

Town of Taylorsville

“The Brushy Mountain Gateway”

67 Main Avenue Drive

Taylorsville, North Carolina 28681

828.632.2218 (Phone) • 828.632.7964 (Fax)

www.taylorsvillenc.com

REQUEST FOR BID

MATHESON PARK BATHROOM FACILITY GRADING AND SLAB INSTALLATION

1. INTRODUCTION

The Town of Taylorsville is seeking bids for the site work needed for a new bathroom facility at Matheson Park. The site work will consist of grading, pouring footers, below slab plumbing installation, and installation of concrete slab. The concrete slab will be 23' x 26' (see attached plans). This Request for Bid (RFB) is not to be construed as an offer, contract, or commitment of any kind; nor does it commit the Town of Taylorsville to pay any cost incurred by the bidder in the preparation of its bid.

2. SUBMITTAL DEADLINE

Submittals must be presented no later than 12:00 P.M. on October 16th, 2026 to:

Town of Taylorsville
Attn: Bid For Matheson Park Culvert Replacement
67 Main Avenue Drive
Taylorsville, NC 28681

Or

Emailed to: awike@taylorsvillenc.com

Bids received after the date and time set for receiving bids will **NOT** be considered. The Town of Taylorsville will **NOT** be responsible for misdirected bids. Vendors should call the Town of Taylorsville at (828) 632-2218 to ensure receipt of their bid documents prior to the opening date and time listed above.

3. CONTRACT AWARD

Bids shall be considered by the Town of Taylorsville staff and board based on cost of procurement, contractor integrity, compliance with public policy, record of past

performance, financial and technical resources, and the best overall value to the Town of Taylorsville. The Town of Taylorsville reserves the right to accept or reject any or all bids, waive formalities in the bidding, waive irregularities in any or all bids, and make a bid award deemed to be in the best interest of the Town of Taylorsville.

4. SUBMITTAL REQUIREMENTS

All bids shall be submitted by 12:00 P.M. on October 16th, 2026. Bids can be submitted at Town Hall or by email.

5. REQUIREMENTS AND SPECIFICATIONS

All bidders must have a minimum automobile and liability insurance policy of \$1,000,000 per occurrence as well as worker's compensation that meets the state's statutory requirements. A copy of the current policy must be attached to the bid unless the Town of Taylorsville already has a copy on file.

Bids need to be broken down into labor cost and material costs.

Work requested:

Grading site area.

Installation of foundation footers.

Installation of below slab plumbing.

Concrete slab installation.

Work must be completed as soon as possible.

6. QUESTIONS AND COMMENTARY

Inquiries regarding this RFB shall be addressed to Aaron Wike at awike@taylorsvillenc.com no later than Wednesday, October 14th, 2026 at 12:00 P.M. Responses shall be in writing. No information exchanged verbally shall be considered binding.

Thank you for your assistance. If you have any questions, please do not hesitate to contact Town Hall at 828-632-2218

CLIENT/APPLICANT	SHEET TITLE
TOWN OF TAYLORSVILLE NATHAN HESTER, MPA, NC TOWN MANAGER 67 MAIN AVENUE TAYLORSVILLE, NC 28788 828-624-2158 828-455-7218	

9/13/96
NORTH CAROLINA
PROFESSIONAL
SEAL
033411
JEFFREY
ENGINEER
SMARTZ

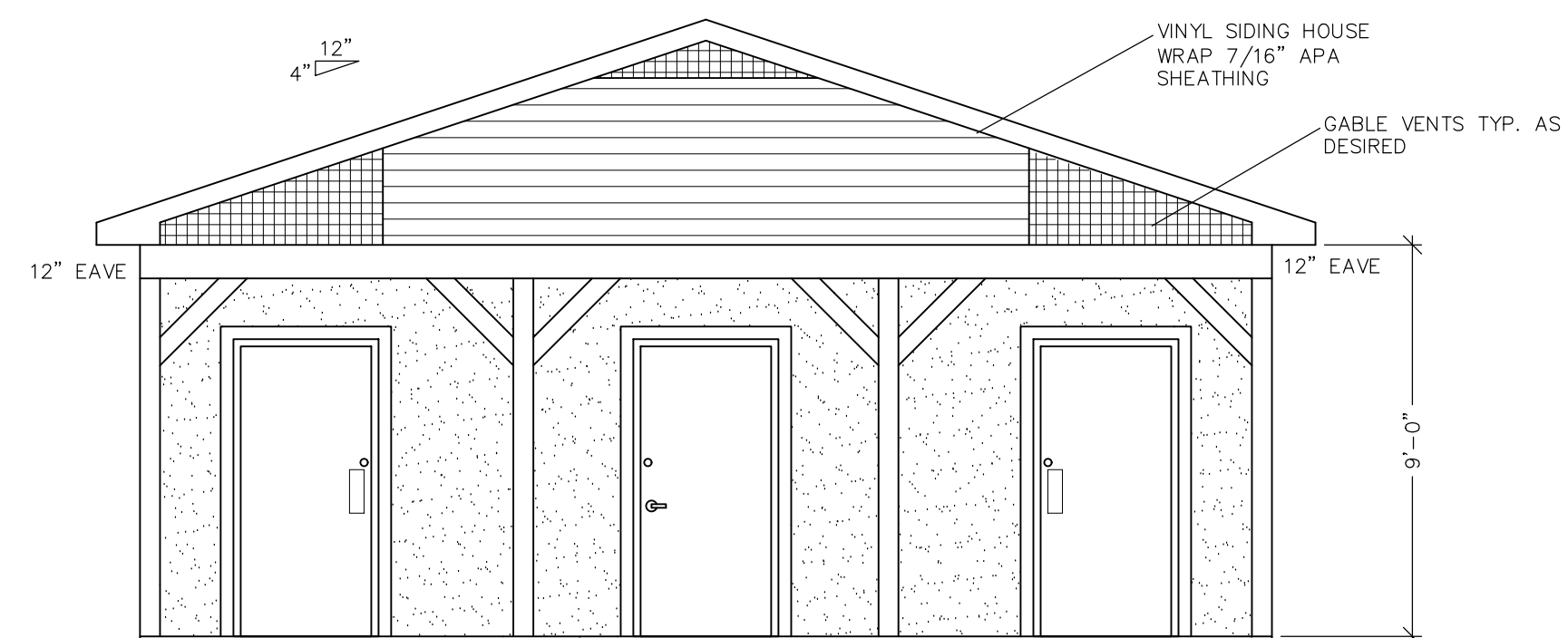
0 MATHESON PARK AVENUE
TAYLORSVILLE, NC 28681

SWARTZ
DESIGN
& ENGINEERING, PLLC

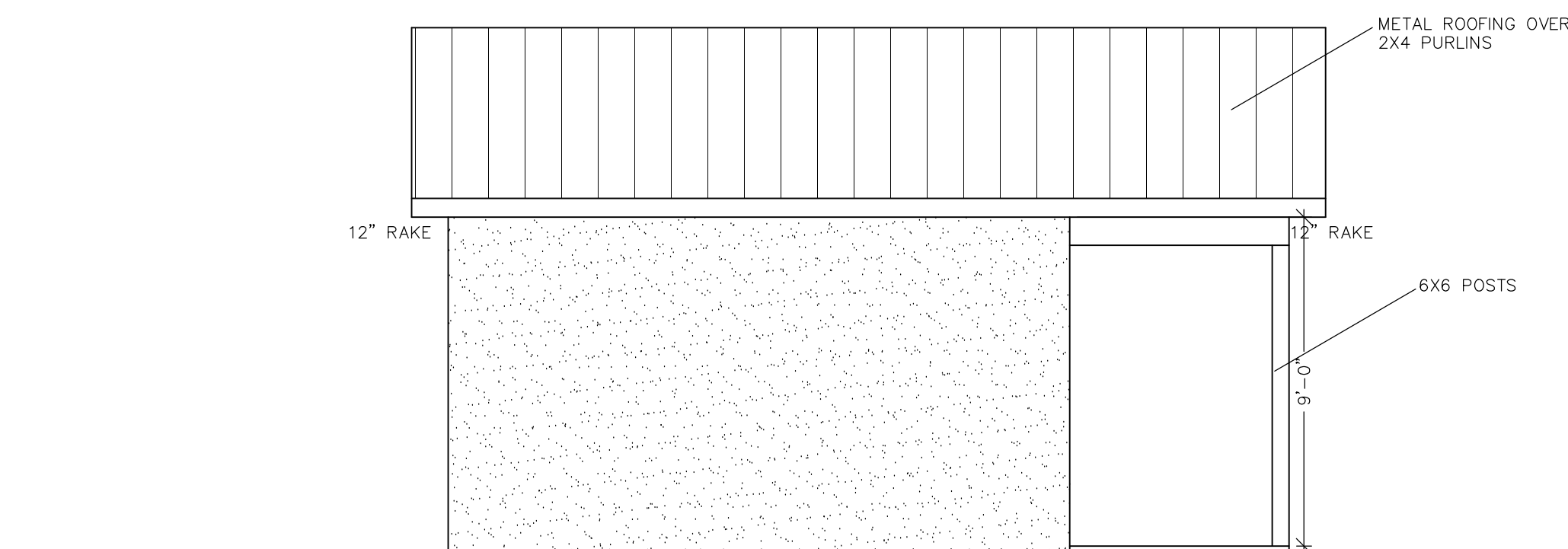
585 B&T LANE
TAYLORSVILLE, NC 28681
PHONE: (828) 632-0499
FAX: (831) 604-5011
NCBELS No. P-2500
jlspe@belsouth.net

1	OF	9
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3	OF	9
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8	OF	9
9	OF	9

