

SHAKER BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY

25 MEETING HOUSE ROAD, ALBANY, NY

CONSTRUCTION DOCUMENTS

PROJECT NO. 21-001

ARCHITECT



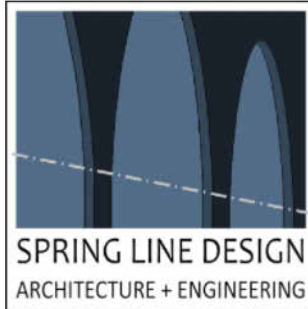
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MEP ENGINEERING



11 CENTURY HILL DR
LATHAM, NY 12210
518.783.1205

STRUCTURAL ENGINEER



73 TROY RD
EAST GREENBUSH, NY 12061
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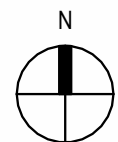
CIVIL ENGINEER



2 WINNERS CIRCLE, SUITE 201
ALBANY, NY 12205
518.446.0396



SITE/LOCATION PLAN



DRAWING LIST

GENERAL

G001 COVER SHEET
G002 NOTES, SYMBOLS, & ABBREVIATIONS

CIVIL

C1 UTILITY PLAN
C2 SANITARY CONSTRUCTION DETAILS & NOTES
C3 WATER CONSTRUCTION DETAILS & NOTES

STRUCTURAL

S101 FIRST FLOOR SLAB PLAN

ARCHITECTURAL REMOVALS

AR01 REMOVAL PLAN
AR02 PHOTOS OF EXISTING CONDITIONS
AR03 PHOTOS OF EXISTING CONDITIONS

ARCHITECTURAL

A010 TYPICAL WALL ASSEMBLIES
A101 ENLARGED TOILET ROOM PLAN
A151 REFLECTED CEILING PLAN
A251 INTERIOR ELEVATIONS
A252 BATHROOM ACCESSORY PLAN
A502 TYPICAL WALL AND ROOF DETAILS
A601 DOOR SCHEDULE

PLUMBING

P000 PLUMBING SYMBOLS, NOTES & ABBREVIATIONS
P101 PLUMBING DOMESTIC WATER PLAN
PS100 PLUMBING WASTE & VENT BELOW FLOOR PLAN
PS101 PLUMBING WASTE & VENT ABOVE FLOOR PLAN
P500 PLUMBING DETAILS & SCHEDULE

MECHANICAL

M000 MECHANICAL SYMBOLS, NOTES & ABBREVIATIONS
M101 MECHANICAL PLAN

ELECTRICAL

E000 ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS
ED101 ELECTRICAL DEMO PLAN
E101 ELECTRICAL FLOOR PLANS
E500 ELECTRICAL DETAILS & SCHEDULES



SHAKER BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY

COVER SHEET

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REVISIONS	

PROJECT NUMBER
21-001
DATE
MARCH 18, 2025
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FL

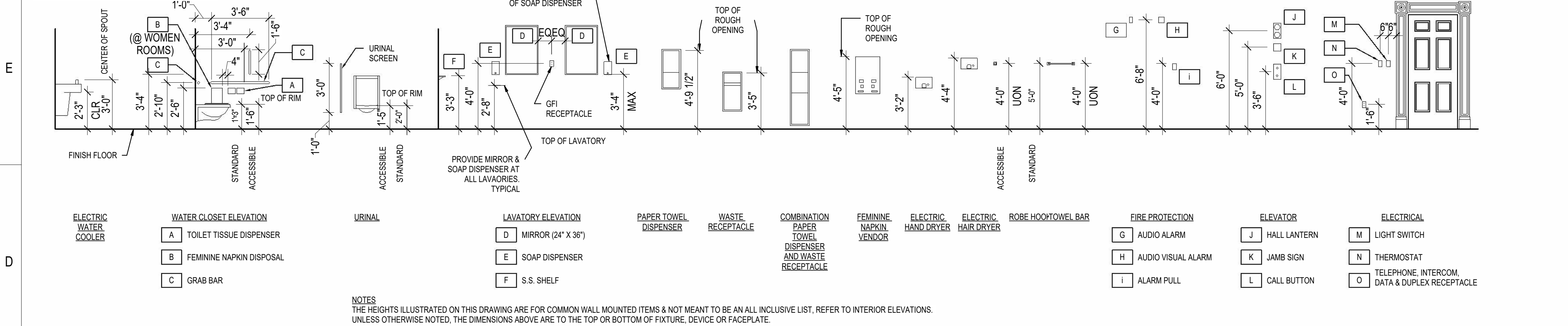
BID DOCUMENTS
G001

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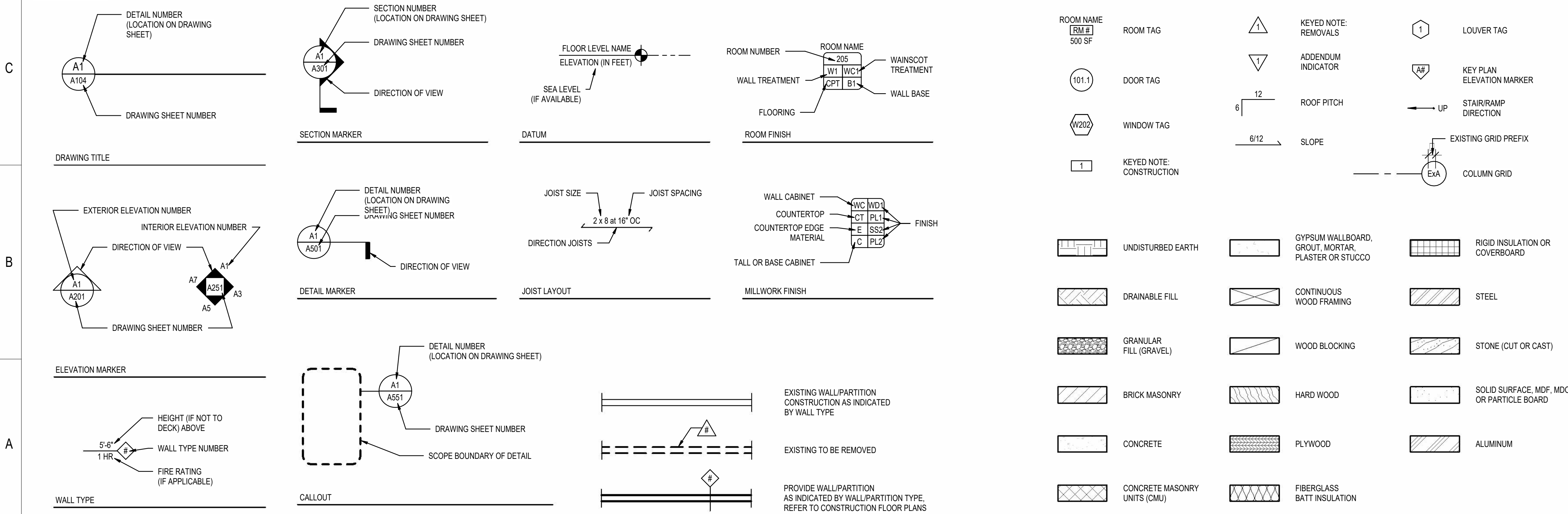
ABBREVIATIONS

G	AAF	ABOVE ACCESS FLOOR	CB	CATCH BASIN	EF	EXHAUST FAN	GALV	GALVANIZED	MAX	MAXIMUM	QTY	QUANTITY	T	TREAD	THIS PROPERTY HAS BEEN DETERMINED TO POSSESS HISTORIC (E.G. ARCHITECTURAL, ENGINEERING, ARTISTIC) SIGNIFICANCE AND IS LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.
	ABV	ABOVE	CTR	CENTER	EIFS	EXTERIOR INSULATION SYSTEM	GWB	GYPSUM WALL BOARD	MECH	MECHANICAL	RAD	RADIUS	T&B	TOP AND BOTTOM	
	ACT	ACOUSTICAL CEILING TILE	CF	CUBIC FOOT	EJ	EXPANSION JOINT	H	HIGH	MFR	MANUFACTURER	RCP	REFLECTED CEILING PLAN	T&G	TONGUE AND GROOVE	
F	ADJ	ADJACENT	CJ	CONTROL JOINT	ELEC	ELECTRICAL	HDG	HOT-DIPPED GALVANIZED	MIN	MINIMUM	RD	ROOF DRAIN	TEL	TELEPHONE	OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.
	AFF	ABOVE FINISHED FLOOR	CLG	CEILING	ELEV	ELEVATOR	HDW	HARDWARE	MO	MASONRY OPENING	REF	REFRIGERATOR	TEMP	TEMPERATURE	
	AFL	ACCESS FLOORING	CLR	CLEARANCE	EPDM	ETHYLENE PROPYLENE MONOMER	HM	HOLLOW METAL	MTD	MOUNTED	REIN	REINFORCE(D,MENT)	TO	TOP OF	
E	AHU	AIR HANDLING UNIT	CMU	CONCRETE MASONRY UNIT	EQ	EQUAL	HOR	HORIZONTAL	N	NORTH	REQD	REQUIRED	TOC	TOP OF CURB	OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.
	ALT	ALTERNATE	CO	CLEAN OUT	EWC	ELECTRIC WATER COOLER	HVAC	HEATING, VENTILATING & CONDITIONED	N/A	NOT APPLICABLE	RO	ROUGH OPENING	TOF	TOP OF FRAME	
	AP	ACCESS PANEL	CONF	CONFERENCE	EXIST	EXISTING	EXT	EXTERIOR	NIC	NOT IN CONTRACT	RTU	ROOF TOP UNIT	TOS	TOP OF SLAB/STEEL	
D	AS	ABOVE SLAB	CORR	CORRIDOR	FT	FEET, FOOT	HW	HOT WATER	NTS	NOT TO SCALE	SF	SQUARE FOOT	TOW	TOP OF WALL	OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.
	AUX	AUXILIARY	CPT	CARPET	FTG	FOOTING	ID	INSIDE DIAMETER	OC	ON CENTER	SIM	SIMILAR	TV	TELEVISION	
	AVG	AVERAGE	CT	CERAMIC TILE			IN	INCH	OD	OUTSIDE DIAMETER	SOG	SLAB ON GRADE	TYP	TYPICAL	
C	BDG	BUILDING	CY	CUBIC YARD	FE	FIRE EXTINGUISHER	INT	INTERIOR	OH	OVERHEAD	SS	STAINLESS STEEL	UON	UNLESS OTHERWISE NOTED	OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.
	BLDG	BUILDING			FFC	FIRE EXTINGUISHER CABINET	JC	JANITOR'S CLOSET	OPP	OPPOSITE	STD	STANDARD	UPS	UNINTERRUPTED POWER SUPPLY	
	BOT	BOTTOM			FL	FLOOR	L	LENGTH, LONG	PCC	PRECAST CONCRETE	STOR	STORAGE	VCT	VINYL COMPOSITION TILE	
B	BSMT	BASEMENT			LB	LABORATORY	LAB	LABORATORY	P/F	PRE-FINISHED			VEST	VESTIBULE	OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.
	BUR	BUILT-UP ROOF			PSF	POUNDS PER SQUARE FOOT	LD	LEAD COATED COPPER	PSI	POUNDS PER SQUARE INCH			VIF	VERIFY IN FIELD	
	BYD	BEYOND			PT	PRESSURE TREATED	LF	LINEAR FEET	PVC	POLYVINYL CHLORIDE			WO	WINDOW OPENING	
A					LL	LIVE LOAD							WWF	WELDED WIRE FABRIC	OF HISTORIC PLACES. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE SIGNIFICANCE AND THE CONTRACTOR SHALL NOT JUDGE THE RELATIVE SIGNIFICANCE OF ANY FEATURES NOR THE IMPACT OF ANY OR ALL PROPOSED WORK. THIS RESPONSIBILITY SHALL REST SOLELY WITH THE ARCHITECT. CONSEQUENTLY, NO DEVIATIONS FROM THE FROM THE CONTRACT DOCUMENTS SHALL BE PERFORMED AND NO FEATURES OF MATERIALS SHALL BE ALTERED, REMOVED, REUSED, OR TAKEN FROM THE PREMISES, WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.

MOUNTING HEIGHTS



LEGEND



GENERAL NOTES

- THESE GENERAL NOTES ARE APPLICABLE TO ALL DRAWINGS IN THIS SET OF CONTRACT DOCUMENTS. IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR THESE DRAWINGS TO BE MODIFIED EXCEPT BY A NEW YORK STATE-LICENSED ARCHITECT OR ENGINEER.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. ANY DEVIATIONS BETWEEN EXISTING CONDITIONS AND INFORMATION INDICATED IN THE CONTRACT DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF AND RECONCILED WITH THE ARCHITECT PRIOR TO THE COMMENCEMENT OF THE WORK. DRAWINGS MUST NOT BE SCALED; WRITTEN DIMENSIONS ON THE DRAWINGS TAKE PRECEDENCE.
- DRAWINGS ARE ISSUED FOR DESIGN INTENT ONLY. THEY ARE NOT INTENDED TO ILLUSTRATE ALL ASPECTS OF THE WORK CONTRACTUALLY REQUIRED TO EXECUTE THE PROJECT. THEY DO NOT INCLUDE NECESSARY REQUIREMENTS FOR OSHA OR OTHER CONSTRUCTION SAFETY COMPLIANCE. NYS LABOR AND INSURANCE REQUIREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE A CERTIFICATE OF INSURANCE TO THE SATISFACTION OF THE OWNER'S INSURANCE CARRIER BEFORE WORK COMMENCES.
- ALL WORK IS TO COMPLY WITH THE REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE AND ASSOCIATED FAMILY OF CODES; THE AMERICANS WITH DISABILITIES ACT; AND ALL LOCAL CODES. NO WORK SHALL BEGIN PRIOR TO THE ISSUANCE OF A BUILDING PERMIT BY THE AUTHORITY HAVING JURISDICTION AND AUTHORIZED CODE ENFORCEMENT OFFICIAL.
- ALL WORK SHALL BE COMPLETED IN A TIMELY AND PROFESSIONAL MANNER. THE WORKSITE SHALL BE KEPT CLEAN TO THE SATISFACTION OF THE OWNER.
- REMOVE & SALVAGE OR REMOVE & DISPOSE AS INDICATED IN THESE DRAWINGS. PROTECT IN PLACE ALL EXISTING ITEMS TO REMAIN.
- THERE ARE NO KNOWN HAZARDOUS MATERIALS LOCATED AT THE PROJECT SITE. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF BY QUALIFIED PERSONNEL IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS RELATING TO SUCH MATERIALS. IF THE CONTRACTOR ENCOUNTERS HAZARDOUS MATERIALS NOT PREVIOUSLY INDICATED, CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND AUTHORITIES AS REQUIRED BY LAW.
- TAKE ALL PRECAUTIONS TO STABILIZE AND PREPARE THE EXISTING BUILDING FOR NEW WORK. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING CONSTRUCTION AND OVERALL HISTORIC INTEGRITY OF THE BUILDING COMPONENTS TO BE RENOVATED.
- ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE.
- UNLESS OTHERWISE INDICATED, DIMENSIONS OF NEW WORK ARE TAKEN FROM INTENDED FACE OF NEW ELEMENTS; DIMENSIONS OF EXISTING FRAMING, SIDING, CONCRETE, ETC. ARE AS INDICATED.
- IF REQUIRED BY THE OWNER, CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION SCHEDULE WITH OTHER CONTRACTORS RETAINED BY THE OWNER.

DRAWING ORGANIZATION

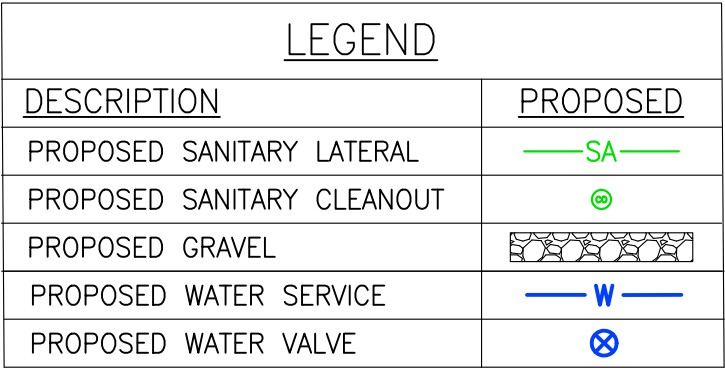
DISCIPLINE PREFIX	SHEET TYPE	SHEET SEQUENCE	SHEET DESCRIPTION
G002	SERIES	ARCHITECTURAL SYMBOLS, ABBREVIATIONS, BUILDING CODE, WALL/PARTITION TYPES, GENERAL NOTES, KEYED NOTES	
A000	SERIES	REMOVAL PLANS	
A100	SERIES	FLOOR PLANS, ROOF PLANS	
A151	SERIES	REFLECTED CEILING PLANS	
A201	SERIES	EXTERIOR ELEVATIONS	
A251	SERIES	INTERIOR ELEVATIONS	
A301	SERIES	BUILDING SECTIONS	
A401	SERIES	ENLARGED PLANS, ELEVATIONS, STAIR SECTIONS	
A500	SERIES	WALL AND ROOF TYPES	
A501	SERIES	EXTERIOR DETAILS	
A551	SERIES	INTERIOR DETAILS	
A601	SERIES	DOOR AND WINDOW DETAILS	
A701	SERIES	PHOTO SHEETS	
A801	SERIES	ARCHITECTURAL FINISHES	

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SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY

NOTES, SYMBOLS & ABBREVIATIONS

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REVISIONS
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BID DOCUMENTS
G002

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DESIGN SUPERVISOR: D. ADAMS[illegible]

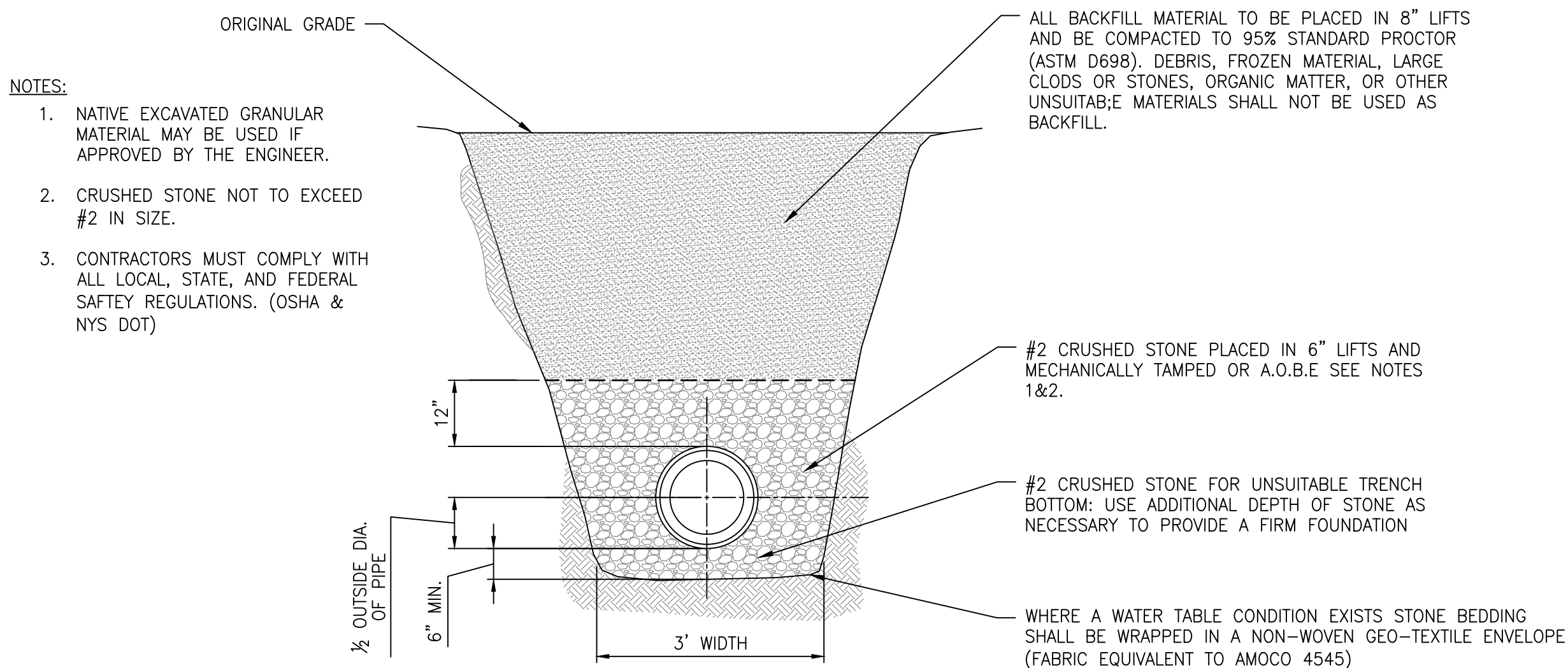
FILE NAME: N:\Projects\2024\124-2018 Thaler Realty LLC - Shalee Ben Rosenfeld
NOTE: IF A VIOLATION, DEAM, OR ANY PENALTY, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING
LAST SAVED BY: Kimb A. Benariewicz
LAST SAVED ON: Mar 12, 2025 9:25 AM
LAST SAVED AT: 124-2018 Thaler Realty LLC - Shalee Ben Rosenfeld
LAST SAVED BY: Kimb A. Benariewicz
LAST SAVED ON: Mar 12, 2025 9:25 AM
LAST SAVED AT: 124-2018 Thaler Realty LLC - Shalee Ben Rosenfeld

CHECKED BY: GREGORY BESWICK

DRAFTED BY: KAMIL BARANIEWICZ

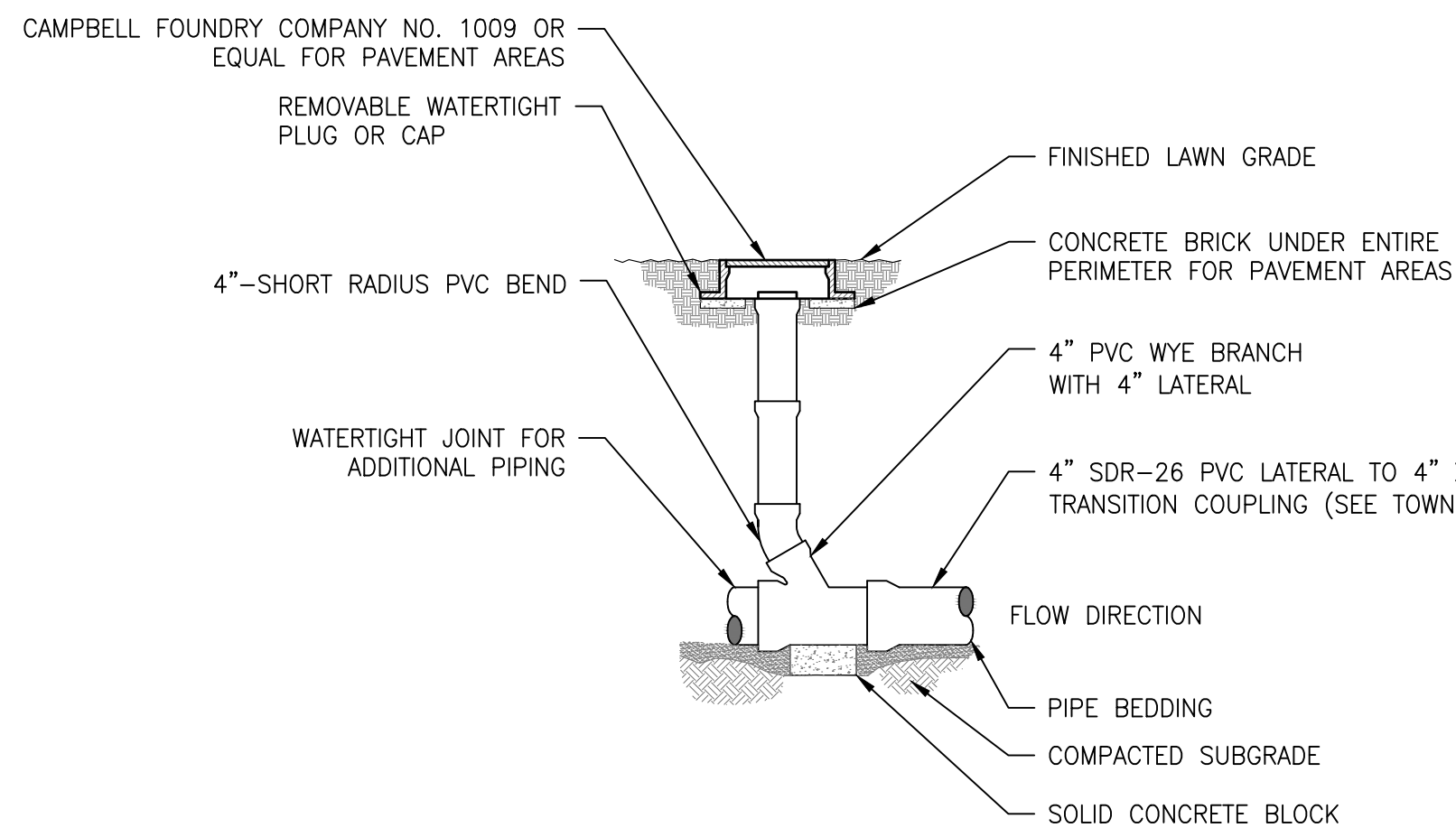
DESIGNED BY: KAMIL BARANIEWICZ

JOB MANAGER: GREGORY BESWICK

DESIGN SUPERVISOR: D. ADAMS

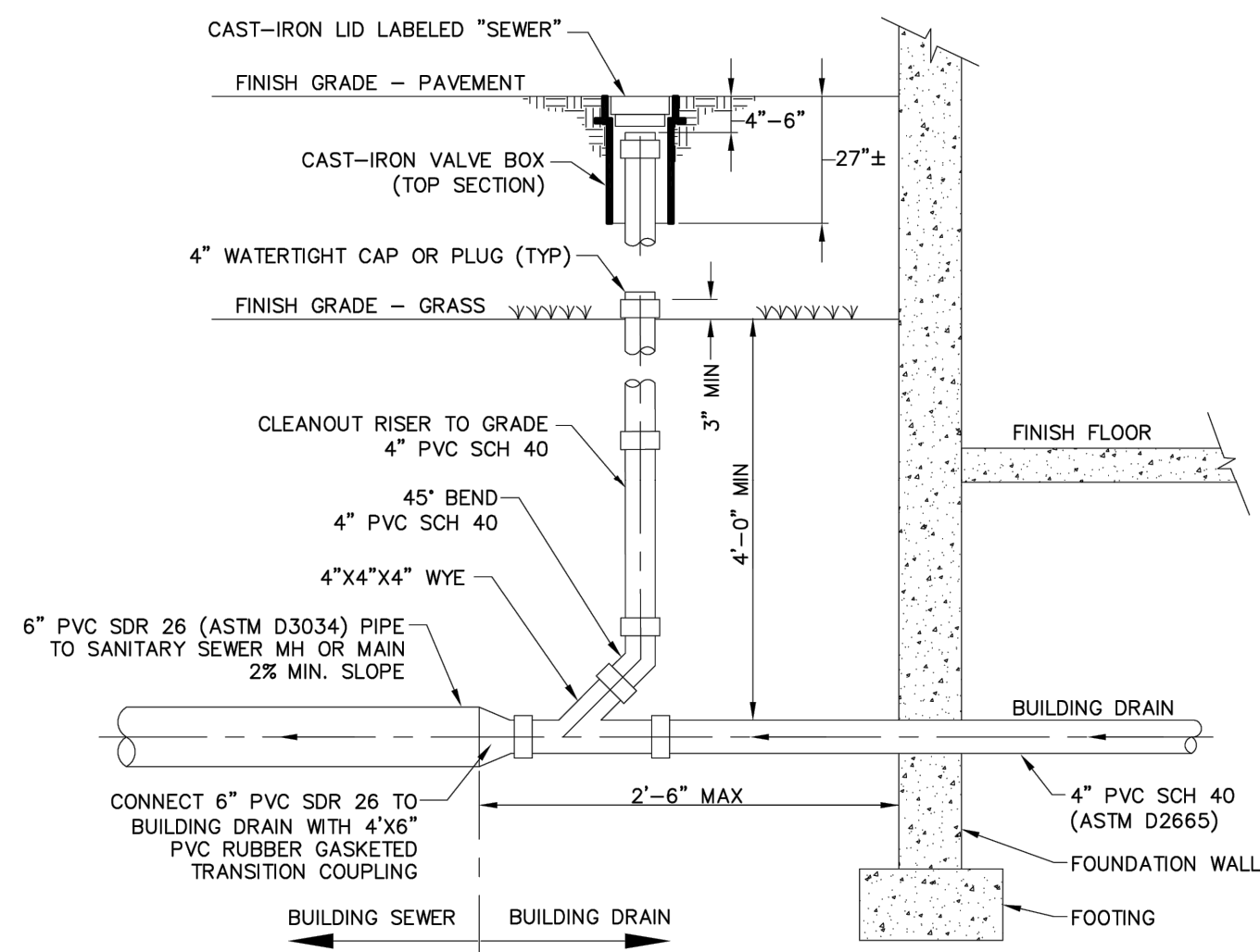
1 SANITARY SEWER TRENCH DETAIL

SCALE: NTS



2 CLEAN OUT DETAIL

SCALE: NTS

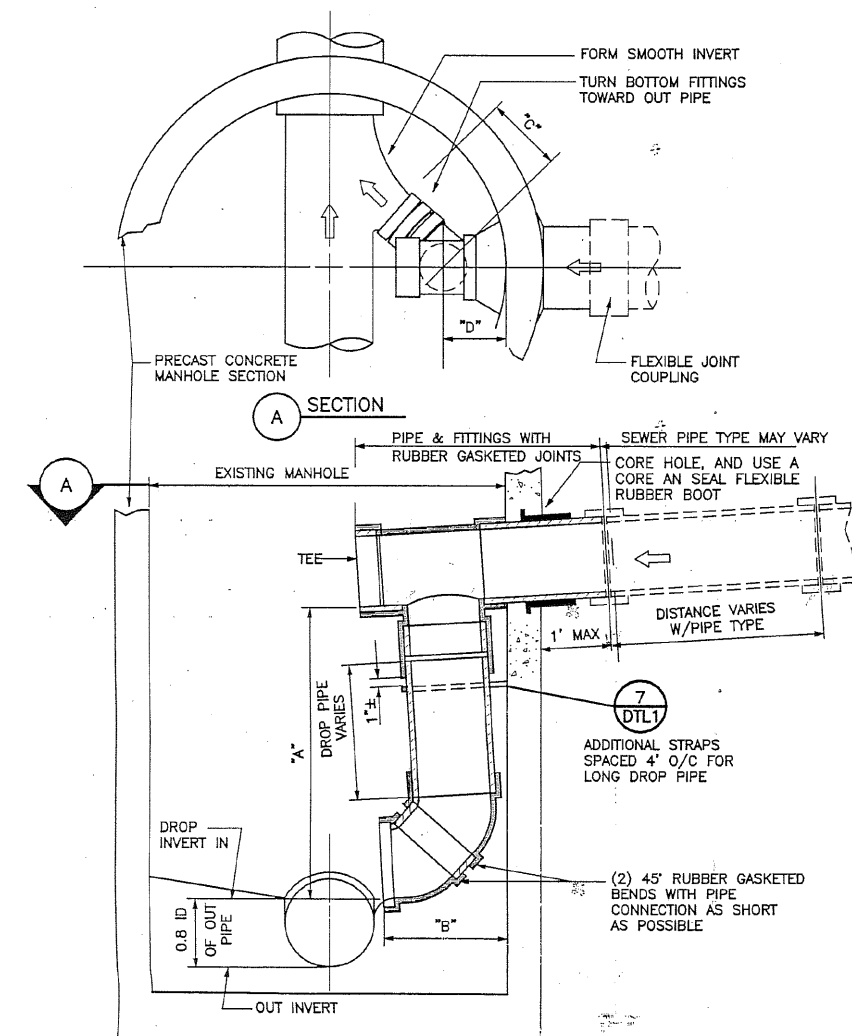


3 TOWN OF COLONIE BUILDING DRAIN DETAIL

SCALE: NTS

GENERAL NOTES:

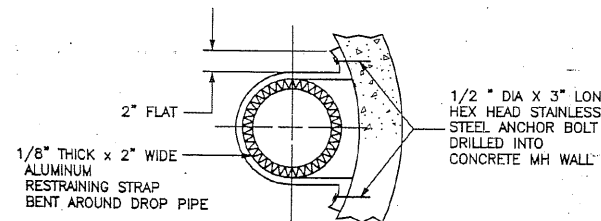
1. THE PLANS SHOW KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA. CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH MAY DIFFER FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. CALL BEFORE YOU DIG ® 1-800-962-7962.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THESE CONDITION(S) SHALL BE RESOLVED PRIOR TO THE CONTRACTOR PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE GRADING PLAN NOTES FOR ADDITIONAL DIRECTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
5. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONDUCT EXPLORATORY TEST PITS AS REQUIRED AND AT HIS/HER EXPENSE TO DETERMINE UNDERGROUND CONDITIONS.
7. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR Dewatering and the MAINTENANCE OF SURFACE DRAINAGE AND GROUNDWATER DURING THE COURSE OF WORK.
9. THE CONTRACTOR SHALL MAINTAIN FLOW FOR ALL EXISTING UTILITIES, CULVERTS, AND DITCHES.
10. THE CONTRACTOR IS TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS.
12. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN OPERATING CONSTRUCTION EQUIPMENT OVER NEW UTILITY TRENCHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM OF TWO FEET OR MORE, IF REQUIRED, OVER ANY UTILITY LINE SUBJECT TO CONSTRUCTION TRAFFIC.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH GOVERNING AGENCIES.
14. ALL PROPOSED WORK MAY BE VARIED IN THE FIELD BY THE ENGINEER TO MEET EXISTING CONDITIONS.
15. DISTURBED AREAS SHALL BE RESTORED AS WORK PROGRESSES AS DEEMED APPROPRIATE BY THE ENGINEER.
16. ALL EROSION CONTROL MEASURES SHALL BE PUT INTO PLACE PRIOR TO BEGINNING CONSTRUCTION.
17. EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT.
18. DIMENSIONS ARE FROM FACE OF BUILDING UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS INCLUDING BUT NOT LIMITED TO THE STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQR).
20. THE CONTRACTOR SHALL BEAR THE SOLE RESPONSIBILITY FOR ENSURING THAT ALL IMPROVEMENTS ARE COMPLETED IN ACCORDANCE WITH APPROVED PLANS, SPECIFICATIONS AND STANDARDS.
21. NO CERTIFICATE OF OCCUPANCY SHALL BE ISSUED BY THE BUILDING DEPARTMENT UNTIL ALL REQUIRED IMPROVEMENTS ARE SATISFACTORILY COMPLETED.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EXISTING PUBLIC HIGHWAYS AND ADJACENT LANDS FREE OF DEBRIS, SOIL AND OTHER MATTER WHICH MAY ACCUMULATE DUE TO CONSTRUCTION RELATED TO THE SITE.
23. CONTRACTOR SHALL VERIFY BUILDING LOCATION RELATIVE TO THE SITE PLAN LAYOUT AND CONFIRM SURVEY DATA PRIOR TO CONSTRUCTION STAKE-OUT.



