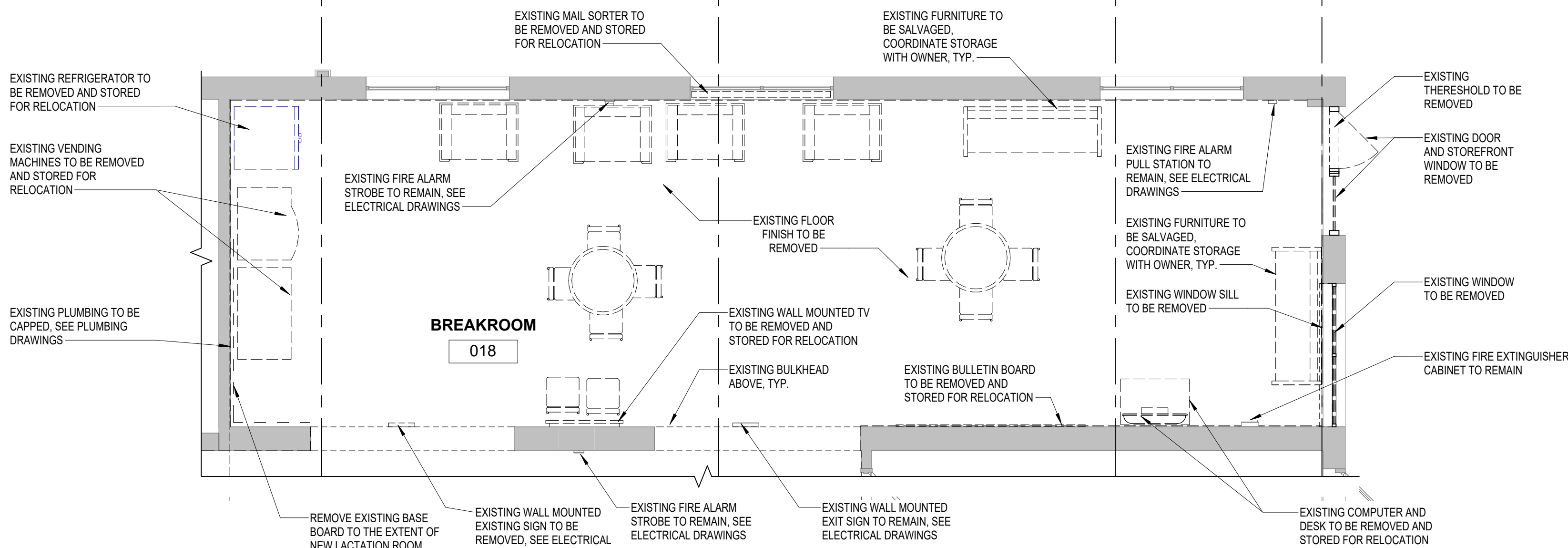
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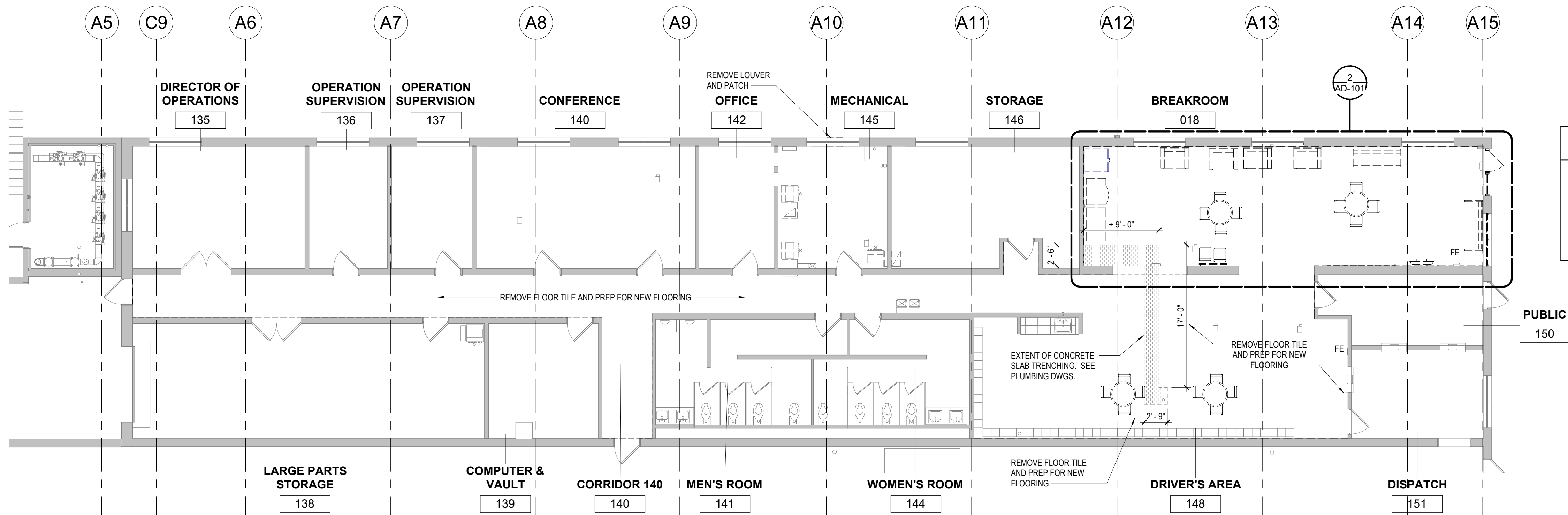
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2 ENLARGED DEMOLITION FLOOR PLAN - BREAKROOM
1/4" = 1'-0"

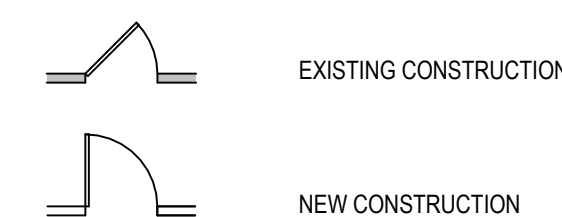


1 DEMOLITION FLOOR PLAN - BREAKROOM
1/8" = 1'-0"

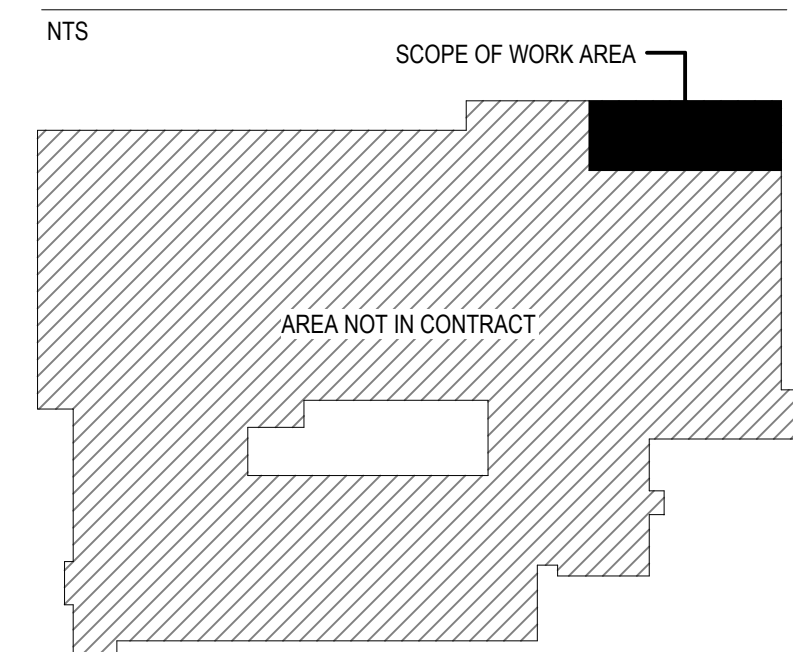
GENERAL DEMOLITION NOTES

1. RESPONSIBLE CONTRACTOR TO PROVIDE TEMPORARY PROTECTION OF ALL EXISTING CONSTRUCTION TO REMAIN ADJACENT TO AREAS OF WORK.
2. RESPONSIBLE CONTRACTOR TO PROVIDE TEMPORARY PROTECTION OF ALL EXISTING TO REMAIN ROOMS WHERE MECHANICAL WORK IS OCCURRING IN CEILINGS ABOVE.
3. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE.
4. ALL EXISTING FURNITURE TO BE SALVAGED AND PROTECTED.

PLAN LEGEND

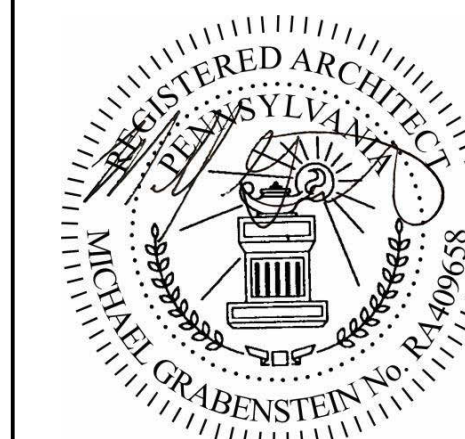


KEYPLAN



JMT ARCHITECTURE & INTERIOR DESIGN, INC.
1600 MARKET STREET, SUITE 520
PHILADELPHIA, PENNSYLVANIA 19103
267.256.0300
WWW.JMTARCHITECTURE.COM

SEAL:



PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**
45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	100% SUBMISSION	DESCRIPTION
	07/23/2026		

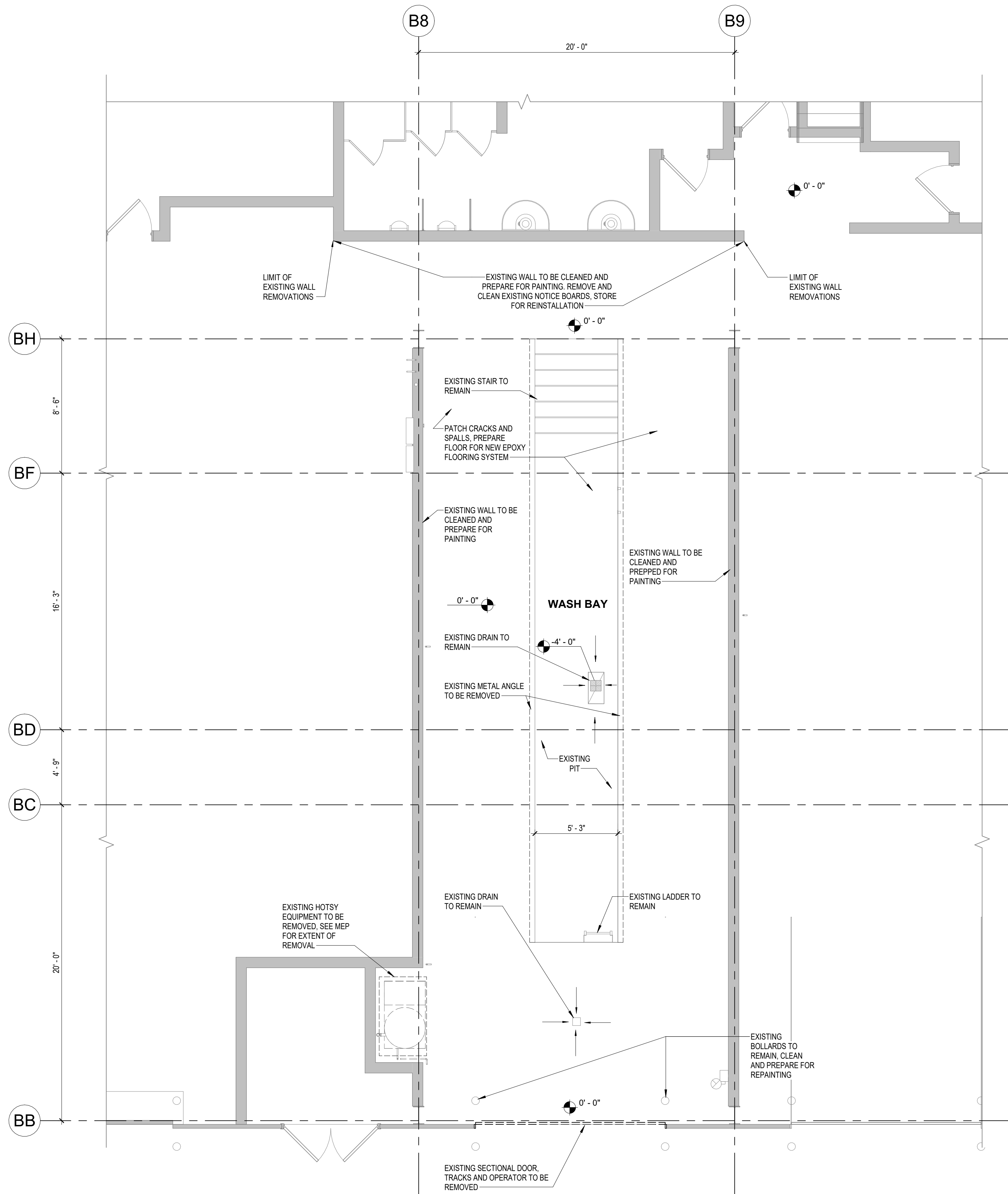
PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
**DEMOLITION FLOOR
PLAN - BREAKROOM**

SHEET NUMBER:

AD-101

Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004- SCTA Reading Arch_R24.rvt
7/23/2026 6:10:14 PM



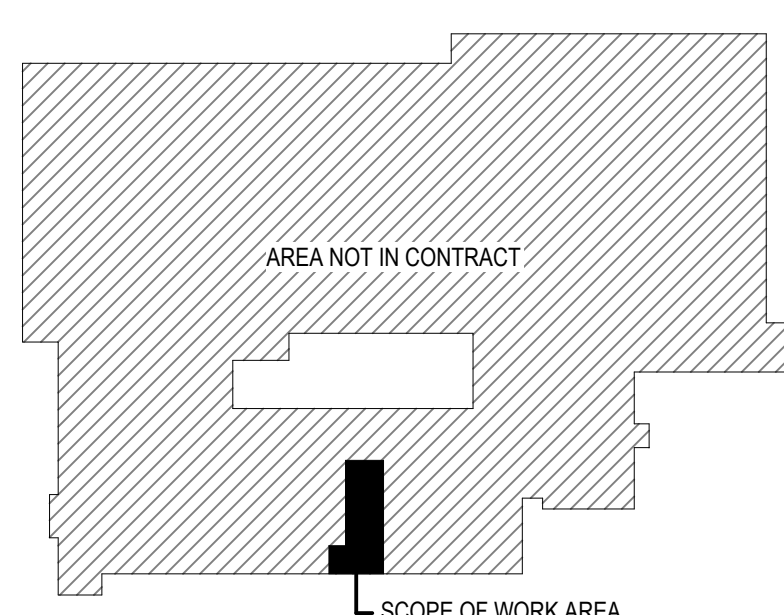
1 DEMOLITION FLOOR PLAN - WASH BAY
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. RESPONSIBLE CONTRACTOR TO PROVIDE TEMPORARY PROTECTION OF ALL EXISTING CONSTRUCTION TO REMAIN ADJACENT TO AREAS OF WORK.
2. RESPONSIBLE CONTRACTOR TO PROVIDE TEMPORARY PROTECTION OF ALL EXISTING TO REMAIN ROOMS WHERE MECHANICAL WORK IS OCCURRING IN CEILINGS ABOVE.
3. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE.
4. ALL EXISTING FURNITURE TO BE SALVAGED AND PROTECTED.

PLAN LEGEND		
	EXISTING CONSTRUCTION	
	NEW CONSTRUCTION	

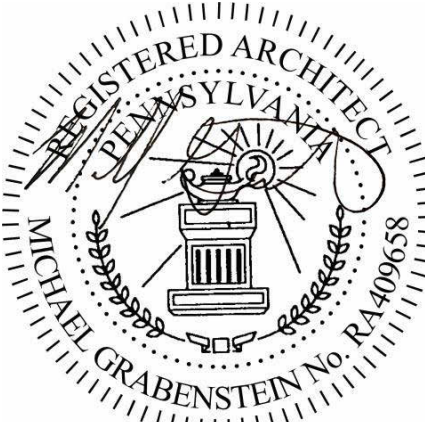
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1700 N. 11TH STREET
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PREPARED FOR:

**SOUTH CENTRAL
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45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
**DEMOLITION FLOOR
PLAN - WASH BAY**

SHEET NUMBER:
AD-102

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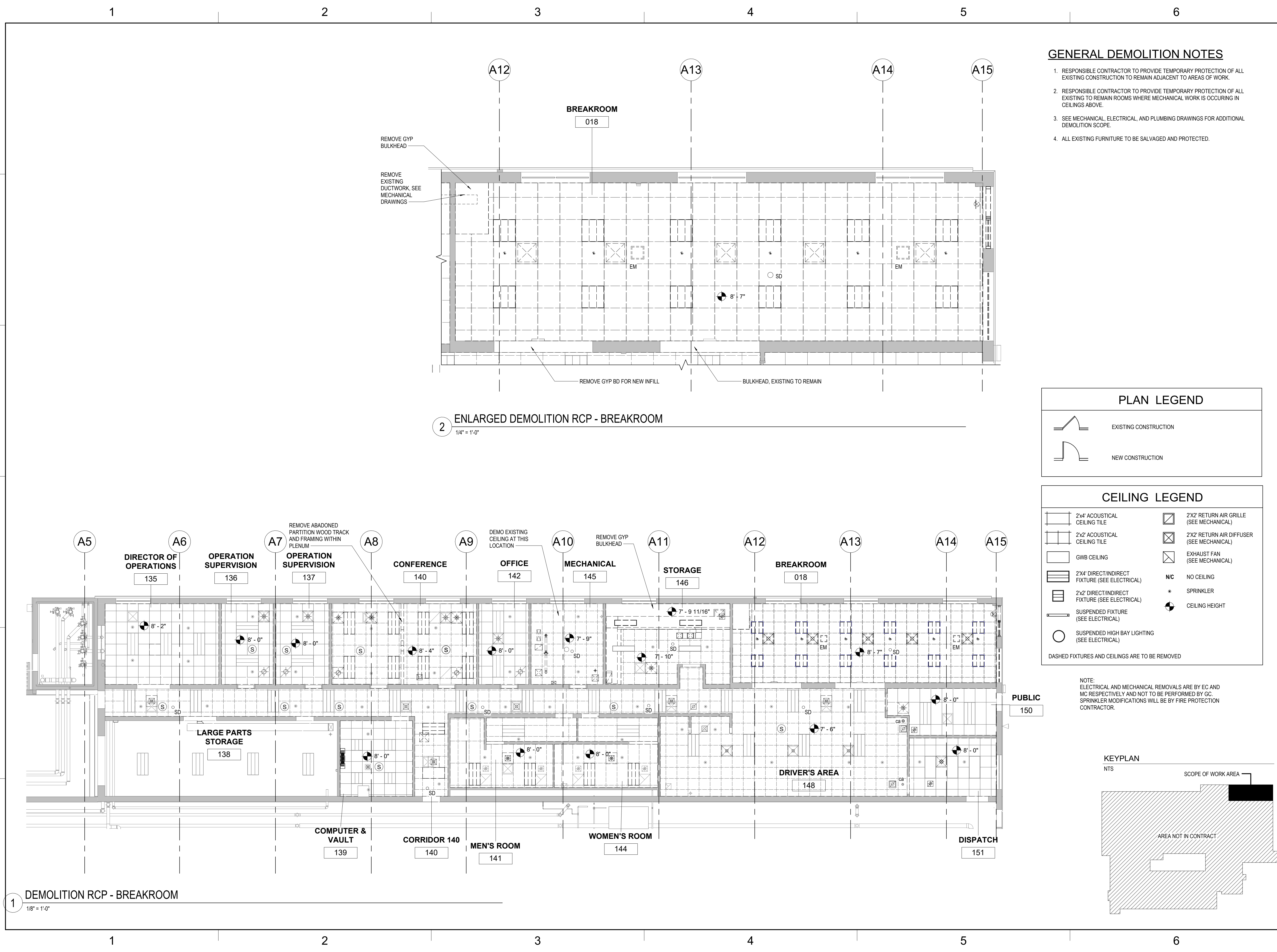
1 2 3 4 5 6

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Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004- SCTA Reading Arch_R24.rvt
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F
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B
A



GENERAL DEMOLITION NOTES

1. RESPONSIBLE CONTRACTOR TO PROVIDE TEMPORARY PROTECTION OF ALL EXISTING CONSTRUCTION TO REMAIN ADJACENT TO AREAS OF WORK.
2. RESPONSIBLE CONTRACTOR TO PROVIDE TEMPORARY PROTECTION OF ALL EXISTING TO REMAIN ROOMS WHERE MECHANICAL WORK IS OCCURRING IN CEILINGS ABOVE.
3. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE.
4. ALL EXISTING FURNITURE TO BE SALVAGED AND PROTECTED.

PLAN LEGEND

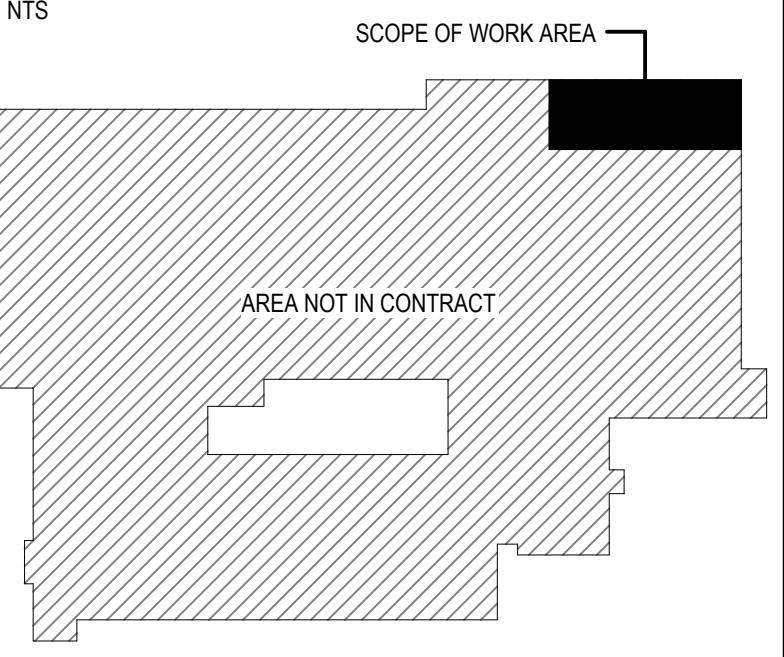
- EXISTING CONSTRUCTION
- NEW CONSTRUCTION

CEILING LEGEND

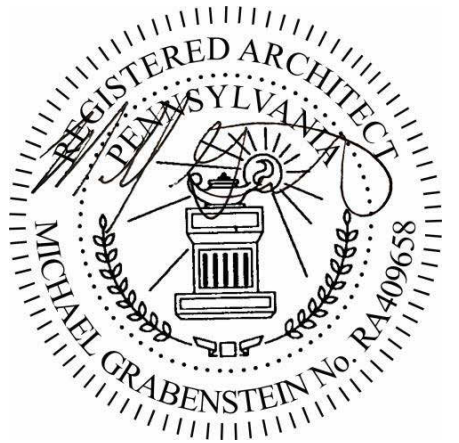
- 2'x4' ACOUSTICAL CEILING TILE
 - 2'x2' ACOUSTICAL CEILING TILE
 - GW8 CEILING
 - 2'x4' DIRECT/INDIRECT FIXTURE (SEE ELECTRICAL)
 - 2'x2' DIRECT/INDIRECT FIXTURE (SEE ELECTRICAL)
 - SUSPENDED FIXTURE (SEE ELECTRICAL)
 - SUSPENDED HIGH BAY LIGHTING (SEE ELECTRICAL)
 - 2'x2' RETURN AIR GRILLE (SEE MECHANICAL)
 - 2'x2' RETURN AIR DIFFUSER (SEE MECHANICAL)
 - EXHAUST FAN (SEE MECHANICAL)
 - N/C NO CEILING
 - * SPRINKLER
 - CEILING HEIGHT
- DASHED FIXTURES AND CEILINGS ARE TO BE REMOVED

NOTE:
ELECTRICAL AND MECHANICAL REMOVALS ARE BY EC AND MC RESPECTIVELY AND NOT TO BE PERFORMED BY GC.
SPRINKLER MODIFICATIONS WILL BE BY FIRE PROTECTION CONTRACTOR.

KEYPLAN



SEAL:



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TRANSIT
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DRIVER BREAKROOM
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1700 N. 11TH STREET
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PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**
45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION
MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
**DEMOLITION RCP -
BREAKROOM**

SHEET NUMBER:

AD-111

Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004_SCTA Reading_Arch_R24.rvt
7/23/2026 6:10:16 PM

1

DEMOLITION RCP - WASH BAY

1/4" = 1'-0"

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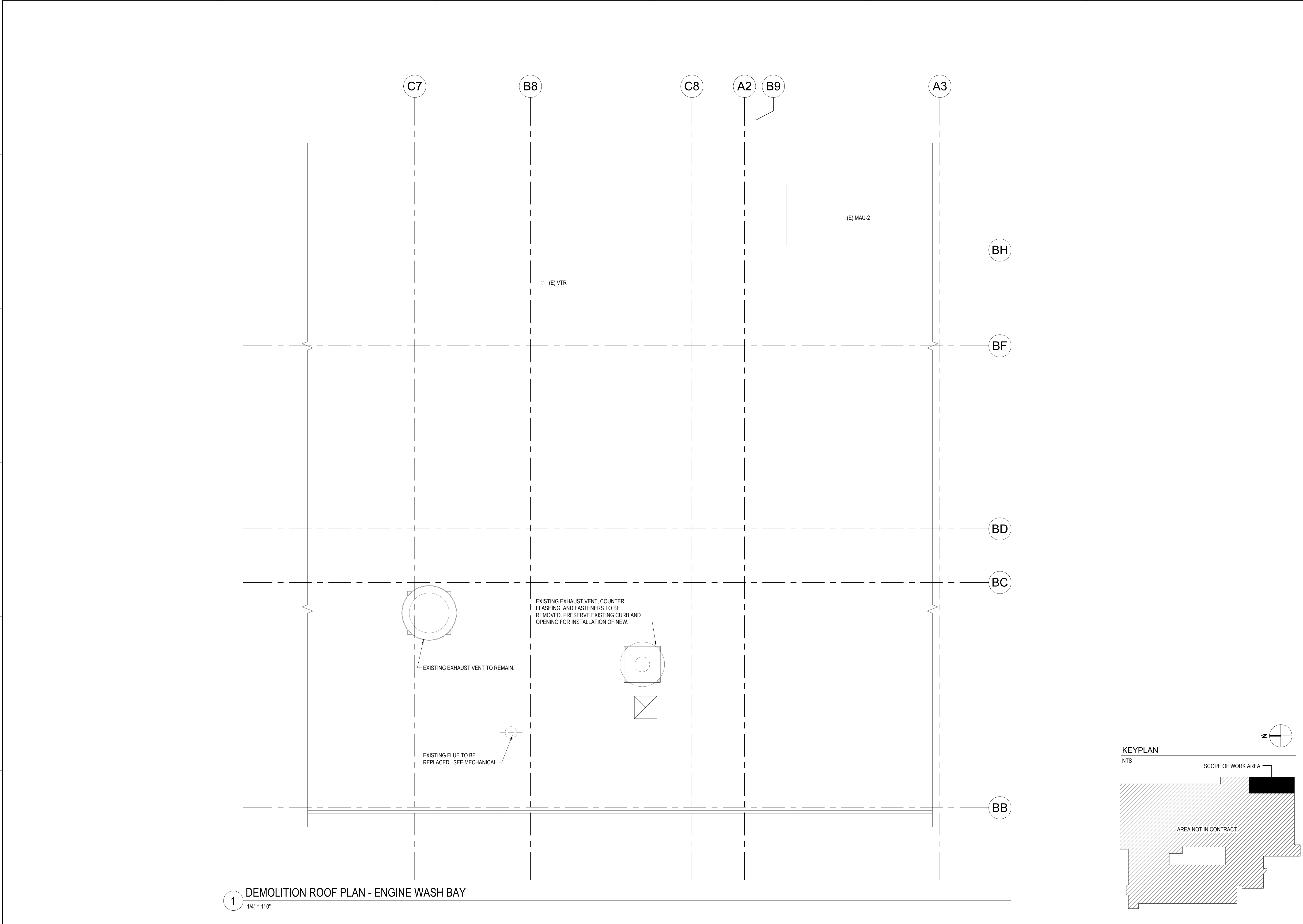
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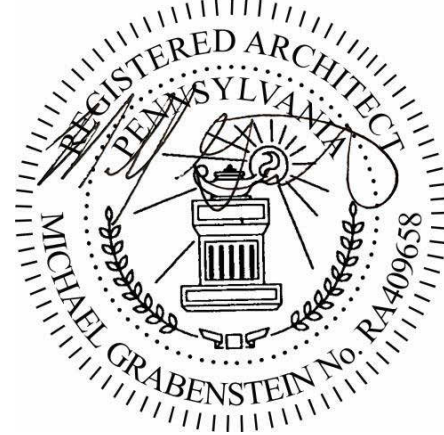
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AND ENGINE WASH BAY

1700 N. 11TH STREET
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PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**
45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: 1/4" = 1'-0"
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
**DEMOLITION ROOF
PLAN - WASH BAY**

SHEET NUMBER:

AD-122

Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004_ SCTA Reading_Arch_R04.rvt
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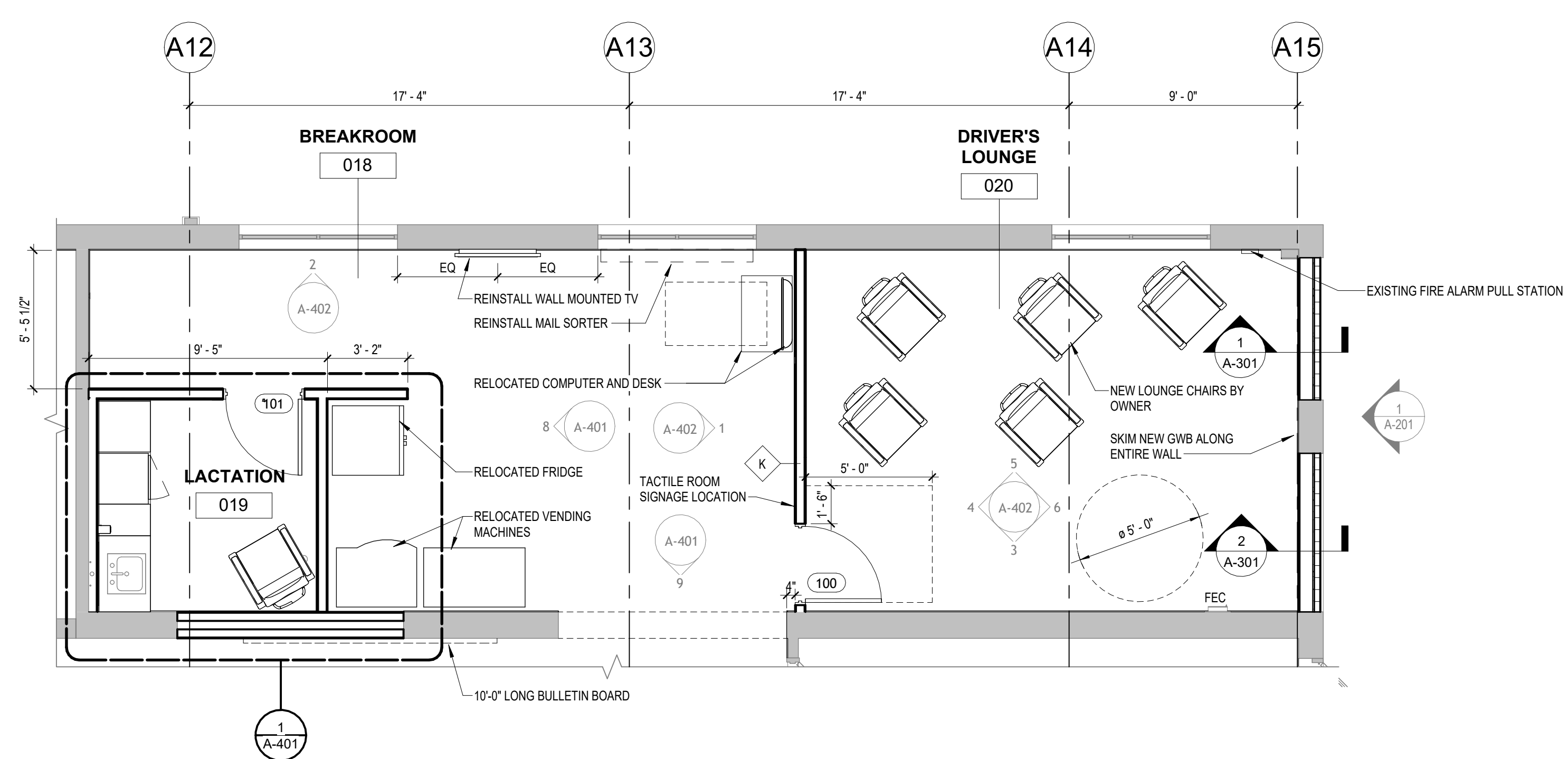
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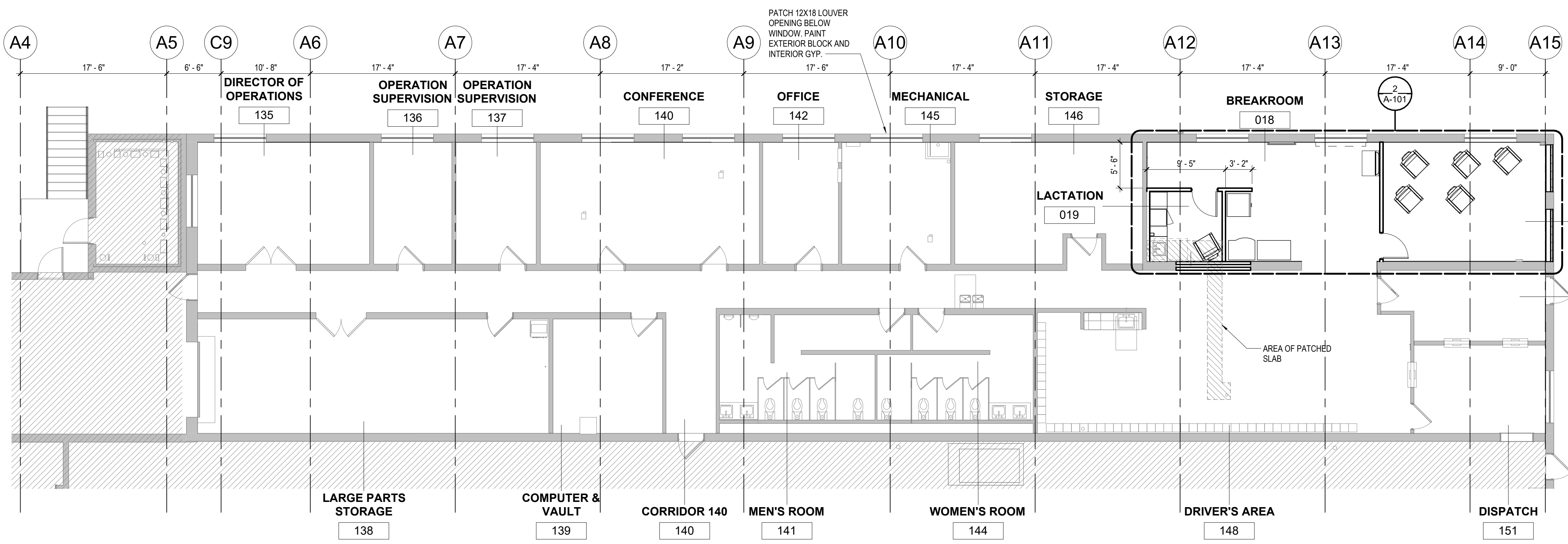
C

B

A



2 ENLARGED FLOOR PLAN - BREAKROOM
1/4" = 1'-0"



1 FLOOR PLAN - BREAKROOM
1/8" = 1'-0"

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WWW.JMTARCHITECTURE.COM

SEAL:
REGISTERED ARCHITECT
PENNSYLVANIA
MICHAEL GRABENSTEIN No. PA-09658

PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

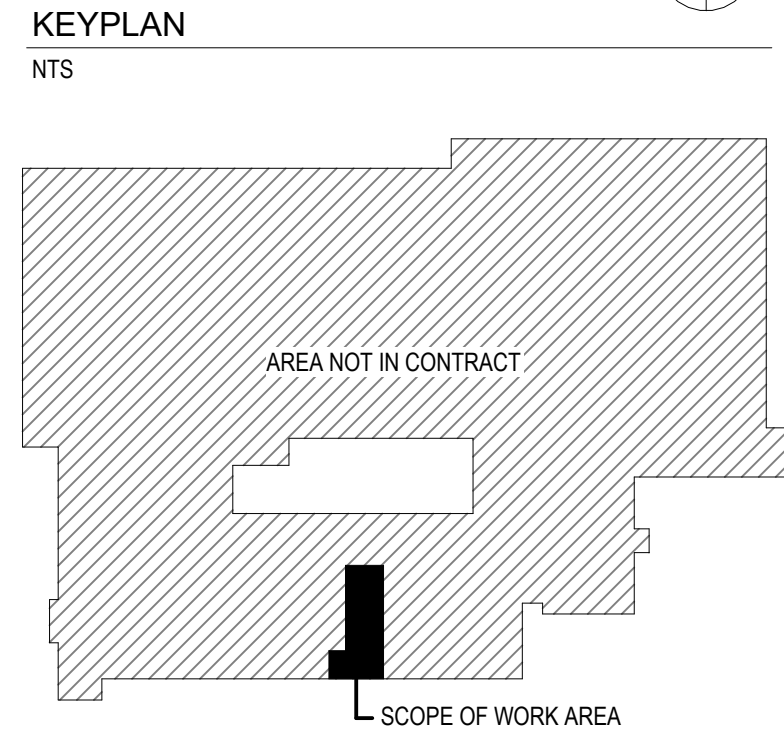
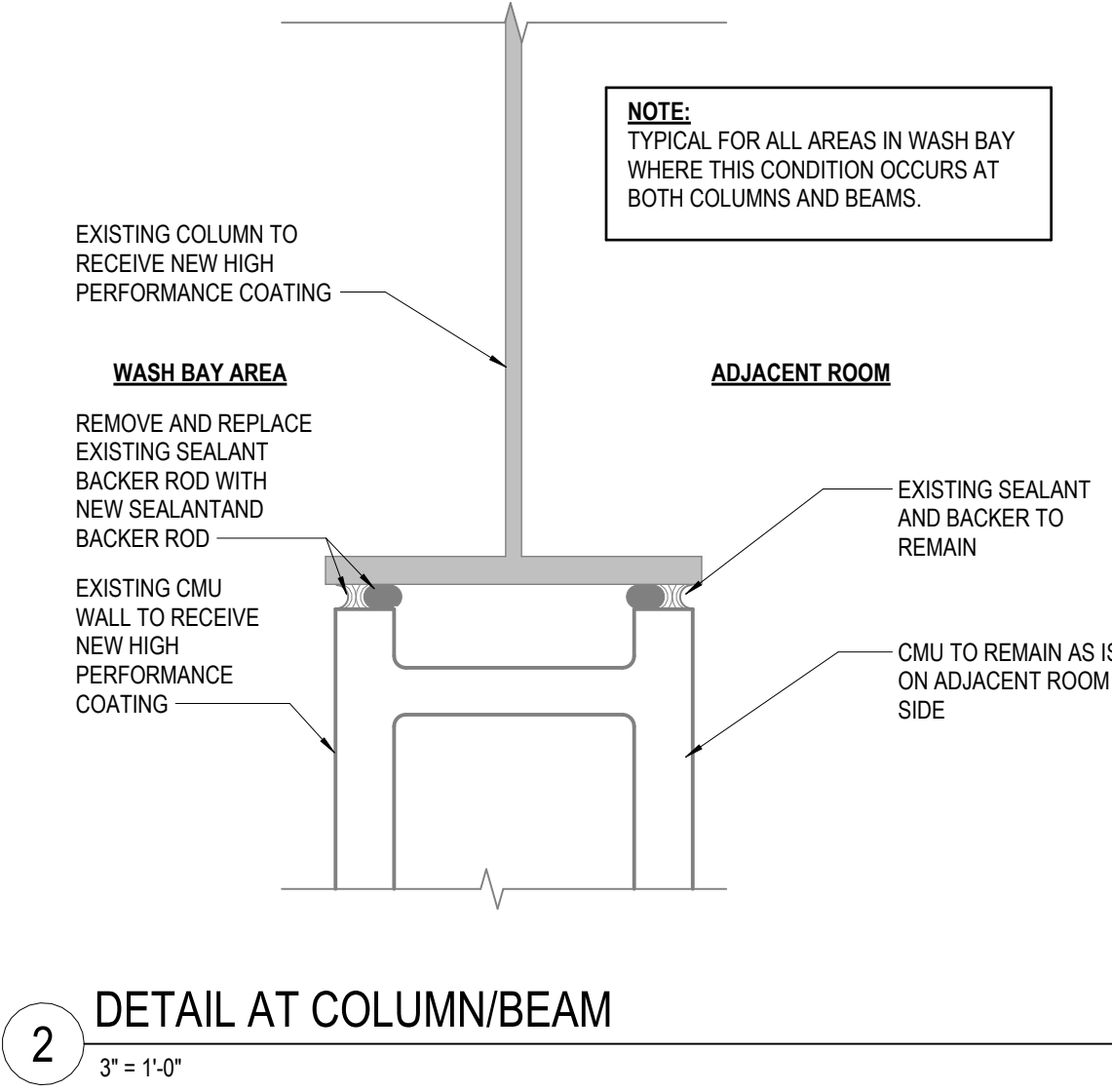
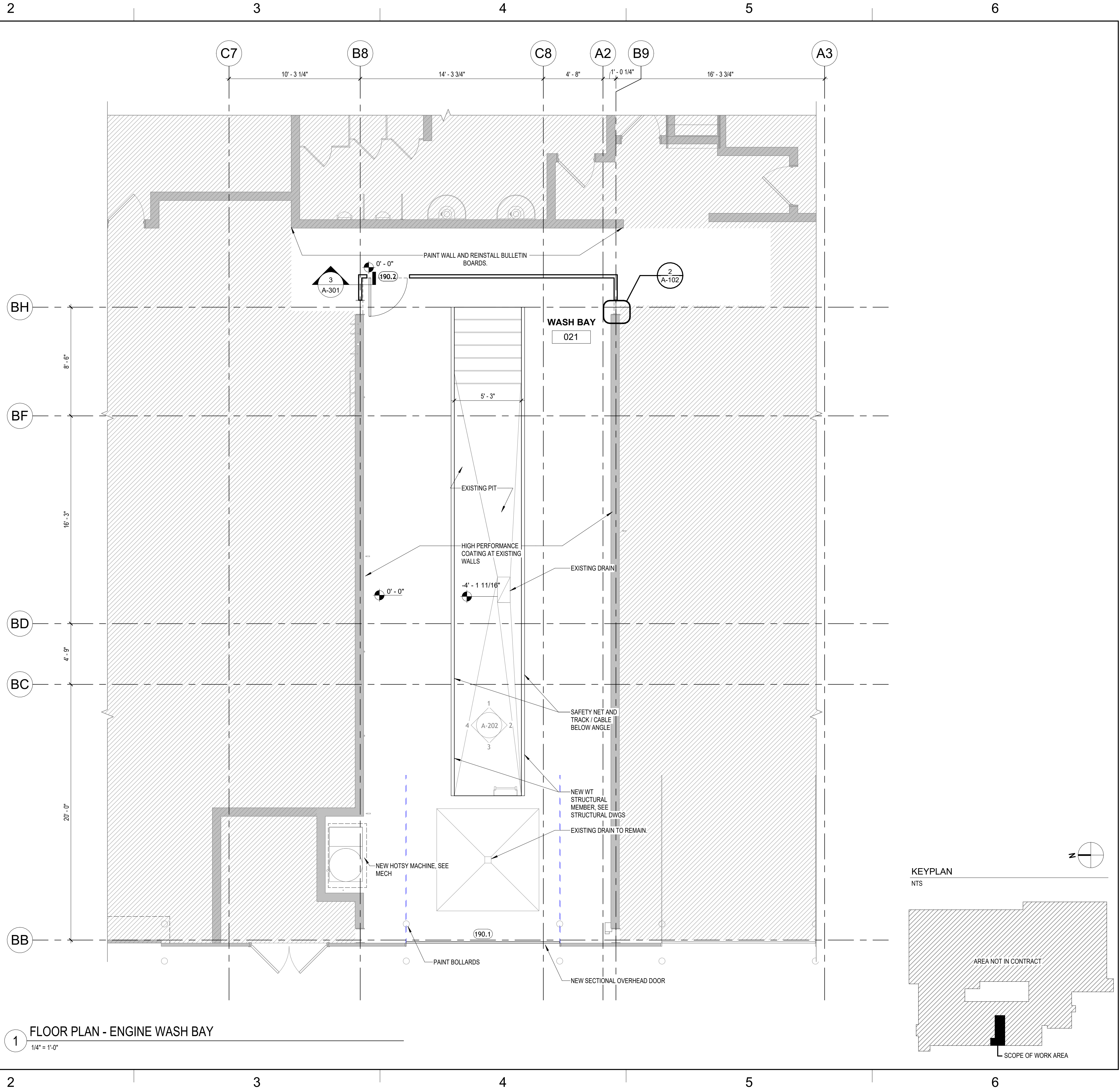
PREPARED FOR:
**SOUTH CENTRAL
TRANSIT AUTHORITY**
45 ERICK ROAD
LANCASTER PA 17601

07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION
PROJECT NO:	22-03808-004
DATE:	07/23/2026
SCALE:	As indicated
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

DRAWING TITLE:
**FLOOR PLAN -
BREAKROOM**

SHEET NUMBER:
A-101

Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004- SCTA Reading Arch_R24.rvt
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1600 MARKET STREET, SUITE 520
PHILADELPHIA, PENNSYLVANIA 19103
267.256.0300
WWW.JMTARCHITECTURE.COM

SEAL:

MICHAEL GRABENSTEIN No. 14409658

PROJECT:
SOUTH CENTRAL TRANSIT AUTHORITY
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:
SOUTH CENTRAL TRANSIT AUTHORITY
45 ERICK ROAD
LANCASTER PA 17601

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DATE: 07/23/2026			
SCALE: As indicated			
DESIGNED BY: Designer			
DRAWN BY: Author			
CHECKED BY: Checker			

DRAWING TITLE:
FLOOR PLAN - ENGINE WASH BAY

SHEET NUMBER:
A-102

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_ SCTA Reading Arch_R04.rvt
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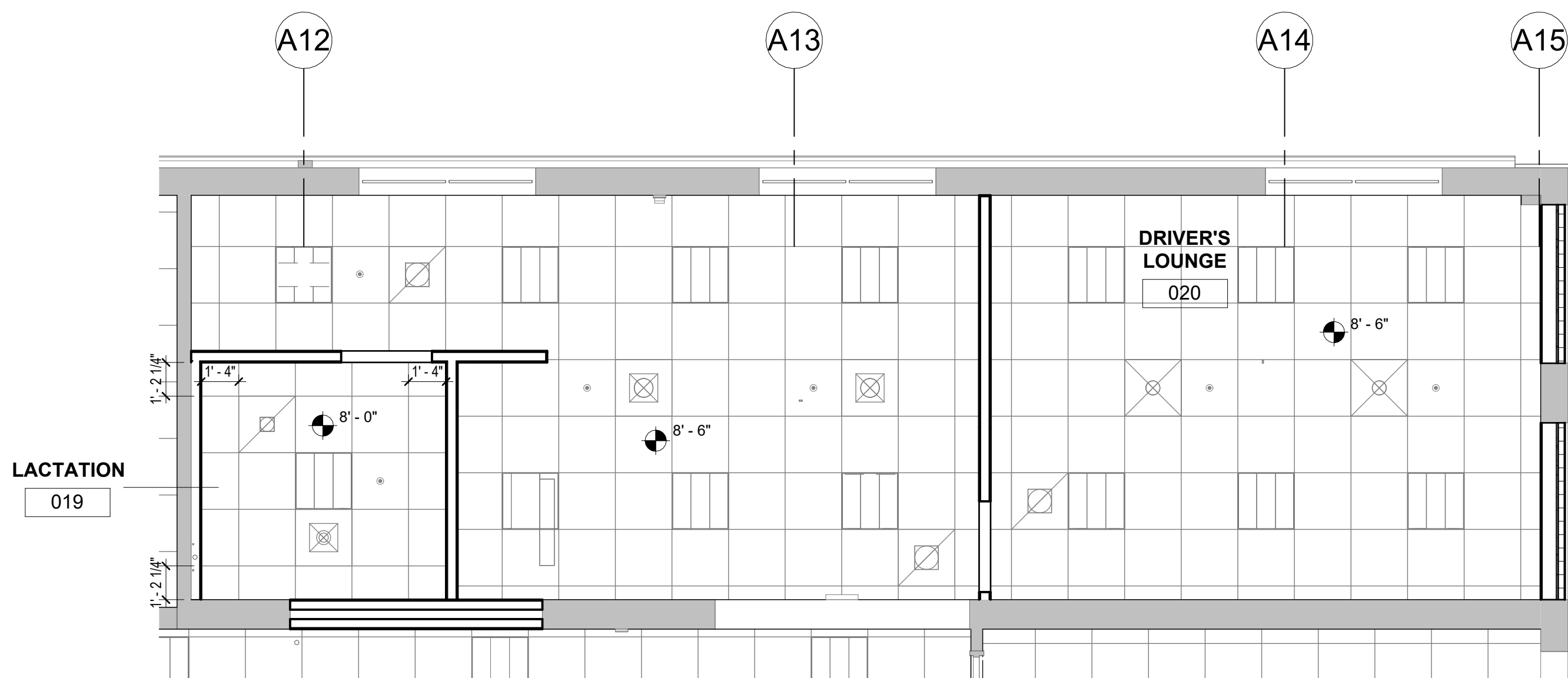
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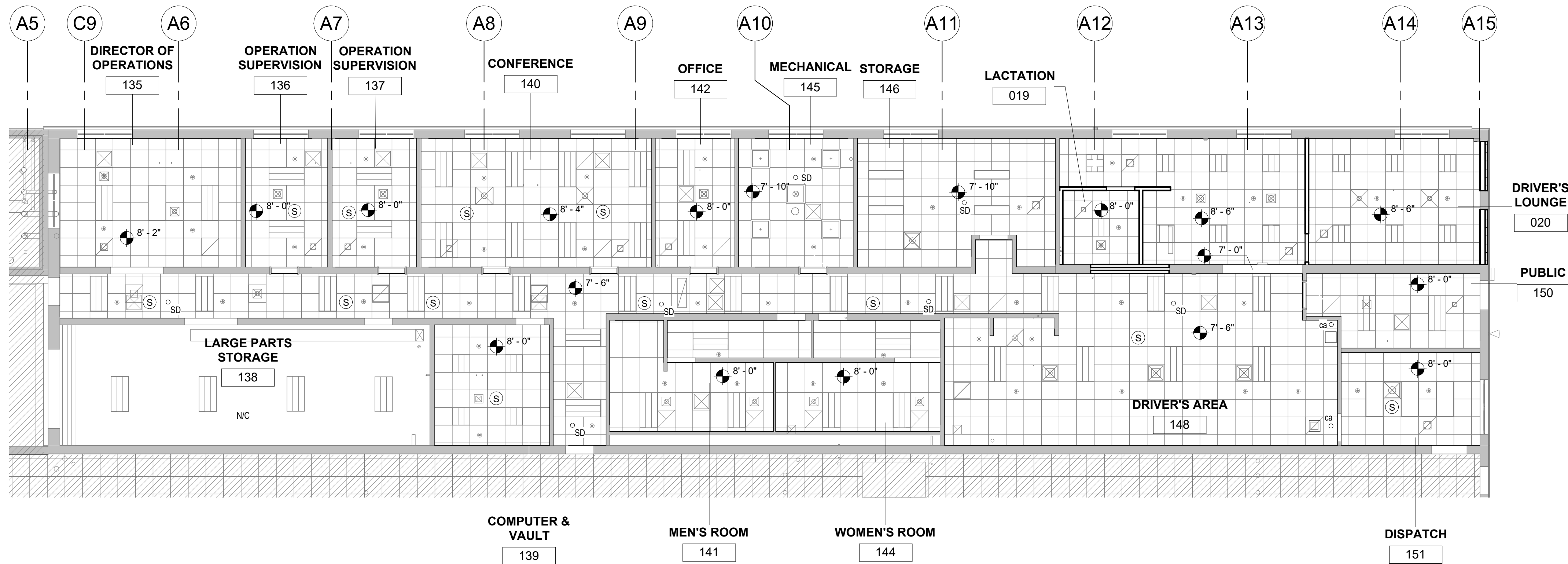
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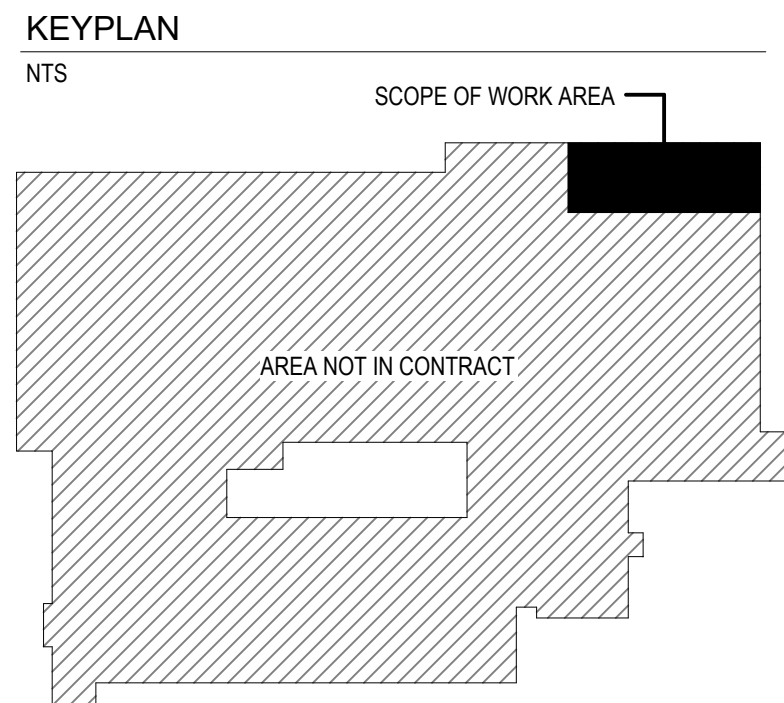
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1 ENLARGED REFLECTED CEILING PLAN - BREAKROOM
1/4" = 1'-0"