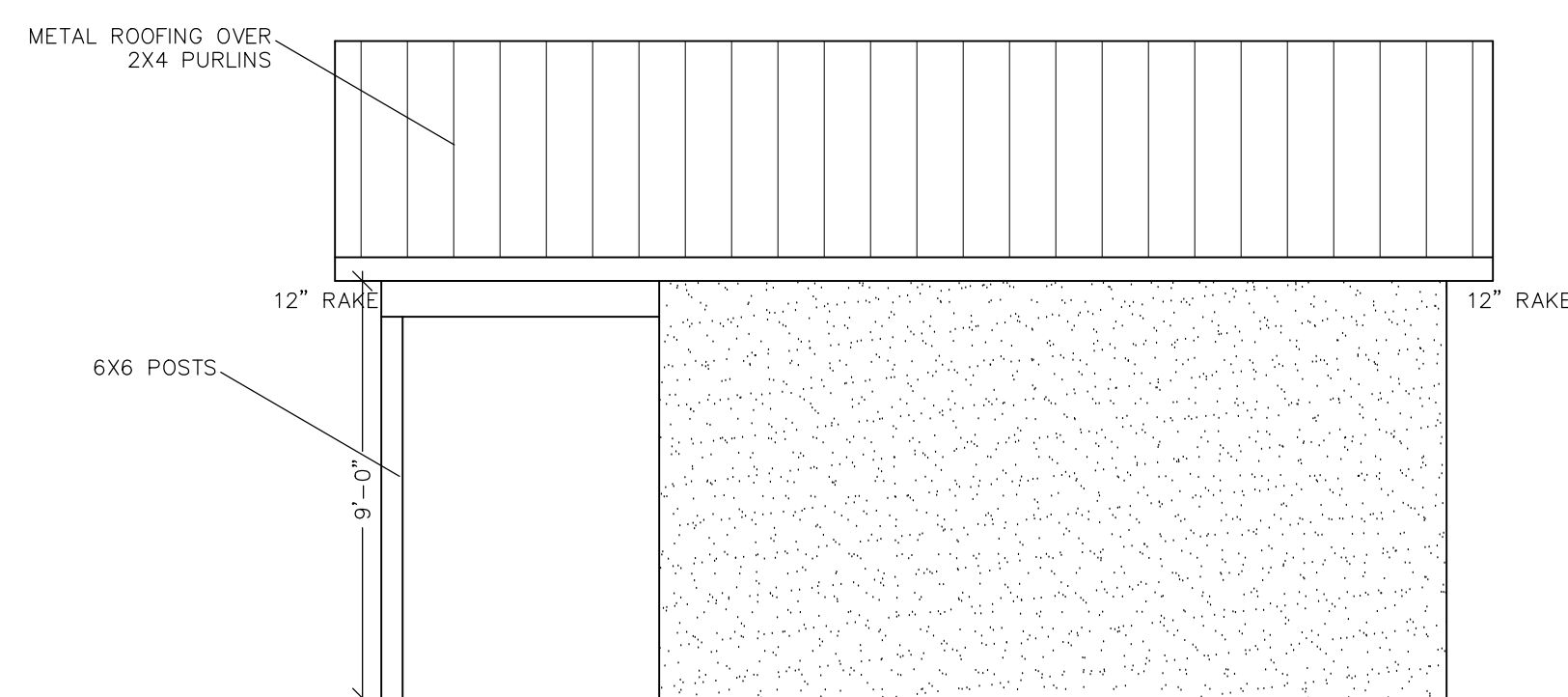
B1 BUILDING ELEVATIONS
B2 FLOOR LAYOUT PLAN
B3 SCHEDULES AND DETAILS
P1 WASTE AND SUPPLY WATER PLAN
P2 PLUMBING DETAILS
E1 ELECTRICAL PLAN (MINIMAL MECHANICAL)
E2 ELECTRICAL DIAGRAMS
S1 STRUCTURAL PLANS AND SECTION
S2 STRUCTURAL DETAILS



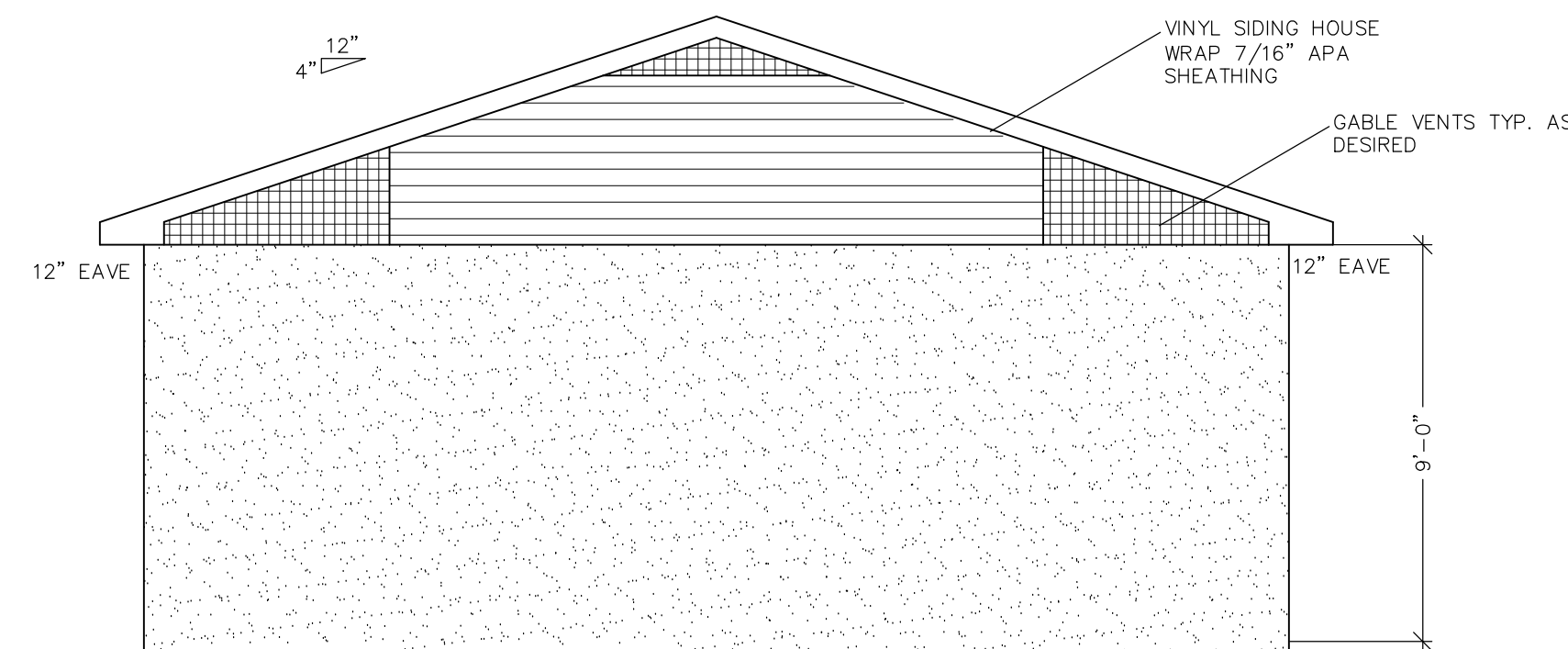
SCALE: 1/4" = 1'-0"



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



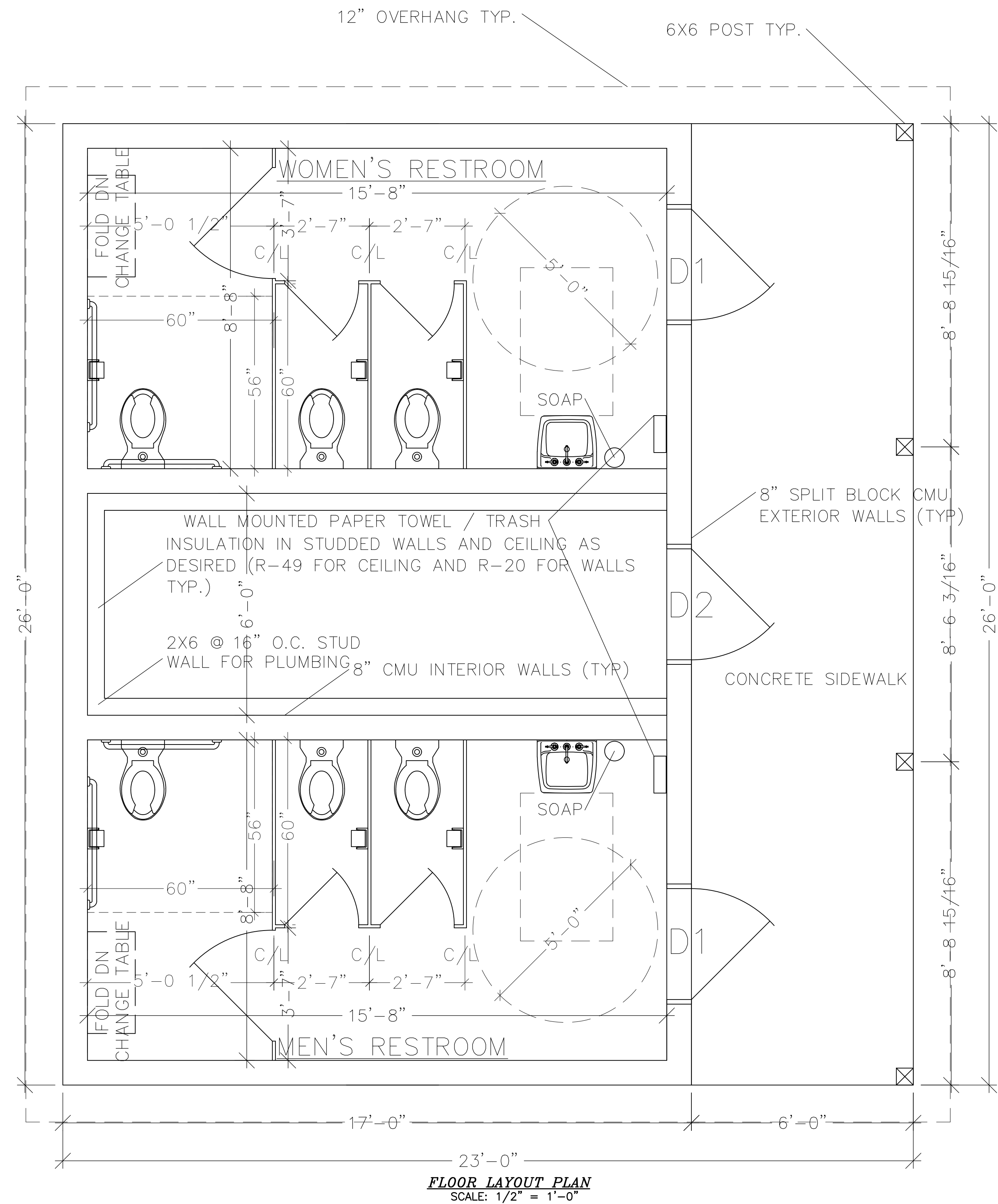
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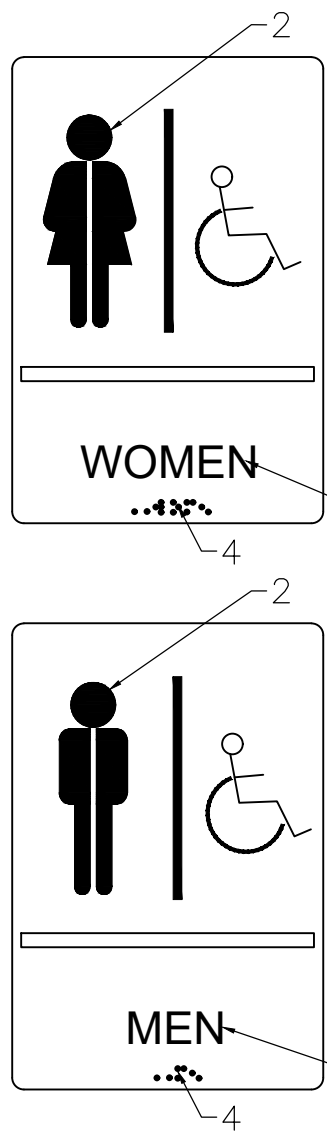
SCALE: 1/4" = 1'-0"

