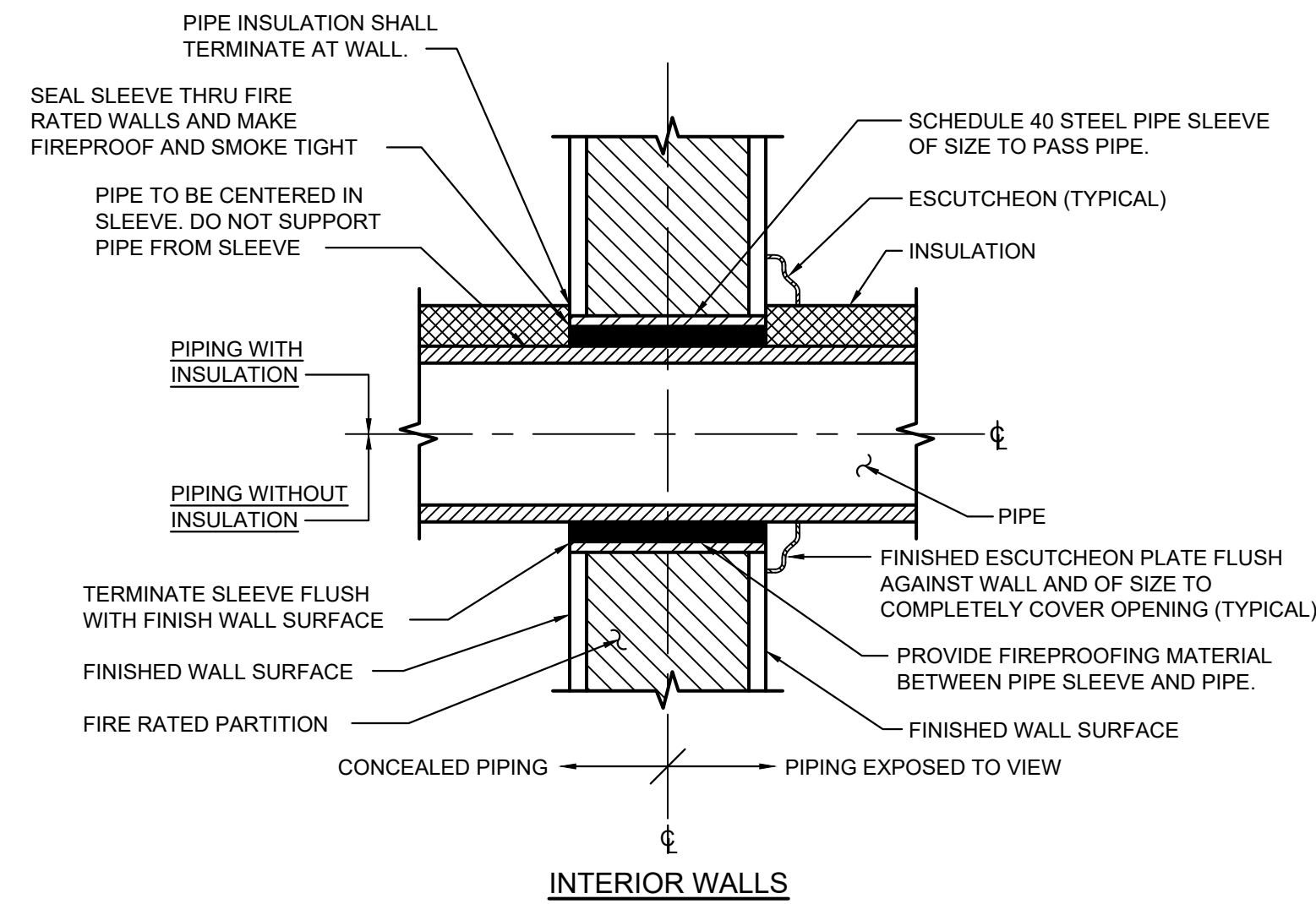
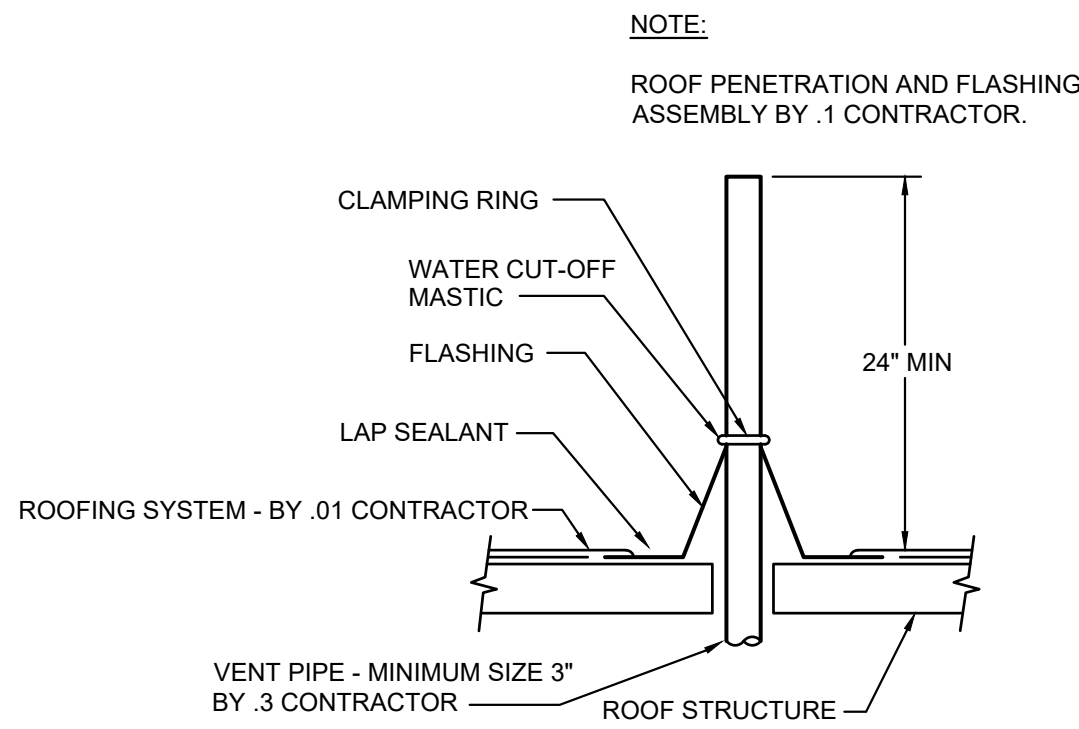