IN SEWER & DROP SIZE	"A"	"B"	"C"	"D"
8"	1.9'	1'-6"	1' MIN	6" MIN
10"	2.7'	1'-9"	1'-2"	7"
12"	2.7'	1'-9"	1'-1"	8"
15"	3.2'	2'-2"	1'-5"	9"

6 INSIDE DROP MANHOLE

DTL1 SCALE: NONE
CROSS REFERENCE: NONE



7 RESTRAINING STRAP

DTL1 SCALE: NONE
CROSS REFERENCE: 6 / DTL1

4 DROP MANHOLE CONNECTION DETAIL

SITE PREPARATION NOTES:

A. GENERAL

1. ALL EXISTING GRADES BELOW PROPOSED FINISHED ELEVATIONS SHALL BE CLEARED AND GRUBBED OF EXISTING VEGETATION.

B. PROTECTION

1. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK DUE TO HIS CONTRACT OPERATIONS.
2. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
3. CONTRACTOR SHALL MAINTAIN PROPER SIGNS, BARRICADES, FENCES, TO PROPERLY PROTECT THE WORK, EQUIPMENT, PERSONS AND PROPERTY FROM DAMAGE.

C. REMOVALS

1. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE. REMOVE TREE ROOTS TO 24" DEPTH BELOW FINISHED GRADE, AND LEGALLY DISPOSE OF ALL MATERIAL OFFSITE.

SANITARY SEWER NOTES:

1. THE NEW SANITARY SEWER PIPING AND FITTINGS SHALL BE SDR-26 PVC AND CONFORM TO ASTM D-3034. ALL PIPE, FITTINGS AND APPURTENANCES TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
2. IN INSTANCES WHERE A MIN. OF 18" VERTICAL SEPARATION WILL NOT EXIST BETWEEN EXISTING POTABLE WATER MAIN AND NEW SANITARY SEWER, THE NEW SANITARY SEWER SHALL EITHER BE ENCASED WITH 3000 PSI CONCRETE OR ENCASED IN A POLYVINYL CHLORIDE CARRIER PIPE WITH A MIN. 150 PSI WORKING PRESSURE RATING.
3. NEW CONNECTION TO EXISTING SANITARY MANHOLE SHALL USE KOR-N-SEAL RING TO PROVIDE A WATER-TIGHT FITTING.
4. THE CONSTRUCTED SANITARY SEWER MAINS SHALL BE SUBJECT TO, AND PASS, THE FOLLOWINGS TESTS:
 - A. LEAKAGE TESTING IN ACCORDANCE WITH ASTM STANDARDS D3212, F1417, C969, AND C1244 FOR AIR, VACUUM, EXFILTRATION, AND INFILTRATION. LIGHT SHALL BE VISIBLE THROUGH THE SECTION OF PIPE LAMPED (FROM STRUCTURE TO STRUCTURE). OTHERWISE THE WORK SHALL BE CORRECTED UNTIL LIGHT IS VISIBLE.
 - B. ALIGNMENT TESTING BY LASER OR LAMPING.
 - C. DEFLECTION TESTING IN ACCORDANCE WITH ASTM STANDARDS D3034, F679, AND D2729.
6. THE CONTRACTOR SHALL COMPLETE ALL NECESSARY WORK TO ENSURE THE SYSTEM MEETS MINIMUM TESTING STANDARDS, AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL MAINTAIN FLOW IN THE EXISTING SEWERS AT ALL TIMES. COST FOR BYPASS PUMPING TO MAINTAIN EXISTING FLOWS TO BE INCLUDED IN THE PRICE BID FOR THE NEW SEWER.
8. TEMPORARY TRENCH SHORING IS TO BE USED ON ALL EXCAVATIONS EXCEEDING 5' IN DEPTH. ANY ADDITIONAL LABOR, MATERIALS, APPURTENANCES, ETC. NEEDED TO RECONSTRUCT THE SIDES, INVERTS AND BOTTOMS OF EXISTING PIPIES TO ACCOMMODATE THE NEW PIPE ARE TO BE INCLUDED IN THE PRICE BID FOR THE NEW SEWER SYSTEM.
10. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING SEWER SERVICE OR SEWER MAIN CAUSING AN INTERRUPTION IN SAID SERVICE, HE SHALL IMMEDIATELY CONTACT THE TOWN AND OWNER AND IMMEDIATELY COMMENCE WORK TO RESTORE THAT SERVICE AT HIS OWN EXPENSE. HE MAY NOT CEASE HIS WORK OPERATION UNTIL THAT SERVICE IS RESTORED.

[illegible]

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SHAKER BARN RESTROOM ADDITION
875 WATERVLIEET SHAKER ROAD
TOWN OF COLONIE NY

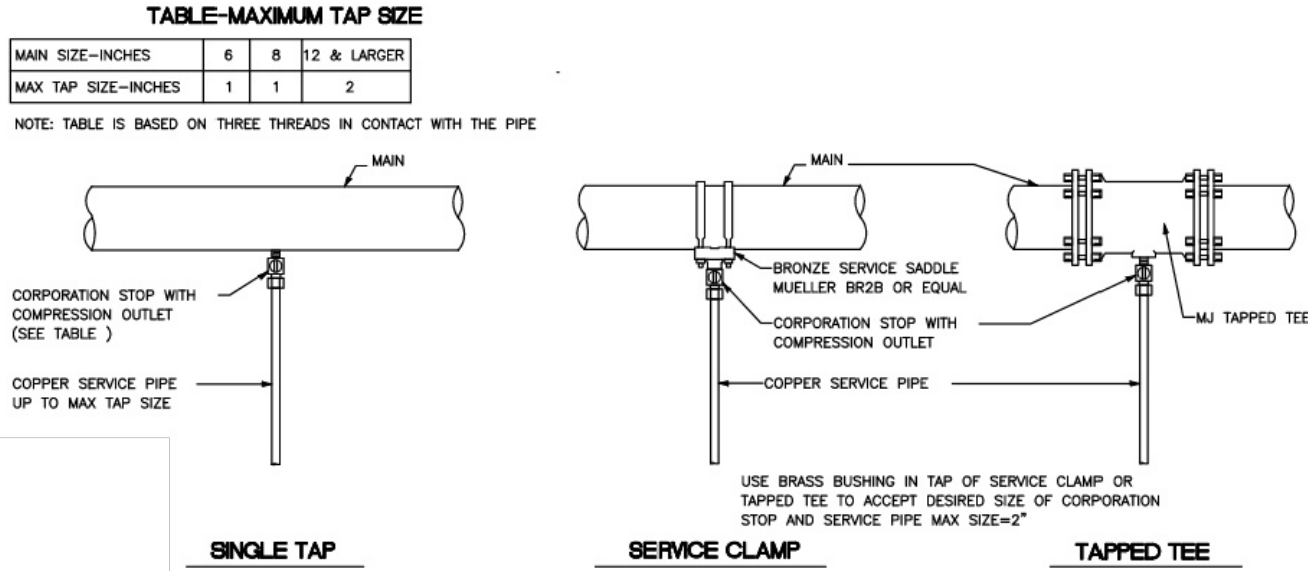
SANITARY CONSTRUCTION DETAILS & NOTES

DATE: MARCH 18 2025	CME No.: 124-208	SCALE: AS NOTED
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C-2

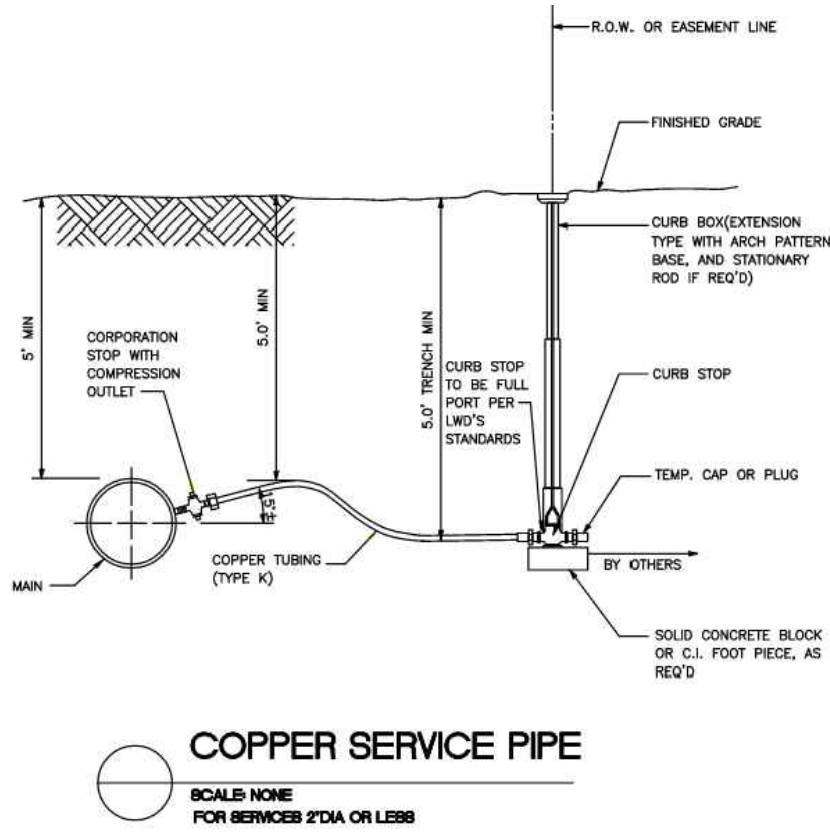
SHEET NUMBER 2 of 3

FILE NAME: N:\Projects\2024\124-208 Shaker Barn Restroom Addition.dwg USER: Kamil Baraniewicz DATE: 12/12/2024 10:00 AM
LAST SAVED BY: Kamil A. Baraniewicz LAST SAVED DATE: May 12, 2025 9:25 AM
PLOT DATE: May 12, 2025 9:25 AM
DESIGN SUPERVISOR: D. ADAMS
JOB MANAGER: GREGORY BESWICK
DESIGNED BY: KAMIL BARANIEWICZ
DRAFTED BY: KAMIL BARANIEWICZ
CHECKED BY: GREGORY BESWICK



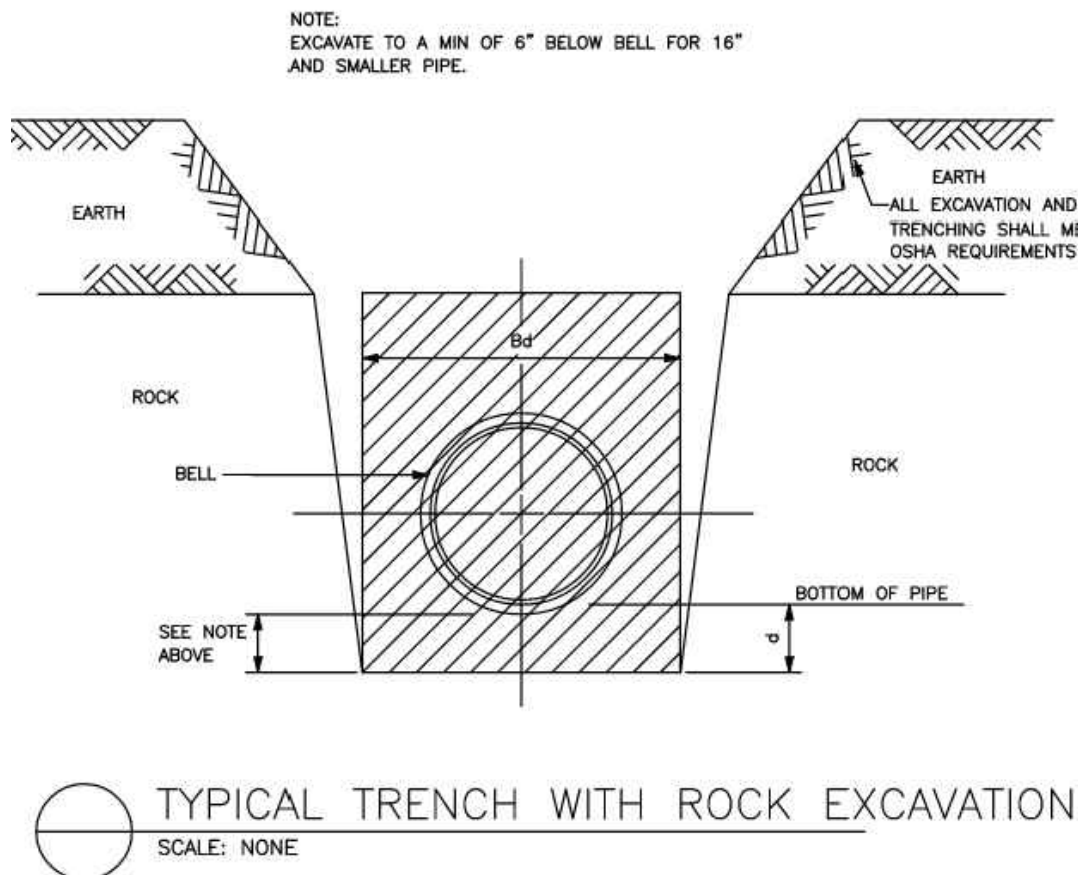
1 WATER CONNECTION DETAIL

SCALE: NTS



2 COPPER WATER SERVICE AND CURB BOX DETAIL

SCALE: NTS



3 WATER SERVICE TRENCH DETAIL

SCALE: NTS

WATER NOTES:

- AFTER TRENCH HAS BEEN BACKFILLED, HYDROSTATIC ACCEPTANCE TESTS, CONSISTING OF A PRESSURE TEST AND A LEAKAGE TEST, SHALL BE PERFORMED ON ALL SECTIONS OF WATER MAINS INSTALLED. LEAKAGE TEST SHALL BE CONDUCTED CONCURRENTLY WITH PRESSURE TEST. TEST SECTION SHALL BE LIMITED TO A MAXIMUM OF 2,000 FEET UNLESS OTHERWISE APPROVED BY ENGINEER.
- ALL TESTS, INSPECTIONS ETC. SHALL BE PERFORMED AND WITNESSED BY THE ENGINEER AND/OR THE TOWN OF BRUNSWICK. COMPLIANCE SHALL BE FORWARDED TO THE ENGINEER AND THE TOWN OF BRUNSWICK PRIOR TO ACCEPTANCE.
- ALL WATER FOR TESTS SHALL BE FURNISHED AND DISPOSED OF BY CONTRACTOR AT HIS EXPENSE. SOURCE AND/OR QUALITY OF WATER WHICH CONTRACTOR PROPOSES TO USE IN TESTING LINES SHALL BE ACCEPTABLE TO THE TOWN AND ENGINEER.
- HYDROSTATIC PRESUMPTIVE TESTS MAY BE PERFORMED WHEN SYSTEM IS PARTIALLY BACKFILLED TO SIMPLY CHECK WORK, BUT ACCEPTANCE OF SYSTEM SHALL BE BASED ON HYDROSTATIC TESTS RUN ON FINISHED SYSTEM AFTER IT HAS BEEN COMPLETELY BACKFILLED. ALL HYDROSTATIC TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT AWWA STANDARD FOR COPPER PIPES.



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SHAKER BARN RESTROOM ADDITION
875 WATERVLIET SHAKER ROAD
TOWN OF COLONIE, NY

WATER CONSTRUCTION
DETAILS & NOTES

DATE: MARCH 18 2025 CME No.: 124-208 SCALE: AS NOTED

C-3

SHEET NUMBER 3 of 3

GENERAL:

1. DESIGN IS PER THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS) AND THE 2020 EXISTING BUILDING CODE OF NEW YORK STATE, COLLECTIVELY REFERRED TO AS THE (BCNYS).
2. THESE STRUCTURAL DRAWINGS ARE NOT INTENDED AS STAND ALONE DOCUMENTS. REFER TO FULL CONSTRUCTION DOCUMENT PACKAGE FOR COMPLETE PROJECT INFORMATION AND DETAILS.
3. VERIFY ALL DIMENSIONS IN THE FIELD AS WORK PROGRESSES AND REPORT ANY DISCREPANCIES BETWEEN EXISTING WORK AND CONTRACT DOCUMENTS TO ARCHITECT AND ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
4. DO NOT SCALE DRAWINGS.
5. ALL DETAILS AND NOTES ARE TYPICAL UNO.
6. OBSERVE ALL CURRENT OSHA REQUIREMENTS.

FOUNDATION AND SLAB SUBGRADE PREPARATION NOTES:

1. CLEAR AND GRUB THE PROJECT WORK AREA.
2. EXCAVATE TO THE BOTTOM OF SUBGRADE FOR THE SLAB. SEE THE CONTRACT DRAWINGS FOR UNDERCUTS REQUIRED FOR STONE FILL, SUBBASE MATERIAL, AND/OR STRUCTURAL FILL BELOW THE SLAB.
3. CAREFULLY TRIM FINAL GRADES TO MINIMIZE DISTURBANCE TO THE EXISTING SUBGRADE SOIL.
4. COMPACT ALL ESTABLISHED FOOTING SUBGRADES WITH A SMOOTH DRUM WALK BEHIND 1-TON VIBRATORY ROLLER OR A RAMMER TYPE COMPACTOR TO SHAPE AND SEAL THE SOIL SURFACE. COMPLETE (3) OVERLAPPING PASSES.
5. MARK ALL AREAS OF SUBGRADE THAT PUMP, WEAVE, OR FAIL TO STABILIZE UNDER PROOF COMPACTION. OVER-EXCAVATE THESE AREAS TO REMOVE ALL ADDITIONAL UNSUITABLE MATERIAL UNDER THE DIRECT SUPERVISION OF THE OWNER'S REPRESENTATIVE OR ENGINEER.
6. REPLACE ALL OVER-EXCAVATED AREAS WITH STRUCTURAL FILL PLACED IN 8 INCH DEEP MAX LIFTS AND COMPACTED TO MINIMUM 95% MODIFIED PROCTOR.
7. DO NOT ALLOW SOILS TO FREEZE AT ANY TIME. USE A COMBINATION OF INSULATION MATERIALS AND SUPPLEMENTAL HEAT SOURCES TO PREVENT FREEZING.
8. REMOVE ALL EXCESS WATER THAT ACCUMULATES IN OR AROUND POOL STANDING WATER. BECOME SATURATED, FROZEN, OR BECOME DISTURBED AT THE DIRECTION OF THE ARCHITECT OR ENGINEER AT NO ADDITIONAL COST.

CONCRETE PLACEMENT NOTES:

1. CONCRETE COVER DISTANCES:
 - * FLOOR SLABS: 1-1/4" TOP COVER UNO
 - * THICKENED SLABS (FOOTINGS): 1-1/4" TOP COVER UNO
 - * THICKENED SLABS (FOOTINGS): 1-1/4" TOP COVER UNO
2. PLACE ALL FORMWORK AND REINFORCEMENT PER CURRENT EDITION OF ACI 301.
3. THE ALL REINFORCING SECURELY IN PLACE PRIOR TO CONCRETE POUR. WET SETTING OF DOUBTS IS NOT PERMITTED.
4. FOLLOW THE RECOMMENDATIONS OF ACI 308R DURING HOT WEATHER PLACEMENT
5. FOLLOW THE RECOMMENDATIONS OF ACI 308R DURING COLD WEATHER PLACEMENT.
6. CONSOLIDATE ALL CONCRETE WITH A VIBRATOR PER ACI RECOMMENDATIONS, INCLUDING SLABS.
7. PLUG SLAB ON GRADE CRACK CONTROL JOINTS AT LOCATIONS SHOWN IN PLANS. WHERE JOINTS ARE NOT SHOWN, CUT JOINTS AT A MAXIMUM SPACING OF 30 TIMES THE SLAB THICKNESS.
8. SAW CUT SLAB ON GRADE CRACK CONTROL JOINTS PER DRAWING DETAILS WITH AN EARLY ENTRY SAW AFTER PLACEMENT FINISH FINISHING.
9. CONCRETE MAY BE BLOWN OUT WITHOUT DISLODGING AGGREGATE, BUT NOT LATER THAN 4 HOURS AFTER PLACEMENT FINISH FINISHING.

STRUCTURAL DESIGN DATA	
RISK CATEGORY	II
SOIL BEARING CAPACITY	NOT APPLICABLE
LIVE LOADS	LIVE LOADS
RESTROOMS	60 PSF
CORRIDOR	100 PSF
DEAD LOADS	DEAD LOADS
FIRST FLOOR (6" CONCRETE SLAB)	75 PSF
SNOW LOAD DESIGN	SNOW LOAD DESIGN
GROUND SNOW LOAD, Pg	40 PSF
WIND LOAD DESIGN	WIND LOAD DESIGN
BASIC DESIGN WIND SPEED, Vult	110 MPH
SERVICE DESIGN WIND SPEED, Vasd	86 MPH
WIND EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, Gcpi	+/- 0.18
SEISMIC DESIGN	SEISMIC DESIGN
SEISMIC LOAD IMPORTANCE FACTOR, Ie	1.0
MAPPED SPECTRAL RESPONSE ACCELERATION, Ss	0.205
MAPPED SPECTRAL RESPONSE ACCELERATION, S1	0.061
SPECTRAL RESPONSE COEFFICIENT, Sds	0.218
SPECTRAL RESPONSE COEFFICIENT, Sd1	0.098
SITE CLASSIFICATION (SOIL TYPE)	D (ASSUMED)
BASIC FORCE RESISTING SYSTEM	LIGHT-HFRAME WOOD WALLS SHEATHED
RESPONSE MODIFICATION FACTOR, R	6.5
SEISMIC DESIGN CATEGORY (SDC)	B
SEISMIC RESPONSE COEFFICIENT, Cs	0.034
SEISMIC BASE SHEAR	NOT APPLICABLE
ANALYSIS PROCEDURE	NOT APPLICABLE

STRUCTURAL DRAWING LEGEND

NUMBER	TITLE
REF:	SCALE

STRUCTURAL DRAWING ABBREVIATIONS

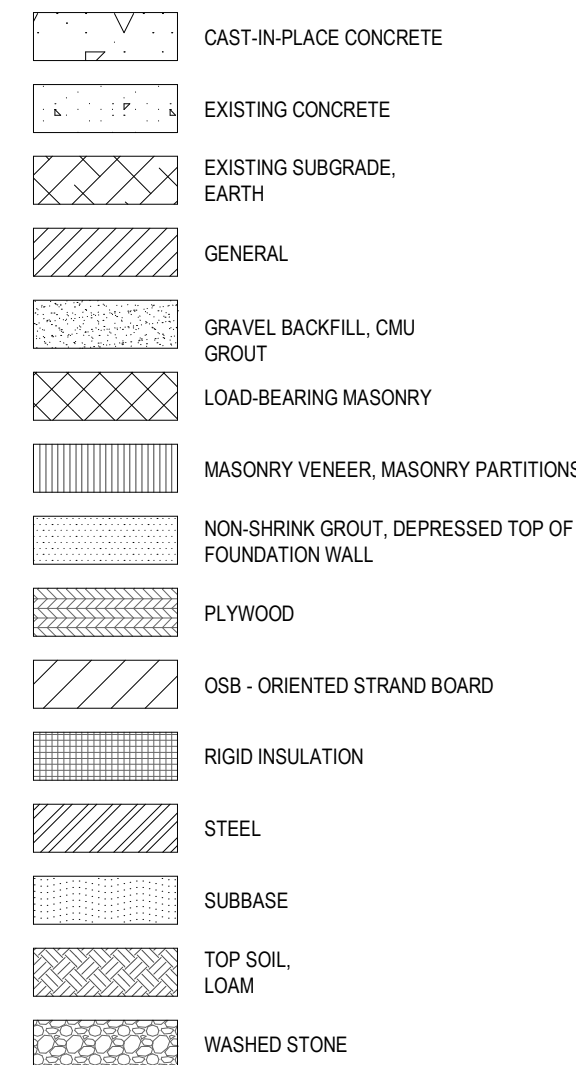
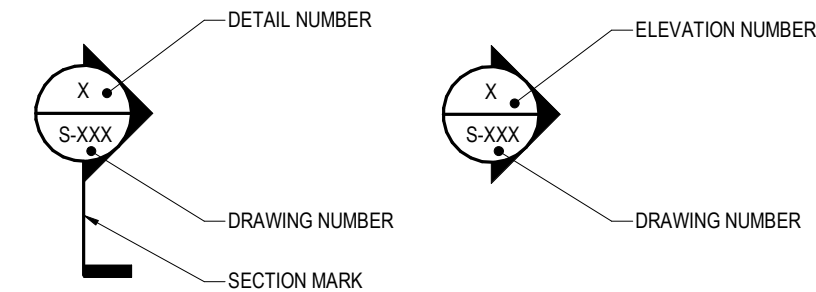
ADJ	ADDITIONAL
ADJ	ADJUNCT
AFB	ADJUSTED FINISHED FLOOR
APPROX	APPROXIMATE
FFTG	SQ FT OF FOOTING
BLDG	BUILDING
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
CANT	CANTILEVER
CH	CHANGING METAL CRANE
FCJ	SAFETY SLIDING SLAT JOIN
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINGUOUS
COORD	COORDINATE
DIAM	DIAMETER
DM	DIMENSION
DN	DOWN
DO	DITTO
DWG	DRAWING
EA	EACH
EL	ELEVATION
EMBD	EMBED, EMBEDMENT
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQL	EQUAL
EQP	EQUIPMENT
ES	EACH SIDE

STRUCTURAL DRAWING ABBREVIATIONS

EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FOX	FOAM
FW	FACE OF WALL
FS	FR SIDE
FTG	FOOTING
GA	GAGE
GWB	GYPSPUM WALL BOARD
HT	HOT RIP GALVANIZED
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SHAPE
ID	INSIDE DIAMETER
INFO	INFORMATION
INT	INTERIOR
INV	INVERT
LG	LONG
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LVL	LAMINATED VENEER LUMBER
LX	LENGTH
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE

STRUCTURAL DRAWING ABBREVIATIONS

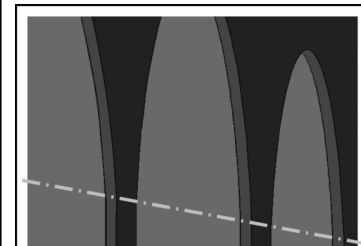
NW	NORMAL WEIGHT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
PAF	POUNDER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PERP	PERPENDICULAR
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINTER TREATED
REINF	REINFORCEMENT
REQD	REQUIRED
REV	REVISED, REVISION
RO	ROUGH OPENING
SIM	SIMILAR
SP	SPACE, SPACES, SPACED
SQ	SQUARE
STD	STANDARD
STL	STEEL
T/	TOP OF
TY	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	WITH IN FIELD
W	W/
WCJ	WELD CONTROL JOINT
WWR	WELDED WIRE REINFORCEMENT