FINAL DRAWING — FOR CONSTRUCTION

NOTE:
ALL DOORS SHALL EXIT AT GRADE LEVEL FOR CODE ACCESSIBILITY.



FINAL DRAWING — FOR CONSTRUCTION



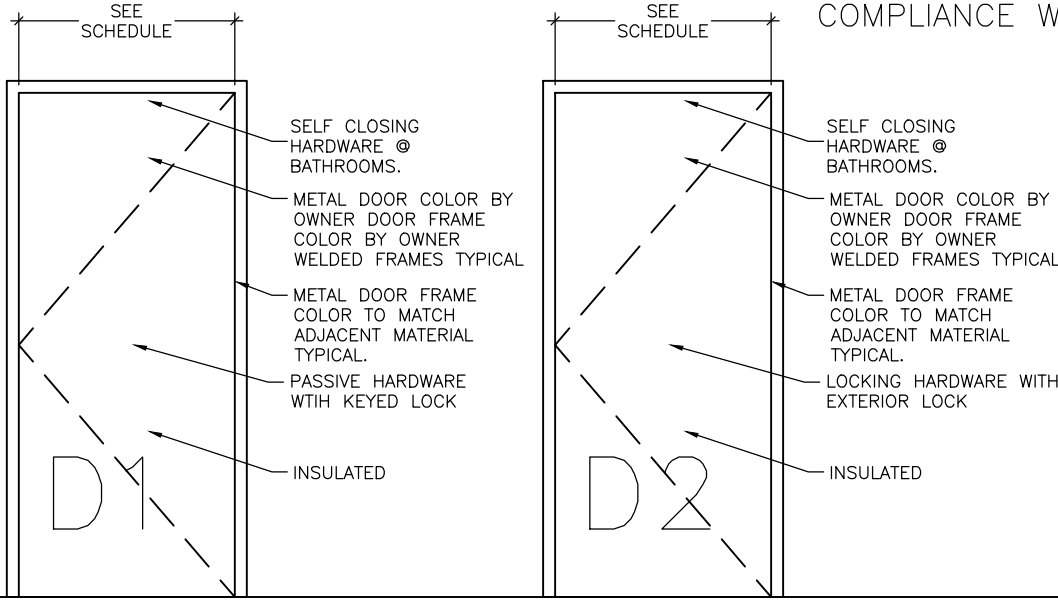
NOTES FOR ALL SIGNS:

- 6"W X 9"H MIN. BORDER DIMENSION – WOMAN FIGURE.
- USE OF WOMAN CARICATURE REQUIRED. SEE ANSI A117.1 FIG. C703.5.1.
- LETTERS AND NUMBERS SHALL BE RAISED 1/32" FROM THE BACKGROUND ON WHICH THEY ARE MOUNTED AND SHALL BE 5/8" MINIMUM TO 2" MAXIMUM IN HEIGHT. LETTER SHALL BE CAPITAL LETTERS ONLY.
- ALPHABETIC / NUMERIC SIGNAGE SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE.
- CHARACTER PROPORTION, RAISED LETTERS / NUMBERS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1. STROKE WIDTH-TO-HEIGHT RATIO SHALL BE BETWEEN 1:5 AND 1:10.
- CHARACTERS, LETTERS, AND NUMBERS SHALL CLEARLY CONTRAST WITH THEIR BACKGROUND COLOR WITHOUT GLARE.
- THE SIGN HORIZONTAL CENTERLINE SHALL BE MOUNTED AT 60" ABOVE THE FINISHED FLOOR LEVEL.

NOTES FOR ALL SIGNS:

- 6"W X 9"H MIN. BORDER DIMENSION – MAN FIGURE.
- USE OF MAN CARICATURE REQUIRED. SEE ANSI A117.1 FIG. C703.5.1.
- LETTERS AND NUMBERS SHALL BE RAISED 1/32" FROM THE BACKGROUND ON WHICH THEY ARE MOUNTED AND SHALL BE 5/8" MINIMUM TO 2" MAXIMUM IN HEIGHT. LETTER SHALL BE CAPITAL LETTERS ONLY.
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RESTROOM SIGNS
NTS



WATER SERVICE PIPE AND THE BUILDING SEWER SHALL BE SEPARATED BY 5 FEET OF UNDISTURBED OR COMPACTED EARTH.

GENERAL NOTES:

- ## PLUMBING FIXTURE NOTES

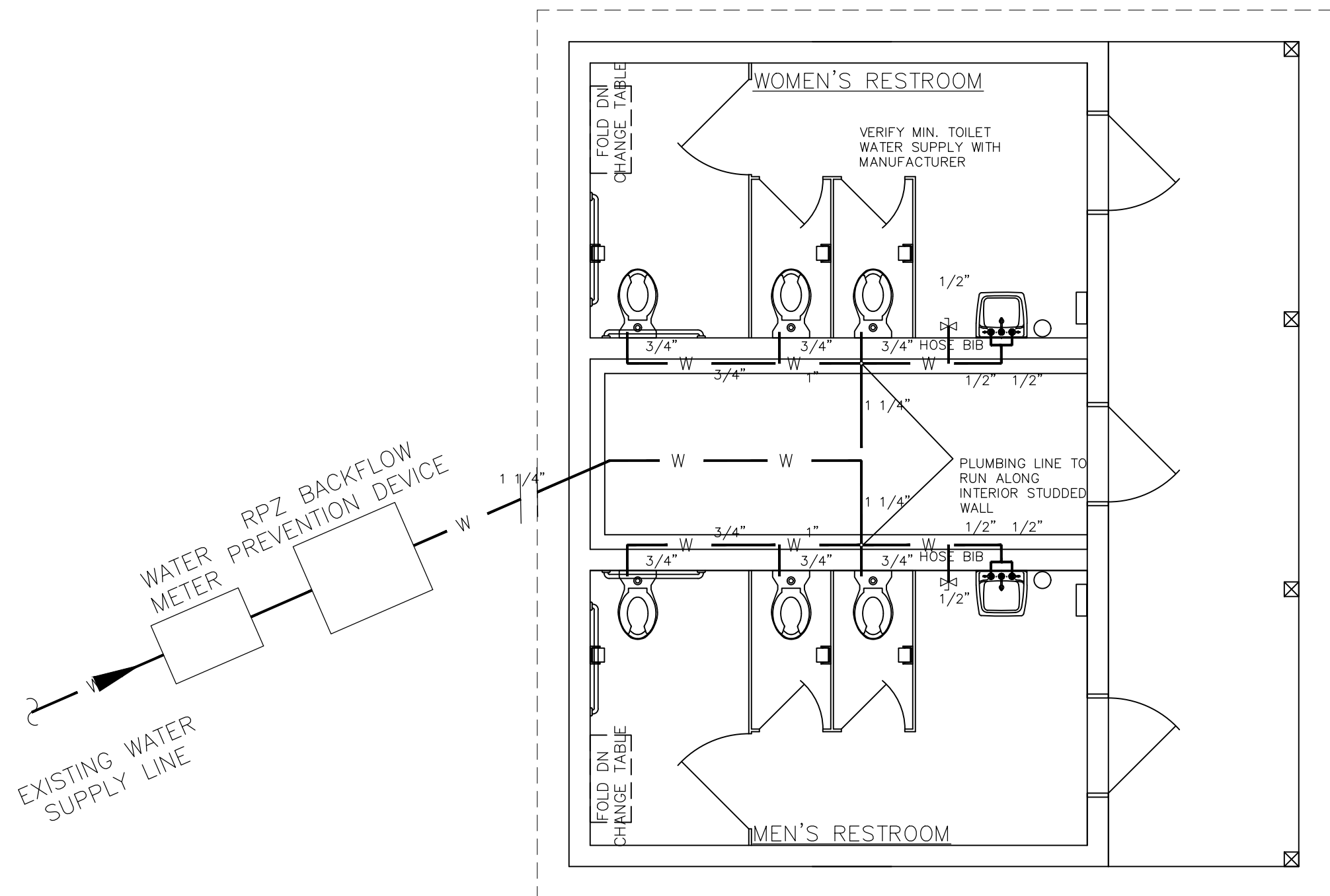
6. HOT WATER SUPPLY AND DRAIN LINES SHALL BE COVERED WITH EIGHT PIPE INSULATION OT NON-HEAT CONDUCTING BAFFLE.