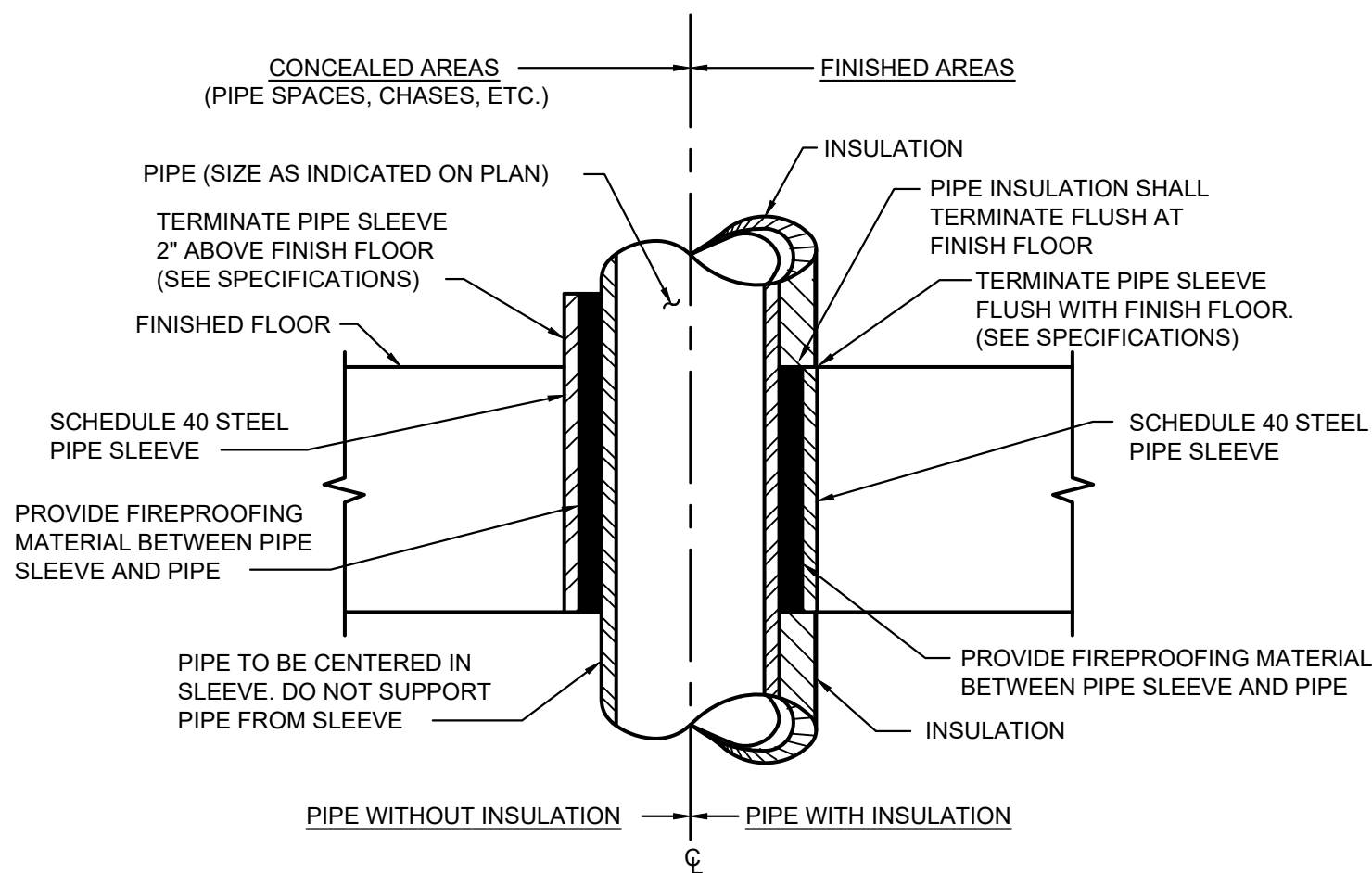
1  
P001  
**DETAIL OF CLEANOUTS**  
NOT TO SCALE