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SPRING LINE DESIGN
ARCHITECTURE + ENGINEERING

SHAKER BARN RESTROOM
SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
FIRST FLOOR SLAB PLAN

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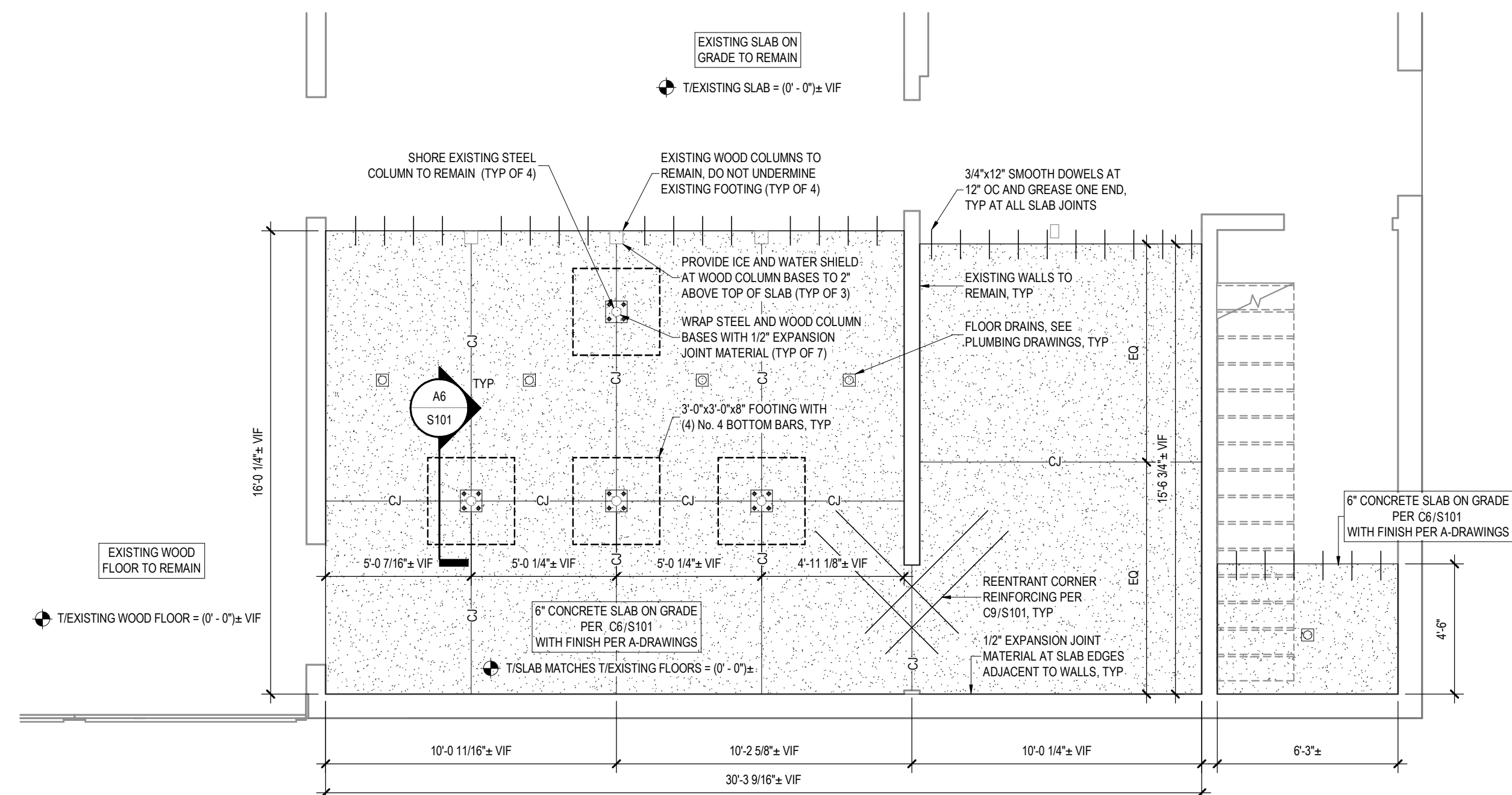
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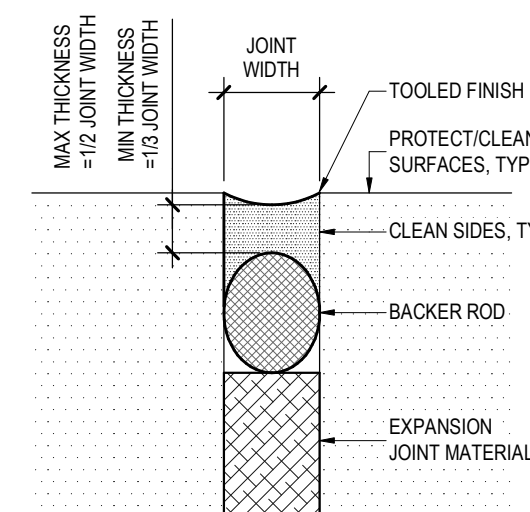
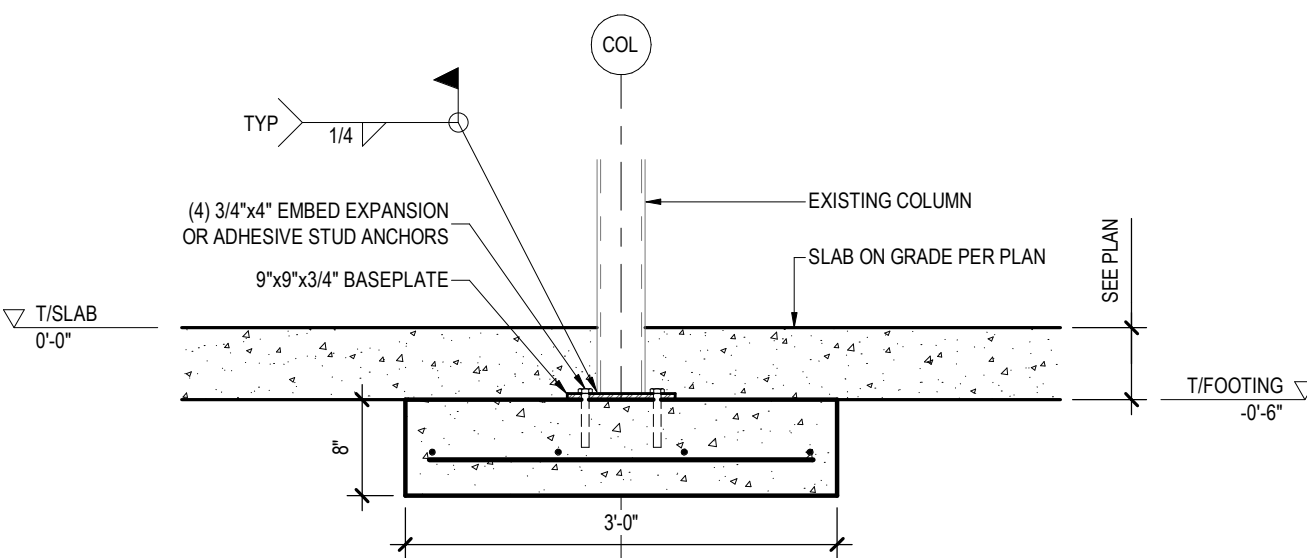
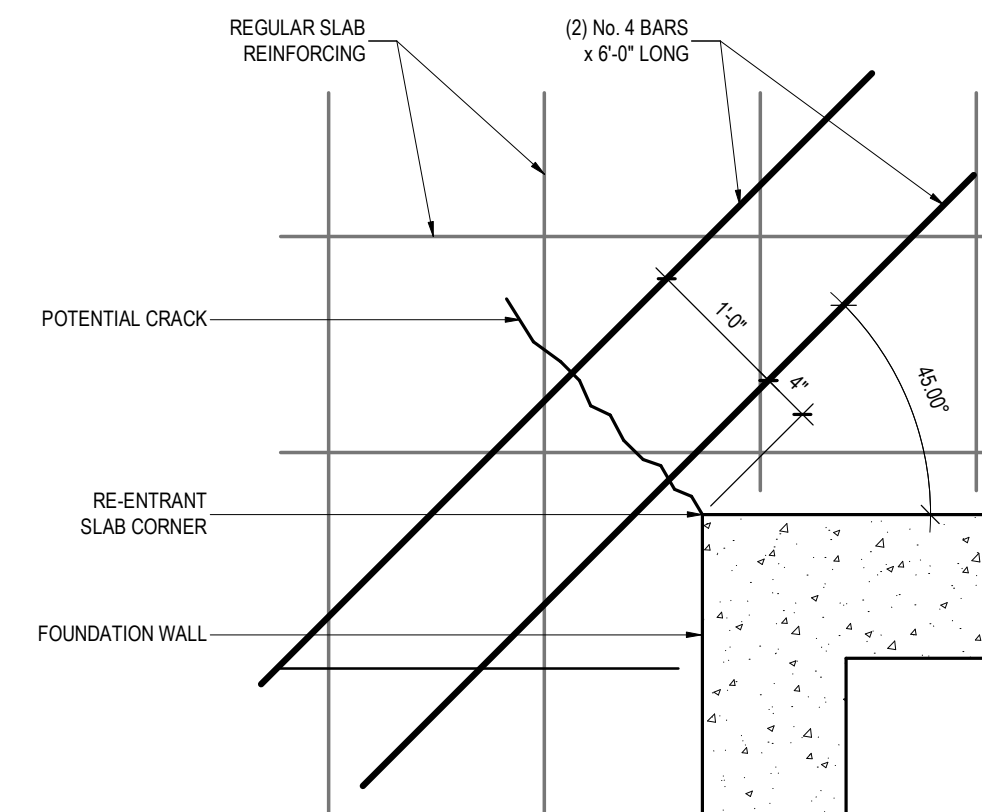
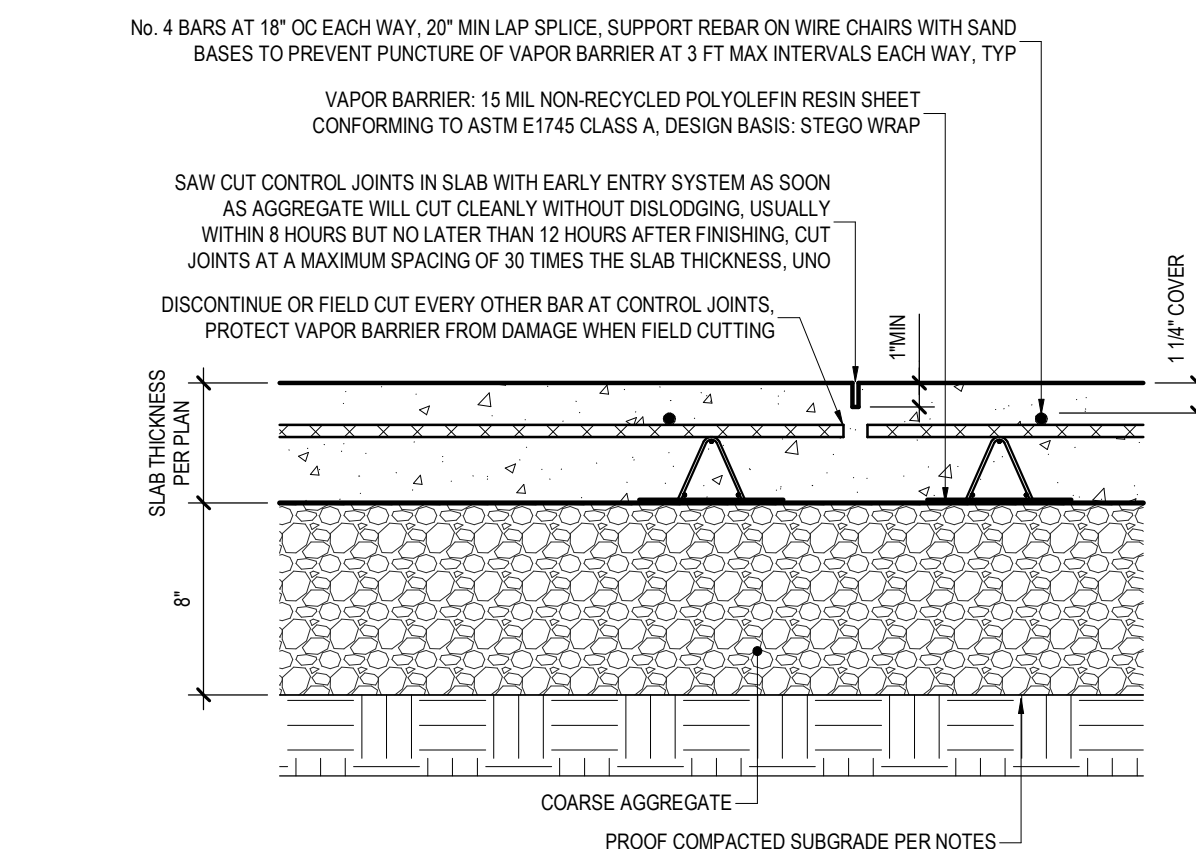
S101

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SLAB PLAN NOTES

1. PROJECT REFERENCE ELEVATION = 0'-0" AT TOP OF EXISTING WOOD FLOOR AND CONCRETE SLAB
2. SEE DETAIL S-101 FOR CONCRETE SLAB-ON-GRADE AND CONTROL JOINT DETAILS.
3. SEE S-101 FOR ADDITIONAL FOUNDATION, EXCAVATION, AND GENERAL NOTES.





GENERAL REMOVAL NOTES: 1. REFER TO CIVIL DRAWINGS FOR SITE-RELATED INFORMATION. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR REMOVALS IN ADDITION TO THOSE INDICATED ON THIS DRAWING. 2. TAKE ALL PRECAUTIONS TO STABILIZE AND PREPARE THE EXISTING BUILDING FOR NEW WORK. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING CONSTRUCTION. 3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR CEILING-RELATED REMOVALS.
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D1 PHOTO 1A
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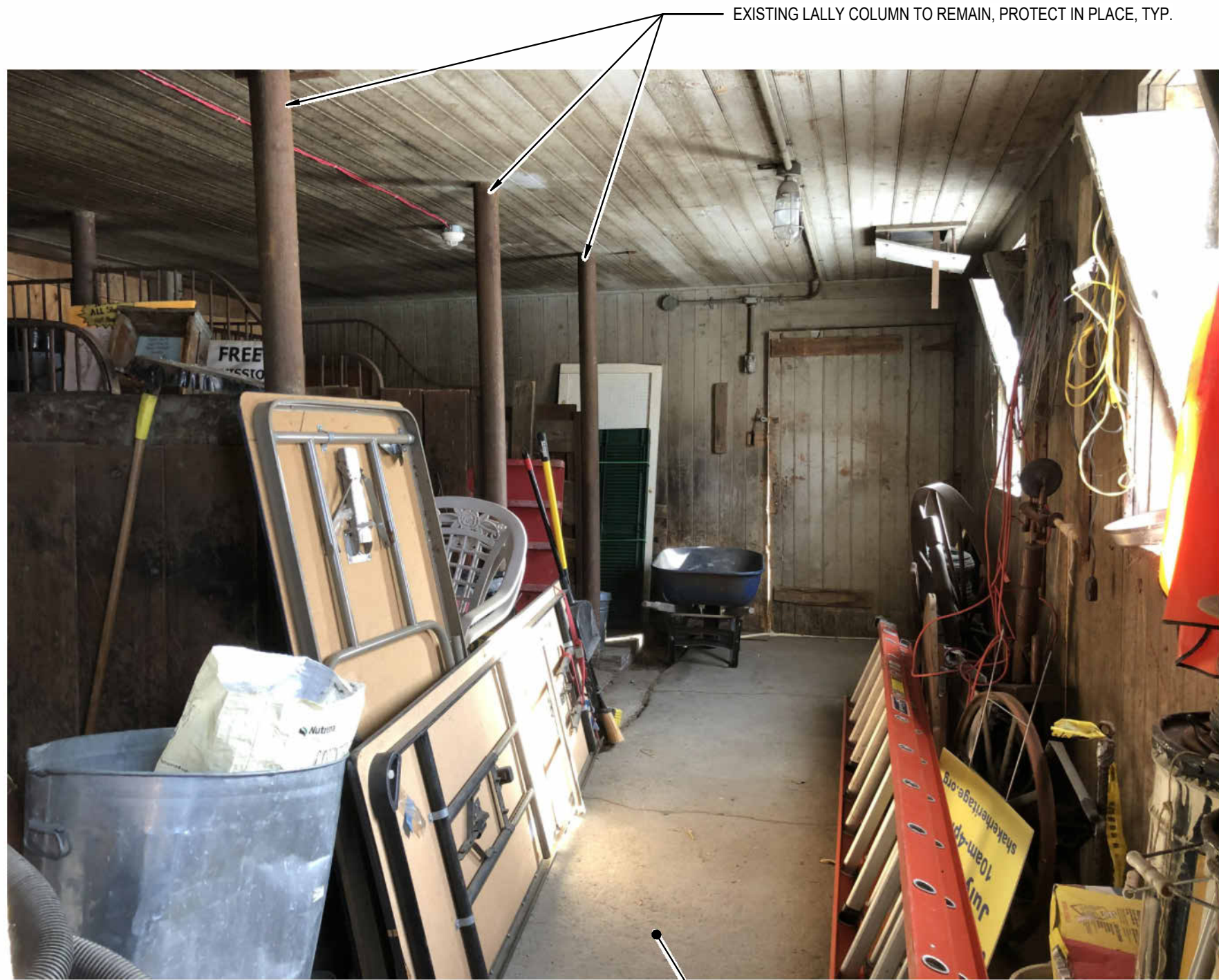
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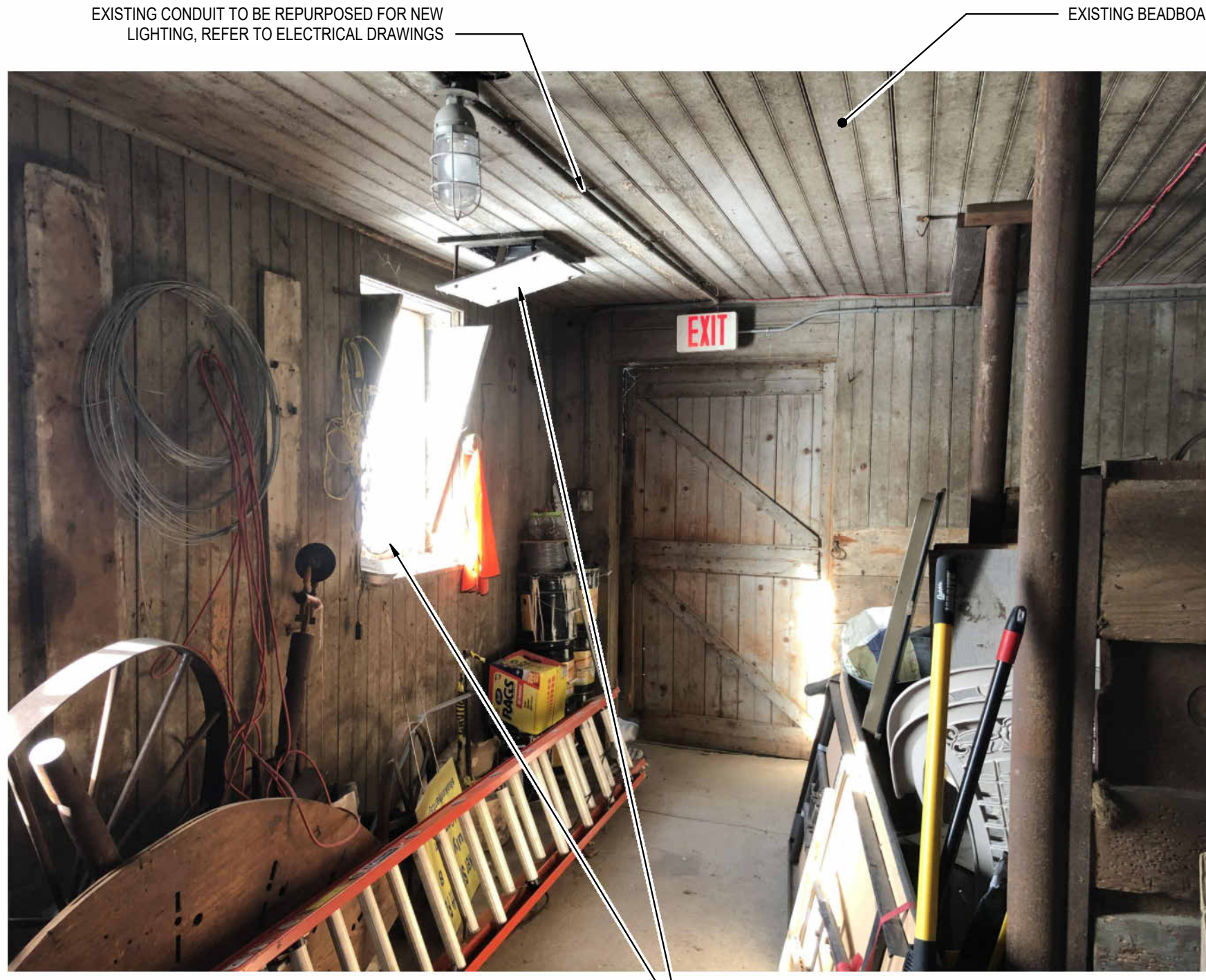
D6 PHOTO 1C
AR02



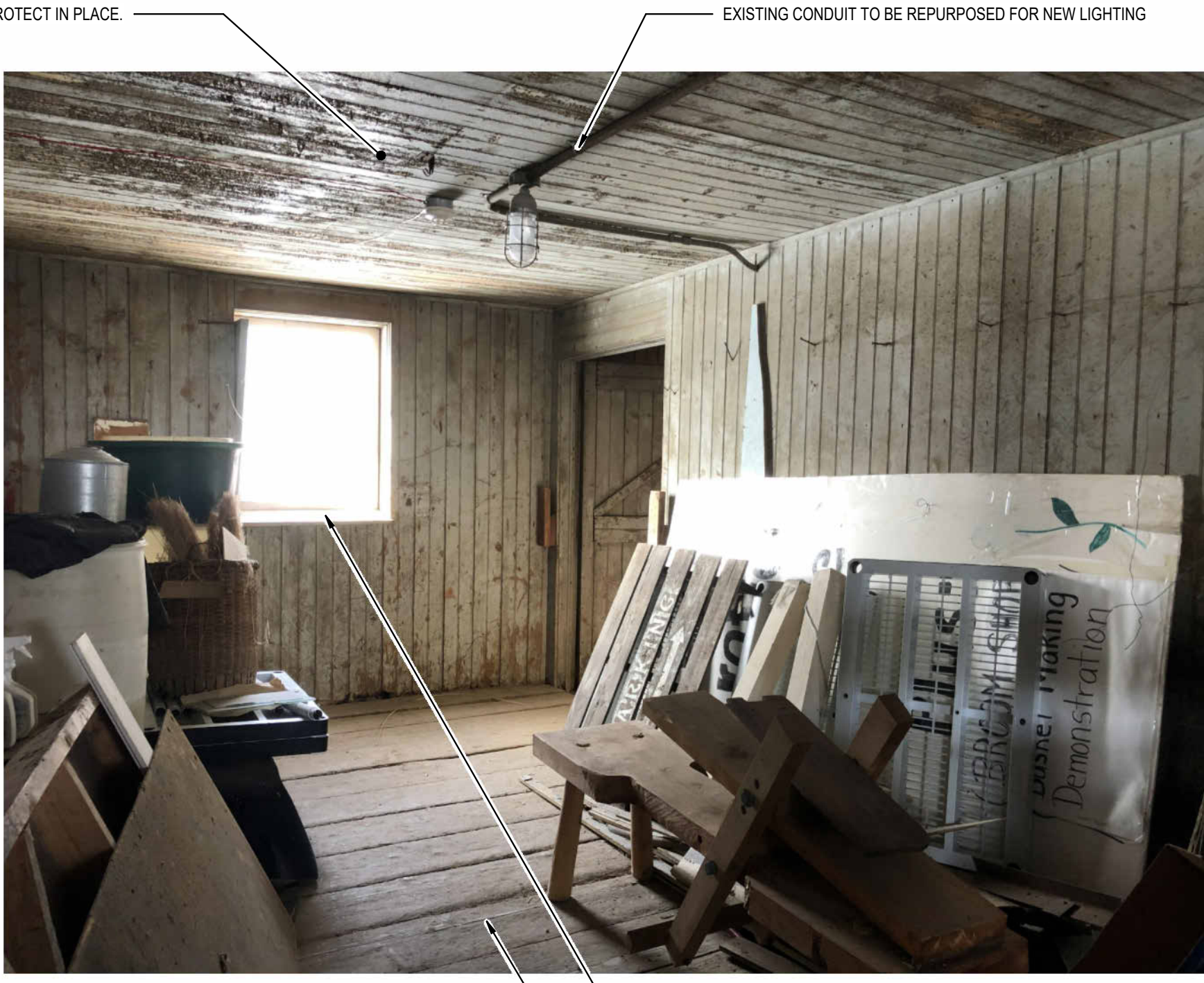
D8 PHOTO 1D
AR02



A1 PHOTO 1E
AR02



A4 PHOTO 1F
AR02



A7 PHOTO 1G
AR02

1 2 3 4 5 6 7 8 9 10

SHAKER BARN RESTROOM
SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
PHOTOS OF EXISTING CONDITIONS

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E1 PHOTO 2A
AR03



E4 PHOTO 2B
AR03



E7 PHOTO 2C
AR03



C1 PHOTO 2D
AR03



C3 PHOTO 2E
AR03

REMOVE BEADBOARD WALL AND WINDOW BETWEEN THE ANIMAL STALLS AND WORKSHOP COMPLETELY



C6 PHOTO 2F
AR03



C8 PHOTO 2G
AR03

CAREFULLY REMOVE EXISTING WOOD CABINET TO BE SALVAGED AND RETURNED BACK TO OWNER



C9 PHOTO 2H
AR03

STAIR TO LOFT



A1 PHOTO 2I
AR03



A3 PHOTO 2J
AR03



A5 PHOTO 2K
AR03



A8 PHOTO 2L
AR03

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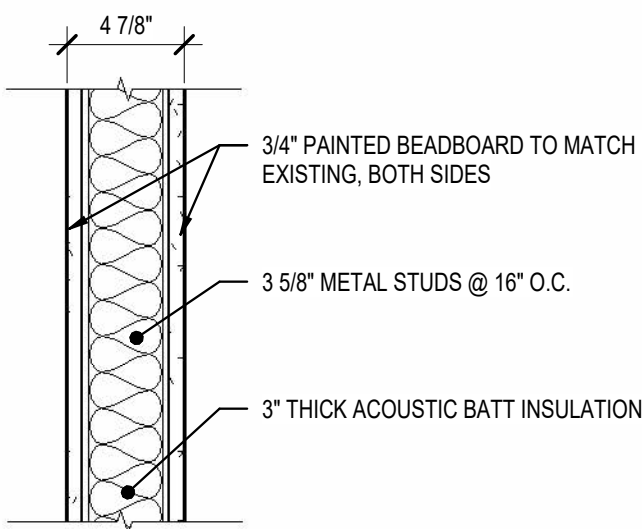
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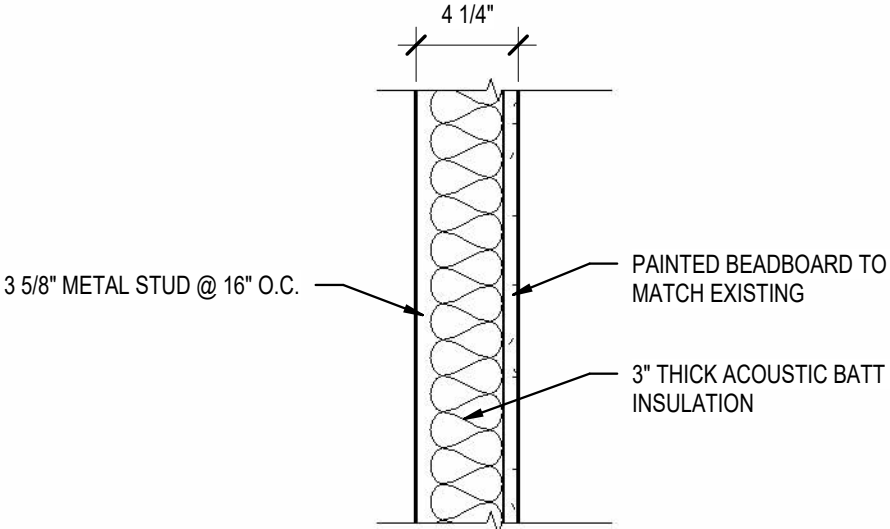
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NOTES: ALL WALL TYPES ARE NOT FIRE-RATED UNLESS NOTED OTHERWISE.



M30

E1 METAL STUD PARTITION TYPES
A010 1 1/2\"/>



F30

E7 FURRED WALL TYPES
A010 1 1/2\"/>



D6 PHOTO OF EXISTING BEADBOARD
AR03

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TYPICAL WALL ASSEMBLIES

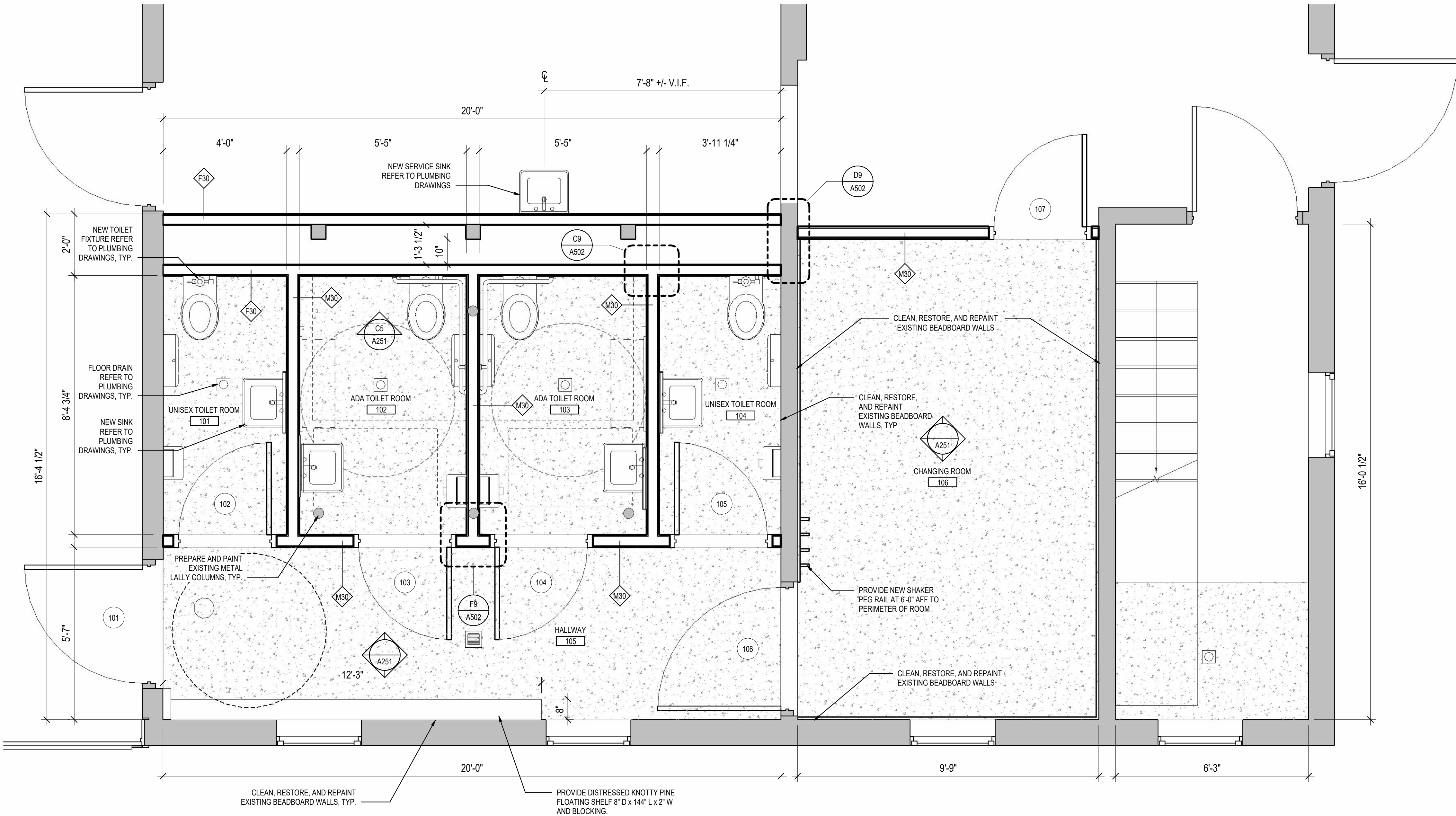
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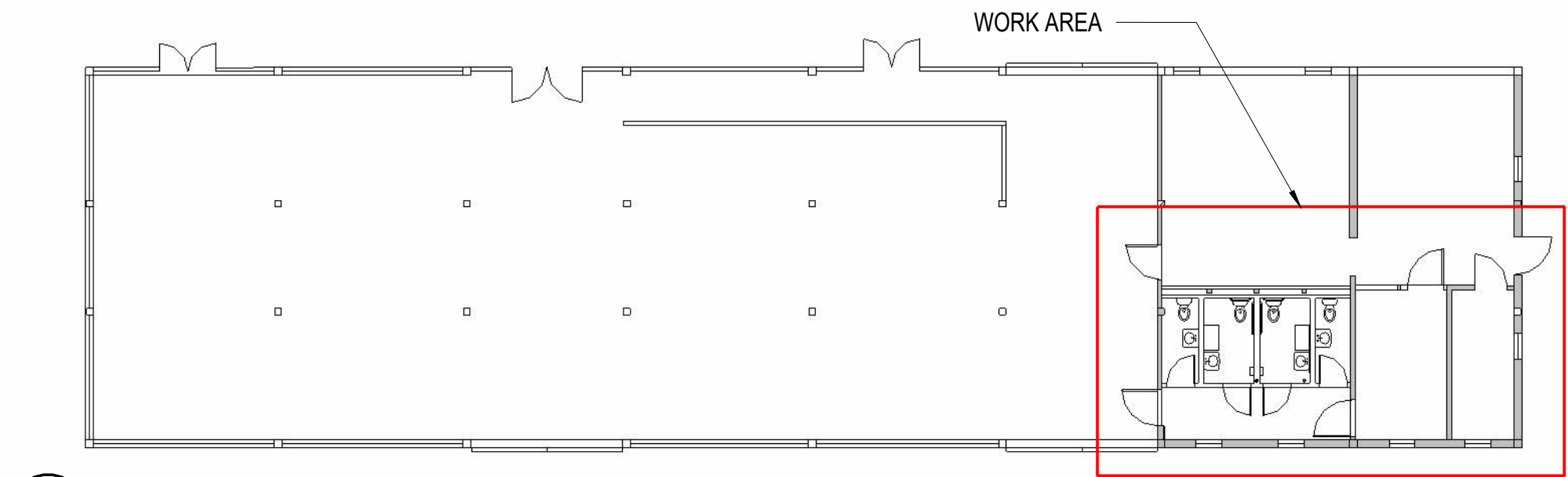
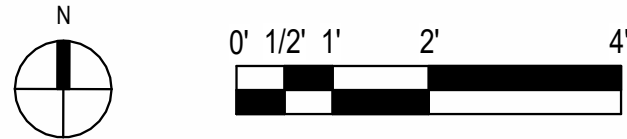
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B1 01 - FIRST FLOOR PLAN
A101 1/2" = 1'-0"