WC	WATER CLOSET
LAV	LAVATORY
URWC	URINAL WATER CLOSET
SHRW	SHOWER
CO	CLEAN OUT
WH	WATER HEATER
CW	COLD WATER
HW	HOT WATER
WF	WATER FOUNTAIN
— S —	SEWER LINE
— W —	WATER LINE
— HW —	HOT WATER SUPPLY
— CW —	COLD WATER SUPPLY

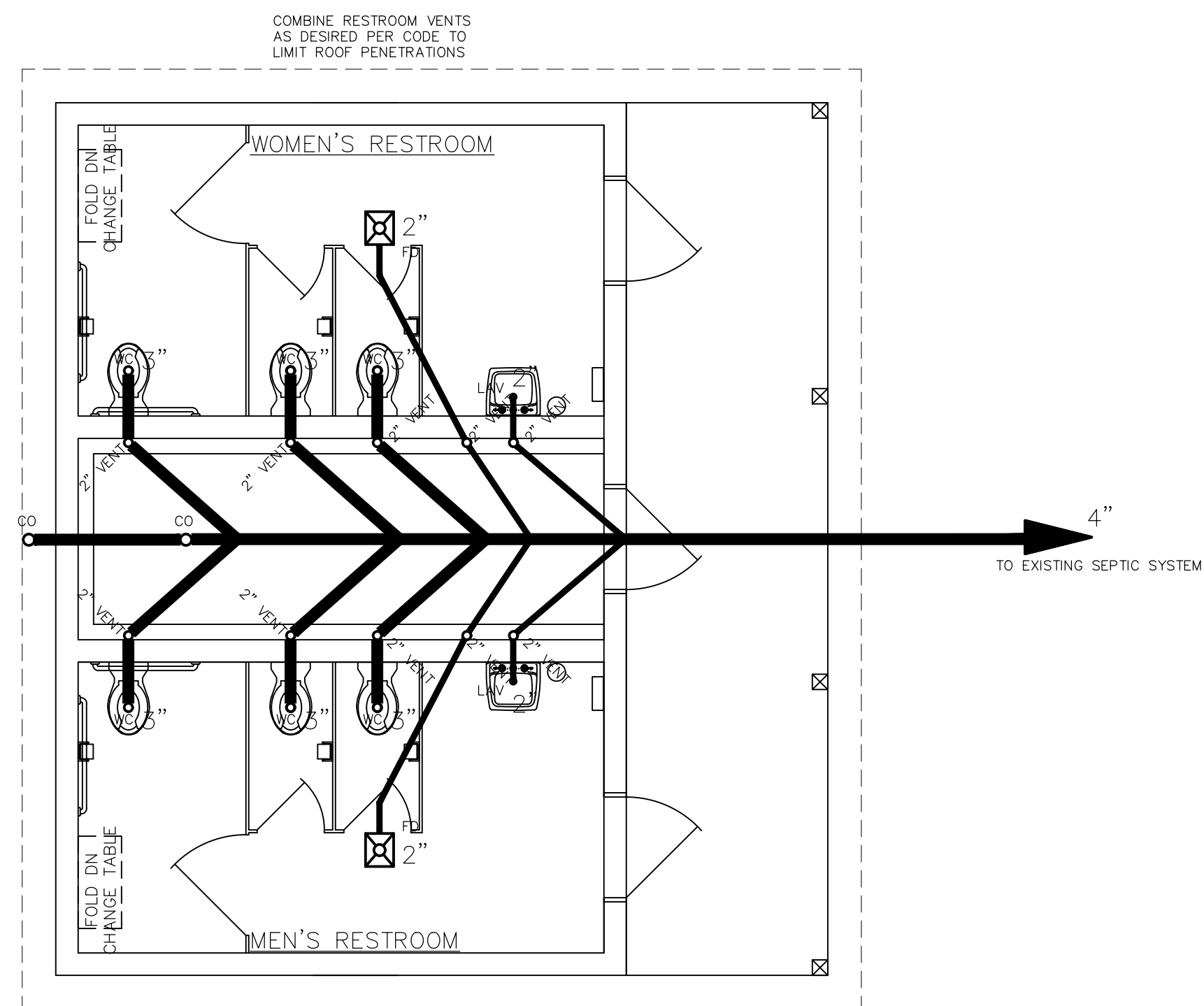
WATER SERVICE PIPE AND THE BUILDING SEWER
SHALL BE SEPARATED BY 10 FEET OF
UNDISTURBED OR COMPACTED EARTH.

NOTE:

THIS PLUMBING PLAN IS BASED UPON TYPICAL ASSUMPTIONS. ACTUAL PLUMBING PLAN MAY VARY BASED UPON SELECTED FIXTURES BY TENANT. PC IS RESPONSIBLE FOR INSTALLATION OF ALL PLUMBING FIXTURES, SUPPLIES, WASTE AND VENT PIPES IN ACCORDANCE WITH NPCC.



