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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SHAKER BARN RESTROOM
SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
COVER SHEET

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

DRAWN BY
FL

BID DOCUMENTS

G001

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ABBREVIATIONS

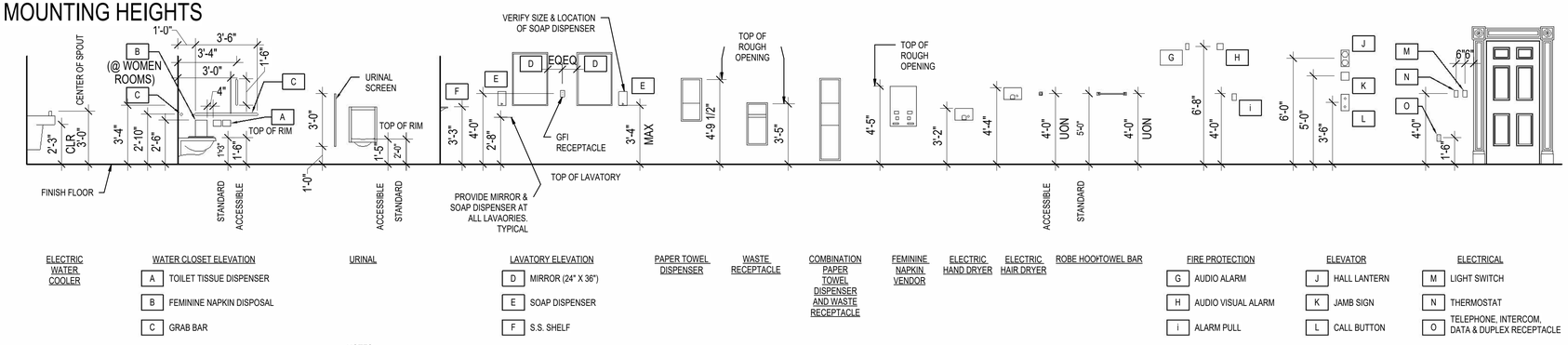
AAF	ABOVE ACCESS FLOOR
ABV	ABOVE
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFL	ACCESS FLOOR(ING)
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AP	ACCESS PANEL
AS	ABOVE SLAB
AUX	AUXILIARY
AVG	AVERAGE
B/C	BOTTOM OF CURB
BLDG	BUILDING
BOT	BOTTOM
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BYD	BEYOND
CB	CATCH BASIN
CTR	CENTER
CF	CUBIC FOOT
CJ	CONTROL JOINT
CLG	CEILING
CLL	CONTRACT LIMIT LINE
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
CONF	CONFERENCE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CY	CUBIC YARD
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DOOR OPENING
DW	DISHWASHER
DWG	DRAWING
EF	EXHAUST FAN
EIFS	EXTERIOR INSULSTION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHERCABINET
FF	FINISH FLOOR
FL	FLOOR
FRT	FIRE RETARDANT TREAT(ED,MENT)
FT	FEET, FOOT
FTG	FOOTING
GALV	GALVANIZED
GWB	GYPSUM WALL BOARD
H	HIGH
HDG	HOT-DIPPED GALVANIZED
HDW	HARDWARE
HM	HOLLOW METAL
HOR	HORIZONTAL
HVAC	HEATING, VENTILATING & AIR CONDITIONED
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH
INT	INTERIOR
JC	JANITOR'S CLOSET
L	LENGTH, LONG
LAB	LABORATORY
LB	POUND(S)
LCC	LEAD COATED COPPER
LF	LINEAR FEET
LL	LIVE LOAD
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MTD	MOUNTED
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPG	OPENING
OPP	OPPOSITE
PCC	PRECAST CONCRETE
P/F	PRE-FINISHED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PVC	POLYVINYL CHOLORIDE
QTY	QUANTITY
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR
REINF	REINFORCE(D,MENT)
REQD	REQUIRED
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SF	SQUARE FOOT
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC	SPECIFICATION(S)
SS	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPERATURE
TO	TOP OF
TOC	TOP OF CURB
TOF	TOP OF FRAME
TOS	TOP OF SLAB/STEEL
TOW	TOP OF WALL
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTED POWER SUPPLY
VCT	VINYL COMPOSITION TILE
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	WIDE, WIDTH
W/D	WASHER/DRYER
WC	WATER CLOSET
WP	WATERPROOF, WORKING POINT
WO	WINDOW OPENING
WWF	WELDED WIRE FABRIC

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.

GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. CONTRACTOR SHALL PROVIDE A CERTIFICATE OF INSURANCE TO THE SATISFACTION OF THE OWNER'S INSURANCE CARRIER BEFORE WORK COMMENCES.
5. 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.
6. ALL WORK SHALL BE COMPLETED IN A TIMELY AND PROFESSIONAL MANNER. THE WORKSITE SHALL BE KEPT CLEAN TO THE SATISFACTION OF THE OWNER.
7. REMOVE & SALVAGE OR REMOVE & DISPOSE AS INDICATED IN THESE DRAWINGS. PROTECT IN PLACE ALL EXISTING ITEMS TO REMAIN.
8. 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.
9. 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.
10. 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.
11. 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.
12. IF REQUIRED BY THE OWNER, CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION SCHEDULE WITH OTHER CONTRACTORS RETAINED BY THE OWNER.

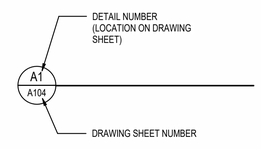
MOUNTING HEIGHTS



ELECTRIC WATER COOLER	WATER CLOSET ELEVATION		URINAL	LAVATORY ELEVATION		PAPER TOWEL DISPENSER	WASTE RECEPTACLE	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	FEMININE NAPKIN VENDOR	ELECTRIC HAND DRYER	ELECTRIC HAIR DRYER	ROBE HOOKTOWEL BAR	FIRE PROTECTION		ELEVATOR		ELECTRICAL	
	A	TOILET TISSUE DISPENSER		D	MIRROR (24" X 36")								G	AUDIO ALARM	J	HALL LANTERN	M	LIGHT SWITCH
	B	FEMININE NAPKIN DISPOSAL		E	SOAP DISPENSER								H	AUDIO VISUAL ALARM	K	JAMB SIGN	N	THERMOSTAT
	C	GRAB BAR		F	S.S. SHELF								i	ALARM PULL	L	CALL BUTTON	O	TELEPHONE, INTERCOM, DATA & DUPLEX RECEPTACLE

NOTES
THE HEIGHTS ILLUSTRATED ON THIS DRAWING ARE FOR COMMON WALL MOUNTED ITEMS & NOT MEANT TO BE AN ALL INCLUSIVE LIST, REFER TO INTERIOR ELEVATIONS.
UNLESS OTHERWISE NOTED, THE DIMENSIONS ABOVE ARE TO THE TOP OR BOTTOM OF FIXTURE, DEVICE OR FACEPLATE.

LEGEND



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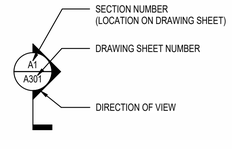

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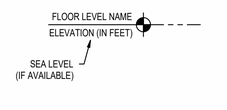

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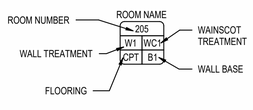
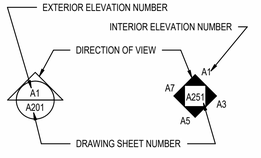
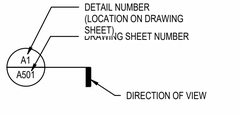


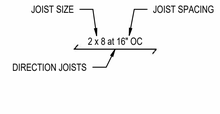
ROOM FINISH



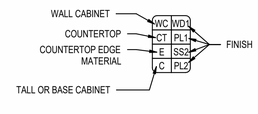
ELEVATION MARKER



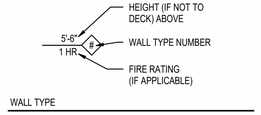
DETAIL MARKER



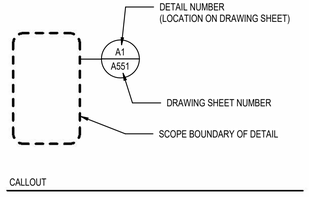
JOIST LAYOUT



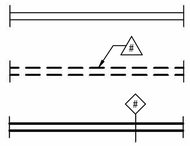
MILLWORK FINISH



WALL TYPE



CALLOUT



EXISTING WALL/PARTITION CONSTRUCTION AS INDICATED BY WALL TYPE

EXISTING TO BE REMOVED

PROVIDE WALL/PARTITION AS INDICATED BY WALL/PARTITION TYPE, REFER TO CONSTRUCTION FLOOR PLANS

ROOM NAME RM # 500 SF	ROOM TAG	1	KEYED NOTE: REMOVALS	1	LOUVER TAG
		1	ADDENDUM INDICATOR	A#	KEY PLAN ELEVATION MARKER
101.1	DOOR TAG	12 / 6	ROOF PITCH	UP	STAIR/RAMP DIRECTION
W202	WINDOW TAG	6/12	SLOPE	ExA	EXISTING GRID PREFIX / COLUMN GRID
1	KEYED NOTE: CONSTRUCTION				

	UNDISTURBED EARTH		GYPSUM WALLBOARD, GROUT, MORTAR, PLASTER OR STUCCO		RIGID INSULATION OR COVERBOARD
	DRAINABLE FILL		CONTINUOUS WOOD FRAMING		STEEL
	GRANULAR FILL (GRAVEL)		WOOD BLOCKING		STONE (CUT OR CAST)
	BRICK MASONRY		HARD WOOD		SOLID SURFACE, MDF, MDO OR PARTICLE BOARD
	CONCRETE		PLYWOOD		ALUMINUM
	CONCRETE MASONRY UNITS (CMU)		FIBERGLASS BATT INSULATION		

DRAWING ORGANIZATION

DISCIPLINE PREFIX
SHEET TYPE
SHEET SEQUENCE
SHEET DESCRIPTION

G002	SERIES	ARCHITECTURAL SYMBOLS, ABBREVIATIONS, BUILDING CODE, WALL/PARTITION TYPES, GENERAL NOTES, KEYED NOTES
AR00	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 BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
NOTES, SYMBOLS & ABBREVIATIONS

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

DRAWN BY
TRW

BID DOCUMENTS

G002

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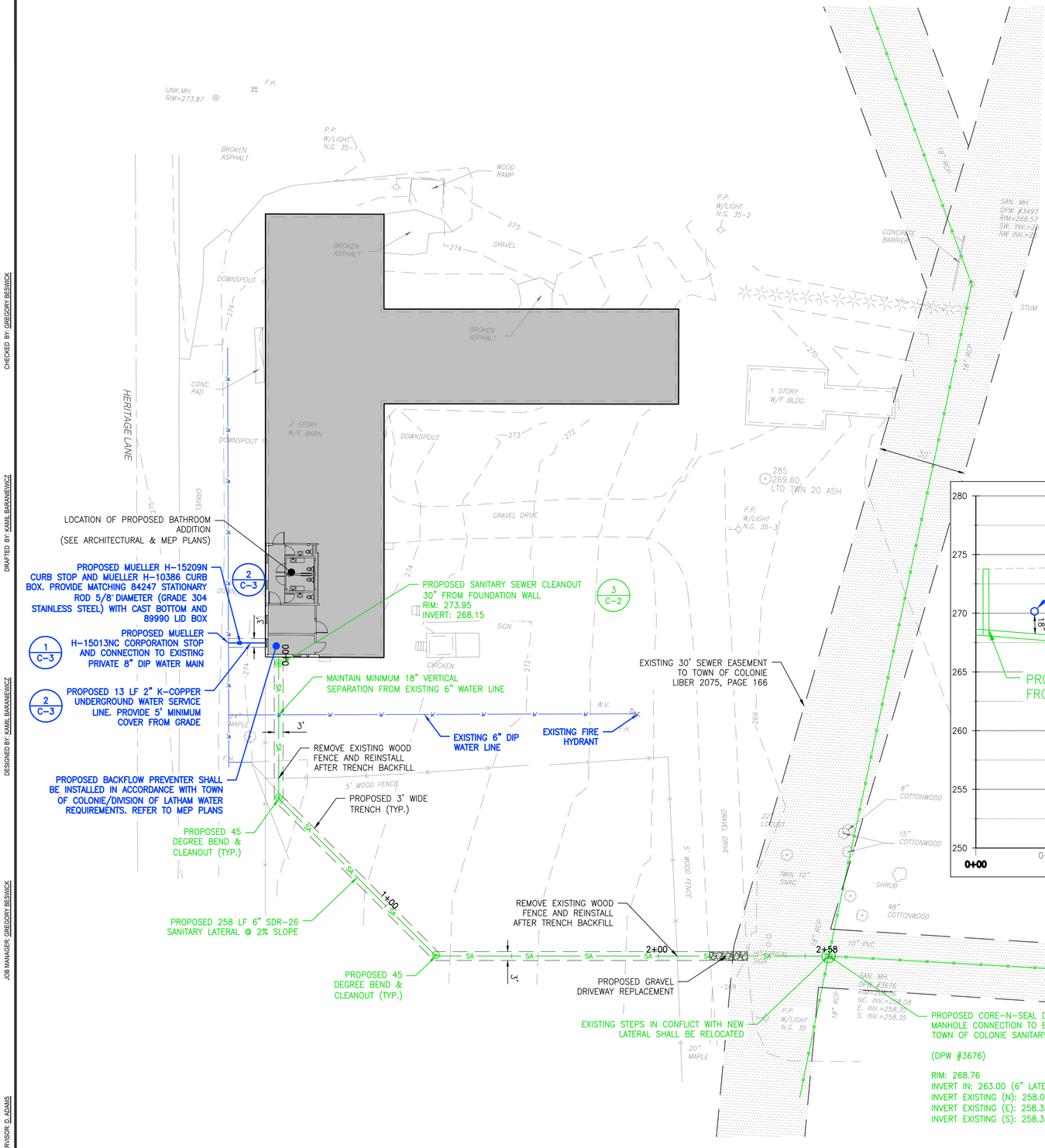
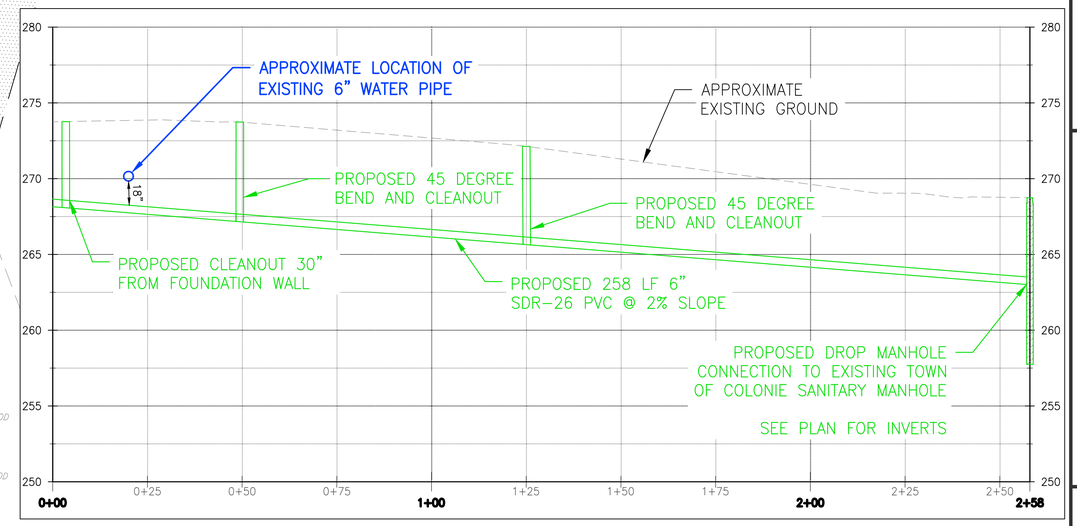
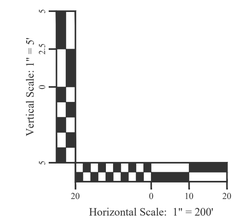
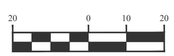
FILE NAME: N:\Projects\2024\124-208 Thaler Realty Wilton - Shaker Barn Restroom Addition\Working\CADD\Civil\124-208_UTILITY PLAN.dwg
LAST SAVED BY: Kamil A. Baranewicz
PLOT DATE: May 9, 2025 2:56 PM

DESIGN SUPERVISOR: D. ADAMS
DRAFTED BY: KAMIL BARANEWICZ
JOB MANAGER: GREGORY BESWICK
DESIGNED BY: KAMIL BARANEWICZ
CHECKED BY: GREGORY BESWICK









LEGEND

DESCRIPTION	PROPOSED
PROPOSED SANITARY LATERAL	—SA—
PROPOSED SANITARY CLEANOUT	⊕
PROPOSED GRAVEL	
PROPOSED WATER SERVICE	—W—
PROPOSED WATER VALVE	⊗

NO.	REVISION	DATE	BY
3	REVISED PER DPW COMMENTS	05/12/2025	KB
2	REVISED PER DPW COMMENTS	04/09/2025	KB
1	COORDINATION SET	11/11/2024	KB