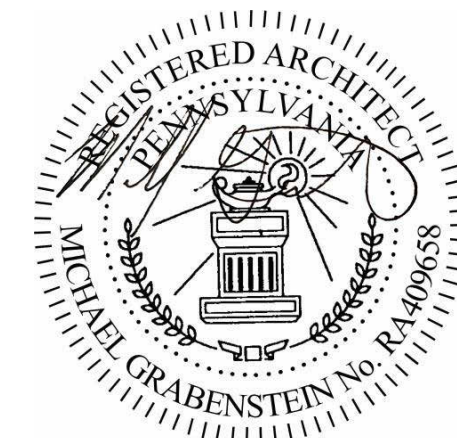


CEILING LEGEND			
	2'x4' ACOUSTICAL CEILING TILE		2'x2' RETURN AIR GRILLE (SEE MECHANICAL)
	2'x2' ACOUSTICAL CEILING TILE		2'x2' RETURN AIR DIFFUSER (SEE MECHANICAL)
	GWB CEILING		EXHAUST FAN (SEE MECHANICAL)
	2'x4' DIRECT/INDIRECT FIXTURE (SEE ELECTRICAL)		NIC NO CEILING
	2'x2' DIRECT/INDIRECT FIXTURE (SEE ELECTRICAL)		* SPRINKLER
	SUSPENDED FIXTURE (SEE ELECTRICAL)		● CEILING HEIGHT
	SUSPENDED HIGH BAY LIGHTING (SEE ELECTRICAL)		
DASHED FIXTURES AND CEILINGS ARE TO BE REMOVED			



3 REFLECTED CEILING PLAN - BREAKROOM
1/8" = 1'-0"

SEAL:



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AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

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LANCASTER PA 17601

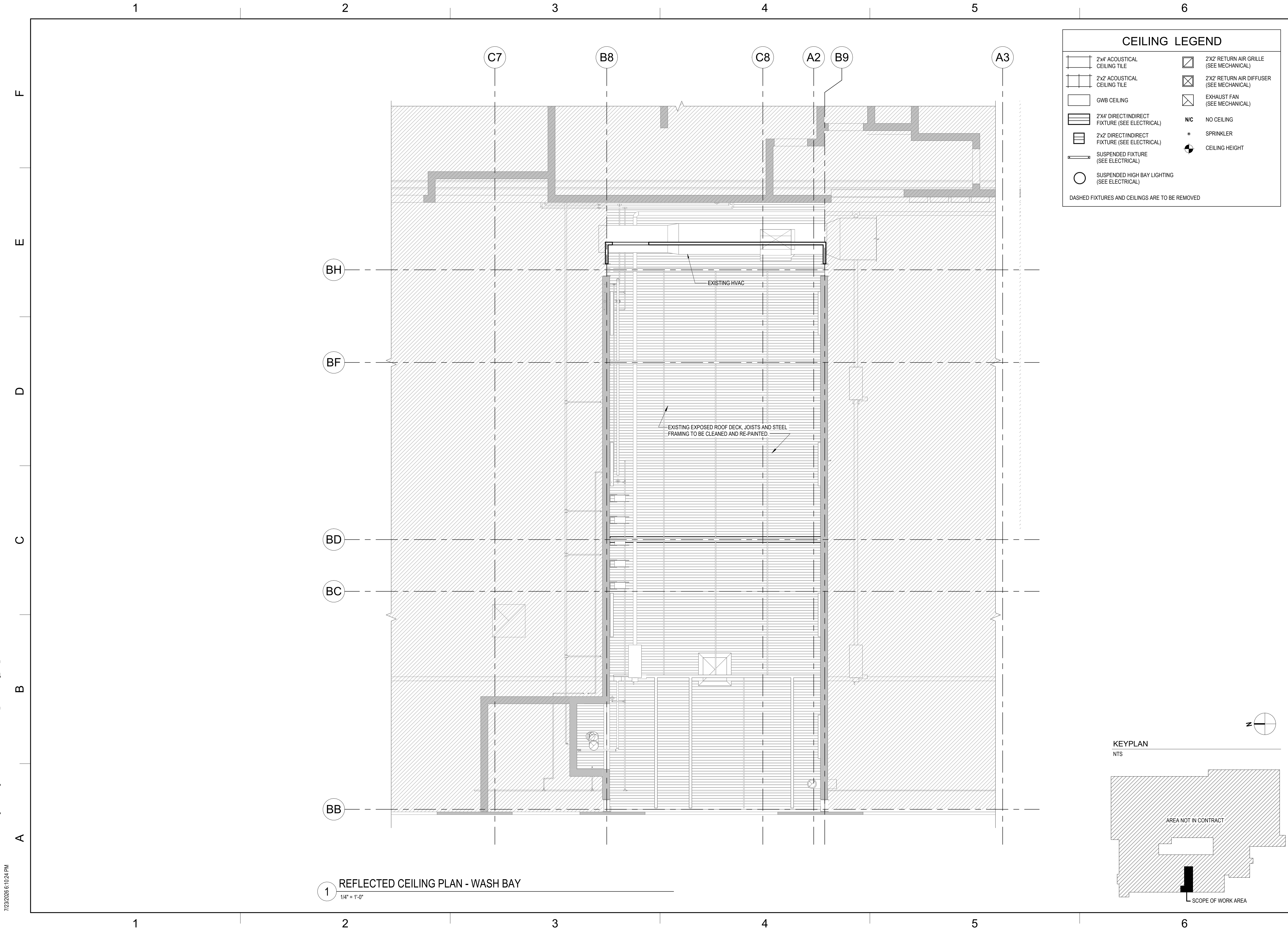
07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION
PROJECT NO:	22-03808-004
DATE:	07/23/2026
SCALE:	As indicated
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

DRAWING TITLE:
**REFLECTED CEILING
PLAN - BREAKROOM**

SHEET NUMBER:

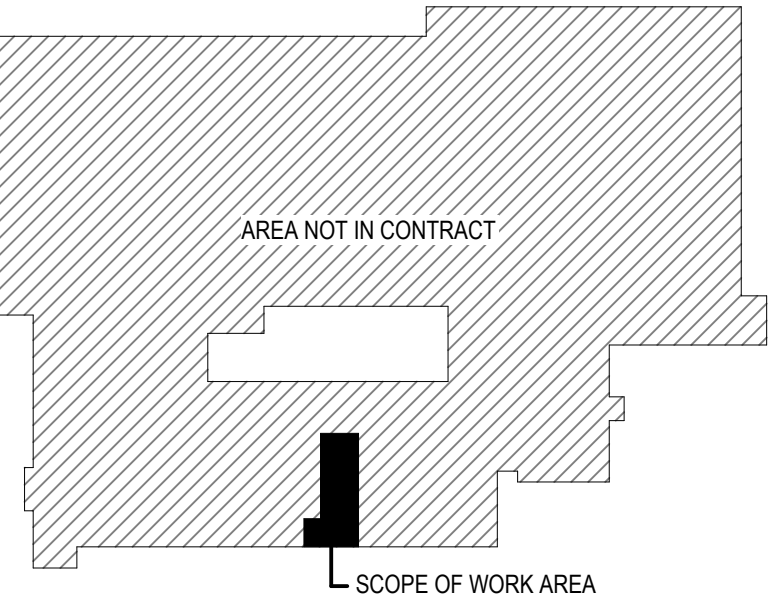
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Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004_SCTA Reading_Arch_R24.rvt
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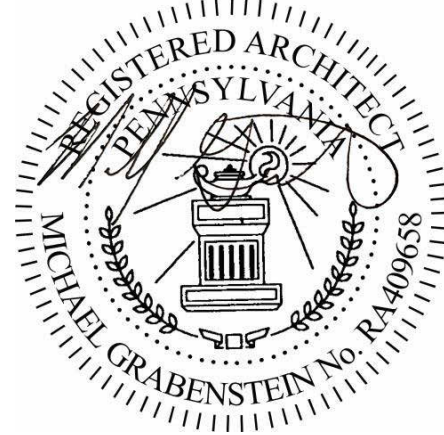


CEILING LEGEND			
	2'x4' ACOUSTICAL CEILING TILE		2'x2' RETURN AIR GRILLE (SEE MECHANICAL)
	2'x2' ACOUSTICAL CEILING TILE		2'x2' RETURN AIR DIFFUSER (SEE MECHANICAL)
	GWB CEILING		EXHAUST FAN (SEE MECHANICAL)
	2'x4' DIRECT/INDIRECT FIXTURE (SEE ELECTRICAL)		NIC NO CEILING
	2'x2' DIRECT/INDIRECT FIXTURE (SEE ELECTRICAL)		SPRINKLER
	SUSPENDED FIXTURE (SEE ELECTRICAL)		CEILING HEIGHT
	SUSPENDED HIGH BAY LIGHTING (SEE ELECTRICAL)		
DASHED FIXTURES AND CEILINGS ARE TO BE REMOVED			

KEYPLAN
NTS



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1700 N. 11TH STREET
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LANCASTER PA 17601

07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: NM
DRAWN BY: CB/ NM
CHECKED BY: MG

DRAWING TITLE:
**REFLECTED CEILING
PLAN - ENGINE WASH
BAY**

SHEET NUMBER:

A-112

Autodesk Docs: 22-03808-004- SCTA Reading Driver Lounge and Chassis Wash 22-03808-004- SCTA Reading Arch_R04.rvt
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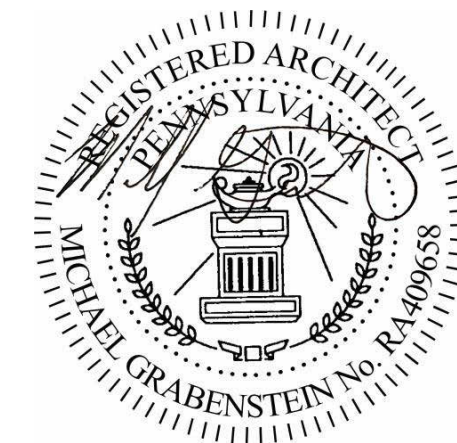
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A



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PHILADELPHIA, PENNSYLVANIA 19103
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	07/23/2026		

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: NM

DRAWN BY: CB/NM

CHECKED BY: MG

DRAWING TITLE:
ROOF PLAN - ADMIN

SHEET NUMBER:

A-121

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1

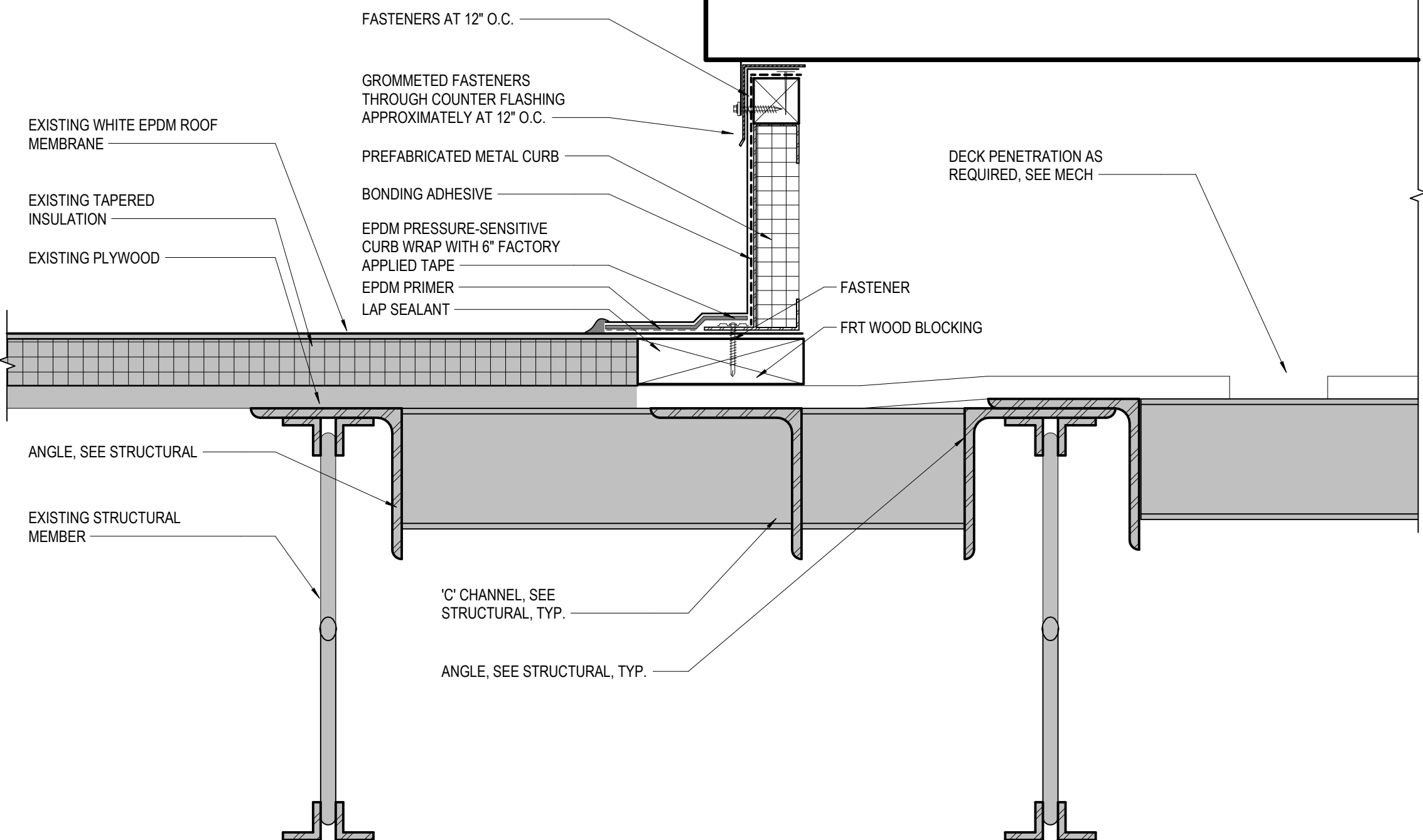
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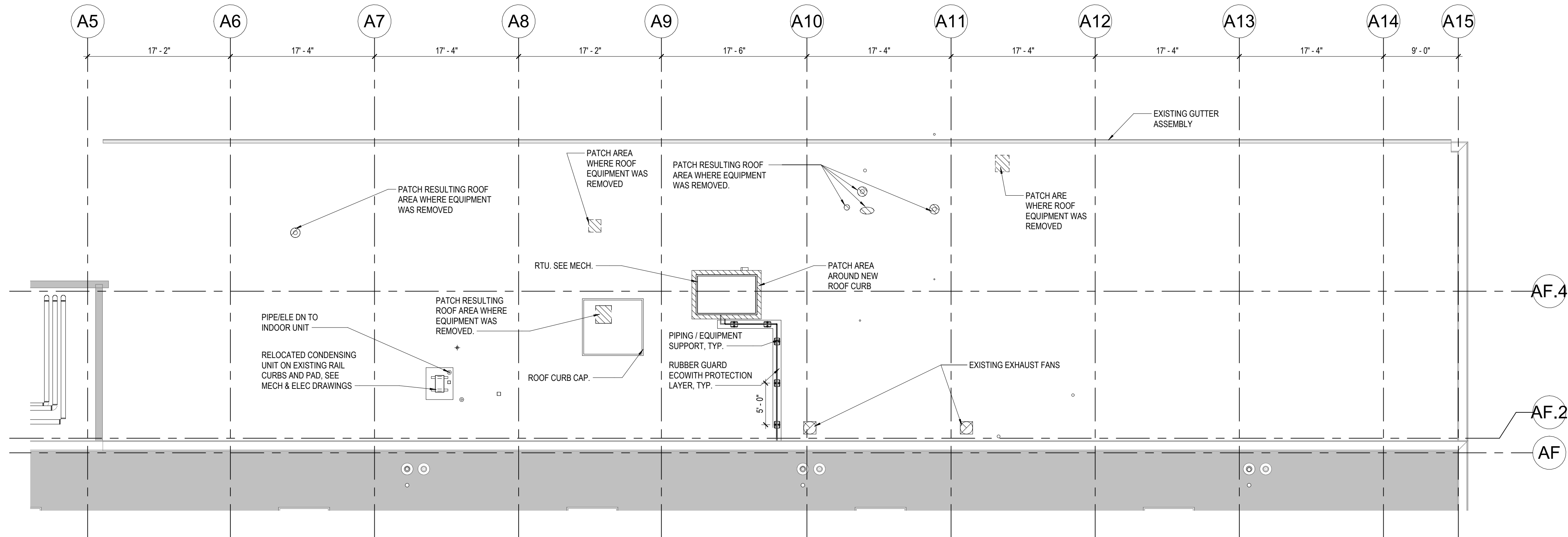
4

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3 ROOF TOP CURB DETAIL AT LOUNGE
3" = 1'-0"



1 ROOF PLAN - ADMIN
1/8" = 1'-0"

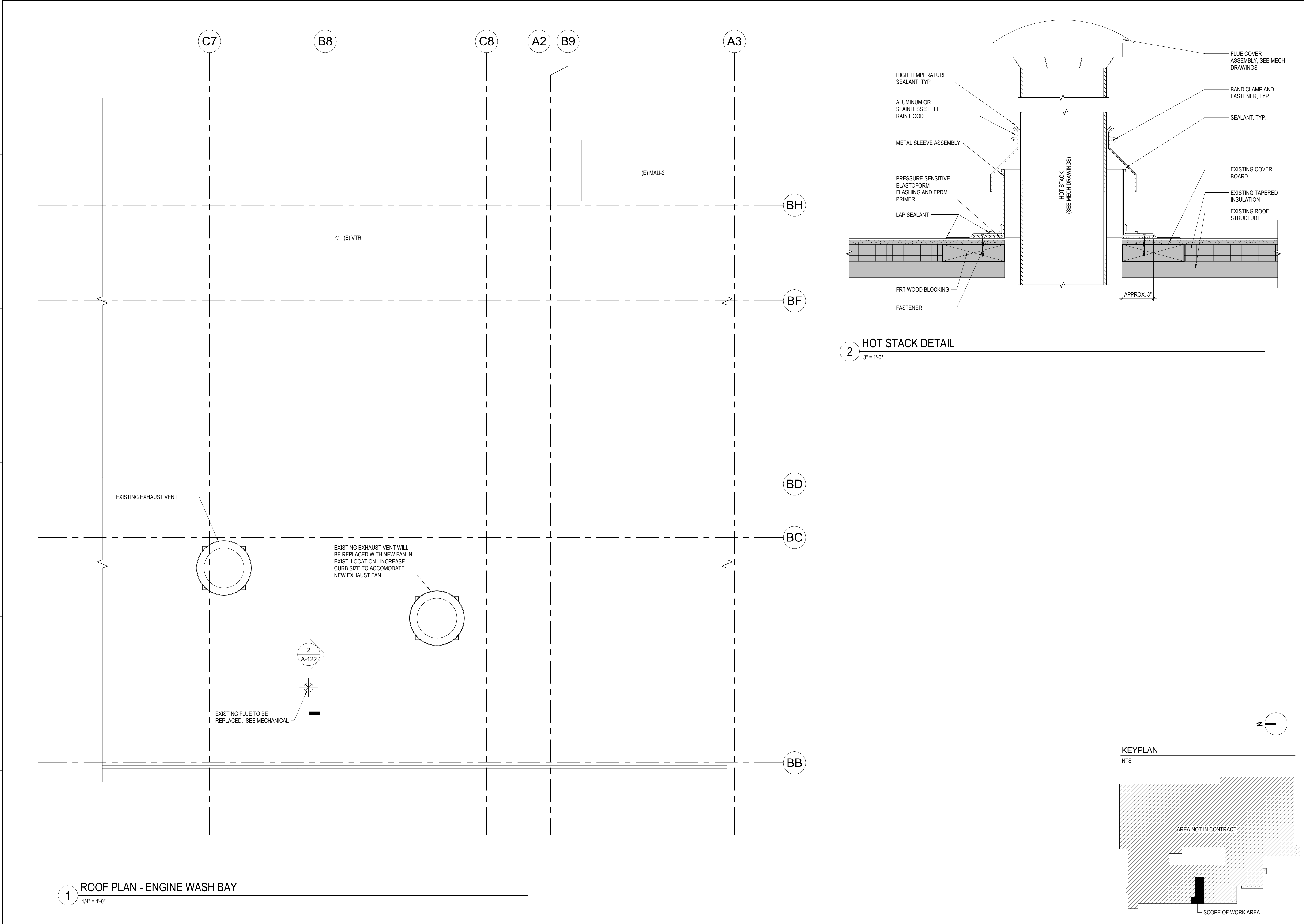
KEYPLAN

NTS

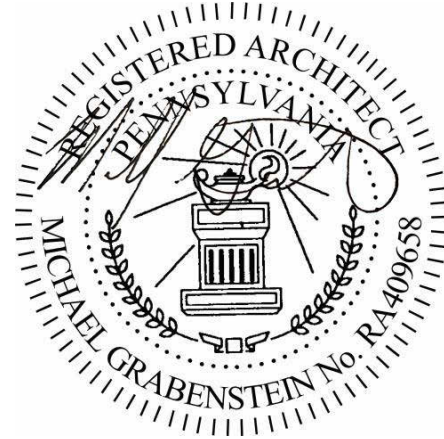
SCOPE OF WORK AREA

AREA NOT IN CONTRACT

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_SCTA Reading_Arch_R04.rvt
7/23/2026 6:10:27 PM



SEAL:



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AND ENGINE WASH BAY

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	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: Designer

DRAWN BY: Author

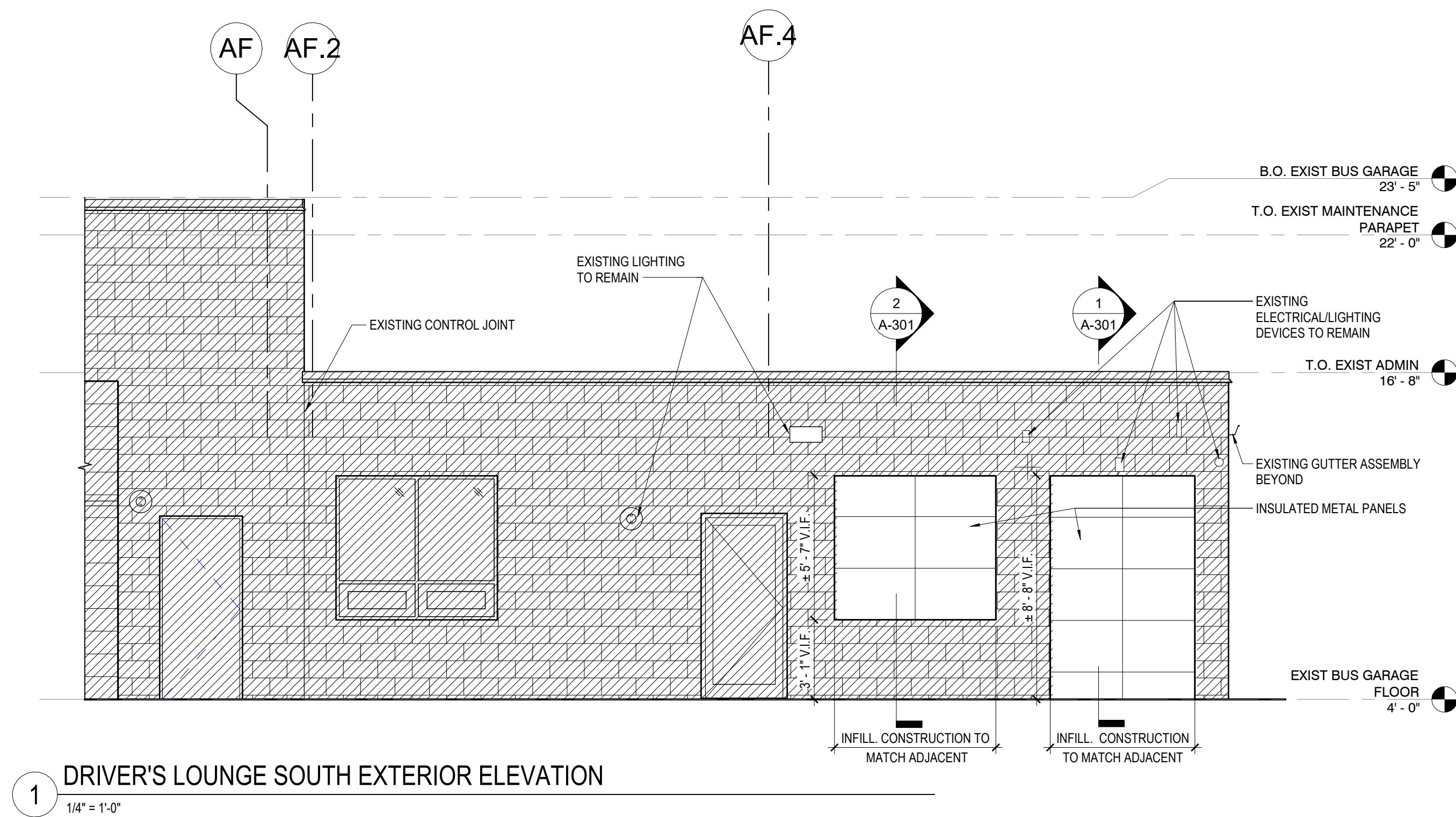
CHECKED BY: Checker

DRAWING TITLE:
**ROOF PLAN - ENGINE
WASH BAY**

SHEET NUMBER:

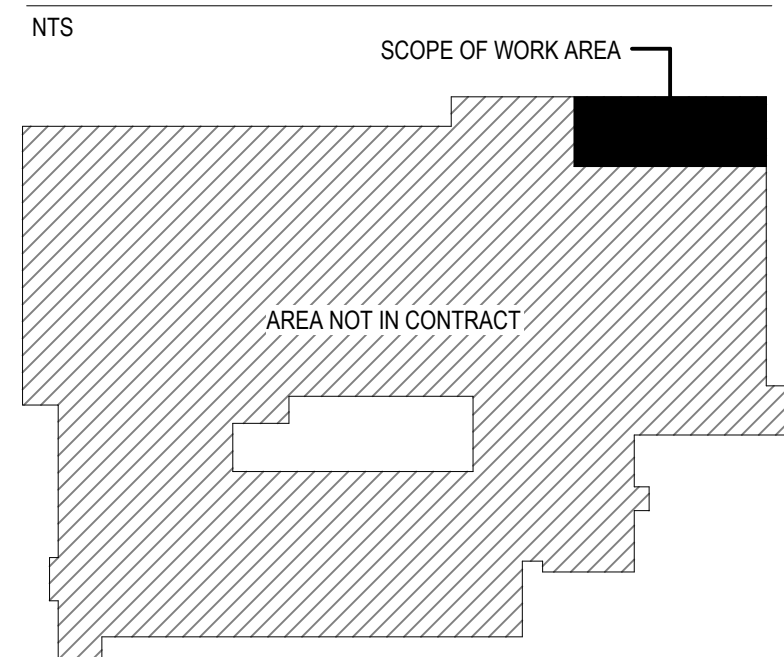
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Autodesk Docs: /22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004- SCTA Reading Arch_R24.rvt
7/23/2026 6:10:29 PM



1 DRIVER'S LOUNGE SOUTH EXTERIOR ELEVATION
1/4" = 1'-0"

KEYPLAN



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ARCHITECTURE

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1600 MARKET STREET, SUITE 520
PHILADELPHIA, PENNSYLVANIA 19103
267.256.0300
WWW.JMTARCHITECTURE.COM

SEAL:

PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: 1/4" = 1'-0"
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
ELEVATIONS

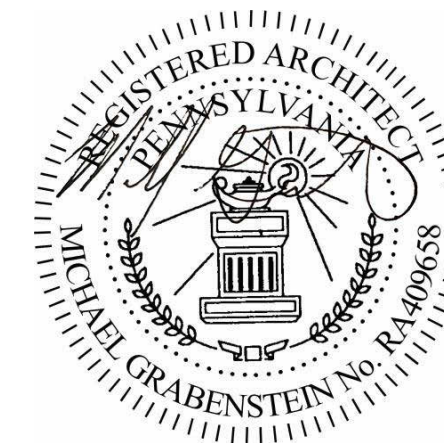
SHEET NUMBER:
A-201

Autodesk Docs: 22-03808-004 - SCTA Reading Driver Lounge and Chassis Wash 22-03808-004 - SCTA Reading Arch_R24.rvt
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	07/23/2026		

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

DESIGNED BY: Designer

DRAWN BY: Author

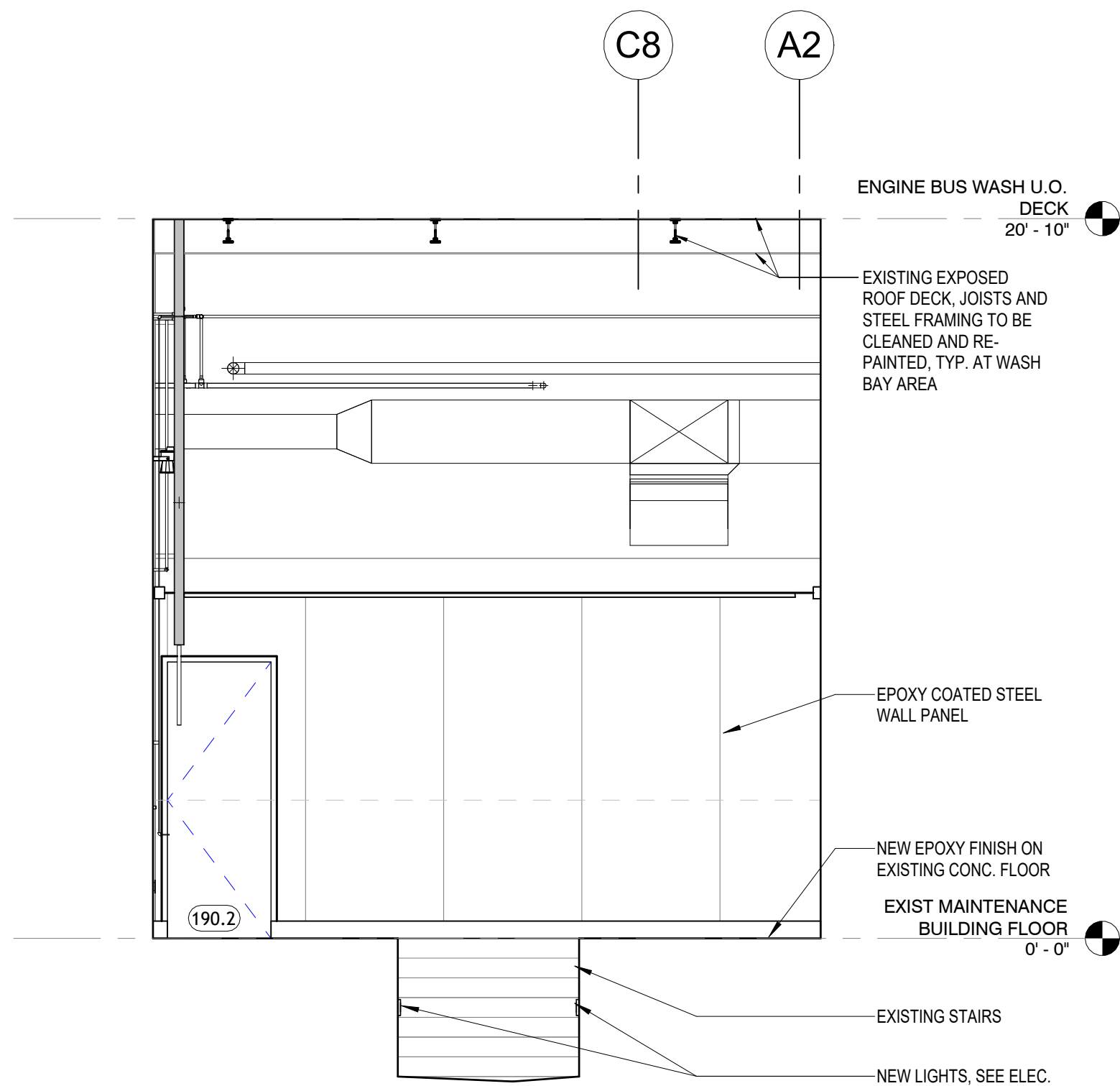
CHECKED BY: Checker

DRAWING TITLE:
**ELEVATIONS - WASH
BAY**

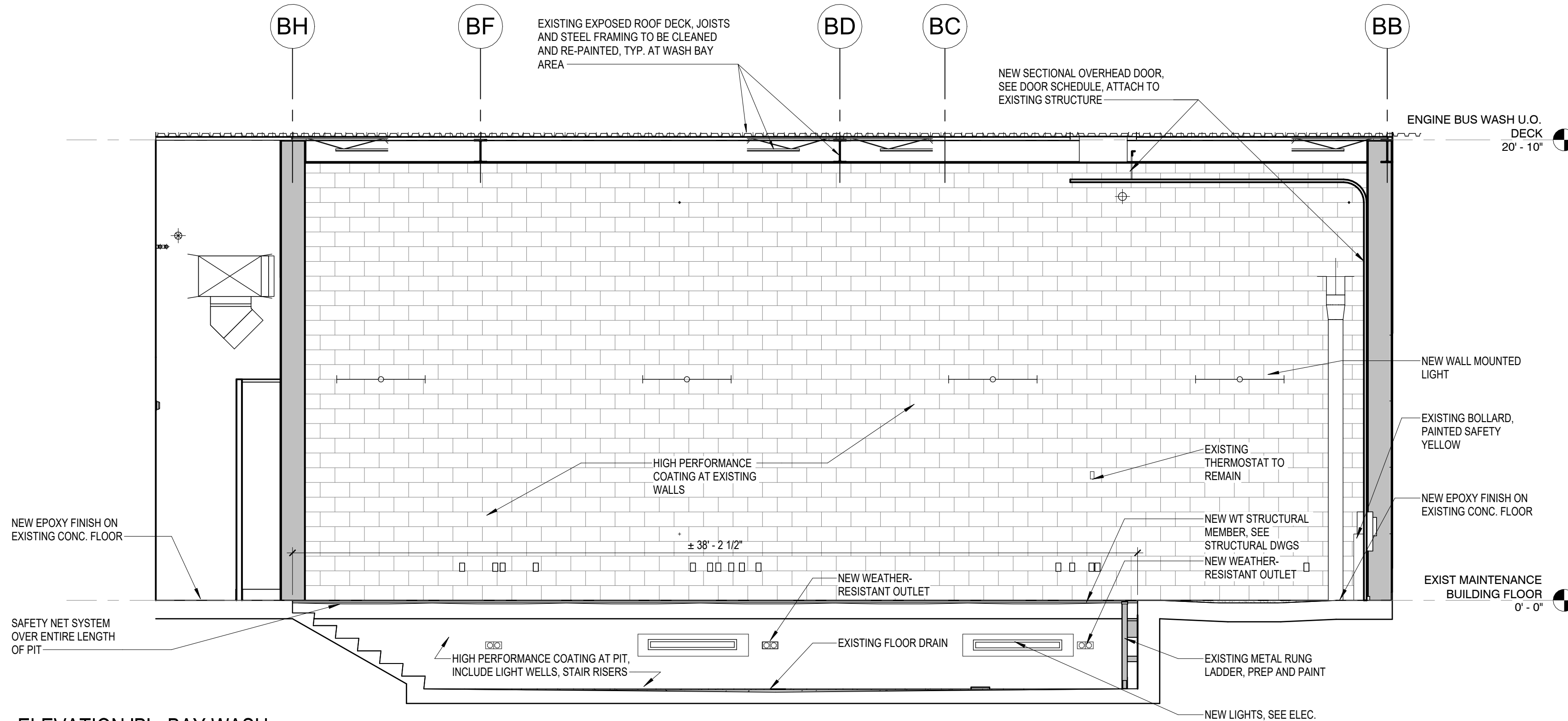
SHEET NUMBER:

A-202

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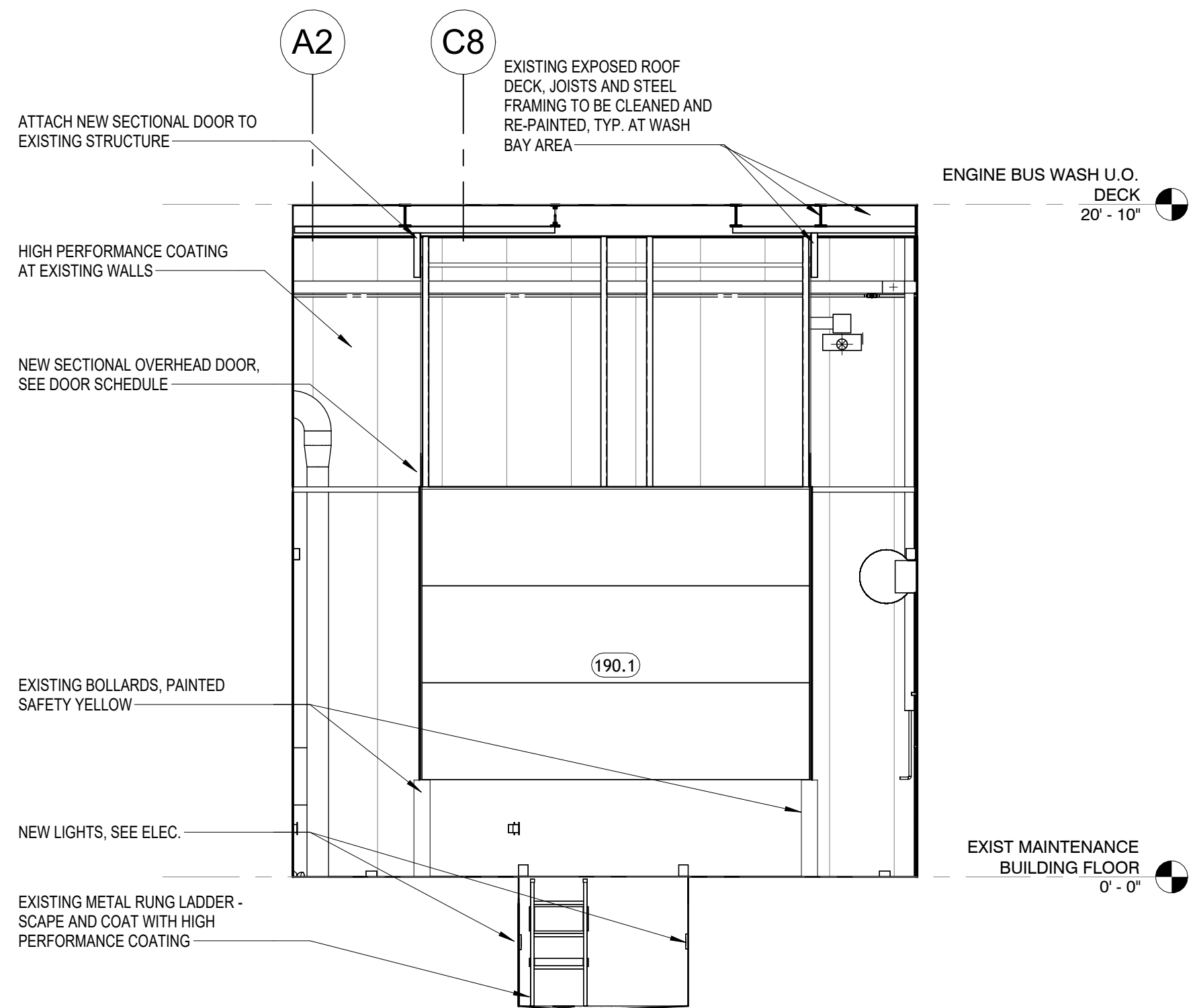


1 ELEVATION 'A' - BAY WASH
1/4" = 1'-0"

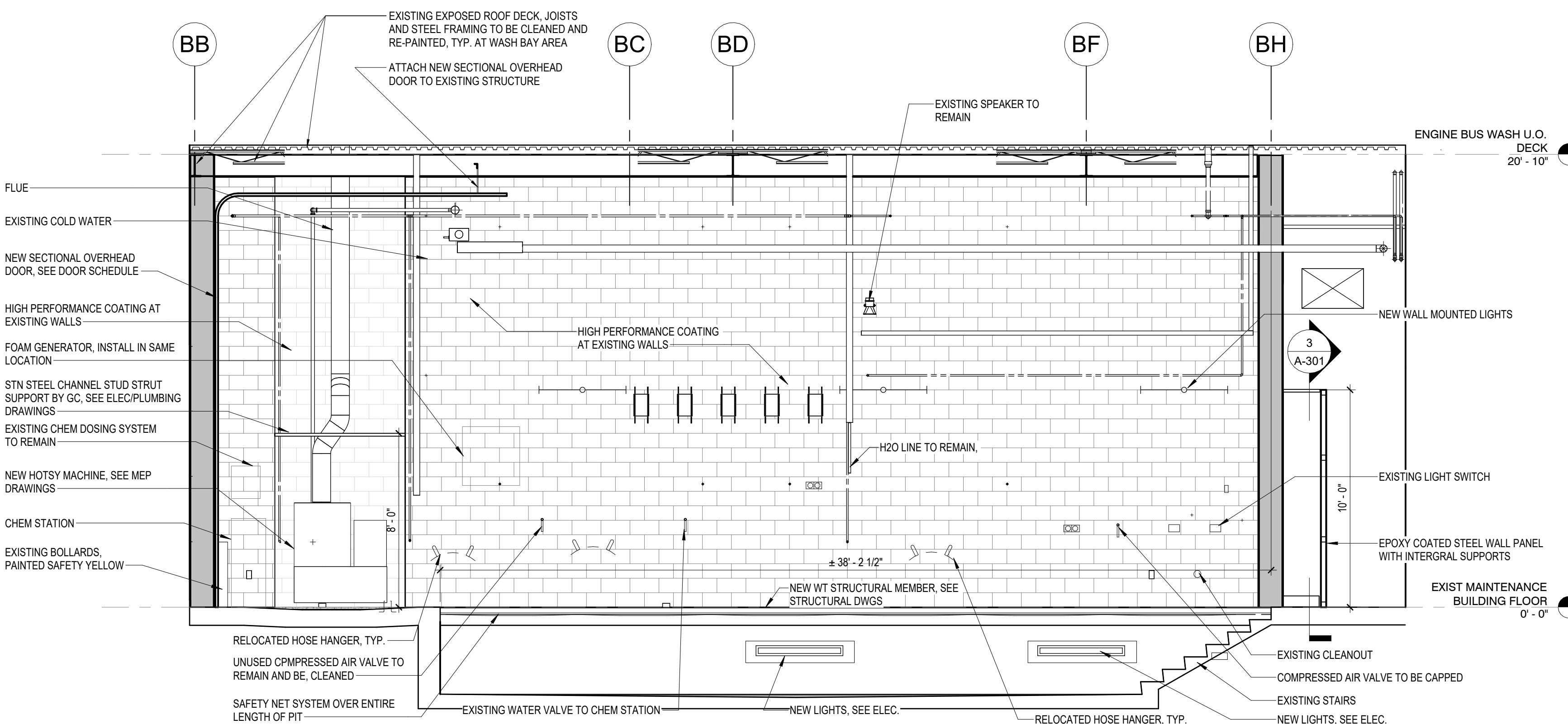


2 ELEVATION 'B' - BAY WASH
1/4" = 1'-0"

NOTE:
REMOVE ANY MISCELLANEOUS WALL HOOKS, HOLDERS, ETC.
PATCH HOLES AND CRACKS IN WALLS PRIOR TO PAINTING

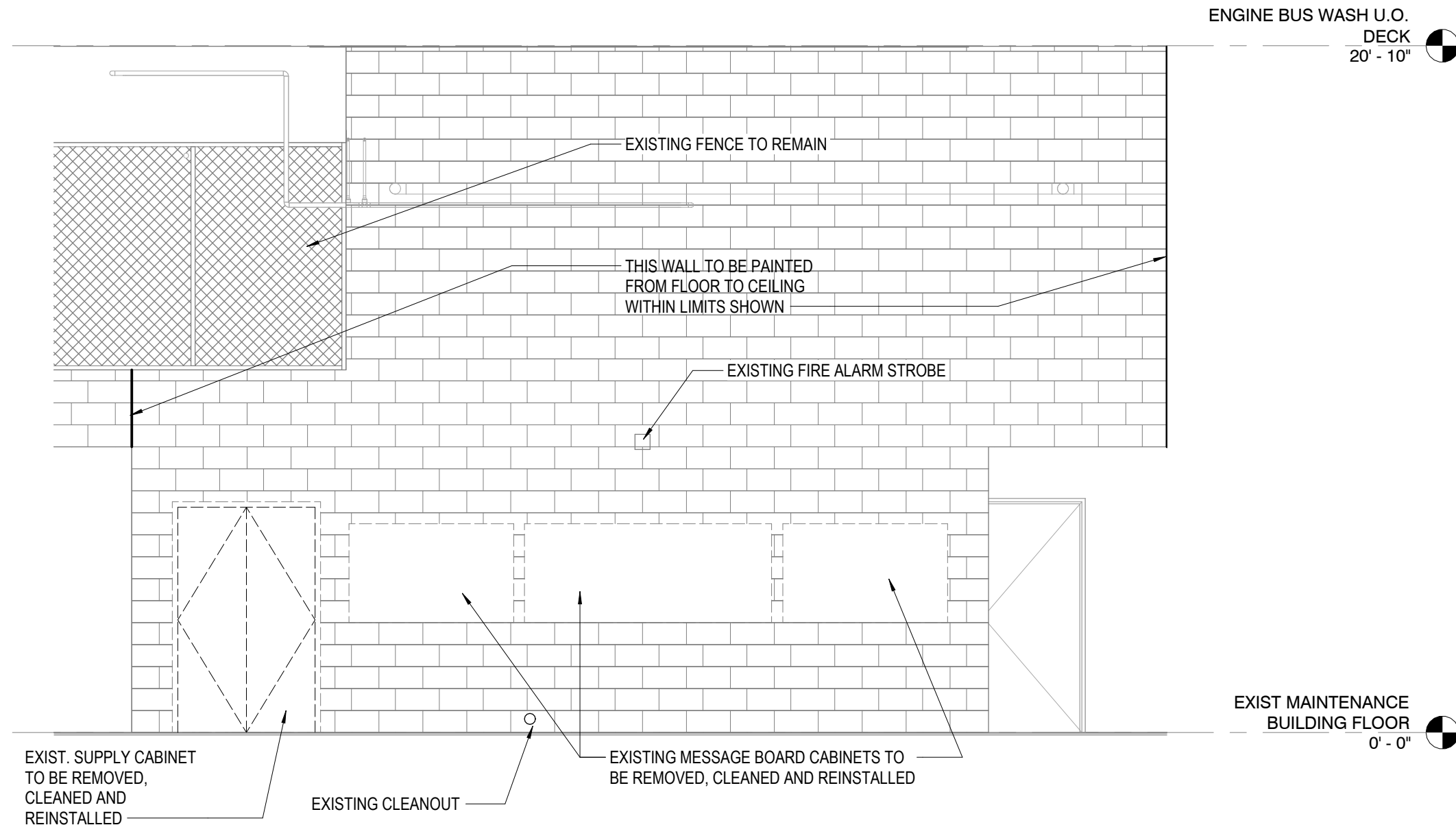


3 ELEVATION 'C' - BAY WASH
1/4" = 1'-0"

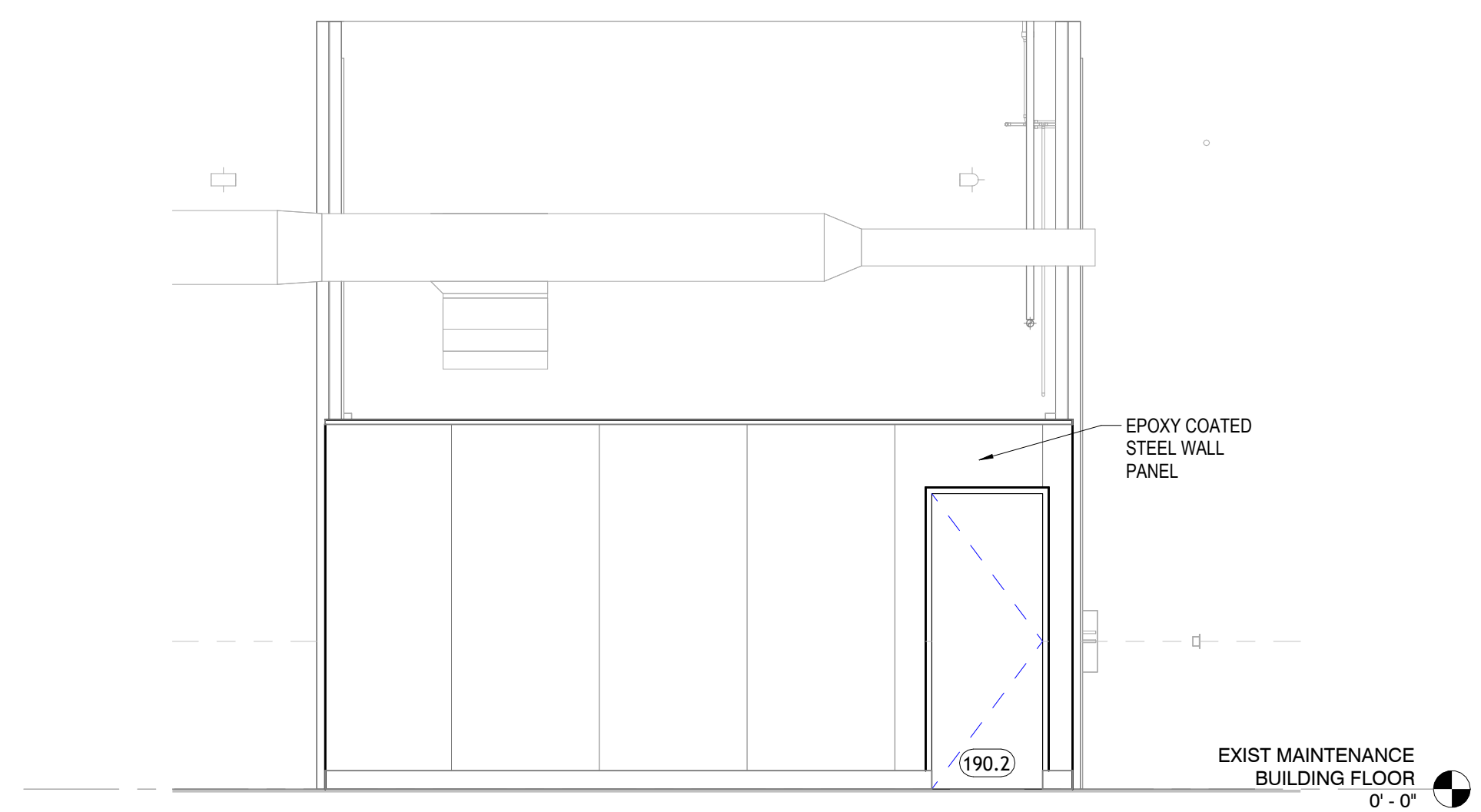


4 ELEVATION 'D' - BAY WASH
1/4" = 1'-0"

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2 WASH BAY CORRIDOR ELEVATION - 2
1/4" = 1'-0"



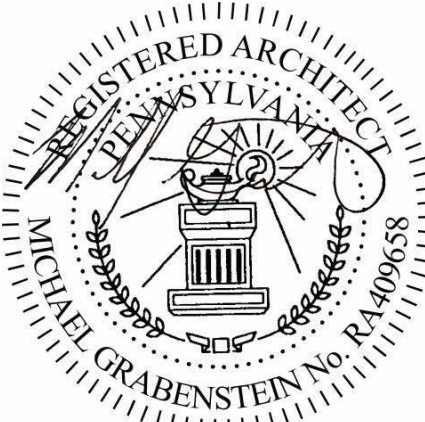
1 WASH BAY CORRIDOR ELEVATION
1/4" = 1'-0"



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1700 N. 11TH STREET
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PREPARED FOR:

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45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: 1/4" = 1'-0"
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker

DRAWING TITLE:
**ELEVATIONS - WASH
BAY**

SHEET NUMBER:
A-203

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004- SCTA Reading Arch_R24.rvt
7/23/2026 6:10:41 PM