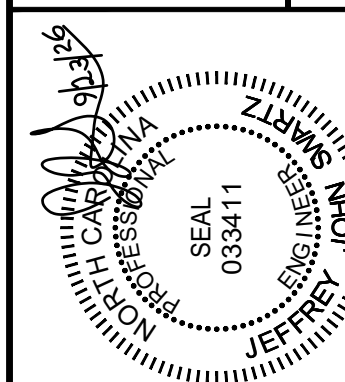
SCALE: $1/4" = 1'-0"$



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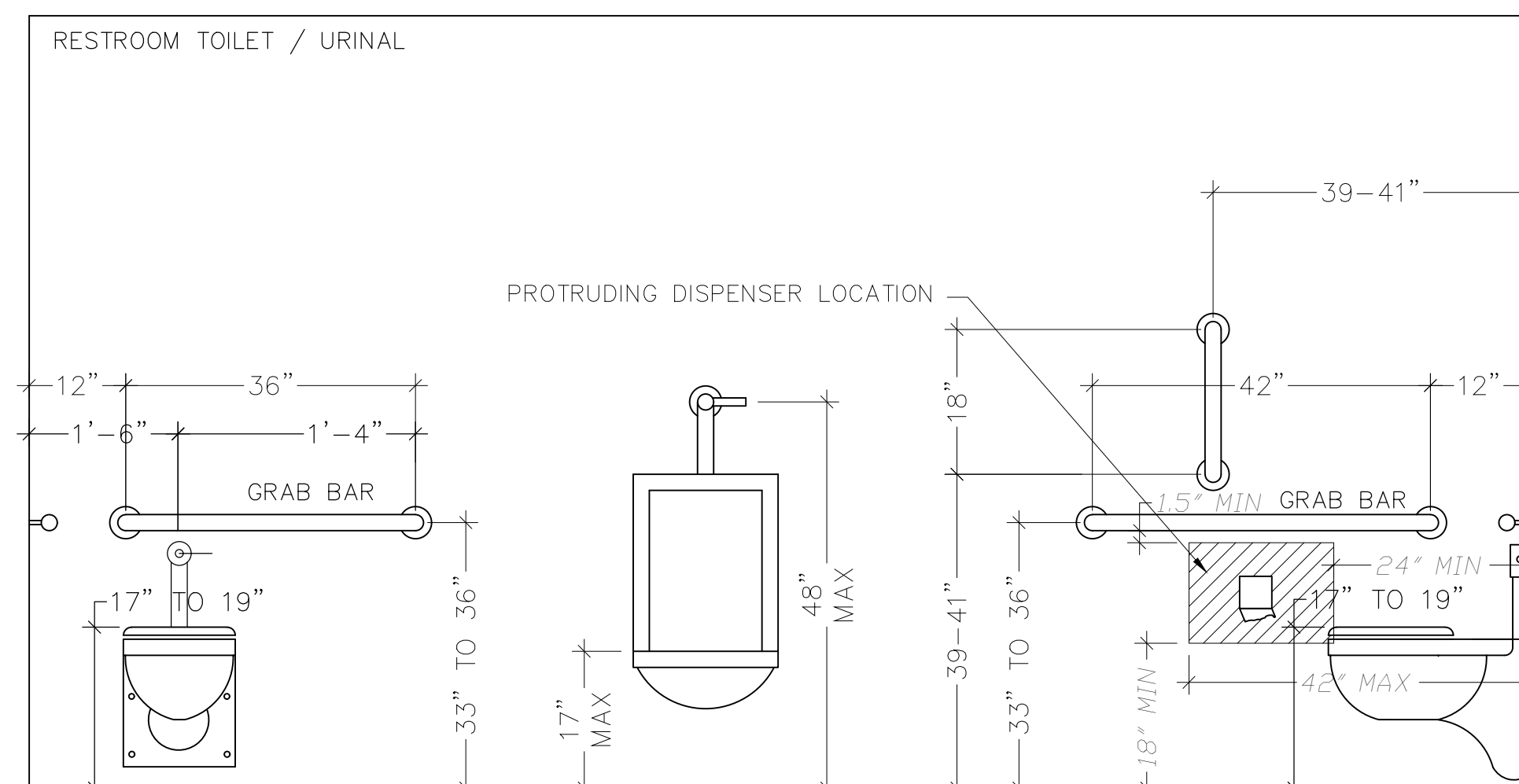
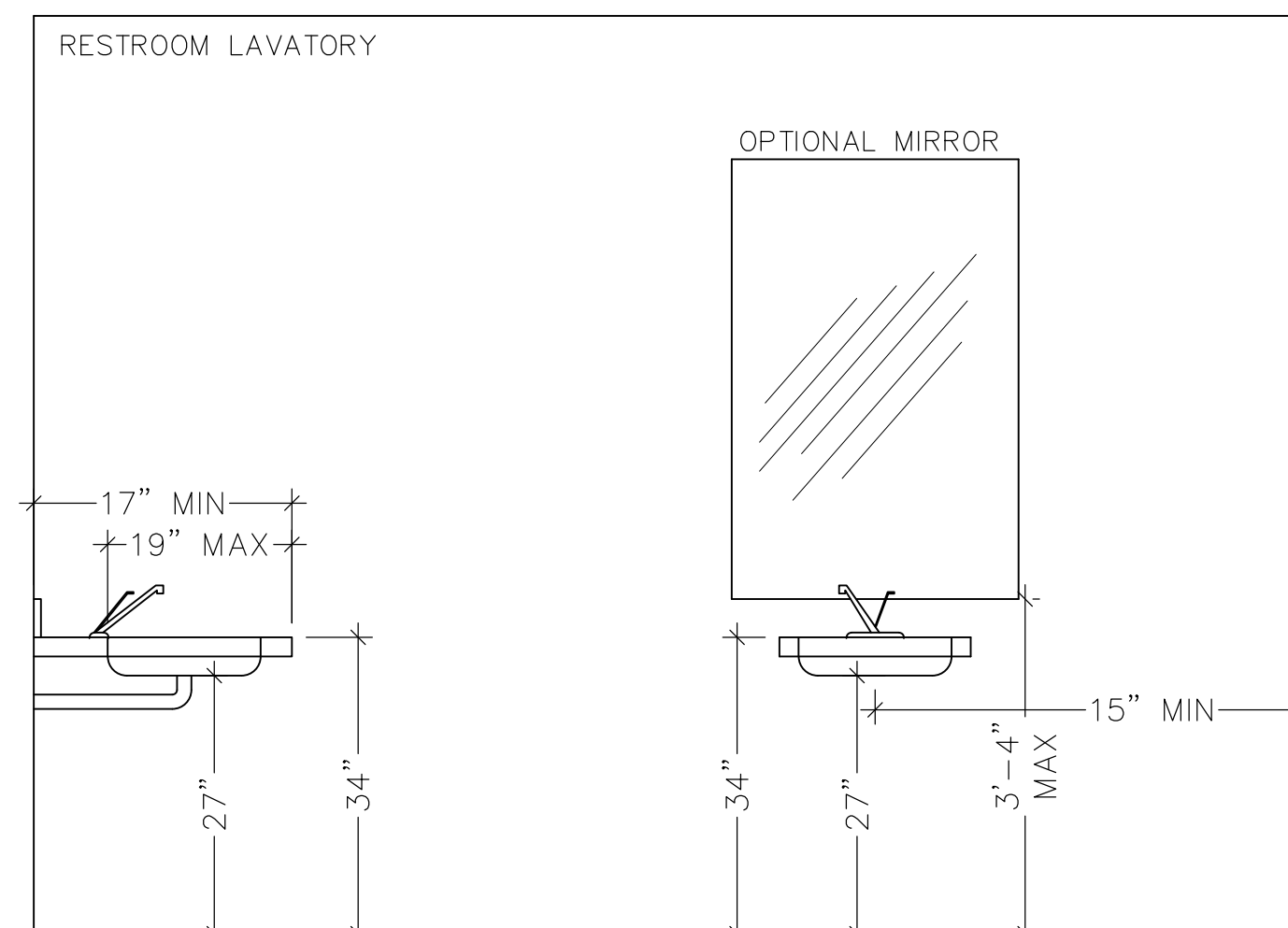
PLANS PREPARED BY: SWARTZ DESIGN AND ENGINEERING, PLLC NGBELS, P-2500 10000 WOODBRIDGE BLVD TAYLORSVILLE, NC 28681 PHONE: (919) 632-0999 FAX: (919) 632-1111 jerry@swade-pllc.com	CLIENT/APPLICANT: TOWN OF TAYLORSVILLE NATHAN HESTER, MPA, NCCE 67 WOODMAN AVE TAYLORSVILLE, NC 28781 PHONE: (919) 828-4555 828-455-7218	PROJECT MANAGER: JJ
DESIGN BY: JWS		CHECKED BY:
DRAWN BY:		CHECKED BY:
JWS		JWS
SHEET TITLE		



PROPOSED BATHROOM
FOR TOWN OF
TAYLORSVILLE, NC
100 MATHESON PARK AVENUE
TAYLORSVILLE, NC 28681
ALEXANDER COUNTY, NORTH CAROLINA

Schwartz & Engineering, PLLC
DESIGN
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jjspe@bellsouth.net
"Designs without boundaries"

1. FLOOR-MOUNTED WATER CLOSET SHALL HAVE A SEAT HEIGHT OF 17" TO 19". WALL MOUNTED URINAL SHALL HAVE A MAXIMUM RIM HEIGHT OF 17".
2. HORIZONTAL GRAB BAR HEIGHT TO BE 33" TO 36".
3. GRAB BARS SHALL BE 1 1/2" IN DIAMETER.
4. LAVATORY SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 34". BASIN SHALL HAVE A SHALLOW PROFILE TO MAXIMIZE KNEE SPACE (29" REQUIRED).
5. EXPOSED WATER SUPPLY AND DRAIN LINES SHALL BE INSULATED TO PREVENT BURNS AND SCRAPES.
6. USE LEVER TYPE CONTROLLED FAUCET.
7. TRAPS SHOULD BE OFFSET IF NOT LOCATED WITHIN THE WALL.
8. MIRRORS SHOULD BE TILTED. THE BOTTOM EDGE OF THE MIRROR SHOULD BE NO HIGHER THAN 3'-0".
9. PROVIDE NON SLIP FLOOR IN BATHROOM (CARPETING IS PROHIBITED).
10. ALL GRAB BARS SHALL HAVE MINIMUM 2X10 BACKING.
11. RIM OF URINAL SHALL NOT EXCEED 17" ABOVE FINISHED FLOOR.
12. FLUSH CONTROL FOR URINAL SHALL NOT EXCEED 48" ABOVE FINISHED FLOOR.