Call 811 before you dig

PROGRESS PRINT NOT FOR CONSTRUCTION

Creighton Manning
a GAI Company

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

UTILITY PLAN

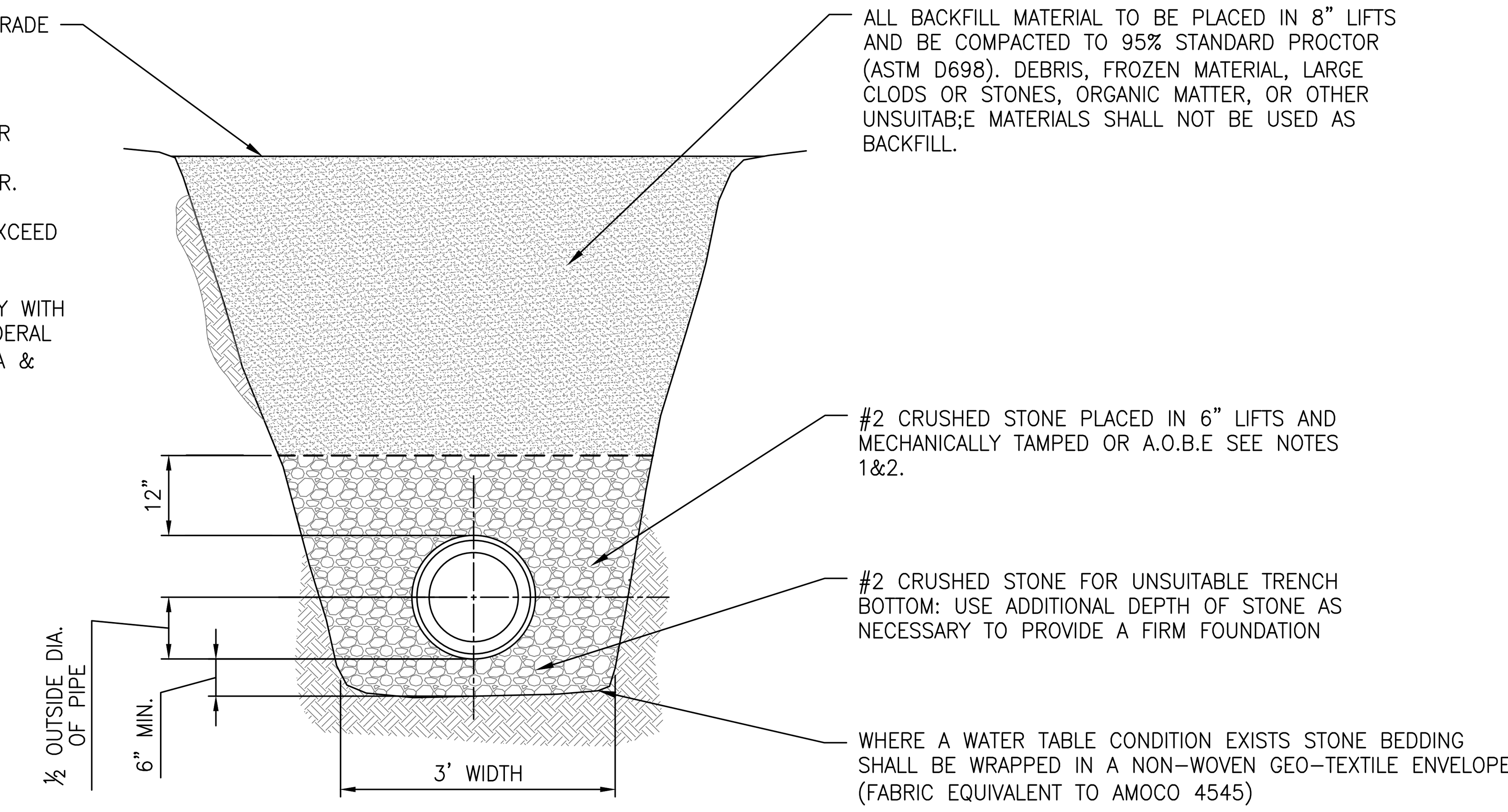
DATE: MARCH 18 2025	CME No.: 124-208	SCALE: AS NOTED

C-1

SHEET NUMBER 1 of 3

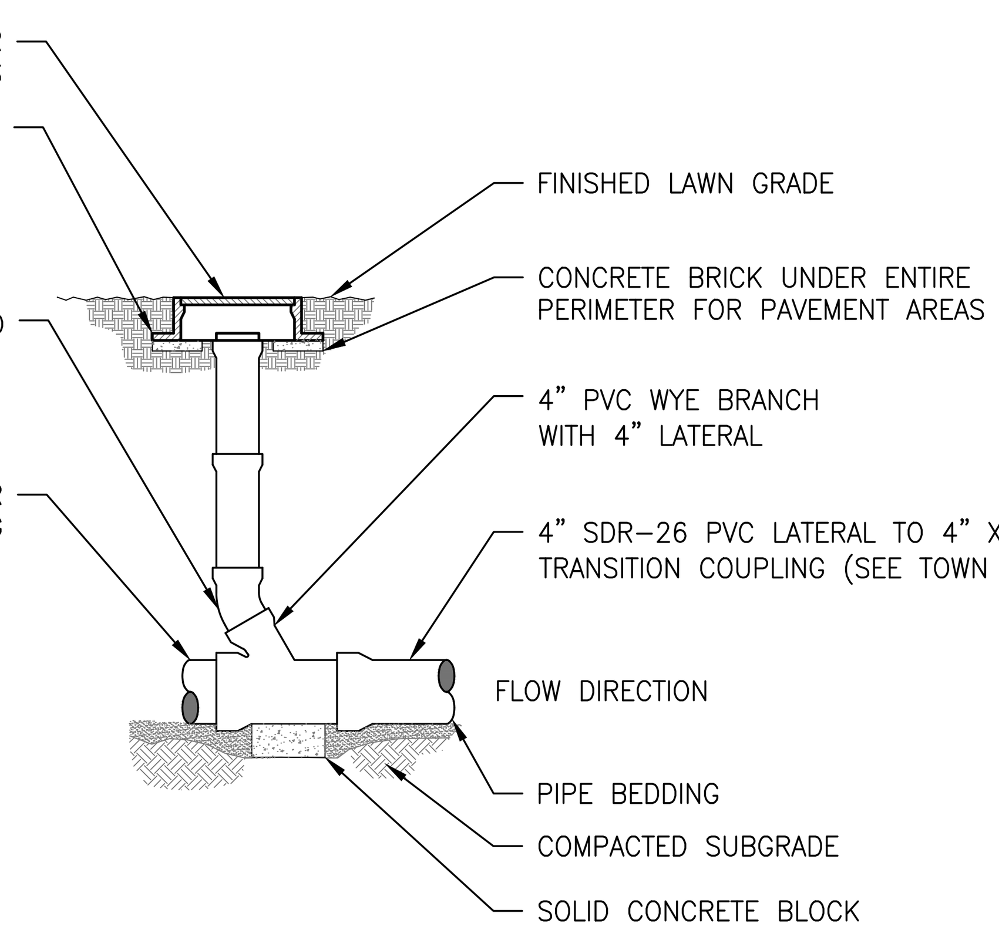
NOTES:

1. NATIVE EXCAVATED GRANULAR MATERIAL MAY BE USED IF APPROVED BY THE ENGINEER.
2. CRUSHED STONE NOT TO EXCEED #2 IN SIZE.
3. CONTRACTORS MUST COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFTEY REGULATIONS. (OSHA & NYS DOT)



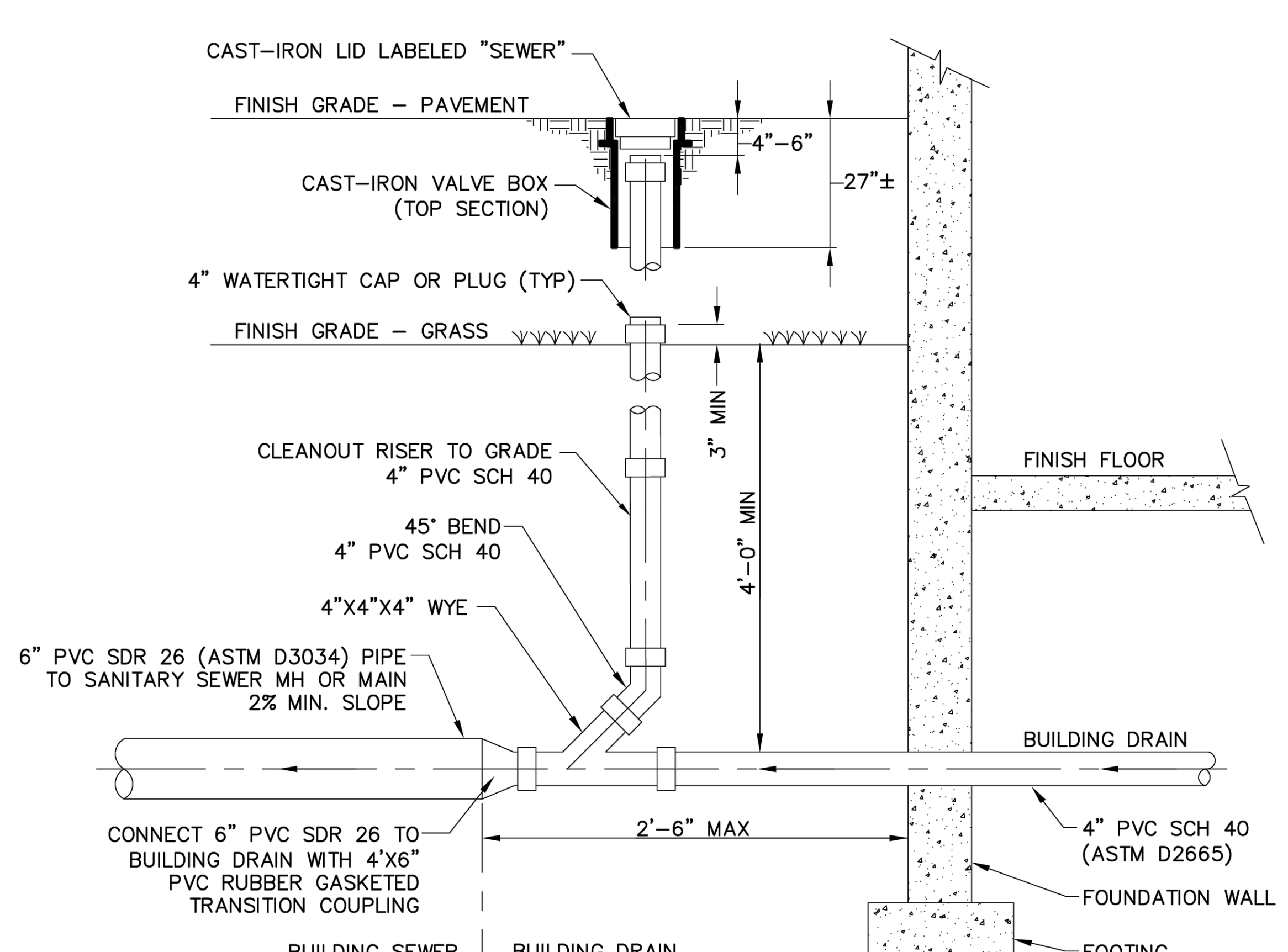
1 SANITARY SEWER TRENCH DETAIL

SCALE: NTS



2 CLEAN OUT DETAIL

SCALE: NTS

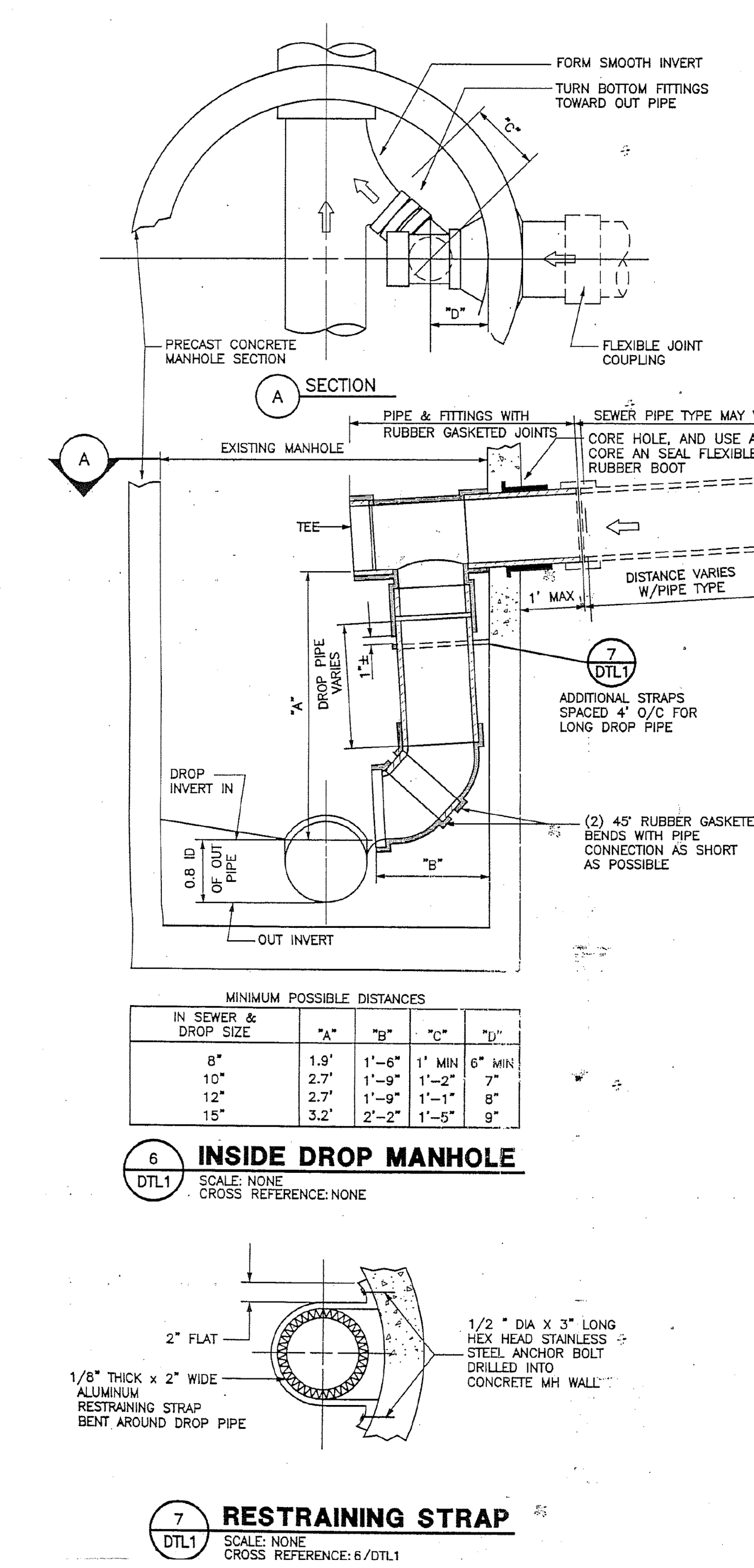


3 TOWN OF COLONIE BUILDING DRAIN DETAIL

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.



MINIMUM POSSIBLE DISTANCES

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"

4 DROP MANHOLE CONNECTION DETAIL

SCALE: NTS

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.
9. ANY ADDITIONAL LABOR, MATERIALS, APPURTENANCES, ETC. NEEDED TO RECONSTRUCT THE SIDES, INVERTS AND BOTTOMS OF EXISTING PIPES 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.

NO.	REVISION	DATE	BY
3	REVISED PER DPW COMMENTS	05/12/2025	KB
2	REVISED PER DPW COMMENTS	04/09/2025	KB
1	COORDINATION SET	11/11/2024	KB

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PROGRESS PRINT NOT FOR CONSTRUCTION

Creighton Manning a GAI Company

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

SANITARY CONSTRUCTION DETAILS & NOTES

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

C-2

SHEET NUMBER 2 of 3

CHECKED BY: GREGORY BESWICK

DRAFTED BY: KAMIL BARANIEWICZ

DESIGNED BY: KAMIL BARANIEWICZ

JOB MANAGER: GREGORY BESWICK

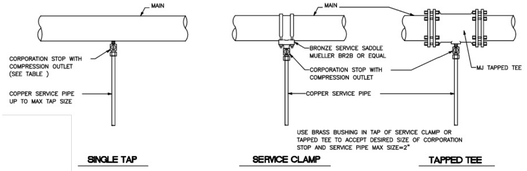
DESIGN SUPERVISOR: D. ADAMS

FILE NAME: N:\Projects\2024\124-208 Thaler Reilly Wilson - Shaker Barn Restroom Addition\Working\CADD\dwg\124-208_DET.dwg
LAST SAVED BY: Kamil A. Baraniewicz
PLOT DATE: May 12, 2025 9:25 AM

TABLE-MAXIMUM TAP SIZE

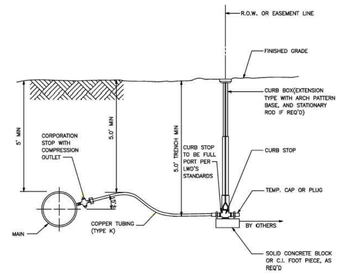
MAIN SIZE-INCHES	6	8	12 & LARGER
MAX TAP SIZE-INCHES	1	1	2

NOTE: TABLE IS BASED ON THREE THREADS IN CONTACT WITH THE PIPE



1 WATER CONNECTION DETAIL

SCALE: NTS

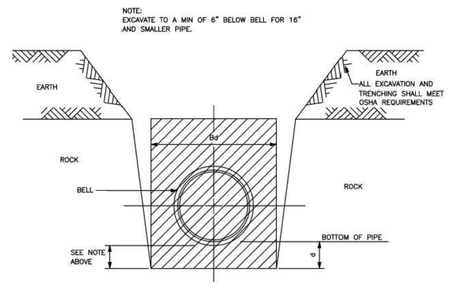


COPPER SERVICE PIPE

SCALE: NONE
FOR SERVICES 2"DIA OR LESS

2 COPPER WATER SERVICE AND CURB BOX DETAIL

SCALE: NTS



TYPICAL TRENCH WITH ROCK EXCAVATION

SCALE: NONE

3 WATER SERVICE TRENCH DETAIL

SCALE: NTS

WATER NOTES:

1. 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.
2. 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.
3. 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.
4. 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.

NO.	REVISION	DATE	BY
3	REVISED PER DPW COMMENTS	05/12/2025	KB
2	REVISED PER DPW COMMENTS	04/09/2025	KB
1	COORDINATION SET	11/11/2024	KB

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Creighton Manning a GAI Company

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

FILE NAME: N:\Projects\2024\124-208 Thaler Reilly Wilson\C-3 Shaker Barn Restroom Addition Water.dwg
LAST SAVED BY: Kamil A. Baraniewicz
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

CONSTRUCTION NOTES:

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.