KEY PLAN
1/16" = 1'-0"

SHAKER BARN RESTROOM
SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
ENLARGED TOILET ROOM PLAN

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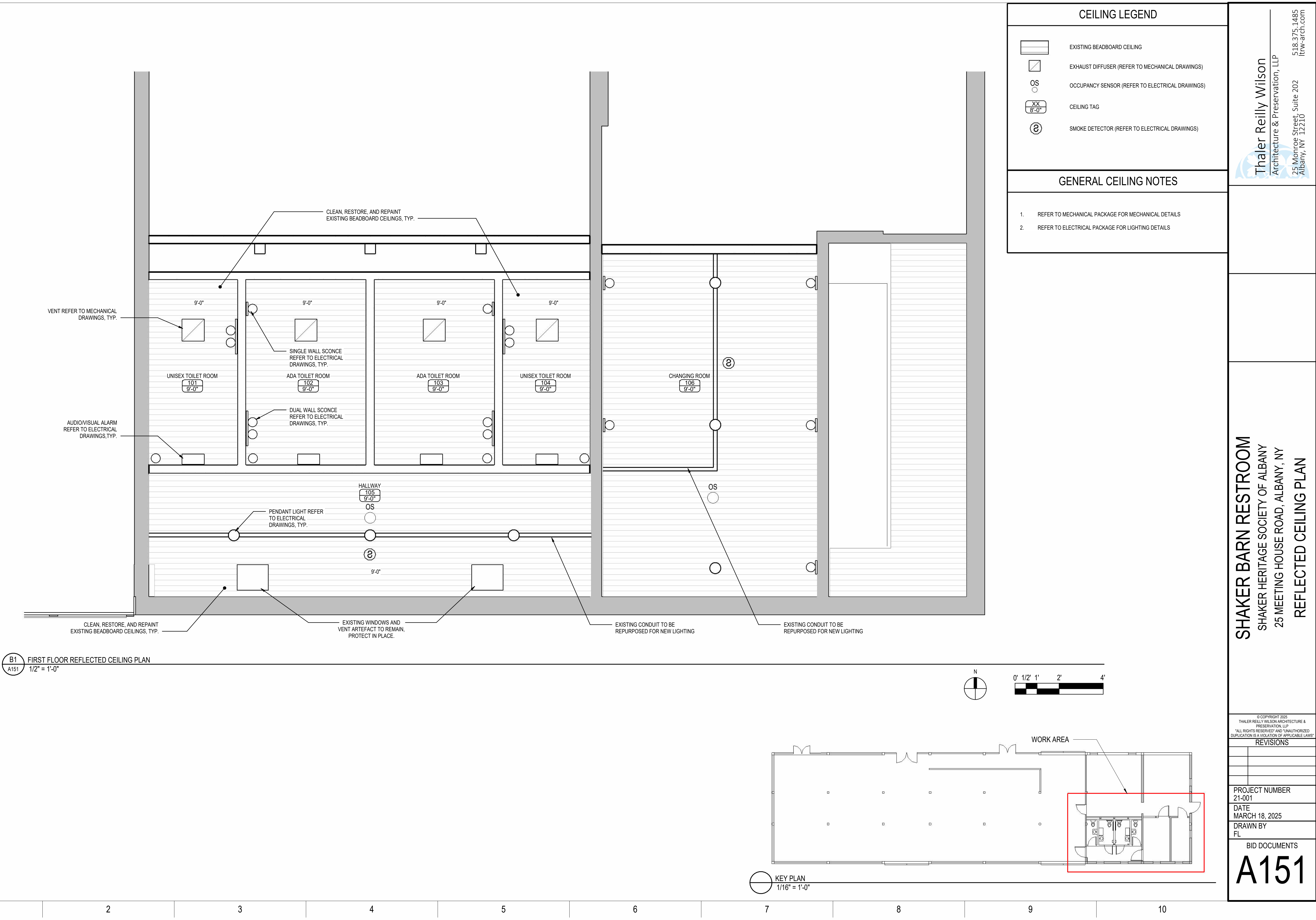
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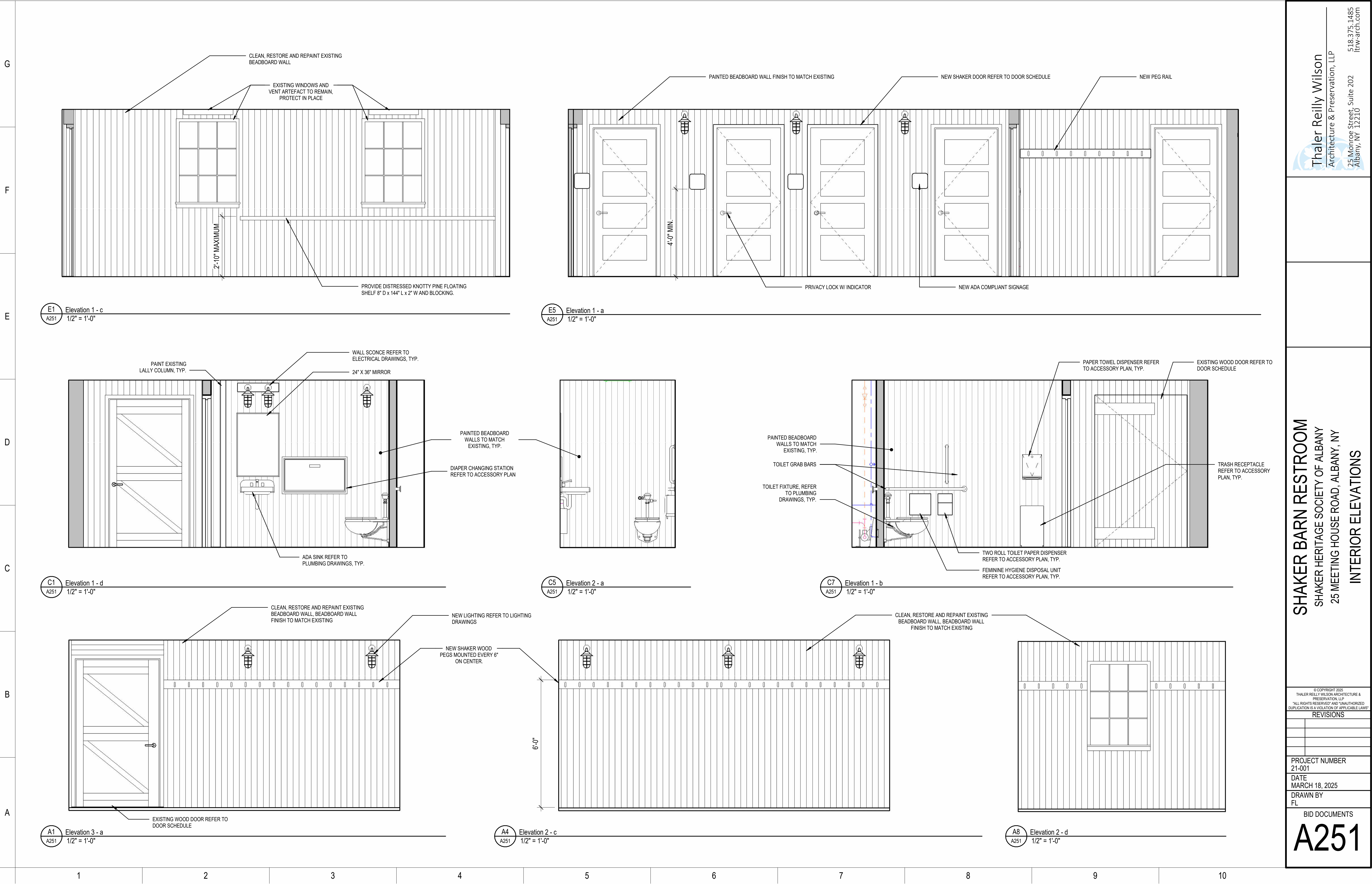
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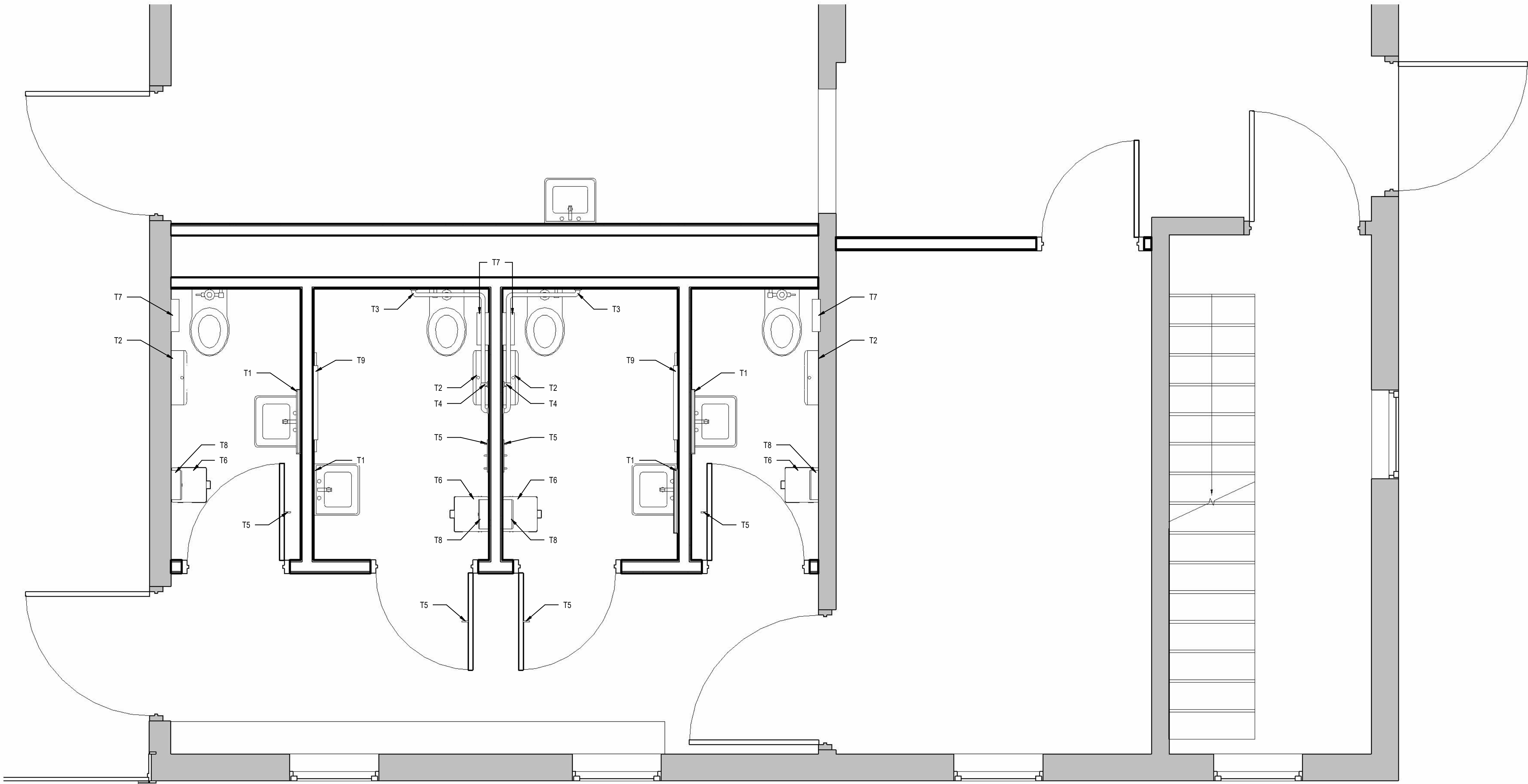
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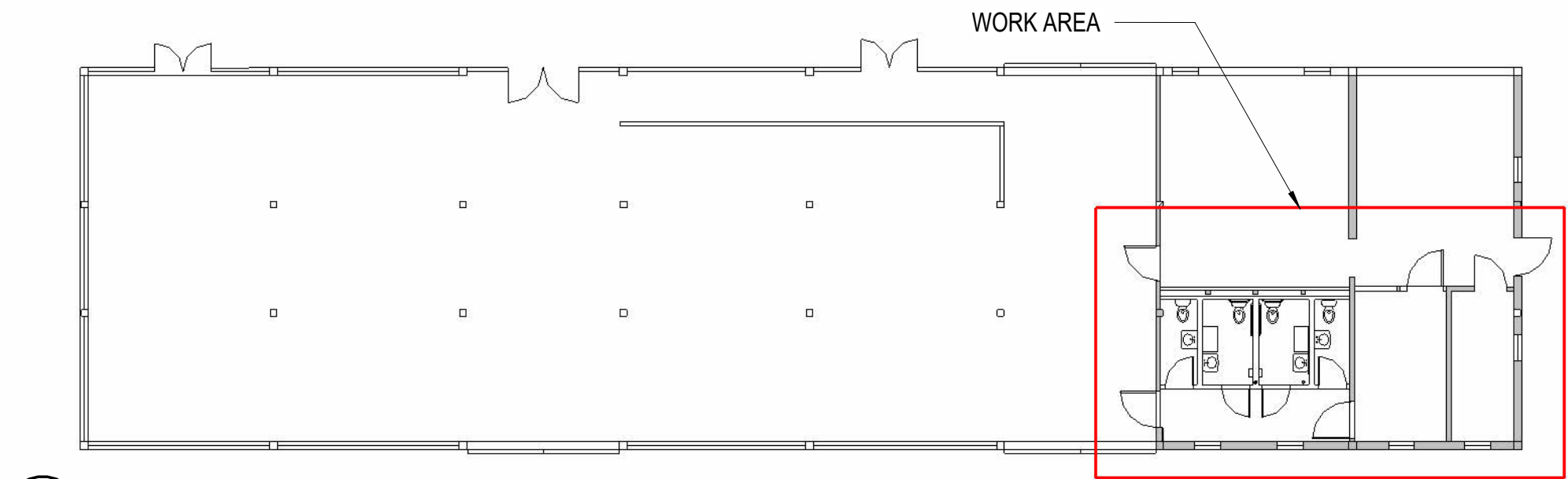


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B1 BATHROOM ACCESSORY PLAN
A252 1/2" = 1'-0"

TOILET ACCESSORIES PROVIDED BY CONTRACTOR		
TAG	ITEM	TOTAL NUMBER OF UNITS
T1	MIRROR (VANITY) 22" X 36"	4
T2	TOILET PAPER DISPENSER	4
T3	TWO WALL HORIZONTAL GRAB BAR	2
T4	VERTICAL GRAB BAR	2
T5	COAT HOOK	4
T6	WASTE RECEPTACLE	4
T7	FEMININE HYGIENE DISPOSAL	4
T8	PAPER TOWEL DISPENSER	4
T9	DIAPER CHANGING STATION	2



KEY PLAN
1/16" = 1'-0"

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25 MEETING HOUSE ROAD, ALBANY, NY
TOILET ROOM ACCESSORY PLAN

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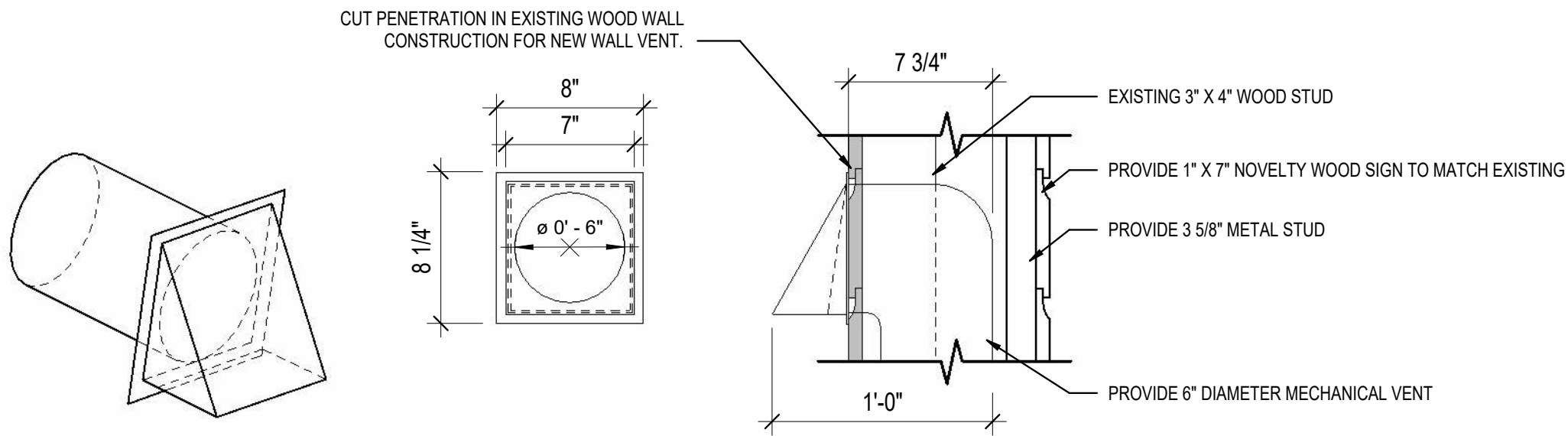
E1 INTERIOR VIEW 1
1/8" = 1'-0"



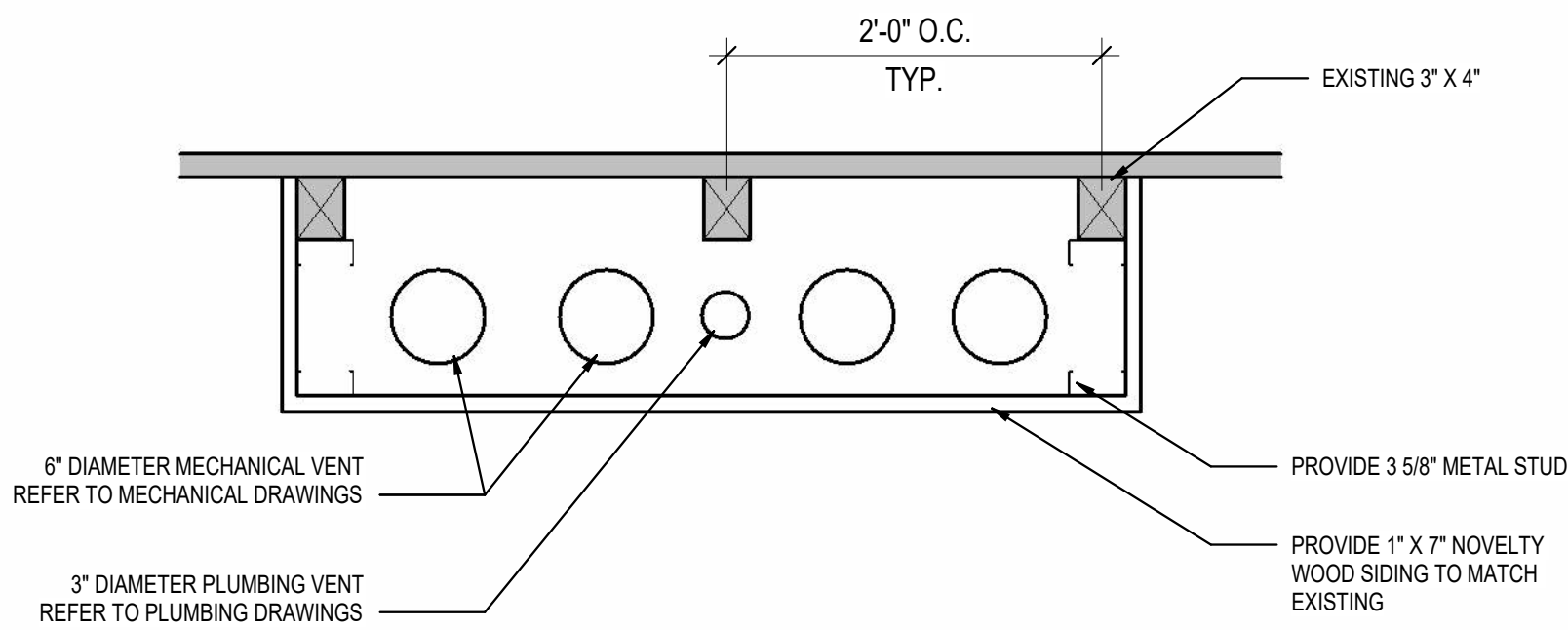
E4 INTERIOR VIEW 2
1/8" = 1'-0"



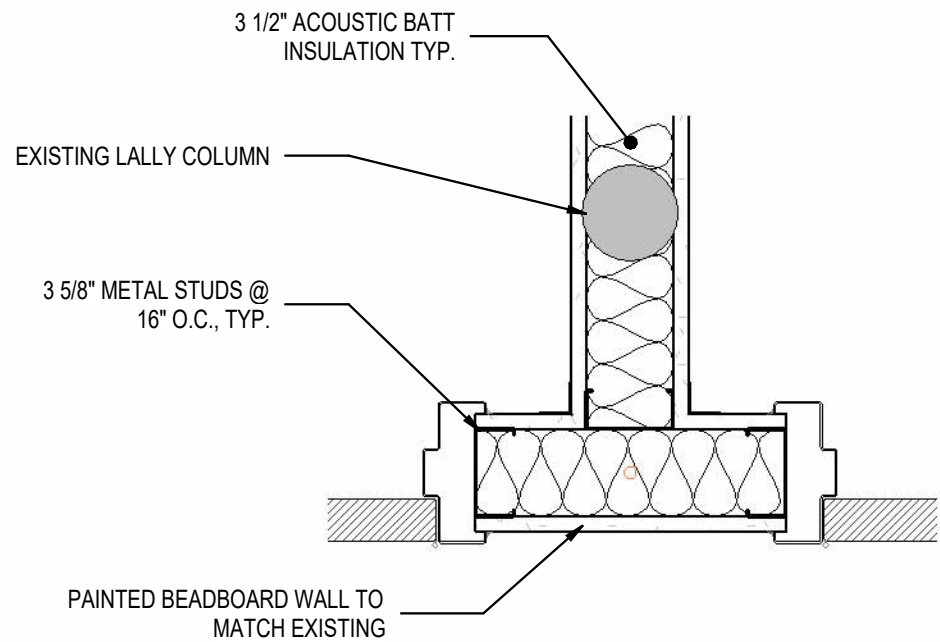
B1 EXTERIOR ELEVATION 1
1/8" = 1'-0"



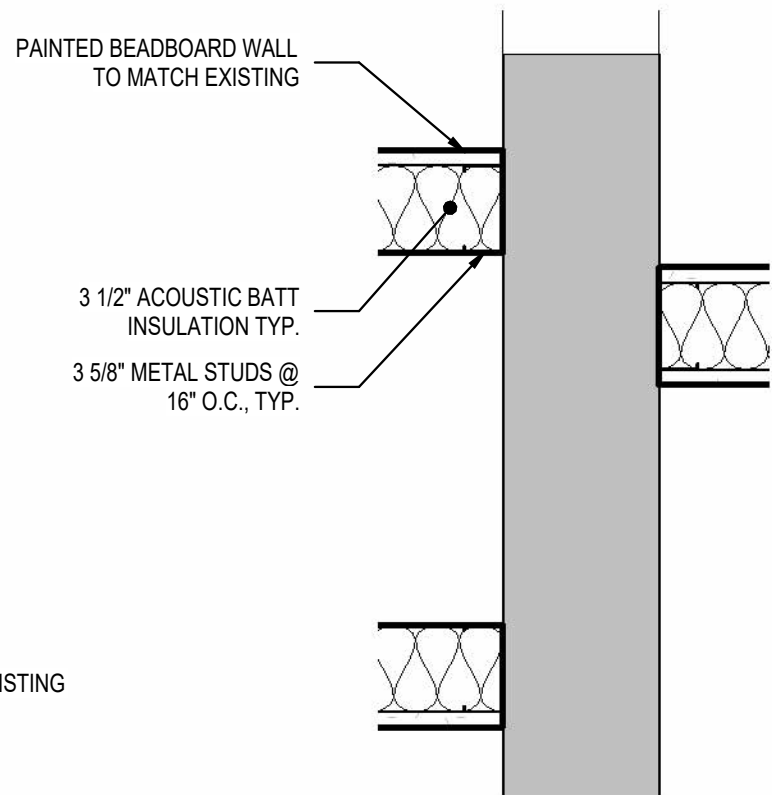
C5 WALL VENT
1 1/2" = 1'-0"



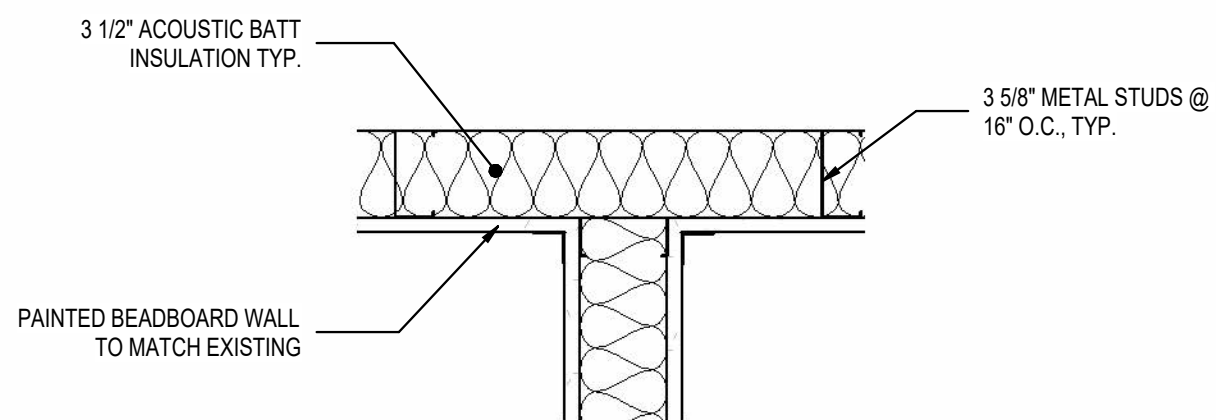
B5 VENT ENCLOSURE PLAN
1" = 1'-0"



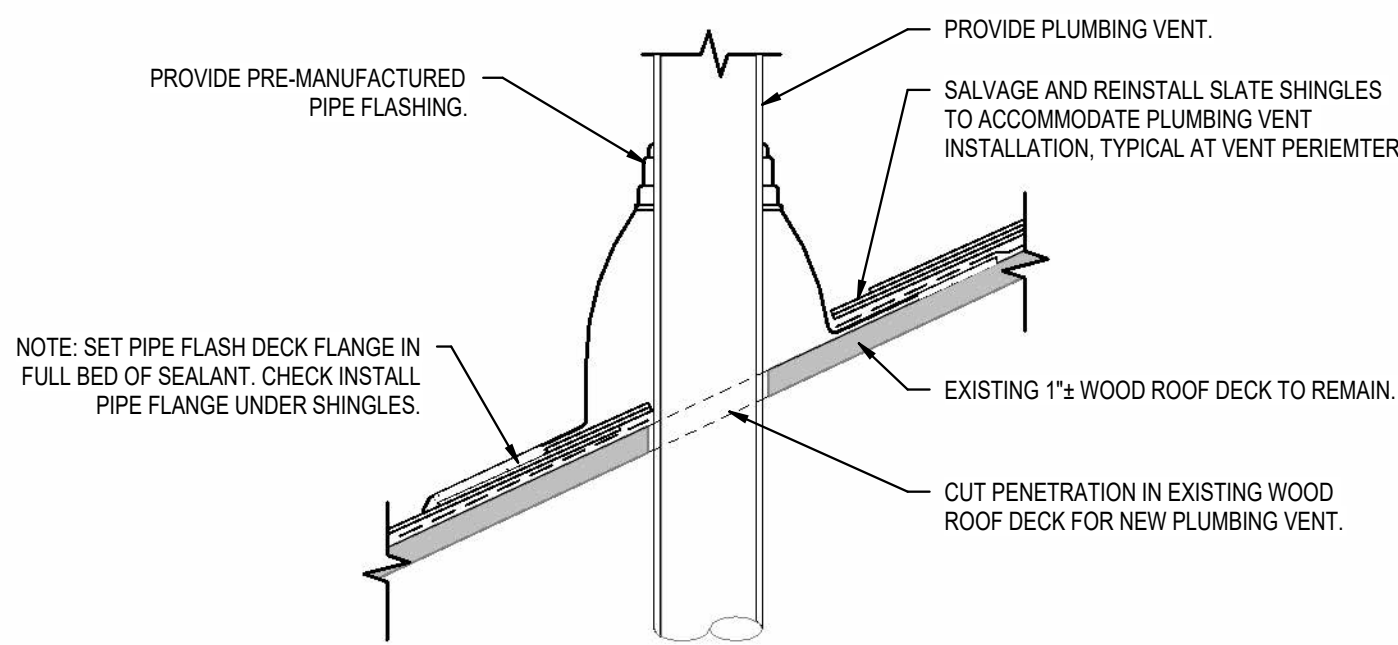
F9 ENLARGED DETAIL 3
1 1/2" = 1'-0"



D9 ENLARGED DETAIL 2
1 1/2" = 1'-0"



C9 ENLARGED DETAIL 4
1 1/2" = 1'-0"



A8 VENT PIPE DETAIL
1 1/2" = 1'-0"