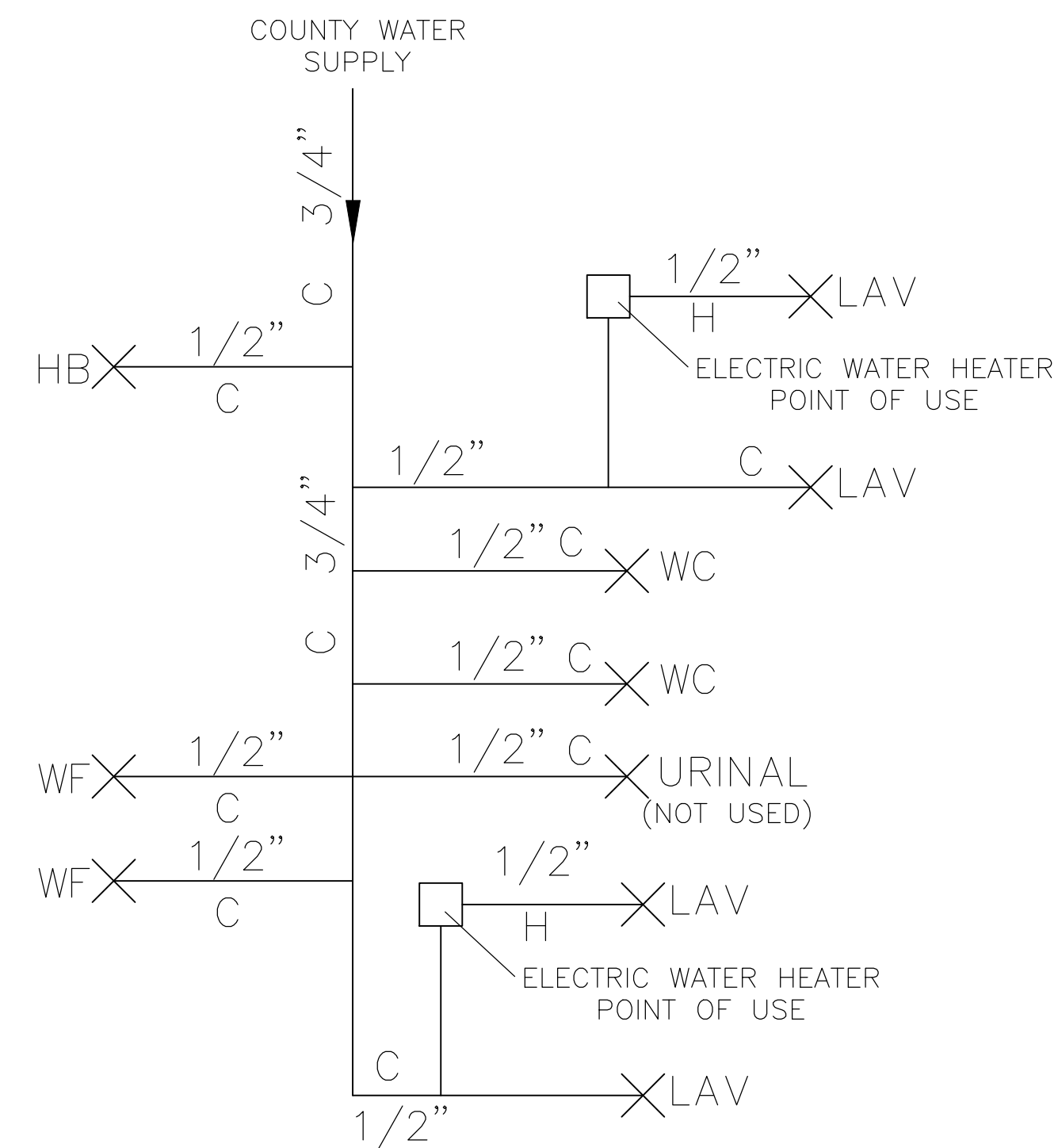


FIXTURE ACCESSIBILITY INSTALLATION DETAILS

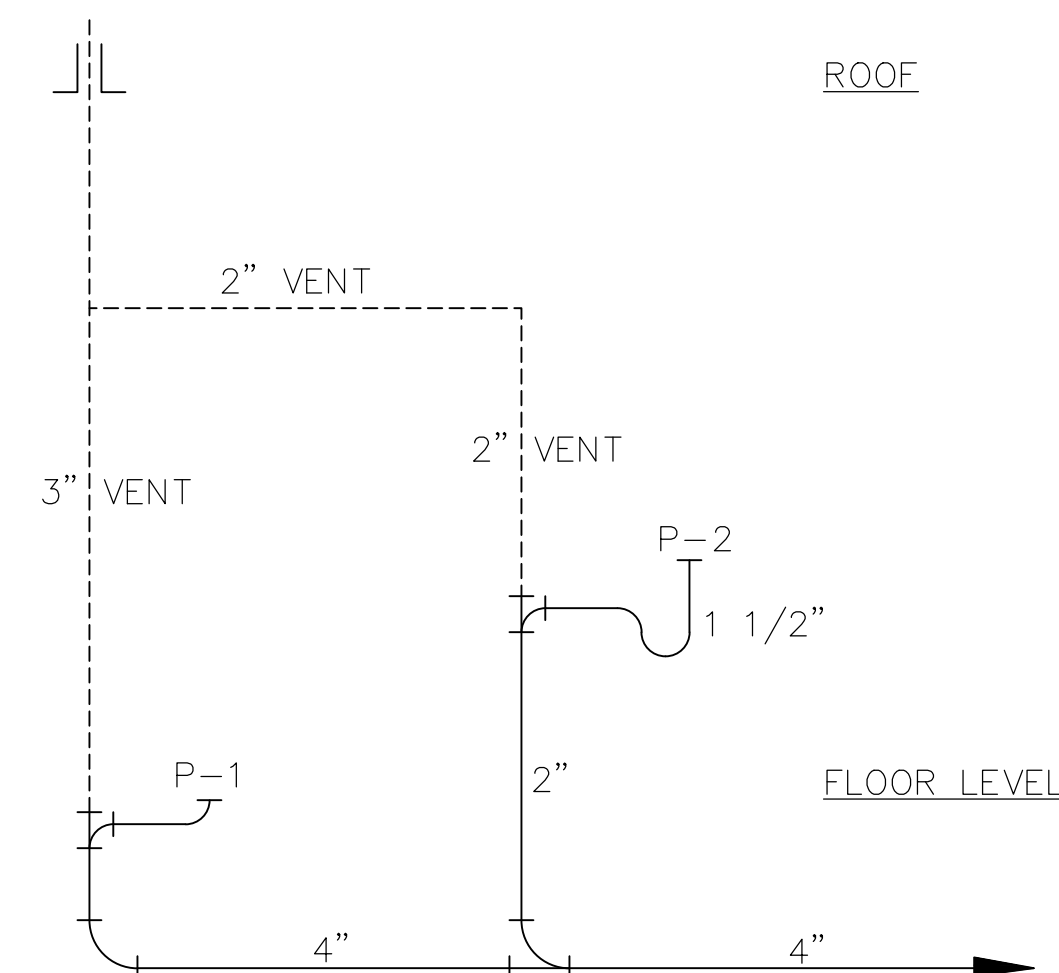
PLUMBING NOTES

1. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST ISSUE OF THE NORTH CAROLINA STATE PLUMBING CODE AND THE NATIONAL FIRE CODES WHICH APPLY.
2. ALL PLUMBING PIPING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL SYSTEM TO INSURE PROPER COMPLIANCE WITH CODES AND INSURE THAT ALL TRADES WILL NOT CONFLICT WITH EACH OTHER.
3. ALL SANITARY SEWER PIPING RUN BELOW GROUND OR FIRST FLOOR SLAB SHALL BE RUN AT 1/8" PER FT PITCH UNLESS OTHERWISE REQUIRED BY CODE OR NOTED.
4. ALL WATER PIPING SHALL BE PITCHED FOR DRAINAGE WITH DRAIN VALVES INSTALLED AT LOW POINT AND MANUAL AIR VALVES INSTALLED AT HIGH POINTS WHERE REQUIRED.
5. PROVIDE ACCESS PANELS AS REQUIRED AT VALVE LOCATIONS TO PROVIDE ACCESS TO CONTROL VALVES. COORDINATE TYPE AND LOCATION WITH GENERAL CONTRACTOR.
6. IN ANY SUBSTITUTED EQUIPMENT IS SUBMITTED AND APPROVED WITH PLUMBING CONNECTIONS OTHER THAN THAT SHOWN ON THE DRAWINGS AND SCHEDULES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE PROPER PLUMBING CONNECTIONS TO THIS EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
7. ALL CLEANOUTS SHALL HAVE TOPS ESPECIALLY DESIGNED FOR SPECIFIC FLOOR FINISHES SUCH AS CARPET, TILE, ETC. UNLESS OTHERWISE SPECIFIED.
8. DO NOT SCALE DRAWINGS. SEE AE PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
9. EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS OTHERWISE NOTED, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
10. VENTS WILL BE COLLECTED ABOVE THE CEILING AND EXTENDED THROUGH THE ROOF AT AS FEW POINTS AS POSSIBLE.
11. PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
12. PC SHALL PROVIDE A PRESSURE REDUCING VALVE WHERE WATER MAIN ENTERS BUILDING IF PRESSURE EXCEEDS 80 PSI.
13. PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.
14. THE PLUMBING CONTRACTOR SHALL PROVIDE HOSE BIBBS AT 12" AFF ON THE MECHANICAL ROOMS AND WATER HEATER CLOSET FOR THE FLOOR DRAIN.

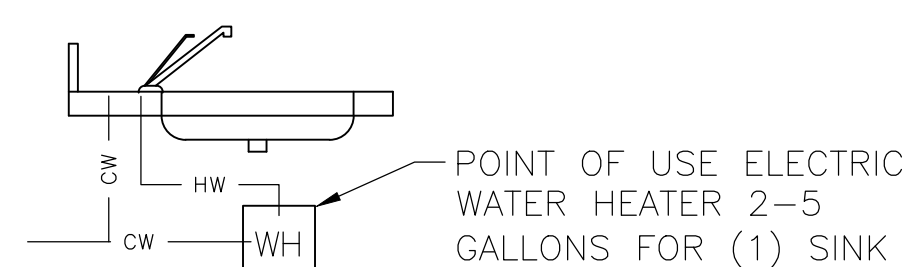
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	WH	WATER HEATER
	CW	COLD WATER
	HW	HOT WATER
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— S —		SEWER LINE
— W —		WATER LINE
— HW —		HOT WATER SUPPLY
— CW —		COLD WATER SUPPLY