F

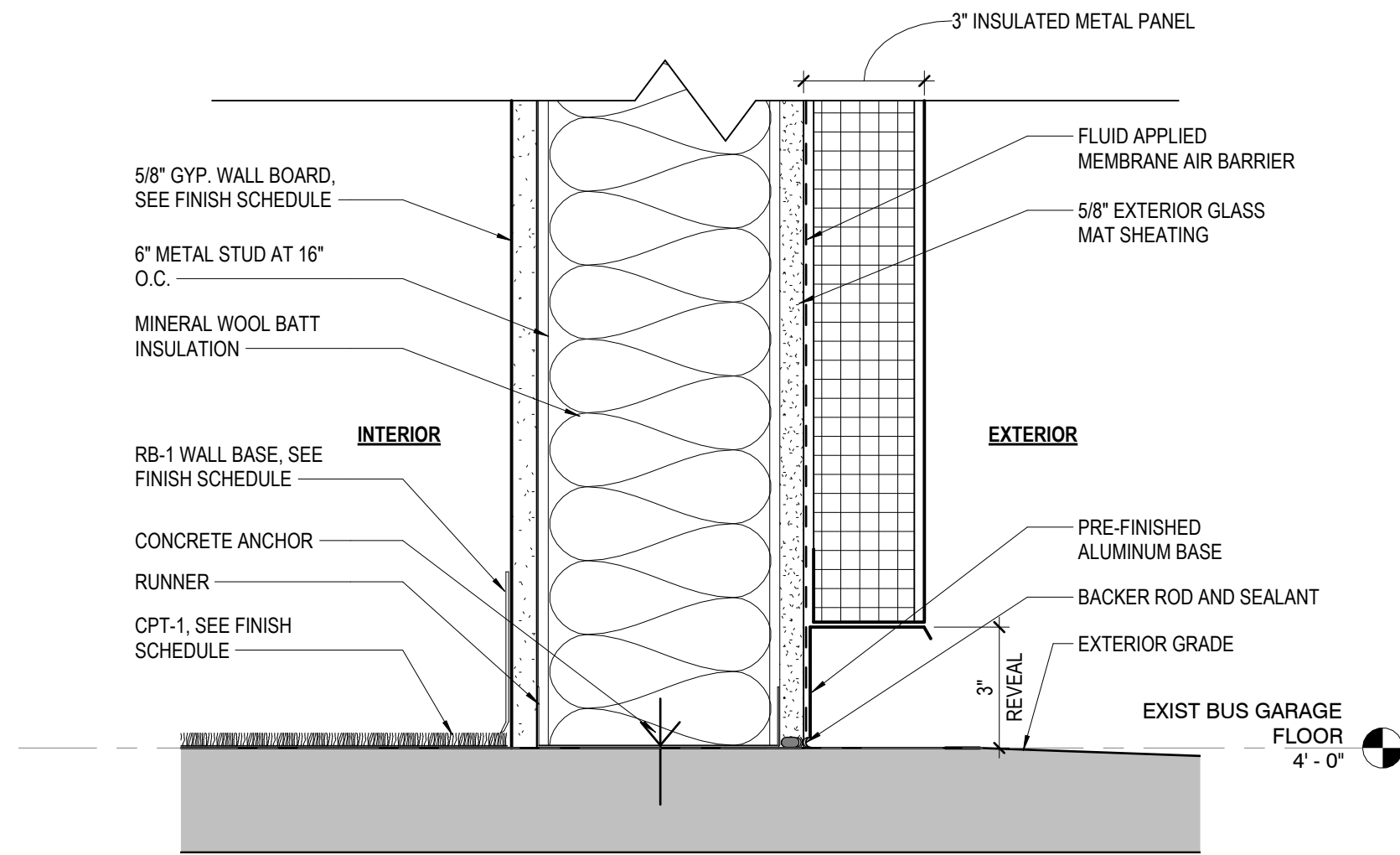
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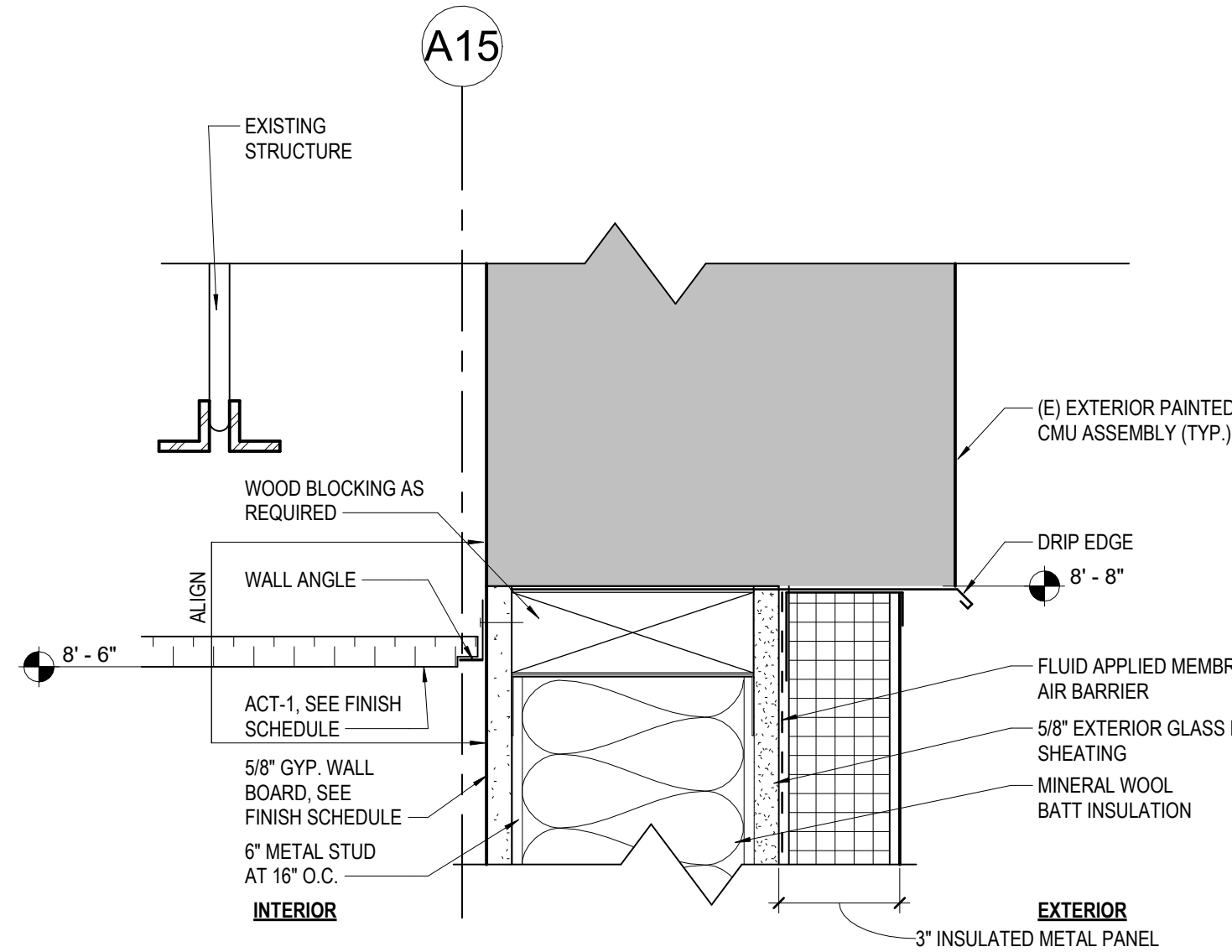
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B

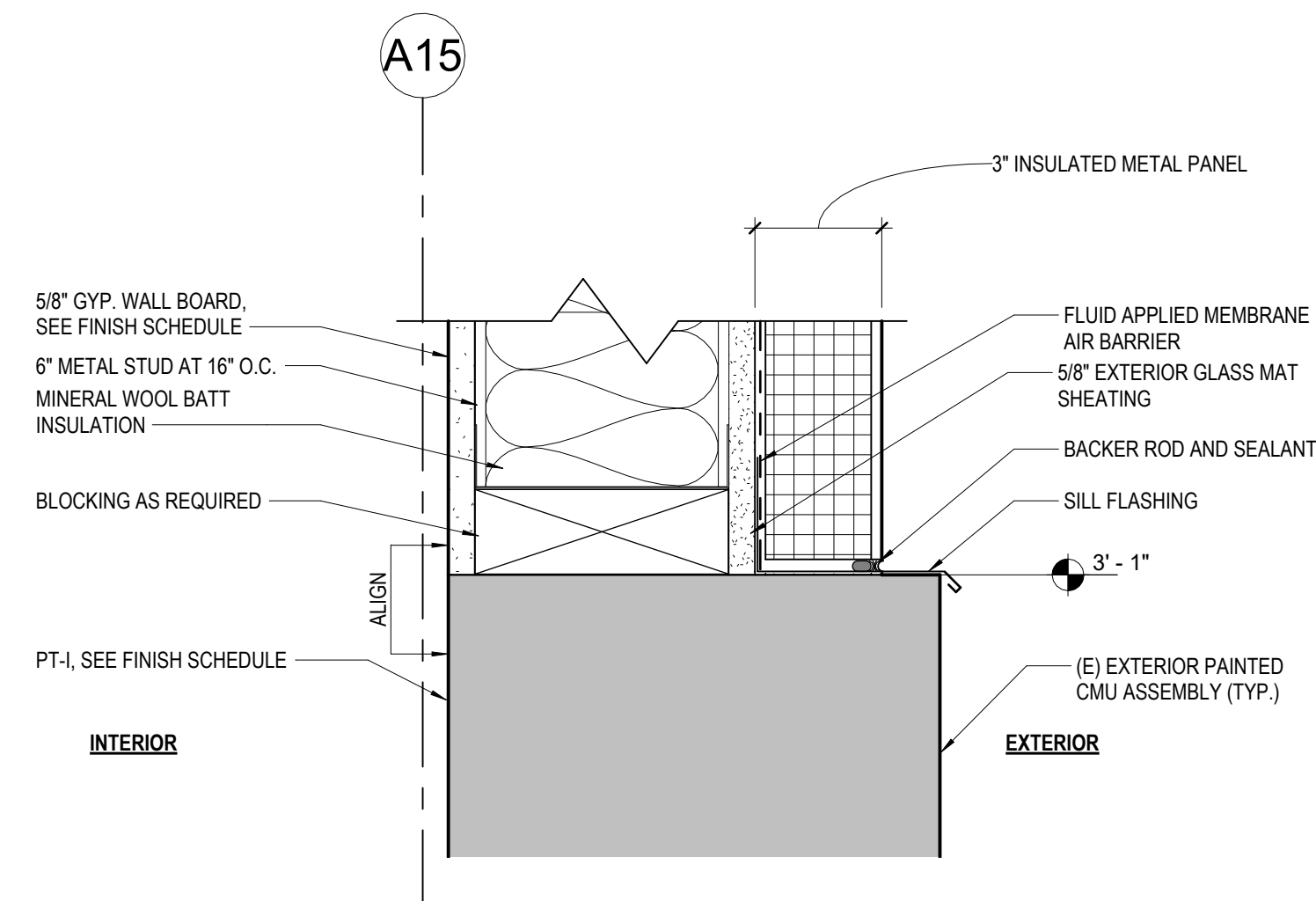
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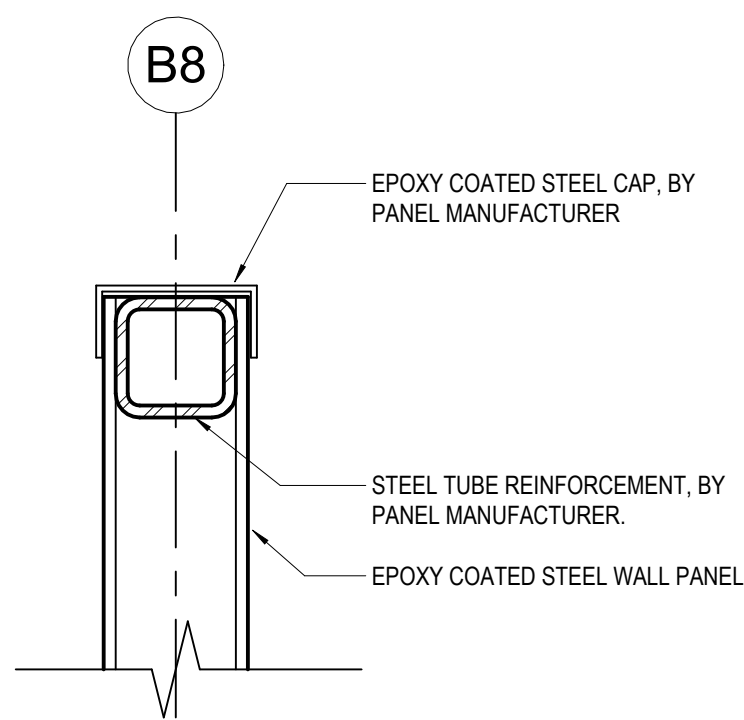
8 INFILL DETAIL AT BASE
3" = 1'-0"



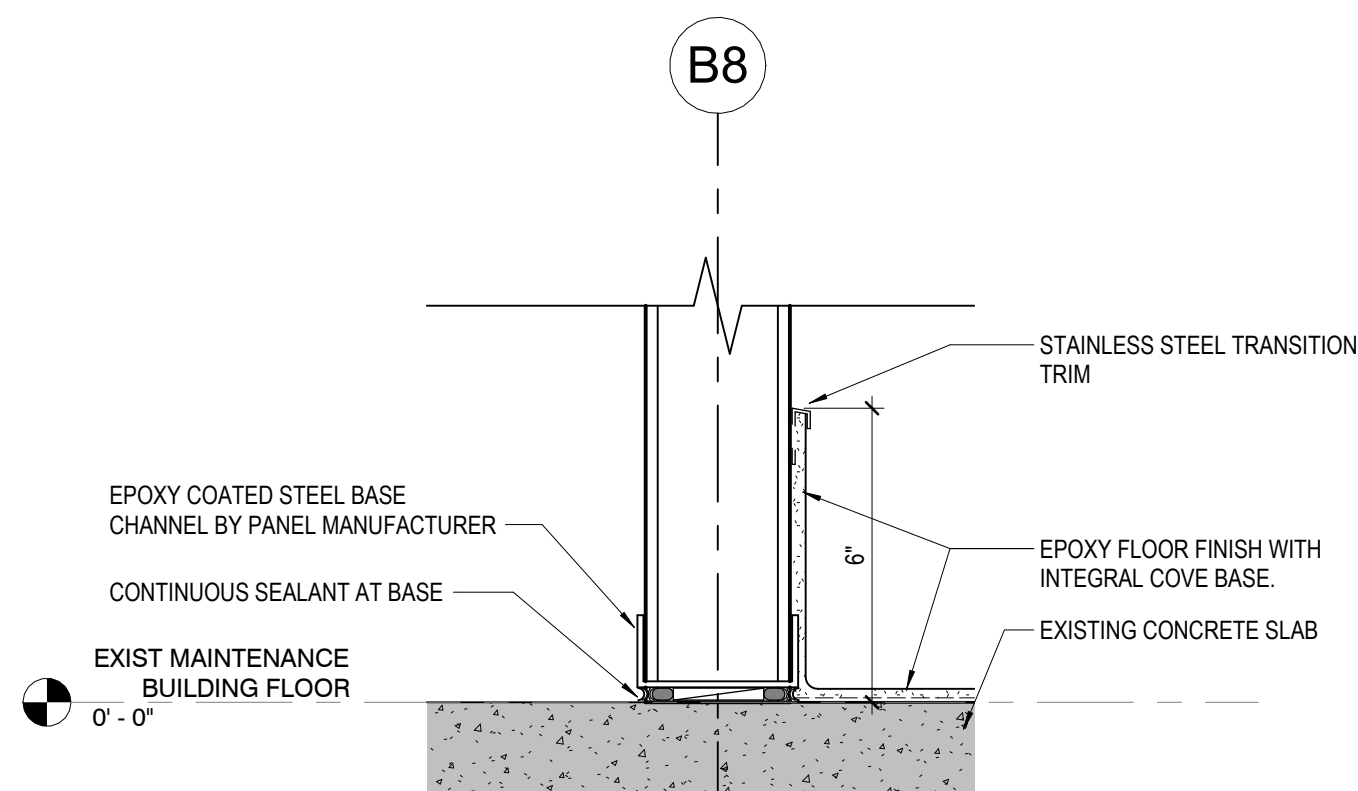
7 INFILL DETAIL AT HEAD
3" = 1'-0"



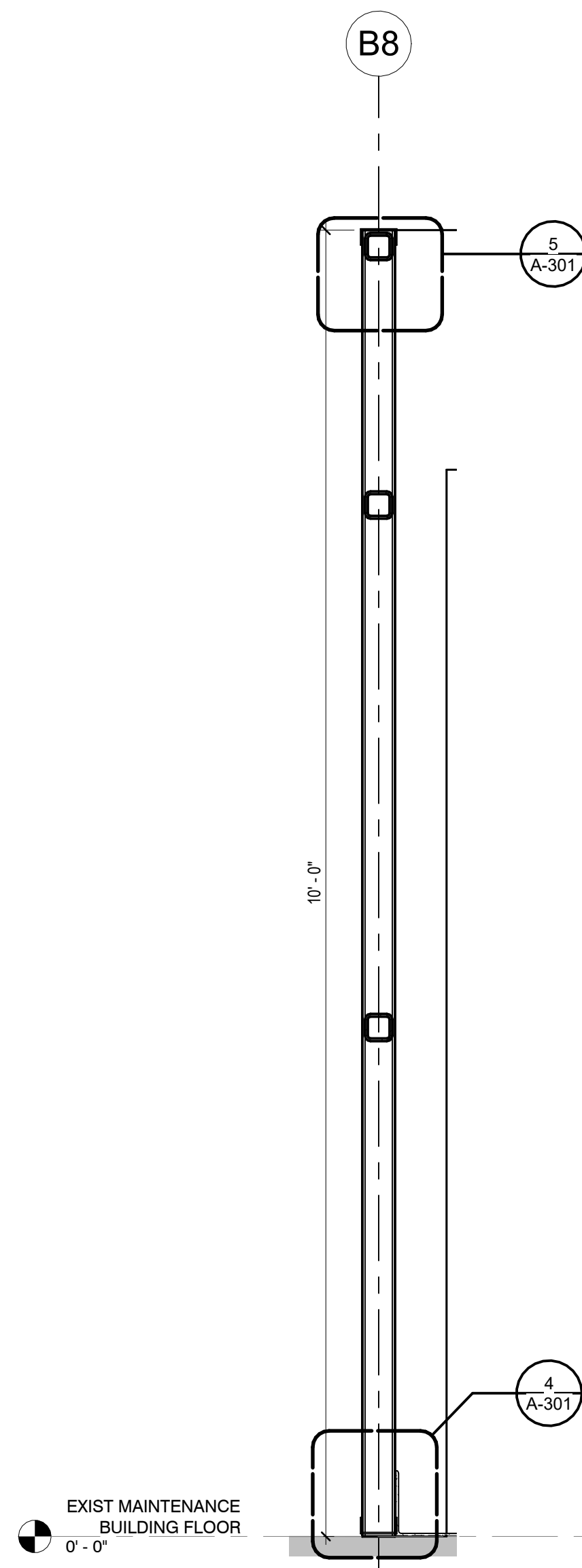
6 INFILL DETAIL AT WINDOW STOOL
3" = 1'-0"



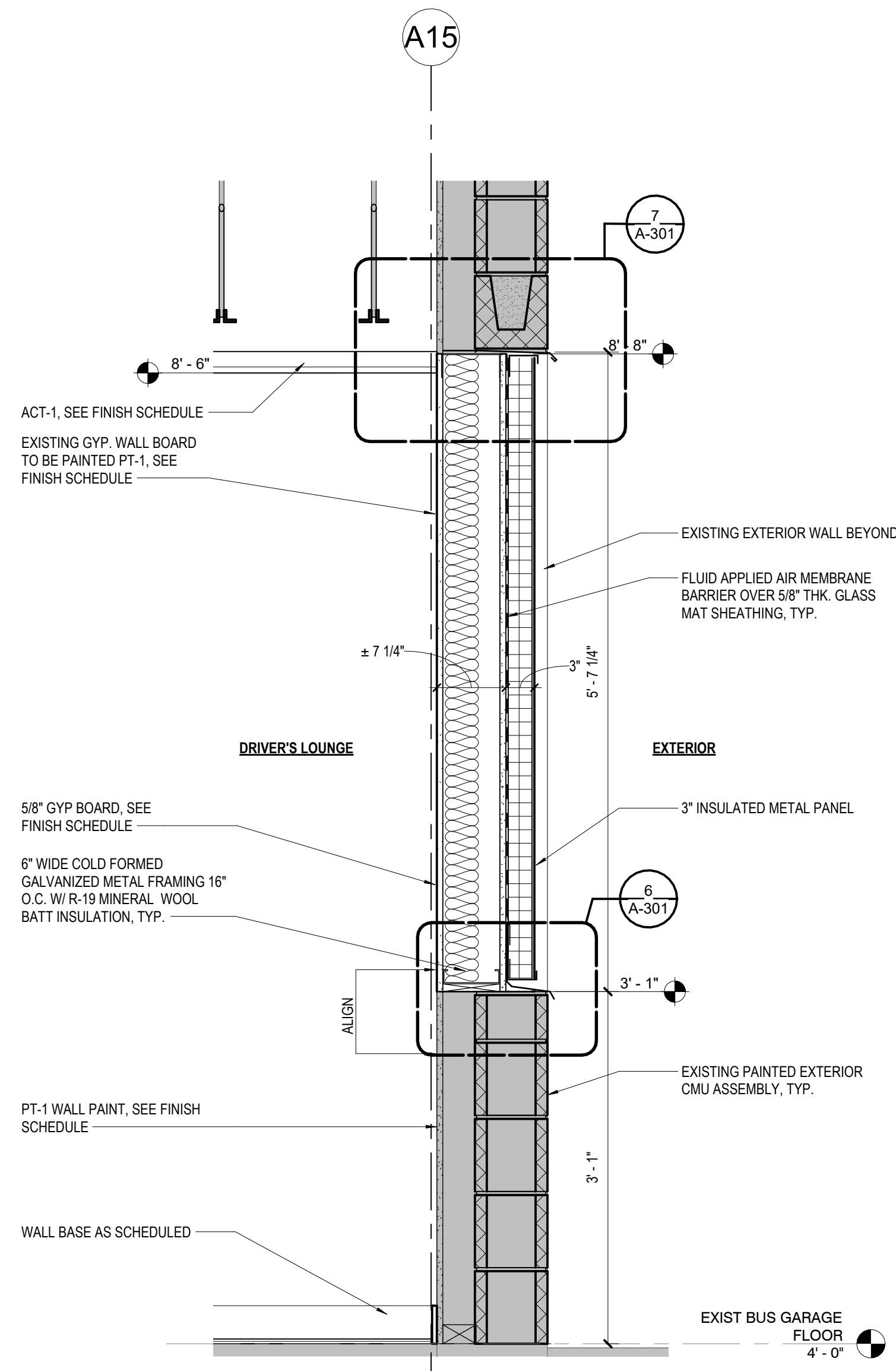
5 WASH BAY PARTITION HEAD DETAIL
3" = 1'-0"



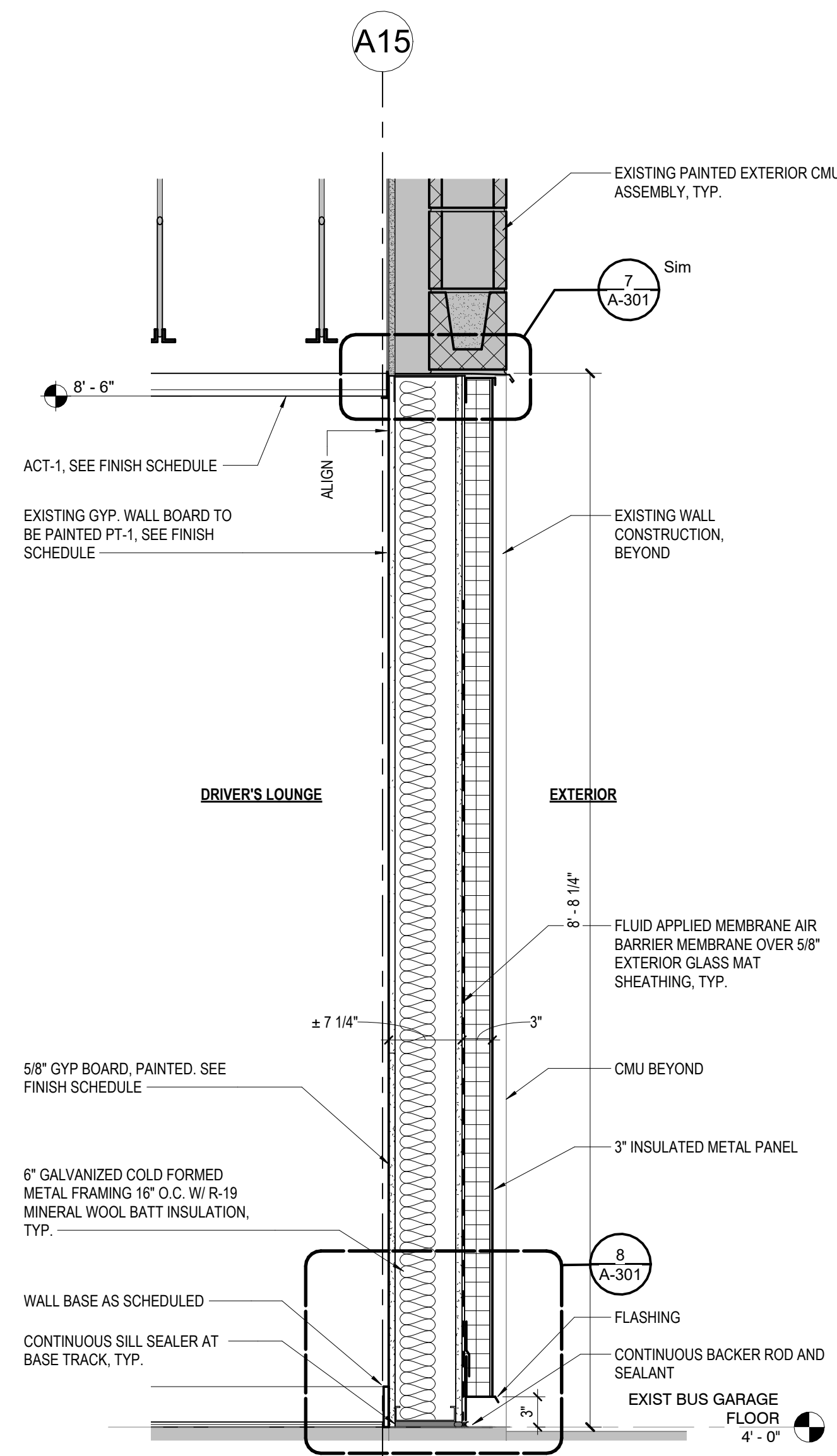
4 WASH BAY PARTITION SILL DETAIL
3" = 1'-0"



3 WALL SECTION AT NEW WASH BAY WALL
1" = 1'-0"

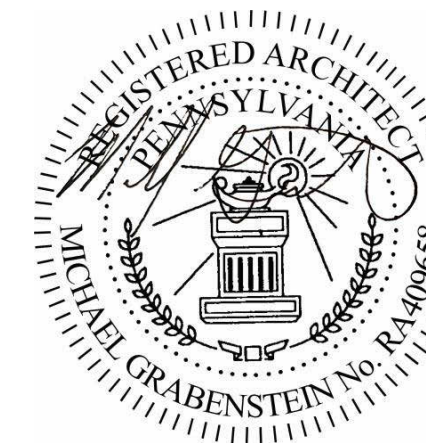


2 WALL SECTION - INFILL AT WINDOW
1" = 1'-0"



1 WALL SECTION - INFILL @ DOOR
1" = 1'-0"

SEAL:



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LANCASTER PA 17601

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PROJECT NO:	22-03808-004	
DATE:	07/23/2026	
SCALE:	As indicated	
DESIGNED BY:	Designer	
DRAWN BY:	Author	
CHECKED BY:	Checker	

DRAWING TITLE:
WALL SECTIONS

SHEET NUMBER:

A-301

Andresk Doss/22-03808-004- SCTA Reading Driver Lounge and Chassis Wash/22-03808-004- SCTA Reading Arch_R24.rvt
7/23/2026 6:10:44 PM

F

E

D

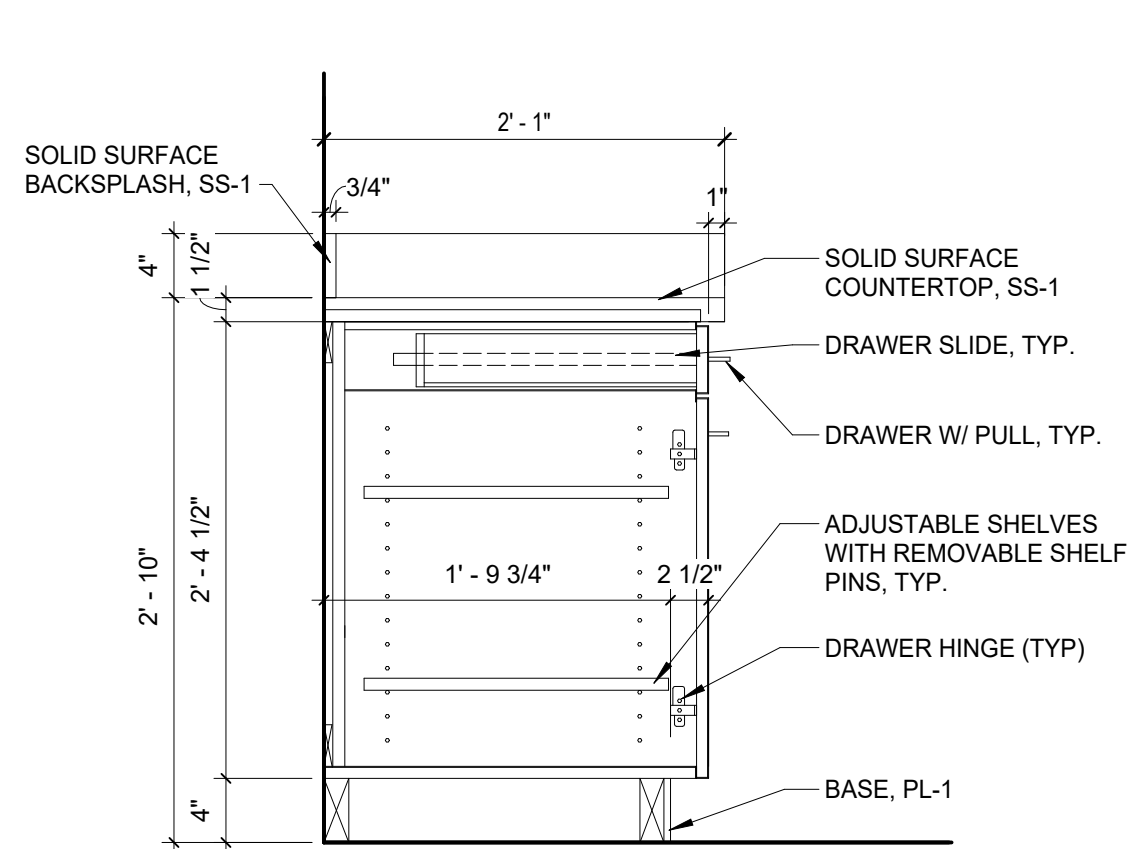
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B

A

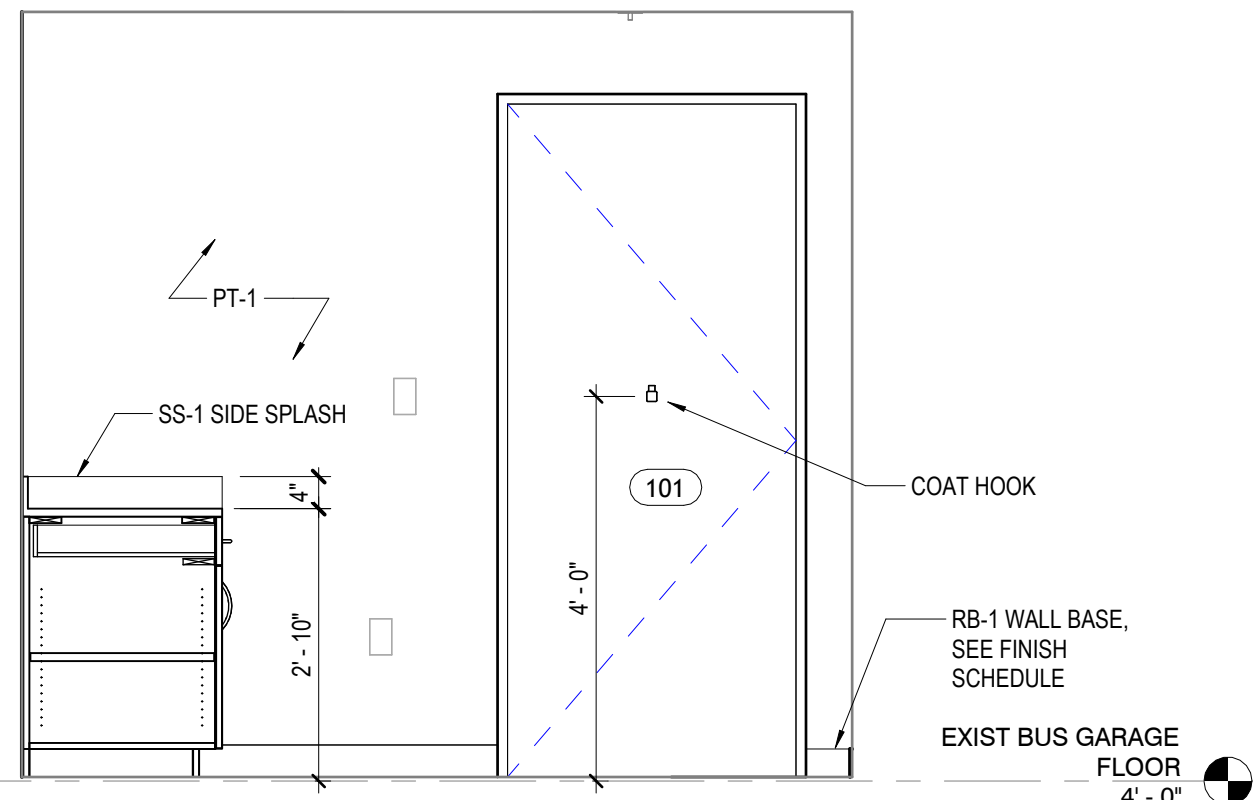
BREAKROOM ELEVATION - 2

1/2" = 1'-0"



BASE CABINET DETAIL

1" = 1'-0"

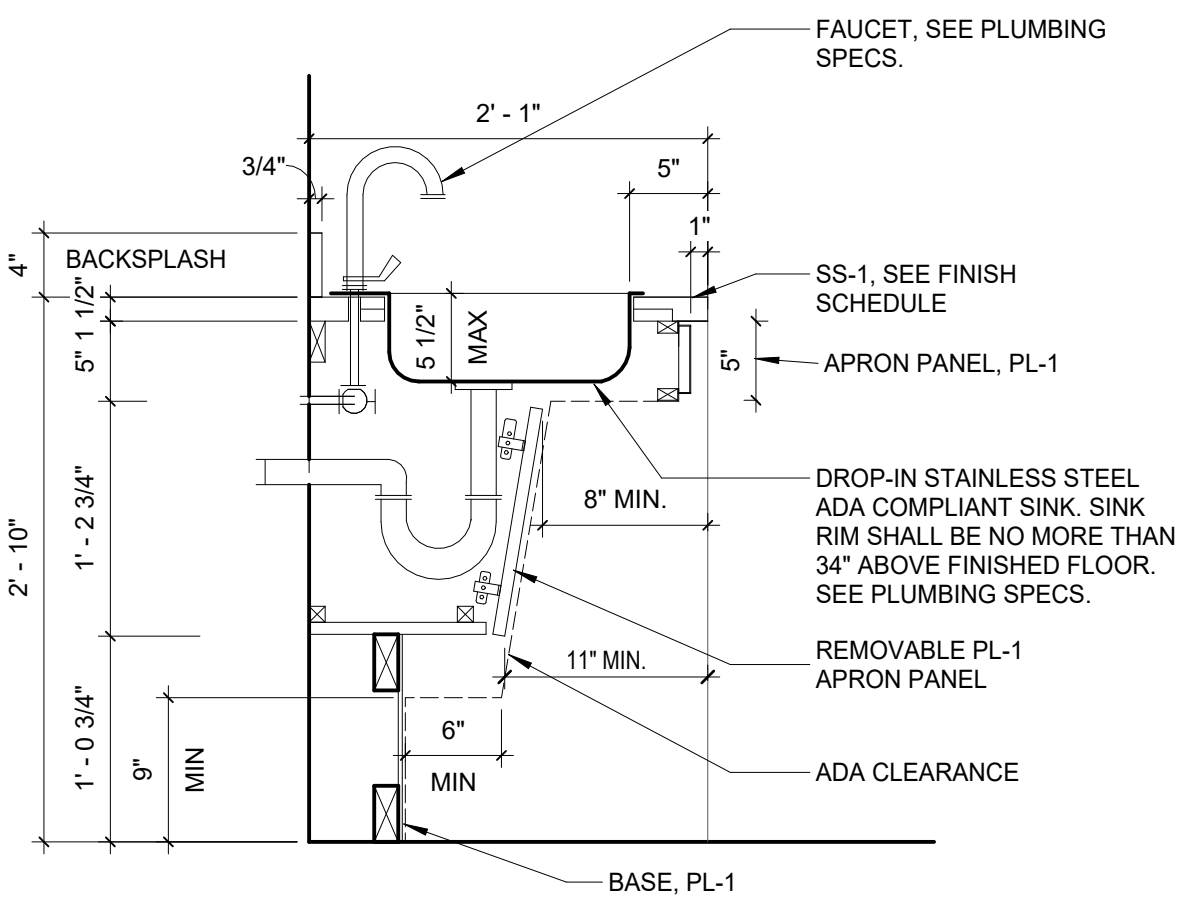


LACTATION ELEVATION - 2

1/2" = 1'-0"

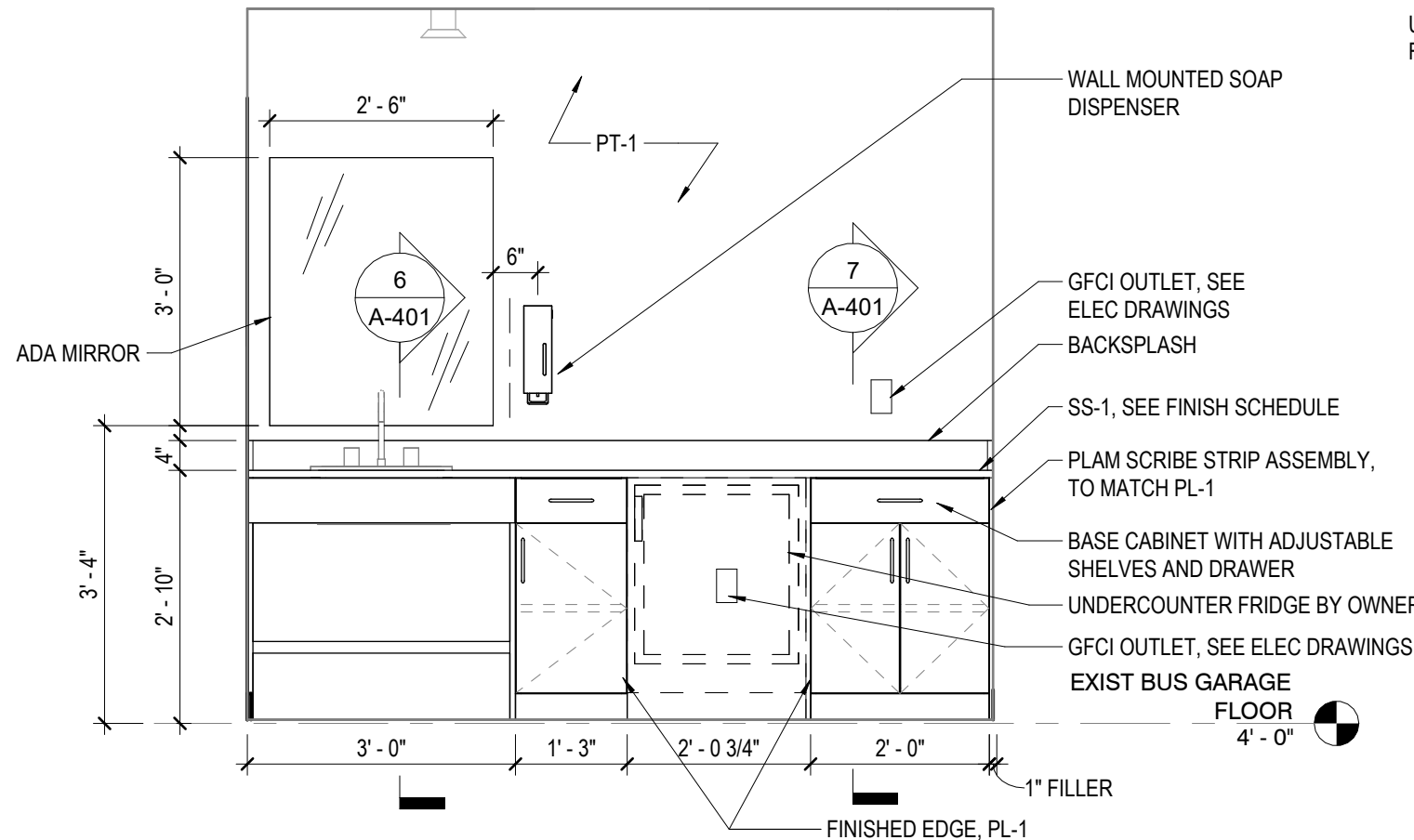
ADA SINK SECTION

1" = 1'-0"



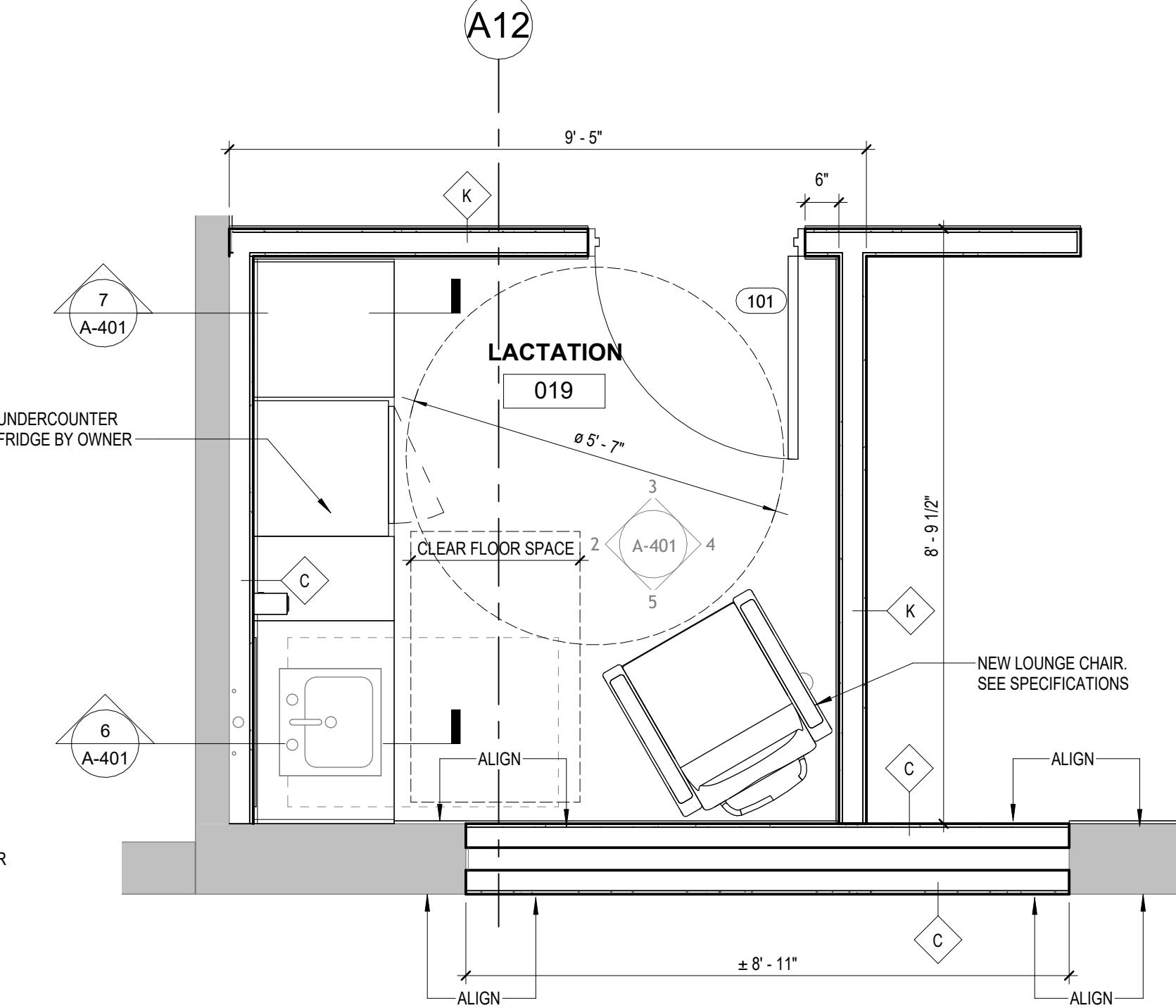
LACTATION ELEVATION - 1

1/2" = 1'-0"



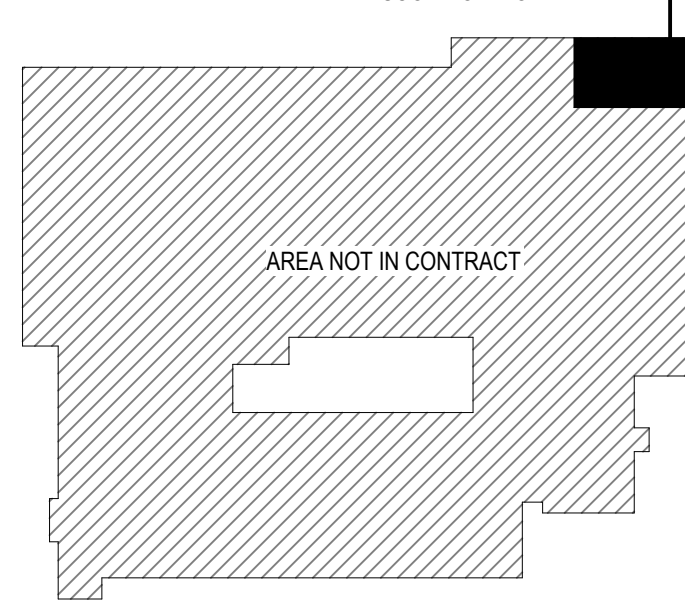
LACTATION ROOM ENLARGED ROOM

1/2" = 1'-0"



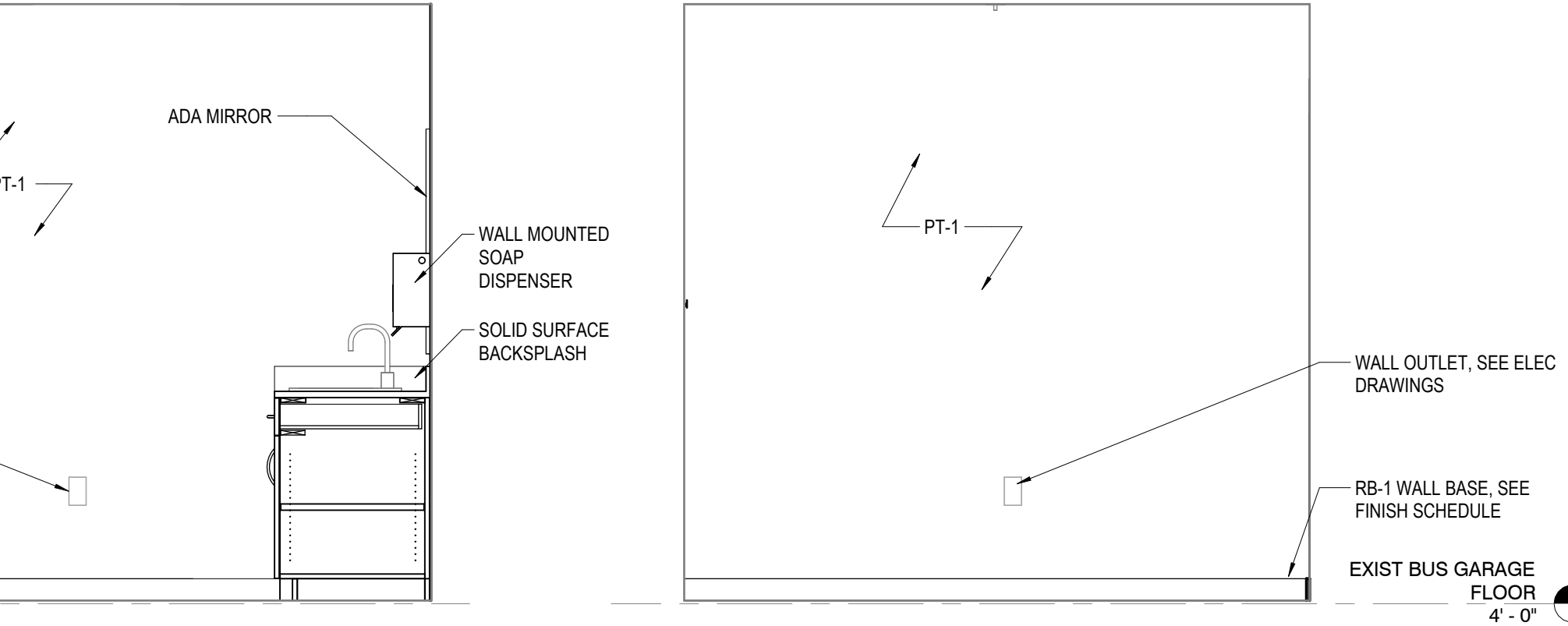
KEYPLAN

NTS



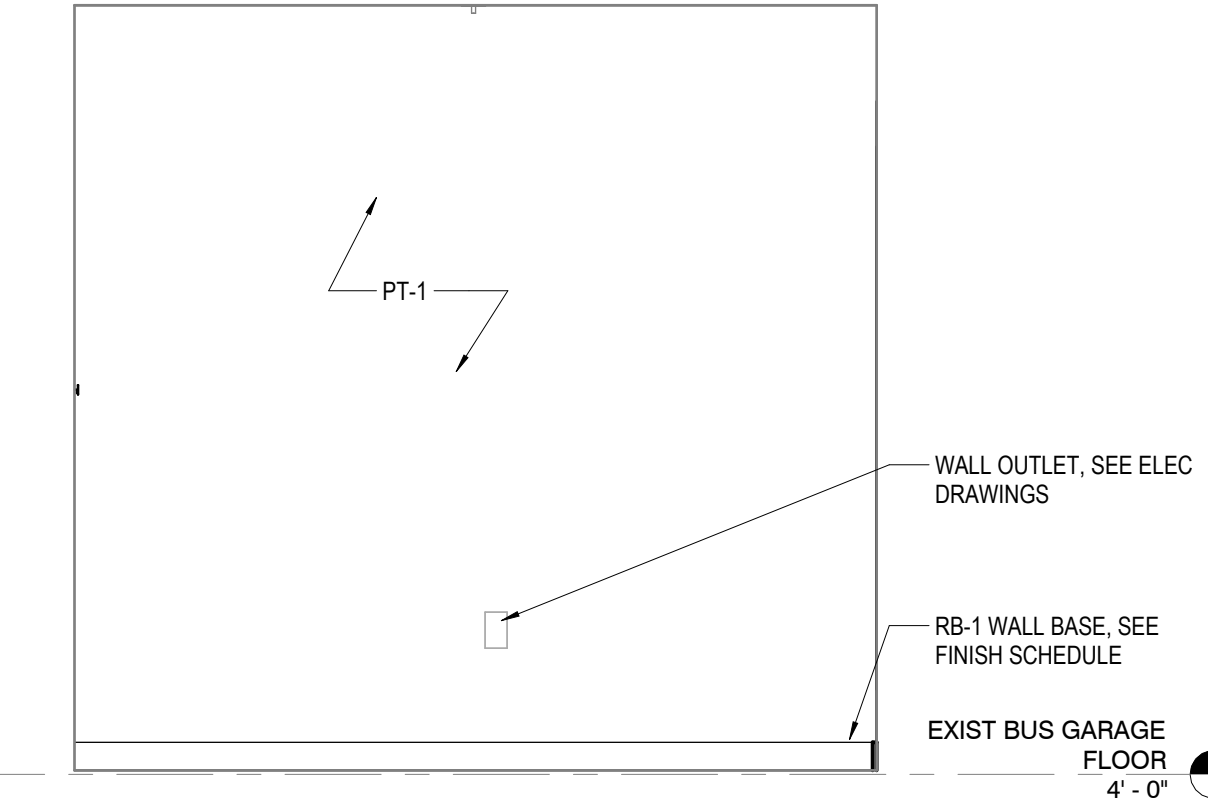
BREAKROOM ELEVATION - 1

1/2" = 1'-0"



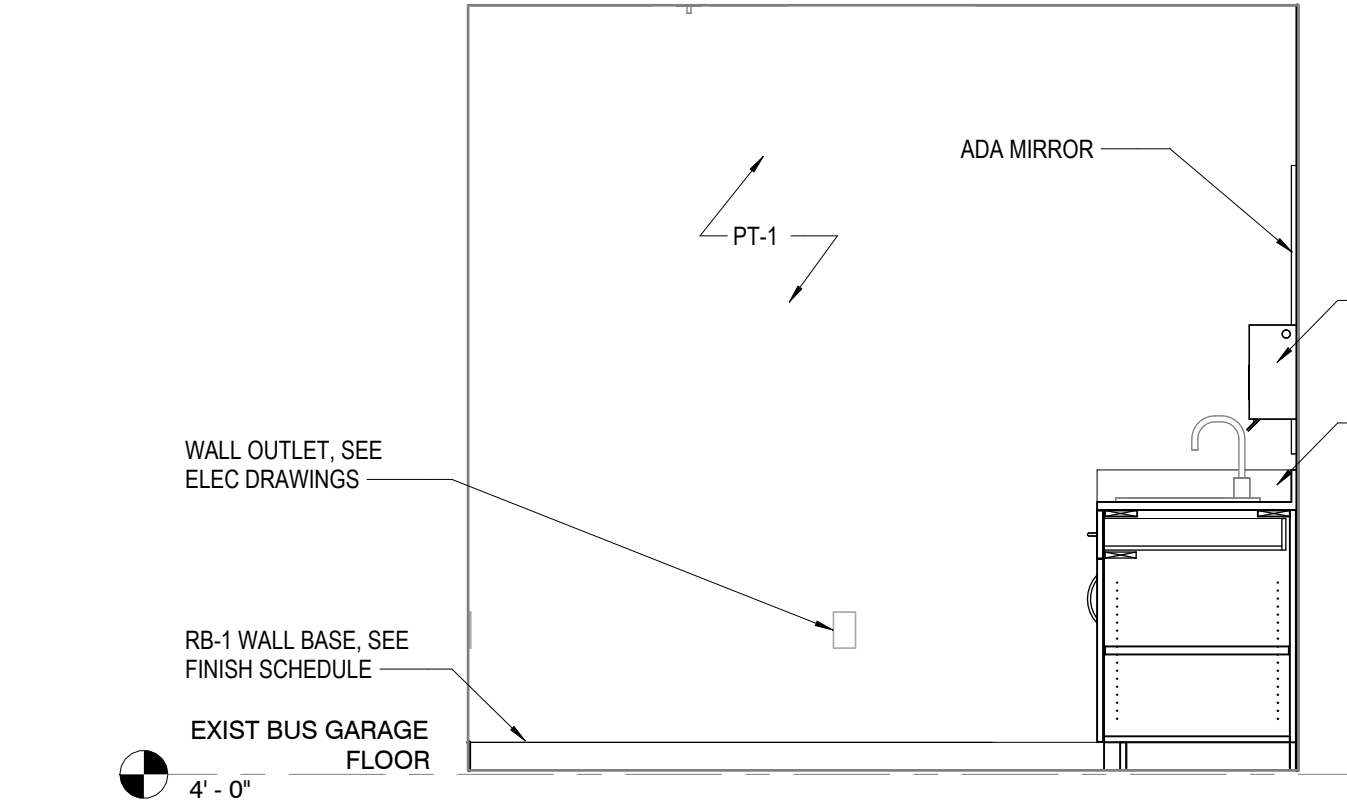
LACTATION ELEVATION - 3

1/2" = 1'-0"



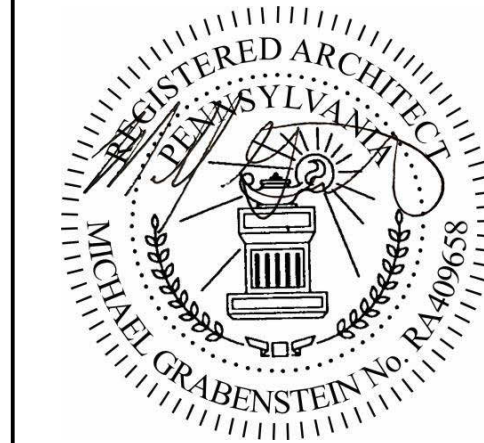
LACTATION ELEVATION - 4

1/2" = 1'-0"