SHAKER BARN RESTROOM
SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
TYPICAL WALL & ROOF DETAILS

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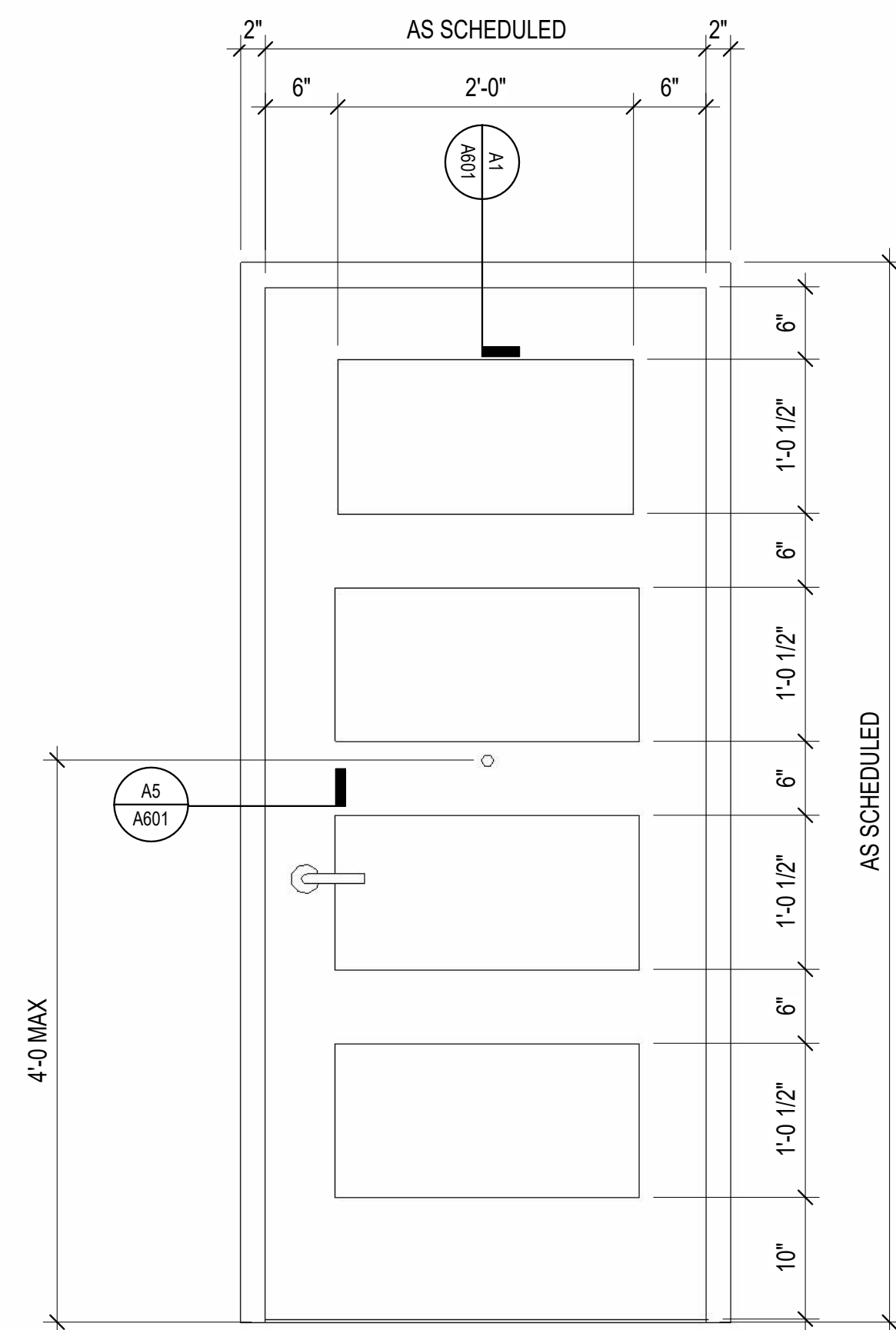
REVISIONS	
PROJECT NUMBER	21-001
DATE	MARCH 18, 2025
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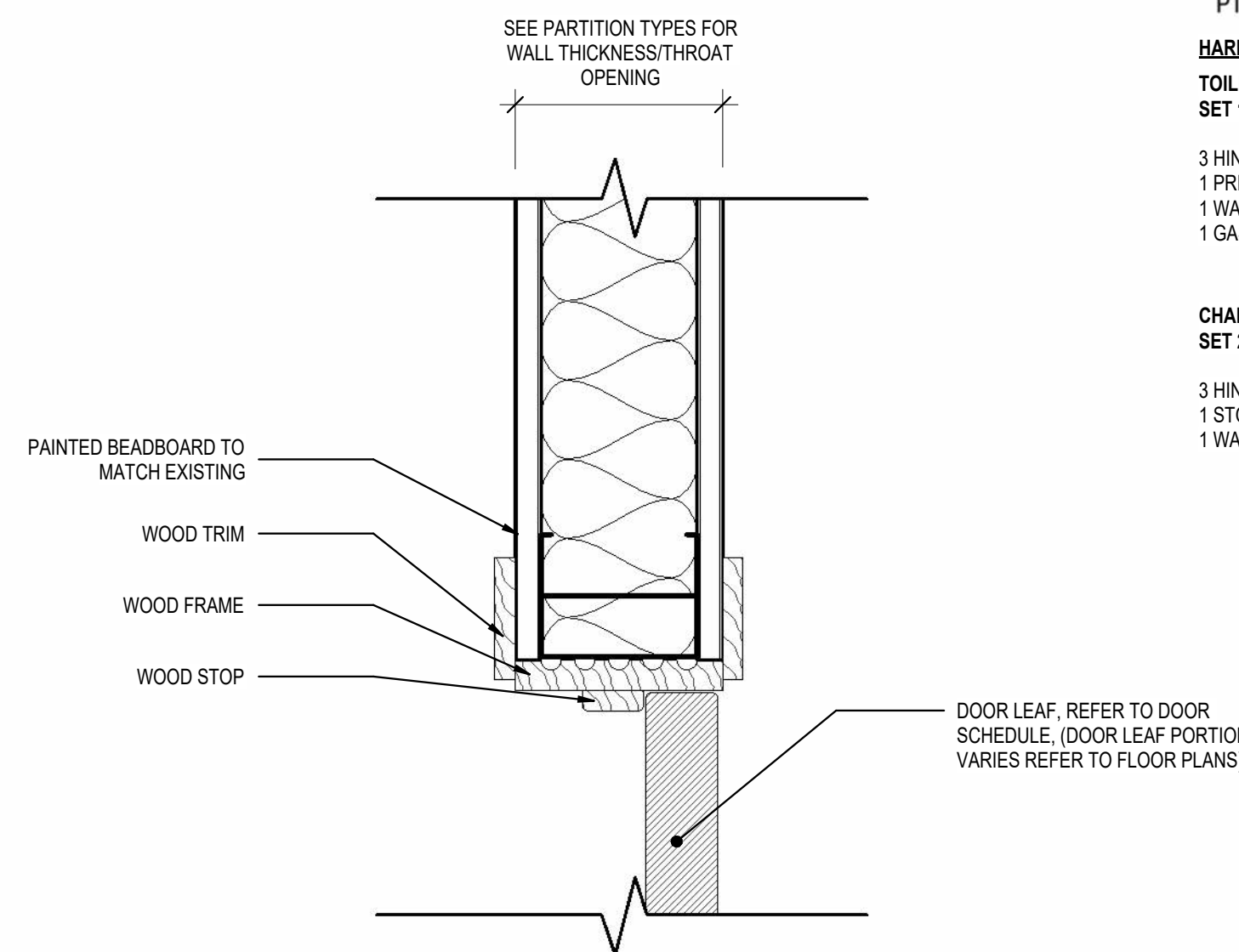
A502

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5/22/2025 3:19:20 PM



D1 DOOR TYPE A, FRAME TYPE 1
A601 1" = 1'-0"



A1 TYPICAL WOOD HEAD DETAIL
A601 3" = 1'-0"



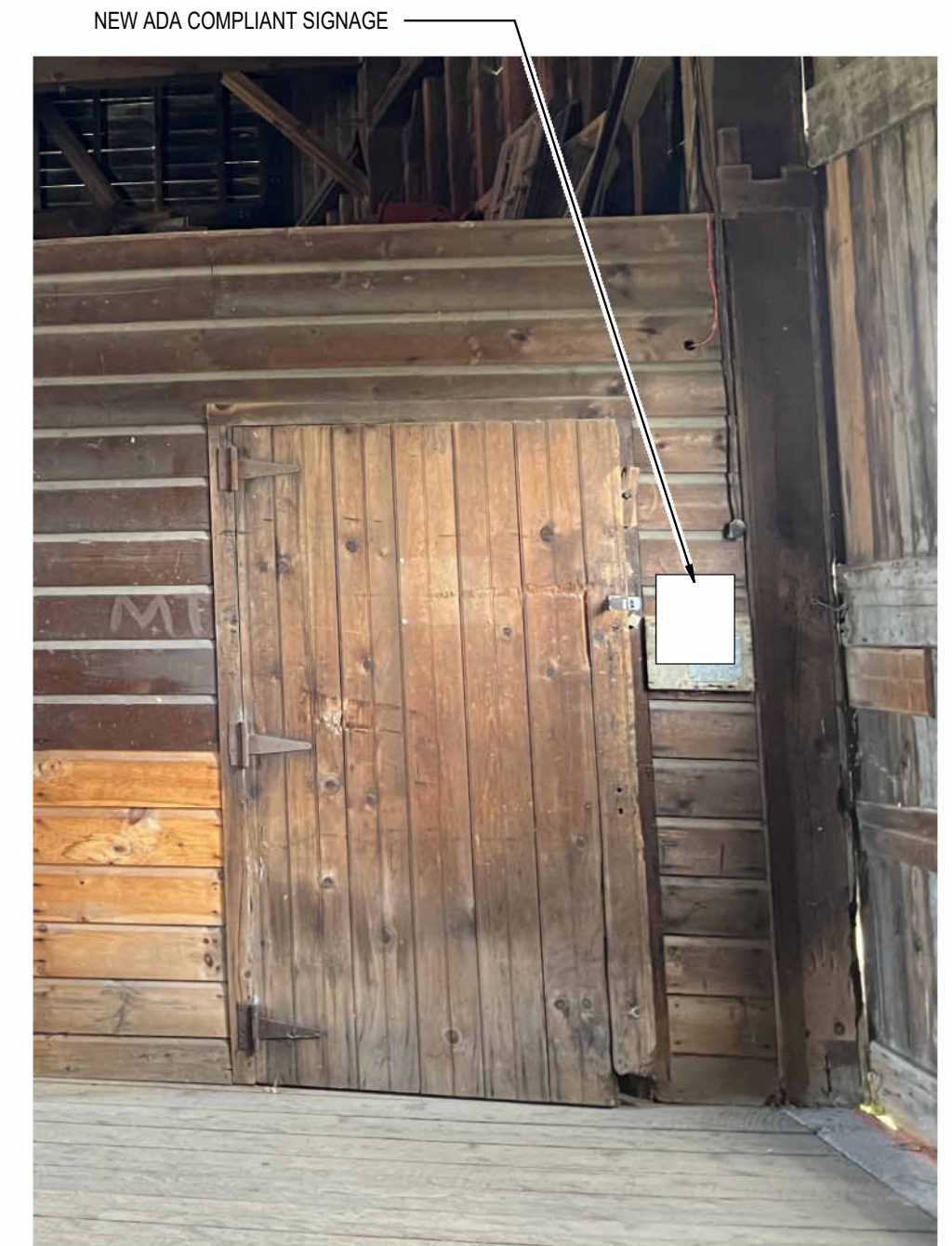
E3 PHOTO - DOOR TYPE C
A601



E5 PHOTO - DOOR TYPE C
A601



E7 PHOTO - DOOR TYPE E
A601



E9 PHOTO - DOOR TYPE B
A601

DOOR SCHEDULE														
DOOR NUMBER	ROOM NUMBER	ROOM	DOOR						HOWD SET	FRAME			FIRE RATING	REMARKS
			WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH		TYPE	MATERIAL	FINISH		
101	105	HALLWAY TO BARN	3' - 0"	7' - 0"	1 3/4"	B	WD	PT	3	2	WD	PT	0	R1, R2, R3, RESTORE EXISTING WOOD DOOR. STAIN DOORFACE ON BARN SIDE. REPAINT INTERIOR FACE AND DOOR FRAME ON TOILET ROOM SIDE.
102	101	UNISEX TOILET ROOM	3' - 0"	7' - 0"	1 3/4"	A	WD	PT	1	1	WD	PT	0	FOUR FLAT PANEL DOOR
103	102	ADA TOILET ROOM	3' - 0"	7' - 0"	1 3/4"	A	WD	PT	1	1	WD	PT	0	FOUR FLAT PANEL DOOR
104	103	ADA TOILET ROOM	3' - 0"	7' - 0"	1 3/4"	A	WD	PT	1	1	WD	PT	0	FOUR FLAT PANEL DOOR
105	104	UNISEX TOILET ROOM	3' - 0"	7' - 0"	1 3/4"	A	WD	PT	1	1	WD	PT	0	FOUR FLAT PANEL DOOR
106	105	HALLWAY	3' - 0"	7' - 0"	1 3/4"	C	WD	PT	4	2	WD	PT	0	R1, R2, R3, RESTORE EXISTING WOOD DOOR. PAINT BOTH SIDES OF DOOR AND DOOR FRAME.
107	106	CHANGING ROOM	3' - 0"	7' - 0"	1 3/4"	A	WD	PT	2	1	WD	PT	0	FOUR FLAT PANEL DOOR

WD - WOOD
PT- PAINT

HARDWARE SETS

TOILET ROOMS

SET 1.0

3 HINGE	FBB168 4-1/2" X 4-1/2"	US26D	ST
1 PRIVACY LOCK	45HOL 15H VIB	626	BE
1 WALL STOP	1270 W OR C V	630	TC
1 GASKET, 3/8" BULB	2525	B	NG

**CHANGING ROOM NEW DOOR
SET 2.0**

3 HINGE	FBB168 4-1/2" X 4-1/2"	US26D	ST
1 STOREROOM LOCK	9K37D 15D PATENTED	626	BE
1 WALL STOP	1270 W OR C V	630	TC

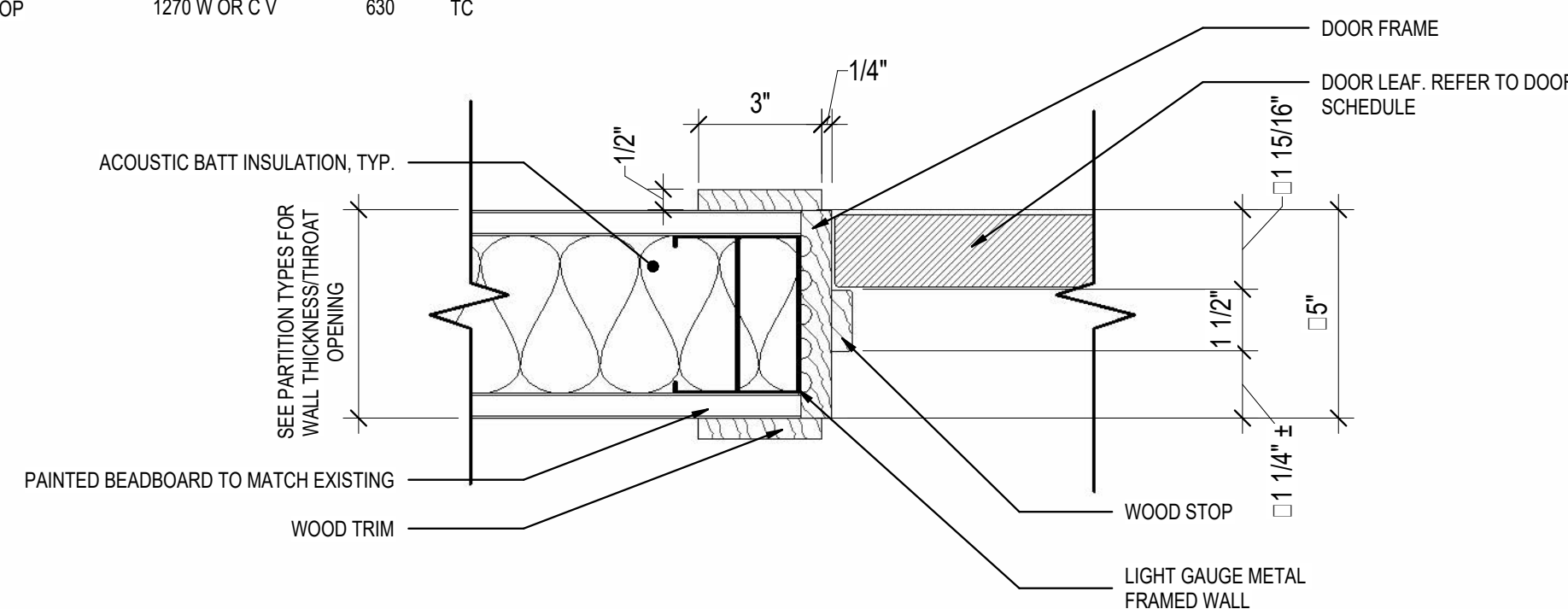
EXISTING WOOD DOOR BARN
SET 3.0

EX. HINGE	EXISTING		
1 DOOR PULL	RM4800	10BE	RW

EXISTING WOOD DOOR
CHANGING
SET 4.0

EY HIN

1 DOOR PULL	RM4800	10BE	RW
1 DOOR LATCH	90 DEGREE BARN	SS	WANLIAN



A5 TYPICAL WOOD JAMB DETAIL
A601 3" = 1'-0"

RESTORATION NOTES		
DOOR REPAIR	R1	Restore deteriorated sections of the door and match existing wood profile.
HARDWARE REPAIR	R2	Clean existing hardware. Oil hardware and finish with paint
	R3	Provide new lever handle on exterior and interior sides of each door leaf
MINIMUM RESTORATION SCOPE: Scrape and paint all wooden door, frame, panels, frame, door stops, door threshold. Fill any holes or defects prior to painting. All doors to be restored to operating conditions and painted as per specifications. Contractor to verify existing dimensions and conditions in field and operating components such as hinges, tower bolts, locks, knobs etc. to be replaced with new or salvaged components to match the original		

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REVISIONS

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DATE
MARCH 18, 2025

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BID DOCUMENTS

A601

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PLUMBING NOTES

1. INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, 2020 PLUMBING CODE OF NEW YORK STATE.
2. PLUMBING CONTRACTOR SHALL PERFORM ALL TESTS, OBTAIN ALL PERMITS, INSPECTIONS AND CONNECTION FEES FOR PLUMBING INSTALLATION.
3. PLUMBING CONTRACTOR SHALL PAY FOR ALL PERMITS, INSPECTIONS AND CONNECTION FEES FOR PLUMBING INSTALLATION.
4. PLUMBING CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES.
5. ALL MATERIALS SHALL BE NEW, UNLESS OTHERWISE NOTED.
6. PERFORM TESTING AS REQUIRED BY CODE AND LOCAL AUTHORITY HAVING JURISDICTION.
7. PLUMBING CONTRACTOR SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS AND MAKE ALLOWANCE FOR ANY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
8. ALL BURIED DRAIN PIPING 3" AND LARGER SHALL PITCH 1/8"/FT. MINIMUM.
9. ALL BURIED DRAIN PIPING 2-1/2" AND SMALLER SHALL PITCH 1/4"/FT. MINIMUM.
10. ALL VENT PIPING SHALL PITCH TO DRAIN.
11. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING OR DRILLING ANY HOLES IN THE MILLWORK AS REQUIRED FOR PLUMBING CONNECTIONS.
12. PROVIDE SHUT-OFF VALVES IN DOMESTIC WATER PIPING AT ALL BRANCH PIPING TO FIXTURES. ALL WATER PIPING SHUT-OFF VALVES SHALL BE LOCATED NO MORE THAN 24" ABOVE FINISHED CEILINGS. IN AREAS WHERE THERE ARE NO CEILINGS, INSTALL VALVES SO AS TO BE ACCESSIBLE WITH A LADDER, BUT WITHOUT THE NEED FOR A MAN LIFT TO REACH THEM.
13. THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMMER. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
14. LOCATE PIPE LABELS WHERE PIPING IS EXPOSED OR ABOVE ACCESSIBLE CEILINGS IN FINISHED SPACES, MACHINE ROOMS, ACCESSIBLE MAINTENANCE SPACES SUCH AS SHAFTS, TUNNELS, AND PLENUMS. USE ARROWS TO INDICATE DIRECTION OF FLOW IN PIPES.

GENERAL NOTES

1. CONTRACTORS ARE URGED TO INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.
2. PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AUTHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO THE LATEST ADOPTED VERSIONS OF ASHRAE, IBC, IPC, IFGC, NEC, NFPA, AND SMACNA.
3. NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS.
4. THE USE OF THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND CONNECT, READY TO USE.
5. THE USE OF THE WORD "FURNISH" SHALL MEAN TO PROCURE AND DELIVER TO THE SITE.
6. THE USE OF THE WORD "INSTALL" SHALL MEAN TO PHYSICALLY PLACE INTO SERVICE AND CONNECT, READY TO USE.
7. EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN, FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY.
8. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE GENERAL ARRANGEMENT OF PIPING, DUCTWORK, CONDUITS, EQUIPMENT, ETC. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH DRAWINGS AND THE SPECIFICATIONS.
9. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL HEATING, VENTILATING AND AIR-CONDITIONING, ELECTRICAL, PLUMBING, AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER OPERATION OR INSTALLATION AND SHALL PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET PROJECT CONDITIONS.
10. DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO PROFESSIONAL IN WRITING. OBTAIN WRITTEN INSTRUCTIONS FROM PROFESSIONAL AS TO THE MANNER IN WHICH TO PROCEED. NO DEPARTURES FROM THE PROJECT DOCUMENTS SHALL BE MADE WITHOUT PRIOR WRITTEN ACCEPTANCE BY THE PROFESSIONAL. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY THE USE OF ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
11. THE FIRE RESISTANCE RATINGS OF ALL WALLS, PARTITIONS, FLOORS, STEEL, ETC. SHALL BE MAINTAINED. THE APPLICATION OF PRODUCTS AND/OR DEVICES INTENDED TO MAINTAIN THESE RATINGS SHALL BE SUBMITTED FOR REVIEW AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
12. IN ORDER TO AVOID DELAY IN THE PROJECT SCHEDULE, AND THE POSSIBLE INSTALLATION OF NON-SPECIFIED MATERIALS, THE CONTRACTOR IS RESPONSIBLE FOR ORDERING ALL PRODUCTS IN A TIMELY FASHION. IF A DELAY OCCURS DUE TO NEGLIGENCE ON PART OF THE CONTRACTOR, ANY FINANCIAL BURDEN ENCOUNTERED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13. DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
14. NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES, DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
15. THE CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS, WHETHER INDICATED ON THE CONTRACT DOCUMENTS OR NOT, WHERE REQUIRED TO PROVIDE ACCESS TO THEIR INSTALLATIONS. ACCESS PANELS SHALL MATCH THE FIRE RESISTANCE RATING OF THE PARTITION THAT THEY ARE BEING INSTALLED. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT AND WITH OTHER TRADES TO AVOID DUPLICATION.
16. INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE. DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.
17. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
18. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK UNLESS SPECIFICALLY NOTED OTHERWISE.
19. WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.
20. WHERE DEVICE HEIGHT OF 48" OCCURS AT POINT OF CHANGE OF FINISH, THE DEVICE SHALL BE LOWERED TO OCCUR IN ONE FINISH OR CONFORM TO ADA STANDARDS.
21. WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT & IN THE BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT.
22. UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE BOX OR DEVICE.
23. NOT ALL ABBREVIATIONS & SYMBOLS MAY APPLY TO THIS PROJECT.
24. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
25. DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS.

PLUMBING ABBREVIATIONS

AB	ABOVE	HUM	HUMIDIFIER
AD	ACCESS DOOR OR AREA DRAIN	HW	HOT WATER
ADP	APPARATUS DEW POINT	HZ	HERTZ
AFF	ABOVE FINISHED FLOOR	IBC	INTERNATIONAL BUILDING CODE
AFG	ABOVE FINISHED GRADE	ID	INSIDE DIAMETER
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	IFGC	INTERNATIONAL FUEL GAS CODE
AGA	AMERICAN GAS ASSOCIATION	IN	INCHES
AHJ	AUTHORITY HAVING JURISDICTION	IN WC	INCHES WATER COLUMN
AHU	AIR HANDLING UNIT	INV	INVERT
AMB	AMBIENT	IN WG	INCHES WATER GAGE
AMP	AMPERES	IPC	INTERNATIONAL PLUMBING CODE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	IW	INDIRECT WASTE
APD	AIR PRESSURE DROP	JC	JANITORS CLOSET
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR-CONDITIONING ENGINEERS	JS	JANITORS SINK
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	KW	KILOWATT
AST	ABOVE GROUND STORAGE TANK	KWH	KILOWATT HOUR
ATC	AUTOMATIC TEMPERATURE CONTROL	LxWxD	LENGTH x WIDTH x DEPTH
ATCC	AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR	LAT	LEAVING AIR TEMPERATURE
AVG	AVERAGE	L	LAVATORY
AWG	AMERICAN WIRE GAGE	LAV	LAVATORY
AWT	AVERAGE WATER TEMPERATURE	LBS	POUNDS
AWWA	AMERICAN WATER WORKS ASSOCIATION	LF	LINEAR FEET
BAS	BUILDING AUTOMATION SYSTEM	LD	LINEAR DIFFUSER
BF	BLIND FLANGE	LPG	LIQUID PROPANE GAS
BFF	BELOW FINISH FLOOR	LRA	LOCKED ROTOR AMPERES
BS	BIRDSCREEN	LWT	LEAVING WATER TEMPERATURE
BDD	BACKDRAFT DAMPER	M/A	MIXED AIR
BT	BATHTUB	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT	MBH	1,000 BTUH
BTUH	BRITISH THERMAL UNITS PER HOUR	MMBH	MECHANICAL CONTRACTOR
BHP	BRAKE HORSEPOWER	MFR	MANUFACTURER
CA	COMMISSIONING AGENT OR AUTHORITY	MIN	MINIMUM
CCO	CEILING CLEANOUT	MR	MOP RECEPTOR
CFM	CUBIC FEET PER MINUTE	MS	MOP SINK
CI	CAST IRON	MTD	MOUNTED
CLG	CEILING	N/A	NOT APPLICABLE
CO	CLEANOUT	NC	NORMALLY CLOSED
CONN	CONNECTION	NEC	NATIONAL ELECTRIC CODE
CONT	CONTINUATION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
COP	COEFFICIENT OF PERFORMANCE	NIC	NOT IN CONTRACT
CPVC	CHLOROL POLYVINYL CHLORIDE	NG	NATURAL GAS
COND	CONDENSING UNIT	NO	NORMALLY OPEN
CU FT	CUBIC FEET	NP	NON-POTABLE
CU IN	CUBIC INCH	NTS	NOT TO SCALE
CW	COLD WATER	O/A	OUTSIDE AIR
°C	DEGREES CELSIUS	OD	OUTSIDE DIAMETER
°F	DEGREES FAHRENHEIT	OD	OVERFLOW DRAIN
ø	DIAMETER	OED	OPEN END DUCT
D	DRYER, APPLIANCE	OZ	OUNCE
DB	DRY BULB	P	PUMP
DBP	DOMESTIC BOOSTER PUMP	PC	PLUMBING CONTRACTOR
DEMO	DEMOLITION	PD	PRESSURE DROP
DF	DRINKING FOUNTAIN	PH	PHASE
DHRP	DOMESTIC HOT WATER RETURN PUMP	PPM	PARTS PER MILLION
DIRECT	DIRECT	PRV	PRESSURE REDUCING VALVE
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DCW	DOMESTIC COLD WATER	PSIG	POUNDS PER SQUARE INCH GAUGE
DCWS	DOMESTIC COLD WATER SYSTEM	PT	PRESSURE/TEMPERATURE TEST PORT
DHW	DOMESTIC HOT WATER	PVC	POLYVINYLCHLORIDE
DHWS	DOMESTIC HOT WATER SYSTEM	R/A	RETURN AIR
DHC	DOMESTIC HOT WATER RECIRCULATION	RD	ROOF DRAIN
DHCS	DOMESTIC HOT WATER RECIRCULATION SYSTEM	REQ'D	REQUIRED
DP	DOMESTIC PUMP	RH	RELATIVE HUMIDITY
DR	DRAIN	RLA	RUNNING LOAD AMPS
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE
DWH	DOMESTIC WATER HEATER	RX	REMOVE EXISTING
DX	DIRECT EXPANSION	S	SINK
(E)	EXISTING	S/ATC	SUSPENDED ACOUSTICAL TILE CEILING
E/A	EXHAUST AIR	SF	SQUARE FEET
EAT	ENTERING AIR TEMPERATURE	S/FD	SMOKE/FIRE DAMPER
EC	ELECTRICAL CONTRACTOR	SH	SHOWER
EER	ENERGY EFFICIENCY RATIO	SI	SOLIDS INTERCEPTOR
EFF	EFFICIENCY	SK	SINK
ELEV	ELEVATOR	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
EQUIP	EQUIPMENT	SSK	SERVICE SINK
ESP	EXTERNAL STATIC PRESSURE	SST	STAINLESS STEEL
ETR	EXISTING TO REMAIN	SP	STATIC PRESSURE
EWC	ELECTRIC WATER COOLER	T	TEMPERATURE
EWI	ELECTRIC WATER HEATER	TBR	TO BE REMOVED
EWT	ENTERING WATER TEMPERATURE	TCC	TEMPERATURE CONTROL CONTRACTOR
EXT. F&B	EXTERNAL FACE & BYPASS	TD	TRENCH DRAIN
EXP	EXPANSION	THA	TOTAL HEAT ADDED
FA	FREE AREA	TP	TEST PORT
FAS	FIRE ALARM SYSTEM	TSP	TOTAL STATIC PRESSURE
FC	FLEXIBLE CONNECTION	TSTAT	THERMOSTAT
FCO	FLOOR CLEANOUT	TT	TEMPERATURE TRANSMITTER
FD	FLOOR DRAIN OR FIRE DAMPER	TYP	TYPICAL
FLA	FULL LOAD AMPERES	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR	UST	UNDERGROUND STORAGE TANK
FMS	FACILITY MANAGEMENT SYSTEM	UR	URINAL
FOS	FUEL OIL SUPPLY	V	VENT
FOR	FUEL OIL RETURN	VAC	VACUUM
FPC	FIRE PROTECTION CONTRACTOR	VAV	VARIABLE AIR VOLUME
FPI	FEET PER INCH	VBF	VENT BELOW FLOOR
FPM	FEET PER MINUTE	VRV	VARIABLE REFRIGERANT VOLUME
FPS	FEET PER SECOND	VTR	VENT THROUGH ROOF
FPS	FIRE PROTECTION SYSTEM	W	WASHER, APPLIANCE OR WASTE
FS	FLOOR SINK	WB	WET BULB
FT	FEET OR FOOT	WC	WATER CLOSET
FT LB	FOOT POUND	WCO	WALL CLEANOUT
GA	GAUGE	WH	WALL HYDRANT
GAL	GALLONS	WHA	WATER HAMMER ARRESTOR
GALV	GALVANIZED	WPD	WATER PRESSURE DROP
GC	GENERAL CONTRACTOR	YCO	YARD CLEANOUT
GCO	GRADE CLEANOUT	YD	YARD DRAIN
GI	GREASE INTERCEPTOR	YH	YARD HYDRANT
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
GWH	GAS WATER HEATER		
H	HUMIDITY		
HB	HOSE BIBB		
HC	HEATING CONTRACTOR		
HD	HEAD		
HGT	HEIGHT		
HP	HORSEPOWER		
HR	HOUR(S)		

PLUMBING SYMBOL LEGEND

	SHUTOFF VALVE
	CHECK VALVE
	PIPE DROP
	PIPE UP
	CLEANOUT
	FLOOR CLEANOUT
	HOSE BIBB
	WALL HYDRANT
	WATER FLOW METER
	VENT THRU ROOF
	CIRCULATING PUMP
	ROOF DRAIN
	FLOOR DRAIN
	PIPE BREAK
X	PIPE IDENTIFICATION (WHEN IT APPEARS IN LINE)
X"	PIPE SIZE (WHEN IT APPEARS IN LINE)
----- DEMO -----	DEMO (DASHED HEAVY LINE)
----- EX -----	EXISTING (LIGHT SOLID LINE)
-----	DOMESTIC COLD WATER
-----	DOMESTIC HOT WATER
-----	DOMESTIC HOT WATER RECIRCULATION
----- NPW -----	NON-POTABLE WATER
----- CND -----	CONDENSATE DRAIN
----- SAN -----	SANITARY WASTE DRAIN
----- SAN -----	SANITARY WASTE DRAIN UNDERSLAB
----- V -----	VENT
----- V -----	VENT UNDERSLAB
----- ST-P -----	STORM DRAIN PRIMARY
----- ST-P -----	STORM DRAIN PRIMARY UNDERSLAB
----- ST-S -----	STORM DRAIN SECONDARY
----- NG -----	NATURAL GAS
----- LPG -----	LIQUID PROPANE GAS
----- CA -----	COMPRESSED AIR