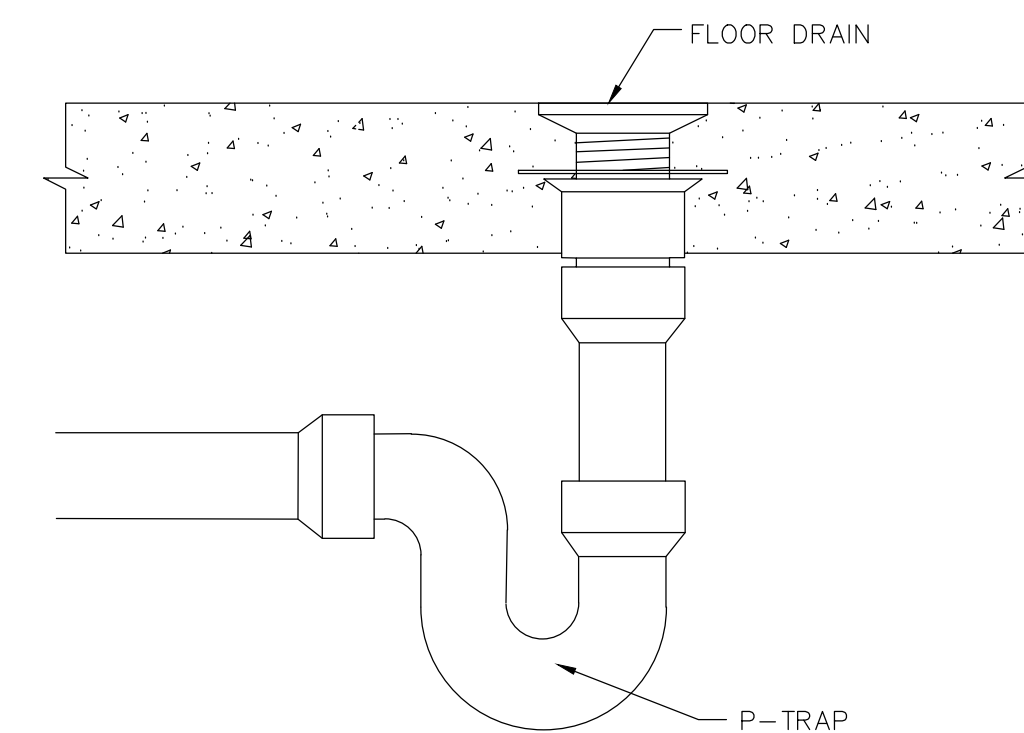
TYPICAL WATER SUPPLY SCHEMATIC



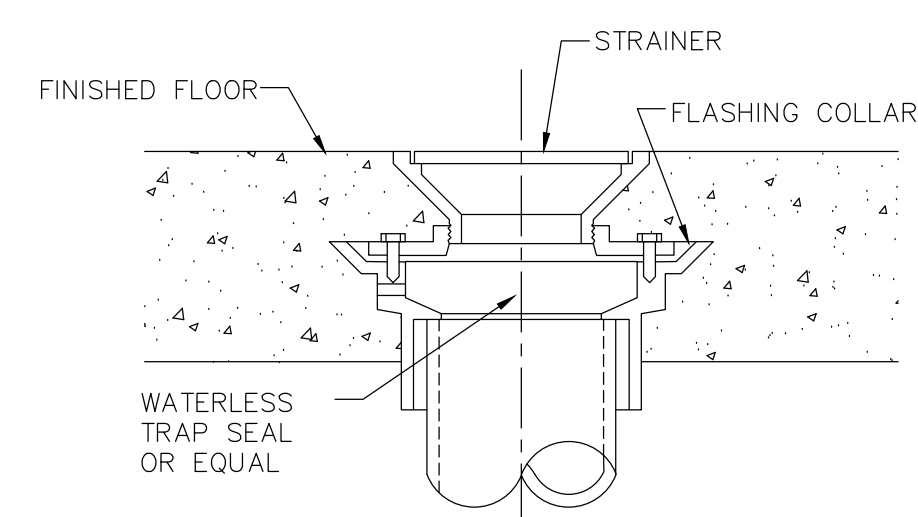
TYPICAL SANITARY WASTER DRAIN RISER – TOILET ROOM



ALTERNATE POINT-OF-USE
WATER HEATER DETAIL



FLOOR DRAIN TRAP DETAIL
NOT TO SCALE



FLOOR DRAIN DETAIL
NOT TO SCALE

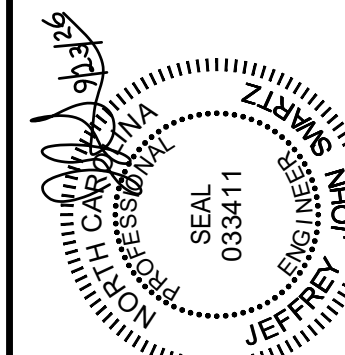
- TRAP PRIMER NOTES
1. PROVIDE TRAP PRIMER VALVES FOR ALL INTERIOR FLOOR DRAINS AND HUB DRAINS WITHOUT A HOSE BIBB IN THE VICINITY (I.E. NOT NEEDED FOR GARAGE AND RESTROOM FLOOR DRAINS). SEE FLOOR AND TRENCH DRAIN NOTES. TRAP SEAL PROTECTION DEVICE MAY BE PROVIDED IN LIEU OF PRIMERS WHERE APPROVED.
 2. TRAP PRIMER VALVES SHALL BE SIOUX CHIEF PRIME PERFECT SERIES 695, OR EQUAL.
 3. CONNECT TRAP PRIMER VALVE TO CW LINE: 1/2" MIN. - 3" MAX.
 4. PROVIDE SIOUX CHIEF WYE SPLITTER AND/OR DISTRIBUTOR FOR TRAP PRIMER VALVES SERVING MORE THAN ONE FLOOR DRAIN.
 5. MAXIMUM OF EIGHT FLOOR DRAINS MAY BE SERVED BY ONE TRAP PRIMER VALVE.

[illegible]

PROJECT MANAGER:		JJ	
DESIGN BY:	JJS	CHECKED BY:	JJS
DRAWN BY:	JJS	CHECKED BY:	JJS

<u>CLIENT/APPLICANT</u> TOWN OF TAYLORSVILLE NATHAN HESTER, MPA, NCCED TOWN MANAGER 67 MAIN AVENUE DRIVE TAYLORSVILLE, NC 28781 828-624-2158 828-455-7218	<u>SHEET TITLE</u>
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PLANS PREPARED BY:
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jeff@swde-llc.com



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jjspe@bellsouth.net
"Designs without boundaries"

- THIS ELECTRICAL PLAN IS BASED UPON TYPICAL ASSUMPTIONS. ACTUAL ELECTRICAL PLAN MAY VARY BASED UPON SELECTED EQUIPMENT BY TENANT. EC IS RESPONSIBLE FOR INSTALLATION OF ALL ELECTRICAL EQUIPMENT, PANELS AND WIRING IN ACCORDANCE WITH NEC 2020.

Floor plan of the second floor showing restrooms and a central hallway. The plan includes labels for 'WOMEN'S RESTROOM', 'MEN'S RESTROOM', 'WALL HEATER', 'INTERMITTENT EXHAUST FAN THROUGH ROOF', 'FOLD ON CHANGE TABLE', 'EXIT', 'SSS', 'GFCI', and '500W WALL HEATER'. A note on the right states: 'ALL EXTERIOR LIGHTING TO BE ON DUSK TO DAWN SENSOR TYP.'

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

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**PROPOSED BATHROOM
 FOR TOWN OF
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 100 MATHESON PARK AVENUE
 TAYLORSVILLE, NC 28681
 ALEXANDER COUNTY, NORTH CAROLINA**

SEAL
 NORTH CAROLINA
 JEFFREY JOAN
 035411
 ENGINEERING

PLANS PREPARED BY:
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CHECKED BY:
 JJS

1. A TACTILE SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EGRESS STAIRWAY, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.
2. PREMISES IDENTIFICATION THAT MEETS THE REQUIREMENTS OF NFCC 505.1 SHALL BE PRESENT. THIS WILL BE VERIFIED AT THE TIME OF THE FINAL INSPECTION BY THE FIRE MARSHALL.
3. THE AREA OF RESCUE (IF APPLICABLE) INTO THE FIRE ALARM SYSTEM AND ANNUNCIATOR PANEL.
4. FIRE ALARM (IF INSTALLED) AND SPRINKLER PLANS MUST BE SUBMITTED FOR REVIEW SEPARATELY WITH TWO COPIES OF THE PLANS BEING SUBMITTED. FIRE ALARM AND SPRINKLER PLANS WILL BE PERMITTED SEPARATELY.
5. PER THE NEW 2018 FIRE CODE SECTION 510 REQUIREMENTS, FIRE ALARM AND SPRINKLER COMPANY SHALL SUBMIT PLANS AND INFORMATION REGARDING THE REQUIREMENT OF THE FIRST RESPONDER RADIO COMMUNICATION SYSTEM. THIS WILL NEED TO BE SUBMITTED AND PERMITTED SEPARATELY. IF YOU HAVE QUESTIONS REGARDING THIS REQUIREMENT PLEASE CONTACT THE LINCOLN COUNTY FIRE DEPARTMENT.
6. KNOX BOX IF REQUIRED, PLEASE CONTACT FIRE MARSHALL FOR ORDERING INFORMATION.
7. EC/MC TO PROVIDE DUCT DETECTORS WHEN REQUIRED.
8. FIRE DEPARTMENT ACCESS MUST BE WITHIN 150FT OF ALL PORTIONS OF THE BUILDINGS. BOLLARDS SHALL NOT BE LOCATED AS TO RESTRICT FIRE APPARATUS ACCESS AROUND THE BUILDING.



1. RAISED CHARACTERS & BRAILLE.
2. BOTTOM OF RAISED CHARACTERS 48" MIN A.F.F.
3. TOP OF RAISED CHARACTERS 60" MAX A.F.F.
4. CENTER SIGN 9" FROM EDGE OF DOOR SWING.

EMERGENCY LIGHTING WITH BATTERY BACK-UP SHALL BE CONNECTED TO THE CLOSEST LIGHTING CIRCUIT AHEAD OF ANY SWITCHES TO ALLOW FOR ACTIVATION IF A BRANCH CIRCUIT LOOSES POWER [NEC 700.12(F)(2)(3)].

1. ELECTRICAL CONTRACTOR AND MECHANICAL CONTRACTOR SHALL MEET AND DISCUSS ALL EQUIPMENT TYPES, REQUIRED LOADS, REQUIRED OVER CURRENT PROTECTION PRIOR TO ORDERING AND INSTALLING EQUIPMENT AND ELECTRICAL PANELS.

2. ELECTRICAL CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES REQUIRING ELECTRICAL FEEDS AND CONNECTIONS. EC TO DISCUSS ALL EQUIPMENT TYPES, REQUIRED LOADS, REQUIRED OVER CURRENT PROTECTION WITH ALL OTHER TRADES PRIOR TO ORDERING AND INSTALLING EQUIPMENT AND ELECTRICAL PANELS.

3. EC TO CONTACT ENGINEER WITH ANY ITEMS NOT ACCOUNTED FOR ON THIS PLAN OR AS DISCUSSED WITH OTHER TRADES PRIOR TO ORDERING AND INSTALLING ELECTRICAL EQUIPMENT.