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LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: NM

DRAWN BY: NM

CHECKED BY: MG

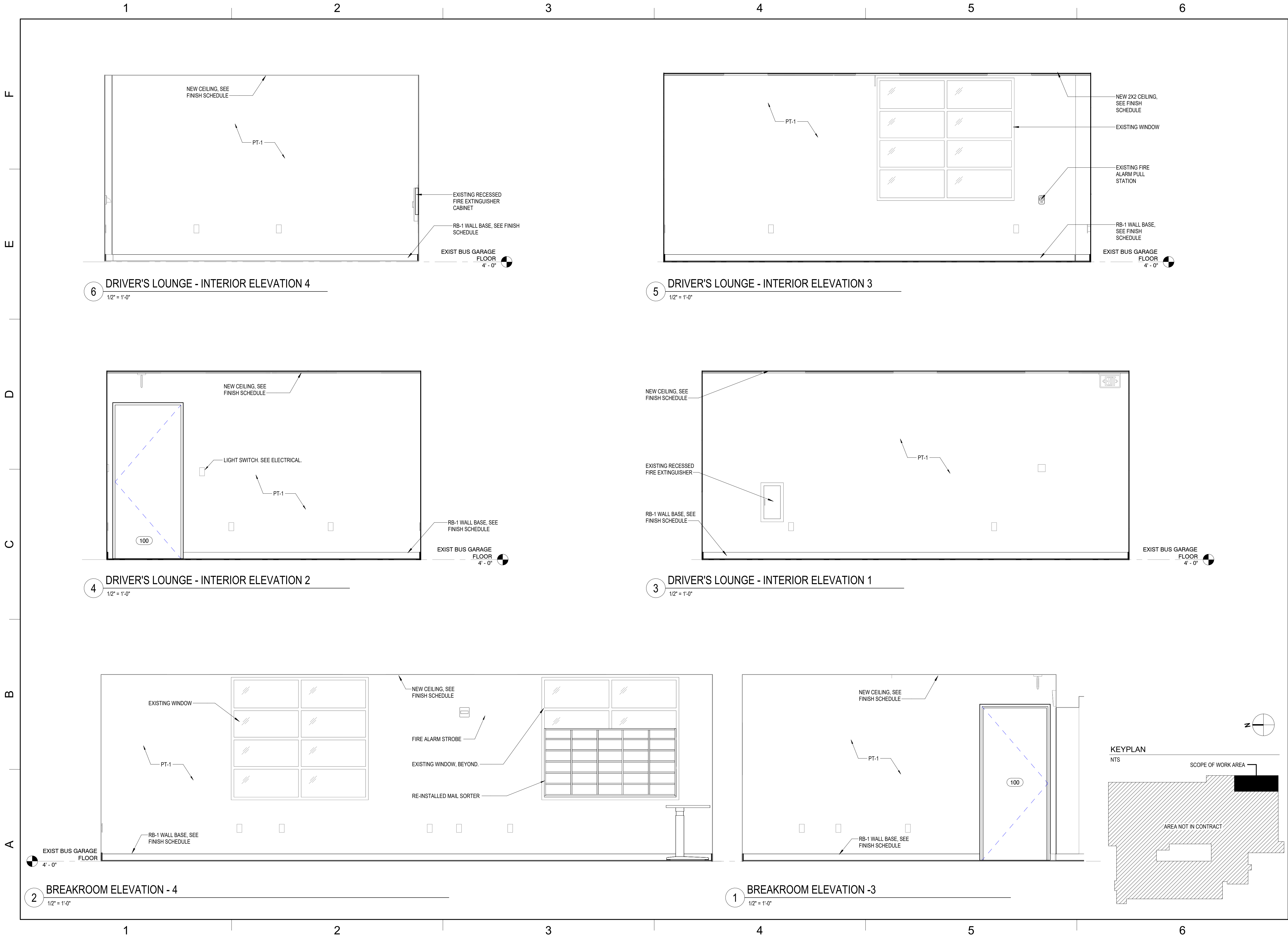
DRAWING TITLE:
**ENLARGED LACTATION
ROOM PLANS AND
DETAILS**

SHEET NUMBER:

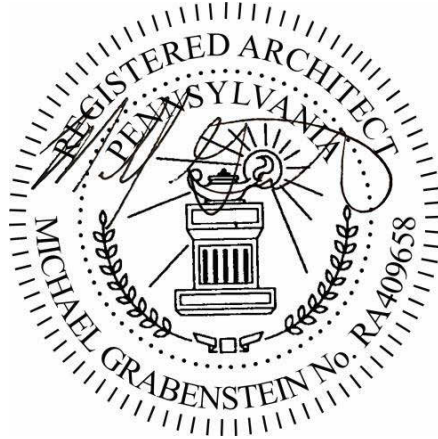
A-401

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LANCASTER PA 17601

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	07/23/2026		

PROJECT NO: 22-03808-004

DATE: 07/23/2026

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

DESIGNED BY: Designer

DRAWN BY: Author

CHECKED BY: Checker

DRAWING TITLE:
**DRIVER'S LOUNGE
INTERIOR ELEVATIONS**

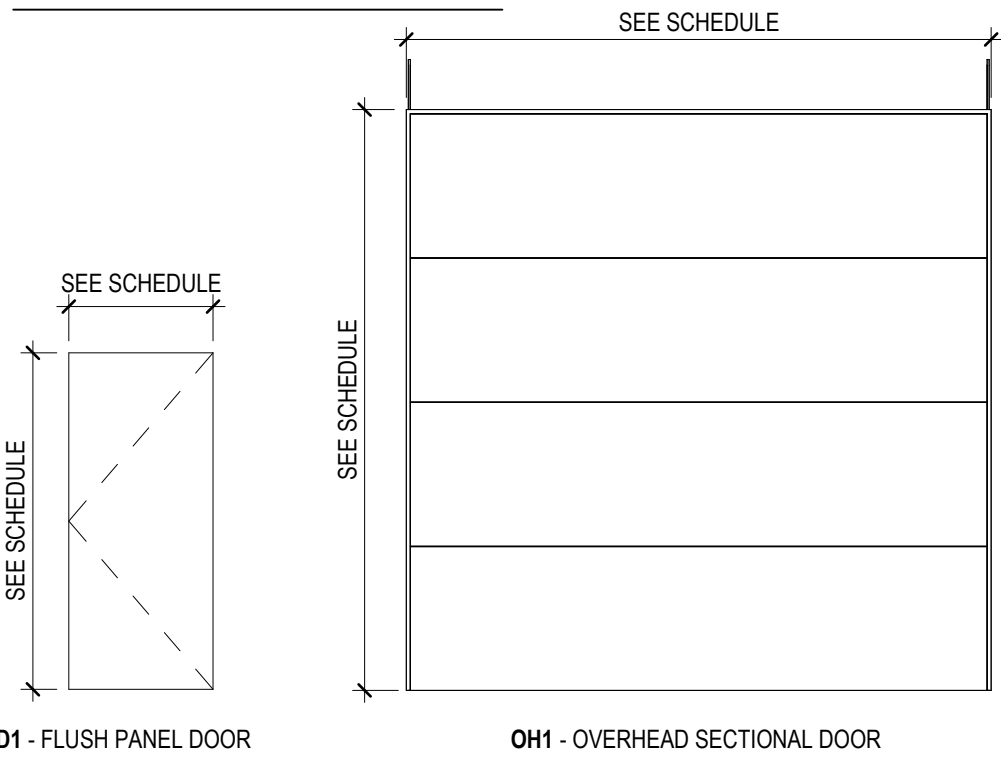
SHEET NUMBER:

A-402

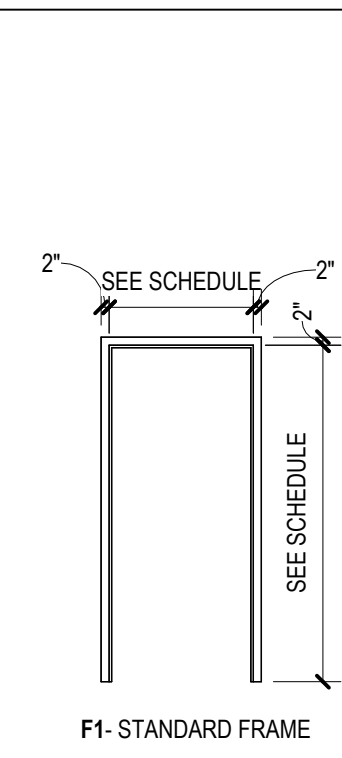
Autodesk Docs: P22-03808-004- SCTA Reading Driver Lounge and Chassis Wash P22-03808-004- SCTA Reading Arch_P24.rvt
7/23/2026 6:03:54 PM

DOOR SCHEDULE												
DOOR							DETAIL					
DOOR NO.	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	FINISH	HEAD	JAMB	SILL	FIRE RATING	FRAME TYPE	HARDWARE
100	3'-0"	7'-0"	1 3/4"	SCWD	D1	TWS-1	H1	J1	S1	--	F1	HM
101	3'-0"	7'-0"	1 3/4"	SCWD	D1	TWS-1	H1	J1	S1	--	F1	HM
190.1	12'-0"	12'-0"	1 1/2"	OH-1	-	EXIST.	EXIST.	EXIST.	EXIST.	--	--	2
190.2	3'-0"	8'-0"	1 3/4"	FGD	D1	PT-2	H2	J2	S2	--	F1	GALVANIZED

DOOR TYPES

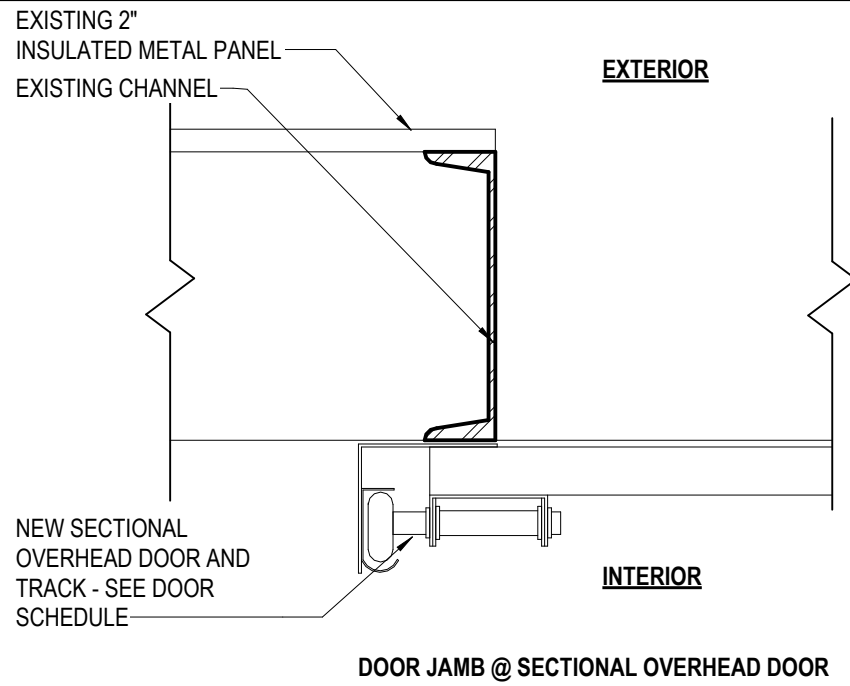


FRAME TYPE



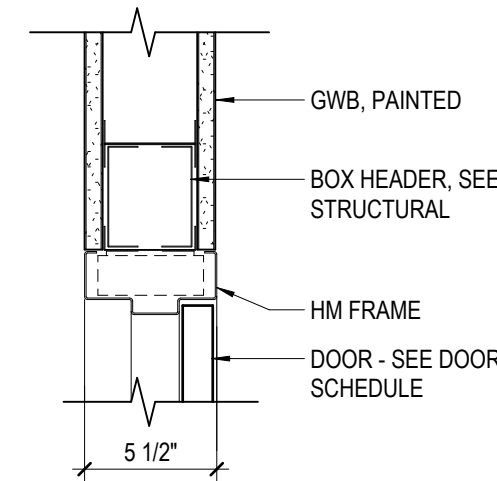
GENERAL DOOR NOTES

- GC TO VERIFY EXISTING OPENING DIMENSIONS PRIOR TO ORDERING DOOR.
- ALL EXTERIOR DOORS SHALL BE INSULATED.
- REFER TO SPECIFICATIONS FOR ALL HARDWARE SETS.
- ALL DOOR FRAMES TO BE PAINTED, PT-2. REFER TO FINISH SCHEDULE FOR COLOR SELECTION.

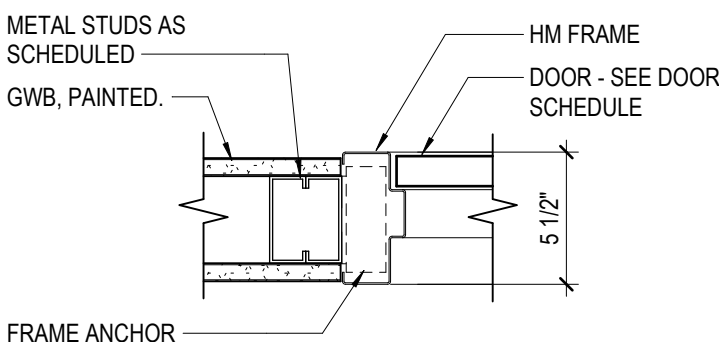


OVERHEAD DOOR SECTIONAL DOOR JAMB DETAIL

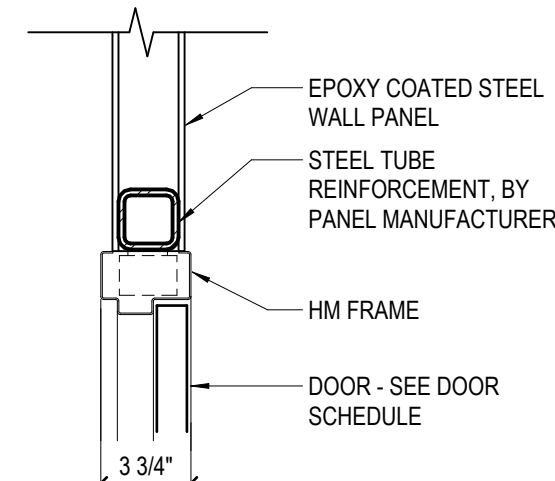
1 1/2" = 1'-0"



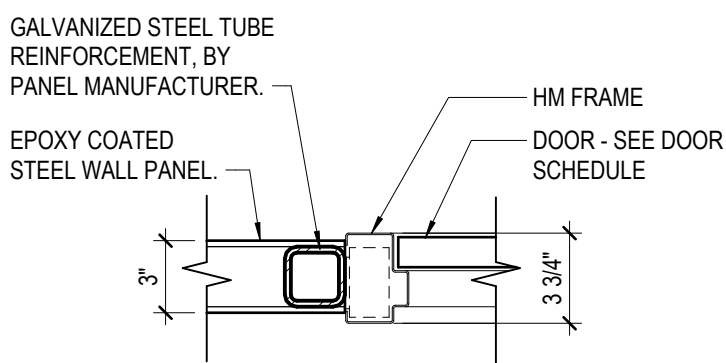
H-1



J-1



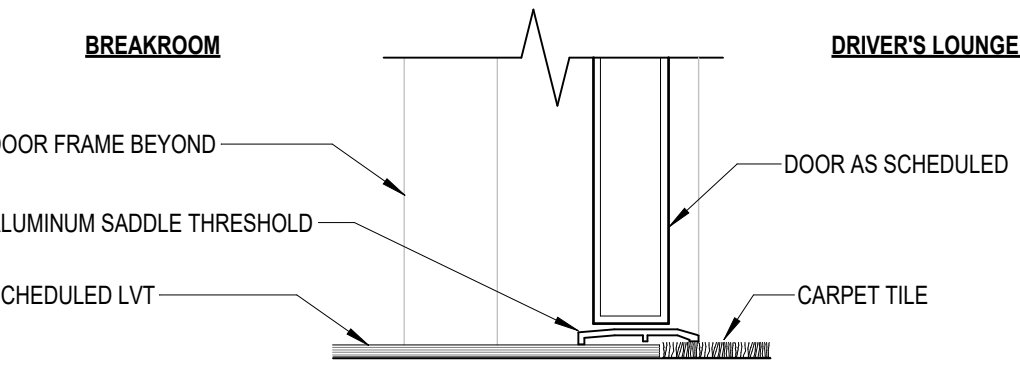
H-2



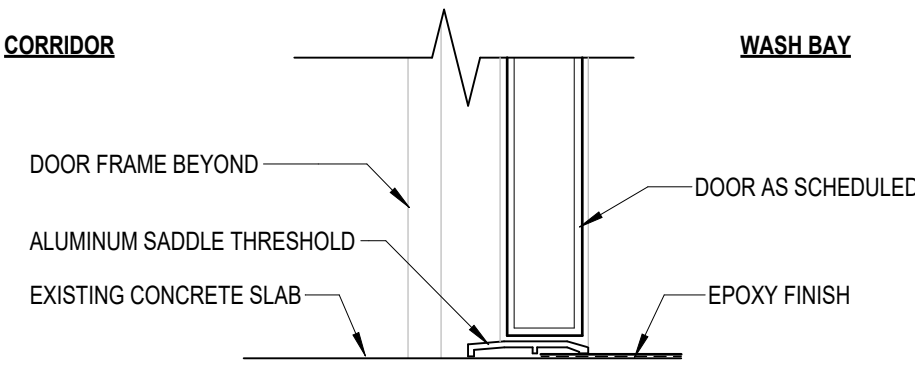
J-2

HOLLOW METAL HEAD AND JAMB DETAIL

1 1/2" = 1'-0"



S-1



S-2

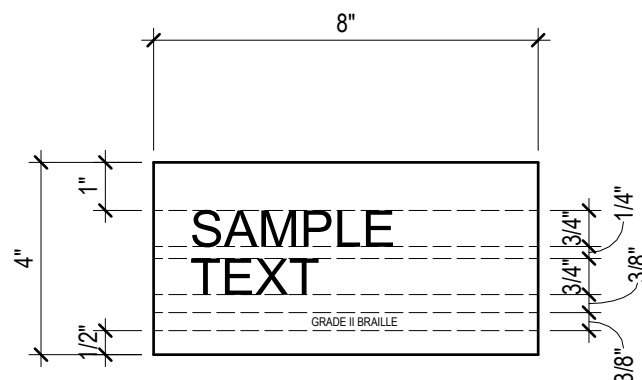
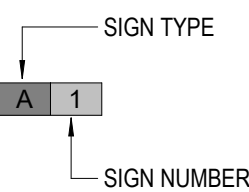
SILL DETAIL AT HOLLOW METAL DOOR

3" = 1'-0"

SIGNAGE SCHEDULE				
SIGN NUMBER	SIGN TYPE	SIGN MESSAGING	DETAIL	COMMENTS
1	A	LACTATION	4/ A-601	
2	A	DRIVER'S LOUNGE	4/ A-601	
3	A	BREAKROOM	4/ A-601	
4	A	WASH BAY		

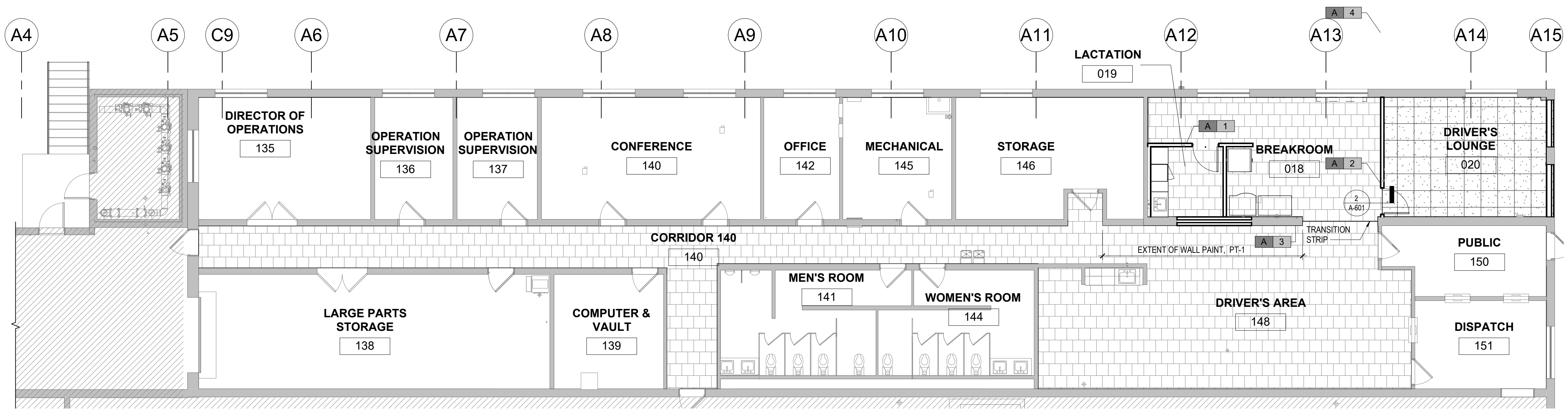
SIGNAGE NOTES

- ALL INTERIOR ROOM SIGNAGE TO BE WALL MOUNTED AT 48" A.F.F. TO BRAILLE.
- ALL INTERIOR SIGNAGE TO BE TACTILE AND INCLUDE GRADE II BRAILLE.
- G.C. TO CONFIRM ALL SIGNAGE MESSAGING WITH OWNER, PRIOR TO ORDERING ANY SIGNAGE.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COMPLY WITH ADA AND ANSI A117.1 REQUIREMENTS FOR SIGN TEXT, SPACING, AND LAYOUT.



ROOM IDENTIFICATION SIGNAGE - TYPE A

3" = 1'-0"



FLOOR FINISH PLAN - BREAKROOM

1/8" = 1'-0"

FINISH SCHEDULE						
ROOM		FLOOR		CEILING	CASEWORK	
NO.	NAME	FINISH	BASE	WALL	FINISH	TOP
018	BREAKROOM	LVT-1	RB-1	PT-1	ACT-1	--
019	LACTATION	LVT-1	RB-1	PT-1	ACT-1	SS-1
020	DRIVER'S LOUNGE	CPT-1	RB-1	PT-1	ACT-1	PL-1
021	WASH BAY	EP-1	EP-1	HPC-1	ACT-1	PL-1
148	DRIVER'S AREA	LVT-1	RB-1	PT-1	ACT-1	--

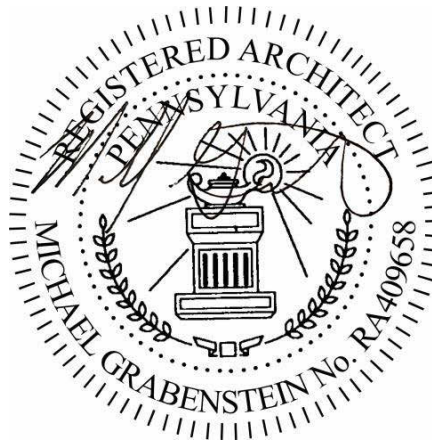
MATERIAL LEGEND

ACT-1	ACOUSTIC CEILING TILE 24"x24"
RB-1	RESILIENT BASE - 4"
CPT-1	CARPET TILE
CONC	SEALED CONCRETE
LVT-1	LUXURY VINYL TILE 18" x 18"
PT-1	PAINT
PT-2	PAINT, DOOR FRAMES
SS-1	SOLID SURFACE
PL-1	PLASTIC LAMINATE
VCT	EXISTING VINYL COMPOSITE TILE
EP-1	EPOXY
HPC-1	HIGH PERFORMANCE COATING
TWS-1	TRANSPARENT WOOD SEALER (AT WOOD DOORS ONLY)



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45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION
MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: Designer

DRAWN BY: Author

CHECKED BY: Checker

DRAWING TITLE:

**DOOR SCHEDULES,
DOOR FRAME & TYPES**

SHEET NUMBER:

A-601

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	HUMIDISTAT		FLANGED PIPE CONNECTION
	THERMOSTAT OR TEMPERATURE SENSOR		FLEXIBLE CONNECTION (PIPING)
	BRANCH TAKE OFF		EXPANSION JOINT
	PIPE DROP TEE		FLOW DIRECTION ARROW
	PIPE RISE TEE		VALVE IN VERTICAL PIPE
	AUTOMATIC CONTROL VALVE (2 WAY)		PRESSURE RELIEF VALVE (NUMERALS INDICATE SETTING)
	AUTOMATIC CONTROL VALVE (3 WAY)		WATER HAMMER ARRESTER
	SHUT-OFF VALVE		UNDERCUT DOOR
	GLOBE VALVE		AIR FLOW
	UNION		DOOR LOUVER
	STRAINER W/BLOWDOWN VALVE		AUTOMATIC AIR VENT
	PIPE GUIDE		MANUAL AIR VENT
	PIPE ANCHORS		PRESSURE GAUGE w/GAUGE COCK
	SOLENOID VALVE		THERMOMETER
	PRESSURE REDUCING VALVE		DUCT (FIRST FIGURE SIDE SHOWN)
	ECCENTRIC REDUCER		DROP IN DIRECTION OF ARROW
	CONCENTRIC REDUCER		RISE IN DIRECTION OF ARROW
	PRESSURE RELIEF VALVE		SMOKE DETECTOR
	BALANCING VALVE (W/MEMORY STOP)		AIR MEASURING DEVICE
	BUTTERFLY VALVE		SUPPLY AIR DIFFUSER
	HOSE END DRAIN VALVE		RETURN AIR GRILLE
	CHECK VALVE; (ARROW INDICATES DIRECTION OF FLOW)		EXHAUST AIR GRILLE
			FIRE DAMPER
			SMOKE DAMPER
			COMBINATION FIRE/SMOKE DAMPER
			MANUAL VOLUME DAMPER
			SQUARE TO ROUND DUCT TRANSITION
			FLEXIBLE CONNECTION
			DUCTWORK SOUND LINING, 1"THICK
			ACCESS DOOR
			MOTOR OPERATED DAMPER
			DUCT TRANSITION
			RECTANGULAR BRANCH TAKE-OFF
			BELL MOUTH BRANCH TAKE-OFF
			ROUND BRANCH TAKE-OFF
			CIRCULAR AIR DIFFUSER
			CIRCULAR DUCT DROP OFF BOTTOM
			SUPPLY AIR DEVICE WITH 2'x2' LAY-IN PANEL
			RETURN AIR DEVICE WITH 2'x2' LAY-IN PANEL
			FLEX DUCT
			SUPPLY AIR DEVICE WITH PLENUM AND 2'x2' LAY-IN PANEL
			RETURN AIR DEVICE WITH PLENUM AND 2'x2' LAY-IN PANEL
			SUPPLY/OUTSIDE AIR DUCT RISER
			RETURN AIR DUCT RISER
			EXHAUST/RELIEF AIR DUCT RISER
			ELBOW WITH DOUBLE THICKNESS TURNING VANES
			ROUND DUCT RISER
			STATIC PRESSURE SENSOR
			DIAMETER
			POINT OF CONNECTION, NEW TO EXISTING
			POINT OF DISCONNECTION FROM EXISTING
			SYMBOL FOR SPECIFIC NOTE. NOTE APPLIES TO DRAWING ON WHICH IT OCCURS.

DESIGNATIONS

EQUIPMENT DESIGNATIONS	
	AIR COOLED CONDENSER
	AIR HANDLING UNIT
	DEDICATED OUTDOOR AIR SYSTEM
	DUCTLESS SPLIT CONDENSER
	DUCTLESS SPLIT EVAPORATOR
	EXHAUST FAN
	FAN COIL UNIT
	MAKE-UP AIR UNIT
	ROOFTOP AIR HANDLING UNIT
	HYDRONIC UNIT HEATER
	SECTION REFERENCE: (SEE DATA BELOW FOR DETAILS)
	DETAIL = LETTER / SECTION = NUMBER DRAWING TITLE SCALE
	SHEET NUMBER FROM WHICH THE PARTIAL, SECTION, ELEVATION, OR DETAIL IS DRAWN
	PLAN NORTH
	NORTH ARROW
	ZONE TEMPERATURE SENSOR
	ZONE HUMIDITY SENSOR
	OUTDOOR AIR DAMPER
	MIXED AIR TEMPERATURE
	FILTER DIFFERENTIAL PRESSURE SENSOR
	HEATING COIL VALVE POSITION
	COOLING COIL VALVE POSITION
	FREEZE STAT TEMPERATURE
	SUPPLY FAN START/STOP
	SUPPLY AIR TEMPERATURE
	EXHAUST FAN START/STOP
	EXHAUST FAN VARIABLE FREQUENCY DRIVE
	RETURN AIR DAMPER
	HAND SWITCH
	COMBUSTION AIR DAMPER
	HEATING WATER SUPPLY TEMPERATURE
	HEATING WATER RETURN TEMPERATURE
	CHILLED WATER SUPPLY TEMPERATURE
	CHILLED WATER RETURN TEMPERATURE
	PUMP " " START/STOP
	RECIRCULATION PUMP " " START/STOP
	BOILER " " START/STOP
	BOILER " " LEAVING WATER TEMPERATURE
	BOILER " " ENTERING WATER TEMPERATURE
	SMOKE DETECTOR
	TIMER SWITCH

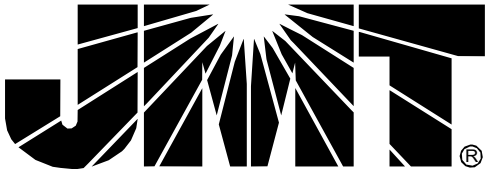
NECK SIZE: 12"x12" D XXX CFM
AIR DEVICE DESIG. (D/R/G)
AIR FLOW (TO BE BALANCED)

ABBREVIATIONS

ABV	ABOVE	LDB	LEAVING DRY BULB
ACV	AUTOMATIC CONTROL VALVE	LF	LINEAR FEET
AD	ACCESS DOOR	LRA	LOCKED ROTOR AMPERES
AFF	ABOVE FINISHED FLOOR	LSL	LINEAR SLOT DIFFUSER
AHJ	AUTHORITY HAVING JURISDICTION	LWB	LEAVING WET BULB
ALUM	ALUMINUM	LWT	LEAVING WATER TEMPERATURE
AMD	AIR MONITORING DEVICE	MA	MIXED AIR
APD	AIR PRESSURE DROP	MAV	MAXIMUM AIR VELOCITY
APPROX	APPROXIMATELY	MAX	MAXIMUM
AT	AUTOMATIC TRANSMISSION FLUID	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
ATC	AUTOMATIC TEMPERATURE CONTROL	MCA	MECHANICAL
ATTEN	ATTENUATOR	MCD	MINIMUM CIRCUT AMAPCITY
AWT	AVERAGE WATER TEMPERATURE	MECH	MOTORIZED FIRE DAMPER
BDD	BACKDRAFT DAMPER	MFR	MANUFACTURER
BHP	BRAKE HORSEPOWER	MIN	MINIMUM
BLDG	BUILDING	MOD	MOTOR OPERATED DAMPER
BLW	BELOW	MTD	MOUNTED
BP	BYPASS	MVD	MANUAL VOLUME DAMPER
BTM	BOTTOM	NC	NOISE CRITERIA OR NORMALLY CLOSED
BTUHR	BRITISH THERMAL UNITS PER HOUR	NIC	NOT IN CONTRACT
BV	BALANCING VALVE	NO	NORMALLY OPEN OR NUMBER
C	COMMON	No	NUMBER
CA	COMPRESSED AIR	NOM	NOMINAL
CC	COOLING COIL	NTS	NOT TO SCALE
CCP	COOLING COIL PUMP	OA	OUTDOOR AIR
CFM	CUBIC FEET PER MINUTE	OAI	OUTDOOR AIR INTAKE
CLG	CEILING	OAT	OUTDOOR AIR TEMPERATURE
CO	CLEANOUT	OC	ON CENTER
CONC	CONCRETE	OED	OPEN END DUCT WITH 1/2" FRAMED WIRE MESH SCREEN
CONN	CONNECT, CONNECTION	OS&Y	OUTSIDE STEM & YOKE VALVE
CONTN	CONTINUATION		
CUH	CABINET UNIT HEATER		
°C	DEGREES CELSIUS		
D	SUPPLY AIR DIFFUSER OR DEEP, DEPTH	%	PERCENT
DAM	DUCT AIR MONITOR	PH	PHASE
DB	DECIBEL OR DRY BULB	PR	PRESSURE RELIEF
DDC	DIRECT DIGITAL CONTROL	PRESS, P	PRESSURE
DESG	DESIGNATION	PRG	PRESSURE RELIEF GRILLE
DHC	DUCT HEATING COIL	PRV	PRESSURE REDUCING VALVE
DIA, ø	DIAMETER	PS	PRESSURE SENSOR
DIFF	DIFFERENTIAL	PSI	POUNDS PER SQUARE INCH POUNDS
DL	DOOR LOUVER	PSIG	PER SQUARE INCH GAUGE
DN	DOWN	R	RETURN/EXHAUST/SUPPLY AIR REGISTER
DPR	DAMPER	RA	RETURN AIR
DPS	DIFFERENTIAL PRESSURE SENSOR	RDR	ROOF DRAIN
DWG	DRAWING	REQD	REQUIRED
DWH	DOMESTIC WATER HEATER	RF	RETURN FAN
EA	EXHAUST AIR	RH	RELATIVE HUMIDITY
EAT	ENTERING AIR TEMPERATURE	RL	REFRIGERANT LIQUID
EDB	ENTERING DRY BULB	RLA	RUNNING LOAD AMPERES
EF	EXHAUST FAN	RM	ROOM
EFF	EFFICIENCY	RPM	REVOLUTIONS PER MINUTE
EJ	EXPANSION JOINT	RS	REFRIGERANT SUCTION
ELEC	ELECTRIC	RV	RELIEF VENT
ELEV	ELEVATION OR ELEVATOR	RX	REMOVE EXISTING
ESP	EXTERNAL STATIC PRESSURE	S/M	SHEET METAL
EUH	ELECTRIC UNIT HEATER	S/S	STAINLESS STEEL
EWB	ENTERING WET BULB	SA	SUPPLY AIR
EWT	ENTERING WATER TEMPERATURE	SAT	SATURATED
EX	EXISTING	SD	SMOKE DAMPER
EXH	EXHAUST	SENS	SENSIBLE
EXP	EXPANSION	SEP	SEPARATOR
F&T	FLOAT & THERMOSTATIC	SF	SUPPLY FAN OR SQUARE FEET
FC	FLEXIBLE CONNECTION	SP	STATIC PRESSURE
FCU	FAN COIL UNIT	SPD	STATIC PRESSURE DROP
FD	FIRE DAMPER OR FOUNDATION DRAINAGE	SPEC	SPECIFICATION
FDR	FLOOR DRAIN	SQ	SQUARE
FL	FLOOR	SQ FT	DROP SQUARE FOOT
FLA	FULL LOAD AMPERES	STL	START/STOP
FLT	FILTER		STEEL
FOB	FLAT ON BOTTOM	T	TEMPERATURE DROP
FOT	FLAT ON TOP	TDR	TRENCH DRAIN
FPM	FEET PER MINUTE	TEMP, T	TEMPERATURE
FPS	FEET PER SECOND	TG	TRANSFER GRILLE
FT HD	FEET OF HEAD	TS	TAMPER SWITCH
FT, '	FOOT, FEET OR FLASH TANK	TSP	TOTAL STATIC PRESSURE
FZ	FREEZE STAT	TYP	TYPICAL
G	NATURAL GAS PIPE OR GRILLE	UH	UNIT HEATER
GAL	GALLON, GALLONS	V	VOLTS, SANITARY VENT PIPE, VACUUM PIPE
GALV	GALVANIZED	VD	VOLUME DAMPER
GEN	GENERATOR	VEL	VELOCITY
H	HIGH, HEIGHT	VENT	VENTILATION
H2O	WATER	VF	VENTILATION FAN
HED	HOSE END DRAIN VALVE	VFD	VARIABLE FREQUENCY DRIVE
HP	HORSEPOWER	VIB	VIBRATION
HX	HEAT EXCHANGER		
HZ	HERTZ		
IGV	INLET GUIDE VANE	W	WIDTH, WATTS
IN, "	INCH, INCHES	W/	WITH
INV	INVERT	W/O	WITHOUT
ISOL	ISOLATION	WB	WET BULB
ISOL VLV	ISOLATION VALVE	WC	WATER COLUMN
KW	KILOWATTS	ZN	ZONE
L	LONG, LENGTH		
LAT	LEAVING AIR TEMPERATURE		
LBS	POUNDS		
LBSHR	POUNDS PER HOUR		

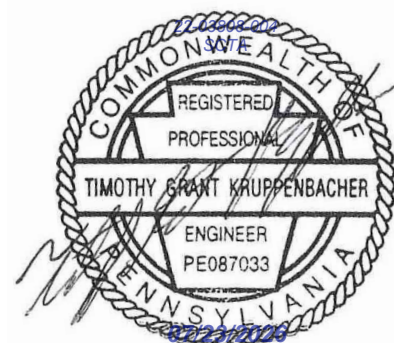
GENERAL NOTES

- WORK SHALL CONFORM TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE LATEST APPLICABLE INTERNATIONAL MECHANICAL AND PLUMBING CODE AND THE NATIONAL ELECTRIC CODE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70, THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE, OSHA AND NATIONAL SAFETY CODE REQUIREMENTS.
- THE SCOPE OF WORK INDICATED IN THESE DOCUMENTS SHALL INCLUDE MECHANICAL AND ELECTRICAL SYSTEMS, FULLY ADJUSTED, TESTED AND READY TO USE. PROVIDE ITEMS NECESSARY TO COMPLETE THE SYSTEMS. EXAMINE WORK INDICATED FOR TRADES IN ORDER TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO BE COMPLETED.
- IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE, TESTED AND READY FOR USE."
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL PROVIDE ITEMS NECESSARY FOR A PROPERLY WORKING SYSTEM IN COMPLIANCE WITH ACCEPTED INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY ITEMS THAT MAY AFFECT THEIR BID. PRIOR TO THE INSTALLATION, FABRICATION, REMOVAL, OR RELOCATION OF ANY WORK, THE CONTRACTORS SHALL REVIEW THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL COORDINATE WORK WITH THE PLANS, EXISTING EQUIPMENT AND SYSTEMS, BUILDING STRUCTURE AND WORK OF OTHER TRADES. WHERE CONFLICTS OCCUR, OR IF CONNECTIONS THERETO CAN NOT BE MADE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO MATERIAL FABRICATION OR INSTALLATION.
- WHERE THE WORK OF VARIOUS TRADES WILL BE INSTALLED IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THERE IS EVIDENCE THAT THE WORK OF ONE TRADE WILL INTERFERE WITH WORK OF ANOTHER, THE CONTRACTOR SHALL WORK OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF THE CONTRACTOR ALLOWS ONE TRADE TO INSTALL HIS WORK BEFORE COORDINATING WITH WORK OF OTHER TRADES THE CONTRACTOR SHALL MAKE NECESSARY CHANGES TO CORRECT THE CONDITIONS IN A MANNER ACCEPTABLE TO THE OWNER AND THE CONTRACTOR SHALL BEAR THE COST OF SUCH CORRECTIONS.
- THE CONTRACTOR SHALL LOCATE EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, DRAIN PANS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
- THE CONTRACTOR SHALL LEAVE THE ENTIRE MECHANICAL SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL, DURING THE ONE YEAR WARRANTY PERIOD, BE RESPONSIBLE FOR PROPER REPAIR AND ADJUSTMENTS OF MECHANICAL SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES ETC. INSTALLED BY HIM, AND DO WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITIES FOR, ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN THEIR WORK.
- WHEREVER PIPES, CONDUITS, OR OTHER ITEMS PASS THROUGH FIRE RATED WALLS AND FLOORS, THE SPACE BETWEEN THE ITEM AND THE MASONRY OR THE SPACE BETWEEN THE ITEM AND THE SLEEVE SHALL BE ADEQUATELY FIRE STOPPED WITH A NON COMBUSTIBLE, NON MELTING MATERIAL IN ACCORDANCE WITH NFPA STANDARDS.
- WALL OPENINGS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH EXISTING.
- FINISHES DAMAGED DURING THE PROJECTS SHALL BE REPAIRED TO MATCH EXISTING



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SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION
MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: 12" = 1'-0"

DESIGNED BY: ELY

DRAWN BY: MMB

CHECKED BY: ICI

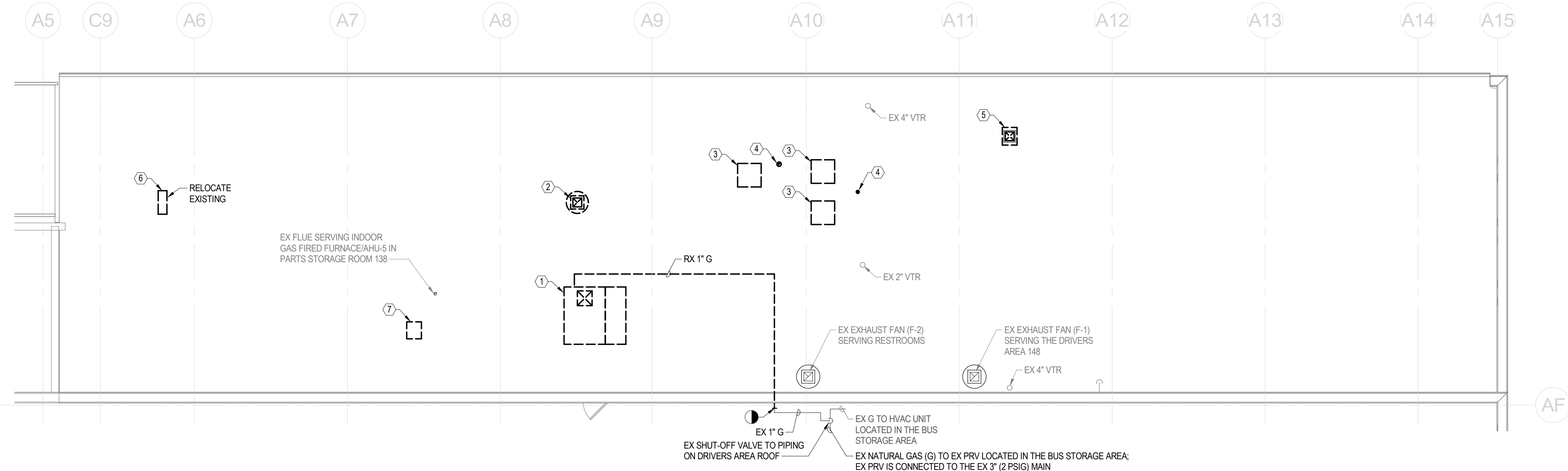
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**MECHANICAL
ABBREVIATIONS,
LEGEND, AND GENERAL
NOTES**

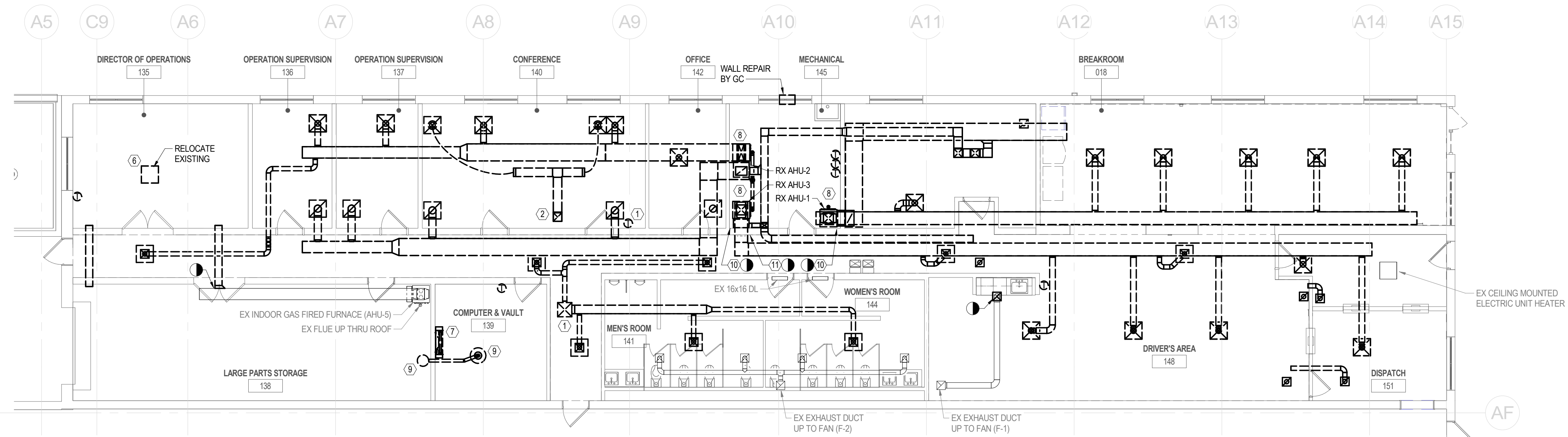
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2 MECHANICAL DEMOLITION - DRIVERS AREA ROOF
SCALE: 1/8" = 1'-0"



1 MECHANICAL DEMOLITION - DRIVERS AREA FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

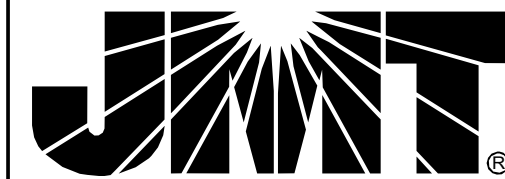
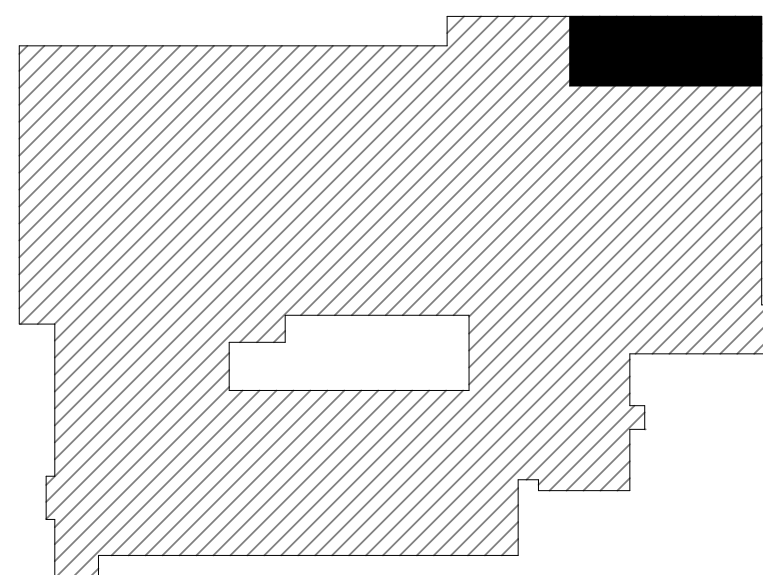
1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY MECHANICAL AND RELATED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED SHALL BE REMOVED AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL REMAIN.
4. COORDINATE REMOVAL OF ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC AND NEW WORK PLANS. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.

SHEET KEYNOTES:

- 1 REMOVE EXISTING RTU AND ALL ASSOCIATED CONTROLS, CURB, DUCTWORK, AND ELECTRICAL.
- 2 REMOVE EXISTING ROOF MOUNTED EXHAUST FAN SERVING CONFERENCE ROOM 104 AND ALL ASSOCIATED CONTROLS, CURB, DUCTWORK, AND ELECTRICAL.
- 3 REMOVE EXISTING ROOF MOUNTED CONDENSING UNIT SERVING INDOOR GAS FIRED FURNACE/AHU 1, 2, & 3 AND ALL ASSOCIATED CONTROLS, ROOF SUPPORTS, REFRIGERANT PIPING, AND ELECTRICAL; COORDINATE ROOF REPAIR WITH DIV 01.
- 4 REMOVE EXISTING EXHAUST FLUE SERVING INDOOR GAS FIRED FURNACE/AHU.
- 5 REMOVE EXISTING ROOF MOUNTED OUTSIDE AIR INTAKE PENTHOUSE AND ASSOCIATED CURB.
- 6 EXISTING ROOF MOUNTED CONDENSING UNIT AND DUCTLESS SPLIT HEAT PUMP IN OFFICE 135 TO BE RELOCATED; REMOVE ALL ASSOCIATED CONTROLS, CURB, R410A REFRIGERANT & PIPING, AND ELECTRICAL; COORDINATE STORAGE LOCATION WITH THE GC; MC SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE EXISTING EQUIPMENT AND ALL ASSOCIATED COMPONENTS; REFER TO NEW WORK DRAWINGS FOR LOCATION TO ROOM 139.
- 7 REMOVE EXISTING ROOF MOUNTED CONDENSING UNIT AND DUCTLESS SPLIT HEAT PUMP IN ROOM 139; REMOVE ALL ASSOCIATED CONTROLS, CURB, R-22 REFRIGERANT & PIPING, AND ELECTRICAL; EXISTING CONDENSATE DRAIN LOCATION TO BE UTILIZED BY RELOCATED SYSTEM; REFER TO NEW WORK DRAWINGS.
- 8 REMOVE EXISTING INDOOR GAS FIRED FURNACE/AHU AND ALL ASSOCIATED CONTROLS, PIPING, FLUE AND DUCTWORK.
- 9 REMOVE EXISTING HUMIDIFIER AND ALL ASSOCIATED CONTROLS, PIPING, DIFFUSER, AND DUCTWORK; CAP WATER LINE AT THE TAP AND PATCH ALL WALL PENETRATIONS ASSOCIATED WITH STORAGE ROOM 138.
- 10 REMOVE EXISTING NATURAL GAS PIPING ABOVE CEILING BACK TO MAIN; CAP AT WALL.
- 11 EXISTING SURFACE MOUNTED GRILLE AND WALL OPENING AT FLOOR TO REMAIN; REFER TO NEW WORK PLANS.