	DISCONNECT EXISTING
	CONNECT TO EXISTING
	FLOW ARROW
	DETAIL DESIGNATION
	SECTION DESIGNATION

WATER SUPPLY INFORMATION

STATIC PRESSURE: 82 PSI
RESIDUAL PRESSURE: 66 PSI
OBSERVED FLOW: 780 GPM

FLOW TEST INFORMATION PROVIDED BY: LATHAM WATER DISTRICT
07/25/2024

SHAKER BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY

PLUMBING SYMBOLS, NOTES & ABBREVIATIONS

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P-000

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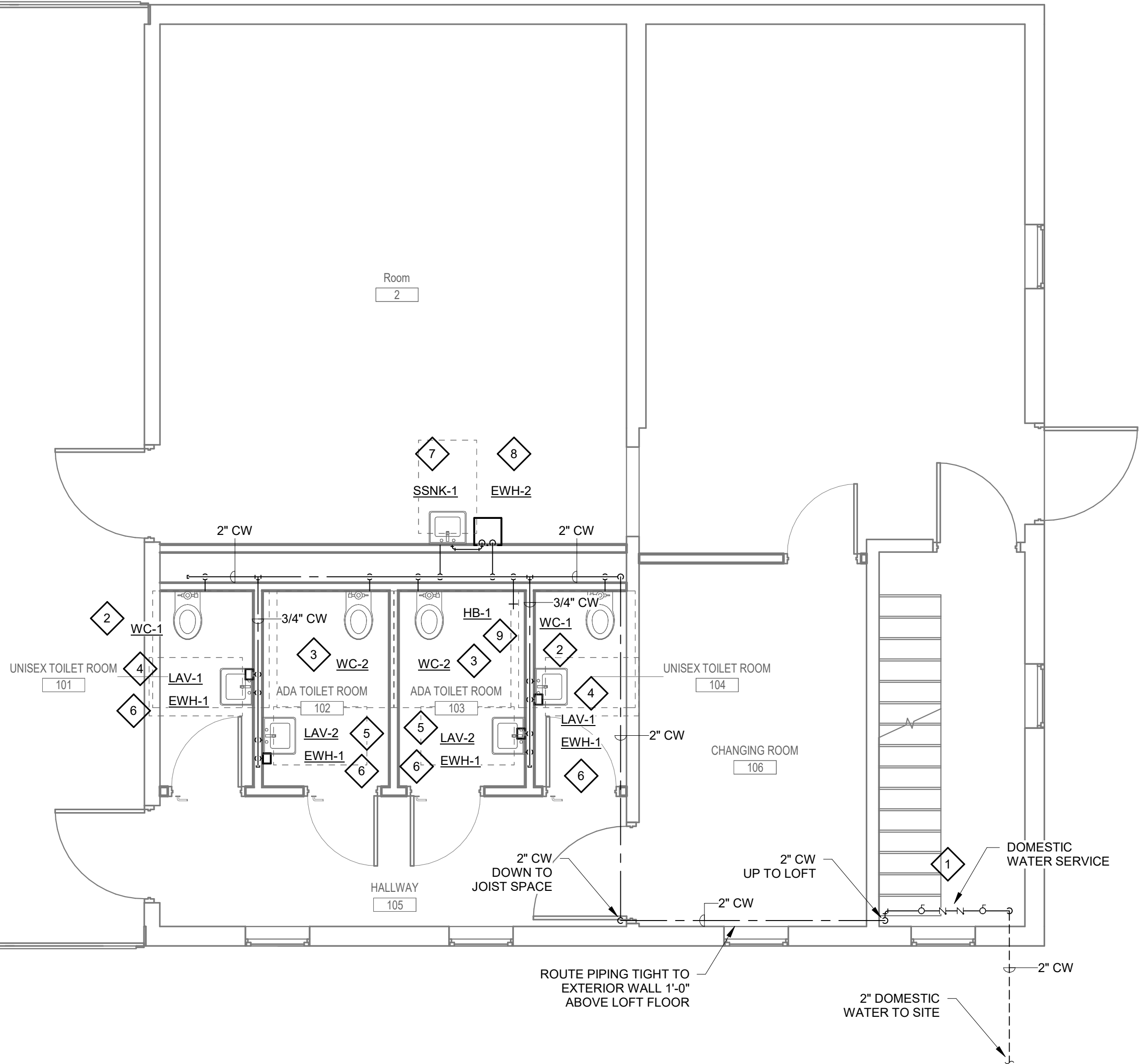
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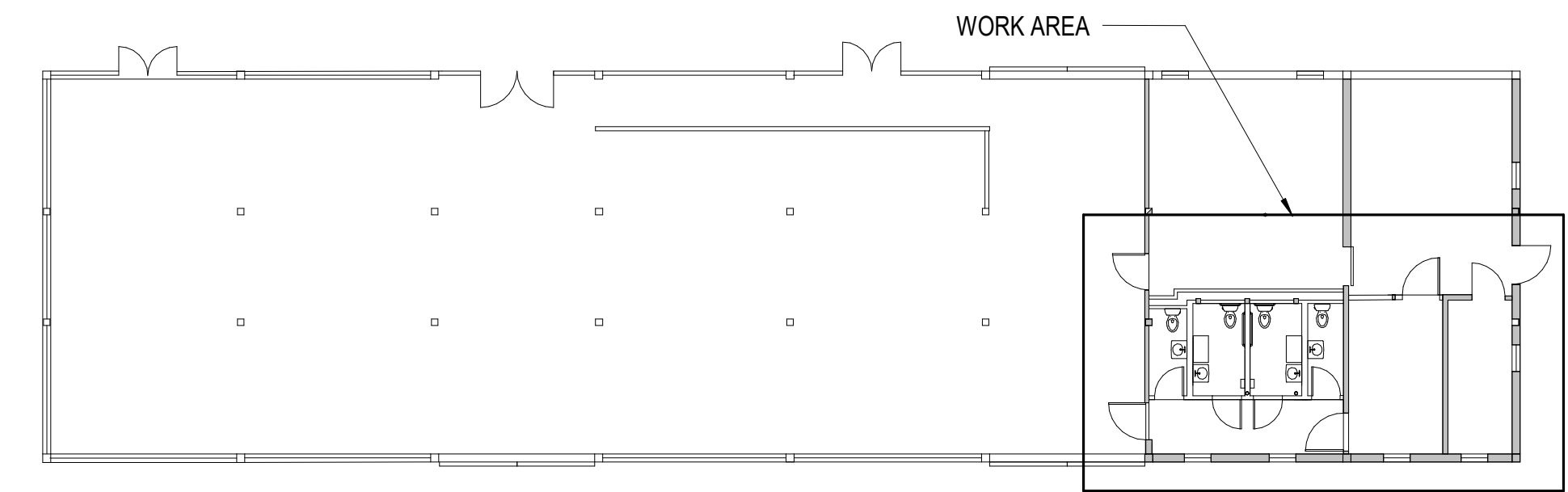
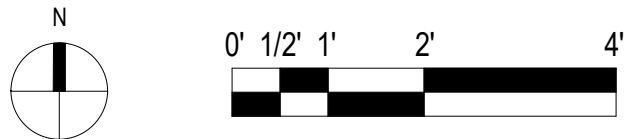
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- GENERAL NOTES:**
- A. COORDINATE EXACT PIPE ROUTING IN FIELD WITH EXISTING LOFT JOISTS.
- B. PAINT ALL EXPOSED PIPING AND ASSOCIATED ACCESSORIES BLACK. COORDINATE WITH ARCHITECT FOR COLOR AND PAINT SPECIFICATIONS.



B6 PLUMBING DOMESTIC WATER PLAN
1/4" = 1'-0"



KEY PLAN

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SHAKER BARN RESTROOM
SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
PLUMBING DOMESTIC WATER PLAN

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REVISIONS

PROJECT NUMBER
21-001
DATE
MARCH 18, 2025
DRAWN BY
CSH

BID DOCUMENTS

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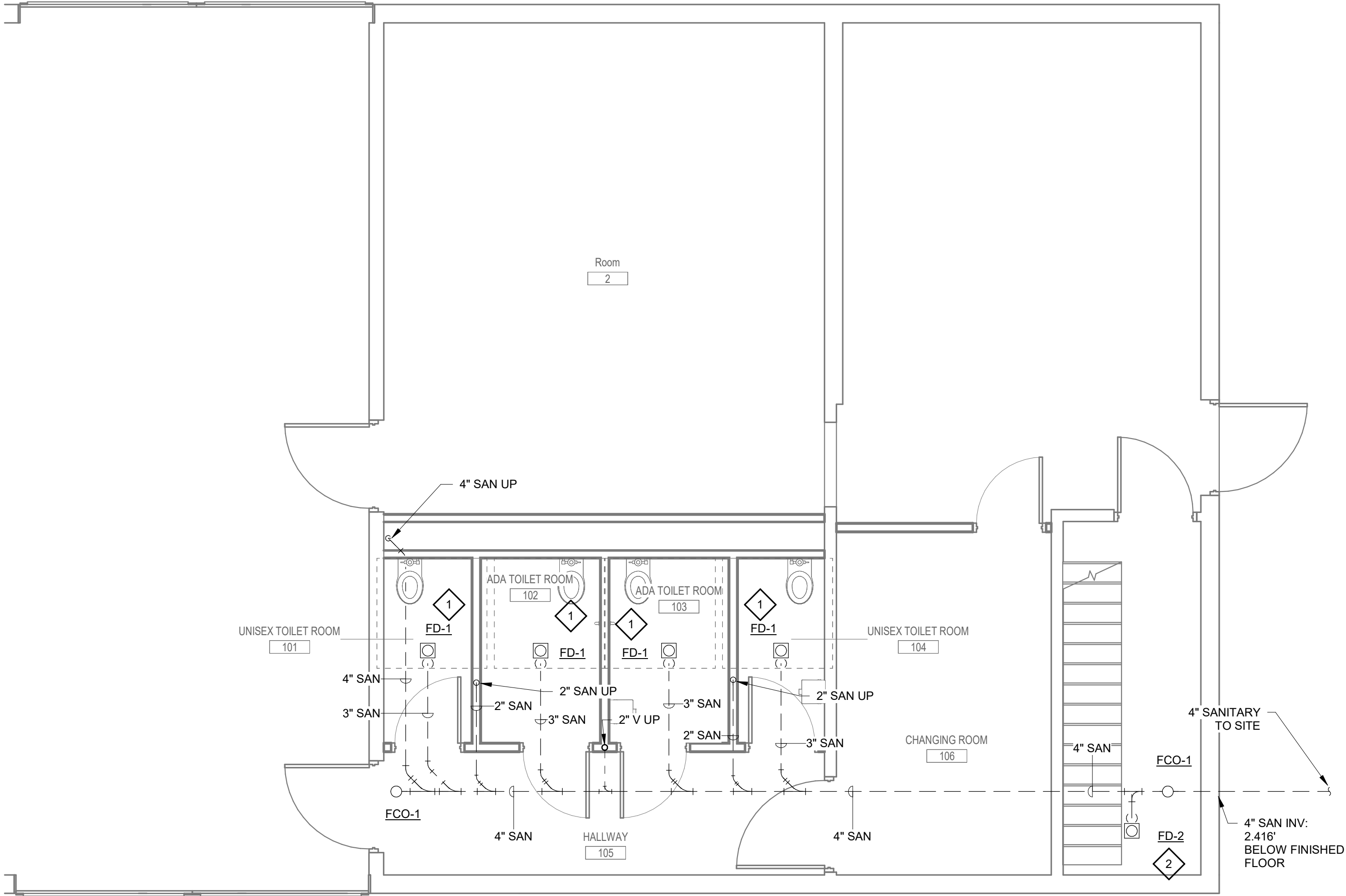
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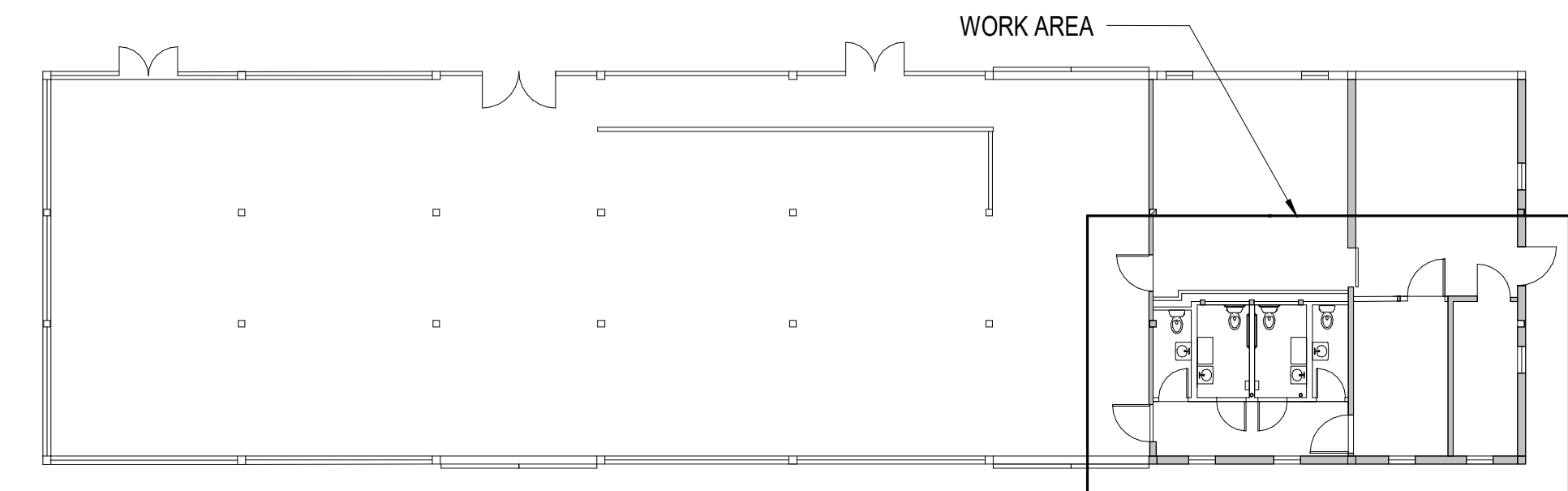
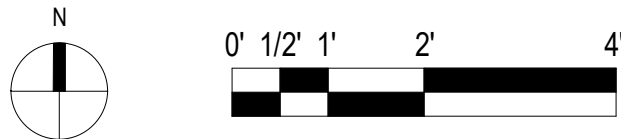
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- # **KEY NOTES:**
1. PROVIDE FLOOR DRAIN FD-1 AND ASSOCIATED ACCESSORIES. PROVIDE 3" DRAIN PIPING TO FD-1.
 2. PROVIDE FLOOR DRAIN FD-2 AND ASSOCIATED ACCESSORIES. PROVIDE 3" DRAIN PIPING TO FD-2.

- GENERAL NOTES:**
- A. COORDINATE EXACT PIPE ROUTING IN FIELD WITH EXISTING LOFT JOISTS.
 - B. PAINT ALL EXPOSED PIPING AND ASSOCIATED ACCESSORIES BLACK. COORDINATE WITH ARCHITECT FOR COLOR AND PAINT SPECIFICATIONS.



B6 PLUMBING WASTE & VENT BELOW FLOOR PLAN
1/4" = 1'-0"



KEY PLAN
1/16" = 1'-0"

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SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
PLUMBING WASTE & VENT BELOW FLOOR PLAN

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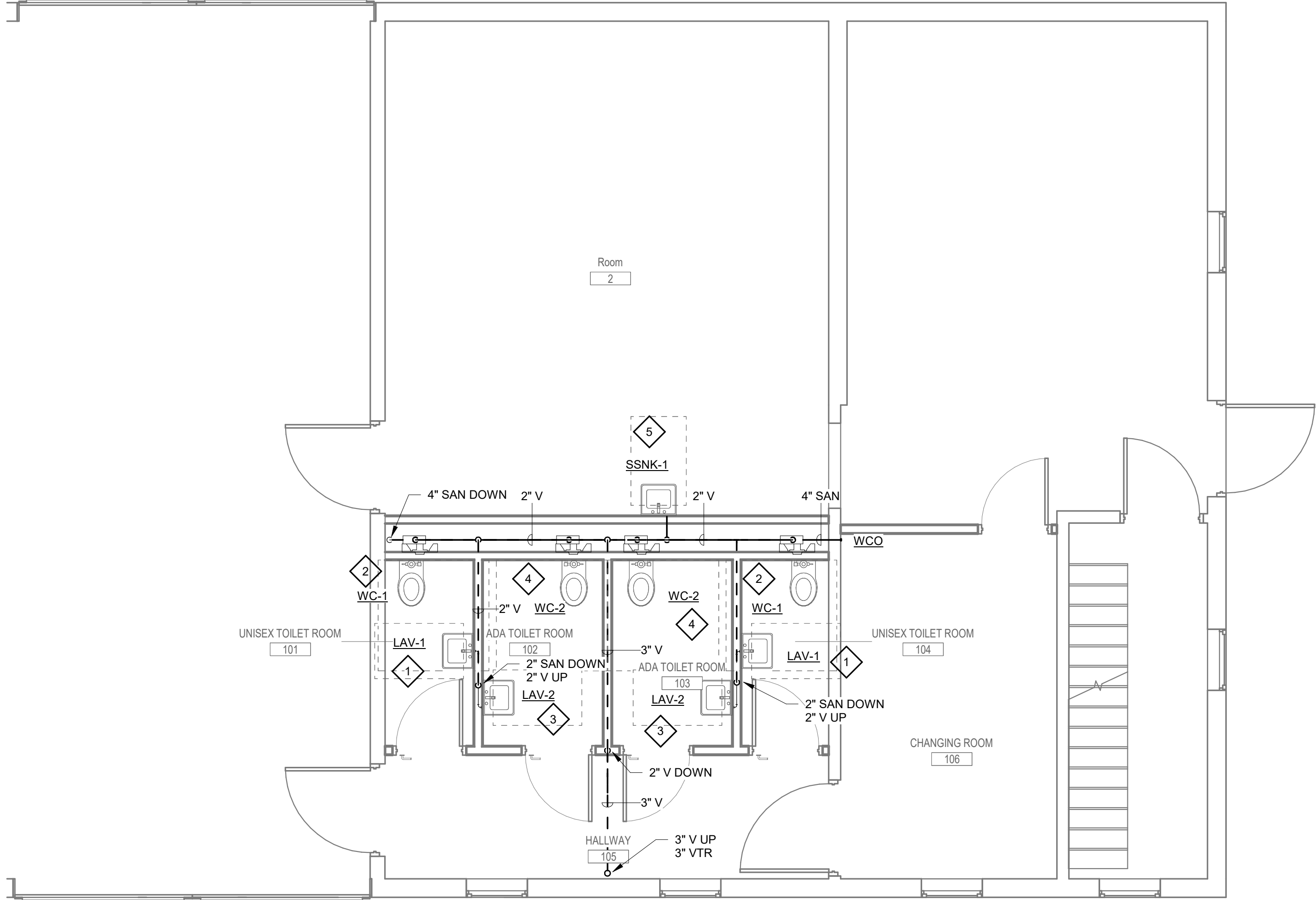
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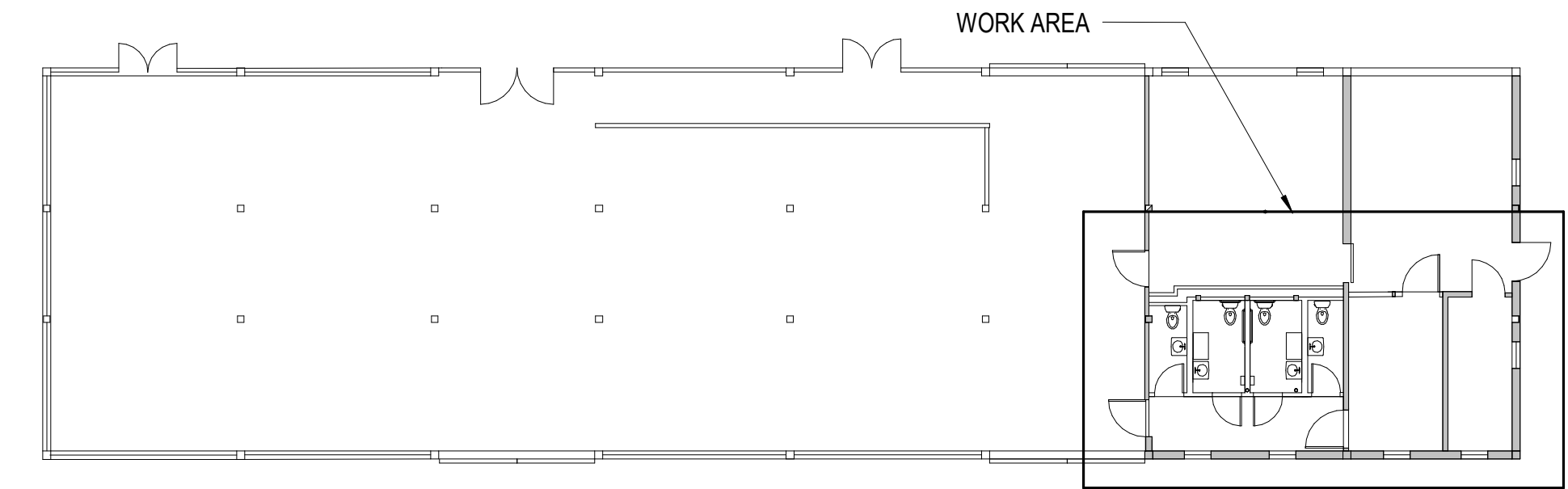
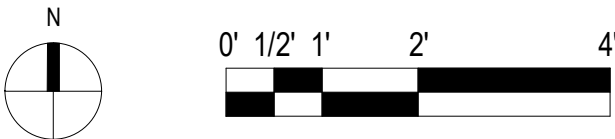
- # **KEY NOTES:**
1. PROVIDE WALL MOUNTED LAVATORY LAV-1 AND ASSOCIATED ACCESSORIES. PROVIDE 1-1/2" DRAIN PIPING TO LAV-1.
 2. PROVIDE WALL MOUNTED WATER CLOSET WC-1 AND ASSOCIATED ACCESSORIES. PROVIDE 4" DRAIN PIPING TO WC-1. PROVIDE 2" VENT PIPING TO WC-1.
 3. PROVIDE WALL MOUNTED LAVATORY LAV-2 AND ASSOCIATED ACCESSORIES. PROVIDE 1-1/2" DRAIN PIPING TO LAV-2.
 4. PROVIDE WALL MOUNTED WATER CLOSET WC-2 AND ASSOCIATED ACCESSORIES. PROVIDE 4" DRAIN PIPING TO WC-2. PROVIDE 2" VENT PIPING TO WC-1.
 5. PROVIDE SERVICE SINK SSNK-1 AND ASSOCIATED ACCESSORIES. PROVIDE 2" DRAIN PIPING TO SSNK-1. PROVIDE 2" VENT PIPING TO SSNK-1.

GENERAL NOTES:

- A. COORDINATE EXACT PIPE ROUTING IN FIELD WITH EXISTING LOFT JOISTS.
- B. PAINT ALL EXPOSED PIPING AND ASSOCIATED ACCESSORIES BLACK. COORDINATE WITH ARCHITECT FOR COLOR AND PAINT SPECIFICATIONS.



PLUMBING WASTE & VENT ABOVE FLOOR PLAN
1/4" = 1'-0"



KEY PLAN
1/16" = 1'-0"

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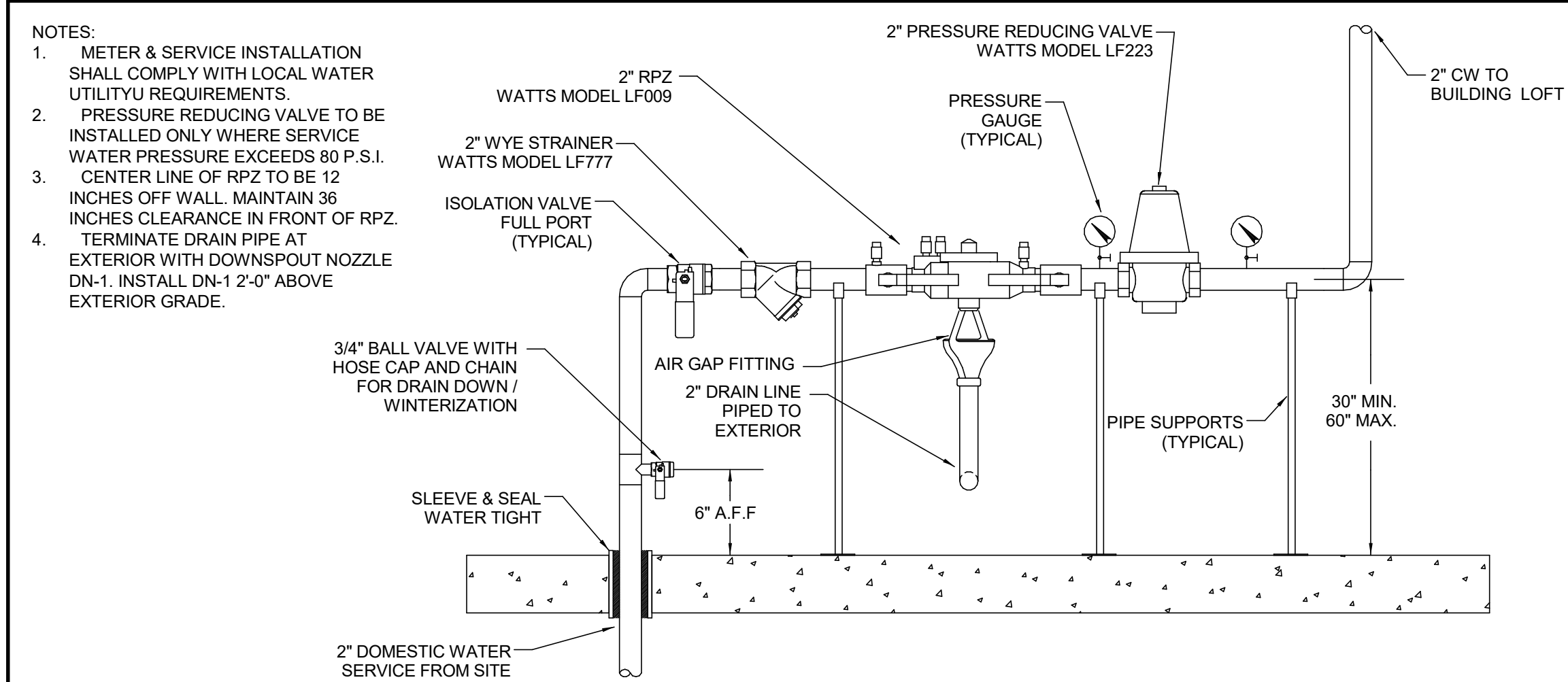
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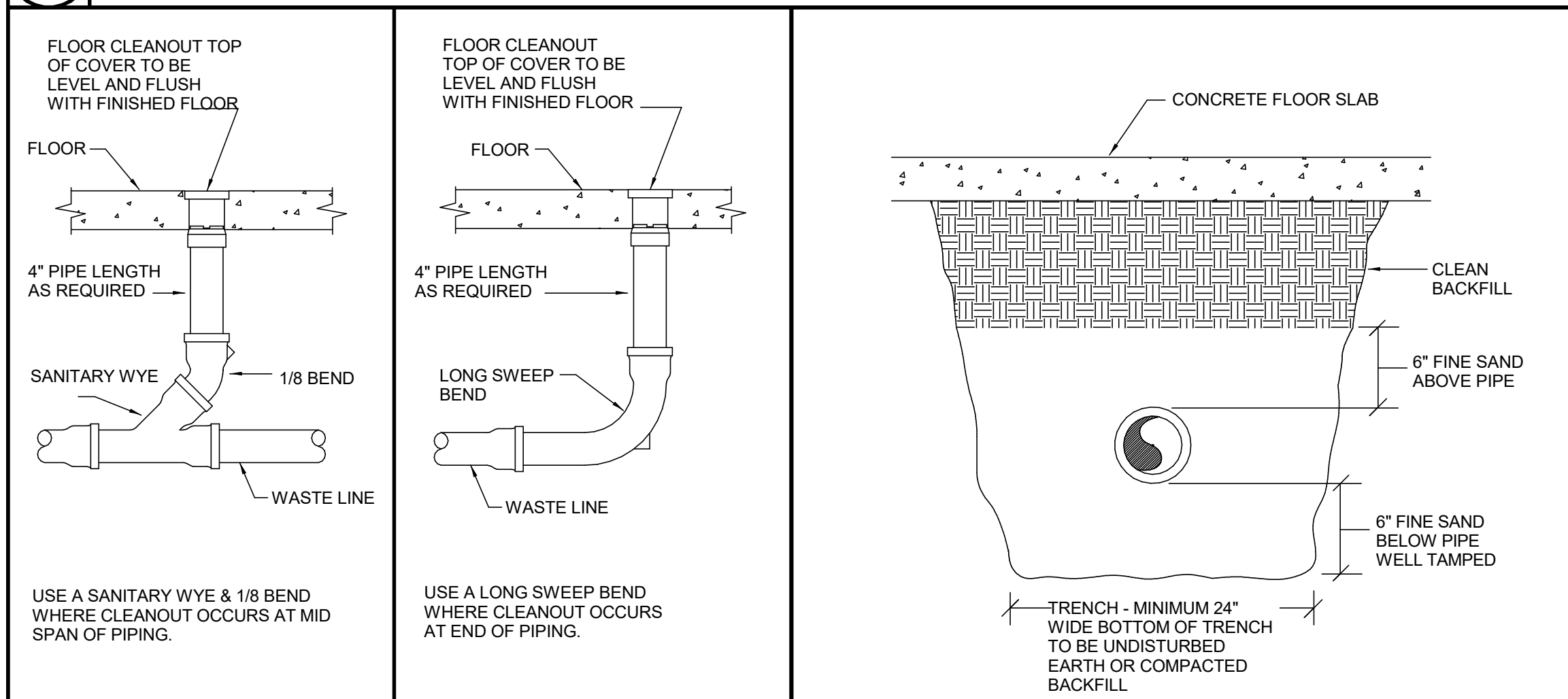
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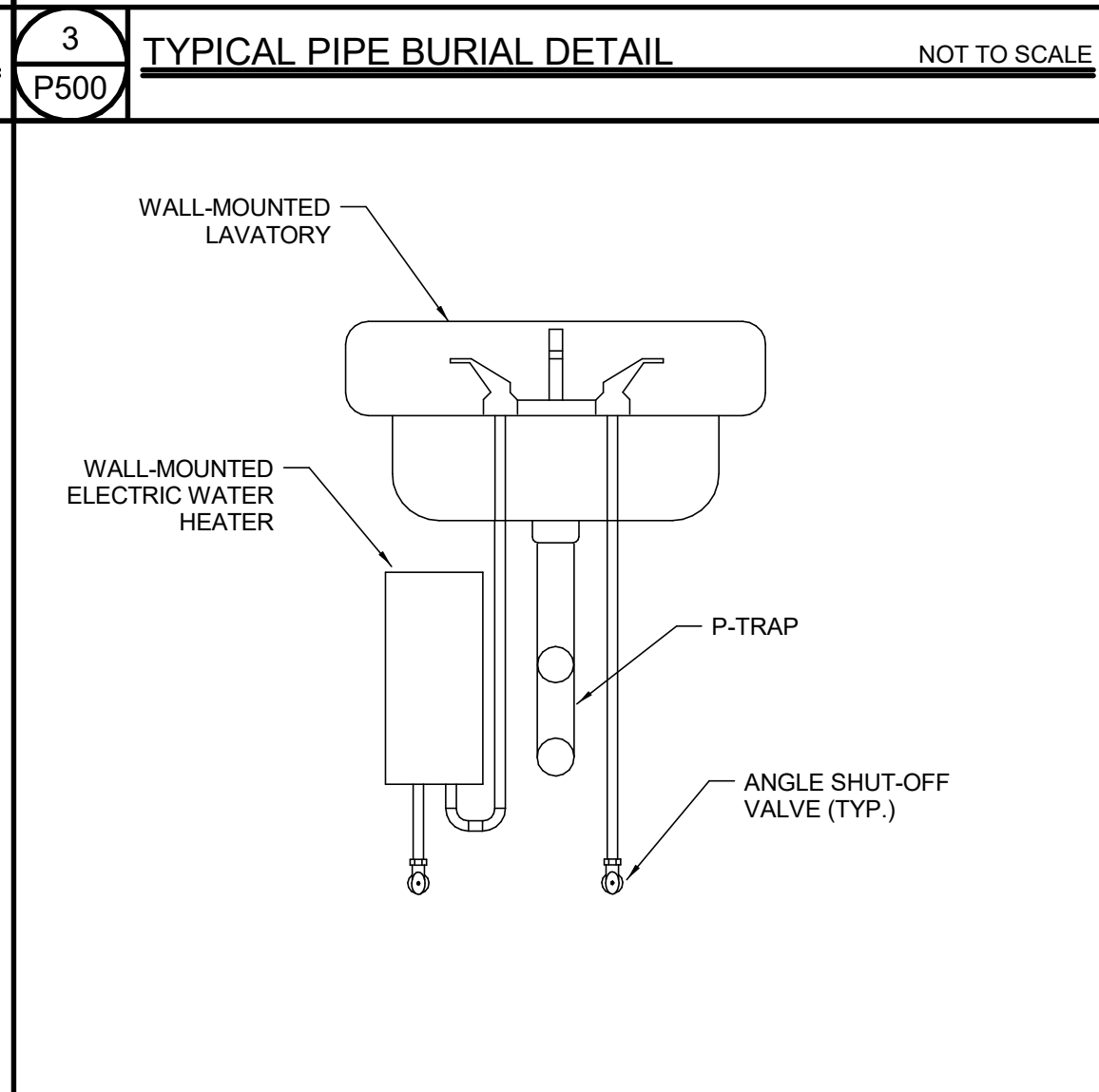
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1 DOMESTIC WATER SERVICE DETAIL NOT TO SCALE