4. EC TO REPORT ALL PLAN DISCREPANCIES TO ENGINEER.

1. ALL WIRING MUST COMPLY WITH ARTICLE 210 OF NEC.
2. ALL VERTICAL PENETRATIONS TO BE CAULKED WITH FIRE-RATED CAULK.
3. SMOKE AND HEAT DETECTORS TO BE 110V INTERCONNECTED WITH BATTERY BACKUP.
4. ALL WET LOCATIONS TO BE GFI.
5. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE ELECTRICAL CONTRACTOR (EC) AT SITE. DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
6. ELECTRICAL DRAWINGS REPRESENT DESIGN/LAYOUT INTENT ONLY. EC SHALL DETERMINE CIRCUITING, RISER DIAGRAMS, EQUIPMENT/CONTROL WIRING, ETC AS REQUIRED BY APPLICABLE CODES, LOCAL UTILITY COMPANY AND INSPECTION DEPARTMENTS.
7. ALL ELECTRICAL AND RELATED WORK SHALL CONFORM TO THE 2020 EDITION OF THE NATIONAL ELECTRIC CODE. WORK SHALL BE INSPECTED AND APPROVED BY THE LOCAL ELECTRICAL INSPECTOR OR A BUREAU OF FIRE UNDERWRITERS.
8. ELECTRICAL WORK SHALL COMPLY WITH FEDERAL, STATE, COUNTY, AND LOCAL CODES AND REGULATIONS FOR PREVENTION OF FIRE AND PANIC, LATEST EDITION AND AMENDMENTS FOR EMERGENCY LIGHTING.
9. EC SHALL COORDINATE INSTALLATION OF SPECIAL EQUIPMENT WITH RESPECTIVE MANUFACTURERS OF PRODUCT OR SYSTEM BEING INSTALLED. EC SHALL VERIFY ALL EQUIPMENT LOCATIONS AND REQUIREMENTS PRIOR TO STARTING WORK. ALL INSTALLATIONS SHALL COMPLY WITH MANUFACTURERS SPECIFICATIONS.
10. NO INFORMATION SHOWN ON THESE DRAWINGS SHALL BE CONSTRUED AS TO CONFLICT WITH ANY NATIONAL, STATE, MUNICIPAL, OR LOCAL LAWS OR REGULATIONS GOVERNING THE INSTALLATION OF WORK SPECIFIED.
11. EC TO COORDINATE POWER AND DATA REQUIREMENTS AT WORK STATIONS WITH GENERAL CONTRACTOR AND OWNER.
12. EC TO COORDINATE POWER REQUIREMENTS FOR COMPUTER EQUIPMENT WITH GENERAL CONTRACTOR AND OWNER.
13. EC OR OWNER SHALL PROVIDE ALL NECESSARY FEES AND PERMITS INCLUDING CERTIFICATE OF ELECTRICAL INSPECTION.
14. ALL WIRING SHALL BE CONCEALED IN FINISHED AREAS. USE OF NM AND OR MC CABLE IN CONCEALED AREAS SHALL BE PER N.E.C., LOCAL CODES AND INSPECTION AGENCY APPROVAL OTHERWISE, USE EMT CONDUIT, MINIMUM 1/2" UNLESS OTHERWISE NECESSARY.
15. ALL WIRING SHALL BE COPPER #12 THWN/THHN MINIMUM UNLESS OTHERWISE NECESSARY. ALL GROUND WIRES SHALL BE COPPER.
16. THE FOLLOWING SHALL BE IN HEAVY WALL CONDUIT:
 - A. ALL FEEDERS THAT RUN IN SLAB MAY BE PVC SCHEDULE 40.
 - B. WHERE REQUIRED BY N.E.C.
 - C. WIRING ON ROOF EXPOSED — SEAL PROPERLY.
 - D. EXTERIOR ABOVE GRADE WIRING.
17. THE FOLLOWING SHALL BE IN EMT:
 - A. BRANCH FEEDERS TO PANELS.
 - B. TELEPHONE, TV AND COMPUTER SYSTEM (IN WALLS TO ABOVE DROPPED CEILING OR WHERE EXPOSED).
 - C. BRANCH RACEWAY RUN EXPOSED.
 - D. OTHER AS REQUIRED BY CODE.
18. ALL ELECTRICAL ITEMS FURNISHED BY OTHERS SHALL BE CONNECTED BY THE EC COORDINATED WITH OTHER CONTRACTORS.
19. ALL WIRING SHOWN ON DRAWINGS IS DIAGRAMMATIC. EXACT WIRING, ROUTES, LOCATION, ETC TO BE DETERMINED IN FIELD.
20. ALL PANELBOARDS AND DISTRIBUTION EQUIPMENT SHALL BE EQUIPPED WITH NEW PANEL SCHEDULES AND NAMEPLATES TO CLEARLY DEFINE EQUIPMENT SERVED.
21. EC TO PROVIDE TEMPORARY LIGHT AND POWER WIRING AS REQUIRED FOR CONSTRUCTION.
22. EC TO COORDINATE POWER, PHONE AND COMPUTER LOCATIONS WITH SITE SUPERVISOR AND OWNER.

THIS ELECTRICAL PLAN IS BASED UPON TYPICAL ASSUMPTIONS. ACTUAL ELECTRICAL PLAN MAY VARY BASED UPON SELECTED EQUIPMENT BY TENANT. EC IS RESPONSIBLE FOR INSTALLATION OF ALL ELECTRICAL EQUIPMENT, PANELS AND WIRING IN ACCORDANCE WITH NEC 2020.



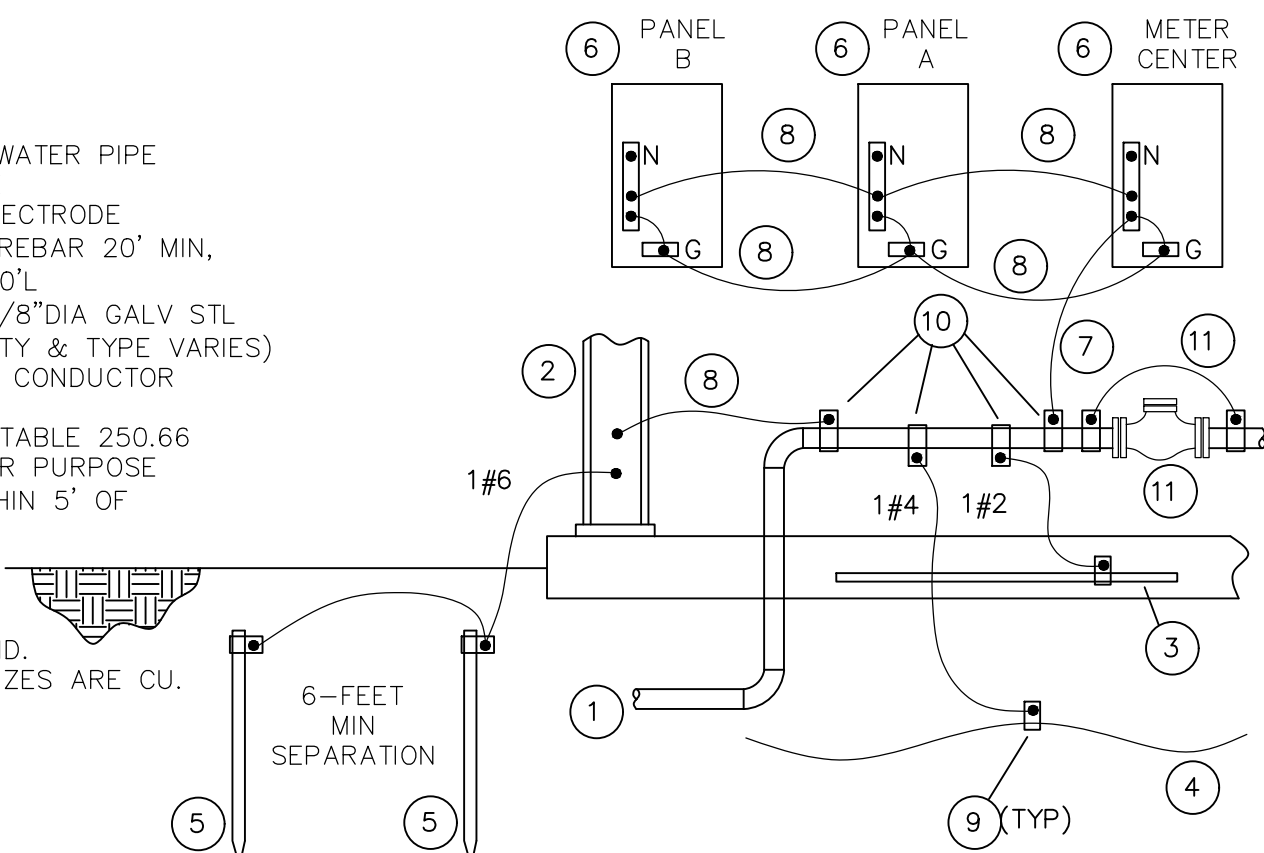
1. EC SHALL DOCUMENT WHICH MEANS OF GROUNDING HAS BEEN INSTALLED FOR THIS INSTALLATION AS PRESCRIBED BY NEC 250.50 (1) THRU (8) AS FOLLOWS:

- 1) UNDERGROUND METAL WATER PIPE: YES ____ NO ____
- 2) BUILDING METAL FRAME: YES ____ NO ____
- 3) CONCRETE ENCASED ELECTRODE: YES ____ NO ____
- 4) GROUNDING RING: YES ____ NO ____
- 5) ROD OR PIPE ELECTRODES: YES ____ NO ____
- 6) OTHER LISTED ELECTRODES: YES ____ NO ____
- 7) PLATE ELECTRODES: YES ____ NO ____
- 8) OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES: YES ____ NO ____

WHERE (1), (2) OR (3) ABOVE DO NOT EXIST, ONE OR MORE OF ITEMS (4) THRU (8) SHALL BE INSTALLED AND USED.

2. ALUMINUM GROUNDING CONDUCTOR SHALL NOT BE TERMINATED WITHIN 18" OF GRADE PER NEC 250.120B.

NEC TABLE 250.66		
SERVICE CONDUCTOR	AWG SIZE OF GROUNDING ELECTRODE	
	CU	AL
UP TO 2/0	8	6
1 OR 1/0	6	4
2/0 OR 3/0	4	2
3/0 THRU 350	2	1/0
400 THRU 600	1/0	2/0
700 THRU 1100	2/0	4/0
OVER 1100	3/0	250



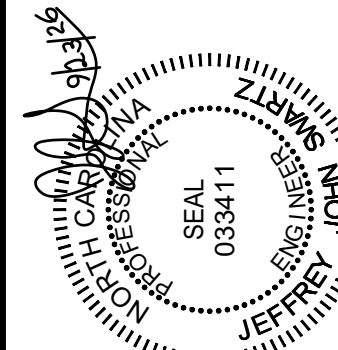
BONDING & GROUNDING DETAIL

[illegible]

PROJECT MANAGER:	JJ
DESIGN BY:	JJS
CHECKED BY:	JJS
DRAWN BY:	JJS
CHECKED BY:	JJS

CLIENT/APPLICANT	TOWN OF TAYLORSVILLE NATHAN HESTER, MPA, NCCED TOWN MANAGER 67 MAIN AVENUE DRIVE TAYLORSVILLE, NC 28781 828-624-2158 828-455-7218
SHEET TITLE	

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FINAL DRAWING — FOR CONSTRUCTION