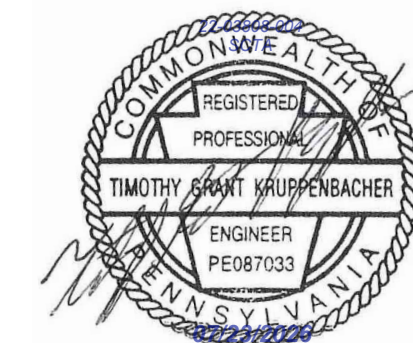
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SCALE: 1/8" = 1'-0"

KEYPLAN



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SEAL:



PROJECT:

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TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

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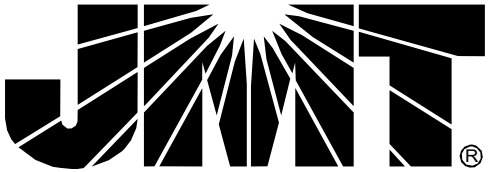
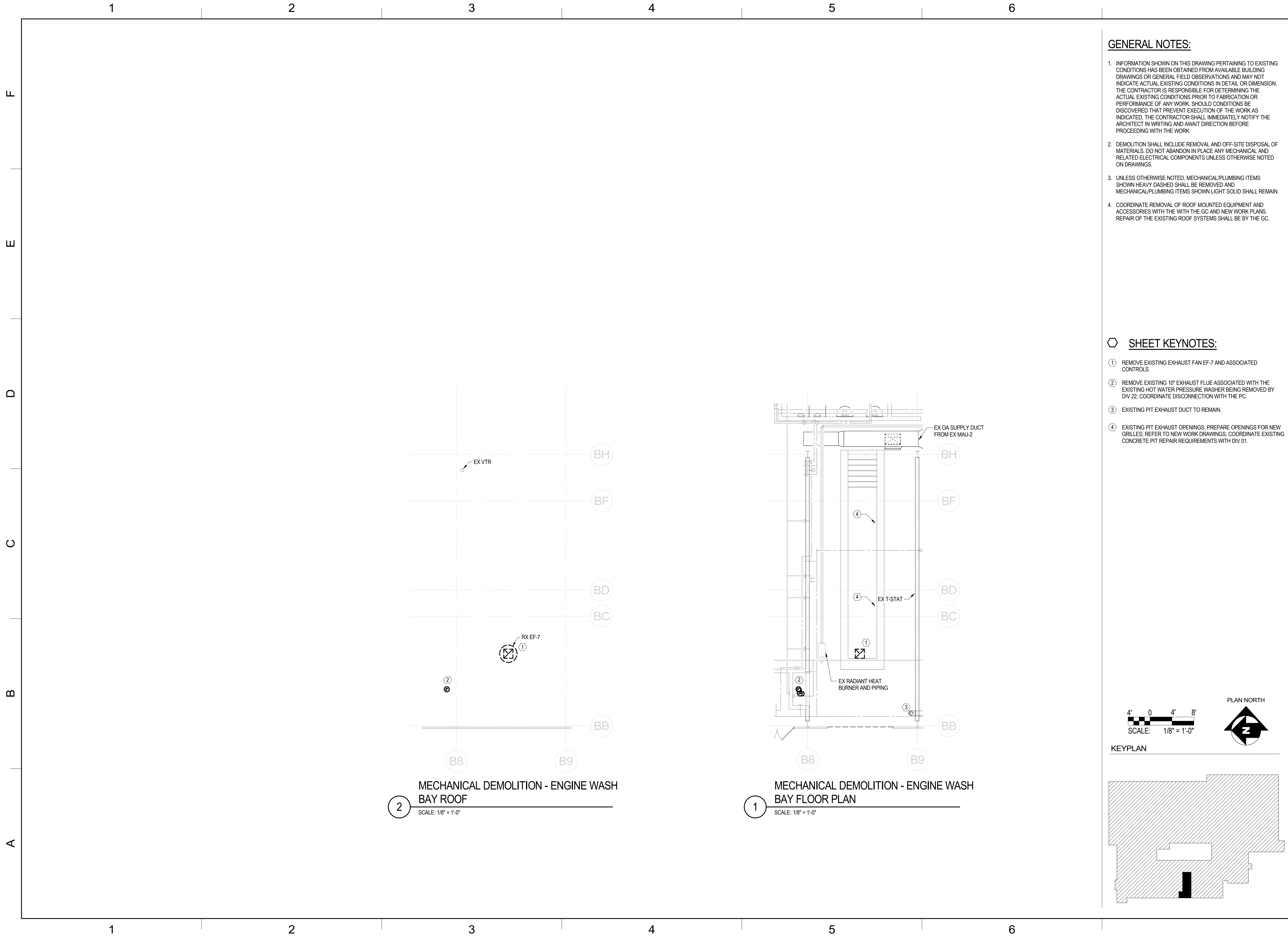
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**MECHANICAL
DEMOLITION FLOOR
PLANS - DRIVERS AREA**

SHEET NUMBER:

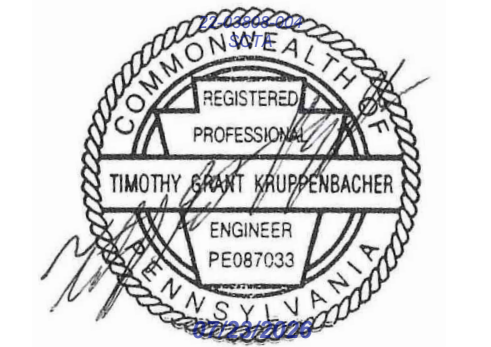
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SEAL:



PROJECT:

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LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

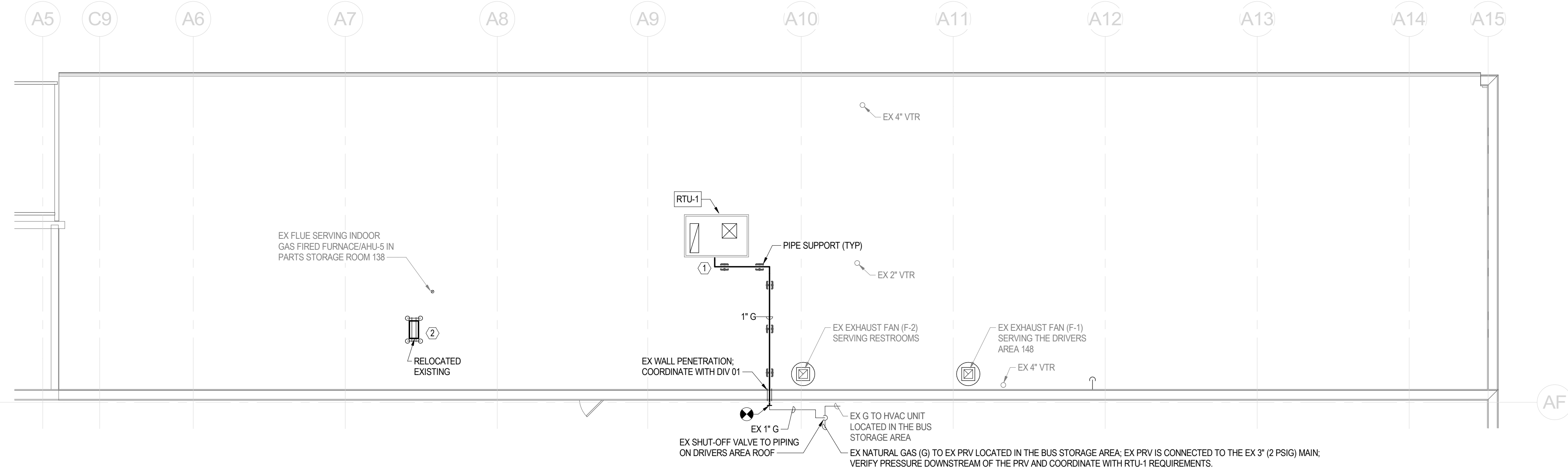
PROJECT NO:	22-03808-004
DATE:	07/23/2026
SCALE:	As indicated
DESIGNED BY:	ELY
DRAWN BY:	MMB
CHECKED BY:	ICI

DRAWING TITLE:
**MECHANICAL
DEMOLITION FLOOR
PLANS - ENGINE WASH
BAY**

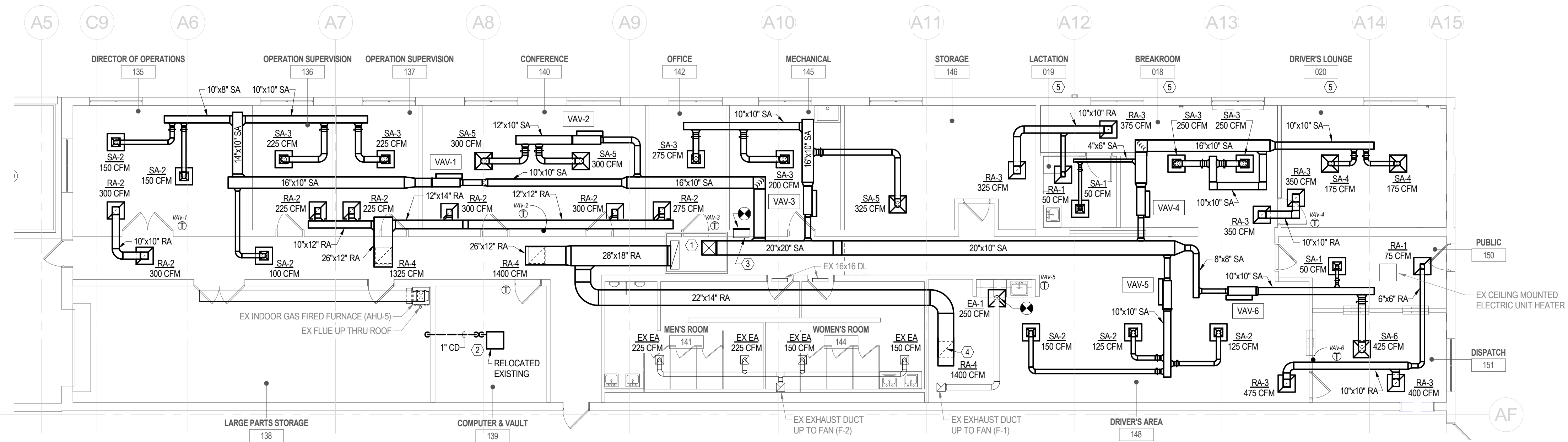
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2 MECHANICAL NEW WORK - DRIVERS AREA ROOF
SCALE: 1/8" = 1'-0"



1 MECHANICAL NEW WORK - DRIVERS AREA FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL BE EXISTING TO REMAIN.
3. DO NOT LOCATE PIPING WITHIN DEDICATED ELECTRICAL SPACE ABOVE ELECTRICAL PANELS OR EQUIPMENT. REFER TO SHEET M00-001 FOR MECHANICAL LEGEND AND GENERAL NOTES.
4. COORDINATE ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.
5. DUCTWORK AND DIFFUSER ARRANGMENTS ARE BASED ON SYMMETRICAL VARIABLE VOLUME AIR DISTRIBUTION FROM THE VAV BOX AT MINIMUM CFM SETPOINTS.
6. UNLESS OTHERWISE NOTED, REFER TO DEVICE SCHEDULES FOR DIFFUSER AND VAV CONNECTION SIZES TO BRANCH DUCT.
7. THE SPACE ABOVE THE CEILING SHALL NOT BE USED AS A PLENUM.

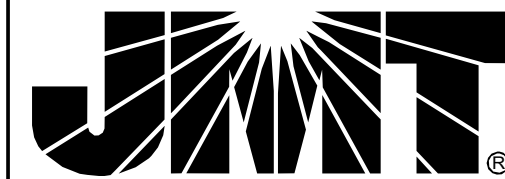
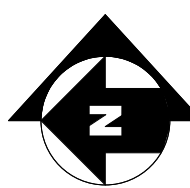
SHEET KEYNOTES:

1. COORDINATE LOCATION AND INSTALLATION OF RTU-1 WITH THE GC. ROUTE GAS PIPING ON ROOF THRU THE BUS STORAGE AREA WALL AND CONNECT TO EXISTING.
2. RELOCATED EXISTING ROOF MOUNTED CONDENSING UNIT AND DUCTLESS SPLIT HEAT PUMP (CAC/BDP MODEL: 40MBCQ12-301-, 208/230 V, 1 PH, 1.0 FLA, SERIAL: 1320V17751); PROVIDE ALL ASSOCIATED CONTROLS, R410A REFRIGERANT & PIPING, AND EQUIPMENT SUPPORTS; ROUTE CONDENSATE TO DRAIN IN PARTS STORAGE ROOM 138.
3. EXISTING SURFACE MOUNTED GRILLE AND WALL OPENING AT FLOOR; PROVIDE OED CONNECTION WITHIN MECH ROOM 145.
4. RETURN DIFFUSER VOLUME DAMPER SHALL BE SET TO AN OPEN POSITION TO MAINTAIN THE ABILITY TO RETURN A MAXIMUM OF 2400 CFM (WITHOUT EXHAUST FANS ENERGIZED) AND MINIMUM OF 1400 CFM (AS SHOWN WITH EXHAUST FANS ENERGIZED).
5. COORDINATE WORK IN THIS AREA WITH FIRE PROTECTION CONTRACTOR AND THE DELEGATED DESIGN PROVIDED UNDER DIV. 21 TO RELOCATE SPRINKLER HEAD LOCATIONS AND ASSOCIATED PIPING; REFER TO ARCHITECTURAL RCP AND PLUMBING PIPING PLANS.

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

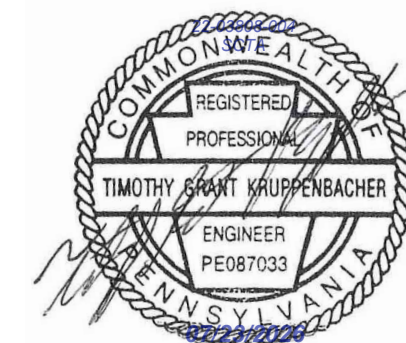
KEYPLAN

PLAN NORTH



JOHNSON, MIRMIAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION
MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: ELY

DRAWN BY: MMB

CHECKED BY: ICI

DRAWING TITLE:

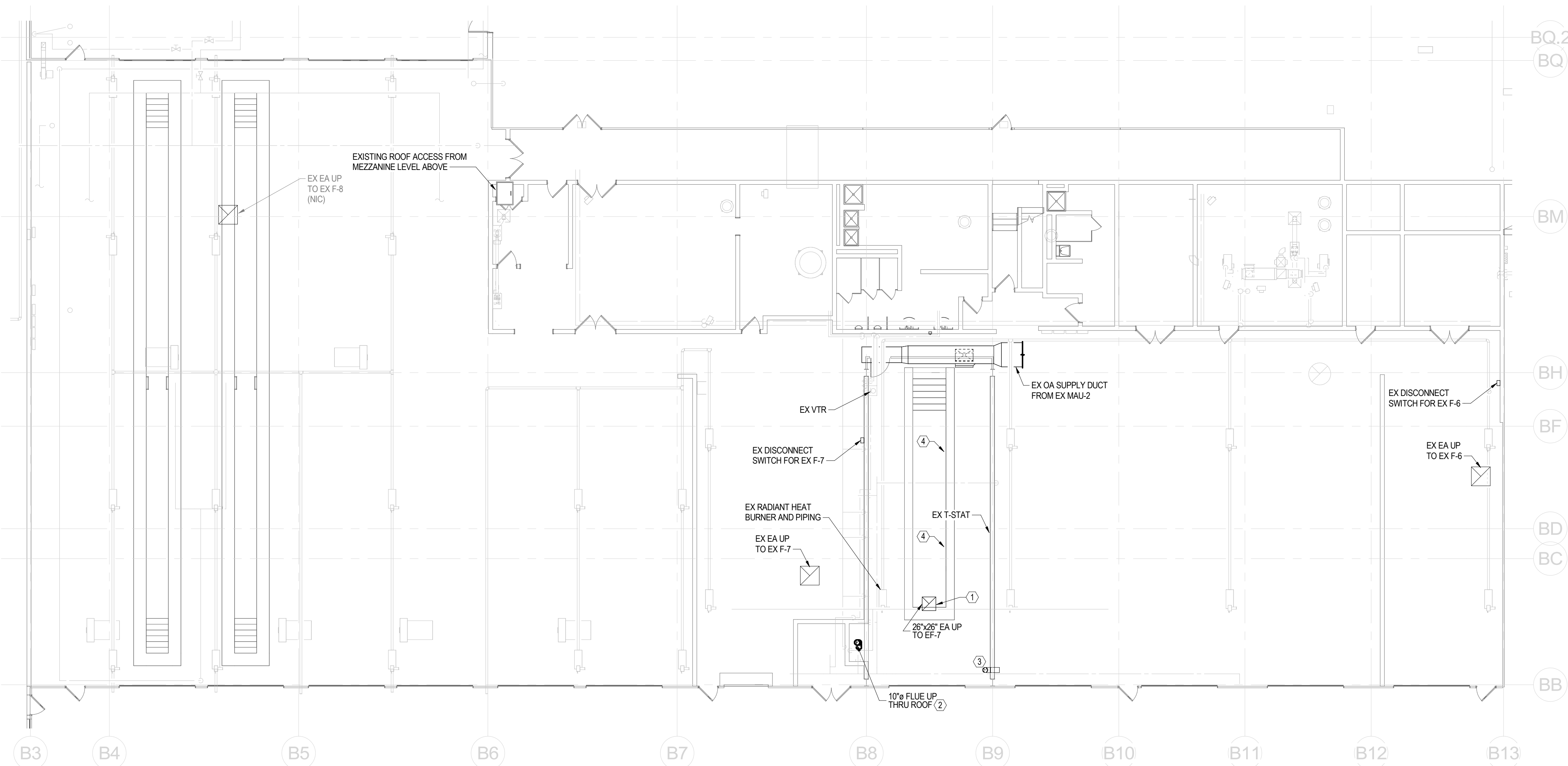
**MECHANICAL NEW
WORK FLOOR PLANS -
DRIVERS AREA**

SHEET NUMBER:

M-101

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Autodesk Docs\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\22-03808-004_SCTA-BARTA_MEP_R2024.rvt
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1 MECHANICAL NEW WORK - ENGINE WASH BAY FLOOR PLAN
SCALE: 3/32" = 1'-0"

GENERAL NOTES:

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL BE EXISTING TO REMAIN.
3. DO NOT LOCATE PIPING WITHIN DEDICATED ELECTRICAL SPACE ABOVE ELECTRICAL PANELS OR EQUIPMENT. REFER TO SHEET M00-001 FOR MECHANICAL LEGEND AND GENERAL NOTES.
4. COORDINATE ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.

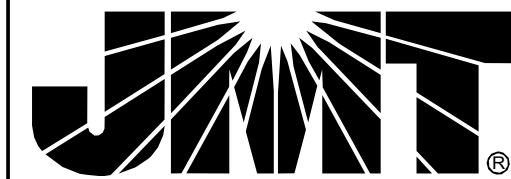
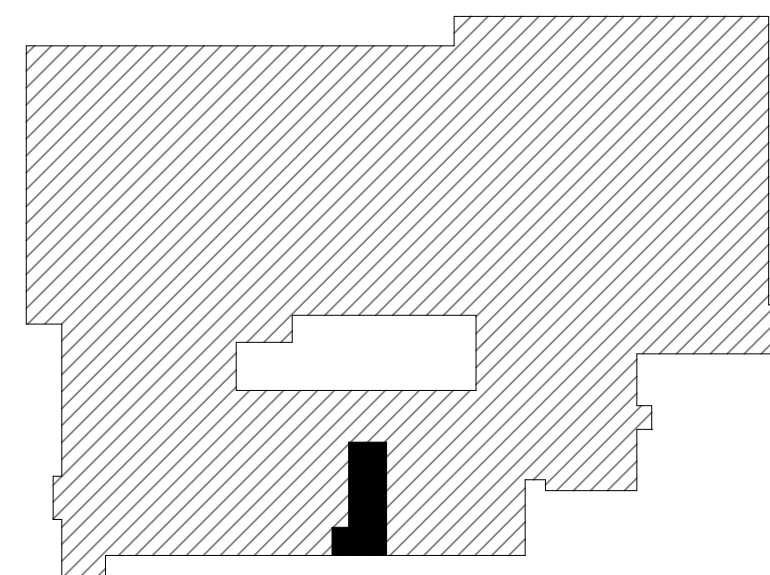
SHEET KEYNOTES:

1. COORDINATE LOCATION AND INSTALLATION WITH THE GC (DIV 01); PROVIDE OPEN END DUCT AT 19'-6" AFF WITH 1/2" FRAMED WIRE MESH SCREEN.
2. PROVIDE DRAFT DIVERTER/HOOD AND FLUE THRU ROOF; COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH THE HOT WATER PRESSURE WASHER PROVIDED UNDER DIV 22; COORDINATE ROOF PENETRATION WITH DIV 01.
3. EXISTING PIT EXHAUST DUCT TO REMAIN; COORDINATE AREA CLEANING WITH THE GC, TO INCLUDE THE EXTERIOR OF THE EXISTING DUCTWORK.
4. PROVIDE NEW PIT EXHAUST GRILLE EA-2 (125 CFM); CLEAN THE INTERIOR OF THE EXISTING DUCTWORK AND VERIFY OPERATION AND CONTROLS OF EXISTING PIT EXHAUST FAN (CM-3) LOCATED IN THE ADJACENT BAY.

4' 0' 4' 8' 12'
SCALE: 3/32" = 1'-0"

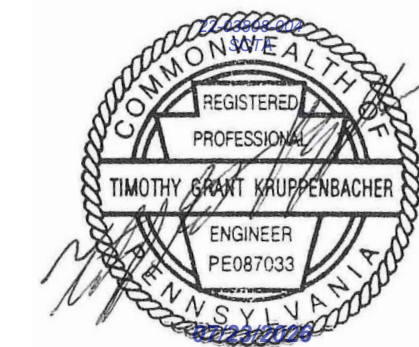


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SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: ELY

DRAWN BY: MMB

CHECKED BY: ICI

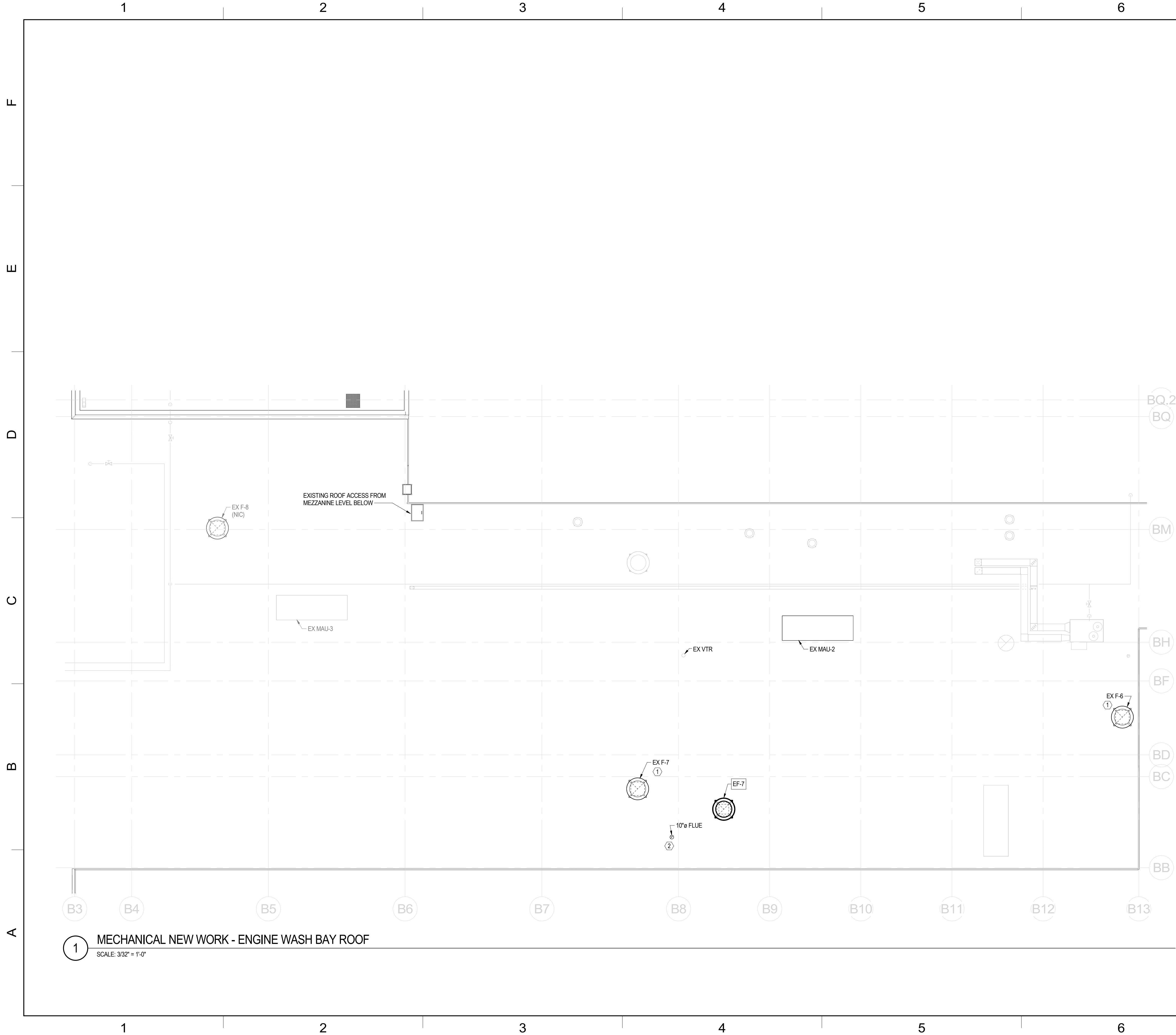
DRAWING TITLE:

**MECHANICAL NEW
WORK FLOOR PLAN -
ENGINE WASH BAY**

SHEET NUMBER:

M-102

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_SCTA-BARTA_MEP_R2024.rvt
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GENERAL NOTES:

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL BE EXISTING TO REMAIN.
3. DO NOT LOCATE PIPING WITHIN DEDICATED ELECTRICAL SPACE ABOVE ELECTRICAL PANELS OR EQUIPMENT. REFER TO SHEET M00-001 FOR MECHANICAL LEGEND AND GENERAL NOTES.
4. COORDINATE ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.

SHEET KEYNOTES:

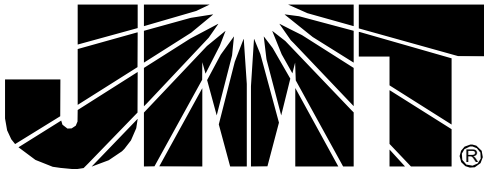
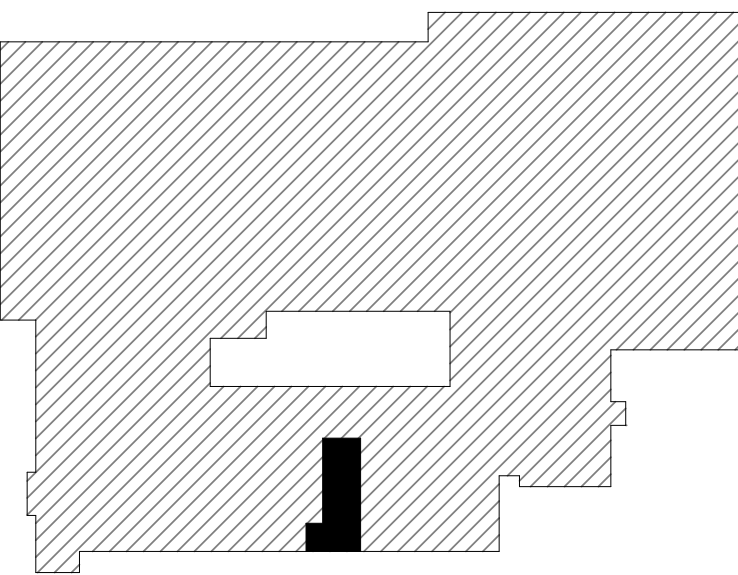
- ① REPLACE THE EXISTING DRIVE AND PULLEY TO REBALANCE THE EXISTING EXHAUST FAN TO 7,000 CFM.
- ② COORDINATE INSTALLATION, SIZE AND CAP REQUIREMENTS FOR THE FLUE WITH THE HOT WATER PRESSURE WASHER PROVIDED UNDER DIV 22; COORDINATE ROOF PENETRATION AND PATCHING WITH THE GC (DIV 01).

4' 0' 4' 8' 12'
SCALE: 3/32" = 1'-0"

PLAN NORTH

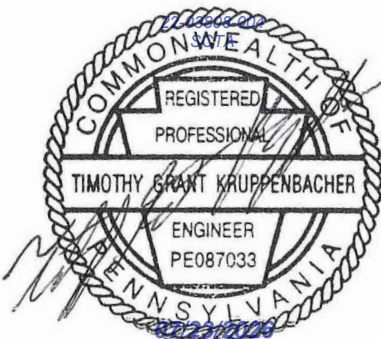


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PROJECT:

**SOUTH CENTRAL
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DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
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PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004
DATE: 07/23/2026
SCALE: As indicated
DESIGNED BY: ELY
DRAWN BY: MMB
CHECKED BY: ICI

DRAWING TITLE:

**MECHANICAL NEW
WORK ROOF PLAN -
ENGINE WASH BAY**

SHEET NUMBER:

M-103

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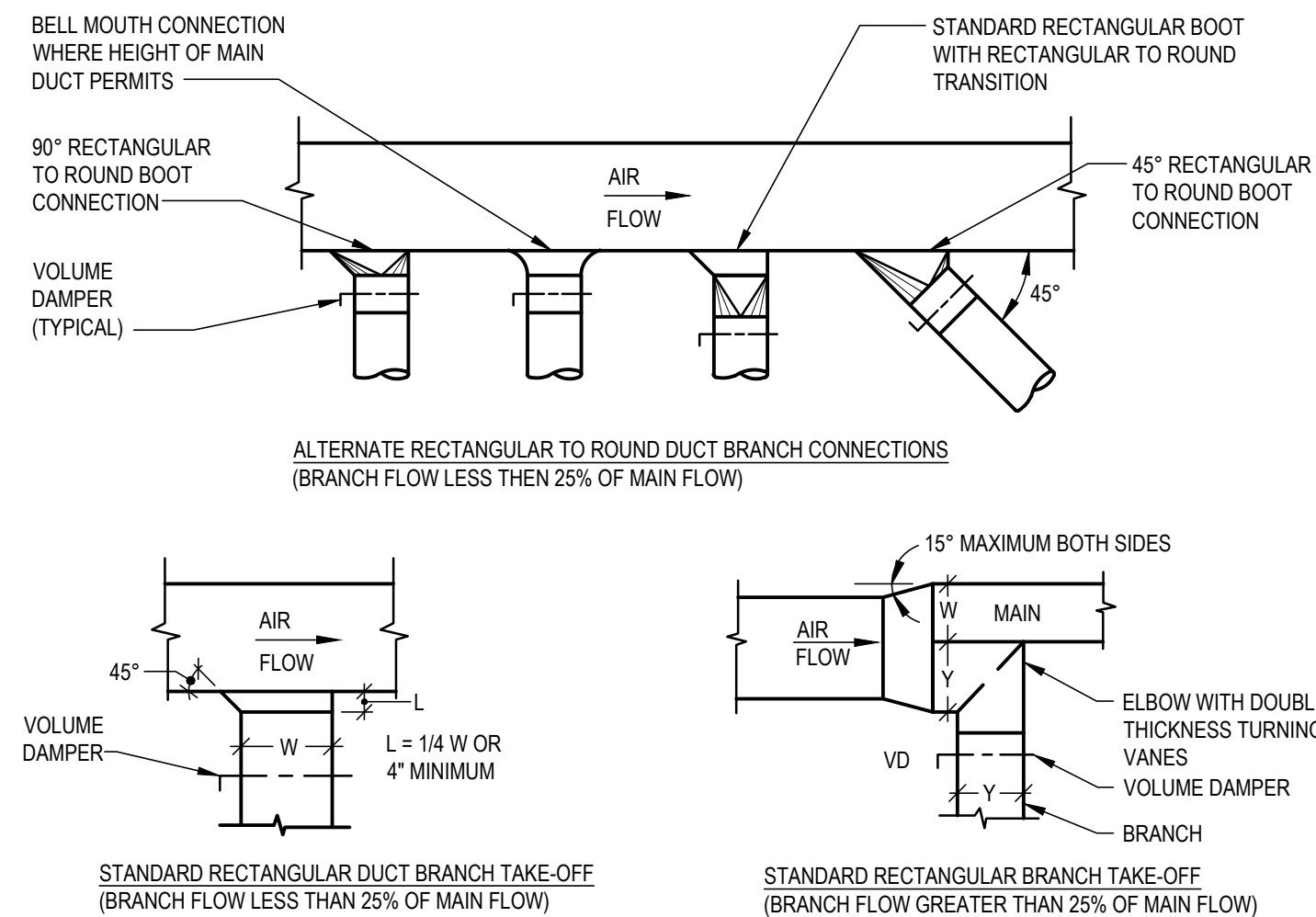
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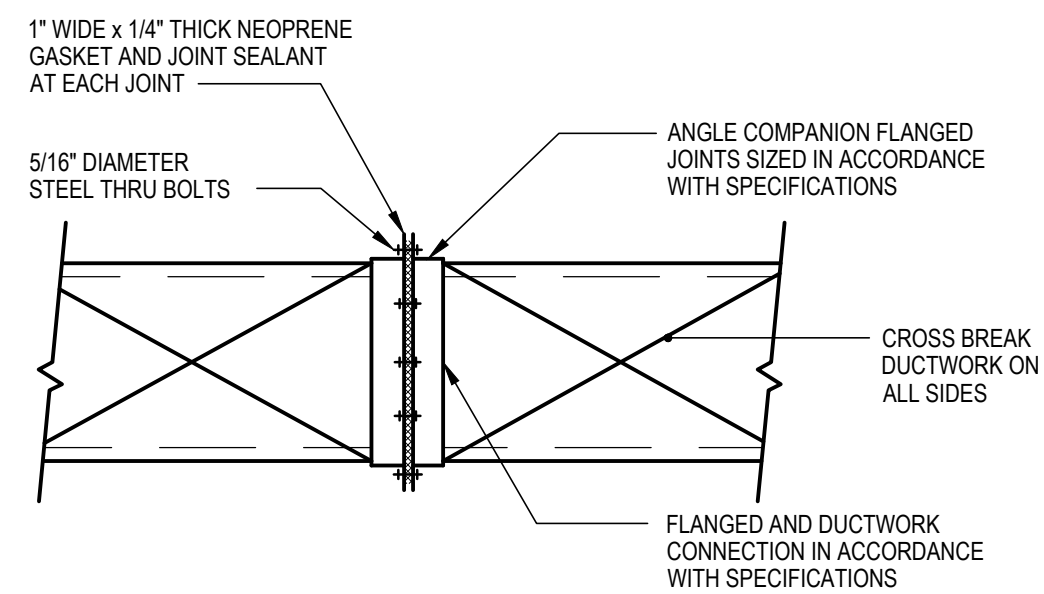
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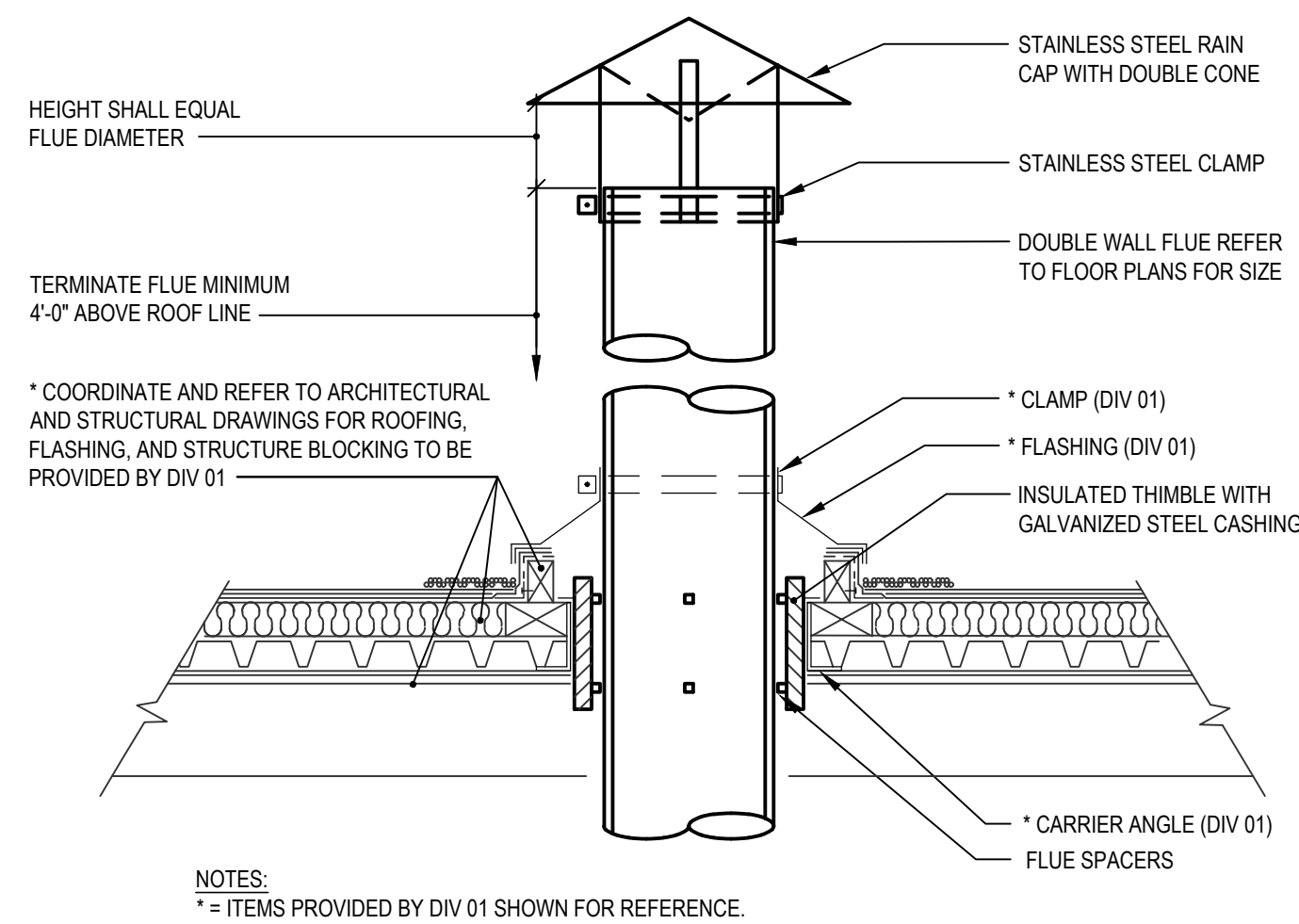
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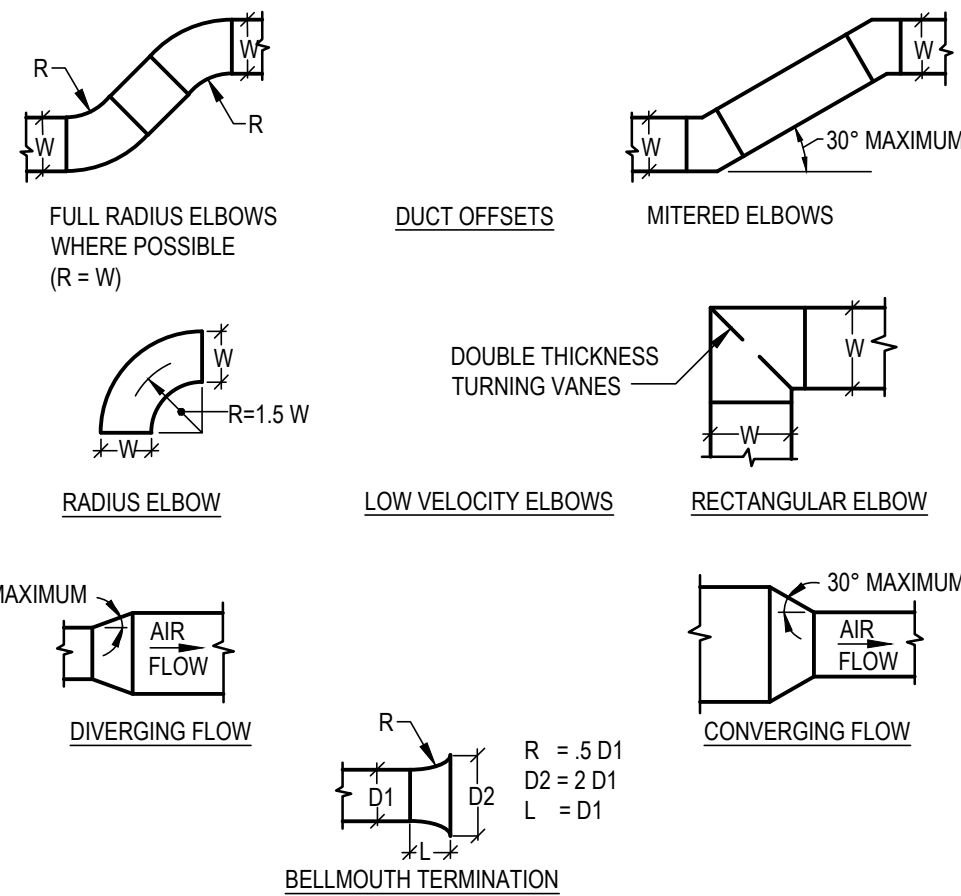
1 LOW VELOCITY BRANCH TAKE-OFF
M-501 SCALE: NTS



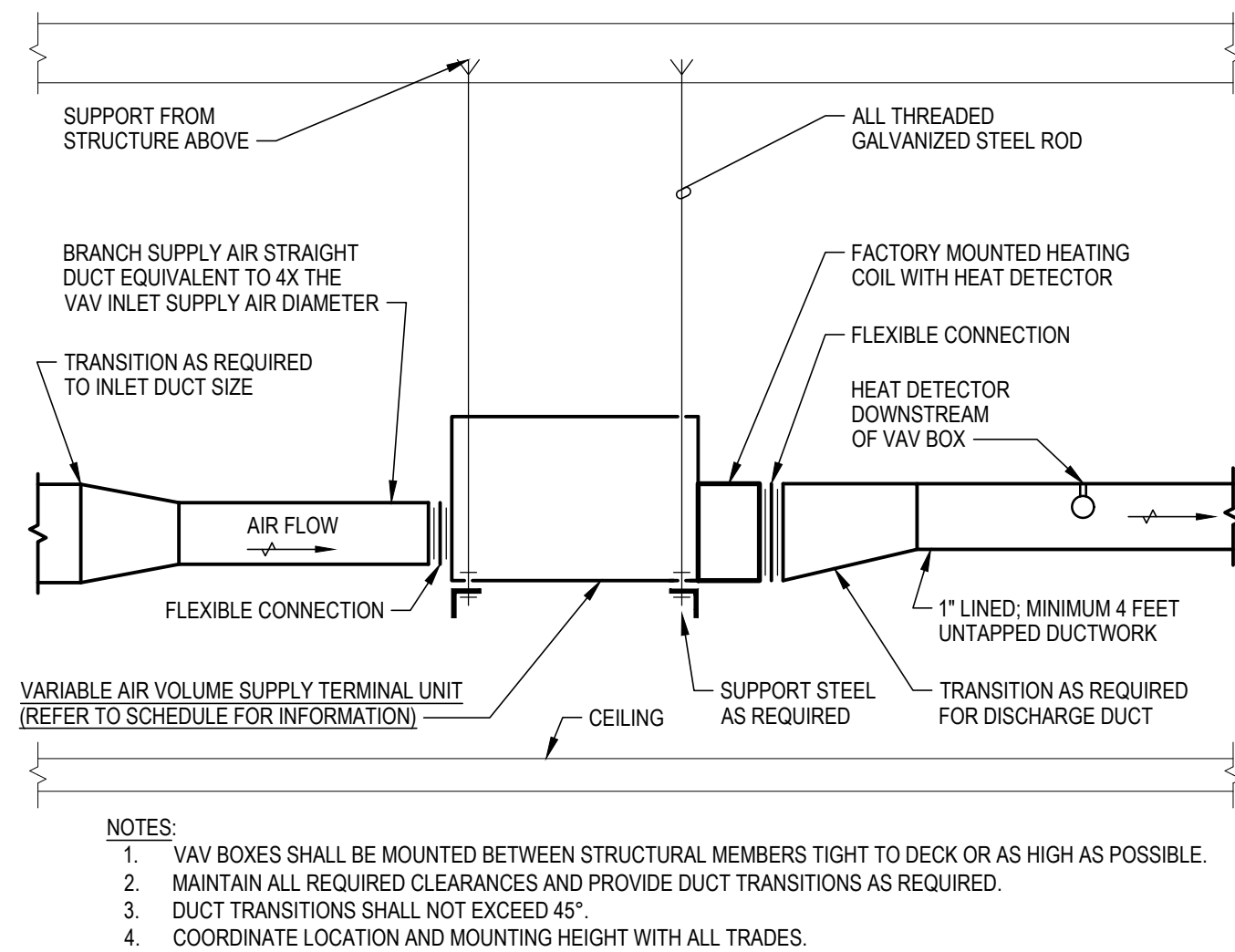
4 FLANGED DUCTWORK CONNECTION
M-501 SCALE: NTS



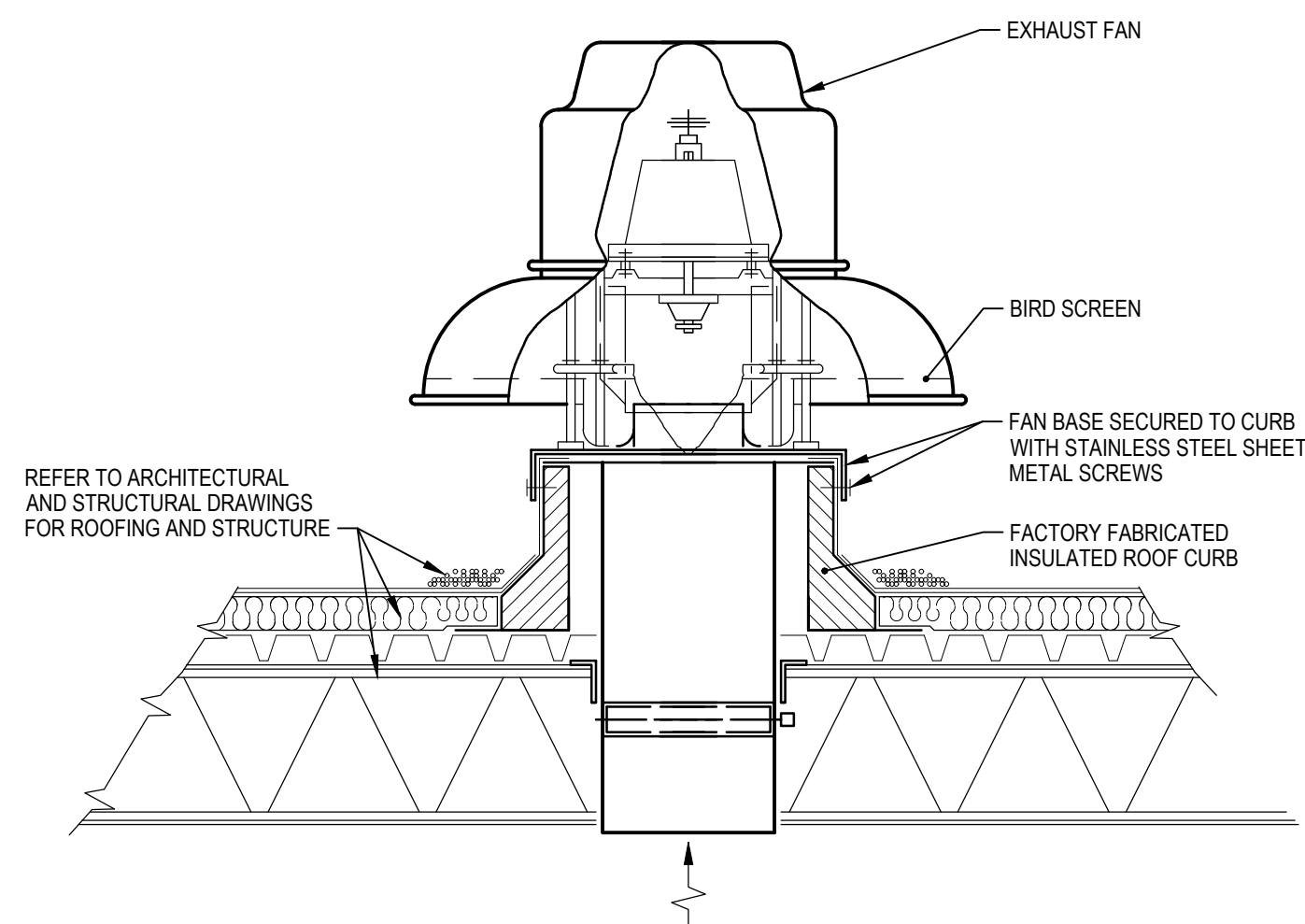
7 FLUE PENETRATION THRU ROOF (GAS EQUIPMENT)
M-501 SCALE: NTS



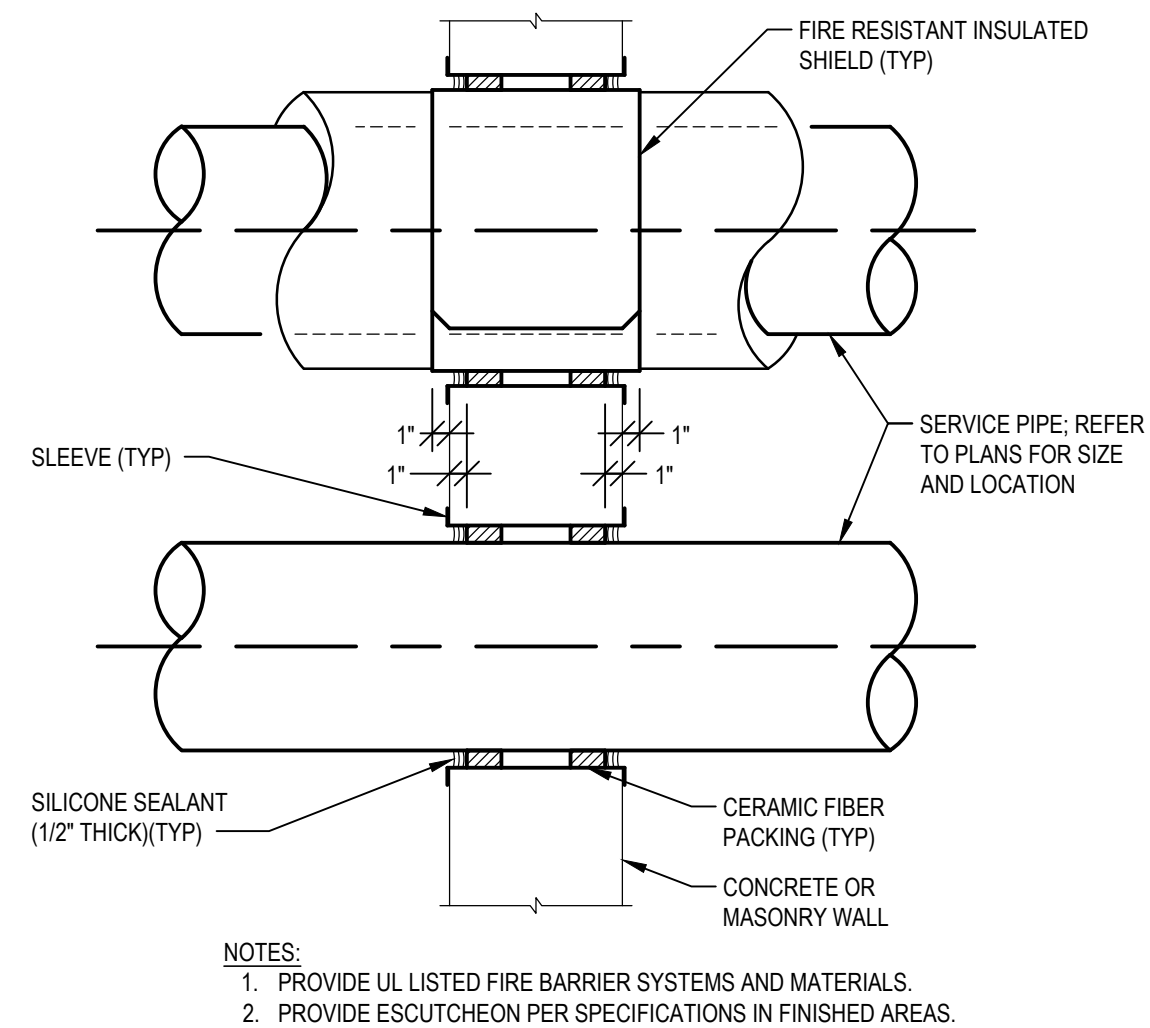
2 DUCT FITTINGS
M-501 SCALE: NTS



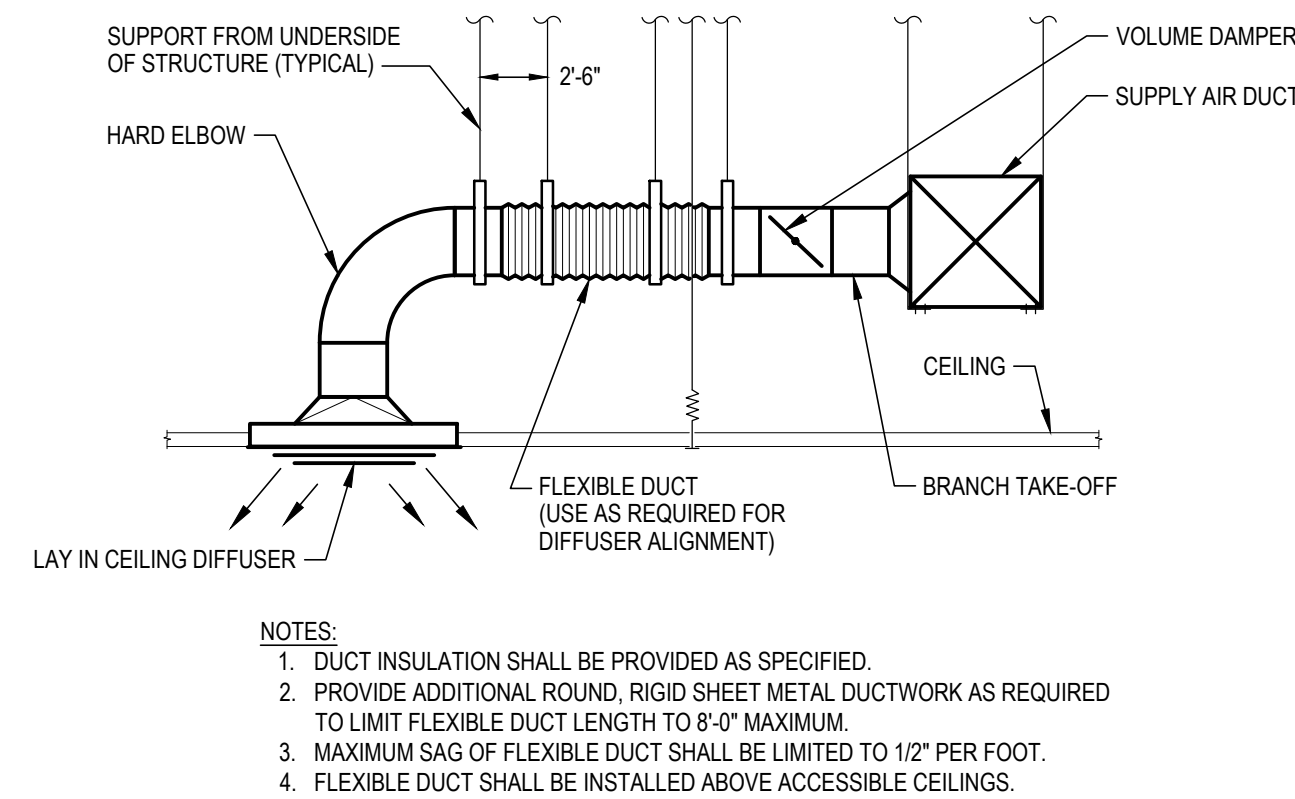
5 VARIABLE AIR VOLUME BOX
M-501 SCALE: NTS



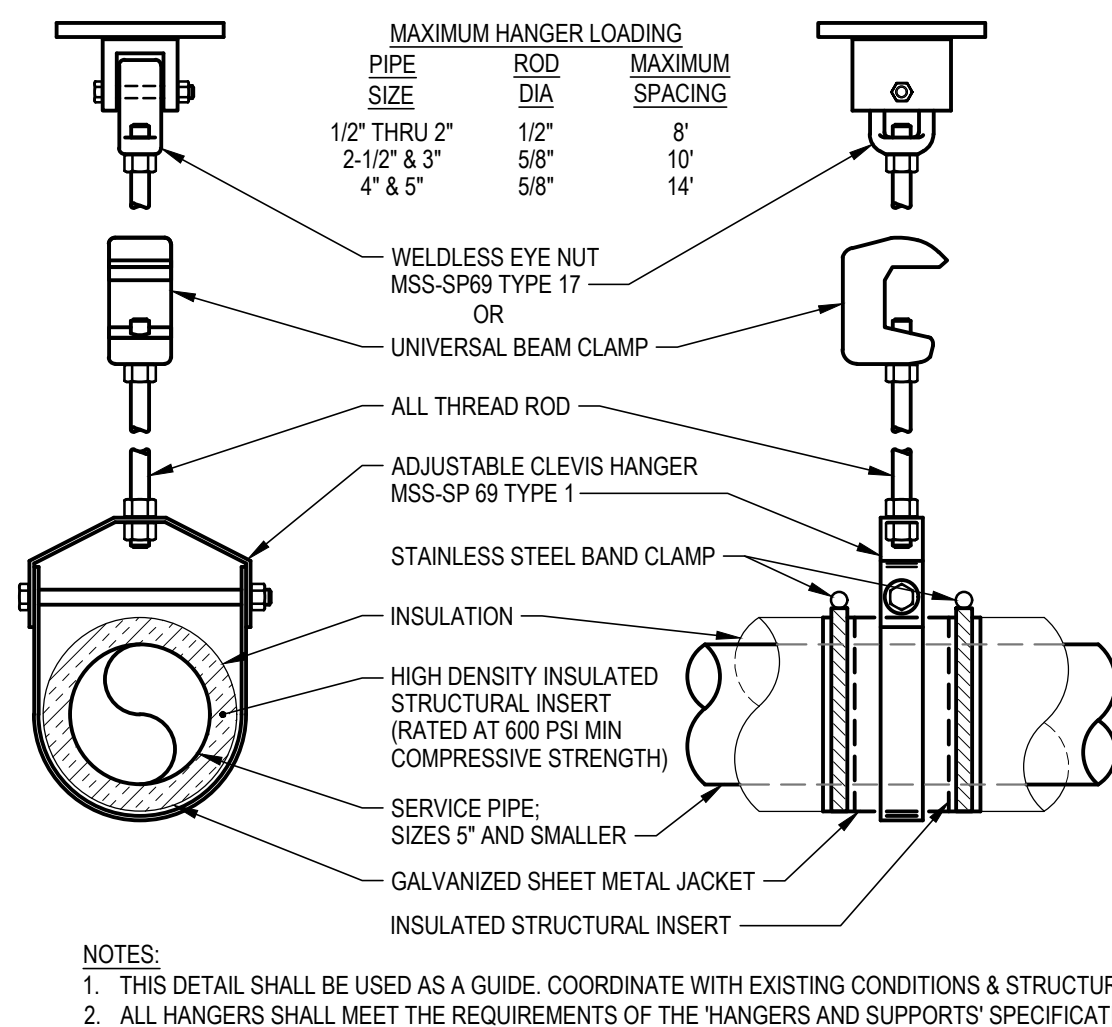
8 ROOF MOUNTED EXHAUST FAN
M-501 SCALE: NTS