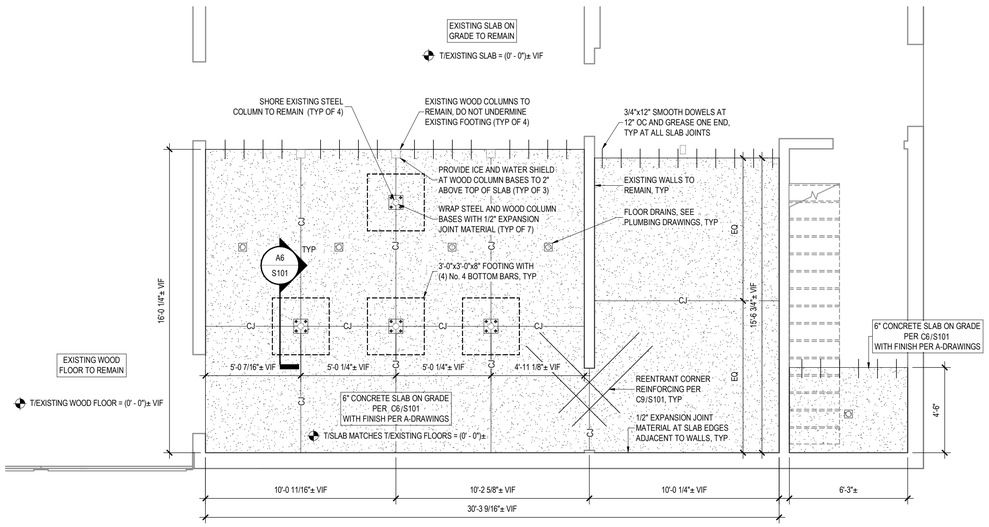
FOUNDATION AND SLAB SUBGRADE PREPARATION NOTES:

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 SOILS.
4. PROOF 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 OBSERVATION 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. REWORK SUBGRADE CONDITIONS THAT ARE ALLOWED TO POOL STANDING WATER, BECOME SATURATED, FREEZE, 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): 3" BOTTOM COVER UNO
2. PLACE ALL FORMWORK AND REINFORCEMENT PER CURRENT EDITION OF ACI 301.
3. TIE ALL REINFORCING SECURELY IN PLACE PRIOR TO CONCRETE POUR. WET SETTING OF DOWELS IS NOT PERMITTED.
4. FOLLOW THE RECOMMENDATIONS OF ACI 305R DURING HOT WEATHER PLACEMENT
5. FOLLOW THE RECOMMENDATIONS OF ACI 306R DURING COLD WEATHER PLACEMENT.
6. CONSOLIDATE ALL CONCRETE WITH A VIBRATOR PER ACI RECOMMENDATIONS, INCLUDING SLABS.
7. PROVIDE SLAB-ON-GRADE CRACK CONTROL JOINTS AT LOCATIONS SHOWN ON 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 AS SOON AS CONCRETE MAY BE CUT WITHOUT DISLODGING AGGREGATE, BUT NOT LATER THAN 4 HOURS AFTER PLACEMENT FINAL 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-FRAME 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



SLAB PLAN NOTES

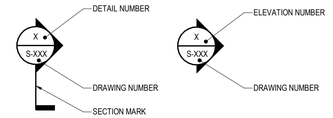
1. PROJECT REFERENCE ELEVATION = 0'-0" AT TOP OF EXISTING WOOD FLOOR AND CONCRETE SLAB.
2. SEE DETAIL S-101 FOR CONCRETE SLAB-ON-GRADE AND CONTROL JOINT DETAILS.
3. SEE S-101 FOR ADDITIONAL FOUNDATION, EXCAVATION, AND GENERAL NOTES.

A1	FIRST FLOOR SLAB PLAN
	SCALE: 1/4" = 1'-0"

PLAN NORTH

STRUCTURAL DRAWING LEGEND

NUMBER	TITLE
REF:	SCALE



STRUCTURAL DRAWING ABBREVIATIONS

ADD	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATE
B/FTG	BOTTOM OF FOOTING
BLDG	BUILDING
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
CANT	CANTILEVER
CFMF	COLD FORMED METAL FRAMING
CJ	SAWCUT SLAB CONTROL JOINTS
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DO	DITTO
DWG	DRAWING
EA	EACH
EL	ELEVATION
EMBD	EMBED, EMBEDMENT
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE

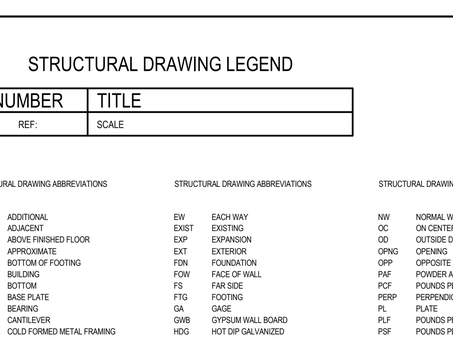
STRUCTURAL DRAWING ABBREVIATIONS

EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FOW	FACE OF WALL
FS	FAR SIDE
FTG	FOOTING
GA	GAGE
GWB	GYPSUM WALL BOARD
HDG	HOT DIP 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
LW	LIGHT WEIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
No.	NUMBER
NTS	NOT TO SCALE

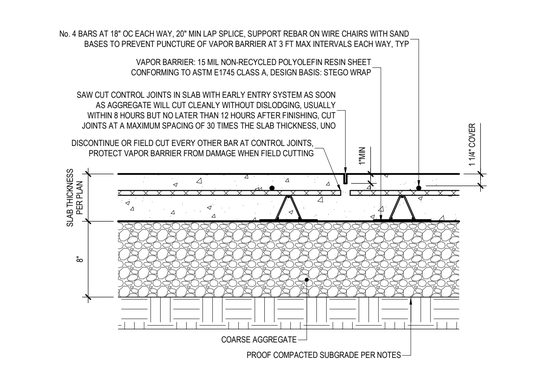
STRUCTURAL DRAWING ABBREVIATIONS

NW	NORMAL WEIGHT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
PAF	POWDER 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	PRESSURE 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
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
WCJ	WALL CONTROL JOINT
WWR	WELDED WIRE REINFORCEMENT

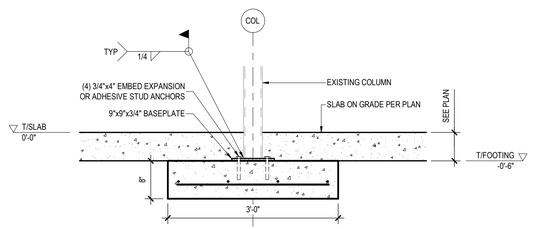
- CAST-IN-PLACE CONCRETE
- EXISTING CONCRETE
- EXISTING SUBGRADE, EARTH
- GENERAL
- GRAVEL BACKFILL, CMU GROUT
- LOAD-BEARING MASONRY
- MASONRY VENEER, MASONRY PARTITIONS
- NON-SHRINK GROUT, DEPRESSED TOP OF FOUNDATION WALL
- PLYWOOD
- OSB - ORIENTED STRAND BOARD
- RIGID INSULATION
- STEEL
- SUBBASE
- TOP SOIL, LOAM
- WASHED STONE



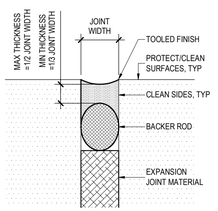
C6	SLAB ON GRADE DETAIL
	SCALE: 1 1/2" = 1'-0"



C9	SLAB REENTRANT CORNER REINF
	SCALE: 3/4" = 1'-0"



A6	INTERIOR FOOTING DETAIL
REF: A1 / S101	SCALE: 3/4" = 1'-0"



A9	SLAB SEALANT JOINT DETAIL
	SCALE: 12" = 1'-0"

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Albany, NY 12210
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ltrw-arch.com

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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

REVISIONS

PROJECT NUMBER
21-001

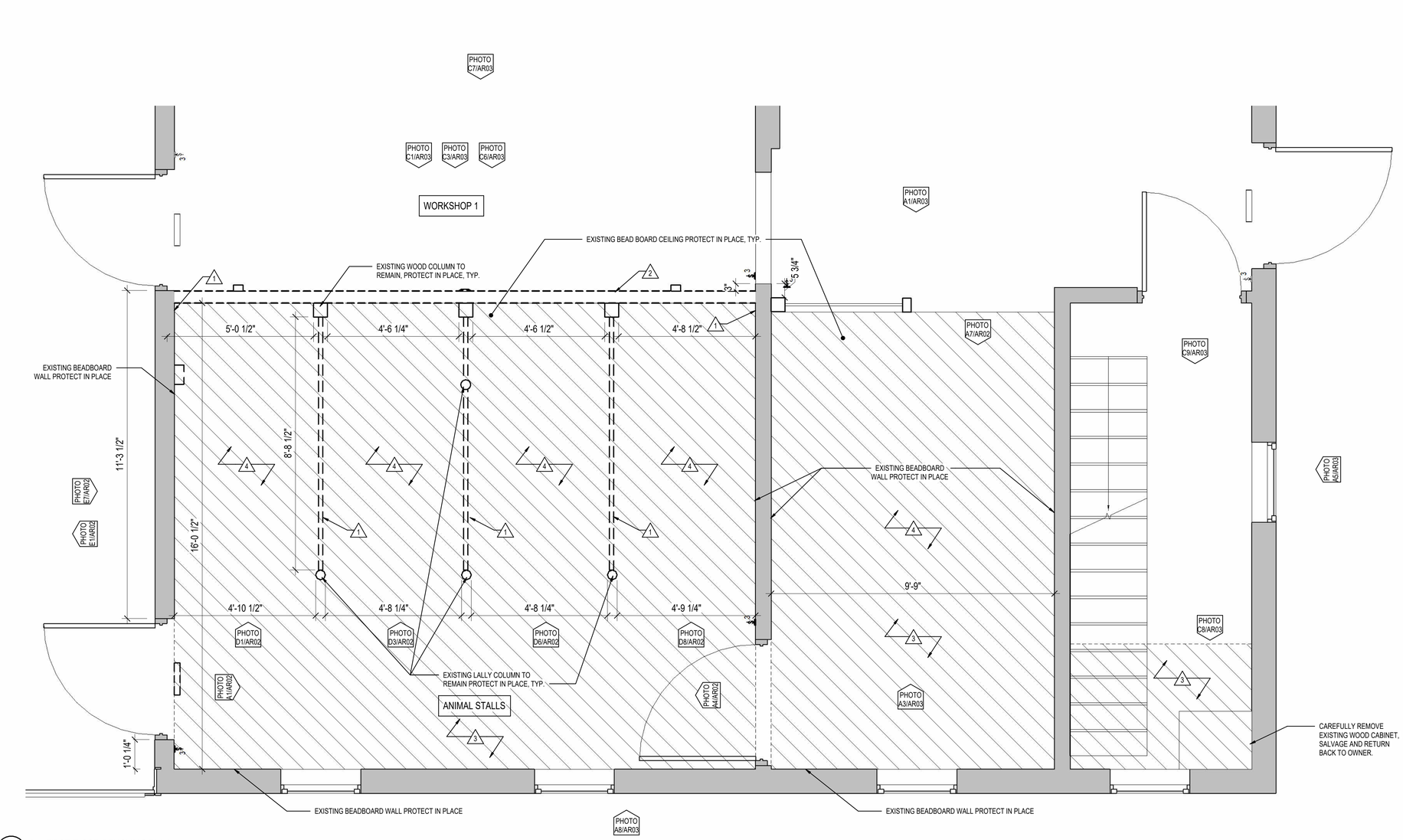
DATE
MARCH 18, 2025

DRAWN BY
PS

BID DOCUMENTS

S101

5/20/2025 11:50:29 AM



B1 / AR01 01 - FIRST FLOOR REMOVALS PLAN
1/2" = 1'-0"

N

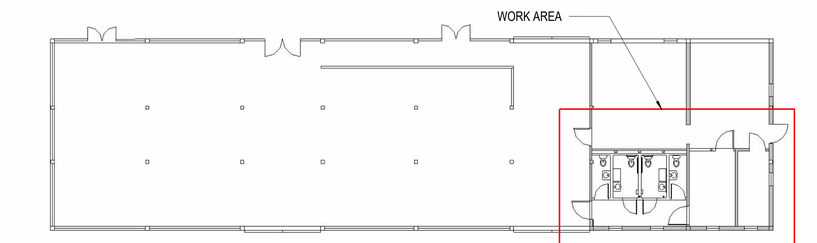
0' 1/2" 1' 2' 4'

REMOVAL KEY NOTES:

1. REMOVE EXISTING WOOD BOARD AND METAL ANIMAL STALLS COMPLETELY
2. REMOVE WOOD PARTITION WALL AND WINDOW BETWEEN THE ANIMAL STALLS AND WORKSHOP COMPLETELY
3. REMOVE EXISTING CONCRETE SLAB. APPROXIMATELY 510 SQ FT
4. REMOVE EXISTING WOOD FLOOR APPROXIMATELY 380 SQ FT

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.



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

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SHAKER BARN RESTROOM

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

REVISIONS

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

BID DOCUMENTS

AR01

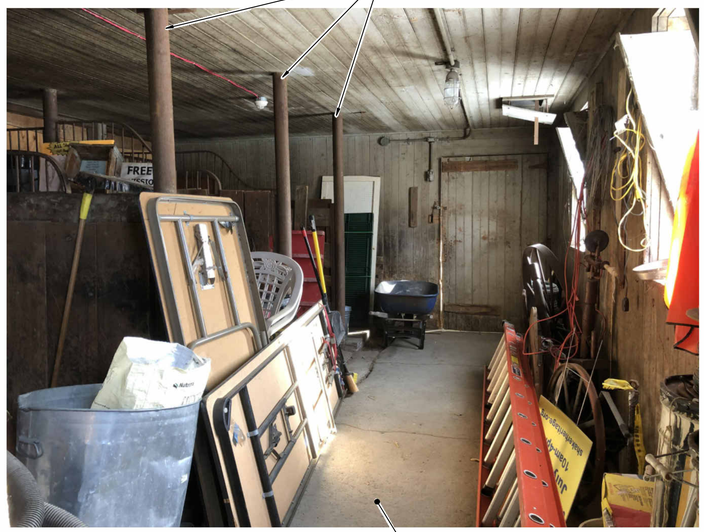
5/22/2025 2:54:48 PM

D1 AR02 PHOTO 1A

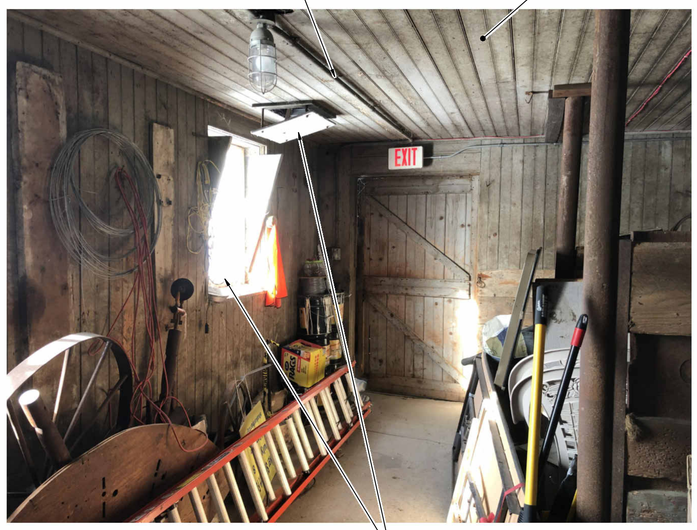
D3 AR02 PHOTO 1B

D6 AR02 PHOTO 1C

D8 AR02 PHOTO 1D



A1 AR02 PHOTO 1E



A4 AR02 PHOTO 1F

A7 AR02 PHOTO 1G

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SHAKER BARN RESTROOM

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

PHOTOS OF EXISTING CONDITIONS

REVISIONS

PROJECT NUMBER
21-001

DATE
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AR02

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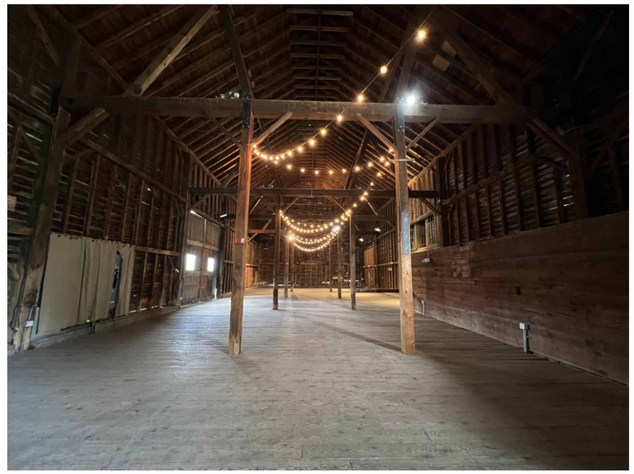


E1 AR03 PHOTO 2A

E4 AR03 PHOTO 2B

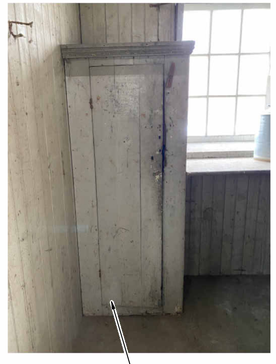
E7 AR03 PHOTO 2C

C1 AR03 PHOTO 2D

C3 AR03 PHOTO 2E

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

C6 AR03 PHOTO 2F



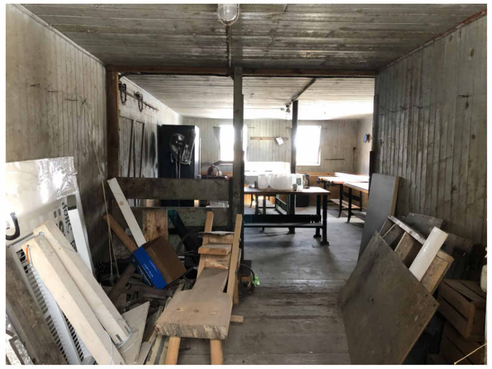
C8 AR03 PHOTO 2G

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

C9 AR03 PHOTO 2H

STAIR TO LOFT

A1 AR03 PHOTO 2I



A3 AR03 PHOTO 2J

A5 AR03 PHOTO 2K

A8 AR03 PHOTO 2L

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SHAKER BARN RESTROOM

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

PHOTOS OF EXISTING CONDITIONS

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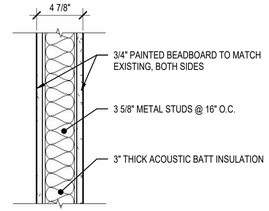
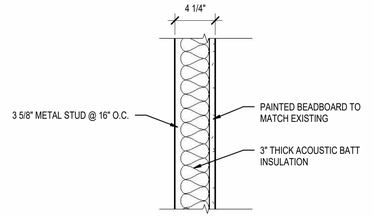
NOTES: ALL WALL TYPES ARE NOT FIRE-RATED UNLESS NOTED OTHERWISE.