3  
P001  
**PIPE SLEEVE THRU WALL DETAIL**  
NOT TO SCALE



2  
P001  
**TYPICAL PLUMBING VENT THRU ROOF DETAIL**  
NOT TO SCALE



4  
P001  
**PIPE SLEEVE THRU FLOOR DETAIL**  
NOT TO SCALE

NOTE:  
THE .1 GENERAL CONTRACTOR SHALL COORDINATE ALL PENETRATIONS AROUND THE EXISTING CONCRETE STRUCTURAL BEAMS. (TYPICAL)

## PLUMBING GENERAL NOTES:

- ALL PLUMBING WORK, ASSOCIATED EQUIPMENT AND MATERIALS SHALL BE CONSIDERED TO BE BB #1 UNLESS OTHERWISE NOTED. (TYPICAL)
- THE DRAWINGS ARE DIAGRAMMATIC AND SHOW ONLY THE GENERAL ARRANGEMENTS OF PIPING AND EQUIPMENT. ALL OFFSETS, FITTINGS, AND ACCESSORIES ARE NOT SHOWN, WHICH MAY BE REQUIRED TO AVOID STRUCTURAL FEATURES.
- DO NOT SCALE DRAWINGS - ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE. NOTIFY ENGINEER AND/OR ARCHITECT OF ANY DEVIATIONS FROM THE DRAWINGS.
- REPORT ANY DISCREPANCIES FOUND IN THE DRAWINGS AND/OR IN THE SPECIFICATIONS DURING THE BIDDING PROCESS FOR CLARIFICATION BY THE ENGINEER AND/OR ARCHITECT.
- ALL WORK THAT IS TO BE PERFORMED UNDER AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN COMPLIANCE WITH ALL PERTINENT CODES, RULES, ORDINANCES, AND REGULATIONS OF THE LOCAL GOVERNING AUTHORITIES, STATE GOVERNING AUTHORITIES AND NATIONAL GOVERNING AUTHORITIES.
- ALL WORK THAT IS TO BE PERFORMED UNDER AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN STRICT COMPLIANCE WITH THE LATEST OSHA SAFETY AND HEALTH STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE GENERAL CONTRACTOR AND UTILITY AUTHORITIES FOR INSTALLATION REQUIREMENTS, REGULATIONS, FEES, PERMITS AND APPROVALS AS NECESSARY TO COMPLETE THE UTILITY INSTALLATION.
- ALL PIPE PENETRATIONS THROUGH CHASE, WALLS OR FLOORS WHICH ARE FIRE-RATED, SHALL BE PROPERLY SEALED TO MAINTAIN FIRE PROTECTION. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR THE LOCATIONS AND RATING OF WALLS, FLOORS AND CEILINGS WITH SUBMITTAL OF ALL PROPOSED "UL" LISTED PENETRATION / SEALANT SYSTEMS FOR APPROVAL. THE .3 CONTRACTOR SHALL REFERENCE THE ARCHITECTURAL DRAWINGS TO IDENTIFY THE RATING OF ALL FLOORS, WALLS AND CEILINGS TO PROVIDE THE PROPER SLEEVES, SEALS AND FIREPROOFING MATERIALS AT ALL PIPE PENETRATION LOCATIONS. (TYPICAL)
- ALL WORK TO BE LOCATED AND COORDINATED WITH ARCHITECTURAL DRAWINGS, SPECIFICATIONS AND OTHER CONTRACTORS.
- ALL WORK IN FINISHED AREAS SHALL BE CONCEALED ABOVE CEILINGS, BELOW FLOORS AND IN WALLS, EXCEPT THE BASEMENT FLOOR, WHERE IT WILL GENERALLY BE EXPOSED.
- THE REMOVAL AND CLEANUP OF ALL DEBRIS ASSOCIATED WITH WORK THAT IS TO BE PERFORMED BY THE PLUMBING CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF PLUMBING PIPING AND EQUIPMENT WITH ALL HVAC PIPING, DUCTWORK, HVAC EQUIPMENT, ELECTRICAL CONDUIT AND ELECTRICAL EQUIPMENT THAT IS TO BE INSTALLED BY OTHER CONTRACTORS.