3 PIPE PENETRATION THRU EXTERIOR WALL
M-501 SCALE: NTS

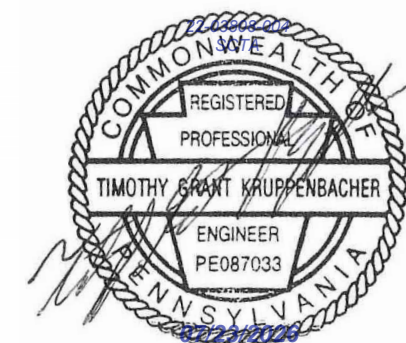


6 BRANCHLINE DIFFUSER
M-501 SCALE: NTS



9 HANGER SUPPORT - 5 INCH AND SMALLER
M-501 SCALE: NTS

SEAL:



PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:
**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION
MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004
DATE: 07/23/2026

SCALE:
DESIGNED BY: ELY
DRAWN BY: MMB
CHECKED BY: ICI

DRAWING TITLE:
MECHANICAL DETAILS

SHEET NUMBER:

M-501

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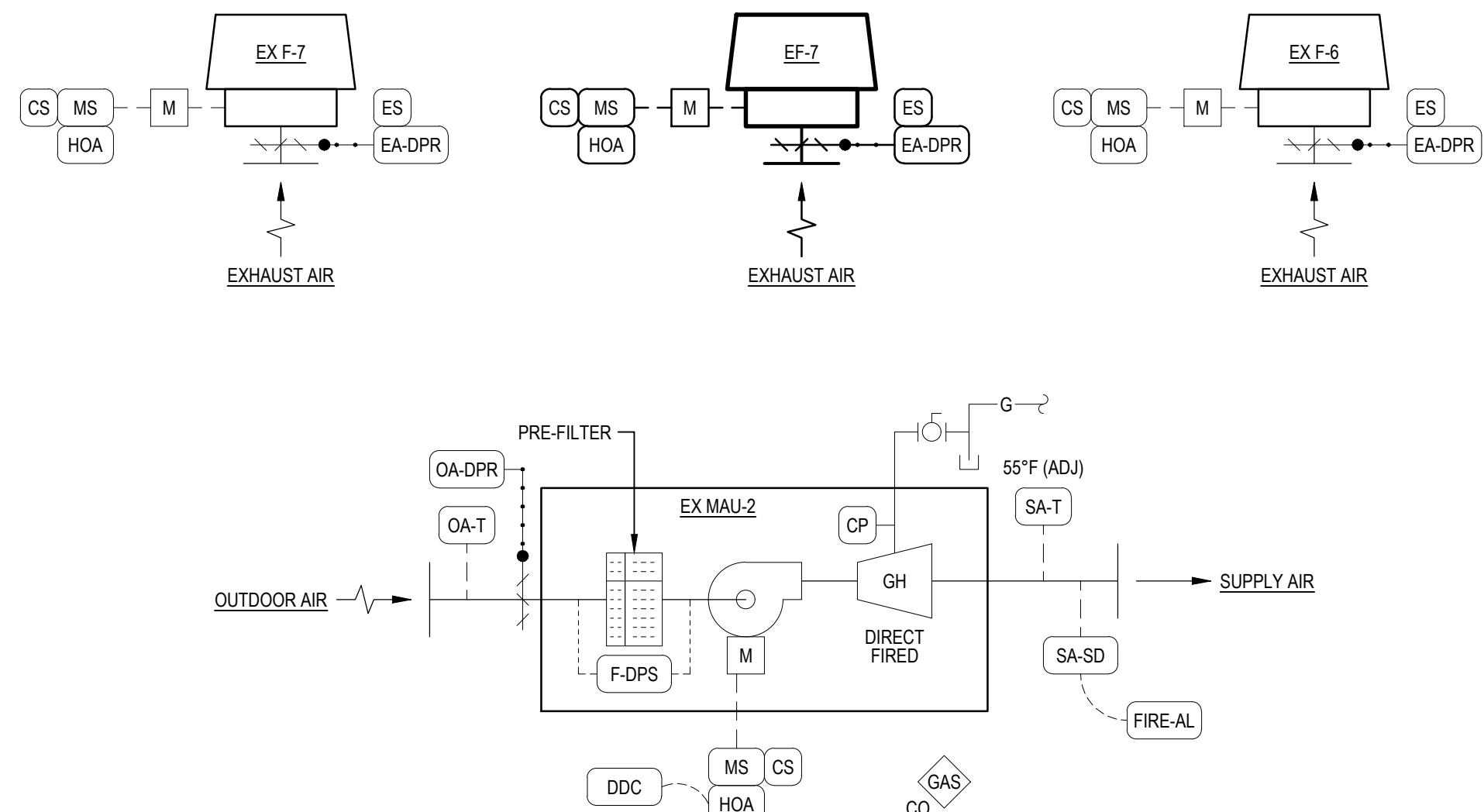
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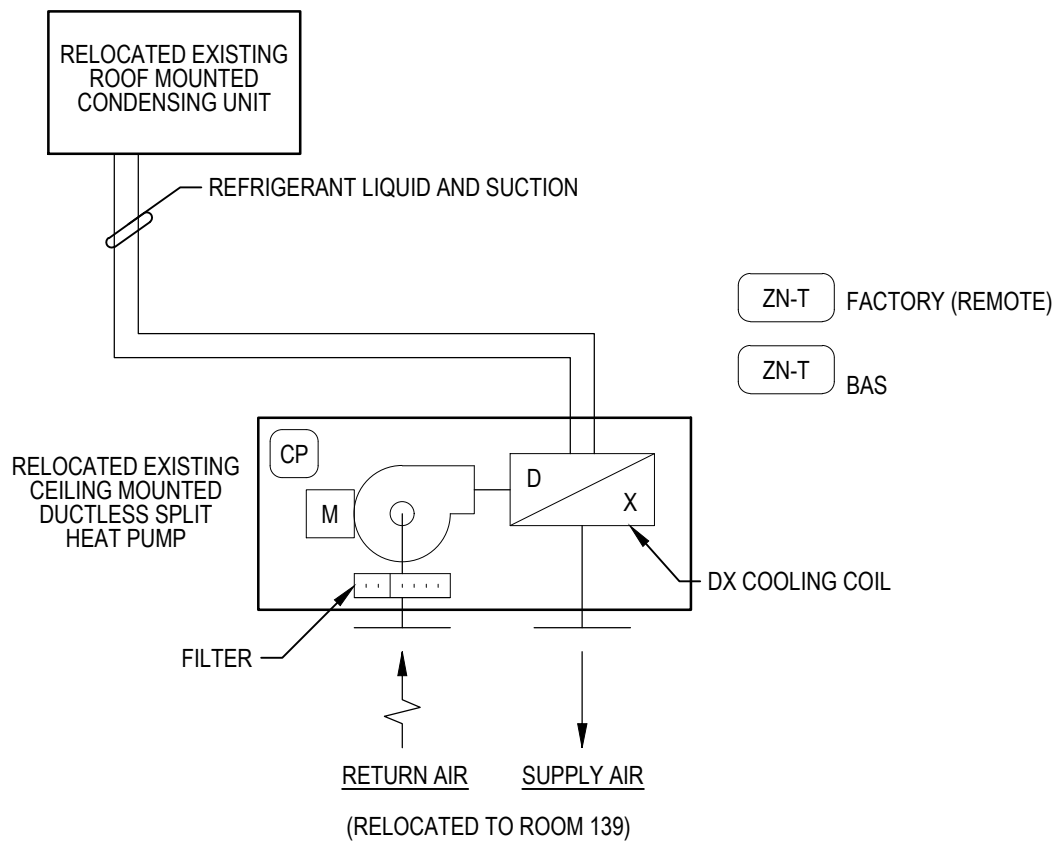
B

A



- 1 MAKE-UP AIR UNIT (EX MAU-2) & EXHAUST FANS (EX F-6, EX F-7 AND EF-7)**
SCALE: NTS NOTE: THE CONTROL SEQUENCE FOR EXISTING MAU-2, F-6, AND F-7 HAS BEEN MODIFIED UNDER THIS CONTRACT TO INCLUDE NEW FAN, EF-7.
- A. "HAND-OFF-AUTOMATIC" SWITCH, ("HOA")**
- "HAND" POSITION = DAMPERS OPEN AND START IS MANUALLY INITIATED UPON PROOF OF DAMPERS END SWITCH.
 - "AUTOMATIC" POSITION = FANS AND DAMPERS ARE CONTROLLED BY THE DDC SYSTEM.
 - "OFF" POSITION = DAMPERS ARE CLOSED ALL UNITS ARE SHUT DOWN.
- B. OCCUPIED MODE**
- EX MAU-2, EX F-6, EX F-7, AND EF-7 SHALL RUN CONTINUOUSLY.
 - WHEN OA-T TEMPERATURE FALLS BELOW SA-T HEATING DISCHARGE SETPOINT, UNIT MODULATING GAS HEATER SHALL MAINTAIN SA-T SUPPLY AIR TEMPERATURE SETPOINT.
 - SA-T MONITORS SUPPLY AIR TEMPERATURE.
 - CURRENT SWITCH MONITORS FAN RUNNING CONDITION (ON/OFF).
 - DIFFERENTIAL PRESSURE SWITCH F-DPS SHALL MONITOR FILTER PRESSURE DROP AND ALARM AT SETPOINT.
 - UPON DETECTION OF PARTICLES OF COMBUSTION BY SMOKE DETECTORS, FANS SHALL SHUT DOWN THRU MOTOR STARTER AND SIGNAL SHALL BE SENT TO THE FIRE ALARM PANEL. SMOKE DETECTOR SHALL BE MANUALLY RESET.
 - OA-T MONITORS OUTSIDE AIR TEMPERATURE.
 - ANY SPACE MOUNTED CARBON MONOXIDE SENSOR/TRANSMITTER MONITORS SPACE AIR CO LEVEL AND PROVIDES SIGNAL TO DDC TO INDICATE PPM CO CONCENTRATION. CO SENSOR / TRANSMITTER INITIATES ALARM SIGNAL TO DDC WHEN CO CONCENTRATION EXCEEDS SETPOINT. EX MAU-2, EX F-6, EX F-7, AND EF-7 SHALL RUN TO RELIEVE CO CONCENTRATION FROM THE BUILDING.
- C. UNOCCUPIED MODE**
- EX MAU-2, EX F-6, EX F-7, AND EF-7 SHALL NOT RUN.

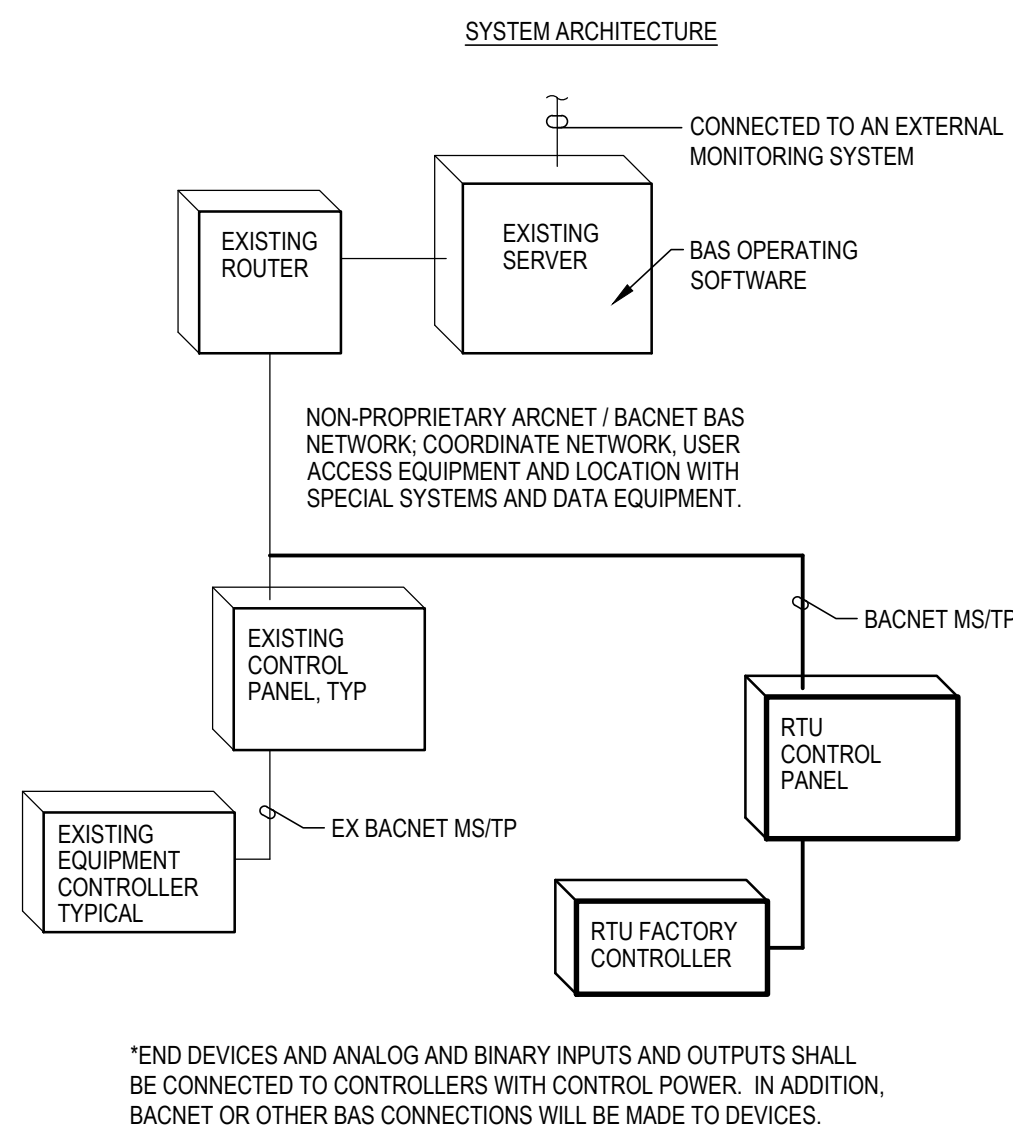
- 2 RELOCATED EXISTING DUCTLESS SPLIT SYSTEM**
SCALE: NTS
- A. THE SPLIT SYSTEM CONSISTS OF AN OUTDOOR CONDENSING UNIT AND AN INDOOR CEILING SUSPENDED EVAPORATOR WITH A DEDICATED CONTROLLER/THERMOSTAT.**
- B. CEILING SUSPENDED DUCTLESS SPLIT SYSTEM EVAPORATOR (DSSE) INTERNAL CONTROLS SHALL CYCLE THE SUPPLY FAN AS NEEDED TO MEET THE ZONE TEMPERATURE SETPOINT AS SELECTED ON THE THERMOSTAT PROVIDED WITH THE UNIT. THE DSSE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE AT 74°F (ADJ).**
- C. THE AIR COOLED CONDENSING UNIT SHALL BE ENERGIZED WHEN THE INDOOR UNIT CALLS FOR COOLING AND MODULATE AS NEEDED TO SATISFY LOAD.**
- D. A BAS ZONE TEMPERATURE SENSOR SHALL MONITOR THE SPACE TEMPERATURE AND SEND A HIGH TEMPERATURE ALARM WHEN THE SPACE TEMPERATURE EXCEEDS 80°F (ADJ) AND LOW TEMPERATURE ALARM WHEN THE SPACE TEMPERATURE FALLS BELOW 60°F (ADJ).**



GENERAL CONTROL NOTES AND REQUIREMENTS:

- THESE CONTROL DRAWINGS INDICATE SYSTEMS TO BE CONTROLLED BY BAS AND/OR STANDALONE MEANS AS WELL AS INTENDED SEQUENCES OF OPERATION.
- THE CONTROL SYSTEM SHALL BE FULLY INSTALLED, CALIBRATED, AND ADJUSTED TO PROVIDE ACCURATE AND STABLE SYSTEM OPERATION. CONTROLLED PARAMETERS SHALL BE MAINTAINED WITHIN ACCEPTABLE RANGES AND PID TUNING SHALL BE PERFORMED TO PROVIDE STABLE OPERATION WITHIN 2 MINUTES OF A PARAMETER CHANGE. THE ENGINEER WILL EVALUATE THE SYSTEM TO VERIFY THAT PROPER INSTALLATION AND SYSTEM SETUP/TUNING HAS BEEN PERFORMED ONLY AFTER WRITTEN DOCUMENTATION FROM THE CONTROLS CONTRACTOR, INCLUDING TRENING DATA, HAS BEEN SUBMITTED INDICATING THAT THE CONTROL INSTALLATION AND SETUP IS COMPLETE.
- CONTROL SUBMITTALS SHALL INCLUDE SYSTEM SCHEMATICS, WIRING DIAGRAMS, AND CONTROL LOGIC TO BE USED TO ACHIEVE INTENDED SEQUENCES OF OPERATION - SIMPLY REPRODUCING SEQUENCES AS PROVIDED IN THESE DRAWINGS OR SUBMITTING CONTROL SEQUENCES DIRECTLY FROM EQUIPMENT SUBMITTALS WILL NOT BE ACCEPTABLE.
- CONTROLLERS INTEGRATED TO THE BAS SHALL BE NATIVE BACNET.
- COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE NECESSARY FITTINGS AND ACCESSORIES FOR ALL FIELD INSTALLED CONTROL DEVICES.
- SYSTEMS ARE COMPOSED OF NEW EQUIPMENT; COORDINATE WITH CONTRACT DOCUMENTS.
- FINAL POINTS LISTS SHALL BE DEVELOPED BY THE BAS SUPPLIER, BASED ON THE POINTS TABLE, SCHEMATICS, AND SEQUENCES PROVIDED HERE, AND SUBMITTED TO THE ENGINEER FOR REVIEW.
- POWER FOR CONTROL SYSTEMS AND EQUIPMENT SHALL BE PROVIDED BY BAS CONTRACTOR IN ACCORDANCE WITH DIVISION 26 REQUIREMENTS. ALL POWER FOR CONTROL SYSTEMS SHALL BE INDEPENDENT OF EQUIPMENT LOW VOLTAGE DC SERVICE UNLESS OTHERWISE DIRECTED.
- IN ADDITION TO THE BACNET INTERFACE, VARIABLE FREQUENCY DRIVES SHALL BE HARD WIRED FOR START/STOP, SPEED, AND STATUS UNLESS PROVIDED AS PART OF THE EQUIPMENT PACKAGE AND CONTROLLED THROUGH THE PACKAGED EQUIPMENT CONTROLLER.
- CONTROL END DEVICES FOR AHU EQUIPMENT SHALL BE FACTORY MOUNTED UNLESS OTHERWISE NOTED.
- ACTUATORS, VARIABLE FREQUENCY DRIVES (MOTOR CURRENT), TEMPERATURE SENSORS, HUMIDITY SENSORS AND CURRENT SENSORS SHALL PROVIDE ANALOG INPUTS TO THE BAS.
- DAMPER ACTUATORS ARE NOTED WITH "NO" AND "NC" FOR NORMALLY OPEN AND NORMALLY CLOSED, INDICATING SPRING RETURN ORIENTATION.
- WHERE ADJUSTABLE TEMPERATURE SETPOINTS ARE NOT IDENTIFIED, A +/- 2°F DEADBAND (ADJUSTABLE) SHALL BE PROVIDED.
- UNLESS OTHERWISE NOTED, HEATING SEASON AND COOLING SEASON SHALL BE CALENDAR BASED. HEATING SEASON SHALL BE DECEMBER 1 THROUGH MARCH 31 (ADJUSTABLE), COOLING SEASON SHALL BE APRIL 1 THROUGH NOVEMBER 30 (ADJUSTABLE).
- ALL SETPOINTS, RESET SCHEDULES AND DEADBANDS IDENTIFIED HEREIN SHALL BE ADJUSTABLE BY THE BUILDING OPERATOR THROUGH THE BAS INTERFACE ASSOCIATED WITH EACH SYSTEM.
- INFORMATION SHOWN ON THE CONTROLS DRAWING(S) MUST BE COORDINATED WITH THE WORK OF MULTIPLE SEPARATE CONTRACTS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL FIELD CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- REFER TO ALL PROJECT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS FOR CONTRACTOR(S) RESPONSIBILITIES.
- MOUNTING HEIGHT FOR INSTRUMENTS IN THE BREATHING ZONE REFERS TO THE OSHA BREATHING ZONE WHICH IS DEFINED AS AN AREA WITHIN 10 INCHES OF THE WORKERS NOSE AND MOUTH. FOR THIS PROJECT, THE BREATHING ZONE IS ESTABLISHED BETWEEN 4'-6" AND 6'-0".
- SENSORS AND ALARM HORN/STROBE LIGHTS SHALL BE LOCATED TO PROVIDE A MINIMUM COVERAGE AREA OF 50'-0" FROM THE DEVICE, OR AS DIRECTED BY THE MANUFACTURER.

BAS INPUT / OUTPUT SUMMARY																																													
SYSTEM, APPARATUS, OR AREA POINT DESCRIPTION	FACTORY CONTROL W/ BAS ELEMENTS	BAS CONTROL	INPUTS																		OUTPUTS					SYSTEM FEATURES								MISC.	REMARKS										
			ANALOG									BINARY									ANALOG		BINARY			ALARMS				PROGRAMS															
			OA TEMPERATURE/HUMIDITY	OA CFM	RA TEMPERATURE/HUMIDITY	MA TEMPERATURE	COOLING COIL DISCHARGE TEMPERATURE	SA TEMPERATURE	SA CFM	VFD SPEED	GAS VALVE POSITION	SPACE TEMPERATURE	DAMPER POSITION(S)	DUCT STATIC PRESSURE	HEATER KW	VAV CFM	RUN STATUS	FILTER DP	HIGH STATIC PRESSURE	SA AND RA SMOKE DETECTION	FAULT	AUTO STATUS	DAMPER END SWITCH	DAMPER POSITION COMMAND(S)	DUCT STATIC SETPOINT ADJUSTMENT	VFD SPEED COMMAND	START/STOP COMMAND	HAND-OFF-AUTO	OCCUPIED/UNOCCUPIED OVERRIDE	HIGH ANALOG TEMPERATURE	LOW ANALOG TEMPERATURE	HIGH STATIC PRESSURE	PROOF			REFRIGERANT FAULT	FAILURE	TIME SCHEDULING	STATIC PRESSURE RESET	OPTIMUM START	CALCULATED RUNTIME	TREND	BAS SYSTEM GRAPHIC	UP TO 10 POINT AS REQUESTED BY OWNER	
RTU-1	X		F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F				
VAV BOXES		X									B	B		B	B							B	B	B	B	B			B	B	F	F	F	F	F	F	F	F	F	F	F	F	F		
EF-7		X														B																													
DSS-X	X										FB																		B	B															
NOTES: 1.) SMOKE DETECTOR ACTIVATION SHALL PROVIDE ALARM TO THE BAS AND FIRE ALARM SYSTEM. 2.) POINTS DESIGNATED WITH "F" SHALL BE PROVIDED BY THE FACTORY CONTROLLER AND INTEGRATED INTO THE BAS. 3.) POINTS DESIGNATED WITH "B" SHALL BE PROVIDED BY THE BAS, INCLUDING SENSORS AND PROGRAMMING AS REQUIRED. 4.) POINTS DESIGNATED WITH "FB" SHALL BE PROVIDED BY THE FACTORY CONTROLLER AND NOT INTEGRATED INTO THE BASE. AN ADDITIONAL SENSOR SHALL BE PROVIDED BY THE BAS CONTRACTOR FOR MONITORING AND ALARM. 5.) POINTS DESIGNATED WITH "FB" SHALL BE PROVIDED BY THE FACTORY CONTROLLER AND NOT INTEGRATED INTO THE BASE. AN ADDITIONAL SENSOR SHALL BE PROVIDED BY THE BAS CONTRACTOR FOR MONITORING AND ALARM. 6.) THE SYSTEM POINT DESCRIPTION IS NOT INTENDED TO PROVIDE A COMPREHENSIVE LIST OF REQUIREMENTS AND SHALL BE USED IN CONJUNCTION WITH THE WRITTEN LOGIC TO PROVIDE A COMPLETE BAS LEVEL OF PERFORMANCE. 7.) THE RTU SHALL BE PROVIDED WITH A FACTORY INTEGRAL MICROPROCESSOR CONTROLLER WITH BACNET MS/TP COMMUNICATION.																																													

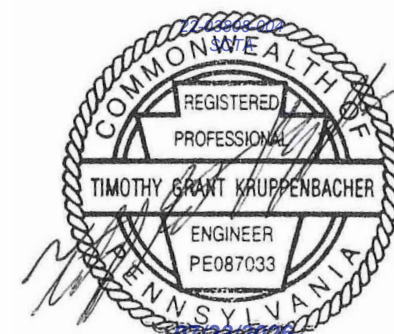


- CONTROLS DESIGNATIONS**
- Visual display device mounted on side of duct or unit
 - POINT(S) INTEGRATED OR HARD WIRED TO BAS
 - INDICATED GRAPHICAL DISPLAY POINT (MUST APPEAR ON SYSTEM GRAPHIC)
 - R (REQUESTED) SETPOINT FOR A THERMOSTAT, DAMPER, VALVE, ETC.
 - A (ACTUAL) POSITIVE POSITION FEEDBACK, TEMPERATURE SENSOR INPUT, ETC.
 - O (ORIGINAL) VALUE ESTABLISHED DURING INITIAL SYSTEM COMMISSIONING.

- CONTROLS ABBREVIATIONS**
- | "X" | "X"- "Y" | "Y" | |
|------|-----------------------------------|-----|------------------------------|
| C | COMPRESSOR | A | AMPERAGE |
| CP | CONTROL PANEL | AFM | AIRFLOW MEASURING STATION |
| EA | EXHAUST AIR | AL | ALARM |
| EF | EXHAUST FAN | B | MANUAL PUSH BUTTON |
| EG | EMERGENCY GENERATOR | CO | CARBON MONOXIDE SENSOR |
| EM | EMERGENCY | CO2 | CARBON DIOXIDE SENSOR |
| F | FILTER | DPS | DAMPER |
| FIRE | FIRE ALARM SYSTEM | DPS | DIFFERENTIAL PRESSURE SENSOR |
| FRZ | FREEZE STAT | H | HEAT DETECTOR |
| GDS | GAS DETECTION SYSTEM | KW | KILOWATT |
| GPDH | GAS-FIRED DUCT HEATER | KWH | KILOWATT-HOUR |
| HRV | HEAT RECOVERY VENTILATOR | L | LEVEL (PPM OR % LEL) |
| LA | LEAVING AIR | MBD | MANUAL BALANCING DAMPER |
| MA | MIXED AIR | NO2 | NITROGEN DIOXIDE SENSOR |
| OA | OUTDOOR AIR | O/C | OPEN/CLOSE |
| P | POSITION | OVR | OVERRIDE (REFER TO SEQUENCE) |
| PH | PHOTOCELL | POS | POSITION |
| PM | POWER METER | PS | PRESSURE SWITCH |
| RA | RETURN AIR | RH | RELATIVE HUMIDITY (%) |
| RLFA | RELIEF AIR | S | STATUS |
| SA | SUPPLY AIR | SC | SPEED/STAGE CONTROL |
| SF | SUPPLY FAN | SD | SMOKE DETECTOR |
| SL | SLAB | SP | STATIC PRESSURE |
| SM | SMOKE | SPD | SPEED |
| TA | TEMPERED AIR | SS | START/STOP (ENABLE/DISABLE) |
| UH | UNIT HEATER | SW | SWITCH ON/OFF |
| V | VALVE | T | TEMPERATURE |
| VAV | VARIABLE AIR VOLUME TERMINAL UNIT | TS | TEMPERATURE SWITCH (TYPE) |
| ZN | ZONE | V | VOLTAGE |



SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION
MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE:

DESIGNED BY: ELY

DRAWN BY: MMB

CHECKED BY: ICI

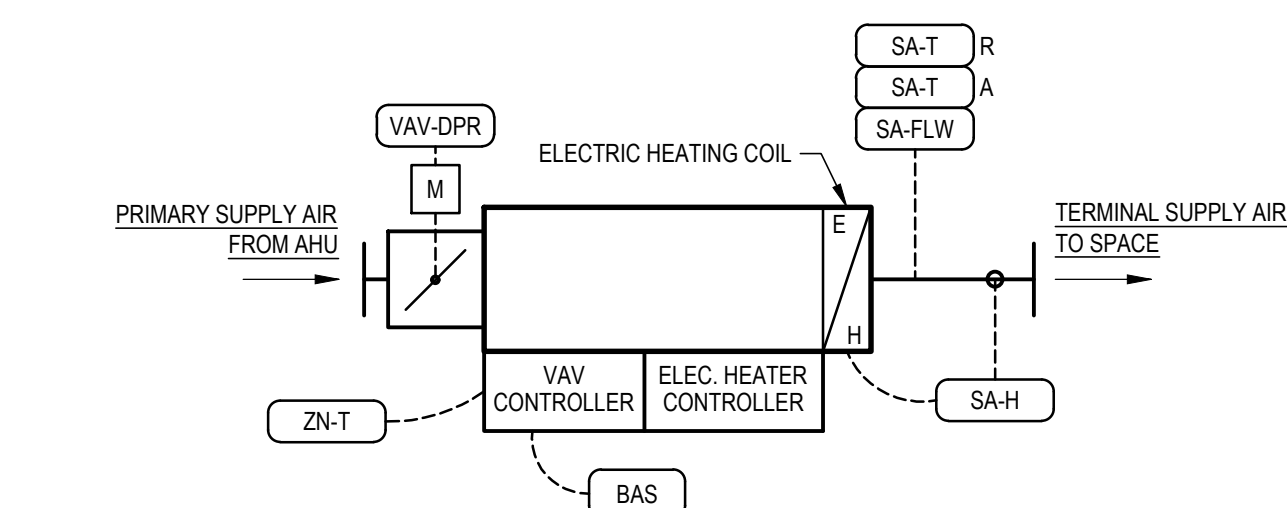
DRAWING TITLE:

**MECHANICAL
CONTROLS**

SHEET NUMBER:

M-701

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SINGLE DUCT VARIABLE AIR VOLUME TERMINAL UNIT (VAV)

A. GENERAL

1. THE VAV TERMINAL UNIT WILL BE VARIABLE VOLUME WITH AN ELECTRIC HEATING COIL. THE AIR DAMPER WILL MODULATE TO ACHIEVE THE DESIRED DISCHARGE AIR FLOW BASED ON THE ZONE TEMPERATURE. THE VAV SCHEDULE LISTS A MIN AND MAX AIRFLOW.
2. DURING COOLING, THE AIR DAMPER WILL VARY THE QUANTITY OF AIR FROM MINIMUM TO MAXIMUM AS NEEDED TO ACHIEVE THE SPACE AIR TEMPERATURE SETPOINT. DURING HEATING, THE AIR DAMPER WILL BE AT THE MINIMUM AIR FLOW POSITION WHILE UTILIZING THE REHEAT COIL. THE MIN PRIMARY AIRFLOW WILL MATCH THE MINIMUM REQUIRED FLOW FOR FRESH AIR AND PRESSURIZATION.
 - 2.1. PROVIDE SPACE TEMPERATURE SENSOR WITH ADJUSTABLE TEMPERATURE SETPOINT FOR ALL VAVS, WITH EXCEPTION TO VAV-5; TEMPERATURE SETPOINT FOR VAV-5 SHALL BE ADJUSTED THROUGH THE BAS ONLY.
 - 2.2. THE VAV BOX SHALL REPORT ITS DAMPER POSITION BACK TO THE ASSOCIATED UNIT TO BE USED BY THE RTU FOR CRITICAL BOX RESET OF SUPPLY AIR TEMPERATURE.
 - 2.3. THE BAS SHALL MONITOR VAV AIRFLOW.

B. OCCUPIED

1. WHEN THE RTU AND SPACE IS IN OCCUPIED MODE, THE VAV TERMINAL UNIT SHALL MODULATE THE MOTOR OPERATED VAV DAMPER AND ELECTRIC HEATING COIL IN ORDER TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. THE VAV TERMINAL UNIT SHALL REPORT VAV-DPR POSITION TO THE BAS FOR USE IN THE RTU CRITICAL BOX RESET SEQUENCE.

COOLING
UPON A RISE IN SPACE TEMPERATURE, THE VAV-DPR SHALL MODULATE PROPORTIONALLY OPEN TO MAINTAIN SPACE TEMPERATURE COOLING SETPOINT (75°F ADJ). AS TEMPERATURE DROPS BELOW SETPOINT, VAV-DPR SHALL MODULATE PROPORTIONALLY CLOSED TO THE MINIMUM AIR FLOW POSITION. WITH SPACE TEMPERATURE WITHIN THE HEATING AND COOLING SETPOINT DEADBAND, THE VAV-DPR SHALL MAINTAIN MINIMUM AIRFLOW POSITION AND THE VAV HEATER SHALL BE DE-ENERGIZED.

HEATING
UPON A DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT (70°F ADJ), THE VAV-DPR SHALL INITIALLY BE AT THE MINIMUM AIRFLOW POSITION AND THE HEATING COIL SHALL MODULATE TO MAINTAIN THE SCHEDULED DISCHARGE AIR TEMPERATURE. UPON A CONTINUED DROP IN TEMPERATURE, THE VAV-DPR SHALL MODULATE UP TO THE MAXIMUM SCHEDULED HEATING AIRFLOW AND THE HEATING COIL SHALL CONTINUE TO MAINTAIN THE SCHEDULED DISCHARGE AIR TEMPERATURE. UPON A RISE IN SPACE TEMPERATURE, THE HEATING SEQUENCE SHALL BE REVERSED UNTIL VAV-DPR IS AT MINIMUM AIRFLOW POSITION AND THE HEATING COIL IS DE-ENERGIZED.

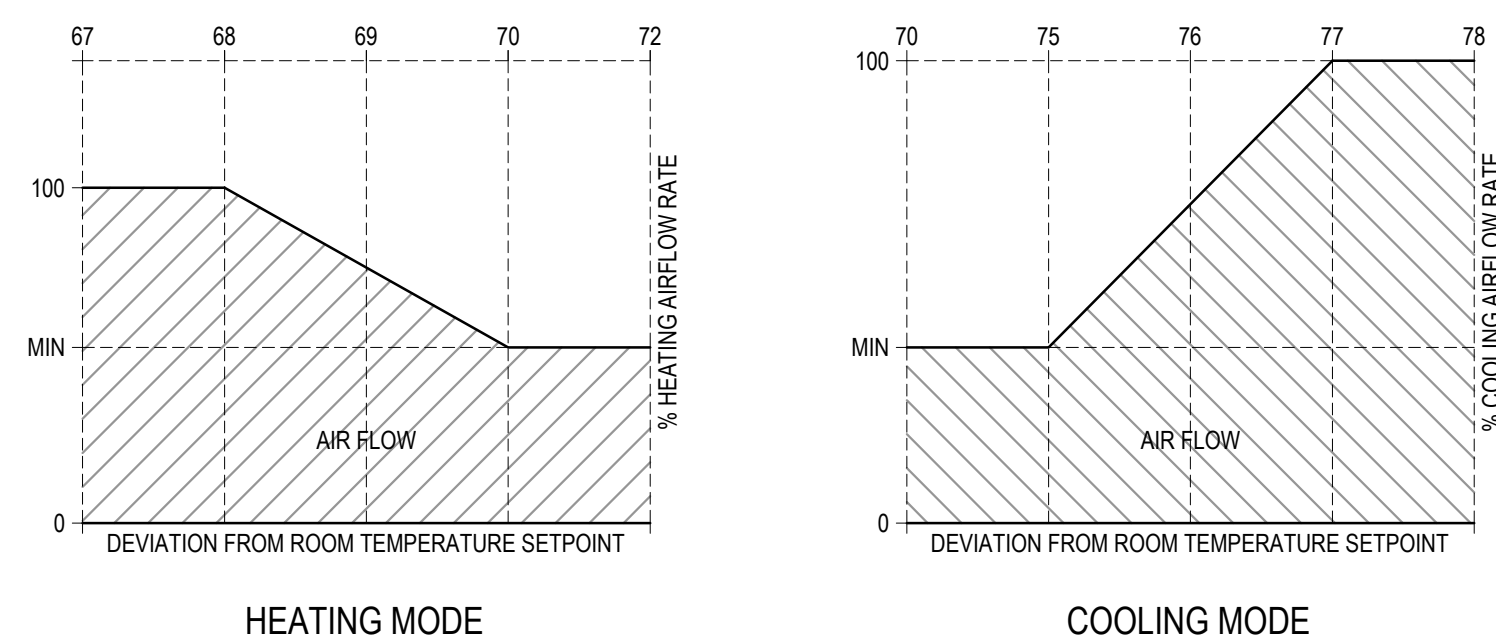
C. UNOCCUPIED

1. WHEN THE RTU AND SPACE IS IN UNOCCUPIED MODE, THE VAV-DPR SHALL CONTROL UNDER THE NORMAL OCCUPIED SEQUENCE WITH ADJUSTED UNOCCUPIED MODE SPACE SETPOINTS FOR HEATING (68°F ADJ.) AND COOLING (80°F ADJ.). SPACE CONDITIONS OUTSIDE OF THE UNOCCUPIED SETPOINTS SHALL ENERGIZE THE RTU. THE TERMINAL UNIT SHALL OPERATE AS IN OCCUPIED MODE WITH THE VAV-DPR AND HEATING COIL MODULATING TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE SETPOINTS. THE RTU SHALL DE-ENERGIZE ONCE ALL ZONES ARE WITHIN UNOCCUPIED MODE SETPOINTS.

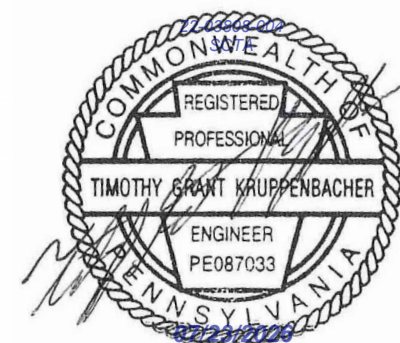
D. SAFETY

1. CRITICAL AIRFLOW ALARM
 2. DAMPER FAILURE ALARM
 3. HIGH/LOW TEMPERATURE ALARM
- 3.1. IF THE SUPPLY AIR HEAT DETECTOR (SA-H) SENSES A TEMPERATURE GREATER THAN 120° F, THE HEATER SHALL BE DISABLED, THE VAV-DPR SHALL REMAIN AT IT MINIMUM SCHEDULED SETPOINT AND AN ALARM SHALL BE GENERATED AT THE BAS.

VAV-DPR AIR FLOW GRAPHICAL REPRESENTATION



SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

SOUTH CENTRAL
TRANSIT AUTHORITY

45 ERICK ROAD
LANCASTER PA 17601

	07/23/2026	100% SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE

DESIGNED BY: EL

DRAWN BY: MM

CHECKED BY: ICI

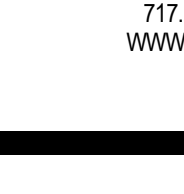
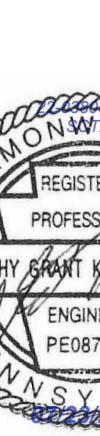
DRAWING TITLE:

MECHANICAL CONTROLS

SHEET NUMBER

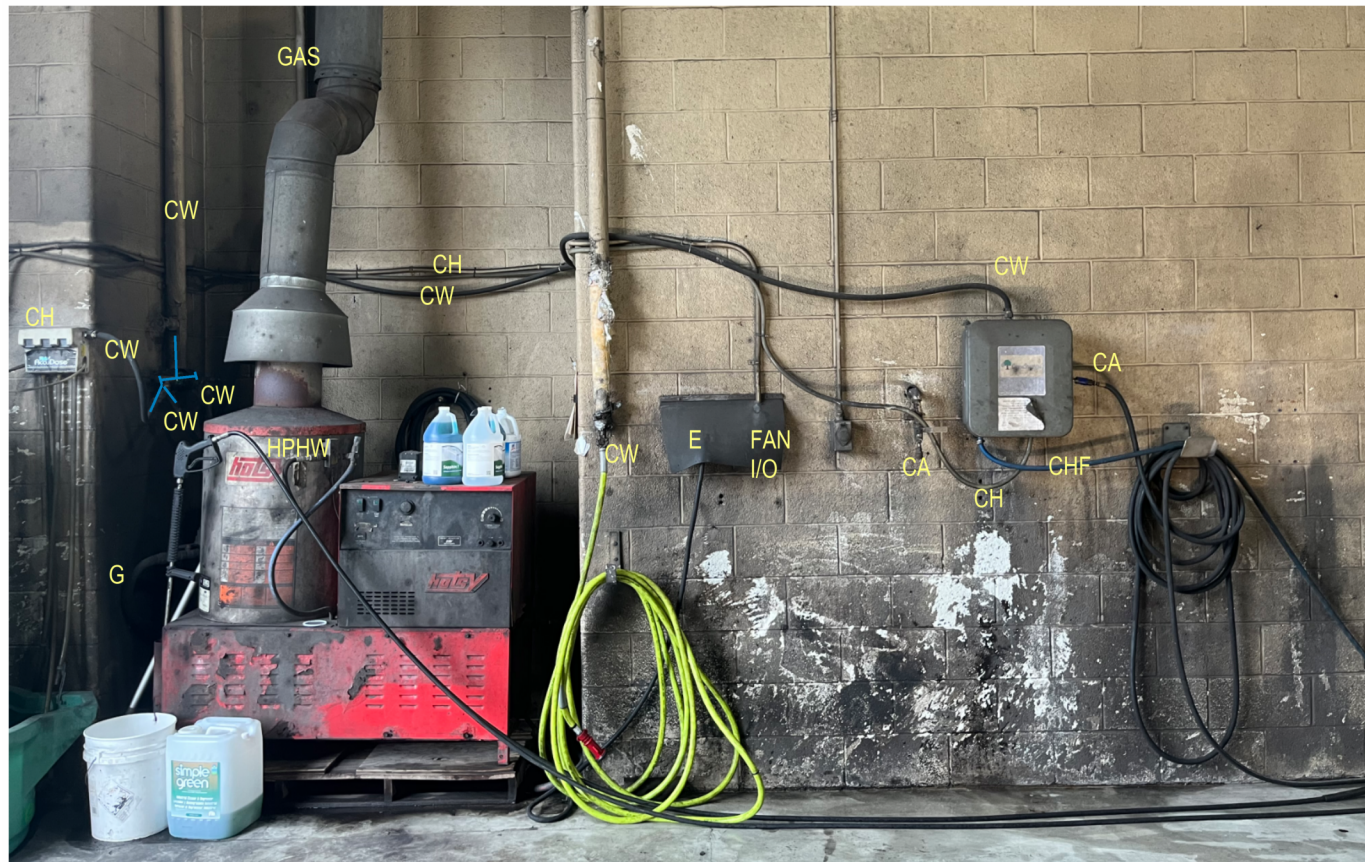
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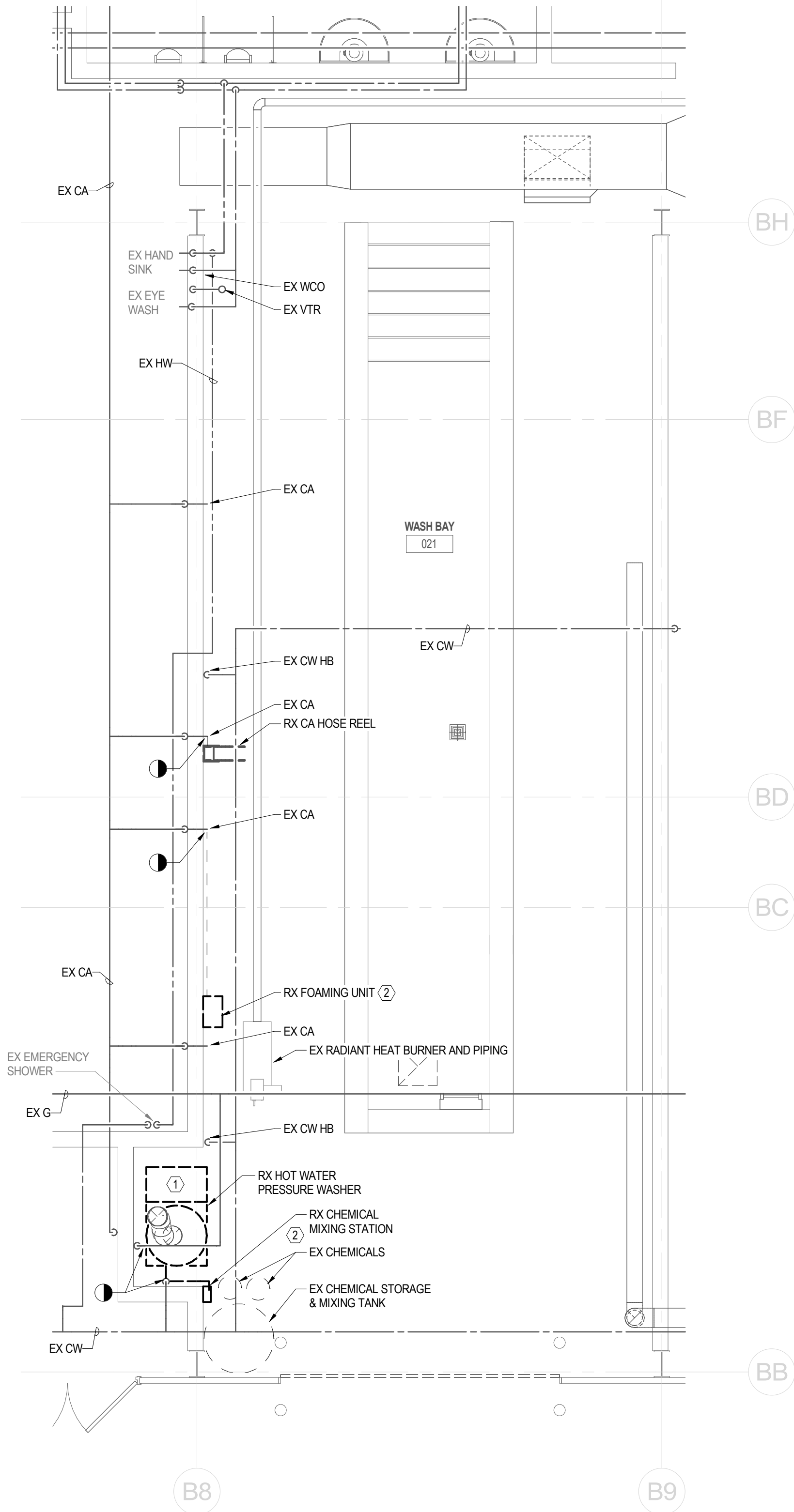
 JOHNSON, MIRMAN & THOMPSON, INC. 220 ST. CHARLES WAY, SUITE 200 YORK, PA 17402 717.741.1600 WWW.JMT.COM		
SEAL:		
		
PROJECT:		
SOUTH CENTRAL TRANSIT AUTHORITY DRIVER BREAKROOM AND ENGINE WASH BAY 1700 N. 11TH STREET READING PA 19604		
PREPARED FOR:		
SOUTH CENTRAL TRANSIT AUTHORITY 45 ERICK ROAD LANCASTER PA 17601		
	07/23/2026	100% SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NO: 22-03808-004		
DATE: 07/23/2026		
SCALE: 12" = 1'-0"		
DESIGNED BY: MMB		
DRAWN BY: BFL		
CHECKED BY: ICI		
DRAWING TITLE:		
PLUMBING ABBREVIATIONS, LEGEND, AND GENERAL NOTES		
SHEET NUMBER:		
P-001		



2 EXISTING ENGINE WASH BAY - IMAGE A
NOT TO SCALE



3 EXISTING ENGINE WASH BAY - IMAGE B
NOT TO SCALE



1 PLUMBING DEMOLITION - ENGINE WASH BAY FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY MECHANICAL AND RELATED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED SHALL BE REMOVED AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL REMAIN.
4. COORDINATE REMOVAL OF ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC AND NEW WORK PLANS. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.

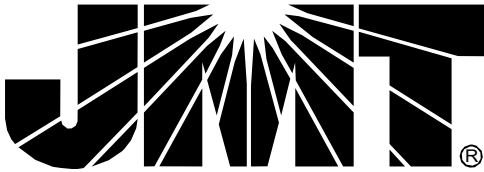
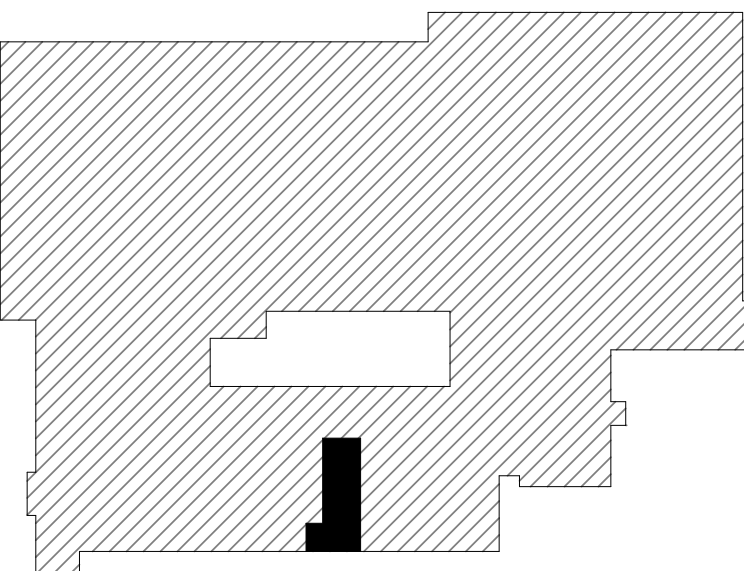
SHEET KEYNOTES:

- 1 REMOVE EXISTING HOT WATER PRESSURE WASHER; DISCONNECT EXISTING GAS, WATER, AND ELECTRICAL; COORDINATE FLUE REMOVAL WITH THE GC.
- 2 REMOVE EXISTING CHEMICAL MIXING STATION, FOAMING UNIT, AND ASSOCIATED PIPING. EXISTING CHEMICAL CLEANING EQUIPMENT TO BE RETURNED TO THE OWNER UNLESS OTHERWISE DIRECTED BY THE GC. COORDINATE EXISTING SYSTEMS AND EQUIPMENT TYPE WITH NEW WORK REQUIREMENTS AND THE GC; REFER TO SPECIFICATIONS AND NEW WORK DRAWINGS.