M30

E1 / A010 METAL STUD PARTITION TYPES
1 1/2" = 1'-0"



F30

E7 / A010 FURRED WALL TYPES
1 1/2" = 1'-0"

D6 / AR03 PHOTO OF EXISTING BEADBOARD

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SHAKER BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
TYPICAL WALL ASSEMBLIES

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A010

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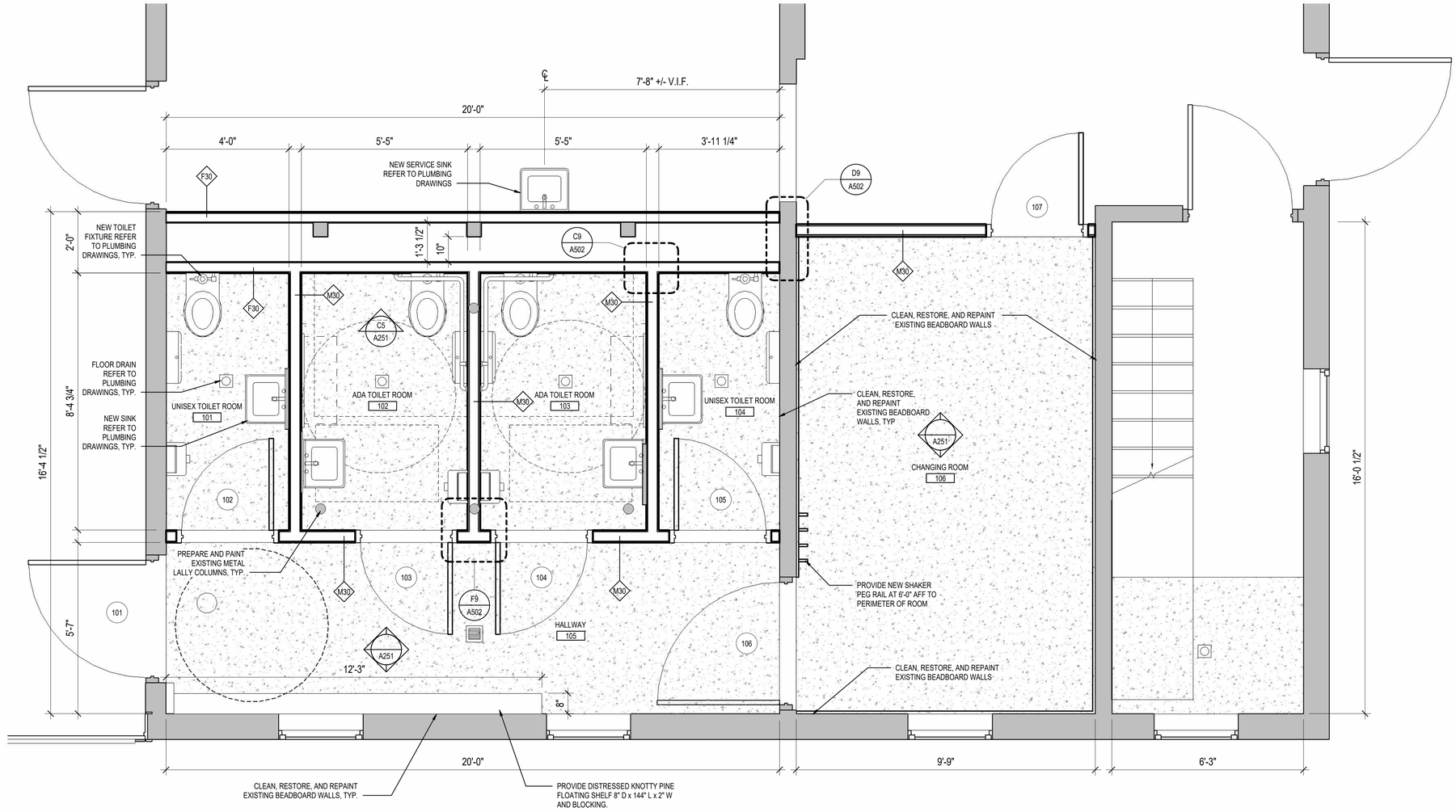
PROVIDE INFILL FLOOR SLAB WITH SMOOTH POLISHED CONCRETE FINISH

GENERAL NOTES:

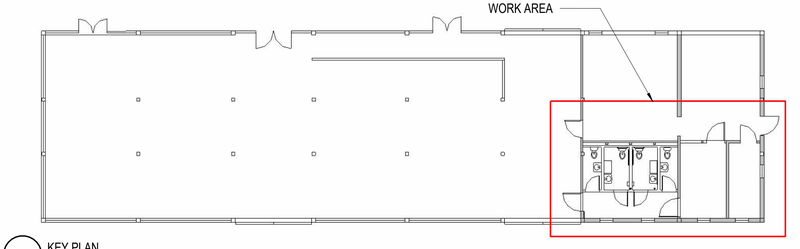
REFER TO A252 TOILET ROOM ACCESSORY PLAN FOR TOILET ACCESSORIES.



N

0' 1/2' 1' 2' 4'

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



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

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SHAKER BARN RESTROOM

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

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A101

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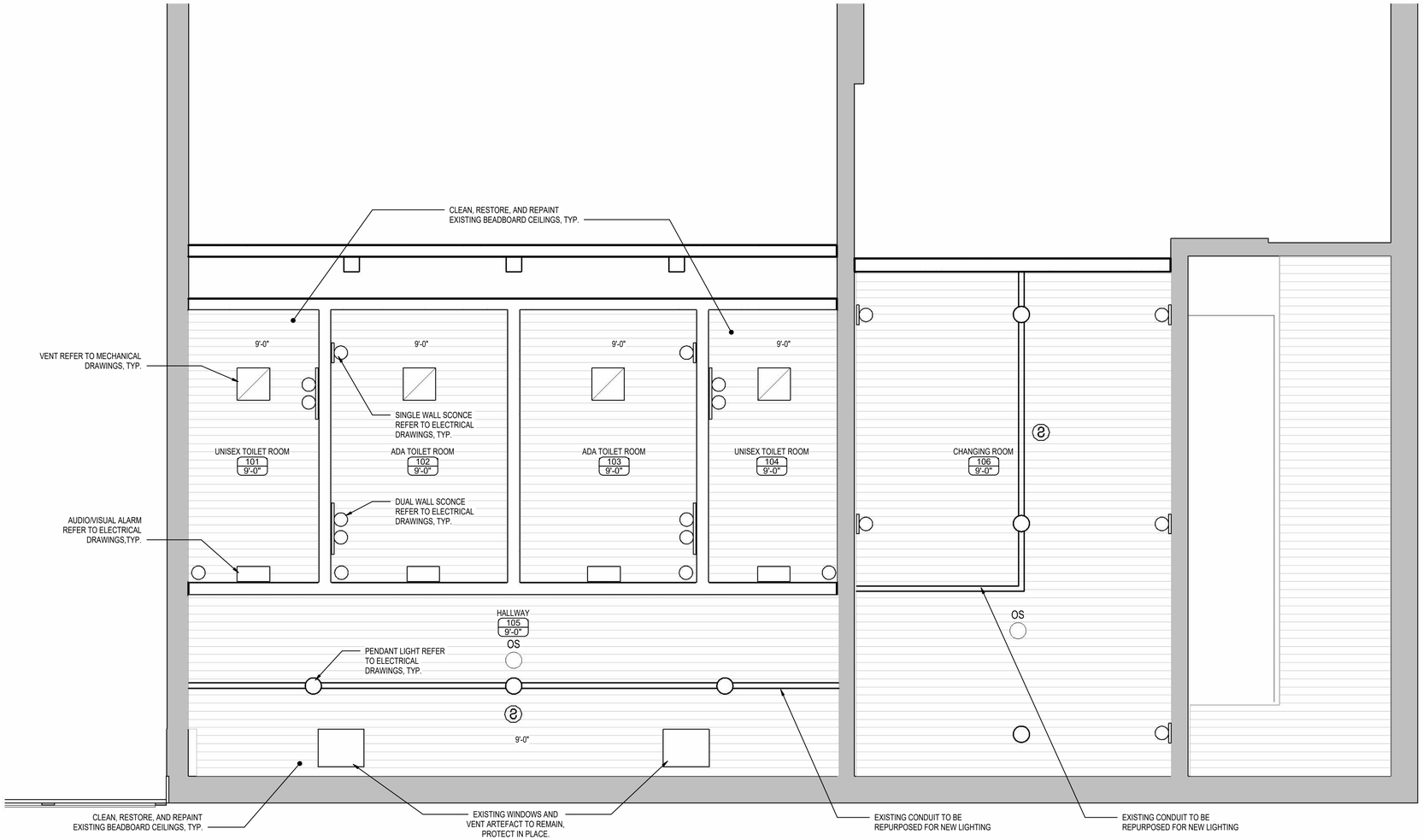


B1 / A151 FIRST FLOOR REFLECTED CEILING PLAN
1/2" = 1'-0"

CEILING LEGEND

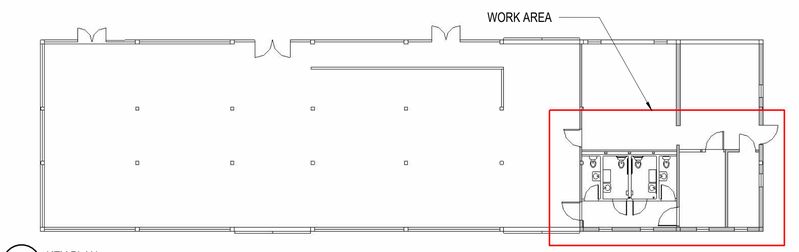
- EXISTING BEADBOARD CEILING
- EXHAUST DIFFUSER (REFER TO MECHANICAL DRAWINGS)
- OS — OCCUPANCY SENSOR (REFER TO ELECTRICAL DRAWINGS)
- XX / 8'-0" — CEILING TAG
- S — SMOKE DETECTOR (REFER TO ELECTRICAL DRAWINGS)

GENERAL CEILING NOTES

1. REFER TO MECHANICAL PACKAGE FOR MECHANICAL DETAILS
2. REFER TO ELECTRICAL PACKAGE FOR LIGHTING DETAILS

N

0' 1/2' 1' 2' 4'



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

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SHAKER BARN RESTROOM

SHAKER HERITAGE SOCIETY OF ALBANY
25 MEETING HOUSE ROAD, ALBANY, NY
REFLECTED CEILING PLAN

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A151

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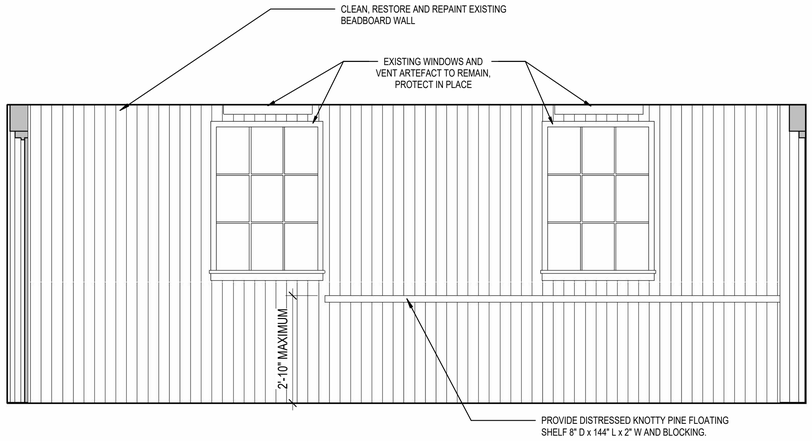
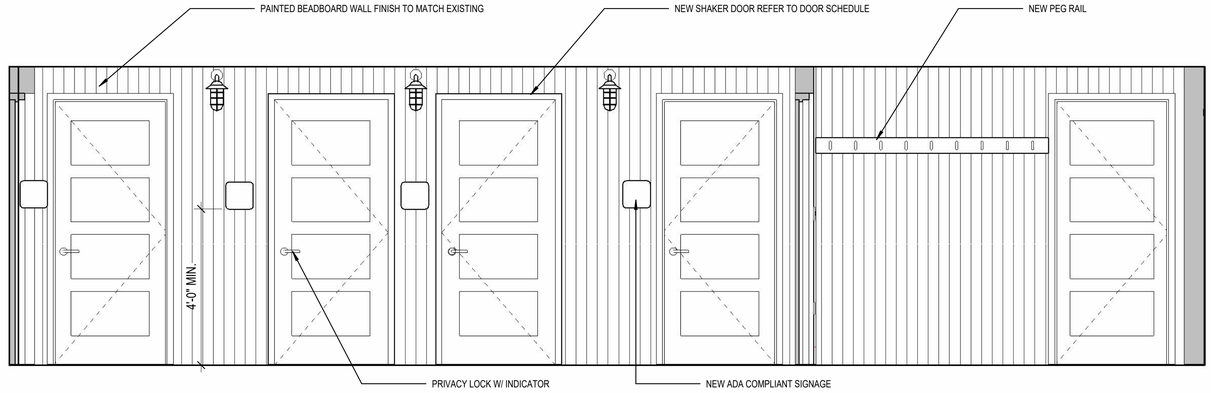
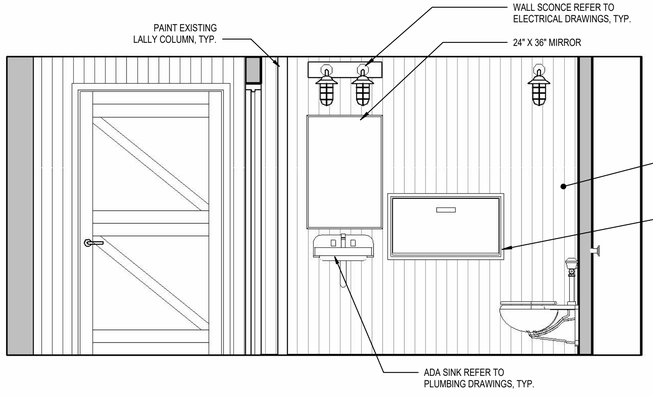


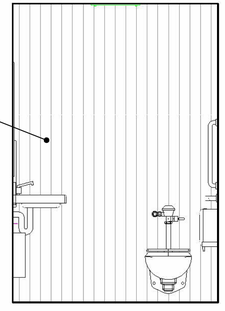
E1 / A251 Elevation 1 - c
1/2" = 1'-0"



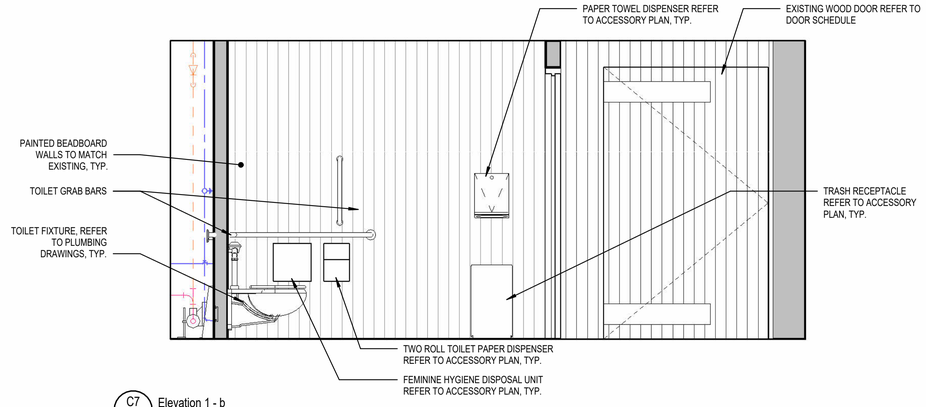
E5 / A251 Elevation 1 - a
1/2" = 1'-0"



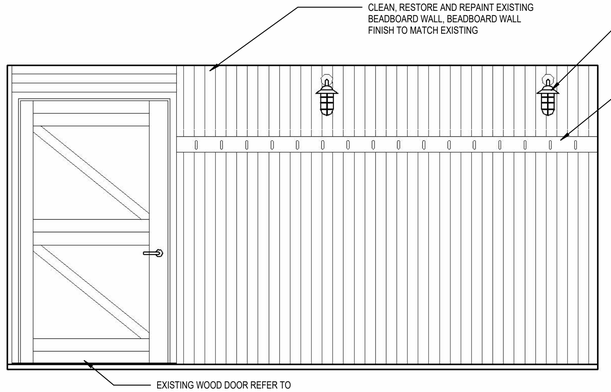
C1 / A251 Elevation 1 - d
1/2" = 1'-0"



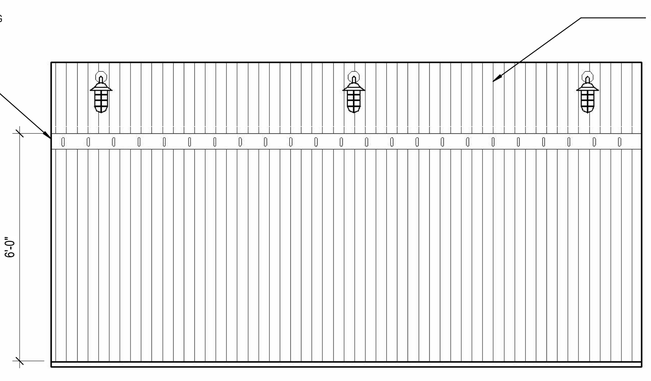
C5 / A251 Elevation 2 - a
1/2" = 1'-0"



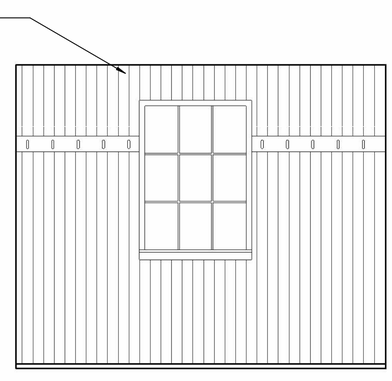
C7 / A251 Elevation 1 - b
1/2" = 1'-0"



A1 / A251 Elevation 3 - a
1/2" = 1'-0"



A4 / A251 Elevation 2 - c
1/2" = 1'-0"



A8 / A251 Elevation 2 - d
1/2" = 1'-0"