- THE CONTRACTOR SHALL LOCATE UNDERGROUND PIPING WITHIN LIMITS OF THE STRUCTURE IN COORDINATION WITH THE GENERAL CONTRACTOR, TO ASSURE NO FOOTING WILL BE UNDERMINED BY TRENCHING. ANY PIPING TRENCH SHALL BE LOCATED SO THE TRENCH EDGE IS NOT CLOSER TO ANY STRUCTURAL FOOTING THAN 1 1/2 TIMES THE VERTICAL DISTANCE FROM TRENCH BOTTOM TO FOOTING BOTTOM. IN ANY EVENT THIS CONDITION IS NOT MET, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING THE PIPING TO FILL THE TRENCH WITH LEAN CONCRETE, AFTER PIPING IS INSTALLED, TO AN ELEVATION WHERE THE SURFACE OF THE CONCRETE SHALL BE NOT CLOSER TO ANY FOOTING THAN TWICE THE VERTICAL DISTANCE BETWEEN FOOTING BOTTOM AND THE CLOSEST EDGES OF THE CONCRETE POURED IN THE TRENCH.
- WHERE EXCAVATIONS FOR PIPING EXTEND UNDER AND PERPENDICULAR TO A WALL FOOTING, THE CONTRACTOR INSTALLING THE PIPING SHALL FILL THE TRENCH WITH CONCRETE SOLIDLY TO BOTTOM OF FOOTING FOR A TRENCH LENGTH OF 3'-0" BEYOND EACH WALL FACE.
- ALL WATER LINES IN EXTERIOR WALLS SHALL BE INSULATED AND LOCATED WITHIN THE INSULATION ENVELOPE OF THE BUILDINGS EXTERIOR WALL.
- INSTALL WALL HYDRANTS AT A MINIMUM OF 2'-0" ABOVE FINISHED GRADE, UNLESS OTHERWISE INDICATED.
- SET ALL FLOOR AND FUNNEL DRAINS OVER P-TRAPS, UNLESS SPECIFIED OTHERWISE.
- ALL FLOOR AND FUNNEL DRAINS TO BE INSTALLED WITH TRAP PRIMER CONNECTION AND TRAP PRIMER VALVES. PROVIDE 1/8" PER FOOT SLOPE ON ALL TRAP PRIMER LINE SUPPLYING DRAINS. PROVIDE PIPE SLEEVES FOR ALL TRAP PRIMER LINES INSTALLED BELOW SLAB ON GRADE.
- THE CONTRACTOR SHALL REFER TO APPLICABLE CODES FOR ACCEPTABLE DRAINAGE SYSTEM FITTINGS.
- DIELECTRIC UNIONS AND FLANGES SHALL BE USED ON ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
- ALL HORIZONTAL PIPING ABOVE CEILING, AT CEILING OR BELOW FLOOR SHALL BE INSTALLED (AS HIGH AS POSSIBLE) TIGHT TO UNDERSIDE OF SLAB/STRUCTURE WITH SPACE FOR INSULATION AND HANGERS AS REQUIRED, UNLESS LINES ARE RUN BELOW SLAB ON GRADE.
- MEANS OF ACCESS SHALL BE PROVIDED TO CONCEALED TRAPS, VALVES, CLEANOUTS, DRAIN POINTS OR SIMILAR ITEMS. CONTRACTORS SHALL COORDINATE THE LOCATIONS AND QUANTITIES OF ALL ACCESS PANELS DURING BIDDING PHASE. ACCESS PANELS WILL BE FURNISHED AND INSTALLED BY OTHERS.
- PROVIDE CLEANOUTS IN ALL GRAVITY DRAINAGE PIPING SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION, AT BASE OF STACKS AND AT 50 FOOT INTERVALS IN HORIZONTAL PIPING RUNS.
- EXTEND ALL CLEANOUTS ON GRAVITY DRAINAGE PIPING SYSTEMS INSTALLED BELOW SLAB ON GRADE TO FINISHED FLOOR LEVEL.
- ALL INTERIOR, HORIZONTAL SANITARY SEWER PIPING SYSTEMS, 4" AND LARGER, SHALL BE SLOPED AT A MINIMUM OF 1/8" PER FOOT, UNLESS NOTED OTHERWISE. ALL INTERIOR, HORIZONTAL SANITARY SEWER PIPING SYSTEMS, 3" AND SMALLER, SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- ALL INTERIOR, HORIZONTAL STORM WATER PIPING SYSTEMS, 4" AND LARGER, SHALL BE SLOPED AT A MINIMUM OF 1/8" PER FOOT, UNLESS NOTED OTHERWISE. ALL INTERIOR, HORIZONTAL STORM WATER PIPING SYSTEMS, 3" AND SMALLER, SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- ALL INTERIOR, ABOVEGROUND, HORIZONTAL AND VERTICAL STORM DRAINAGE SYSTEMS SHALL BE INSULATED AS SPECIFIED.
- ALL INTERIOR, HORIZONTAL CONDENSATE DRAIN PIPING SYSTEMS SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT, UNLESS NOTED OTHERWISE.