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

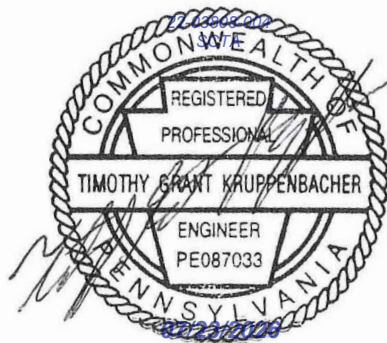
KEYPLAN

PLAN NORTH



JOHNSON, MIRMAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: MMB

DRAWN BY: BFL

CHECKED BY: ICI

DRAWING TITLE:

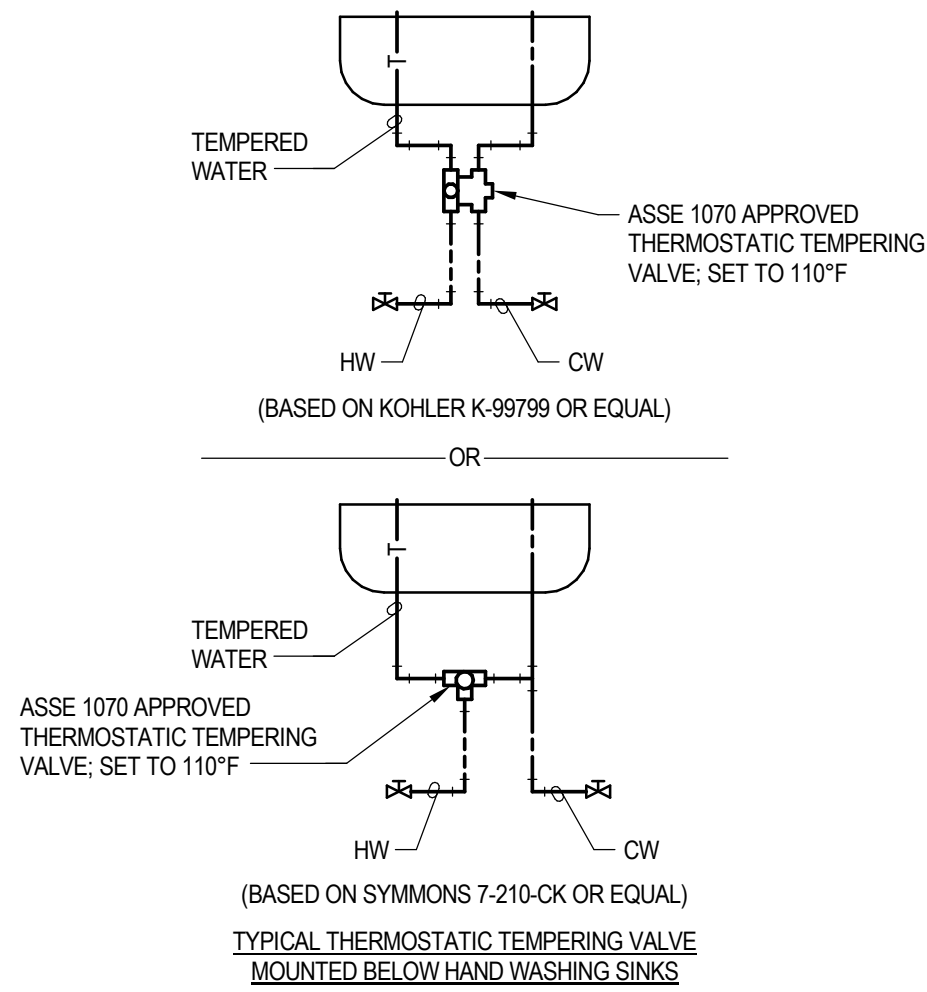
**PLUMBING DEMOLITION
FLOOR PLAN - ENGINE
WASH BAY**

SHEET NUMBER:

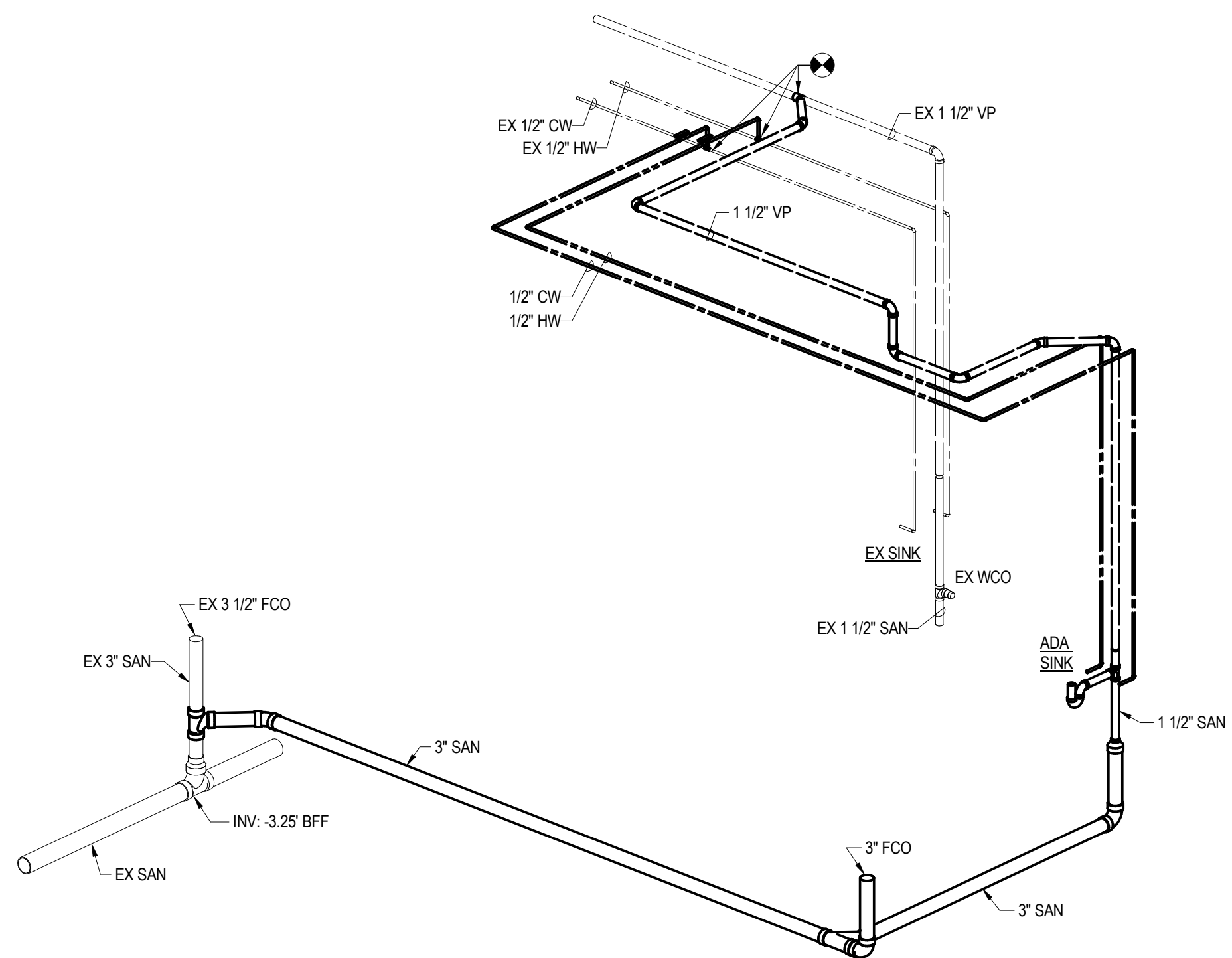
PD-101

DIVISION 21 FIRE PROTECTION NOTES:

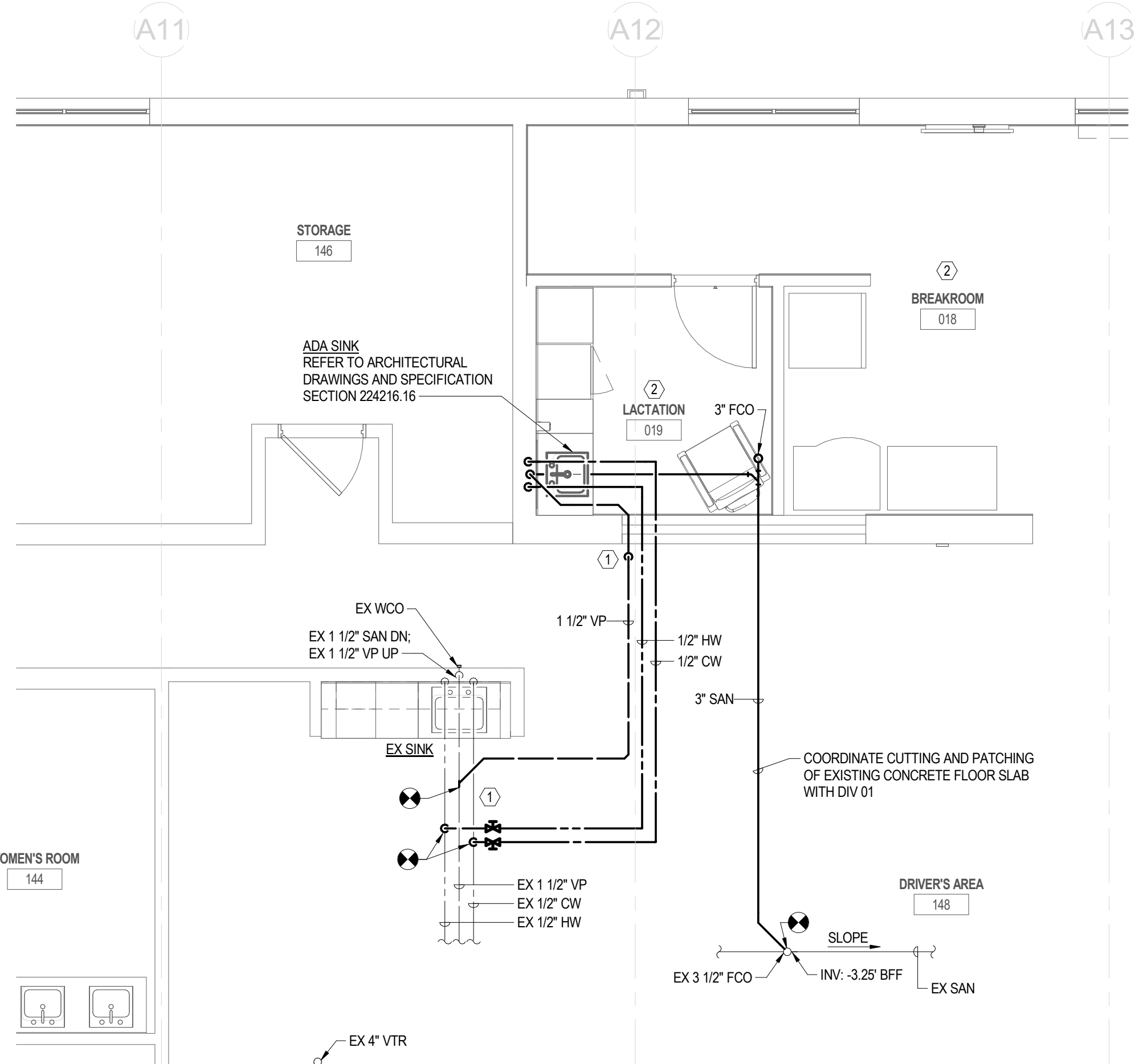
1. THE GENERAL SCOPE OF THIS PORTION OF THE PROJECT SHALL CONSIST OF PROVIDING A DELEGATED DESIGN FOR RELOCATION OF SPRINKLER HEADS TO MEET THE CODE REQUIREMENTS FOR THE PROPOSED OCCUPANCY AND ARCHITECTURAL FLOOR PLAN. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED AND INSTALLED IN FULL ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, NFPA 14, FIRE MARSHAL REQUIREMENTS, AND THE SPECIFICATIONS.
2. THE CONTRACTOR IS TO PROVIDE A COMPLETE DESIGN INCLUDING PIPE SIZES AND FINAL ROUTING.
3. ALL AREAS SHALL BE CLASSIFIED AS ORDINARY HAZARD, GROUP 1, UNLESS OTHERWISE DESIGNED BY AUTHORITIES HAVING JURISDICTION OR AS INDICATED ON PLANS. REFER TO SPECIFICATIONS FOR MINIMUM DENSITY REQUIREMENTS FOR SPRINKLER HYDRAULIC DESIGN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEMS. FINAL DESIGN OF THE SYSTEMS SHALL BE COORDINATED WITH FIELD CONDITIONS AND AVAILABLE WATER SUPPLY.
5. SHOP DRAWINGS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS, INCLUDING PLANS, SECTIONS, DETAILS AND ELEVATIONS AS REQUIRED.
6. THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY PARTS AND ACCESSORIES EVEN THOUGH THE PARTS AND ACCESSORIES ARE NOT SPECIFICALLY MENTIONED OR SHOWN HEREIN IN ACCORDANCE WITH NFPA 13.
7. THE SPRINKLER SYSTEM PIPING SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH NFPA 13.
8. PIPE HANGERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA.
9. ALL HANGER MATERIALS SHALL BE UL LISTED AND/OR FM APPROVED.
10. FLUSHING CONNECTIONS SHALL BE PROVIDED ON THE SPRINKLER SYSTEM PIPING PER NFPA 13.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS. ALL ITEMS OF EQUIPMENT SHALL BE INSTALLED BY ON-THE-JOB MEASUREMENTS AND COORDINATED WITH ALL OTHER TRADES. UNDER NO CIRCUMSTANCES SHALL THE DRAWINGS BE SCALED.
12. ALL FITTINGS SHALL BE 175 WWP.
13. ALL SPRINKLER PIPING IN FINISHED CEILING AREAS SHALL BE INSTALLED ABOVE THE CEILINGS. REFER TO THE ARCHITECTURAL DRAWINGS CEILING TYPES.
14. CONTRACTOR TO COORDINATE SPRINKLER HEAD LAYOUT WITH LIGHT, DIFFUSER, AND COMMUNICATION DEVICE LOCATIONS.
15. ALL SPRINKLER HEADS IN FINISHED ARCHITECTURAL SPACE SHALL BE PROVIDED WITH ESCUTCHEON COVERS. ALL SPRINKLER HEADS IN SUSPENDED CEILING SHALL BE LOCATED IN THE CENTER OF CEILING TILES.



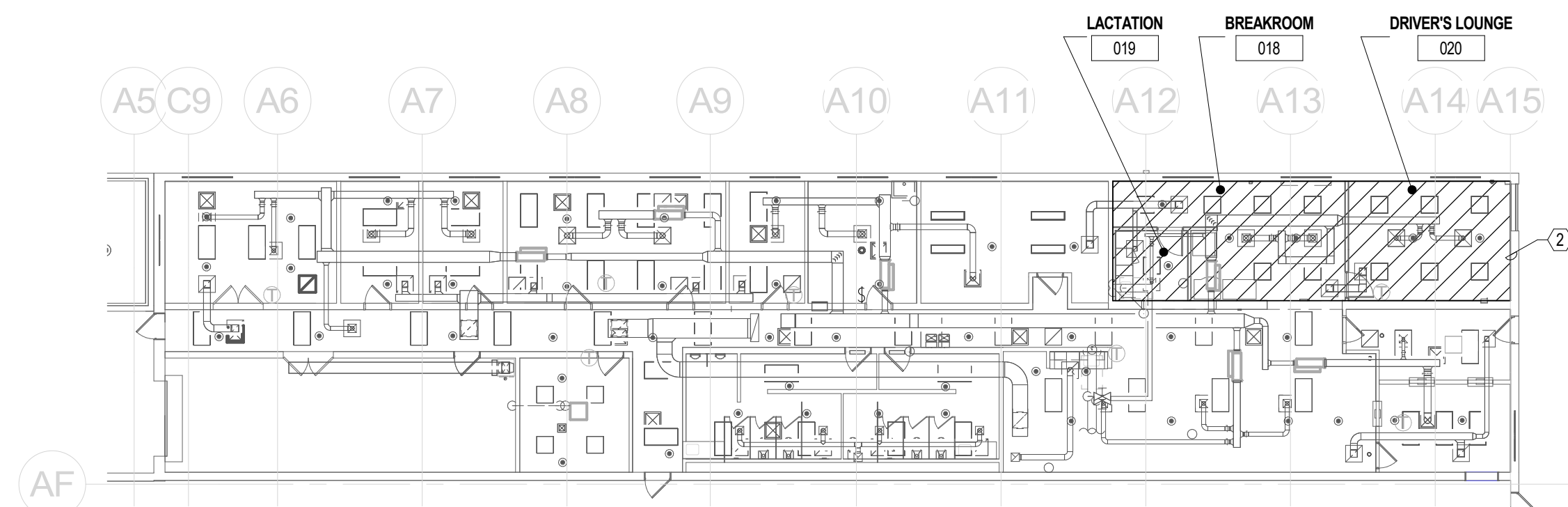
2 THERMOSTATIC MIXING VALVE
NOT TO SCALE



3 PLUMBING RISER - DRIVERS AREA
NOT TO SCALE



1 PLUMBING NEW WORK - DRIVERS AREA FLOOR PLAN
SCALE: 1/4" = 1'-0"



4 FIRE PROTECTION (DIV 21 DELEGATED DESIGN)
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL BE EXISTING TO REMAIN.
3. DO NOT LOCATE PIPING WITHIN DEDICATED ELECTRICAL SPACE ABOVE ELECTRICAL PANELS OR EQUIPMENT. REFER TO SHEET M00-001 FOR MECHANICAL LEGEND AND GENERAL NOTES.
4. COORDINATE ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.

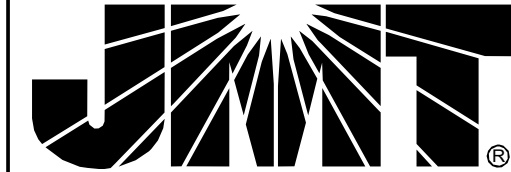
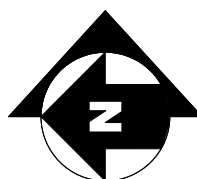
SHEET KEYNOTES:

- 1 COORDINATE ROUTING OF PIPING WITH EXISTING CONDITIONS AND THE DUCTWORK PROVIDED UNDER DIV. 23.
- 2 COORDINATE WORK IN THIS AREA WITH FIRE PROTECTION CONTRACTOR AND THE DELEGATED DESIGN PROVIDED UNDER DIV. 21 TO RELOCATE SPRINKLER HEAD LOCATIONS AND ASSOCIATED PIPING, REFER TO ARCHITECTURAL RCP, MECHANICAL DUCTWORK PLANS, AND SPECIFICATIONS.

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

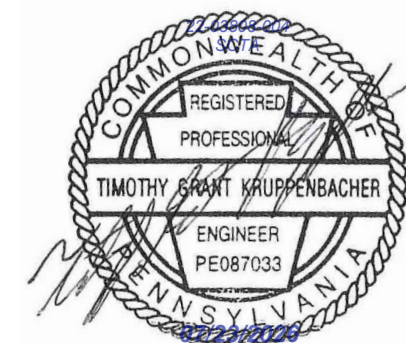
KEYPLAN

PLAN NORTH



JOHNSON, MIRMAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: MMB

DRAWN BY: BFL

CHECKED BY: ICI

DRAWING TITLE:

**PLUMBING NEW WORK
FLOOR PLAN - DRIVERS
AREA**

SHEET NUMBER:

P-101

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_ SCTA-BARTA_MEP_R2024.rvt
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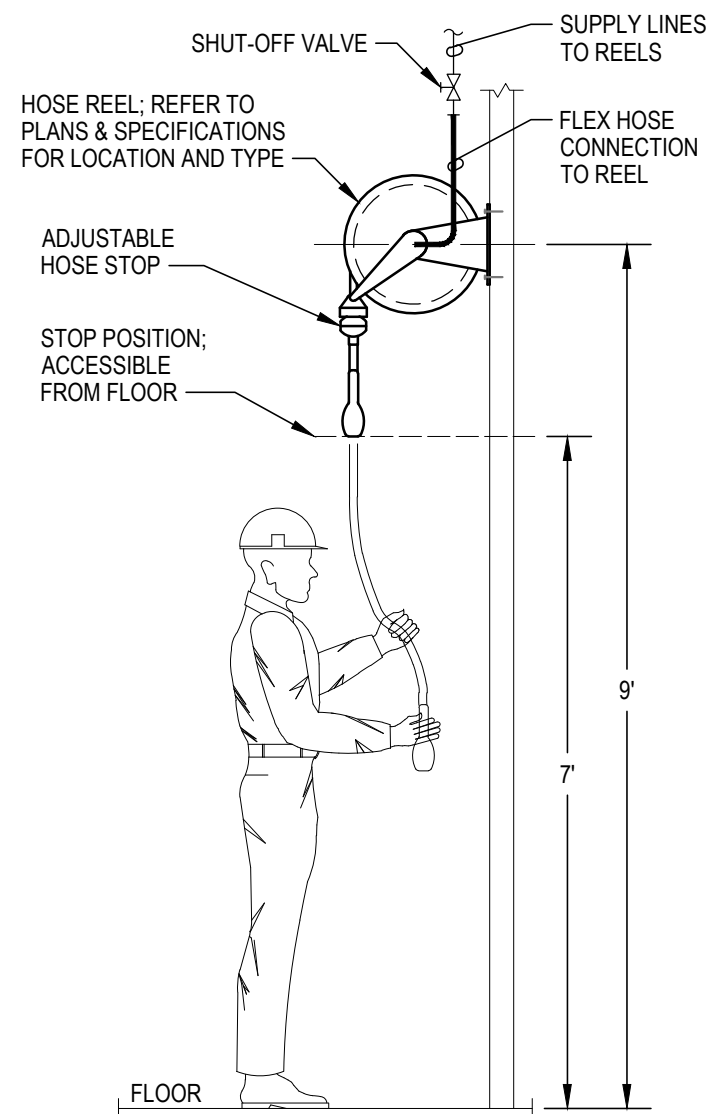
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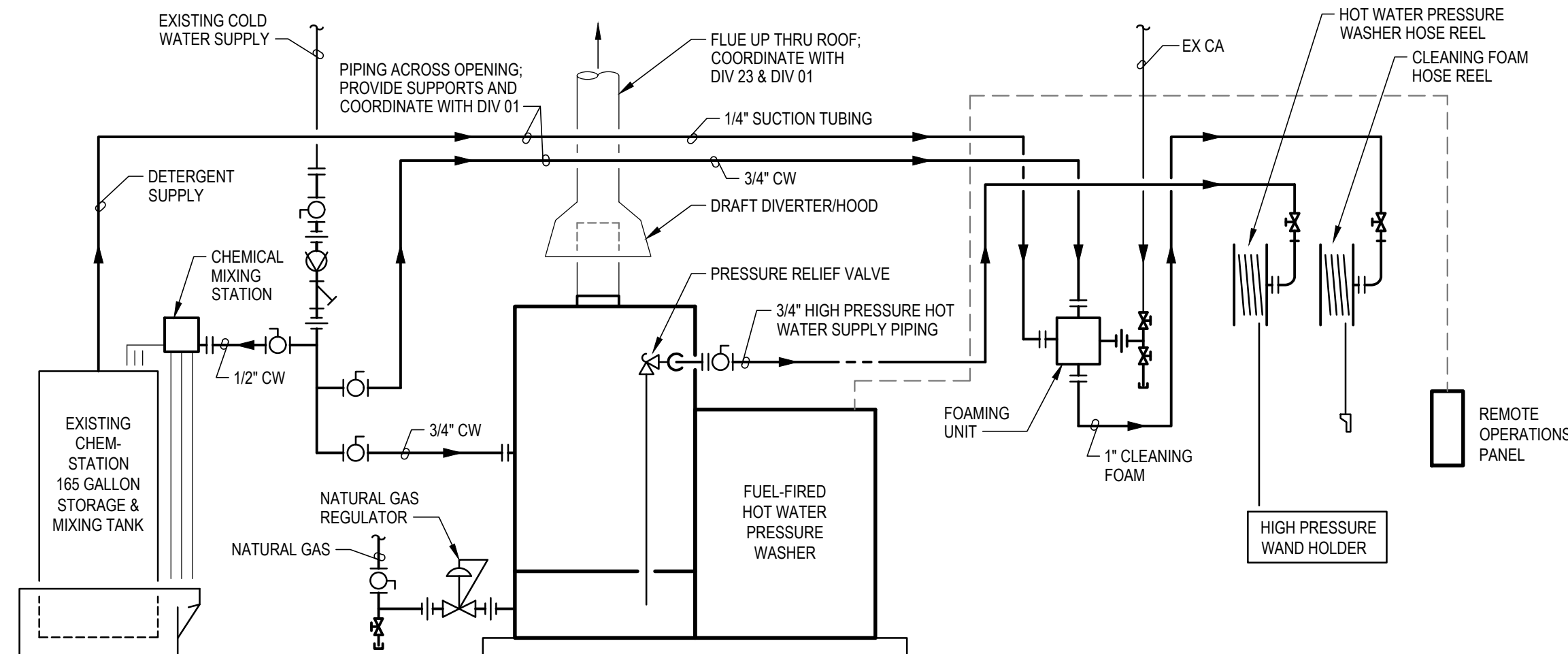
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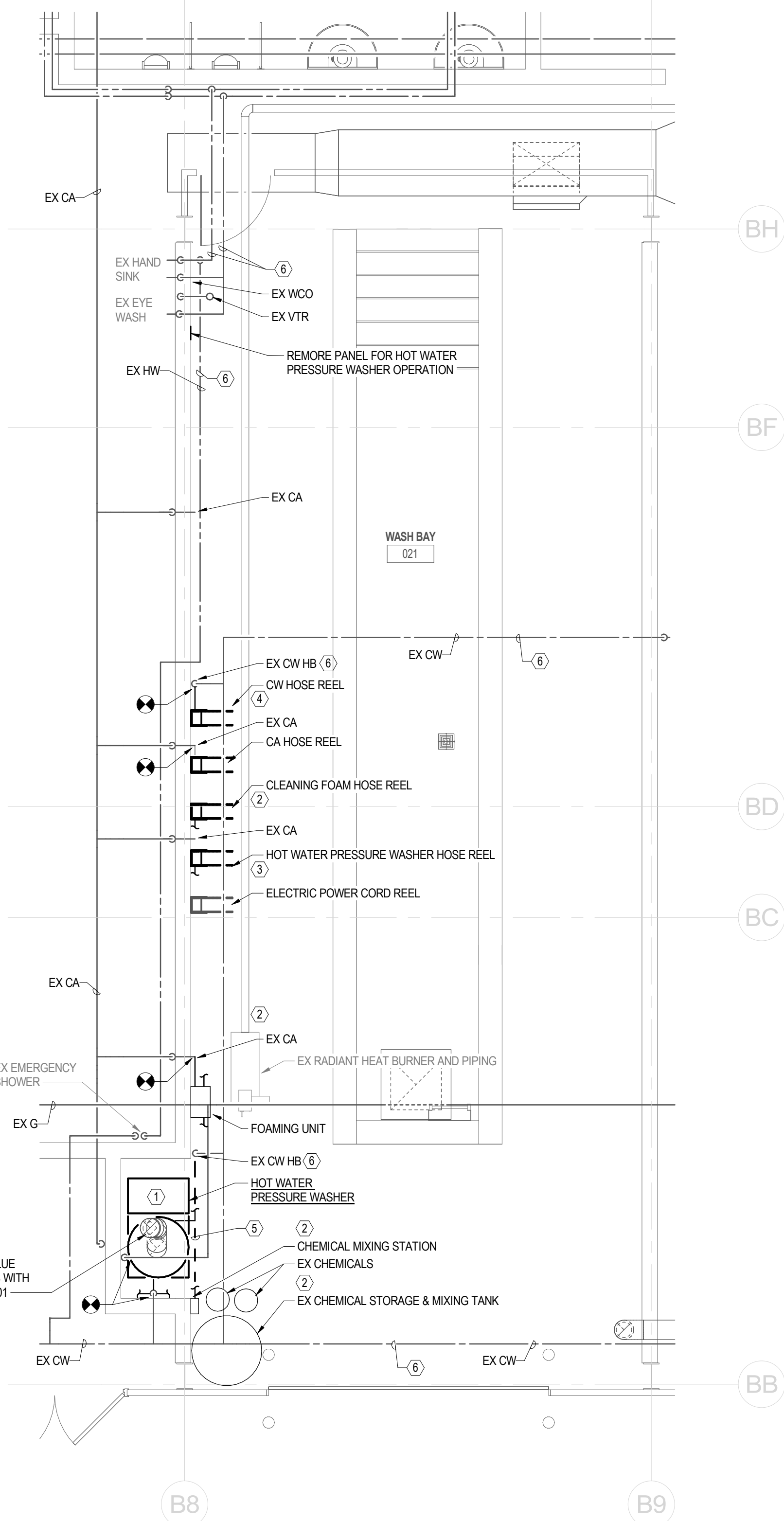


3 WALL MOUNTED HOSE REEL
SCALE: NONE



- NOTES:
- COORDINATE CONNECTION REQUIREMENTS WITH FIELD CONDITIONS AND MANUFACTURERS PIPING METHODS.
 - REFER TO SPECIFICATIONS FOR FLUE AND PIPING REQUIREMENTS.

2 HOT WATER PRESSURE WASHER & CHEMICAL SUPPLY DIAGRAM
SCALE: NONE



1 PLUMBING NEW WORK - ENGINE WASH BAY FLOOR PLAN
SCALE: 1/4\"/>

GENERAL NOTES:

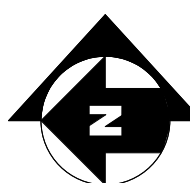
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- UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID SHALL BE EXISTING TO REMAIN.
- DO NOT LOCATE PIPING WITHIN DEDICATED ELECTRICAL SPACE ABOVE ELECTRICAL PANELS OR EQUIPMENT. REFER TO SHEET M00-001 FOR MECHANICAL LEGEND AND GENERAL NOTES.
- COORDINATE ROOF MOUNTED EQUIPMENT AND ACCESSORIES WITH THE WITH THE GC. REPAIR OF THE EXISTING ROOF SYSTEMS SHALL BE BY THE GC.

SHEET KEYNOTES:

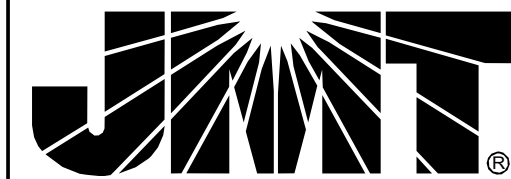
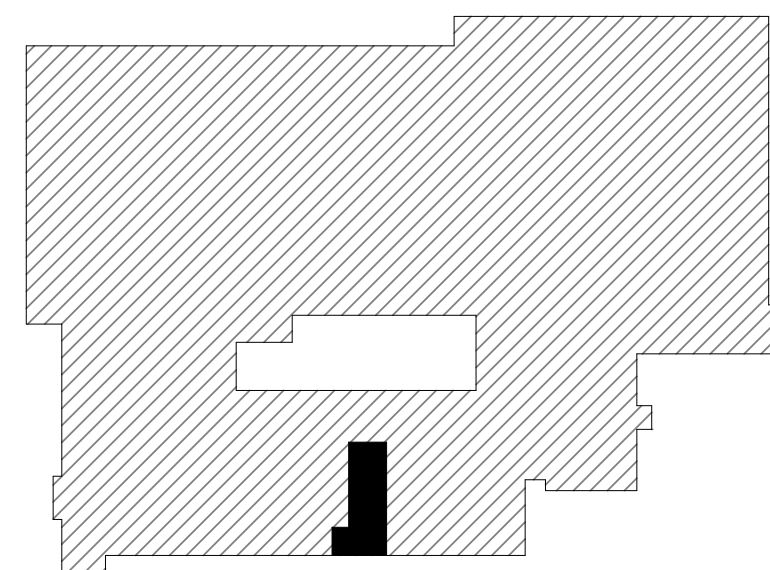
- HOT WATER PRESSURE WASHER
BASE OF DESIGN: HOTSY, MODEL: 1832SS-208; 6.0 GPM, 3000 PSI, 558 MBH NATURAL GAS BURNER; 200V/3PH; 41 A; 825 LBS, 10\"/>
- PROVIDE CHEMICAL MIXING STATION AND FOAMING EQUIPMENT; PROVIDE HARD PIPE CONNECTIONS TO FOAMING UNIT AND ASSOCIATED HOSE REEL. REFER TO SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS.
- PROVIDE HIGH PRESSURE HOT WATER PIPING CONNECTION TO HOSE REEL.
- PROVIDE COLD WATER PIPING CONNECTION TO HOSE REEL.
- PROVIDE PIPING SUPPORT TO SPAN OPENING; COORDINATE MOUNTING HEIGHT WITH FLUE AND ACCESS TO THE HOT WATER PRESSURE WASHER; PIPING SHALL BE ROUTED ALONG THE SUPPORT TO AVOID ADDITIONAL BENDS OR BEING ROUTED BEHIND THE PRESSURE WASHER.
- PROVIDE NEW INSULATION AND PVC JACKET FOR EXISTING DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPING LOCATED WITHIN THE WASH BAY.

2' 0' 2' 4'
SCALE: 1/4\"/>

PLAN NORTH

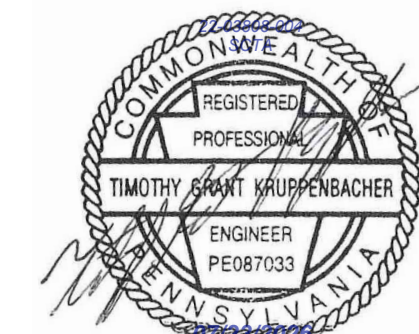


KEYPLAN



JOHNSON, MIRMIAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
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SEAL:



PROJECT:

**SOUTH CENTRAL
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DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
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PREPARED FOR:

**SOUTH CENTRAL
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45 ERICK ROAD
LANCASTER PA 17601

07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: MMB

DRAWN BY: BFL

CHECKED BY: ICI

DRAWING TITLE:

**PLUMBING NEW WORK
FLOOR PLAN - ENGINE
WASH BAY**

SHEET NUMBER:

P-102

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1

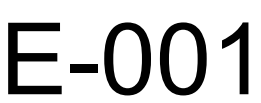
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3

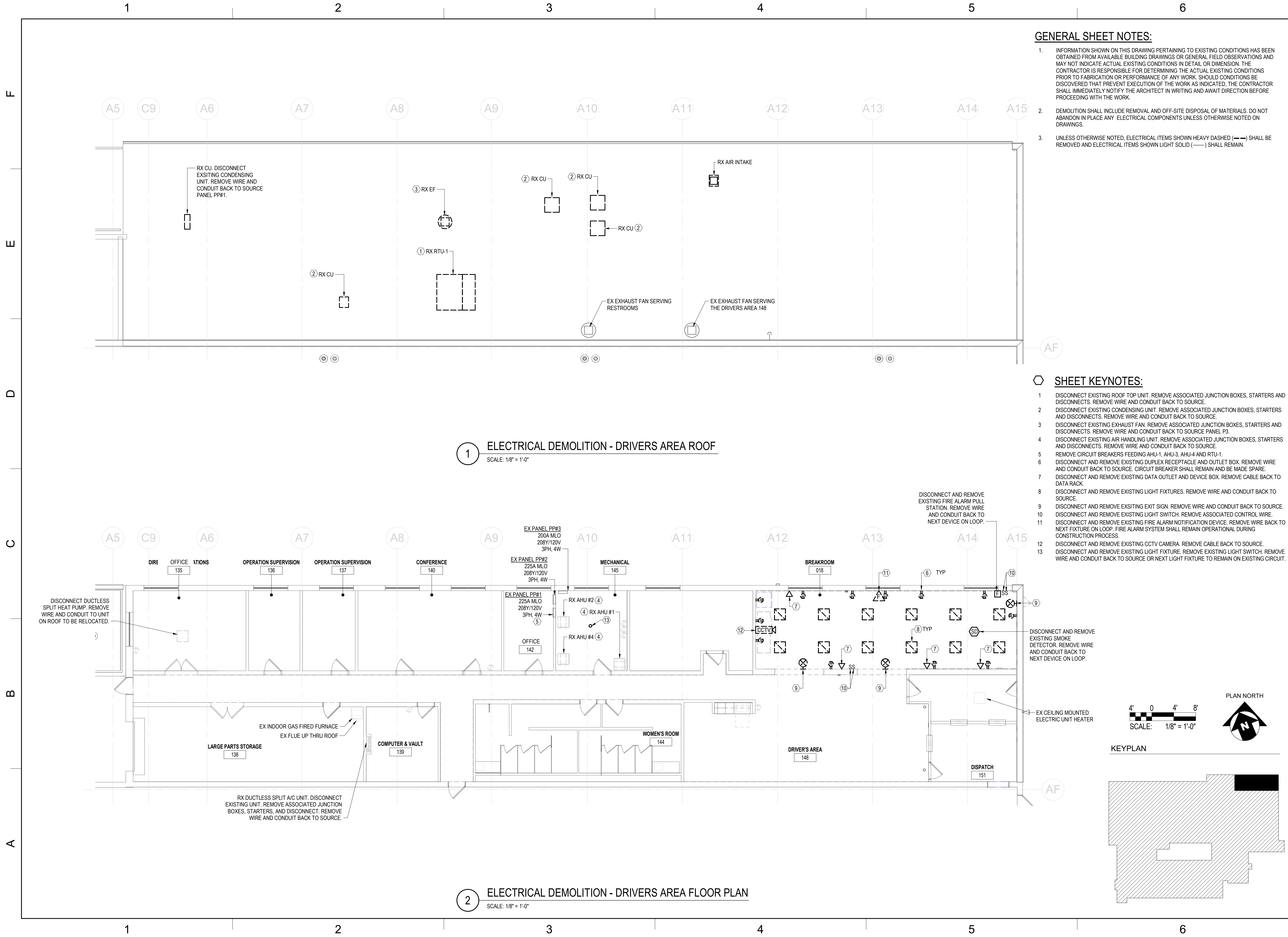
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6



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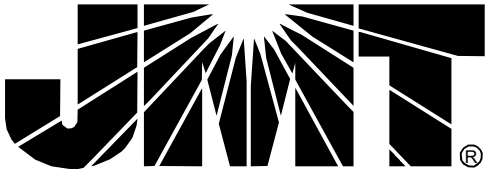


GENERAL SHEET NOTES:

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2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (---) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (—) SHALL REMAIN.

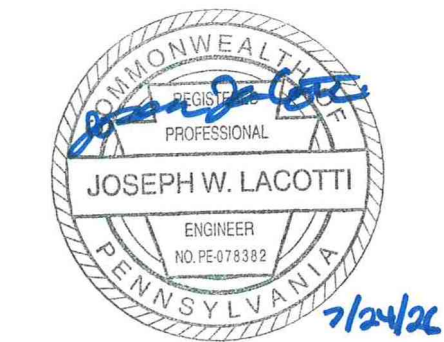
SHEET KEYNOTES:

1. DISCONNECT EXISTING ROOF TOP UNIT. REMOVE ASSOCIATED JUNCTION BOXES, STARTERS AND DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
2. DISCONNECT EXISTING CONDENSING UNIT. REMOVE ASSOCIATED JUNCTION BOXES, STARTERS AND DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
3. DISCONNECT EXISTING EXHAUST FAN. REMOVE ASSOCIATED JUNCTION BOXES, STARTERS AND DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO SOURCE PANEL P3.
4. DISCONNECT EXISTING AIR HANDLING UNIT. REMOVE ASSOCIATED JUNCTION BOXES, STARTERS AND DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
5. REMOVE CIRCUIT BREAKERS FEEDING AHU-1, AHU-3, AHU-4 AND RTU-1.
6. DISCONNECT AND REMOVE EXISTING DUPLEX RECEPTACLE AND OUTLET BOX. REMOVE WIRE AND CONDUIT BACK TO SOURCE. CIRCUIT BREAKER SHALL REMAIN AND BE MADE SPARE.
7. DISCONNECT AND REMOVE EXISTING DATA OUTLET AND DEVICE BOX. REMOVE CABLE BACK TO DATA RACK.
8. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
9. DISCONNECT AND REMOVE EXISTING EXIT SIGN. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
10. DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. REMOVE ASSOCIATED CONTROL WIRE.
11. DISCONNECT AND REMOVE EXISTING FIRE ALARM NOTIFICATION DEVICE. REMOVE WIRE BACK TO NEXT FIXTURE ON LOOP. FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION PROCESS.
12. DISCONNECT AND REMOVE EXISTING CCTV CAMERA. REMOVE CABLE BACK TO SOURCE.
13. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING LIGHT SWITCH. REMOVE WIRE AND CONDUIT BACK TO SOURCE OR NEXT LIGHT FIXTURE TO REMAIN ON EXISTING CIRCUIT.



JOHNSON, MIRMAN & THOMPSON, INC.
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YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026	100% SUBMISSION
MARK	DATE DESCRIPTION

PROJECT NO:	22-03808-004
DATE:	07/23/2026
SCALE:	As indicated
DESIGNED BY:	AMK
DRAWN BY:	AMK
CHECKED BY:	JWL

DRAWING TITLE:

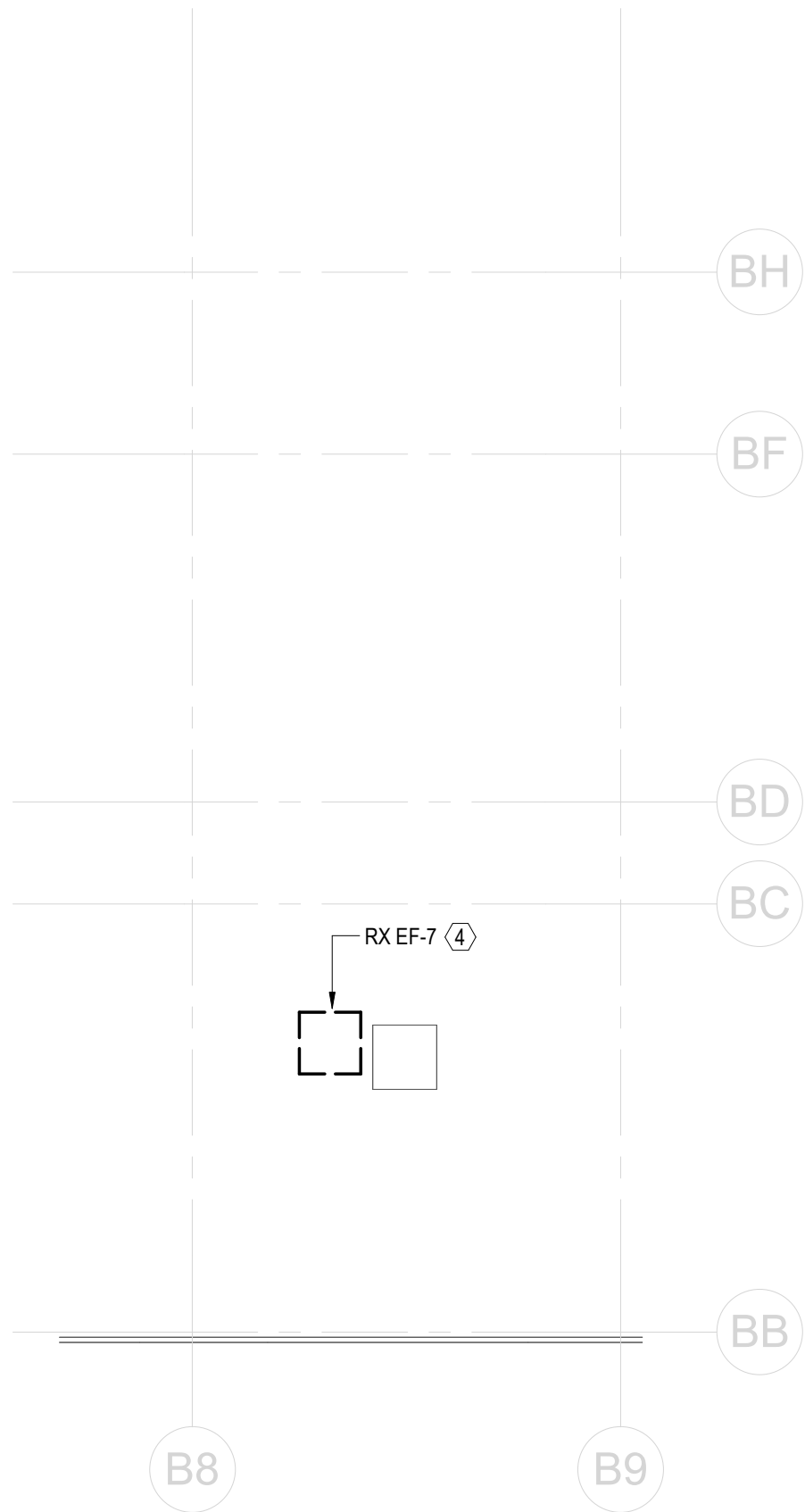
**ELECTRICAL
DEMOLITION FLOOR
PLANS - DRIVERS AREA**

SHEET NUMBER:

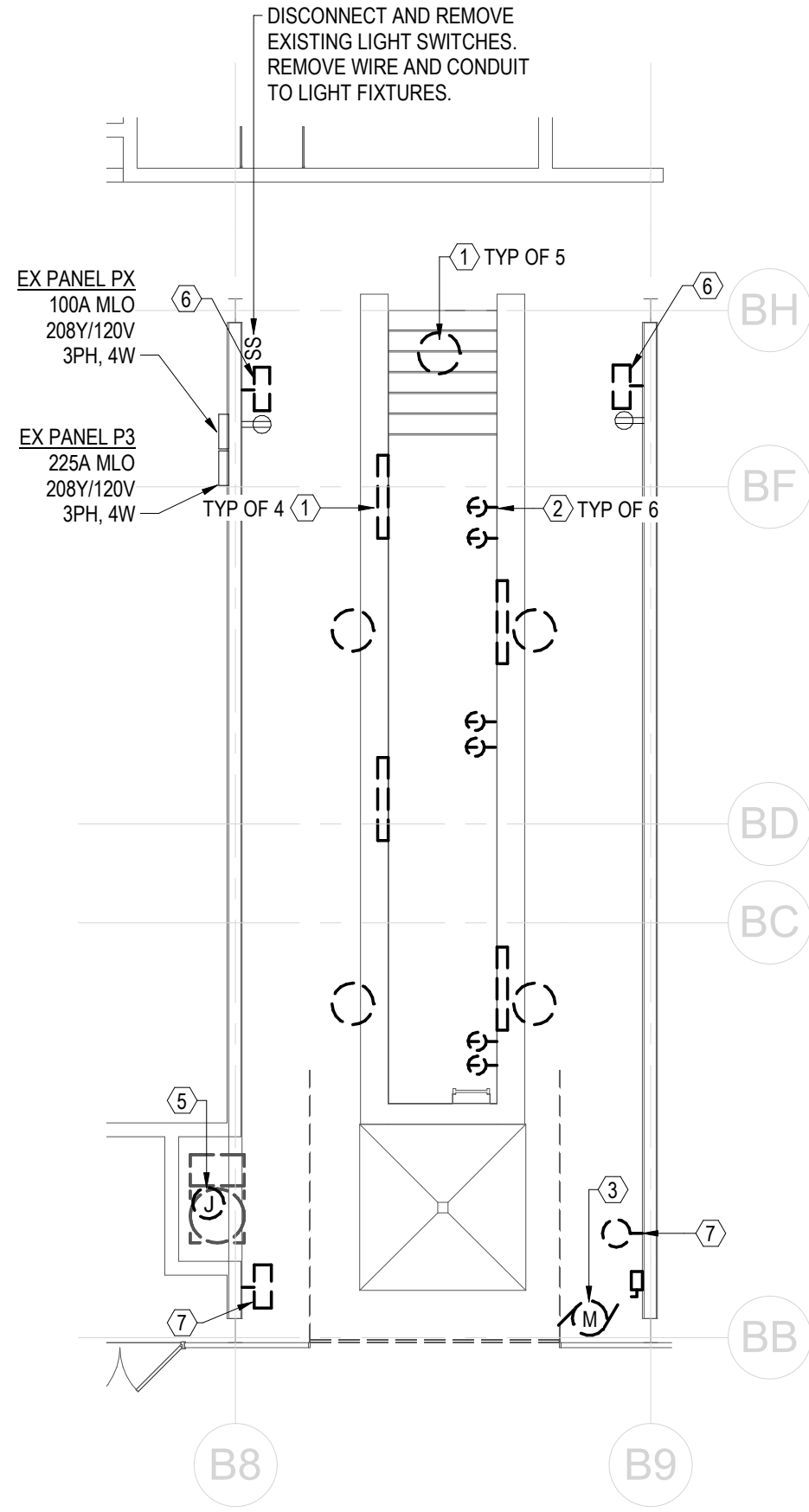
ED-101

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_ SCTA-BARTA MEP_R2024.rvt
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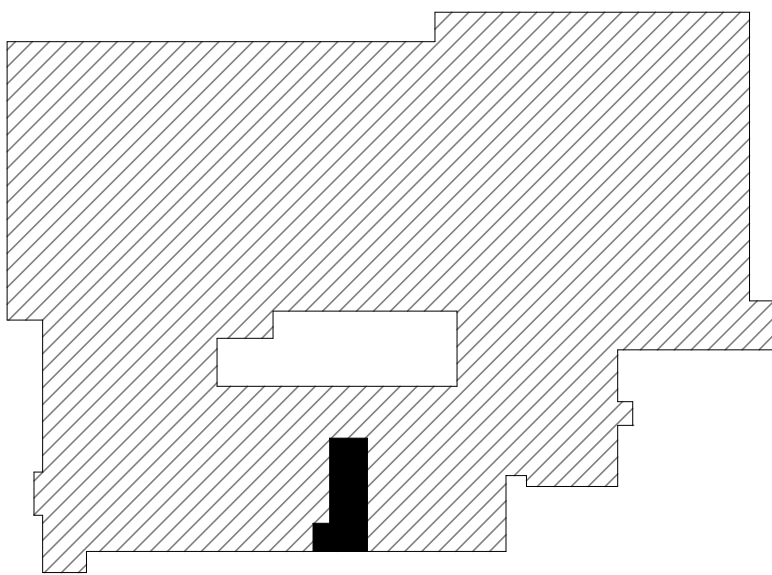
1 ELECTRICAL DEMOLITION - ENGINE WASH BAY ROOF
SCALE: 1/8" = 1'-0"



2 ELECTRICAL DEMOLITION - ENGINE WASH BAY FLOOR PLAN
SCALE: 1/8" = 1'-0"



KEYPLAN

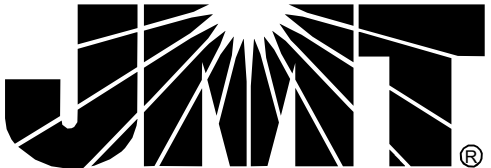


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2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (---) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (—) SHALL REMAIN.

SHEET KEYNOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
2. DISCONNECT AND REMOVE EXISTING RECEPTACLES. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
3. DISCONNECT AND REMOVE OVER HEAD DOOR MOTOR AND ASSOCIATED DISCONNECT SWITCH AND CONTROLLER. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
4. DISCONNECT EXISTING EXHAUST FAN. REMOVE ASSOCIATED JUNCTION BOXES, STARTERS AND DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO SOURCE PANEL P3.
5. DISCONNECT EXISTING HOTSY WASHER. REMOVE ASSOCIATED JUNCTION BOXES, STARTERS AND DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO PANEL PX.
6. UNPLUG AND REMOVE WORK LIGHT. TURN WORK LIGHT OVER TO OWNER. RETAIN RECEPTACLE FOR RE-USE.
7. UNPLUG AND REMOVE WORK LIGHT. TURN WORK LIGHT OVER TO OWNER. REMOVE WIRE AND CONDUIT BACK TO SOURCE.



JOHNSON, MIRIRAN & THOMPSON, INC.
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SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: AMK

DRAWN BY: AMK

CHECKED BY: JWVL

DRAWING TITLE:

**ELECTRICAL
DEMOLITION FLOOR
PLANS - ENGINE WASH
BAY**

SHEET NUMBER:

ED-102

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LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	LUMENS	WATTS	CCT	CRI	VOLTAGE
A	2'x2' LED TROFFER; RECESSED; CURVED RIBBED DIFFUSER; WHITE FINISH	LITHONIA LIGHTING	2BLT2-33L-ADP-EZ1-LP840	3300	27	4000	80	120
AE	2'x2' LED TROFFER; RECESSED; CURVED RIBBED DIFFUSER; WHITE FINISH; INTEGRAL EMERGENCY BATTERY PACK	LITHONIA LIGHTING	2BLT2-33L-ADP-EZ1-LP840-E10W	3300	27	4000	80	120
	LED EDGE LIT EXIT SIGN; RED LETTERS ON MIRROR BACKGROUND	LITHONIA LIGHTING	EDG-1-RMR-EL	N/A	3	RED LED	RED LED	120

GENERAL SHEET NOTES:

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- UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (——) SHALL BE NEW, AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (——) SHALL BE EXISTING TO REMAIN.
- REFER TO SHEET E-001 FOR LEGEND, ABBREVIATIONS, GENERAL PROJECT NOTES & LIGHT FIXTURE SCHEDULE.
- REFER TO SHEET E-601 FOR PANELBOARD SCHEDULES.
- COORDINATE ALL POWER OUTAGES WITH SCTA PRIOR TO SHUTTING OFF POWER. LENGTH OF POWER OUTAGES SHALL BE MINIMIZED AND NOT AFFECT FACILITY OPERATIONS.

SHEET KEYNOTES:

- UNIT PROVIDED WITH FACTORY INSTALLED VFD, DISCONNECT AND POWERED CONVENIENCE OUTLET.
- PROVIDE 3#4 AND 1#8 GROUND IN 1" CONDUIT.
- UNIT PROVIDED WITH FACTORY INSTALLED DISCONNECT SWITCH.
- PROVIDE 3#12 AND 1#12 GROUND IN 3/4" CONDUIT.
- DUCT SMOKE DETECTOR FOR ROOF TOP UNIT. ACTIVATION OF DUCT SMOKE DETECTOR SHALL AUTOMATICALLY SHUT DOWN ROOF TOP UNIT.
- PROVIDE REMOTE ALARM INDICATOR WITH TEST SWITCH MOUNTED ON WALL 66-INCHES ABOVE FINISHED FLOOR. PROVIDE NECESSARY CONNECTION TO DUCT SMOKE DETECTORS, SHOWN ON ROOF PLAN, THIS SHEET.
- PROVIDE 2#12 AND 1#12 GROUND IN 3/4" CONDUIT.

1 ELECTRICAL NEW WORK - DRIVERS AREA ROOF

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

2 ELECTRICAL NEW WORK - DRIVERS AREA FLOOR PLAN

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

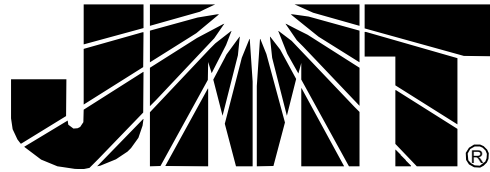
3 LIGHTING NEW WORK - DRIVERS AREA REFLECTED CEILING PLAN

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

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

PLAN NORTH

KEYPLAN



JOHNSON, MIRMAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION

MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: AMK

DRAWN BY: AMK

CHECKED BY: JWJ

DRAWING TITLE:

**ELECTRICAL NEW
WORK FLOOR PLANS -
DRIVERS AREA**

SHEET NUMBER:

E-101

Aubdesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_ SCTA BAKTA MEP_R2024.rvt
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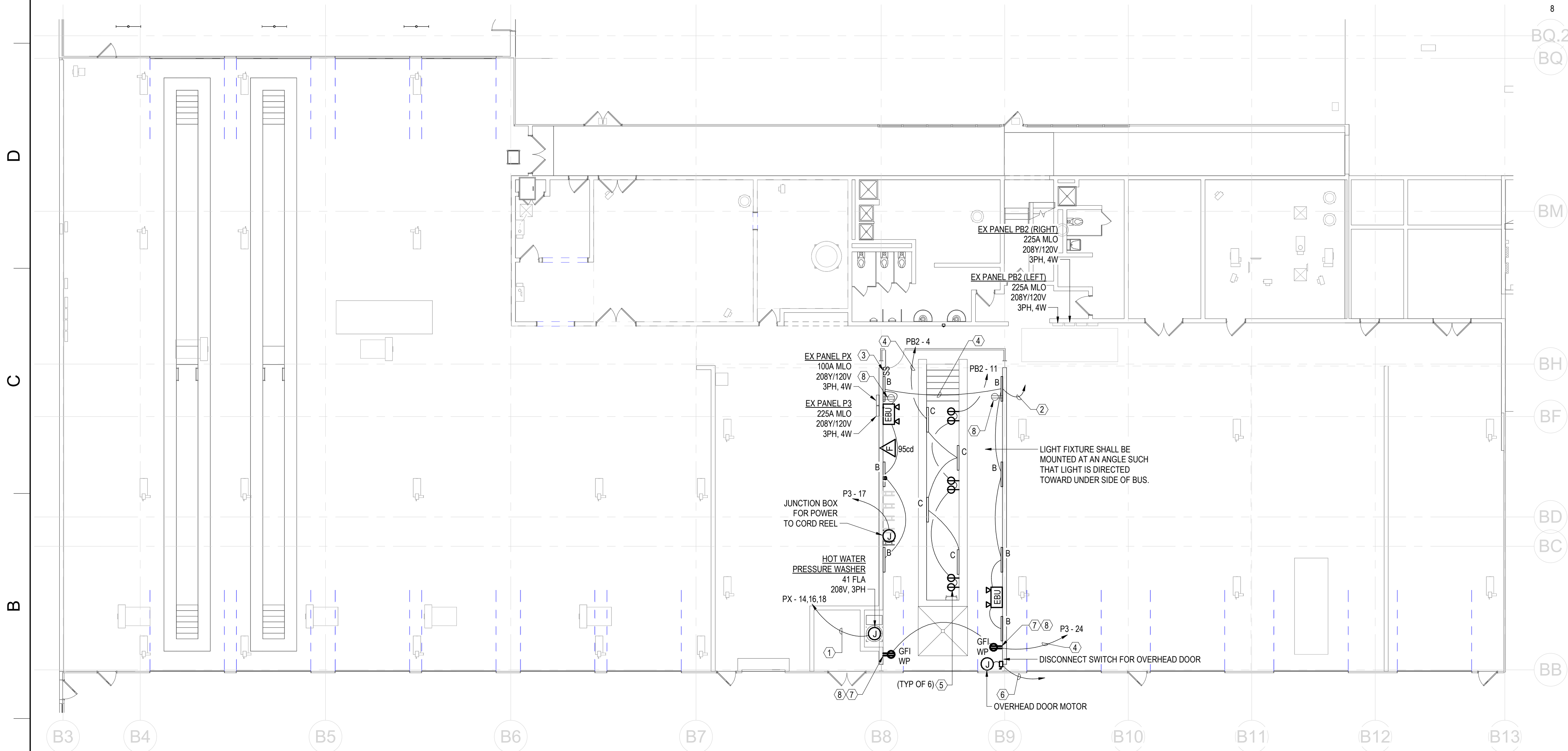
LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	LUMENS	WATTS	CCT
B	4' LINEAR LIGHT FIXTURE, WATERPROOF	LITHONIA LIGHTING	FEX L48 8000LM FGCL WD MVOLT GV10	8000	55	4000
C	CLASS 1 DIV 2, 4' LINEAR VAPOR PROOF LED FIXTURE; GRAY FINISH	HOLOPHANE LIGHTING	EMXH L48 6000LM FPCL WD MVOLT GZ10 40K 80CRI RMBA DGXD CR	7024	50	5000
D	DOUBLE ARM MOUNT WITH INTEGRATED LED HEAD; WET LOCATION; 3-PRONG PLUG	ULINE	H-11077	2400	20	5000
EBU	EMERGENCY LIGHT WITH BATTERY PACK, WATERPROOF	LITHONIA LIGHTING	EXTL SP1100L	1100	2.4	4000

GENERAL SHEET NOTES:

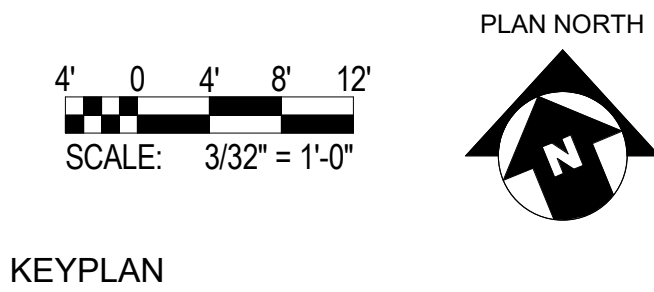
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- UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (——) SHALL BE NEW, AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (——) SHALL BE EXISTING TO REMAIN.
- REFER TO SHEET E-001 FOR LEGEND, ABBREVIATIONS, GENERAL PROJECT NOTES & LIGHT FIXTURE SCHEDULE.
- REFER TO SHEET E-601 FOR PANELBOARD SCHEDULES.
- COORDINATE ALL POWER OUTAGES WITH SCTA PRIOR TO SHUTTING OFF POWER. LENGTH OF POWER OUTAGES SHALL BE MINIMIZED AND NOT AFFECT FACILITY OPERATIONS.