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SHAKER BARN RESTROOM

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

INTERIOR ELEVATIONS

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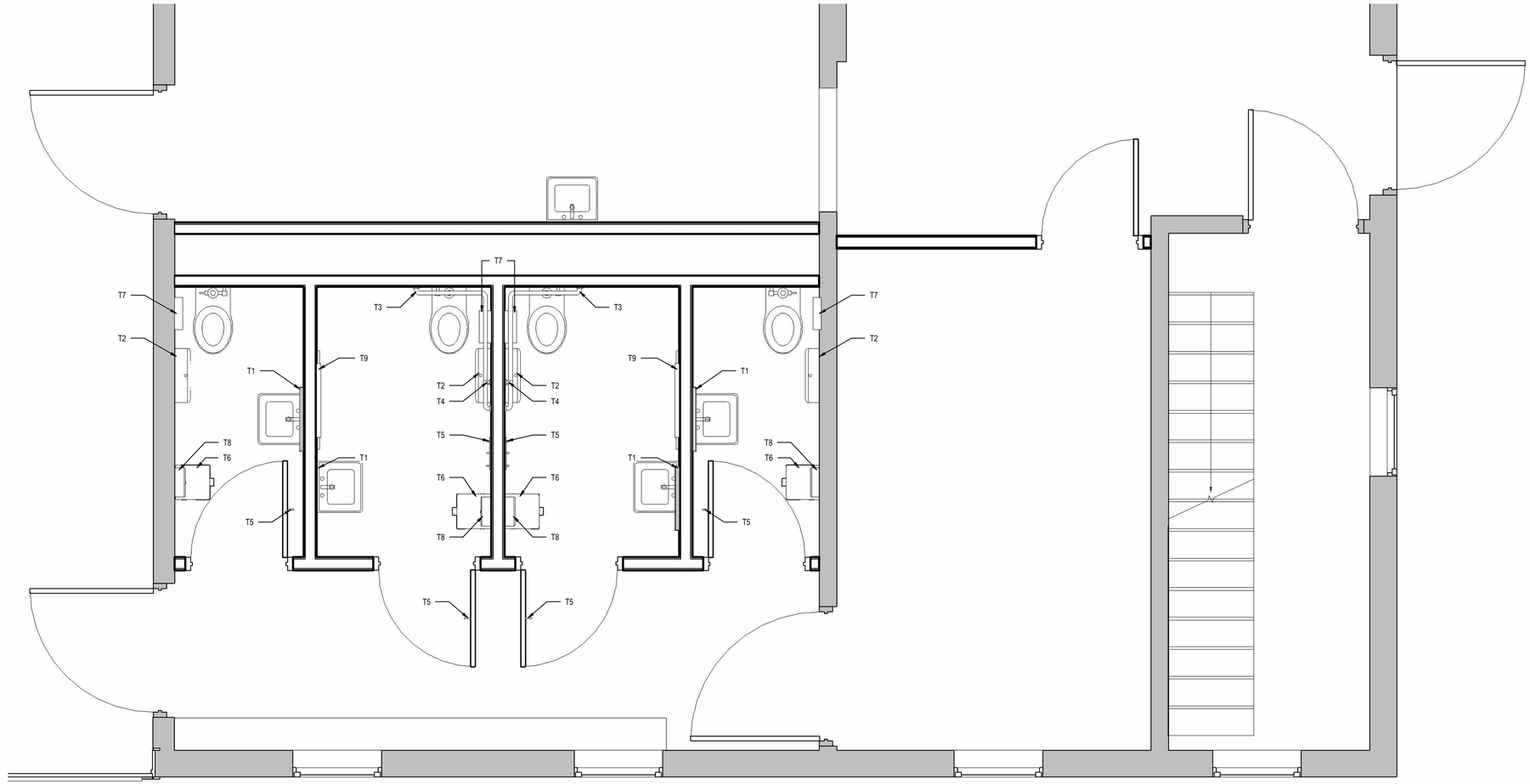
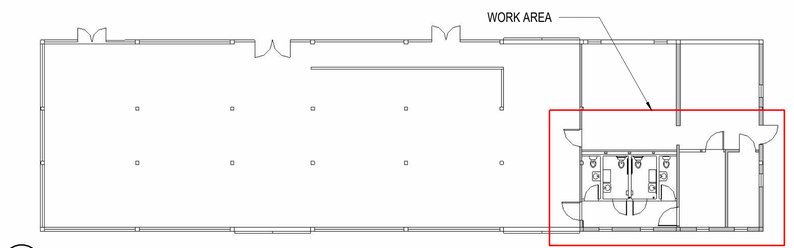


B1 / A252 BATHROOM ACCESSORY PLAN
1/2" = 1'-0"

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

N

0' 1/2' 1' 2' 4'



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

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SHAKER BARN RESTROOM

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

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A252

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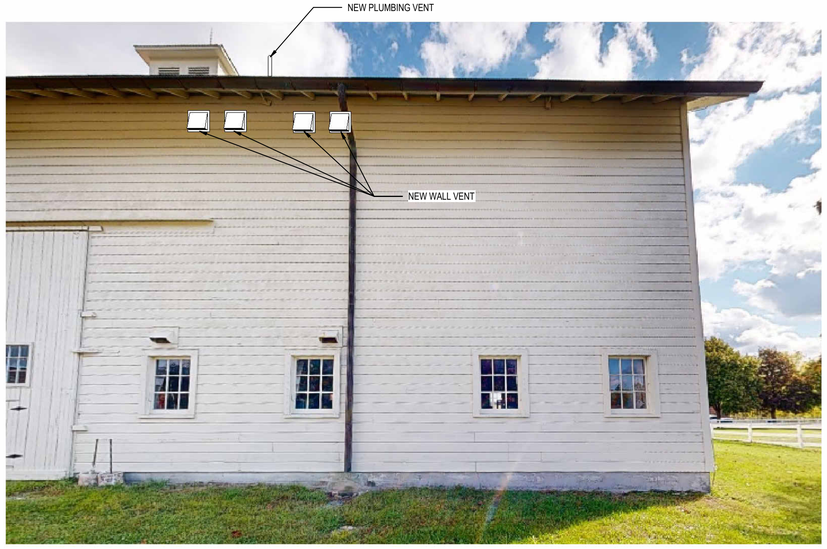
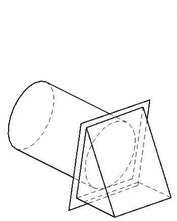
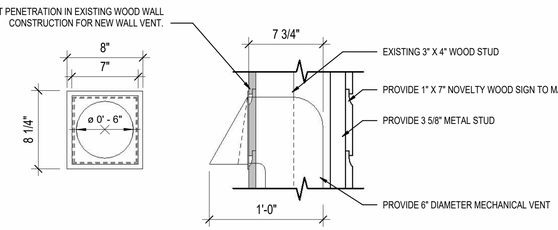
E1 A502 INTERIOR VIEW 1
1/8" = 1'-0"

E4 A502 INTERIOR VIEW 2
1/8" = 1'-0"

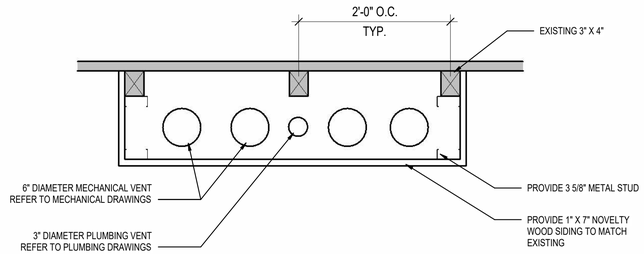


B1 A502 EXTERIOR ELEVATION 1
1/8" = 1'-0"

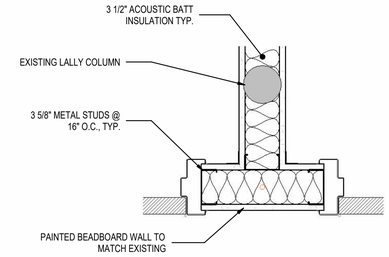




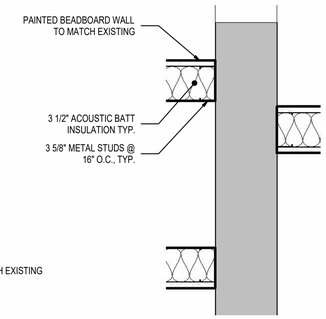
C5 A502 WALL VENT
1 1/2" = 1'-0"



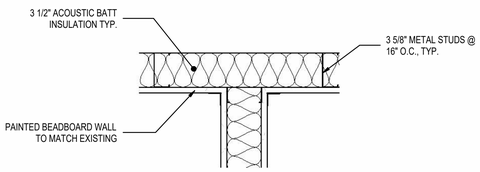
B5 A502 VENT ENCLOSURE PLAN
1" = 1'-0"



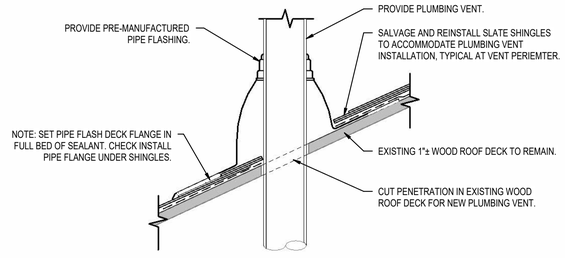
F9 A502 ENLARGED DETAIL 3
1 1/2" = 1'-0"



D9 A502 ENLARGED DETAIL 2
1 1/2" = 1'-0"



C9 A502 ENLARGED DETAIL 4
1 1/2" = 1'-0"



A8 A502 VENT PIPE DETAIL
1 1/2" = 1'-0"

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

REVISIONS

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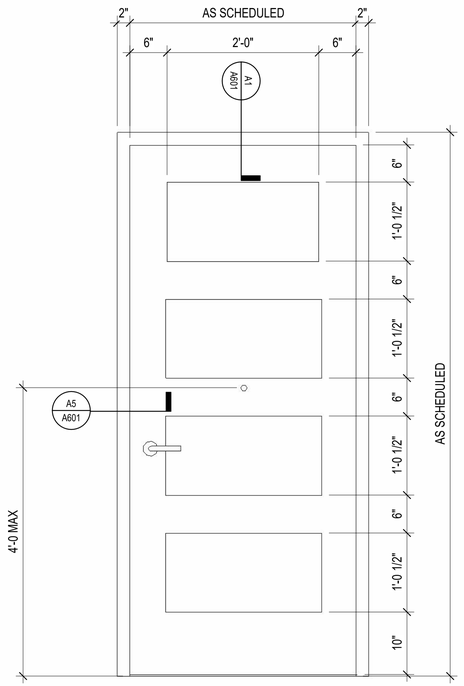
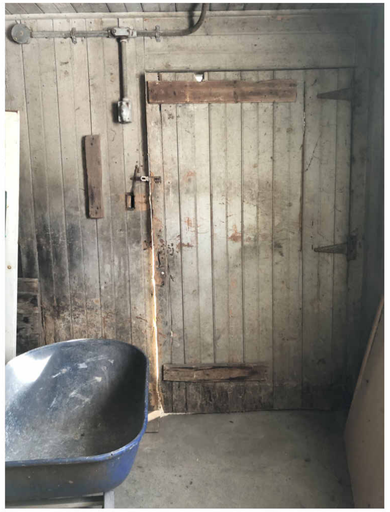


D1 A601 DOOR TYPE A, FRAME TYPE 1
1" = 1'-0"



E3 A601 PHOTO - DOOR TYPE C

E5 A601 PHOTO - DOOR TYPE C

E7 A601 PHOTO - DOOR TYPE B

E9 A601 PHOTO - DOOR TYPE B

DOOR SCHEDULE

DOOR NUMBER	ROOM NUMBER	ROOM	DOOR						HDWD 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	45H0L 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

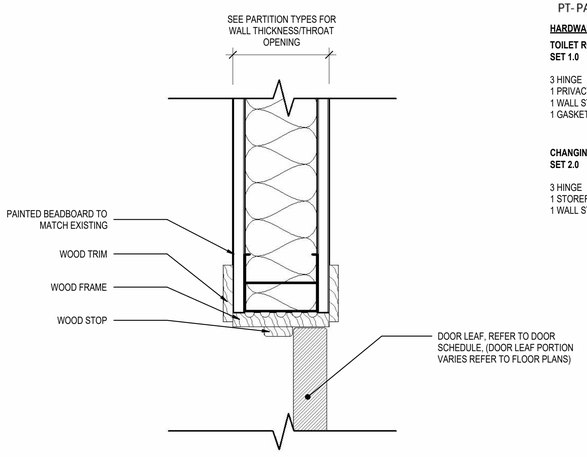
EXISTING WOOD DOOR CHANGING
SET 4.0

EX. HINGE	EXISTING		
1 DOOR PULL	RM4800	10BE	RW
1 DOOR LATCH	90 DEGREE BARN	SS	WANLIAN

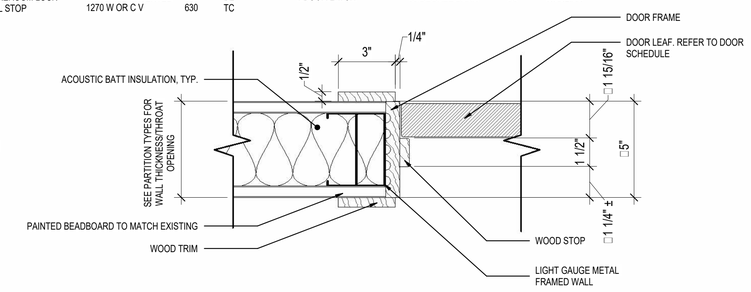
RESTORATION NOTES

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



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



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

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SHAKER BARN RESTROOM

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

DOOR SCHEDULE

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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		
AFG	ABOVE FINISHED GRADE	IBC	INTERNATIONAL BUILDING CODE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	ID	INSIDE DIAMETER
AGA	AMERICAN GAS ASSOCIATION	IFGC	INTERNATIONAL FUEL GAS CODE
AHJ	AUTHORITY HAVING JURISDICTION	IN	INCHES
AHU	AIR HANDLING UNIT	IN WC	INCHES WATER COLUMN
AMB	AMBIENT	INV	INVERT
AMP	AMPERES	IN WG	INCHES WATER GAGE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	IPC	INTERNATIONAL PLUMBING CODE
APD	AIR PRESSURE DROP	IW	INDIRECT WASTE
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR-CONDITIONING ENGINEERS	JC	JANITORS CLOSET
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	JS	JANITORS SINK
AST	ABOVE GROUND STORAGE TANK		
ATC	AUTOMATIC TEMPERATURE CONTROL	KW	KILOWATT
ATCC	AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR	KWH	KILOWATT HOUR
AVG	AVERAGE		
AWG	AMERICAN WIRE GAGE	LxWxD	LENGTH x WIDTH x DEPTH
AWT	AVERAGE WATER TEMPERATURE	LAT	LEAVING AIR TEMPERATURE
AWWA	AMERICAN WATER WORKS ASSOCIATION	L	LAVATORY
		LAV	LAVATORY
BAS	BUILDING AUTOMATION SYSTEM	LBS	POUNDS
BF	BLIND FLANGE	LF	LINEAR FEET
BFF	BELOW FINISH FLOOR	LD	LINEAR DIFFUSER
BS	BIRDSCREEN	LPG	LIQUID PROPANE GAS
BDD	BACKDRAFT DAMPER	LRA	LOCKED ROTOR AMPERES
BT	BATHTUB	LWT	LEAVING WATER TEMPERATURE
BTU	BRITISH THERMAL UNIT		
BTUH	BRITISH THERMAL UNITS PER HOUR	M/A	MIXED AIR
BHP	BRAKE HORSEPOWER	MAX	MAXIMUM
		MBH	1,000 BTUH
CA	COMMISSIONING AGENT OR AUTHORITY	MMBH	1,000,000 BTUH
CCO	CEILING CLEANOUT	MC	MECHANICAL CONTRACTOR
CFM	CUBIC FEET PER MINUTE	MFR	MANUFACTURER
CI	CAST IRON	MIN	MINIMUM
CLG	CEILING	MR	MOP RECEPTOR
CO	CLEANOUT	MS	MOP SINK
CONN	CONNECTION	MTD	MOUNTED
CONT	CONTINUATION		
COP	COEFFICIENT OF PERFORMANCE	N/A	NOT APPLICABLE
CPVC	CHLOROL POLYVINYL CHLORIDE	NC	NORMALLY CLOSED
CU	CONDENSING UNIT	NEC	NATIONAL ELECTRIC CODE
CU FT	CUBIC FEET	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CU IN	CUBIC INCH	NIC	NOT IN CONTRACT
CW	COLD WATER	NG	NATURAL GAS
		NO	NORMALLY OPEN
°C	DEGREES CELSIUS	NP	NON-POTABLE
°F	DEGREES FAHRENHEIT	NTS	NOT TO SCALE
ø	DIAMETER		
D	DRYER, APPLIANCE	O/A	OUTSIDE AIR
DB	DRY BULB	OD	OUTSIDE DIAMETER
DBP	DOMESTIC BOOSTER PUMP	OD	OVERFLOW DRAIN
DEMO	DEMOLITION	OED	OPEN END DUCT
DF	DRINKING FOUNTAIN	OZ	OUNCE
DHRP	DOMESTIC HOT WATER RETURN PUMP		
DIR	DIRECT	P	PUMP
DN	DOWN	PC	PLUMBING CONTRACTOR
DCW	DOMESTIC COLD WATER	PD	PRESSURE DROP
DCWS	DOMESTIC COLD WATER SYSTEM	PH	PHASE
DHW	DOMESTIC HOT WATER	PPM	PARTS PER MILLION
DHWS	DOMESTIC HOT WATER SYSTEM	PRV	PRESSURE REDUCING VALVE
DHC	DOMESTIC HOT WATER RECIRCULATION	PSI	POUNDS PER SQUARE INCH
DHCS	DOMESTIC HOT WATER RECIRCULATION SYSTEM	PSIG	POUNDS PER SQUARE INCH GAUGE
DP	DOMESTIC PUMP	PT	PRESSURE/TEMPERATURE TEST PORT
DR	DRAIN	PVC	POLYVINYLCHLORIDE
DWG	DRAWING		
DWH	DOMESTIC WATER HEATER	R/A	RETURN AIR
DX	DIRECT EXPANSION	RD	ROOF DRAIN
		REQ'D	REQUIRED
(E)	EXISTING	RH	RELATIVE HUMIDITY
E/A	EXHAUST AIR	RLA	RUNNING LOAD AMPS
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
EC	ELECTRICAL CONTRACTOR	RX	REMOVE EXISTING
EER	ENERGY EFFICIENCY RATIO		
EFF	EFFICIENCY	S	SINK
ELEV	ELEVATION	SATC	SUSPENDED ACOUSTICAL TILE CEILING
ELEV	ELEVATOR	SF	SQUARE FEET
EQUIP	EQUIPMENT	S/FD	SMOKE/FIRE DAMPER
ESP	EXTERNAL STATIC PRESSURE	SH	SHOWER
ETR	EXISTING TO REMAIN	SI	SOLIDS INTERCEPTOR
EWC	ELECTRIC WATER COOLER	SK	SINK
EWH	ELECTRIC WATER HEATER	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
EWT	ENTERING WATER TEMPERATURE		
EXT. F&B	EXTERNAL FACE & BYPASS	SSK	SERVICE SINK
EXP	EXPANSION	SST	STAINLESS STEEL
		SP	STATIC PRESSURE
FA	FREE AREA		
FAS	FIRE ALARM SYSTEM	T	TEMPERATURE
FC	FLEXIBLE CONNECTION	TBR	TO BE REMOVED
FCO	FLOOR CLEANOUT	TCC	TEMPERATURE CONTROL CONTRACTOR
FD	FLOOR DRAIN OR FIRE DAMPER	TD	TRENCH DRAIN
FLA	FULL LOAD AMPERES	THA	TOTAL HEAT ADDED
FLR	FLOOR	TP	TEST PORT
FMS	FACILITY MANAGEMENT SYSTEM	TSP	TOTAL STATIC PRESSURE
FOS	FUEL OIL SUPPLY	TSTAT	THERMOSTAT
FOR	FUEL OIL RETURN	TT	TEMPERATURE TRANSMITTER
FPC	FIRE PROTECTION CONTRACTOR	TYP	TYPICAL
FPI	FINS PER INCH		
FPM	FEET PER MINUTE	UNO	UNLESS NOTED OTHERWISE
FPS	FEET PER SECOND	UST	UNDERGROUND STORAGE TANK
FPS	FIRE PROTECTION SYSTEM	UR	URINAL
FS	FLOOR SINK		
FT	FEET OR FOOT	V	VENT
FT LB	FOOT POUND	VAC	VACUUM
		VAV	VARIABLE AIR VOLUME
GA	GAUGE	VBF	VENT BELOW FLOOR
GAL	GALLONS	VRV	VARIABLE REFRIGERANT VOLUME
GALV	GALVANIZED	VTR	VENT THROUGH ROOF
GC	GENERAL CONTRACTOR		
GCO	GRADE CLEANOUT	W	WASHER, APPLIANCE OR WASTE
GI	GREASE INTERCEPTOR	WB	WET BULB
GPH	GALLONS PER HOUR	WC	WATER CLOSET
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
GWH	GAS WATER HEATER	WH	WALL HYDRANT
		WHA	WATER HAMMER ARRESTOR
H	HUMIDITY	WPD	WATER PRESSURE DROP
HB	HOSE BIBB		
HC	HEATING CONTRACTOR	YCO	YARD CLEANOUT
HD	HEAD	YD	YARD DRAIN
HGT	HEIGHT	YH	YARD HYDRANT
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
- D — DISCONNECT EXISTING
- P — CONNECT TO EXISTING
- FLOW ARROW
- 1 / A101 — DETAIL NUMBER, REFERENCE DRAWING — DETAIL DESIGNATION
- DIRECTION INDICATOR, 1 / A101 — DETAIL NUMBER, REFERENCE DRAWING — 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