2	FLOOR CLEANOUT DETAIL	NOT TO SCALE	3	TYPICAL PIPE BURIAL DETAIL	NOT TO SCALE
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4 P500 LAVATORY DETAIL

PLUMBING FIXTURE / EQUIPMENT SCHEDULE

PLAN CODE	FIXTURE	PLUMBING CONNECTION SIZES (INCHES)				MOUNTING HEIGHT	BASIS OF DESIGN / DESCRIPTION
		WASTE	VENT	COLD WATER	HOT WATER		
LAV-1	WALL-HUNG LAVATORY (ADA COMPLIANT)	1-1/2"	1-1/2"	1/2"	1/2"	34" A.F.F.	1. AMERICAN STANDARD "LUCERNE" MODEL 0355.012 WALL-HUNG VITREOUS CHINA LAVATORY, WHITE, 21-1/4" x 18-1/4", 6-1/2" DEPTH, FAUCET HOLES ON 4" CENTER. 2. LAVATORY FAUCET, CHICAGO FAUCETS MODEL 802-VE2805-317ABCP, MANUAL FAUCET, DECK-MOUNTED WITH 4" CENTERS, CHROME PLATED BRASS CONSTRUCTION, 4" WRIST BLADE HANDLES, 0.5 GPM. 3. 17 GAUGE BRASS OUTLET(CHROME PLATED), STRAINER, TRAP(W/CLEANOUT) AND TAILPIECE. MCGUIRE OR EQUIVALENT. 4. 3/8" BRAIDED STAINLESS STEEL FAUCET SUPPLY. 5. 1/2" x 3/8" KEYED(CHROME PLATED) ANGLE SHUT-OFF VALVE WITH CAST BRASS ESCUTCHEON PLATES(CHROME PLATED), MCGUIRE OR EQUIVALENT. 6. LAVATORY CARRIER, ZURN MODEL Z1231EZ OR EQUIVALENT.
LAV-2	WALL-HUNG LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	34" A.F.F.	1. AMERICAN STANDARD "DECLYN" MODEL 0321.075 WALL-HUNG VITREOUS CHINA LAVATORY, WHITE, 18-1/2" x 17", 6" DEPTH, FAUCET HOLES ON 4" CENTERS. 2. LAVATORY FAUCET, CHICAGO FAUCETS MODEL 802-VE2805-317ABCP, MANUAL FAUCET, DECK-MOUNTED WITH 4" CENTERS, CHROME PLATED BRASS CONSTRUCTION, 4" WRIST BLADE HANDLES, 0.5 GPM. 3. 17 GAUGE BRASS OUTLET(CHROME PLATED), STRAINER, TRAP(W/CLEANOUT) AND TAILPIECE. MCGUIRE OR EQUIVALENT. 4. 3/8" BRAIDED STAINLESS STEEL FAUCET SUPPLY. 5. 1/2" x 3/8" KEYED(CHROME PLATED) ANGLE SHUT-OFF VALVE WITH CAST BRASS ESCUTCHEON PLATES(CHROME PLATED), MCGUIRE OR EQUIVALENT. 6. LAVATORY CARRIER, ZURN MODEL Z1231EZ OR EQUIVALENT.
WC-1	WALL-MOUNTED FLUSHOMETER TOILET (ADA COMPLIANT)	4"	2"	1-1/4"	-	17" A.F.F.	1. AMERICAN STANDARD "AFWALL" MODEL 3351.101, WALL MOUNT TOILET, ELONGATED BOWL, 1.28 GPF, WHITE VITREOUS CHINA, 1-1/2" TOP SPUD. 2. TOILET SEAT, AMERICAN STANDARD MODEL 5905.100, ELONGATED EXTRA HEAVY DUTY OPEN FRONT LESS COVER. 3. FLUSH VALVE, SLOAN "ROYAL" MODEL 111 -1.28, MANUAL EXPOSED WATER CLOSET FLUSHOMETER, POLISHED CHROME FINISH, 1.28 GPF. 4. TOILET CARRIER, ZURN MODEL ZN1201 NARROW WALL CARRIER, CARRIER TO SUIT PIPING ARRANGEMENT.
WC-2	WALL-MOUNTED FLUSHOMETER TOILET	4"	2"	1-1/4"	-	15" A.F.F.	1. AMERICAN STANDARD "AFWALL" MODEL 3351.101, WALL MOUNT TOILET, ELONGATED BOWL, 1.28 GPF, WHITE VITREOUS CHINA, 1-1/2" TOP SPUD. 2. TOILET SEAT, AMERICAN STANDARD MODEL 5905.100, ELONGATED EXTRA HEAVY DUTY OPEN FRONT LESS COVER. 3. FLUSH VALVE, SLOAN "ROYAL" MODEL 111 -1.28, MANUAL EXPOSED WATER CLOSET FLUSHOMETER, POLISHED CHROME FINISH, 1.28 GPF. 4. TOILET CARRIER, ZURN MODEL ZN1201 NARROW WALL CARRIER, CARRIER TO SUIT PIPING ARRANGEMENT.
SSNK-1	SERVICE SINK	2"	2"	1/2"	1/2"	26-1/4" A.F.F.	1. AMERICAN STANDARD "AKRON" MODEL 7695.008 24" x 20-1/2" ENAMELED CAST IRON SERVICE SINK WITH RIM GUARD. PROVIDE WITH 2" TRAP STAND WITH STRAINER & CLEANOUT PLUG MODEL 7798.020. 2. SERVICE FAUCET, AMERICAN STANDARD MODEL 8341.076 FAUCET WITH VACUUM BREAKER SPOUT AND INTEGRAL CHECK VALVES. 3. WALL HANGER.
FCO-1	FLOOR CLEANOUT	SIZE PER DWG MATCH LINE SIZE	-	-	-	FLUSH WITH FINISHED FLOOR	1. JAY R. SMITH MODEL 4023S, DUCO CAST IRON CLEANOUT, ADJUSTABLE 5-3/4" DIA. NICKEL BRONZE TOP, TAPER THREAD - BRONZE PLUG.
FD-1	FLOOR DRAIN	3"	2"	-	-	FLUSH WITH FINISHED FLOOR	1. JAY R. SMITH MODEL 2005, DUCO CAST IRON FLOOR DRAIN WITH FLASHING COLLAR, ADJUSTABLE 6" DIA. NICKEL BRONZE STRAINER HEAD AND QUAD CLOSE TRAP SEAL. 2. PROVIDE DEEP SEAL P-TRAP.
FD-2	FLOOR DRAIN	4"	2"	-	-	FLUSH WITH FINISHED FLOOR	1. JAY R. SMITH MODEL 2360, DUCO CAST IRON FLOOR DRAIN WITH FLASHING COLLAR, 12" DIA. NICKEL BRONZE GRATE, ADJUSTABLE TOP, FLAT BOTTOM STRAINER, SLOTTED SEDIMENT BUCKET AND QUAD CLOSE TRAP SEAL. 2. PROVIDE DEEP SEAL P-TRAP.
DN-1	DOWNSPOUT NOZZLE (RPZ DRAINAGE OUTLET)	2"	-	-	-	2'-0" A.F.G.	1. ZURN MODEL ZARB 199-SS, PLAIN BRONZE BODY, REMOVABLE STAINLESS STEEL SCREEN. 2. SIZE AS PER DRAWING.
HB-1	HOSE BIBB	-	-	1/2"	-	6" A.F.F.	1. CHICAGO FAUCETS MODEL 952-12CP, SILL FAUCET WITH VACUUM BREAKER SPOUT, 3/4" HOSE THREAD OUTLET, VANDAL PROOF 2-1/4" TEE HANDLE AND 1/2" NPT FEMALE THREAD INLET, CHROME PLATED FINISH.
WHA	WATER HAMMER ARRESTOR	-	-	VARIOUS	VARIOUS	-	1. ZURN MODEL 1260XL, LEAD FREE WATER HAMMER ARRESTER. 2. PROVIDE ON WATER SUPPLIES TO FIXTURES WITH QUICK VALVE CLOSURE. SIZE PER WATER LINE TO FIXTURE.

NOTES

1. COORDINATE ALL FIXTURE LOCATIONS AND HEIGHTS WITH ARCHITECTURAL PLANS.

WATER HEATER SCHEDULE

PLAN CODE	LOCATION	SERVICE	TYPE	INPUT (KW)	TURN-ON GPM	CAPACITY GPM	RECOVERY GPH	E.W.T. (°F)	L.W.T. (°F)	ELECTRICAL VOLT/φ/Hz	BASIS OF DESIGN	NOTES
EWH-1	BATHROOMS	DOMESTIC HOT WATER	TANKLESS	3.5	0.3	0.5	-	50	105	120/1/60	EEMAX - ACCUMIX II MODEL AM004120T	1, 2
EWH-2	BATHROOMS	DOMESTIC HOT WATER	MINI-TANK	1.5	-	6.0	9.89	50	140	120/1/60	EEMAX - MINITANK MODEL EMT6	-

NOTES

1. PROVIDE WITH INTEGRATED ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE.
2. FURNISH WITH FACTORY SUPPLIED LOOSE DISCONNECT MODEL EX68031-15. DISCONNECT SWITCH TO BE INSTALLED BY ELECTRICAL TRADE.

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GENERAL NOTES

1.

CONTRACTORS ARE URGED TO INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.
2.

PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AUTHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO THE LATEST ADOPTED VERSIONS OF ASHRAE, IBC, IPC, IFGC, NEC, NFPA, AND SMACNA.
3.

NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS.
4.

THE USE OF THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND CONNECT, READY TO USE.
5.

THE USE OF THE WORD "FURNISH" SHALL MEAN TO PROCURE AND DELIVER TO THE SITE.
6.

THE USE OF THE WORD "INSTALL" SHALL MEAN TO PHYSICALLY PLACE INTO SERVICE AND CONNECT, READY TO USE.
7.

EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN, FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY.
8.

THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE GENERAL ARRANGEMENT OF PIPING, DUCTWORK, CONDUITS, EQUIPMENT, ETC. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH DRAWINGS AND THE SPECIFICATIONS.
9.

BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, HEATING, VENTILATING AND AIR-CONDITIONING, ELECTRICAL, PLUMBING, AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER OPERATION OR INSTALLATION AND SHALL PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET PROJECT CONDITIONS.
10.

DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO PROFESSIONAL IN WRITING. OBTAIN WRITTEN INSTRUCTIONS FROM PROFESSIONAL AS TO THE MANNER IN WHICH TO PROCEED. NO DEPARTURES FROM THE PROJECT DOCUMENTS SHALL BE MADE WITHOUT PRIOR WRITTEN PERMISSION BY THE PROFESSIONAL. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY THE USE OF ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
11.

THE FIRE RESISTANCE RATINGS OF ALL WALLS, PARTITIONS, FLOORS, STEEL, ETC. SHALL BE MAINTAINED. THE APPLICATION OF PRODUCTS AND/OR DEVICES INTENDED TO MAINTAIN THESE RATINGS SHALL BE SUBMITTED FOR REVIEW AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
12.

IN ORDER TO AVOID DELAY IN THE PROJECT SCHEDULE, AND THE POSSIBLE INSTALLATION OF NON-SPECIFIED MATERIALS, THE CONTRACTOR IS RESPONSIBLE FOR ORDERING ALL PRODUCTS IN A TIMELY FASHION. IF A DELAY OCCURS DUE TO NEGLIGENCE ON PART OF THE CONTRACTOR, ANY FINANCIAL BURDEN ENCOUNTERED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13.

DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
14.

NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY CHECK WITH SITE CONDITIONS AND OTHER TRADES, DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
15.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS, WHETHER INDICATED ON THE CONTRACT DOCUMENTS OR NOT, WHERE REQUIRED TO PROVIDE ACCESS TO THEIR INSTALLATIONS. ACCESS PANELS SHALL MATCH THE FIRE RESISTANCE RATING OF THE PARTITION THAT THEY ARE BEING INSTALLED. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT AND WITH OTHER TRADES TO AVOID DUPLICATION.
16.

INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE. DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.
17.

CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
18.

THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTANTLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES, DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
19.

WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.
20.

WHERE DEVICE HEIGHT OF 48" OCCURS AT POINT OF CHANGE OF FINISH, THE DEVICE SHALL BE LOWERED TO OCCUR IN ONE FINISH.
21.

WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT & IN THE BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT.
22.

UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE BOX OR DEVICE.
23.

NOT ALL ABBREVIATIONS & SYMBOLS MAY APPLY TO THIS PROJECT.
24.

ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
25.

DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS.

MECHANICAL NOTES

1.

ANY PHYSICAL INSTALLATION MODIFICATIONS DUE TO FIELD CONDITIONS SHALL BE RESOLVED BY THE MECHANICAL CONTRACTOR IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MECHANICAL ENGINEER.
2.

THIS CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL AND SUPPORTS TO SUSPEND DUCTWORK AND EQUIPMENT.
3.

ALL EQUIPMENT SHALL BE INSTALLED WITH VIBRATION ISOLATORS.
4.

THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT TO ENSURE A COMPLETE SYSTEM.
5.

THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
6.

THE MECHANICAL CONTRACTOR SHALL SEAL ALL HIS RESPECTIVE WALL AND ROOF PENETRATIONS.
7.

THE MECHANICAL CONTRACTOR SHALL PAY FOR ALL FEES AND PERMITS AS NECESSARY TO COMPLETE THE INSTALLATION.
8.

ALL DUCTS THAT PENETRATE CHASES, WALLS, OR FLOORS WHICH ARE FIRE-RATED SHALL BE INSTALLED WITH FIRE DAMPERS IN ACCORDANCE WITH NFPA 90A. THIS APPLIES EVEN IF THEY ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS.
9.

COORDINATION DRAWINGS AT NOT LESS THAN A 1/4" PER FOOT. SHOWING THE PROPOSED EQUIPMENT ARE REQUIRED FOR ALL AREAS AND SHALL BE REVIEWED BY ALL TRADES PRIOR TO SUBMISSION TO THE PROFESSIONAL.
10.

ALL DUCTWORK, EQUIPMENT, PIPING, ETC. SHALL BE INSTALLED ABOVE THE FINISHED CEILING UNLESS SPECIFICALLY NOTED OTHERWISE.

DUCTWORK NOTES

1.

ALL DUCTWORK SIZES NOTED ARE FREE AREA SIZES.
2.

THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSTALLATION OF AIR DEVICES WITHIN THE CEILING GRID WITH LIGHTING FIXTURES, SPRINKLER HEADS, ETC.
3.

FLEXIBLE DUCT SHALL NOT BE ACCEPTABLE FOR EXHAUST FAN INSTALLATIONS.
4.

DUCTWORK SIZES ARE DEFINITE AND LOCATIONS ARE APPROXIMATE. MECHANICAL CONTRACTOR CAN MAKE MINOR DUCTWORK SIZE REVISIONS TO ACCOMMODATE AVAILABLE SPACE. SIZING SHALL BE BASED ON A MAXIMUM OF .08" PRESSURE LOSS PER 100' (STATIC PRESSURE), AND A MAXIMUM 1100 FPM AIR VELOCITY. DUCTWORK SYSTEMS SHALL BE SIZED BASED ON HVAC FAN STATIC PRESSURE AND FAN DUTY POINTS.

MECHANICAL ABBREVIATIONS

AB	ABOVE	H	HUMIDITY
AD	ACCESS DOOR OR AREA DRAIN	HC	HEATING CONTRACTOR
ADP	APPARATUS DEW POINT	HD	HEAD
AFF	ABOVE FINISHED FLOOR	HGT	HEIGHT
AFG	ABOVE FINISHED GRADE	HP	HORSEPOWER
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	HR	HOURL(S)
AGA	AMERICAN GAS ASSOCIATION	HUM	HUMIDIFIER
AHJ	AUTHORITY HAVING JURISDICTION	HW	HOT WATER
AHU	AIR HANDLING UNIT	HZ	HERTZ
AMB	AMBIENT	ID	INSIDE DIAMETER
AMP	AMPERES	IN WC	INCHES WATER COLUMN
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	INV	INVERT
APD	AIR PRESSURE DROP	IN WG	INCHES WATER GAGE
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR-CONDITIONING ENGINEERS	IW	INDIRECT WASTE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	JS	JANITORS SINK
AST	ABOVE GROUND STORAGE TANK	KW	KILOWATT
ATC	AUTOMATIC TEMPERATURE CONTROL	KWH	KILOWATT HOUR
ATCC	AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR	LxWxD	LENGTH x WIDTH x DEPTH
AVG	AVERAGE	LAT	LEAVING AIR TEMPERATURE
AWG	AMERICAN WIRE GAGE	L	LAVATORY
AWT	AVERAGE WATER TEMPERATURE	LAV	LAVATORY
AWWA	AMERICAN WATER WORKS ASSOCIATION	LF	LINEAR FEET
BAS	BUILDING AUTOMATION SYSTEM	LD	LINEAR DIFFUSER
BD	BALANCING DAMPER	LBS	POUNDS
BF	BLIND FLANGE	LRA	LOCKED ROTOR AMPERES
BS	BIRDSCREEN	LWT	LEAVING WATER TEMPERATURE
BDD	BACKDRAFT DAMPER	M/A	MIXED AIR
BTU	BRITISH THERMAL UNIT	MAX	MAXIMUM
BTUH	BRITISH THERMAL UNITS PER HOUR	MBH	1,000 BTUH
BHP	BRAKE HORSEPOWER	MMBH	1,000,000 BTUH
CA	COMMISSIONING AGENT OR AUTHORITY	MC	MECHANICAL CONTRACTOR
CCO	CEILING CLEANOUT	MD	MOTORIZED DAMPER
CFM	CUBIC FEET PER MINUTE	MFR	MANUFACTURER
CI	CAST IRON	MIN	MINIMUM
CLG	CEILING	MOD	MOTOR OPERATED DAMPER
CONN	CONNECTION	MR	MOP RECEPTOR
CONT	CONTINUATION	MTD	MOUNTED
CONV	CONVECTOR	N/A	NOT APPLICABLE
COP	COEFFICIENT OF PERFORMANCE	NC	NORMALLY CLOSED
CU FT	CUBIC FEET	NC	NOT IN CONTRACT
CU IN	CUBIC INCH	NG	NATURAL GAS
CW	COLD WATER	NO	NORMALLY OPEN
°C	DEGREES CELSIUS	NP	NON-POTABLE
°F	DEGREES FAHRENHEIT	NTS	NOT TO SCALE
ø	DIAMETER	O/A	OUTSIDE AIR
D	DRYER, APPLIANCE	OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
DB	DRY BULB	OED	OPEN END DUCT
DF	DOMESTIC BOOSTER PUMP	OZ	OUNCE
DHRP	DRINKING FOUNTAIN	P	PUMP
DIR	DOMESTIC HOT WATER RETURN PUMP	PC	PLUMBING CONTRACTOR
DN	DIRECT	PD	PRESSURE DROP
DP	DOWN	PH	PHASE
DR	DOMESTIC PUMP	PM	PARTS PER MILLION
DWG	DRAIN	PRV	PRESSURE REDUCING VALVE
DX	DRAWING	PSI	POUNDS PER SQUARE INCH
	DIRECT EXPANSION	PSIG	POUNDS PER SQUARE INCH GAUGE
(E)	EXISTING	PT	PRESSURE/TEMPERATURE TEST PORT
E/A	EXHAUST AIR	PVC	POLYVINYLCHLORIDE
EAT	ENTERING AIR TEMPERATURE	R/A	RETURN AIR
EC	ELECTRICAL CONTRACTOR	RD	ROOF DRAIN
EER	ENERGY EFFICIENCY RATIO	REQ'D	REQUIRED
EFF	EFFICIENCY	RH	RELATIVE HUMIDITY
ELEV	ELEVATION	RLA	RUNNING LOAD AMPS
ESP	EXTERNAL STATIC PRESSURE	RPM	REVOLUTIONS PER MINUTE
ETR	EXISTING TO REMAIN	RX	REMOVE EXISTING
EWC	ELECTRIC WATER COOLER	S	SINK
EWB	ELECTRIC WATER HEATER	S/A	SUPPLY AIR
EWT	ENTERING WATER TEMPERATURE	SATC	SUSPENDED ACOUSTICAL TILE CEILING
EXT. F&B	EXTERNAL FACE & BYPASS EXPANSION	SF	SQUARE FEET
EXP		S/FD	SMOKE/FIRE DAMPER
FA	FREE AREA	SH	SHOWER
FAS	FIRE ALARM SYSTEM	SI	SOLIDS INTERCEPTOR
FC	FLEXIBLE CONNECTION	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
FD	FLOOR DRAIN OR FIRE DAMPER	SP	STATIC PRESSURE
FLA	FULL LOAD AMPERES	T	TEMPERATURE
FLR	FLOOR	TBR	TO BE REMOVED
FMS	FACILITY MANAGEMENT SYSTEM	TCC	TEMPERATURE CONTROL CONTRACTOR
FOS	FUEL OIL SUPPLY	TD	TRENCH DRAIN
FOR	FUEL OIL RETURN	THA	TOTAL HEAT ADDED
FPC	FIRE PROTECTION CONTRACTOR	TP	TEST PORT
FPI	FINS PER INCH	TSP	TOTAL STATIC PRESSURE
FPM	FEET PER MINUTE	TSTAT	THERMOSTAT
FPS	FEET PROTECTION SYSTEM	TT	TEMPERATURE TRANSMITTER
FS	FLOOR SINK	TYP	TYPICAL
FT	FEET OR FOOT	UNO	UNLESS NOTED OTHERWISE
FT LB	FOOT POUND	UST	UNDERGROUND STORAGE TANK
GA	GAUGE	UR	URINAL
GAL	GALLONS	V	VENT
GALV	GALVANIZED	VAV	VARIABLE AIR VOLUME
GC	GENERAL CONTRACTOR	VBF	VENT BELOW FLOOR
GI	GREASE INTERCEPTOR	VRV	VARIABLE REFRIGERANT VOLUME
GPH	GALLONS PER HOUR	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	W	WASHER, APPLIANCE OR WASTE
GRD	GRILLES, REGISTERS, & DIFFUSERS	WB	WET BULB
GWH	GAS WATER HEATER	WC	WATER CLOSET
		WPD	WATER PRESSURE DROP

HVAC SYMBOL LEGEND

	SUPPLY AIR DEVICE
	RETURN/ EXHAUST AIR DEVICE
	RECTANGULAR ELBOW, MITERED WITH TURNING VANES
	VOLUME DAMPER
	MOTOR OPERATED DAMPER
	BACKDRAFT DAMPER
	FIRE DAMPER, PROVIDE ACCESS DOOR WHERE SHOWN
	FIRE & SMOKE DAMPER, PROVIDE ACCESS DOOR WHERE SHOWN
	SMOKE DAMPER, PROVIDE ACCESS DOOR WHERE SHOWN
	DUCT SMOKE DETECTOR
	DUCT MOUNTED SENSOR (SP-STATIC PRESSURE, DP-STATIC DIFFERENTIAL PRESSURE, T-TEMPERATURE)
	TEMPERATURE SENSOR
	THERMOSTAT
	COMBINATION THERMOSTAT/ HUMIDISTAT
	HUMIDISTAT
	CARBON MONOXIDE (CO) SENSOR
	CARBON DIOXIDE (CO2) SENSOR/ OCCUPANCY SENSOR
	DUCT, WIDTH x HEIGHT
	EXISTING DUCT TO REMAIN, WIDTH x HEIGHT
	EXISTING DUCT TO BE REMOVED, WIDTH x HEIGHT
	CHANGE OF DIRECTION, RISE (R), DROP (D)
	DUCT, ROUND DIAMETER SIZE
	DUCT TRANSITIONS, RECTANGULAR
	DUCT TRANSITION, RECTANGULAR TO ROUND
	DUCT ACCESS DOOR
	FLEX DUCT
	DUCT SECTION, SUPPLY OR OUTDOOR AIR
	DUCT SECTION, RETURN OR RELIEF AIR
	DUCT SECTION, EXHAUST
	DISCONNECT EXISTING
	CONNECT TO EXISTING
	SUPPLY AIRFLOW
	RETURN/ EXHAUST AIRFLOW
	HASHMARK FOR PIPING BELOW SLAB
	DETAIL DESIGNATION
	SECTION DESIGNATION

SHAKER BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY

MECHANICAL SYMBOLS, NOTES & ABBREVIATIONS

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REVISIONS	

PROJECT NUMBER
21-001
DATE
MARCH 18, 2025
DRAWN BY
CSH

BID DOCUMENTS

M-000

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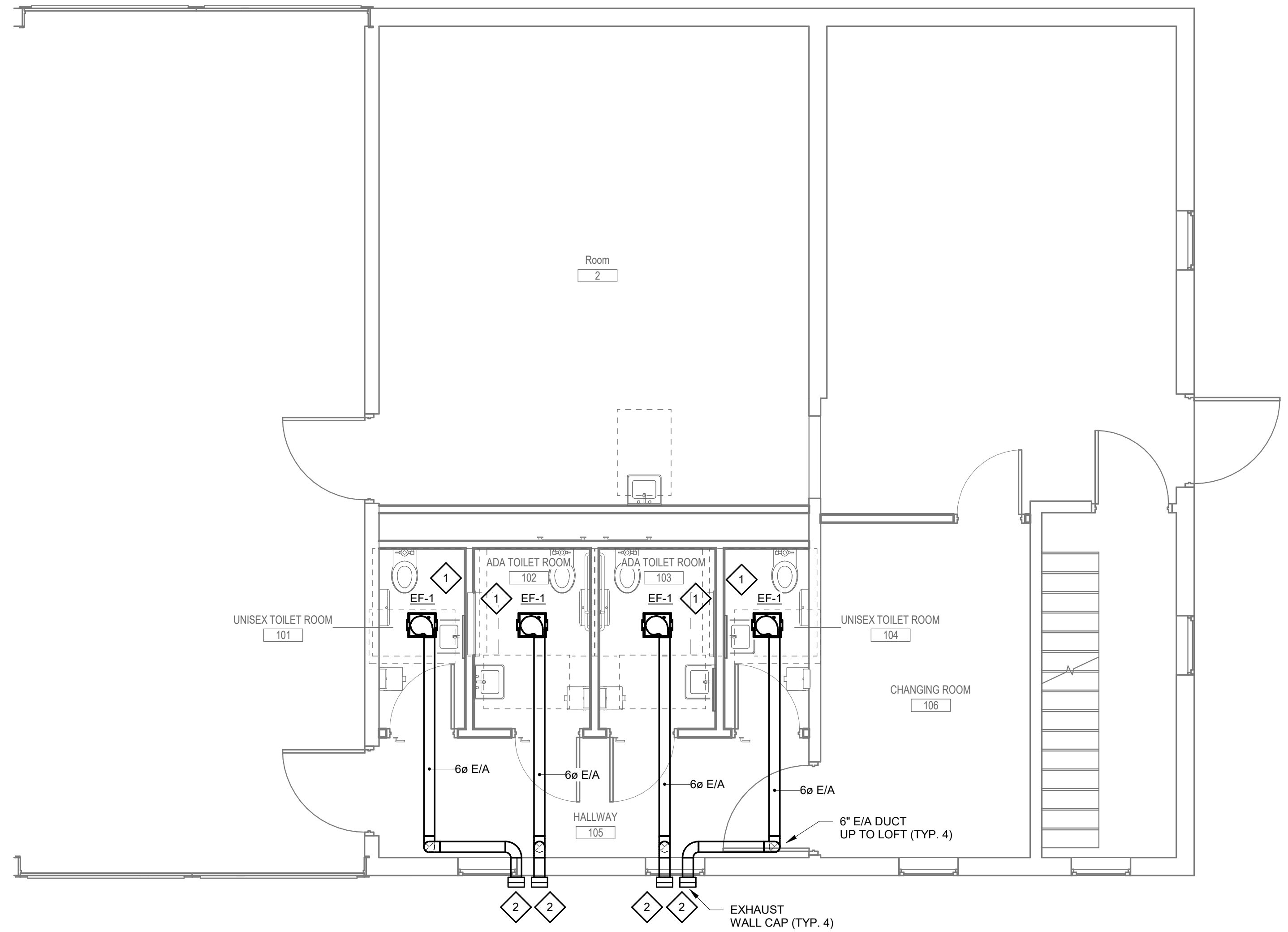
A

KEY NOTES:

1. PROVIDE EXHAUST FAN (EF-1) AND ASSOCIATED ACCESSORIES. BALANCE EXHAUST AIRFLOW TO 75 CFM. COORDINATE WITH ELECTRICAL TRADE.
2. PROVIDE EXHAUST WALL CAP AND ASSOCIATED ACCESSORIES. WALL CAP TO BE BROAN MODEL 843BL OR EQUIVALENT, 6" DIA., STEEL CONSTRUCTION, BLACK WITH BACKDRAFT DAMPER AND BIRDSCREEN. INSTALL APPROXIMATELY 23'-0" ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION AND COLOR WITH ARCHITECT.

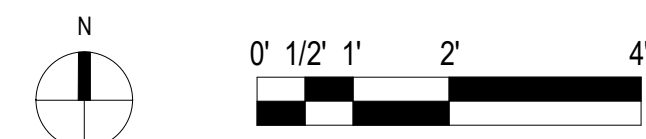
GENERAL NOTES:

- A. COORDINATE EXACT EQUIPMENT LOCATIONS AND DUCT ROUTING IN FIELD WITH EXISTING LOFT JOISTS.
- B. PAINT ALL EXPOSED DUCTWORK AND ASSOCIATED ACCESSORIES BLACK. COORDINATE WITH ARCHITECT FOR COLOR AND PAINT SPECIFICATIONS.