SHEET KEYNOTES:

- PROVIDE 3#6 AND 1#10 GROUND IN 1" CONDUIT. CONNECT CIRCUIT TO EXISTING 60A/3P CIRCUIT BREAKER IN PANEL PX MADE SPARE DURING REMOVAL EXISTING HOTSY.
- PROVIDE WIRE AND CONDUIT TO CONNECT TO NEAREST EXISTING LIGHTING CIRCUIT.
- PROVIDE TWO-GANG DEVICE BOX WITH TWO ON/OFF TOGGLE SWITCHES FOR CONTROL OF THE LIGHTS. ONE TOGGLE SWITCH SHALL CONTROL THE LIGHTS IN THE PIT AND ONE TOGGLE SWITCH SHALL CONTROL THE GENERAL LIGHTING IN THE WASH BAY.
- PROVIDE 2#12 AND 1#12 GROUND IN 3/4" CONDUIT.
- PROVIDE CLASS 1, DIV 2, EXPLOSION PROOF, 125V, 20A, SIMPLEX RECEPTACLE.
- PROVIDE 3#12 AND 1#12 GROUND IN 3/4" CONDUIT BACK TO EXISTING PANELBOARD FEEDING DEMOLISHED OVERHEAD DOOR MOTOR. CONNECT WIRING TO EXISTING CIRCUIT BREAKER MADE SPARE DURING REMOVAL OF EXISTING OVERHEAD DOOR CIRCUIT.
- PROVIDE RECEPTACLE FOR WORK LIGHT PLUG.
- PROVIDE AND INSTALL WORK LIGHT. REFER TO FIXTURE TYPE D IN LIGHT FIXTURE SCHEDULE FOR BASIS OF DESIGN. COORDINATE MOUNTING LOCATION WITH CORD LENGTH AND RECEPTACLE.



1 ELECTRICAL NEW WORK - ENGINE WASH BAY FLOOR PLAN
SCALE: 3/32" = 1'-0"



SEAL:



PROJECT:
**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:
**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

07/23/2026 100% SUBMISSION

MARK DATE DESCRIPTION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: As indicated

DESIGNED BY: AMK

DRAWN BY: AMK

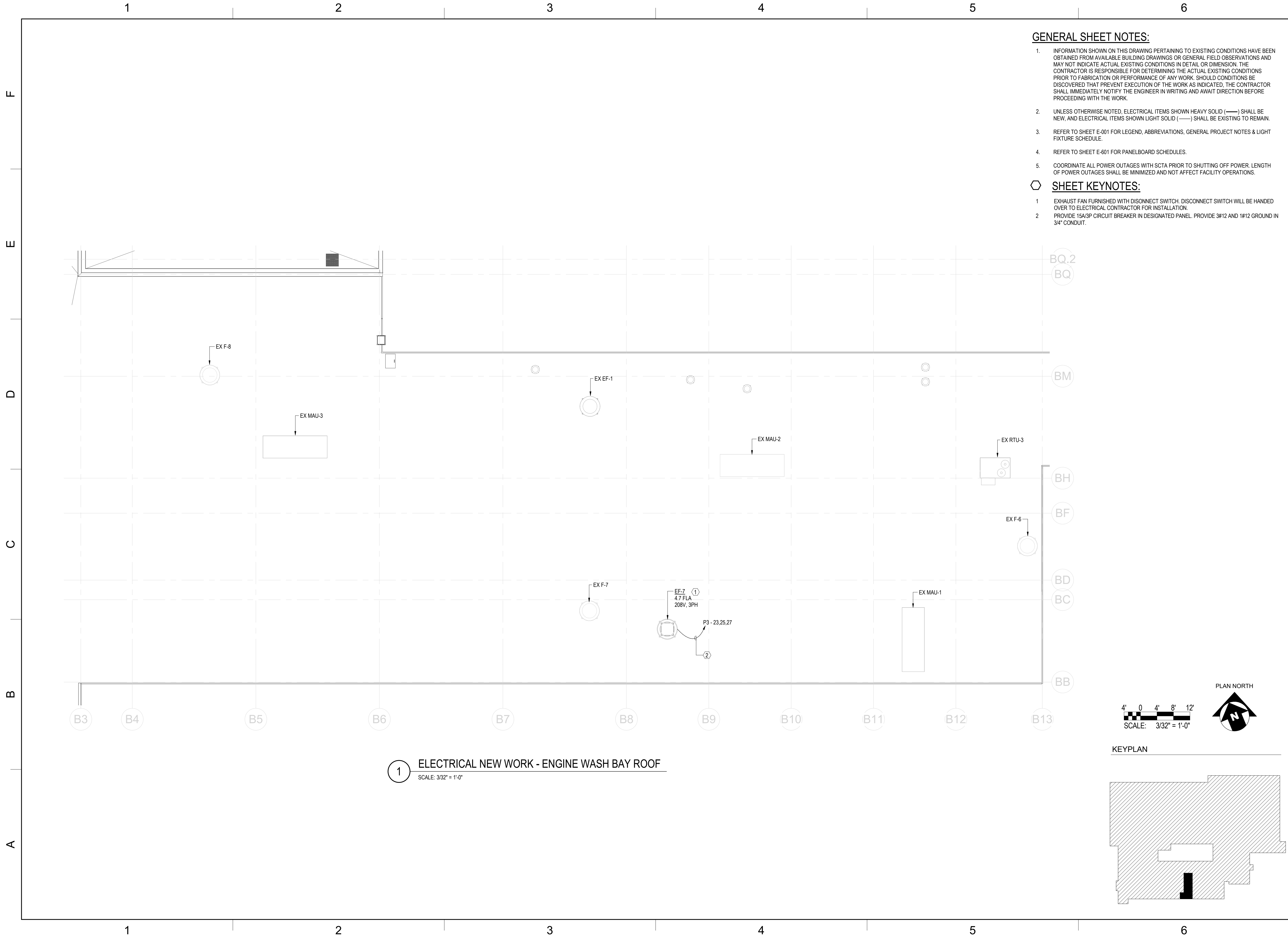
CHECKED BY: JWJ

DRAWING TITLE:
**ELECTRICAL NEW
WORK FLOOR PLAN -
ENGINE WASH BAY**

SHEET NUMBER:

E-102

Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_SCTA-BAKTA_MEP_R2024.rvt
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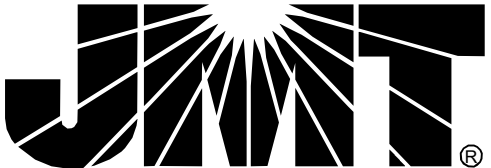
1 ELECTRICAL NEW WORK - ENGINE WASH BAY ROOF
SCALE: 3/32" = 1'-0"

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4. REFER TO SHEET E-601 FOR PANELBOARD SCHEDULES.
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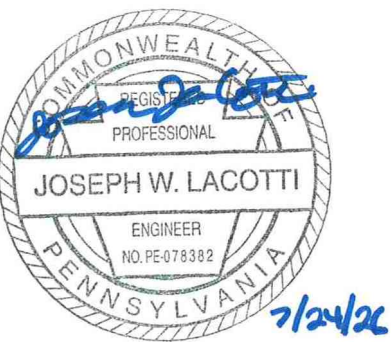
SHEET KEYNOTES:

- 1 EXHAUST FAN FURNISHED WITH DISCONNECT SWITCH. DISCONNECT SWITCH WILL BE HANDED OVER TO ELECTRICAL CONTRACTOR FOR INSTALLATION.
- 2 PROVIDE 15A/3P CIRCUIT BREAKER IN DESIGNATED PANEL. PROVIDE 3#12 AND 1#12 GROUND IN 3/4" CONDUIT.



JOHNSON, MIRMAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
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SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

	07/23/2026	100% SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NO:	22-03808-004
DATE:	07/23/2026
SCALE:	As indicated
DESIGNED BY:	AMK
DRAWN BY:	AMK
CHECKED BY:	JWL

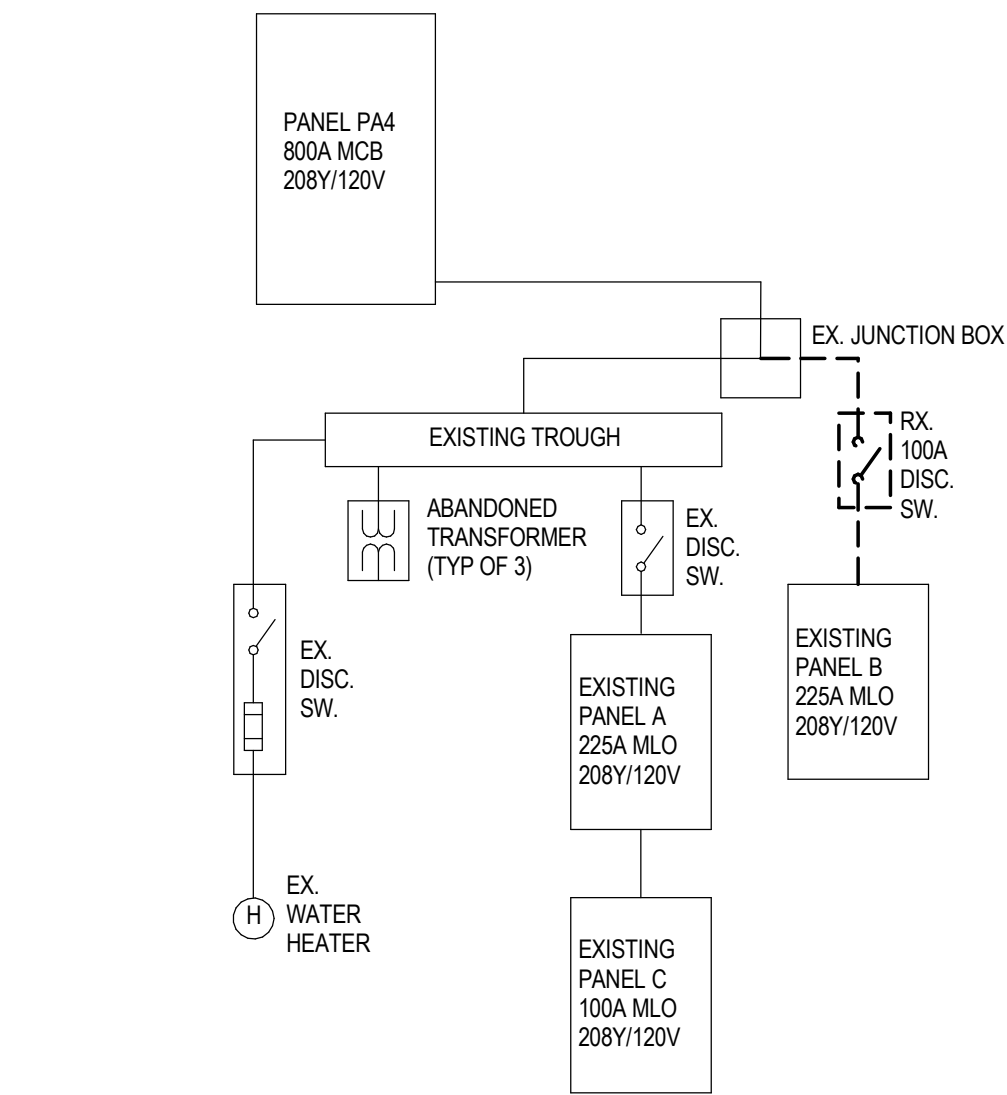
DRAWING TITLE:

**ELECTRICAL NEW
WORK ROOF PLAN -
ENGINE WASH BAY**

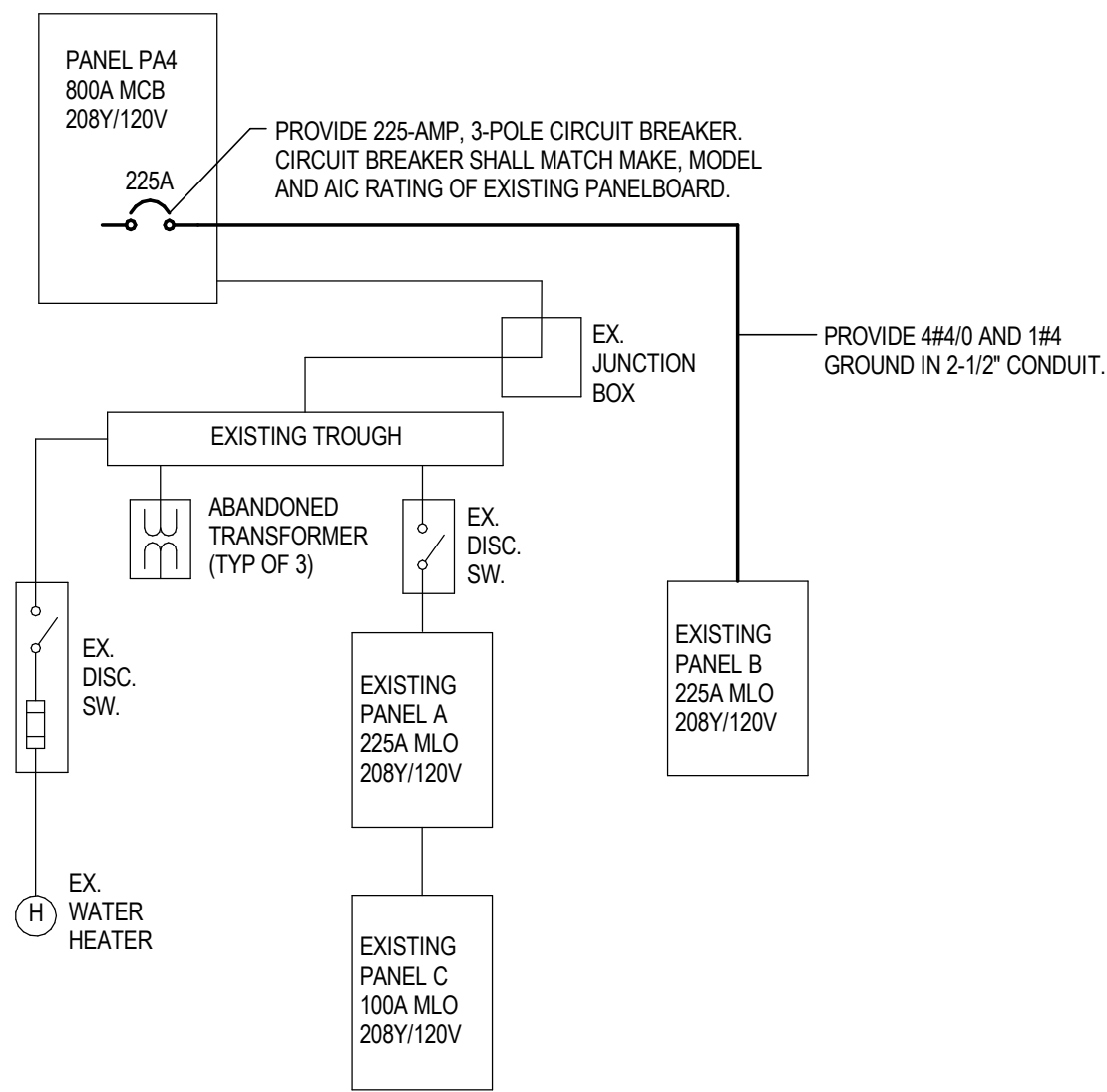
SHEET NUMBER:

E-103

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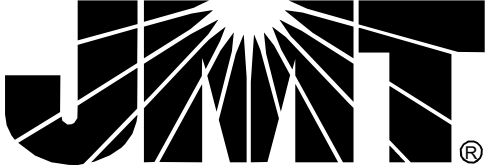
1 ELECTRICAL DEMOLITION SINGLE LINE DIAGRAM
NOT TO SCALE



2 ELECTRICAL NEW WORK SINGLE LINE DIAGRAM
NOT TO SCALE

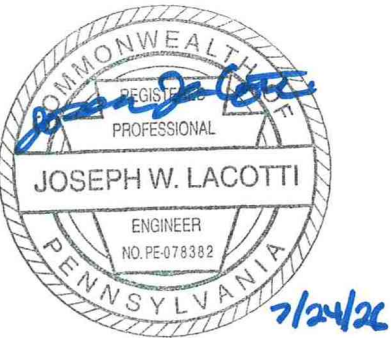
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JOHNSON, MIRMIRAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
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SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO:	22-03808-004
DATE:	07/23/2026
SCALE:	12" = 1'-0"
DESIGNED BY:	AMK
DRAWN BY:	AMK
CHECKED BY:	JWL

DRAWING TITLE:
**ELECTRICAL SINGLE
LINE DIAGRAM**

SHEET NUMBER:

E-201

A Autodesk Docs\\22-03808-004- SCTA Reading Driver Lounge and Chassis Wash\\22-03808-004_ SCTA\\SARTA_MEP_R2024.rvt
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F

E

D

C

B

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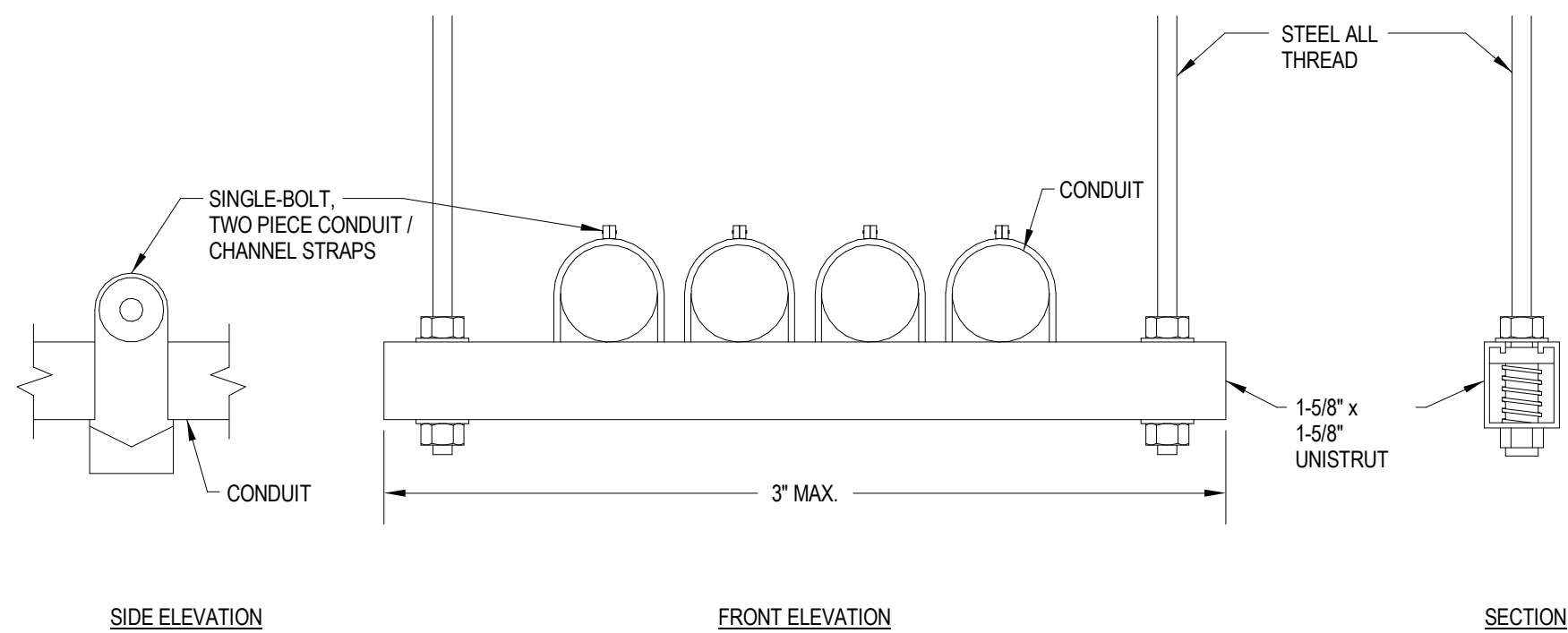
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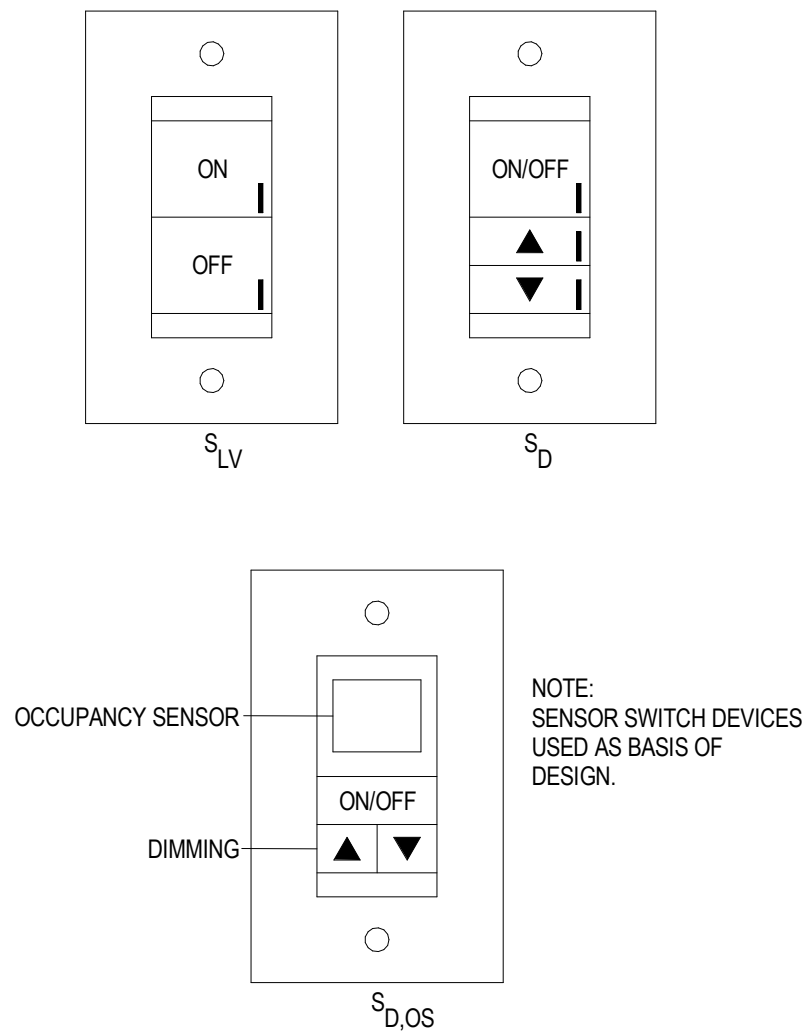
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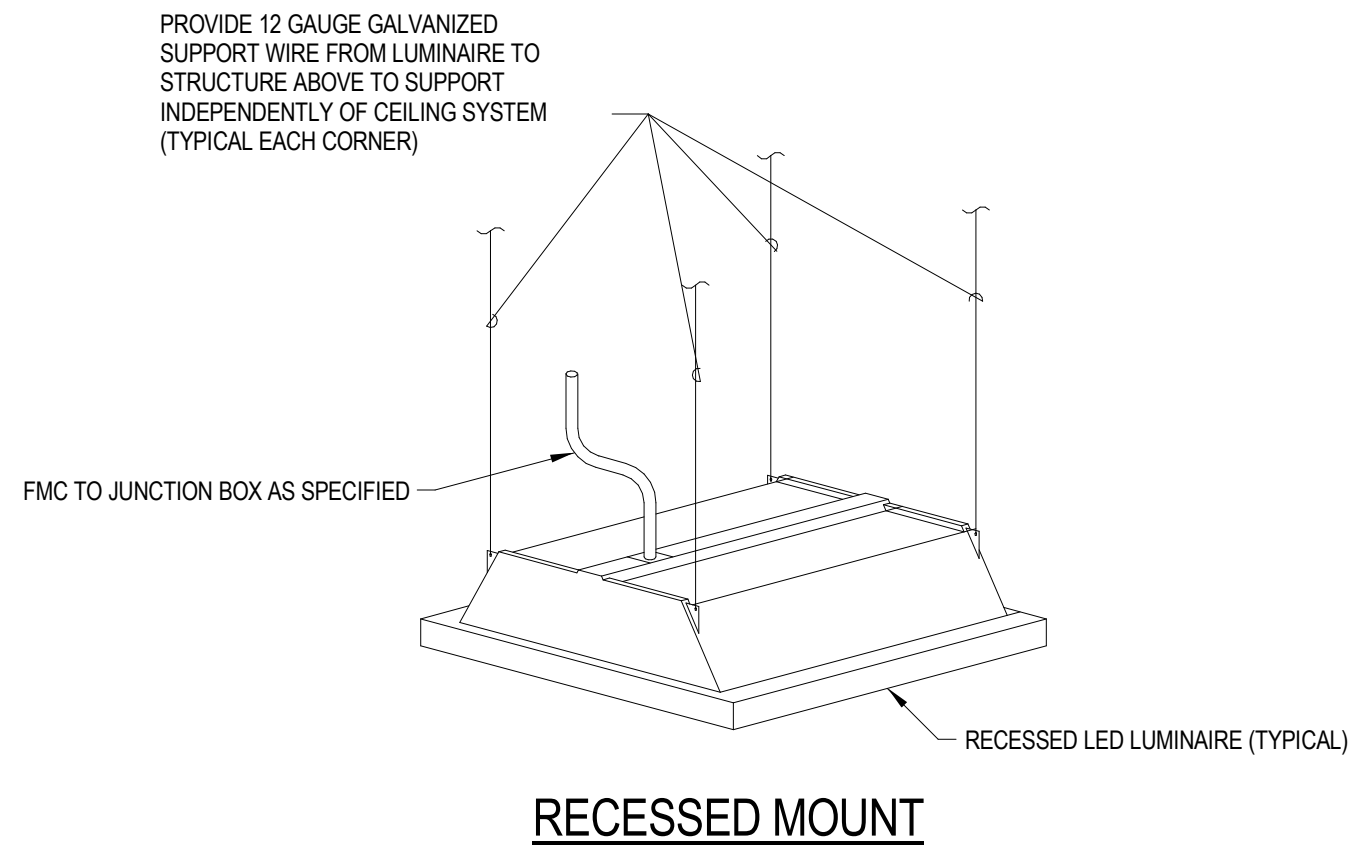
6



1 CONDUIT HANGER DETAIL
NOT TO SCALE



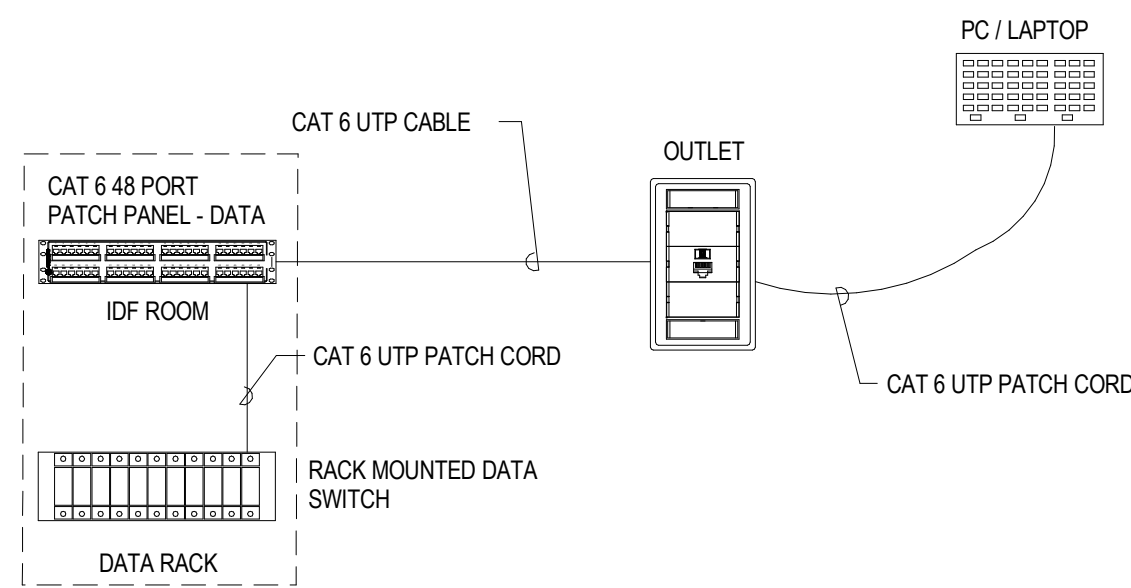
2 LIGHT SWITCH FACEPLATE DETAILS
NOT TO SCALE



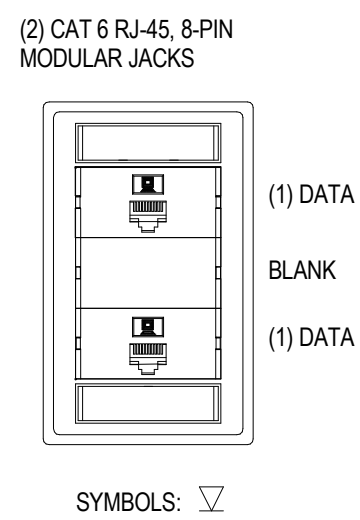
3 LUMINAIRE SUPPORT DETAIL
NOT TO SCALE

GENERAL DETAIL NOTES:

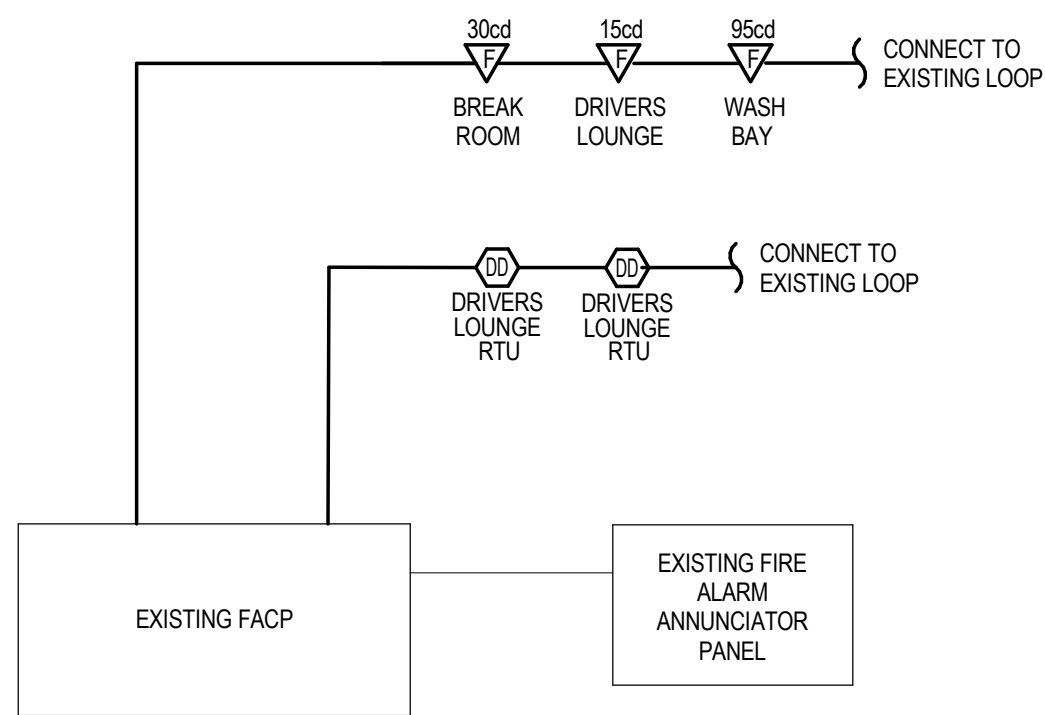
- ALL 120V WIRING FOR FIRE ALARM SHALL BE RUN IN RED CONDUIT.
- FIRE ALARM SYSTEM RISER DIAGRAM IS DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE REQUIRED RUNS OF CONDUITS AND WIRING, PROGRAMMING AND ALL SYSTEMS COMPONENTS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS REQUIREMENTS OF NFPA 70, NFPA 72, NFPA 91A, NFPA 101, IBC, AND LOCAL AHJ AND CONTRACT DOCUMENTS.
- REFER TO E-001 FOR SYMBOL LEGEND, ABBREVIATIONS, AND GENERAL PROJECT NOTES.



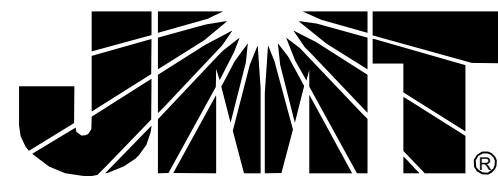
4 DATA CONNECTION DIAGRAM
NOT TO SCALE



5 DATA OUTLET DETAIL
NOT TO SCALE

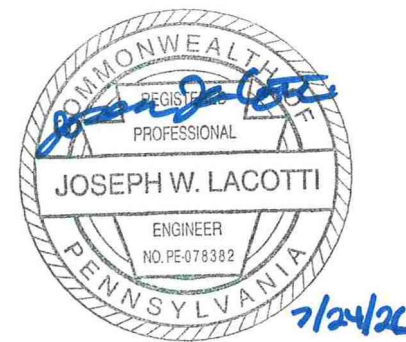


6 TYPICAL FIRE ALARM RISER
NOT TO SCALE



JOHNSON, MIRMAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:



PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03808-004

DATE: 07/23/2026

SCALE: 12" = 1'-0"

DESIGNED BY: JMH

DRAWN BY: MJC

CHECKED BY: DJP

DRAWING TITLE:

ELECTRICAL DETAILS

SHEET NUMBER:

E-501

EXISTING PANEL

PANEL: PP#1

MOUNTING: SURFACE

AMP: 225

VOLT: 120/208

PHASE: 3

4 WIRE + GND

AIC: 10K

AMPS RMS SYM

MAIN: MLO

LIGHT TEXT - EXISTING TO REMAIN: BOLD TEXT - PROVIDE OR NEW LOAD INDICATED

Branch Circuit Load Description	KVA Load			Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load			Branch Circuit Load Description
	A	B	C						A	B	C	
SPARE	0.00			20/1	1	A	2	20/3	1.83			VAV-4
EX. AHU-4		0.00		20/2	3	B	4	**		1.83		**
**			0.00	**	5	C	6	**			1.83	**
EX. AHU-5	0.00			20/1	7	A	8	20/3	1.57			VAV-1
VAV-2		1.07		20/3	9	B	10	**		1.57		**
**			1.07	**	11	C	12	**			1.57	**
**	1.07			**	13	A	14	20/1	0.00			EX. FAN LOCKER ROOM
VAV-3		1.57		20/3	15	B	16	20/2		0.00		EX. LOAD
**			1.57	**	17	C	18	**			0.00	**
**	1.57			**	19	A	20	30/3	0.00			EX. BARN HEATER
HEAT PUMP CEILING CASSETTE		0.00		20/2	21	B	22	**		0.00		**
**			0.00	**	23	C	24	**			0.00	**
EX. EUH-1	0.00			20/3	25	A	26	100/3	8.65			RTU-1
**		0.00		**	27	B	28	**		8.65		**
**			0.00	**	29	C	30	**			8.65	**
2.64				2.63	2.63	<< PHASE SUB-TOTALS >>			12.05	12.05	12.05	MECH EQUIPMENT CIRCUIT BRKRS SHALL BE HACR RATED.

PHASE A

14.68

kVA

PHASE B

14.68

kVA

PHASE C

14.68

kVA

44.05

kVA TOTAL CONNECTED LOAD

22.02

kVA TOTAL DEMAND LOAD

PROVIDE THE FOLLOWING:

NEW CIRCUIT BREAKERS SHALL MATCH MAKE, MODEL AND AIC

RATING OF EXISTING PANELBOARD

EXISTING PANEL

PANEL: PP#3

AMP: 200

VOLT: 120/208

PHASE: 3

4 WIRE + GND

AIC: 10K AMPS RMS SYM

MOUNTING: SURFACE

MAIN: MLO

LIGHT TEXT - EXISTING TO REMAIN:

BOLD TEXT - PROVIDE or NEW LOAD INDICATED

Branch Circuit Load Description	KVA Load			Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load			Branch Circuit Load Description	
	A	B	C						A	B	C		
VAV-5 & VAV-6	1.60			20/3	1	A	2	20/1	1.20			VENDING MACHINE	
**		1.60		**	3	B	4	20/1		0.49		DRIVERS LOUNGE & ELEC RM LIGHTS	
**			1.60	**	5	C	6	20/1			0.00	SPARE	
TV & COMP RECPT	1.00			20/1	7	A	8	20/1	0.00			SPARE	
REFRIGERATOR		1.20		20/1	9	B	10	20/1		0.00		EX. ROOFTOP RECEPTACLE	
LACTATION RECPTS			0.72	20/1	11	C	12	-			0.00	SPACE	
BREAKROOM RECEPTS	0.90			20/1	13	A	14	-	0.00			SPACE	
LOUNGE RECEPTS		1.08		20/1	15	B	16	-		0.00		SPACE	
LACTATION RM. FRIDGE			0.50	15/1	17	C	18	-			0.00	SPACE	
SPACE	0.00			-	19	A	20	-	0.00			SPACE	
SPACE		0.00		-	21	B	22	-		0.00		SPACE	
SPACE			0.00	-	23	C	24	-			0.00	SPACE	
SPACE	0.00			-	25	A	26	-	0.00			SPACE	
SPACE		0.00		-	27	B	28	-		0.00		SPACE	
SPACE			0.00	-	29	C	30	-			0.00	SPACE	
3.50				3.88	2.82	<< PHASE SUB-TOTALS >>			1.20	0.49	0.00	MECH EQUIPMENT CIRCUIT BRKRS SHALL BE HACR RATED.	
													PROVIDE THE FOLLOWING:
													NEW CIRCUIT BREAKERS SHALL
													MATCH MAKE, MODEL AND AIC
													RATING OF EXISTING PANELBOARD

PHASE A4.70 kVA

PHASE B4.37 kVA

PHASE C2.82 kVA

11.89 kVA TOTAL CONNECTED LOAD

8.29 kVA TOTAL DEMAND LOAD

EXISTING PANEL

PANEL: P3

MOUNTING: SURFACE

MAIN: MLO

AMP: 225

PHASE: 3

AIC: 10K AMPS RMS SYM

VOLT: 120/208

4 WIRE + GND

Branch Circuit Load Description

A

B

C

Trip Poles

Ckt. No.

Phase

Ckt. No.

Trip Poles

A

B

C

Branch Circuit Load Description

EXISTING LOAD

0.00

20/1

1

A

2

20/1

0.00

EXISTING LOAD

EXISTING LOAD

0.00

20/1

3

B

4

20/1

0.00

EXISTING LOAD

EXISTING LOAD

0.00

20/1

5

C

6

20/1

EXISTING LOAD

EXISTING LOAD

0.00

20/1

7

A

8

15/2

0.00

EXISTING LOAD

EXISTING LOAD

0.00

20/1

9

B

10

**

0.00

**

EXISTING LOAD

0.00

20/1

11

C

12

20/1

0.00

EXISTING LOAD

EXISTING LOAD

0.00

20/1

13

A

14

20/1

0.00

EXISTING LOAD

EXISTING LOAD

0.00

20/1

15

B

16

50/1

0.00

EXISTING LOAD

CORD REEL IN WASH BAY

0.18

20/1

17

C

18

**

0.00

**

EXISTING LOAD

0.00

20/1

19

A

20

**

0.00

**

EXISTING LOAD

0.00

20/1

21

B

22

20/1

0.00

EXISTING LOAD

EF-7

0.90

15/3

23

C

24

20/1

0.40

WORK LIGHTS

**

0.90

**

25

A

26

-

0.00

SPACE

**

0.90

**

27

B

28

-

0.00

SPACE

EXISTING LOAD

0.00

20/1

29

C

30

20/1

0.00

SPARE

0.90

0.90

1.08

<< PHASE SUB-TOTALS >>

0.00

0.00

0.40

MECH EQUIPMENT CIRCUIT BRKRS SHALL BE HACR RATED.

PROVIDE THE FOLLOWING:

NEW CIRCUIT BREAKERS SHALL MATCH MAKE, MODEL AND AIC

RATING OF EXISTING PANELBOARD

PHASE A

0.90

kVA

3.28

kVA TOTAL CONNECTED LOAD

PHASE B

0.90

kVA

1.93

kVA TOTAL DEMAND LOAD

PHASE C

1.48

kVA

EXISTING PANEL

PANEL: PB2 Left

MOUNTING: SURFACE

MAIN: MLO

AMP: 225

PHASE: 3

AIC: 10K AMPS RMS SYM

VOLT: 120/208

4 WIRE + GND

LIGHT TEXT - EXISTING TO REMAIN:

BOLD TEXT - PROVIDE OR NEW LOAD INDICATED

Branch Circuit Load Description	KVA Load			Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load			Branch Circuit Load Description		
	A	B	C						A	B	C			
EX TOILET RM. LIGHTS	0.00			20/1	1	A	2	30/1	0.00			EX. BODY SHOP LIGHTS		
EX. LIGHTS ELEC SHOP		0.00		20/1	3	B	4	20/1		0.00		STEAM SHOP LIGHTS - PIT		
EX. REC. ON SPRAY BOOTH			0.00	20/1	5	C	6	20/1			0.00	EX. REC. NORTH WALL STEAM SHOP		
EX. PARTS RM. LIGHTS	0.00			30/1	7	A	8	20/1	0.00			EX. REC. ON SPRAY BOOTH		
EX. REC. BELOW PANEL		0.00		20/1	9	B	10	20/1		0.00		EX. REC. ON SPRAY BOOTH		
RECEPTACLES STEAM SHOP PIT			0.00	20/1	11	C	12	20/1			0.00	EX. REC. SOUTH WALL STEAM SHOP		
EX. SIMPLEX TIME CLOCK	0.00			20/1	13	A	14	20/1	0.00			EX. REC. ELEC. SHOP		
EX. REC. OUTSIDE & WATER COOLER		0.00		20/1	15	B	16	20/1		0.00		EX. REC. OFFICE ELEC. SHOP		
EX. REC. WELDING SHOP			0.00	20/1	17	C	18	20/1			0.00	EX. REC. BODY SHOP PIT		
EX. REC. EAST WALL SHOP	0.00			20/1	19	A	20	20/1	0.00			EX. REC. OFFICE & ELEC SHOP		
EX.EAST WALL ALCOVE		0.00		20/1	21	B	22	20/1		0.00		EX. REC. ON SPRAY BOOTH		
EX. REC. MACHINE SHOP			0.00	20/1	23	C	24	20/1			0.00	EX. CAR GAS PUMP AREA		
EX. BODY SHOP NORTH EAST	0.00			20/1	25	A	26	20/1	0.00			EX. REC. BODY SHOP NORTH WEST		
EX. BODY SHOP NORTH WEST		0.00		20/1	27	B	28	20/1		0.00		EX. REC. BODY SHOP NORTH EAST		
EX. REC. BODY SHOP NORTH			0.00	20/1	29	C	30	20/1			0.00	EX. TIME CLOCK AT PANEL.		
				<< PHASE SUB-TOTALS >>										
	0.00	0.00	0.00								0.00	0.00	0.00	MECH EQUIPMENT CIRCUIT BRKRS SHALL BE HACR RATED.
PROVIDE THE FOLLOWING:														
NEW CIRCUIT BREAKERS SHALL														
MATCH MAKE, MODEL AND AIC														
RATING OF EXISTING PANELBOARD														

PHASE A0.00kVA

PHASE B0.00kVA

PHASE C0.00kVA

0.00kVA TOTAL CONNECTED LOAD

0.00kVA TOTAL DEMAND LOAD

EXISTING PANEL

PANEL: **PX**

MOUNTING: **SURFACE**

MAIN: **MLO**

AMP: **100**

VOLT: **120/208**

PHASE: **3**

4 WIRE + GND

AIC: **10K**

AMPS RMS SYM

Branch Circuit Load Description

KVA Load

A

B

C

Trip Poles

Ckt. No.

Phase

Ckt. No.

Trip Poles

KVA Load

A

B

C

Branch Circuit Load Description

EXISTING LOAD

0.00

20/2

1

A

2

20/3

0.00

EXISTING LOAD

**

0.00

20/2

3

B

4

**

0.00

0.00

**

**

0.00

20/2

7

A

8

20/3

0.00

EXISTING LOAD

EXISTING LOAD

0.00

20/2

9

B

10

**

0.00

**

**

0.00

**

11

C

12

**

0.00

**

EXISTING LOAD

0.00

20/3

13

A

14

60/3

4.92

HOTSY WASHER

**

0.00

**

15

B

16

**

4.92

**

**

0.00

**

17

C

18

**

4.92

**

EXISTING LOAD

0.00

30/3

19

A

20

40/3

0.00

EXISTING LOAD

**

0.00

**

21

B

22

**

0.00

**

**

0.00

**

23

C

24

**

0.00

**

EXISTING LOAD

0.00

50/3

25

A

26

50/3

0.00

EXISTING LOAD

**

0.00

**

27

B

28

**

0.00

**

**

0.00

**

29

C

30

**

0.00

**

EXISTING LOAD

0.00

50/3

31

A

32

50/3

0.00

EXISTING LOAD

**

0.00

**

33

B

34

**

0.00

**

**

0.00

**

35

C

36

**

0.00

**

EXISTING LOAD

0.00

45/2

37

A

38

-

0.00

SPACE

**

0.00

**

39

B

40

-

0.00

SPACE

SPACE

0.00

-

41

C

42

-

0.00

SPACE

0.00

0.00

0.00

<< PHASE SUB-TOTALS >>

4.92

4.92

4.92

MECH EQUIPMENT CIRCUIT BRKRS SHALL BE HACR RATED.

PHASE A

4.92

kVA

PHASE B

4.92

kVA

PHASE C

4.92

kVA

14.77

kVA TOTAL CONNECTED LOAD

7.38

kVA TOTAL DEMAND LOAD

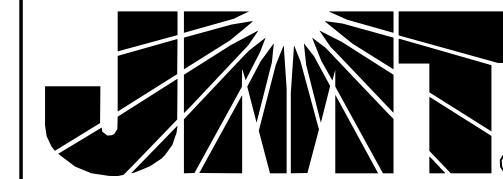
PROVIDE THE FOLLOWING:

NEW CIRCUIT BREAKERS SHALL

MATCH MAKE, MODEL AND AIC

RATING OF EXISTING PANELBOARD

BARTA - Panel Metering for HVAC Upgrade				
Measured Feeders of Panels				
From 03/24/2026 to 04/23/2026				
MAXIMUM AVERAGE METER READINGS - AMPS	A-PHASE	B-PHASE	C-PHASE	NEUTRAL
PANEL PA4 (800A, 120/208V, ICB)	289.5	250.5	266.7	73.2
PANEL B (PP#1) (100A, 120/208V MLO)	55.4	38.9	39.2	22.4



JOHNSON, MIRMIRAN & THOMPSON, INC.
220 ST. CHARLES WAY, SUITE 200
YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:

PROJECT:

**SOUTH CENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1700 N. 11TH STREET
READING PA 19604

PREPARED FOR:
SOUTH CENTRAL
TRANSIT AUTHORITY

45 ERICK ROAD
LANCASTER PA 17601

	07/23/2026	100% SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NO:	22-03808-004
DATE:	07/23/2026

SCALE:

DESIGN

DRAWN BY: AMK

ENTERED BY:	AMIR
CHECKED BY:	MAIL

CHECKED BY: JWVL

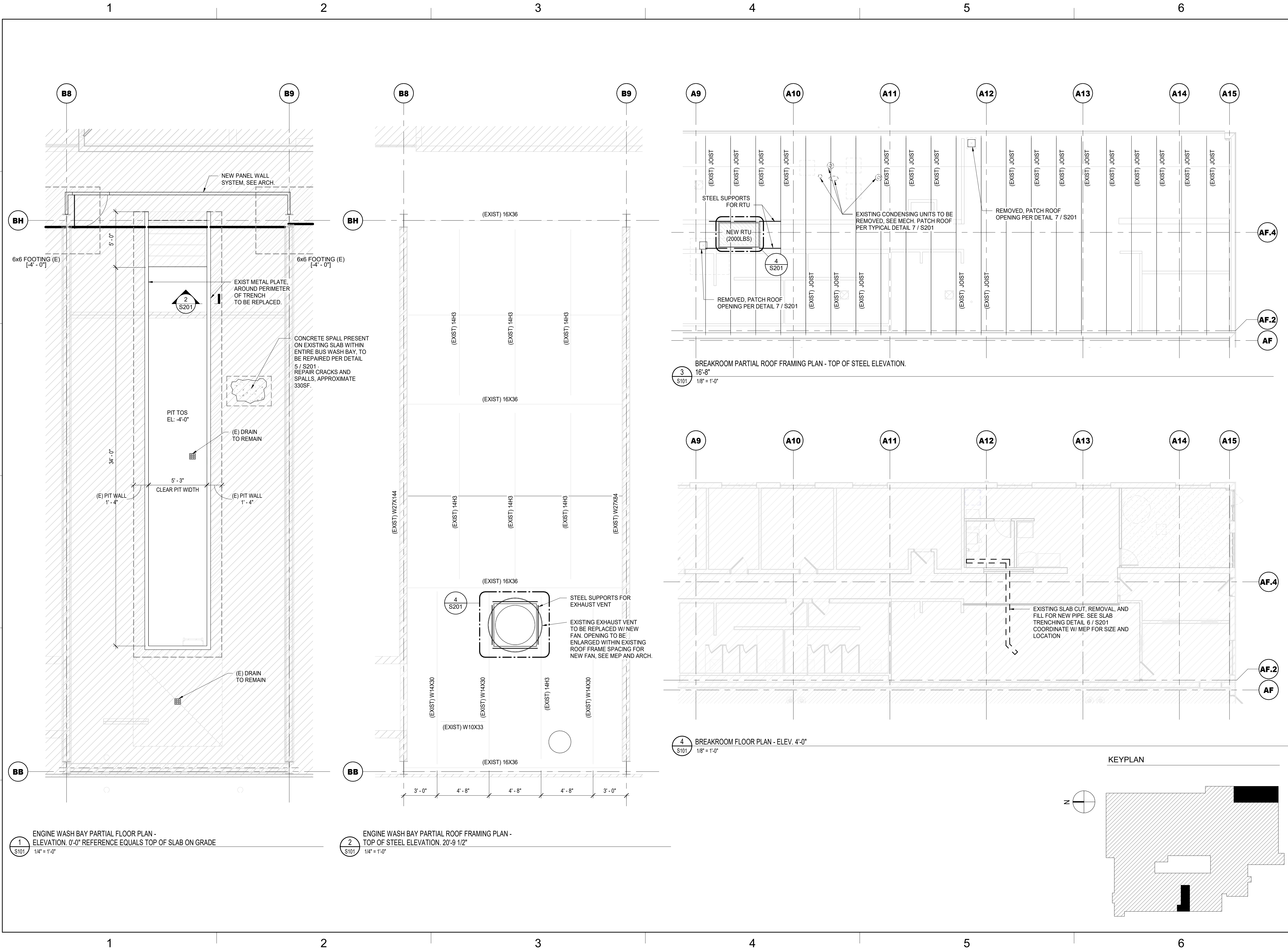
DRAWING TITLE:

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER

E-601

Aubdesk Docs\\22-03803-004-SC7A Reading Driver Lounge and Chassis Wash\\SC7A Reading Drivers Lounge_Sheet_S101.rvt
7/23/2026 1:28:19 AM



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YORK, PA 17402
717.741.1600
WWW.JMT.COM

SEAL:

ISSUED FOR
REVIEW
NOT FOR CONSTRUCTION
100% DESIGN

PROJECT:

**SOUTH DENTRAL
TRANSIT
AUTHORITY**
DRIVER BREAKROOM
AND ENGINE WASH BAY

1701 N 11th READING STREET
READING PA 19604

PREPARED FOR:

**SOUTH CENTRAL
TRANSIT AUTHORITY**

45 ERICK ROAD
LANCASTER PA 17601

MARK	DATE	DESCRIPTION
	07/23/2026	100% SUBMISSION

PROJECT NO: 22-03803-004

DATE: 07/23/26

SCALE: As indicated

DESIGNED BY: EP

DRAWN BY: EP

CHECKED BY: GM

DRAWING TITLE:

PARTIAL PLANS

SHEET NUMBER:

S101

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