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SHAKER BARN RESTROOM

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

PLUMBING SYMBOLS, NOTES & ABBREVIATIONS

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

DRAWN BY
CSH

BID DOCUMENTS

P-000

3/13/2025 11:21:34 AM

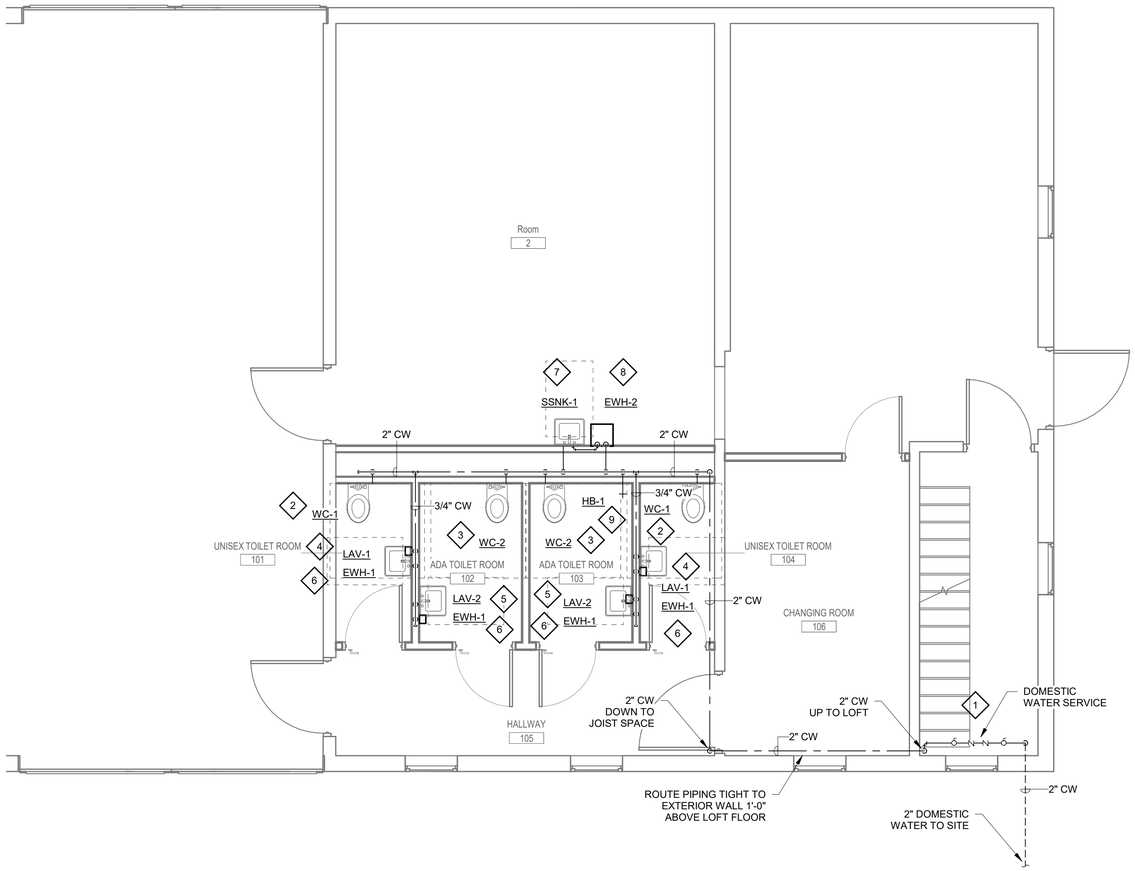
KEY NOTES:

1. PROVIDE DOMESTIC WATER SERVICE AND ASSOCIATED ACCESSORIES. REFER TO DETAIL 1 ON DWG. P-500.
2. PROVIDE WALL MOUNTED WATER CLOSET WC-1 AND ASSOCIATED ACCESSORIES. PROVIDE 1-1/4" CW PIPING TO WC-1.
3. PROVIDE WALL MOUNTED WATER CLOSET WC-2 AND ASSOCIATED ACCESSORIES. PROVIDE 1-1/4" CW PIPING TO WC-2.
4. PROVIDE WALL MOUNTED LAVATORY LAV-1 AND ASSOCIATED ACCESSORIES. PROVIDE 1/2" CW AND HW PIPING TO LAV-1. REFER TO DETAIL 4 ON DWG. P-500.
5. PROVIDE WALL MOUNTED LAVATORY LAV-2 AND ASSOCIATED ACCESSORIES. PROVIDE 1/2" CW AND HW PIPING TO LAV-2. REFER TO DETAIL 4 ON DWG. P-500.
6. PROVIDE WALL MOUNTED POINT OF USE ELECTRIC WATER HEATER EWH-1 AND ASSOCIATED ACCESSORIES. PROVIDE 1/2" CW PIPING TO EWH-1. PROVIDE 1/2" HW PIPING FROM EWH-1 TO LAVATORY. REFER TO DETAIL 4 ON DWG. P-500. MOUNT EWH-1 BELOW LAVATORY. COORDINATE WITH ELECTRICAL TRADE.
7. PROVIDE SERVICE SINK SSNK-1 AND ASSOCIATED ACCESSORIES. PROVIDE 1/2" CW AND HW PIPING TO SSNK-1.
8. PROVIDE WALL MOUNTED POINT OF USE ELECTRIC TANK WATER HEATER EWH-2 AND ASSOCIATED ACCESSORIES. PROVIDE 1/2" CW PIPING TO EWH-2. PROVIDE 1/2" HW PIPING FROM EWH-2 TO SSNK-1. MOUNT EWH-2 6" ABOVE FINISHED FLOOR. COORDINATE WITH ELECTRICAL TRADE.
9. PROVIDE HOSE BIBB HB-1 AND ASSOCIATED ACCESSORIES. MOUNT HB-1 6" ABOVE FINISHED FLOOR. PROVIDE 1/2" CW PIPING TO HB-1. PIPING TO HB-1 TO COME OFF OF BOTTOM OF 2" CW MAIN IN CHASE TO ALLOW FOR DRAIN DOWN/WINTERIZATION.

GENERAL NOTES:

A. COORDINATE EXACT PIPE ROUTING IN FIELD WITH EXISTING LOFT JOISTS.

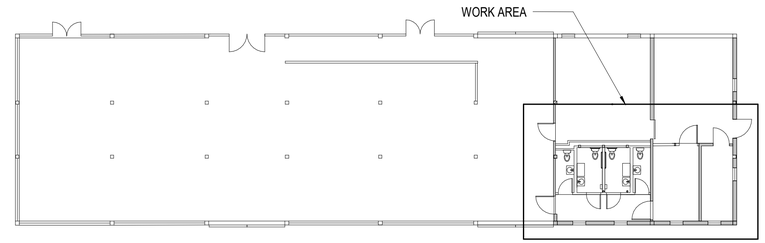
B. PAINT ALL EXPOSED PIPING AND ASSOCIATED ACCESSORIES BLACK. COORDINATE WITH ARCHITECT FOR COLOR AND PAINT SPECIFICATIONS.



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

N

0' 1/2' 1' 2' 4'



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

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PLUMBING DOMESTIC WATER PLAN

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

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P-101

3/13/2025 11:21:35 AM

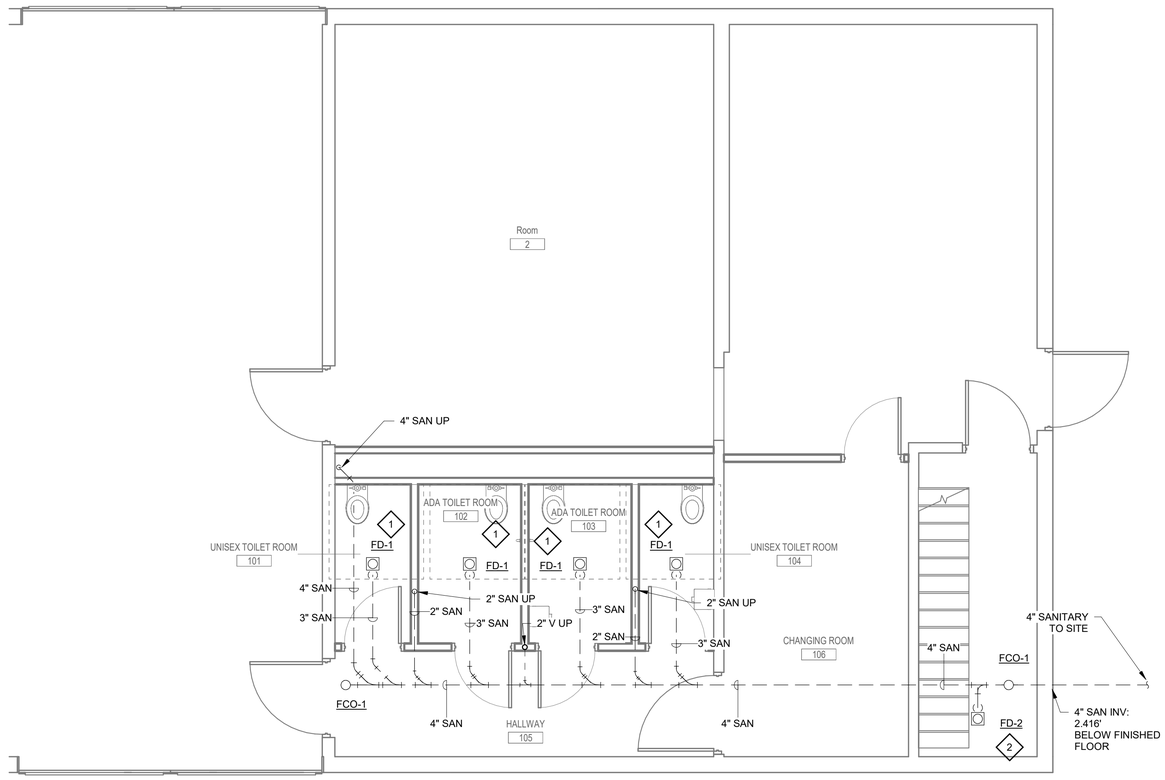
KEY NOTES:

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.

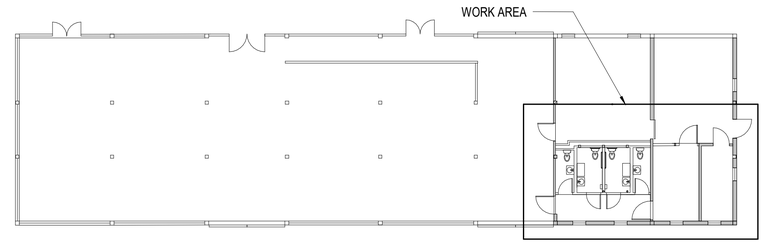
GENERAL NOTES:

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
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25 MEETING HOUSE ROAD, ALBANY, NY

PLUMBING WASTE & VENT BELOW FLOOR PLAN

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

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PS-100

3/13/2025 11:21:36 AM

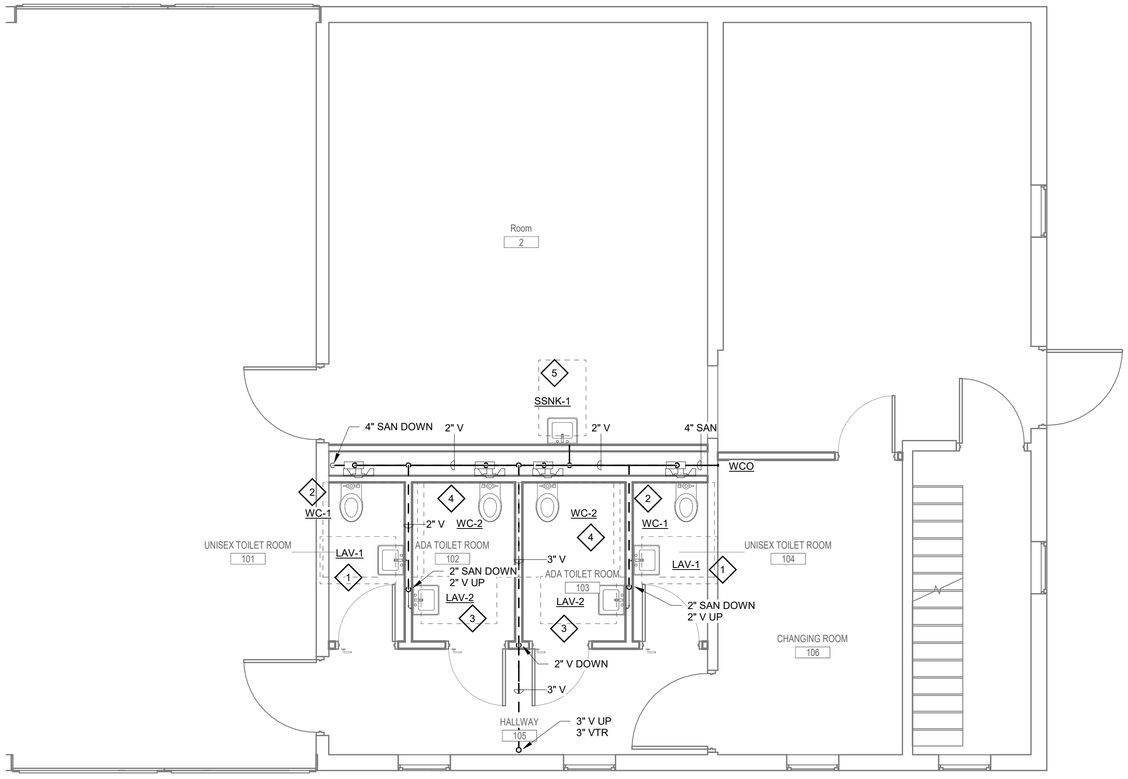
KEY NOTES:

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.

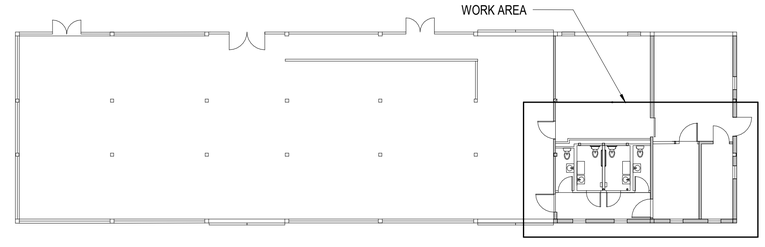
GENERAL NOTES:

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.



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



KEY PLAN
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PLUMBING WASTE & VENT ABOVE FLOOR PLAN

REVISIONS

PROJECT NUMBER
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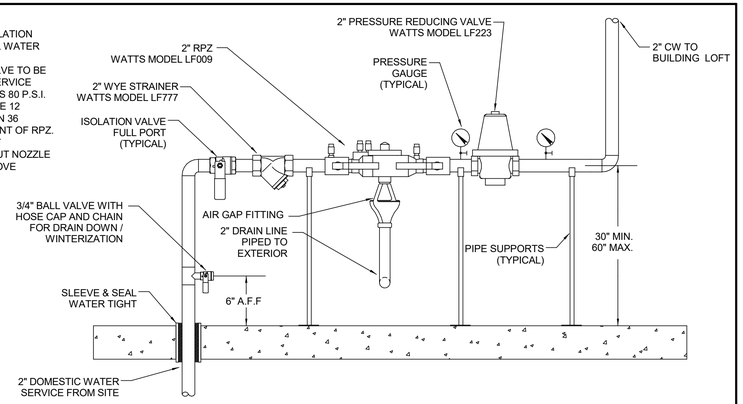
BID DOCUMENTS

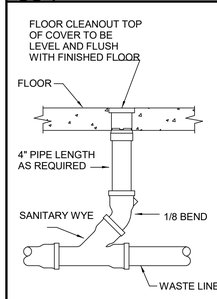
PS-101

3/13/2025 11:21:37 AM

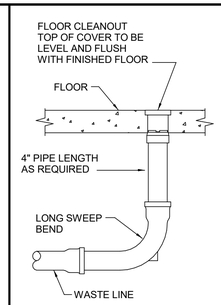
NOTES:
1. METER & SERVICE INSTALLATION SHALL COMPLY WITH LOCAL WATER UTILITYU REQUIREMENTS.
2. PRESSURE REDUCING VALVE TO BE INSTALLED ONLY WHERE SERVICE WATER PRESSURE EXCEEDS 80 P.S.I.
3. CENTER LINE OF RPZ TO BE 12 INCHES OFF WALL. MAINTAIN 36 INCHES CLEARANCE IN FRONT OF RPZ.
4. TERMINATE DRAIN PIPE AT EXTERIOR WITH DOWNSPOUT NOZZLE DN-1. INSTALL DN-1 2'-0" ABOVE EXTERIOR GRADE.