B6 MECHANICAL PLAN

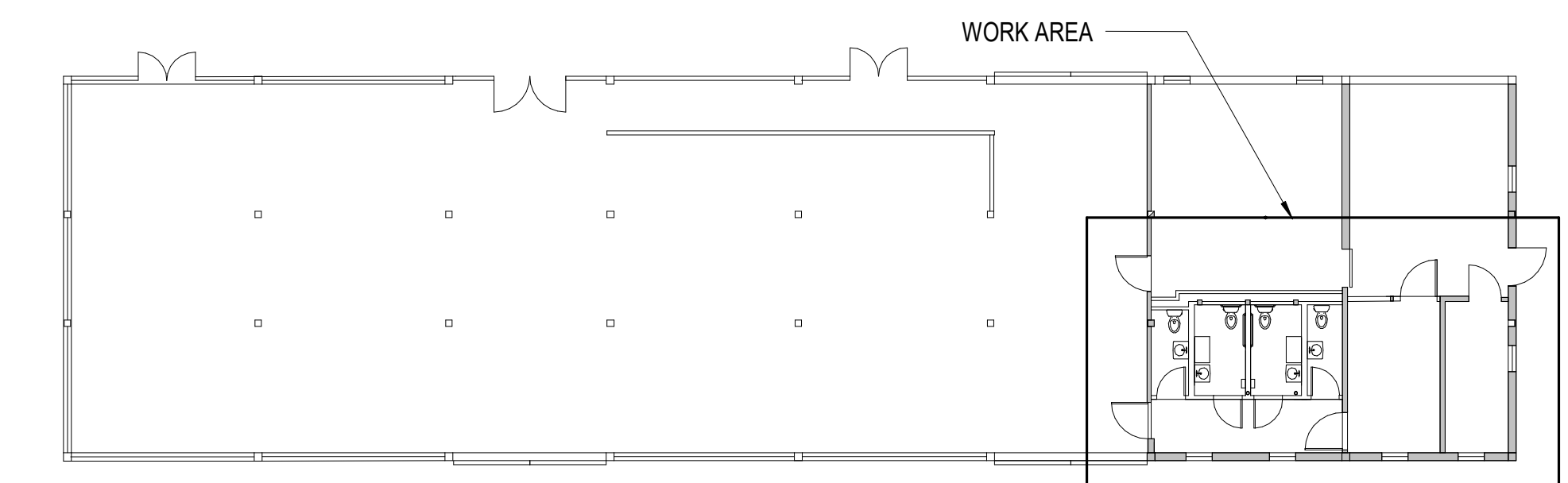
B6 MECH
1/4" = 1'-0"



EXHAUST FAN SCHEDULE										
PLAN CODE	LOCATION	SERVICE	TYPE	CFM	SP	ELECTRICAL	RPM	AMPS	BASIS OF DESIGN	NOTES
						VOLT/ø/Hz				
EF-1	TOILET ROOMS	EXHAUST	CEILING FAN	75	0.25	115/1/60	809	0.313	COOK - GEMINI MODEL GC-146	1

NOTES:

1. PROVIDE WITH PREWIRED FAN SPEED CONTROLLER, WHITE ALUMINUM GRILLE AND INTEGRAL BACKDRAFT DAMPER.
2. WALL MOUNTED MOTION SENSOR SWITCH WITH ADJUSTABLE TIME TO OFF DELAY TO BE PROVIDED BY ELECTRICAL TRADE.



KEY PLAN

1/16" = 1'-0"

1

2

3

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MECHANICAL PLAN

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REVISIONS

PROJECT NUMBER	21-001
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DATE
MARCH 18, 2025

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BID DOCUMENTS

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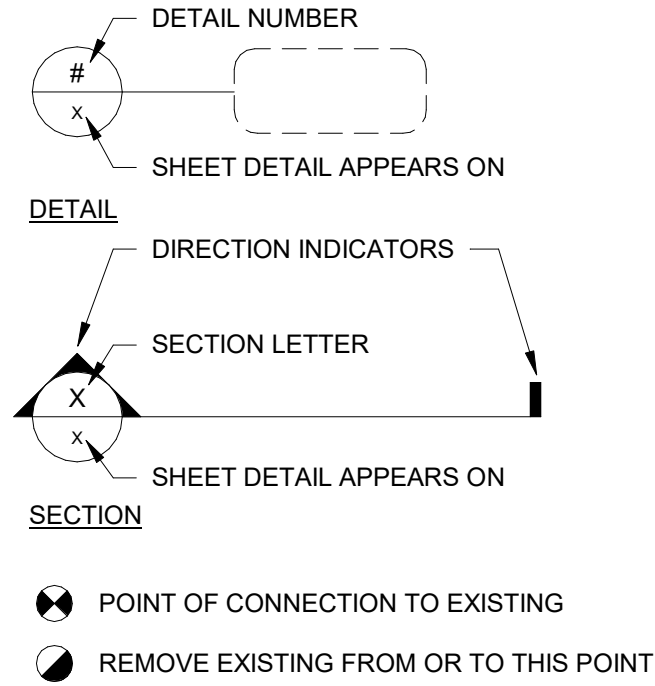
GENERAL NOTES:

- CONTRACTORS ARE URGED TO INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.
- PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, CONSTRUCTION TOOLS, TRANSPORTATION, INSURANCE, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, MAIN DITHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO, ASHRAE, IBC, NEC, AND NFPA.
- NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS.
- THE USE OF THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND CONNECT, READY TO USE.
- THE USE OF THE WORD "FURNISH" SHALL MEAN TO PROCURE AND DELIVER TO THE SITE.
- THE USE OF THE WORD "INSTALL" SHALL MEAN TO PHYSICALLY PLACE INTO SERVICE AND CONNECT, READY TO USE.
- EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN. FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY.
- BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, HEATING, VENTILATING AND AIR-CONDITIONING, ELECTRICAL, PLUMBING, AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER ORIENTATION OR INSTALLATION AND SHALL PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET PROJECT CONDITIONS.
- DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO PROFESSIONAL IN WRITING. OBTAIN WRITTEN INSTRUCTIONS FROM PROFESSIONAL AS TO THE MANNER IN WHICH TO PROCEED. NO DEPARTURES FROM THE PROJECT DOCUMENTS SHALL BE MADE WITHOUT PRIOR WRITTEN ACCEPTANCE OF THE PROFESSIONAL.
- DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
- NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES. DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.
- INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE; DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.
- CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
- THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK.
- WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.
- WHERE DEVICE HEIGHT OCCURS AT POINT OF CHANGE OF FINISH, THE DEVICE SHALL BE RAISED OR LOWERED TO OCCUR IN ONE FINISH. ENSURE RESULTING HEIGHT DOES NOT EXCEED ADA REQUIREMENTS.
- WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT AND IN EITHER THE TOP OR BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT. ENSURE RESULTING HEIGHT DOES NOT EXCEED ADA REQUIREMENTS.
- UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE WALL BOX OR DEVICE.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
- DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS. EXACT ROUTING OF CONDUITS AND CABLES SHALL BE DETERMINED BY JOB SITE SURVEY.
- PROVIDE 2-#12, 1-#12 GND IN MINIMUM 3/4"C FOR ALL 20A, SINGLE POLE BRANCH CIRCUITS, UNLESS OTHERWISE NOTED. FOR 120V BRANCH CIRCUITS, PROVIDE NEXT LARGER WIRE SIZE FOR ONE-WAY CIRCUIT DISTANCES GREATER THAN 100 FEET. FOR 208V BRANCH CIRCUITS, PROVIDE NEXT LARGER WIRE SIZE FOR ONE-WAY CIRCUIT DISTANCES GREATER THAN 150 FEET.

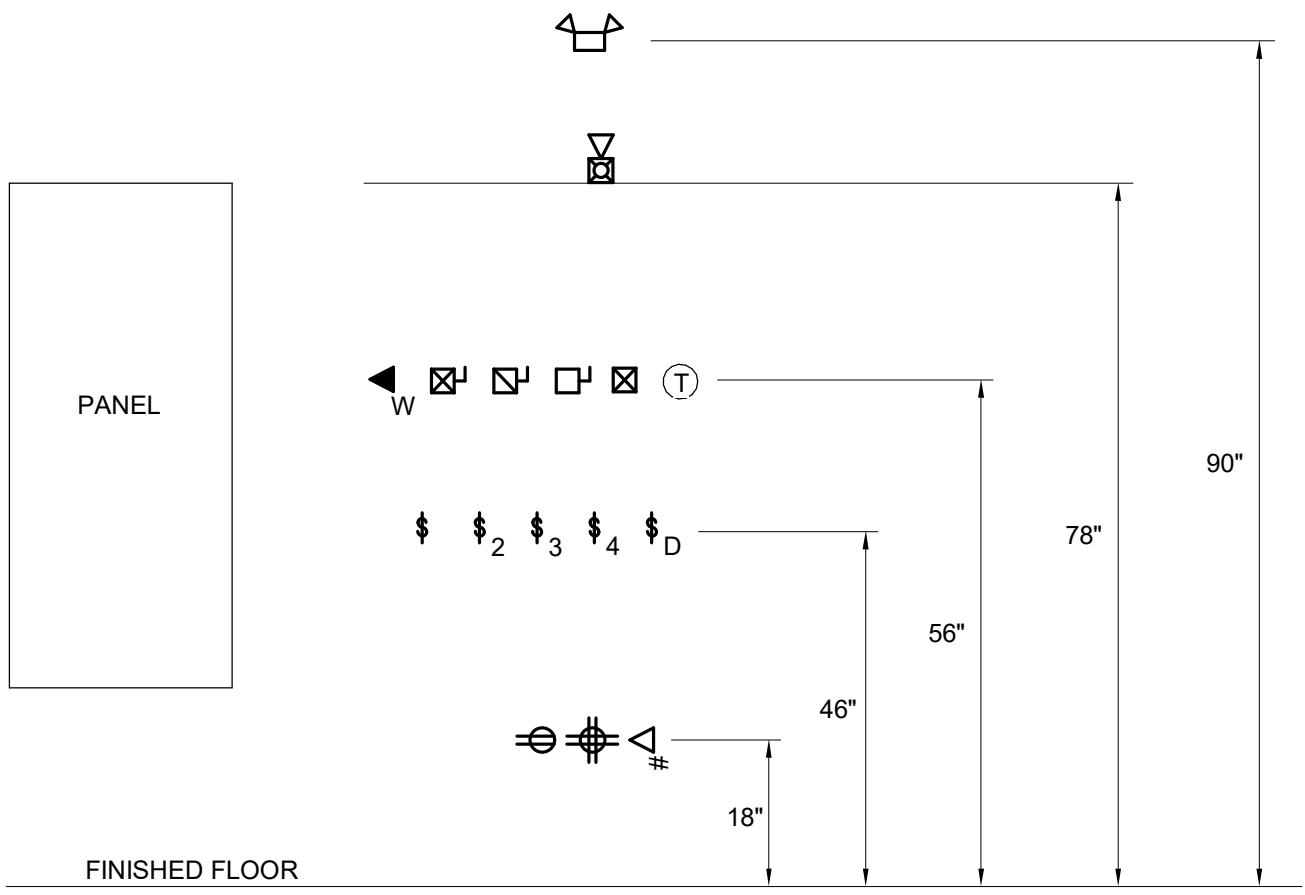
GENERAL DEMOLITION NOTES:

- THE DEMOLITION PLANS AND NOTES HAVE BEEN PREPARED TO ASSIST THE CONTRACTORS IN IDENTIFYING THE AREAS AND ITEMS OF DEMOLITION AND RENOVATION ASSOCIATED WITH THIS PROJECT. THE INFORMATION PROVIDED IS NOT MEANT TO BE ALL-INCLUSIVE IN TERMS OF LISTING EACH AND EVERY SPECIFIC TASK TO BE PERFORMED. EACH CONTRACTOR WILL THOROUGHLY EXAMINE ALL CONTRACT DOCUMENTS PRIOR TO PERFORMING ANY WORK.
- DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO, THE ITEMS INDICATED ON THE DEMOLITION DRAWINGS AND DESCRIBED IN THE DEMOLITION NOTES. THE EXTENT OF THE DEMOLITION WORK WILL INCLUDE ALL WORK REQUIRED TO COMPLETE THE PROJECT AND ENSURE WHETHER OR NOT THE WORK IS INDICATED ON THE DRAWINGS.
- EACH CONTRACTOR SHALL THOROUGHLY EXAMINE AND VERIFY ALL EXISTING CONDITIONS BEFORE PERFORMING ANY WORK AND IMMEDIATELY NOTIFY THE ARCHITECT, IN WRITING, OF ANY DISCREPANCIES WITH THE DRAWINGS.
- ANY WORK PERFORMED AS PART OF THIS CONTRACT REQUIRING OR ALTERATION WILL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR.
- ALL ITEMS NOTED TO BE REMOVED TO BE DISPOSED OF OFF-SITE BY RESPECTIVE CONTRACTORS, UNLESS NOTED OTHERWISE. WHERE INDICATED ON THE DRAWINGS AND/OR IN THE NOTES AS 'SALVAGE AND DELIVER TO OWNER', THE CONTRACTOR WILL CAREFULLY REMOVE INDICATED ITEMS AND STORE THEM WHERE DIRECTED BY THE OWNER.
- THE OWNER HAS THE OPTION TO RETAIN POSSESSION OF ANY REMOVED MATERIALS OR EQUIPMENT. ALL SUCH ITEMS SHALL BE CAREFULLY REMOVED AND STORED AT THE SITE BY THE CONTRACTOR WHERE DIRECTED BY THE OWNER. ANY MATERIALS OR EQUIPMENT NOT RETAINED BY THE OWNER WILL BECOME THE PROPERTY OF THE CONTRACTOR AND PROMPTLY REMOVED FROM SITE.
- ANY CONTRACTOR REMOVING OR MODIFYING MATERIAL CONTAINING ASBESTOS OR SUSPECTED OF CONTAINING ASBESTOS WILL NOTIFY THE OWNER AT ONCE AND STOP REMOVAL. IDENTIFICATION AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIAL WILL BE THE RESPONSIBILITY OF THE OWNER.
- REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, TECHNOLOGY AND PLUMBING DRAWINGS FOR DEMOLITION WORK BY RESPECTIVE CONTRACTORS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION ASSOCIATED WITH HIS CONTRACT AND SCOPE OF WORK. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY HIS DEMOLITION. THE EXTENT OF PATCH AND REPAIR SHALL BE AS REQUIRED TO RECEIVE THE SCHEDULED NEW WORK. ALL CONTRACTORS ARE RESPONSIBLE FOR COORDINATION OF WORK WITH OTHER CONTRACTORS BEFORE PERFORMING ANY WORK.
- ALL PATCH AND REPAIR WORK SHALL BE PERFORMED USING MATERIALS THAT MATCH THE EXISTING ADJACENT CONSTRUCTION. WHERE PATCHING EXISTING MASONRY WALLS OR INFILLING BETWEEN WALLS WITH MASONRY TO MATCH EXISTING, "TOOTH-IN" NEW MASONRY TO EXISTING.
- EACH CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING CONSTRUCTION SCHEDULED TO REMAIN. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY THEIR DEMOLITION. EACH CONTRACTOR SHALL PATCH (SUBSTRATE AND FINISHED SURFACES) ANY EXISTING FINISHES AFFECTED BY THEIR RESPECTIVE WORK.
- EXISTING CONDITIONS INDICATED ARE OBTAINED FROM AVAILABLE SOURCES (EXISTING DRAWINGS, FIELD SURVEYS, ETC.) AND ARE NOT GUARANTEED TO BE TRUE AND EXACT. CONTRACTOR(S) SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
- REMOVAL IN ITS ENTIRETY INCLUDES HANGERS, ELECTRICAL, CONTROLS, ETC., TO LEAVE A LIKE NEW OR MATCHING EXISTING CONDITION.

DETAIL, SECTION, & CONNECTION MARKS



MOUNTING HEIGHTS DETAIL



ELECTRICAL SYMBOLS

	DUPLEX RECEPTACLE - NEMA 5-20R - WALL MOUNTED - FLUSH
	JUNCTION BOX - WALL OR CEILING
	EQUIPMENT CONNECTION
	WALL SWITCH, LOWER CASE LETTER INDICATES SWITCHING ARRANGEMENT
	WALL MOUNTED LUMINAIRES - SEE FIXTURE SCHEDULE
	CEILING MOUNTED LUMINAIRES - SEE FIXTURE SCHEDULE
	EXIT SIGN - CEILING MOUNTED OR SUSPENDED - WITH DIRECTIONAL ARROWS AS INDICATED - SEE FIXTURE SCHEDULE
	EXIT SIGN - WALL MOUNTED - WITH DIRECTIONAL ARROWS AS INDICATED - SEE FIXTURE SCHEDULE
	COMBINATION EXIT SIGN AND EMERGENCY BATTERY PACK - WALL MOUNTED - SEE FIXTURE SCHEDULE
	FIXED 135-DEGREE HEAT DETECTOR
	MANUAL PULL STATION - 42" AFF TO CENTER OF HANDLE
	SMOKE DETECTOR, PHOTOELECTRIC TYPE (D - DUCT MOUNTED, I - IONIZATION TYPE, A - UNIT WITH AUXILIARY CONTACT)
	VISIBLE NOTIFICATION DEVICE - MOUNTING HEIGHT PER NFPA 72, NUMBER INDICATES CANDELA RATING
	AUDIBLE/VISIBLE NOTIFICATION DEVICE - MOUNTING HEIGHT PER NFPA 72, NUMBER INDICATES CANDELA RATING
	FIRE ALARM CONTROL UNIT - 6" AFF TO TOP OF BOX
	SURFACE MOUNTED PANELBOARD

NOTE: RECEPTACLES SHALL BE 18" AFF TO CENTER OF BOX, UNO

DEVICE DESIGNATIONS:
C - MOUNT 6" ABOVE SINK OR COUNTERTOP TO BOTTOM OF BOX
GF - GROUND FAULT INTERRUPTER
- CIRCUIT NUMBER

SWITCH DESIGNATIONS:
D - DIMMER
LV - LOW VOLTAGE
OS - OCCUPANCY SENSOR
3 - THREE WAY
FAN - FAN CONTROL OPTION

ABBREVIATIONS

A, AMP	AMPERE	LA	LIGHTNING ARRESTOR
ABN	ABANDON	L-N	LINE TO NEUTRAL
AC	ALTERNATING CURRENT	LED	LIGHT EMITTING DIODE
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERES INTERRUPTING CURRENT	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
AWG	AMERICAN WIRE GAUGE	MH	MANHOLE
BFF	BELOW FINISHED FLOOR	MIN	MINIMUM
BFG	BELOW FINISHED GRADE	MLO	MAIN LUG ONLY
BIL	BASIC IMPULSE LEVEL	MOV	METAL OXIDE VARISTOR
BLDG	BUILDING	MOD	MOTOR OPERATED DAMPER
C	CONDUIT	MVA	MEGAVOLT AMPERES
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSED
CCTV	CLOSED CIRCUIT TELEVISION	NE	NORMAL EMERGENCY
CKT	CIRCUIT	NEC	NATIONAL ELECTRICAL CODE
CLG	CEILING	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
CONC	CONCRETE	NIC	NOT IN CONTRACT
CONN	CONNECTION	NO	NORMALLY OPEN
CP	CONTROL PANEL	NTS	NOT TO SCALE
CT	CURRENT TRANSFORMER		
CU	COPPER	OC	ON CENTER
DC	DIRECT CURRENT	OL	OVERLOAD
DET	DETAIL	OH	OVERHEAD
DIA, Ø	DIAMETER	P	POLE
DISC	DISCONNECT	PC	PHOTOCELL
DN	DOWN	PF	POWER FACTOR
DWG	DRAWING	PFFB	PROVISIONS FOR FUTURE BREAKER
E, (E)	ELECTRIC, ELECTRICAL	PH, Ø	PHASE
EC	ELECTRICAL CONTRACTOR	PNL	PANEL
ELEV	ELEVATION	PT	POTENTIAL TRANSFORMER
EM, EMER	EMERGENCY	PVC	POLYVINYLCHLORIDE
EQUIP	EQUIPMENT		
ETR	EXISTING TO REMAIN	REQ'D	REQUIRED
EX, EXIST	EXISTING	RGS	RIGID GALVANIZED STEEL
EXH	EXHAUST	RLA	RUNNING LOAD AMPS
EXT	EXTERNAL	RES	RESISTOR
FA	FIRE ALARM	RMC	RIGID METAL CONDUIT
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RMS	ROOT MEAN SQUARE
FACP	FIRE ALARM CONTROL PANEL	RPM	REVOLUTIONS PER MINUTE
FBO	FURNISHED BY OTHERS	RX	REMOVE EXISTING
FCU	FAN COIL UNIT		
FLA	FULL LOAD AMPERES	SA	SURGE ARRESTOR
FLEX	FLEXIBLE	SEC	SECONDARY
FLR	FLOOR	SMR	SURFACE METAL RACEWAY
FIN	FINISHED	SYM	SYMMETRICAL
FT	FEET	T	TRANSFORMER
FU	FUSE	TEMP	TEMPERATURE
GA	GAUGE	TC	TRIP COIL
GALV	GALVANIZED	TRANS	TRANSFORMER
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GEN	GENERATOR		
GFI	GROUND FAULT INTERRUPTER	UG	UNDERGROUND
GR	GRADE	UH	UNIT HEATER
GRD	GROUND	UNO	UNLESS NOTED OTHERWISE
HP	HORSEPOWER	V	VOLTS
HZ	HERTZ	VAC	VOLTS ALTERNATING CURRENT
INT	INTERRUPTING	VM	VOLT METER
JB	JUNCTION BOX	VP	VAPOR PROOF
KA	KILO AMPERE	W	WATTS
KCMIL	THOUSAND CIRCULAR MILS	WG	WIRE GUARD
KV	KILOVOLT	W/	WITH
KVA	KILOVOLT AMPERES	W/O	WITHOUT
KVAR	KILOVOLT AMPERES REACTIVE	WP	WEATHERPROOF
KW	KILOWATT	WT	WEIGHT
KWH	KILOWATT HOUR	XFMR	TRANSFORMER

DRAWING CONVENTIONS

	DRAWING NOTE - REFER TO DRAWING NOTE LIST ON SHEET (NEW WORK)
	DRAWING NOTE - REFER TO DRAWING NOTE LIST ON SHEET (DEMOLITION)
	FEEDER TAG - REFER TO FEEDER SCHEDULE ON DRAWING Ex.xx

GENERAL SYMBOL NOTES:

- EXISTING DEVICES TO REMAIN ARE SHOWN IN LIGHT LINEWEIGHT.
- EXISTING DEVICES TO BE REMOVED ARE SHOWN IN DASHED LINEWEIGHT.
- NOT ALL ABBREVIATIONS & SYMBOLS MAY APPLY TO THIS PROJECT.

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SHAKER BARN RESTROOM

STATE UNIVERSITY
CONSTRUCTION FUND

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REVISIONS

LTRW PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

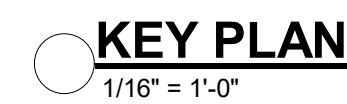
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REVISIONS

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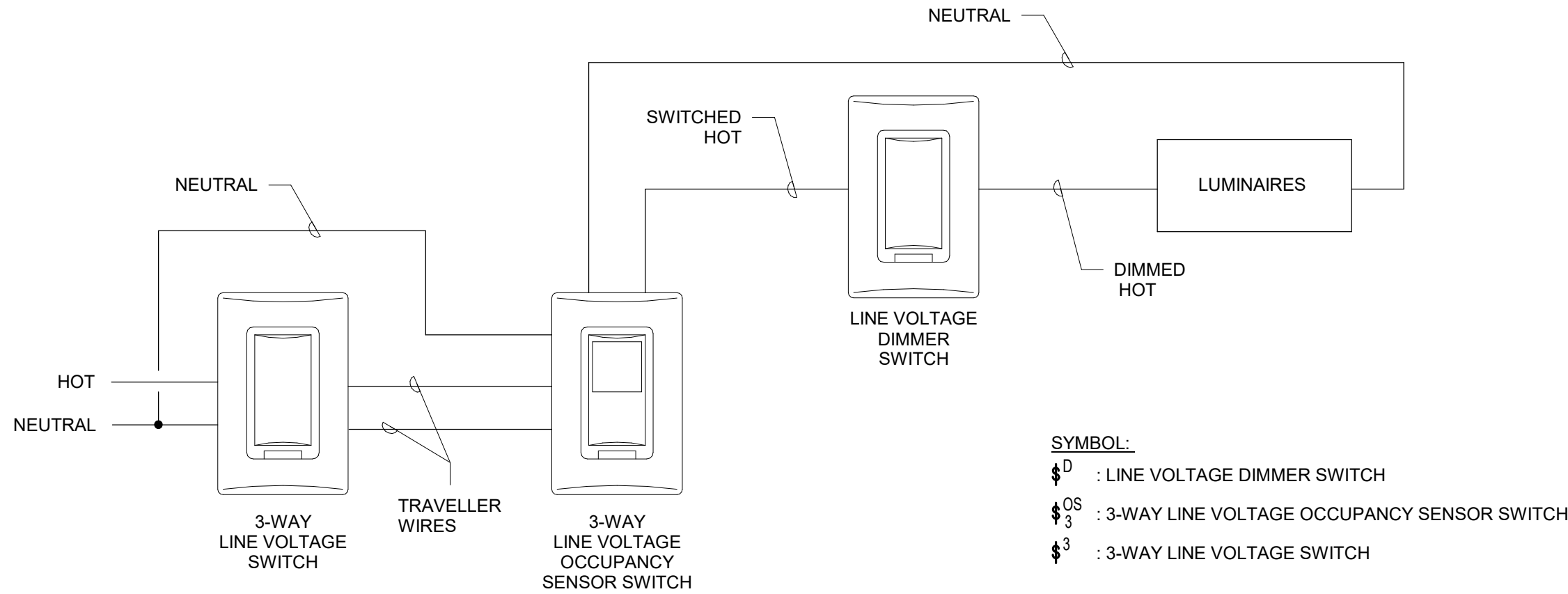
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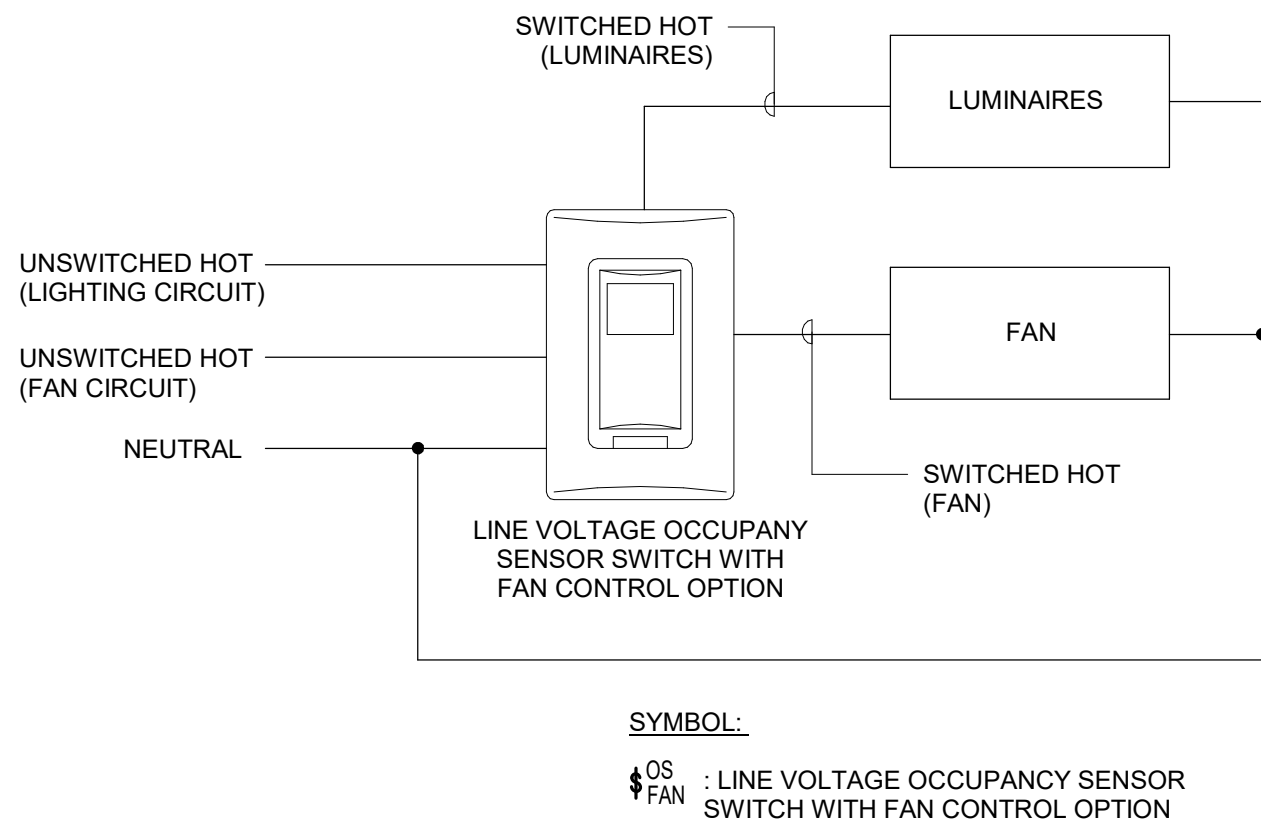


SEQUENCE OF OPERATION:

- UPON ENTERING THE SPACE THE OCCUPANCY SENSOR SWITCH SHALL AUTOMATICALLY TURN ON THE LUMINAIRE. THE OCCUPANT CAN THEN ADJUST THE LIGHT LEVEL IN THE ROOM USING THE DIMMER SWITCH. ONCE THE OCCUPANT HAS LEFT THE SPACE THE SWITCH SENSOR SHALL TURN OFF THE LUMINAIRE AFTER 20 MINUTES OF INACTIVITY.

TYPICAL 3-WAY WALL SENSOR SWITCH & DIMMING SWITCH LIGHTING CONTROL WIRING DIAGRAM

E1
NO SCALE



SEQUENCE OF OPERATION:

- UPON ENTERING THE SPACE THE SWITCH OCCUPANCY SENSOR SHALL AUTOMATICALLY TURN ON THE LUMINAIRE AND FAN. ONCE THE OCCUPANT HAS LEFT THE SPACE THE SWITCH SENSOR SHALL TURN OFF THE LUMINAIRE AFTER 20 MINUTES OF INACTIVITY. THE FAN WILL REMAIN RUNNING FOR THE MINIMUM LENGTH OF TIME AS REQUIRED BY ASHRAE 62.2.

TYPICAL WALL SENSOR SWITCH LIGHTING CONTROL WIRING DIAGRAM

E6
NO SCALE

LUMINAIRE SCHEDULE															
TYPE	DESIGN MAKE	DESCRIPTION	HOUSING	REFLECTOR/LENS	HOUSING/REFLECTOR FINISH	MOUNTING	LAMP TYPE	COLOR TEMPERATURE	CRI	LUMEN OUTPUT	FIXTURE WATTAGE (WATT)	EFFICIENCY (LUMEN/WATT)	DIMMING TYPE (DOWN TO %)	VOLTAGE (VOLTS)	NOTES
WA	BARNLIGHT ELECTRIC COMPANY #BLE-G-CGG-G3	INDUSTRIAL GUARD (JELLY JAR) DOUBLE VANITY LIGHT WITH WALL PLATE	CAST METAL WITH FLARED SHADE & WIRE GUARD	FROSTED GLASS	GALVANIZED	WALL	LED	3000K	90	3200	32	100	TRIAC (1%)	120	
WB	BARNLIGHT ELECTRIC COMPANY #BLE-WV-CGG2	INDUSTRIAL GUARD (JELLY JAR) SCONCE	CAST METAL WITH FLARED SHADE & WIRE GUARD	FROSTED GLASS	GALVANIZED	WALL	LED	3000K	90	1600	16	100	TRIAC (1%)	120	
SA	BARNLIGHT ELECTRIC COMPANY #BLE-S-CGG	INDUSTRIAL GUARD (JELLY JAR) FLUSH MOUNT LIGHT	CAST METAL WITH WIRE GUARD	FROSTED GLASS	GALVANIZED	CEILING	LED	3000K	90	1600	16	100	TRIAC (1%)	120	
EM	LITHONIA #EU2L	EMERGENCY BATTERY PACK WITH TWO (2) LAMP HEADS	THERMOPLASTIC	CLEAR	WHITE	WALL	LED	--	--	--	0.33	--	--	120	
XEM	LITHONIA #ECC	COMBINATION EXIT SIGN & EMERGENCY BATTERY PACK WITH TWO (2) LAMP HEADS	THERMOPLASTIC	RED LETTERING	WHITE	WALL	LED	--	--	--	1.1	--	--	120	
NOTES:															
1.															
2.															
3.															

LUMINAIRE SCHEDULE

A1
NO SCALE