1 / P500 DOMESTIC WATER SERVICE DETAIL — NOT TO SCALE

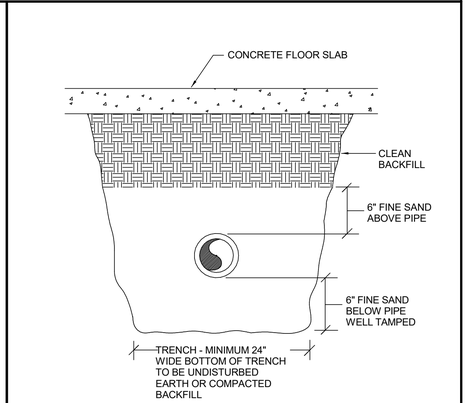


USE A SANITARY WYE & 1/8 BEND WHERE CLEANOUT OCCURS AT MID SPAN OF PIPING.

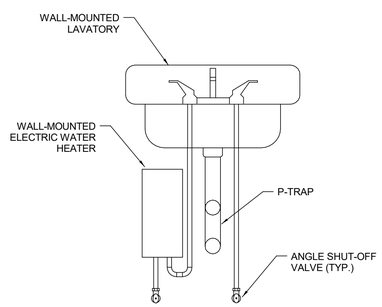


USE A LONG SWEEP BEND WHERE CLEANOUT OCCURS AT END OF PIPING.

2 / P500 FLOOR CLEANOUT DETAIL — NOT TO SCALE



3 / P500 TYPICAL PIPE BURIAL DETAIL — NOT TO SCALE



4 / P500 LAVATORY DETAIL — NOT TO SCALE

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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PLUMBING DETAILS & SCHEDULES

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

DRAWN BY
CSH

BID DOCUMENTS

P-500

5/13/2025 11:21:35 AM

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.
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
AD	ACCESS DOOR OR AREA DRAIN
ADP	APPARATUS DEW POINT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AGA	AMERICAN GAS ASSOCIATION
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMP	AMPERES
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
AST	ABOVE GROUND STORAGE TANK
ATC	AUTOMATIC TEMPERATURE CONTROL
ATCC	AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR
AVG	AVERAGE
AWG	AMERICAN WIRE GAGE
AWT	AVERAGE WATER TEMPERATURE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BAS	BUILDING AUTOMATION SYSTEM
BD	BALANCING DAMPER
BF	BLIND FLANGE
BS	BIRDSCREEN
BDD	BACKDRAFT DAMPER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
BHP	BRAKE HORSEPOWER
CA	COMMISSIONING AGENT OR AUTHORITY
CCO	CEILING CLEANOUT
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CLG	CEILING
CONN	CONNECTION
CONT	CONTINUATION
CONV	CONVECTOR
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CW	COLD WATER
°C	DEGREES CELSIUS
°F	DEGREES FAHRENHEIT
ø	DIAMETER
D	DRYER, APPLIANCE
DB	DRY BULB
DBP	DOMESTIC BOOSTER PUMP
DF	DRINKING FOUNTAIN
DHRP	DOMESTIC HOT WATER RETURN PUMP
DIR	DIRECT
DN	DOWN
DP	DOMESTIC PUMP
DR	DRAIN
DWG	DRAWING
DX	DIRECT EXPANSION
(E)	EXISTING
E/A	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEV	ELEVATION
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EXT. F&B	EXTERNAL FACE & BYPASS
EXP	EXPANSION
FA	FREE AREA
FAS	FIRE ALARM SYSTEM
FC	FLEXIBLE CONNECTION
FD	FLOOR DRAIN OR FIRE DAMPER
FLA	FULL LOAD AMPERES
FLR	FLOOR
FMS	FACILITY MANAGEMENT SYSTEM
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FPC	FIRE PROTECTION CONTRACTOR
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FIRE PROTECTION SYSTEM
FS	FLOOR SINK
FT	FEET OR FOOT
FT LB	FOOT POUND
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRD	GRILLES, REGISTERS, & DIFFUSERS
GWH	GAS WATER HEATER
H	HUMIDITY
HC	HEATING CONTRACTOR
HD	HEAD
HGT	HEIGHT
HP	HORSEPOWER
HR	HOUR(S)
HUM	HUMIDIFIER
HW	HOT WATER
HZ	HERTZ
ID	INSIDE DIAMETER
IN WC	INCHES WATER COLUMN
INV	INVERT
IN WG	INCHES WATER GAGE
IW	INDIRECT WASTE
JS	JANITORS SINK
KW	KILOWATT
KWH	KILOWATT HOUR
LxWxD	LENGTH x WIDTH x DEPTH
LAT	LEAVING AIR TEMPERATURE
L	LAVATORY
LAV	LAVATORY
LF	LINEAR FEET
LD	LINEAR DIFFUSER
LBS	POUNDS
LRA	LOCKED ROTOR AMPERES
LWT	LEAVING WATER TEMPERATURE
M/A	MIXED AIR
MAX	MAXIMUM
MBH	1,000 BTUH
MMBH	1,000,000 BTUH
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MFR	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MR	MOP RECEPTOR
MTD	MOUNTED
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NG	NATURAL GAS
NO	NORMALLY OPEN
NP	NON-POTABLE
NTS	NOT TO SCALE
O/A	OUTSIDE AIR
OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
OED	OPEN END DUCT
OZ	OUNCE
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE
PPM	PARTS PER MILLION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PRESSURE/TEMPERATURE TEST PORT
PVC	POLYVINYLCHLORIDE
R/A	RETURN AIR
RD	ROOF DRAIN
REQ'D	REQUIRED
RH	RELATIVE HUMIDITY
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RX	REMOVE EXISTING
S	SINK
S/A	SUPPLY AIR
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SF	SQUARE FEET
S/FD	SMOKE/FIRE DAMPER
SH	SHOWER
SI	SOLIDS INTERCEPTOR
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
SP	STATIC PRESSURE
T	TEMPERATURE
TBR	TO BE REMOVED
TCC	TEMPERATURE CONTROL CONTRACTOR
TD	TRENCH DRAIN
THA	TOTAL HEAT ADDED
TP	TEST PORT
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TT	TEMPERATURE TRANSMITTER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UST	UNDERGROUND STORAGE TANK
UR	URINAL
V	VENT
VAV	VARIABLE AIR VOLUME
VBF	VENT BELOW FLOOR
VRV	VARIABLE REFRIGERANT VOLUME
VTR	VENT THROUGH ROOF
W	WASHER, APPLIANCE OR WASTE
WB	WET BULB
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 (CO_2) SENSOR/ OCCUPANCY SENSOR
- 24x18 — DUCT, WIDTH x HEIGHT
- (E)24x18 — EXISTING DUCT TO REMAIN, WIDTH x HEIGHT
- 24x18 — EXISTING DUCT TO BE REMOVED, WIDTH x HEIGHT
- CHANGE OF DIRECTION, RISE (R), DROP (D)
- 24ø — 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 NUMBER / REFERENCE DRAWING — DETAIL DESIGNATION
- DIRECTION INDICATOR / DETAIL NUMBER / REFERENCE DRAWING — SECTION DESIGNATION

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SHAKER BARN RESTROOM

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

MECHANICAL SYMBOLS, NOTES & ABBREVIATIONS

REVISIONS

PROJECT NUMBER
21-001

DATE
MARCH 18, 2025

DRAWN BY
CSH

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M-000

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KEY NOTES:

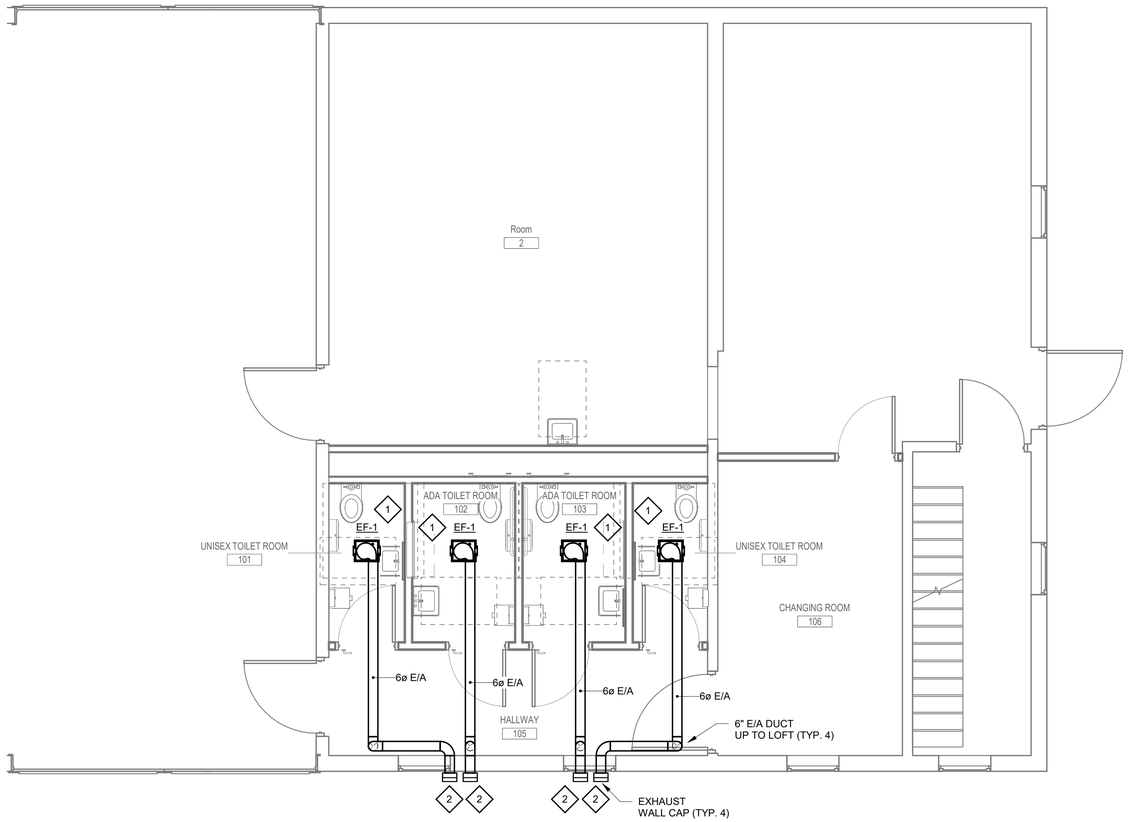
1. PROVIDE EXHAUST FAN (EF-1) AND ASSOCIATED ACCESSORIES. BALANCE EXHAUST AIRFLOW TO 75 CFM. COORDINATE WITH ELECTRICAL TRADE.

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

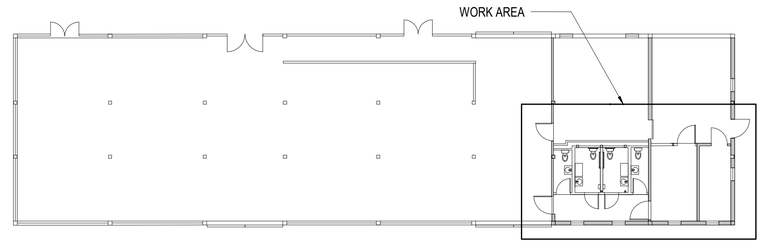
EXHAUST FAN SCHEDULE										
PLAN CODE	LOCATION	SERVICE	TYPE	CFM	SP	ELECTRICAL VOLT/ϕ/Hz	RPM	AMPS	BASIS OF DESIGN	NOTES
EF-1	TOILET ROOMS	EXHAUST	CEILING FAN	75	0.25	115/1/60	809	0.313	COOK - GEMINI MODEL GC-146	1

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.

N

0' 1/2' 1' 2' 4'



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

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MECHANICAL PLAN

REVISIONS

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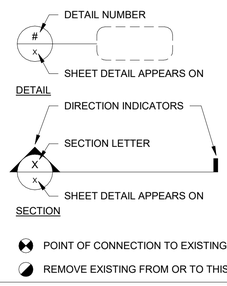
GENERAL NOTES:

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, CONSTRUCTION TOOLS, TRANSPORTATION, INSURANCE, 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, ASHRAE, IBC, NEC, AND NFPA.
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. 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.
9. 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.
10. DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
11. 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.
12. 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.
13. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
14. 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.
15. 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.
16. 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.
17. 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.
18. UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE WALL BOX OR DEVICE.
19. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
20. 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.
21. 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.

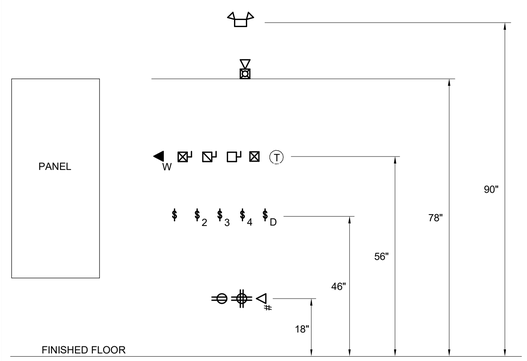
GENERAL DEMOLITION NOTES:

1. 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.
2. 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.
3. 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.
4. ANY WORK PERFORMED AS PART OF THIS CONTRACT REQUIRING OR ALTERATION WILL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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

X / #	DUPLEX RECEPTACLE - NEMA 5-20R - WALL MOUNTED - FLUSH
J	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
P	MANUAL PULL STATION - 42" AFF TO CENTER OF HANDLE
S	SMOKE DETECTOR, PHOTOELECTRIC TYPE (D - DUCT MOUNTED, I - IONIZATION TYPE, A - UNIT WITH AUXILIARY CONTACT)
15	VISIBLE NOTIFICATION DEVICE - MOUNTING HEIGHT PER NFPA 72, NUMBER INDICATES CANDELA RATING
15	AUDIBLE/VISIBLE NOTIFICATION DEVICE - MOUNTING HEIGHT PER NFPA 72, NUMBER INDICATES CANDELA RATING
FACU	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
ABN	ABANDON
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CURRENT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BIL	BASIC IMPULSE LEVEL
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CONC	CONCRETE
CONN	CONNECTION
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DET	DETAIL
DIA, Ø	DIAMETER
DISC	DISCONNECT
DN	DOWN
DWG	DRAWING
E, (E)	ELECTRIC, ELECTRICAL
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION
EM, EMER	EMERGENCY
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EX, EXIST	EXISTING
EXH	EXHAUST
EXT	EXTERNAL
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLR	FLOOR
FIN	FINISHED
FT	FEET
FU	FUSE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
GR	GRADE
GRD	GROUND
HP	HORSEPOWER
HZ	HERTZ
INT	INTERRUPTING
JB	JUNCTION BOX
KA	KILO AMPERE
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KVAR	KILOVOLT AMPERES REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LA	LIGHTNING ARRESTOR
L-N	LINE TO NEUTRAL
LED	LIGHT EMITTING DIODE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOV	METAL OXIDE VARISTOR
MOD	MOTOR OPERATED DAMPER
MVA	MEGAVOLT AMPERES
NC	NORMALLY CLOSED
NE	NORMAL EMERGENCY
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OL	OVERLOAD
OH	OVERHEAD
P	POLE
PC	PHOTOCELL
PF	POWER FACTOR
PFFB	PROVISIONS FOR FUTURE BREAKER
PH, Ø	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYLCHLORIDE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPS
RES	RESISTOR
RMC	RIGID METAL CONDUIT
RMS	ROOT MEAN SQUARE
RPM	REVOLUTIONS PER MINUTE
RX	REMOVE EXISTING
SA	SURGE ARRESTOR
SEC	SECONDARY
SMR	SURFACE METAL RACEWAY
SYM	SYMMETRICAL
T	TRANSFORMER
TEMP	TEMPERATURE
TC	TRIP COIL
TRANS	TRANSFORMER
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VM	VOLT METER
VP	VAPOR PROOF
W	WATTS
WG	WIRE GUARD
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WT	WEIGHT
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)
X	FEEDER TAG - REFER TO FEEDER SCHEDULE ON DRAWING Ex.xx

GENERAL SYMBOL NOTES:

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

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SHAKER BARN RESTROOM

ELECTRICAL SYMBOLS, NOTES & ABBREVIATIONS

STATE UNIVERSITY CONSTRUCTION FUND

REVISIONS

LTRW PROJECT NUMBER
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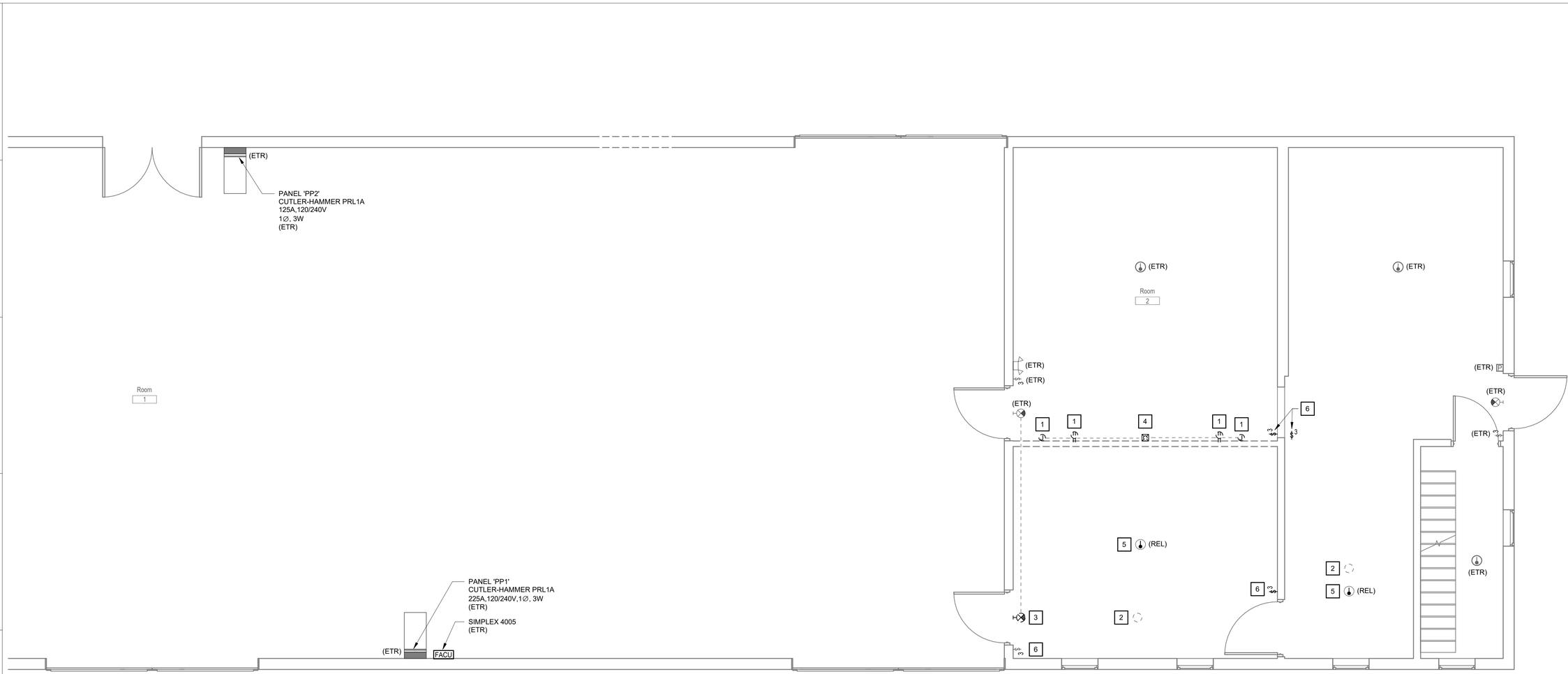
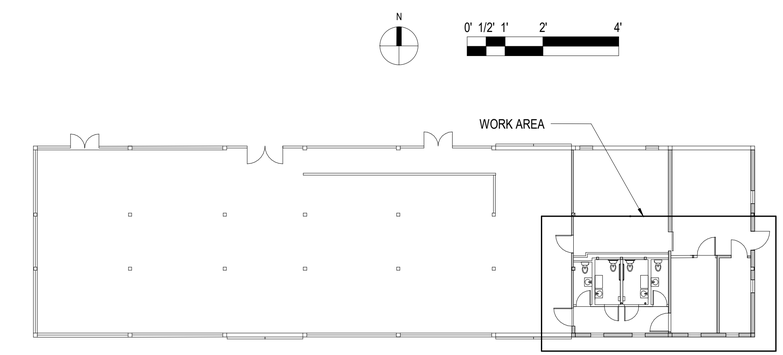


B1 ELECTRICAL DEMO FLOOR PLAN

1/4" = 1'-0"

DEMO NOTES:

1. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED RECEPTACLE AND ALL ASSOCIATED JUNCTION BOXES TO ACCOMMODATE WALL REPLACEMENT. DISCONNECT AND REMOVE BRANCH CIRCUITING BACK TO NEAREST NON-AFFECTED AREA WITHIN ROOM 2 AND SAVE FOR REUSE.
2. DISCONNECT AND REMOVE EXISTING INCANDESCENT JELLY JAR LUMINAIRE. DISCONNECT AND REMOVE BRANCH CIRCUITING BACK TO NEAREST JUNCTION BOX OUTSIDE OF WORK AREA.
3. DISCONNECT AND REMOVE EXISTING EXIT SIGN. DISCONNECT AND REMOVE BRANCH CIRCUITING BACK TO EXIT SIGN IN ADJACENT ROOM.
4. DISCONNECT AND REMOVE EXISTING FIRE ALARM NOTIFICATION DEVICE TO ACCOMMODATE WALL REPLACEMENT AND SAVE FOR RELOCATION. DISCONNECT AND REMOVE EXPOSED FIRE ALARM CABLING BACK TO PREVIOUS DEVICES AND SAVE FOR REUSE.
5. DISCONNECT AND REMOVE EXISTING FIRE ALARM HEAT DETECTOR AND SAVE FOR RELOCATION. DISCONNECT AND REMOVE EXPOSED FIRE ALARM CABLING BACK TO PREVIOUS DEVICES AND SAVE FOR REUSE.
6. DISCONNECT AND REMOVE EXISTING 3-WAY LIGHT SWITCHES. DISCONNECT AND REMOVE BRANCH CIRCUITING BACK TO NEAREST NON-AFFECTED JUNCTION BOX AND SAVE FOR REUSE.



KEY PLAN

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ELECTRICAL DEMO FLOOR PLAN

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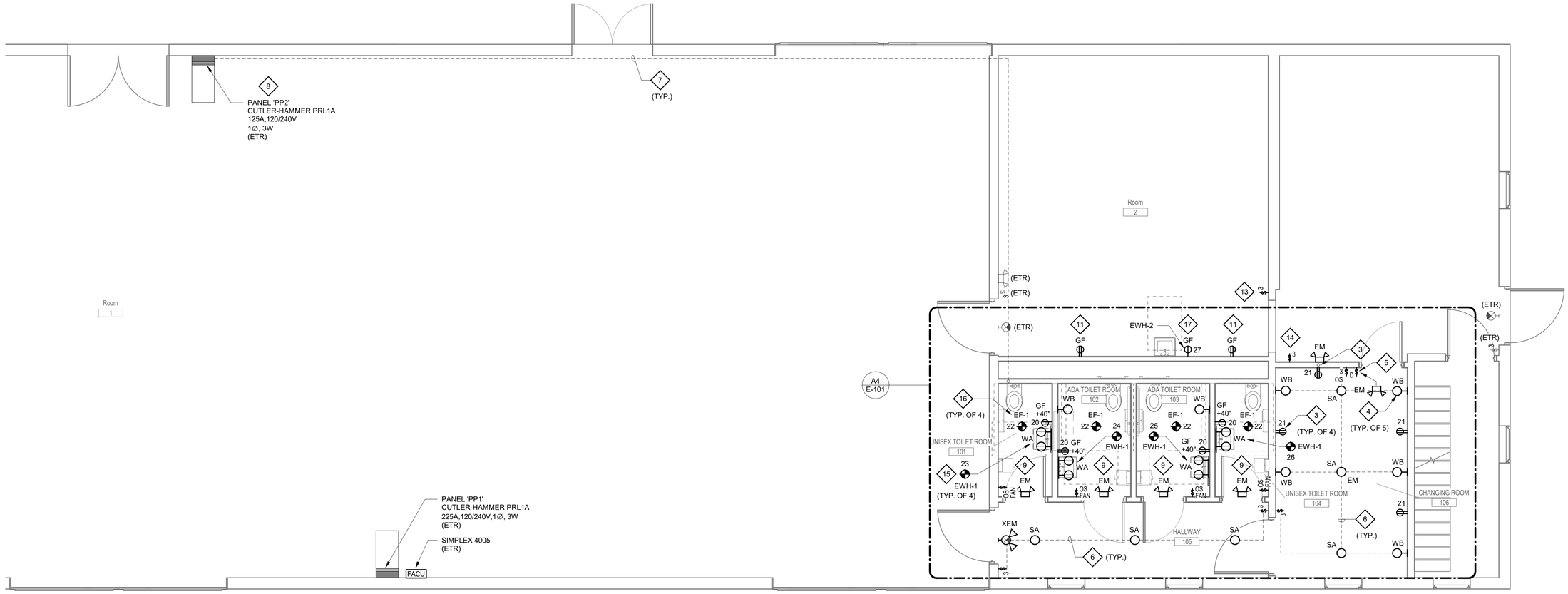


KEYED NOTES:

1. PROVIDE NEW NON-ADDRESSABLE HEAT DETECTOR AND WALL MOUNT 6-INCHES BELOW CEILING (MEASURED FROM TOP OF DETECTOR BASE).
2. RELOCATE EXISTING HEAT DETECTOR TO LOCATION SHOWN AND WALL MOUNT 6-INCHES BELOW CEILING (MEASURED FROM TOP OF DETECTOR BASE).
3. PROVIDE DUPLEX RECEPTACLE 18" A.F.F. AND FEED FROM RACEWAY ROUTED AND CONCEALED BELOW NEW FLOOR SLAB. RACEWAY SHALL BE ROUTED DOWN TO BELOW SLAB IN NEW WALL.
4. NEW SURFACE MOUNTED WALL SCONCES SHALL BE FED FROM OVERHEAD SURFACE MOUNTED RACEWAY. REFER TO ARCHITECTURAL ELEVATIONS FOR LUMINAIRE MOUNTING HEIGHTS.
5. PROVIDE DIMMER SWITCH COMPATIBLE WITH INSTALLED LUMINAIRES. DIMMER SWITCH SHALL CONTROL BOTH THE CEILING MOUNTED AND WALL MOUNTED LUMINAIRES WITHIN THE CHANGING ROOM. THE DIMMER SWITCH AND SENSOR SWITCH SHALL SHARE SAME BACKBOX. REFER TO DETAIL E1/E-500 FOR WIRING DIAGRAM.
6. PROPOSED ROUTING OF SURFACE MOUNTED RACEWAY FOR CEILING AND WALL MOUNTED LUMINAIRES.
7. PROPOSED ROUTING OF SURFACE MOUNTED RACEWAYS FOR NEW POWER BRANCH CIRCUITING FROM PANELBOARD 'PP2'. RACEWAYS SHALL BE CONCEALED FROM VIEW AS MUCH AS POSSIBLE.
8. PROVIDE FOUR (4) NEW 20A-1P AND FOUR (4) NEW 30A-1P CIRCUIT BREAKERS IN EXISTING PANELBOARD. CIRCUIT BREAKERS SHALL BE U.L. LISTED AND MATCH EXISTING PANELBOARD CONSTRUCTION AND KAIC RATING.
9. PROVIDE EMERGENCY BATTERY PACK AND MOUNT OVER DOOR.
10. PROVIDE COMBINATION EXIT SIGN AND EMERGENCY BATTERY PACK AND MOUNT OVER DOOR.
11. PROVIDE NEW FLUSH MOUNTED RECEPTACLES IN NEW WALL AT 18" A.F.F. AND EXTEND AND RECONNECT EXISTING POWER BRANCH CIRCUITING TO DEVICES.
12. RE-INSTALL EXISTING FIRE ALARM NOTIFICATION DEVICE IN NEW WALL AND EXTEND AND RECONNECT EXISTING FIRE ALARM CABLING TO DEVICE; FIRE ALARM CABLING SHALL BE ROUTED IN CONCEALED RACEWAY WITHIN WALL.
13. PROVIDE NEW SURFACE MOUNTED 3-WAY TOGGLE SWITCH TO CONTROL LUMINAIRES IN ROOM 2. EXTEND AND RECONNECT EXISTING ROOM LIGHTING CIRCUIT TO NEW TOGGLE SWITCH.
14. PROVIDE NEW SURFACE MOUNTED 3-WAY TOGGLE SWITCH TO CONTROL LUMINAIRES IN EXISTING ROOM. EXTEND AND RECONNECT EXISTING ROOM LIGHTING CIRCUIT TO NEW TOGGLE SWITCH.
15. UNDER-SINK POINT-OF-USE ELECTRIC WATER HEATER WILL BE FURNISHED WITH LOOSE DISCONNECT THAT SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR ADJACENT TO WATER HEATER. WATER HEATER SHALL BE FED FROM NEW DEDICATED 30A-1P BREAKER IN PANELBOARD 'PP2'. PROVIDE 2#10, 1#10 GND. IN 3/4" EMT CONDUIT FOR BRANCH CIRCUITING.

KEYED NOTES (CONT):

16. EXHAUST FAN BRANCH CIRCUIT SHALL BE ROUTED THROUGH TOILET ROOM WALL SENSOR SWITCH. REFER TO DETAIL E6/E-500 FOR ADDITIONAL WIRING REQUIREMENTS.
17. PROVIDE DEDICATED SIMPLEX, NEMA 5-20R, GFI TYPE RECEPTACLE FOR PLUG-IN MINI-TANK ELECTRIC WATER HEATER. RECEPTACLE SHALL BE MOUNTED ADJACENT TO WATER HEATER; COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

C6 ELECTRICAL FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES:

A. ALL FIRE ALARM, LIGHTING AND POWER BRANCH CIRCUITING SHALL BE CONCEALED WITHIN NEW WALLS WHEREVER POSSIBLE. WHERE SURFACE MOUNTED RACEWAY IS REQUIRED, RACEWAY SHALL BE EMT AND ROUTING SHALL BE COORDINATED WITH ARCHITECT.

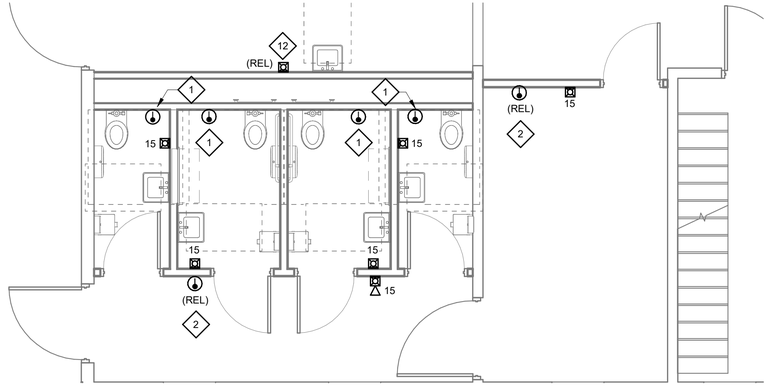
B. UNLESS NOTED OTHERWISE, PROVIDE 2#12, 1#12 GND. IN 3/4"C EMT CONDUIT FOR ALL 120V BRANCH CIRCUITING.

C. ALL BRANCH CIRCUITING SHALL ORIGINATE FROM PANELBOARD 'PP2'.

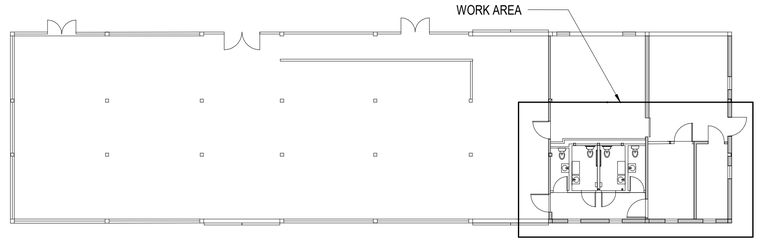
D. ALL FIRE CABLING WITHIN WORK AREA SHALL BE ROUTED IN EMT CONDUIT. NEW AND RELOCATED DEVICES SHALL BE RECONNECTED TO EXISTING NOTIFICATION AND INITIATING DEVICE CIRCUITS ROUTED THROUGH BUILDING.

E. ALL NEW LUMINAIRES AND ASSOCIATED LIGHTING CONTROLS SHALL BE FED FROM NEAREST EXISTING LIGHTING CIRCUIT.

F. ALL EMERGENCY BATTERY PACKS AND EXIT SIGNS SHALL BE FED FROM THE LOCAL LIGHTING CIRCUIT, AHEAD OF ALL LIGHTING CONTROLS.



A4 PARTIAL ELECTRICAL FLOOR PLAN - FIRE ALARM
1/4" = 1'-0"



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

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ELECTRICAL FLOOR PLANS

REVISIONS

PROJECT NUMBER
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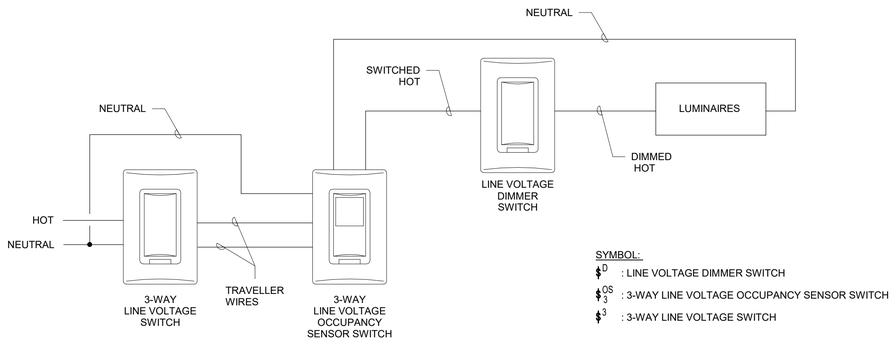


SYMBOL:

$\$^{D}$: LINE VOLTAGE DIMMER SWITCH

$\$^{OS}_{3}$: 3-WAY LINE VOLTAGE OCCUPANCY SENSOR SWITCH

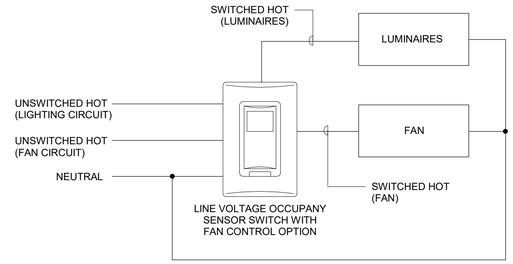
$\$^{3}$: 3-WAY LINE VOLTAGE SWITCH

SEQUENCE OF OPERATION:

- UPON ENTERING THE SPACE THE OCCUPANCY SENSOR SWITCH SHALL AUTOMATICALLY TURN ON THE LUMINAIRES. 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 LUMINAIRES AFTER 20 MINUTES OF INACTIVITY.

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

E1 NO SCALE



SYMBOL:

$\$^{OS}_{FAN}$: LINE VOLTAGE OCCUPANCY SENSOR SWITCH WITH FAN CONTROL OPTION

SEQUENCE OF OPERATION:

- UPON ENTERING THE SPACE THE SWITCH OCCUPANCY SENSOR SHALL AUTOMATICALLY TURN ON THE LUMINAIRES AND FAN. ONCE THE OCCUPANT HAS LEFT THE SPACE THE SWITCH SENSOR SHALL TURN OFF THE LUMINAIRES AFTER 20 MINUTES OF INACTIVITY. THE FANS 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.

A1 **LUMINAIRE SCHEDULE**
NO SCALE

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ELECTRICAL DETAILS & SCHEDULES

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