## PLUMBING SYMBOLS AND ABBREVIATIONS SCHEDULE

—	SANITARY SEWER LINE (SAN)	Ⓐ	GAS REGULATOR
—	STORM SEWER LINE (STM)	⊕ WH	WALL HYDRANT
—	CONDENSATE DRAIN LINE	⊕ HB	HOSE BIBB
—	CONDENSATE PUMP DISCHARGE LINE	⊕ HB	COMBINATION HOSE BIBB
—	WATER SERVICE LINE	⊕ HB	NEW CONNECTION TO EXISTING
—		⊕ HB	FUNNEL DRAIN
—		⊕ HB	FLOOR DRAIN
—		⊕ HB	ROOF DRAIN
—		⊕ HB	SUPERVISED VALVE
—		⊕ HB	PRESSURE GAUGES
—		⊕ HB	RECIRCULATING PUMP
—		⊕ HB	INDICATES NOTE LOCATED ELSEWHERE ON DRAWING AND NOTE NUMBER
—		⊕ HB	DETAIL/PLAN REFERENCE SYMBOL
—		⊕ HB	INDICATES DETAIL/PLAN NUMBER
—		⊕ HB	INDICATES DRAWING No FOR WHICH THE DETAIL/PLAN IS LOCATED
—		⊕ HB	SQUARE FOOT
—		⊕ HB	ABOVE
—		⊕ HB	BELOW
—		⊕ HB	CEILING
—		⊕ HB	ELECTRICAL CONTRACTOR (.4)
—		⊕ HB	FLOOR
—		⊕ HB	FUNNEL DRAIN
—		⊕ HB	GENERAL CONTRACTOR (.1)
—		⊕ HB	HVAC CONTRACTOR (.2)
—		⊕ HB	INVERT ELEVATION
—		⊕ HB	PLUMBING CONTRACTOR (.3)
—		⊕ HB	RAIN WATER CONDUCTOR
—		⊕ HB	SOIL STACK
—		⊕ HB	VENT STACK
—		⊕ HB	VENT THROUGH ROOF
—		⊕ HB	WATER RISER
—		⊕ HB	WASTE STACK
—		⊕ HB	CUBIC FOOT PER HOUR
—		⊕ HB	GALLONS PER MINUTE
—		⊕ HB	DRAINAGE FIXTURE UNIT
—		⊕ HB	WATER SUPPLY FIXTURE UNIT

RECORD REVISIONS			
PROFESSIONAL'S SIGNATURE DATE			
<b>UpStreet</b> ARCHITECTS, INC. 541 PHILADELPHIA ST. 911 MENOHER BLVD. INDIANA, PA 15701 JOHNSTOWN, PA 15905			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA			
D.G.S. PROJECT No. <b>C-0588-0015 PHASE 1</b>			
<b>LOYSVILLE YOUTH DEVELOPMENT CENTER- RENOVATIONS TO ZIMMERMAN- BINGAMAN (ZB) COTTAGE</b> DEPARTMENT OF HUMAN SERVICES LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA			
<b>SYMBOLS AND ABBREVIATIONS - PLUMBING</b>			
<b>VERIFY SCALE</b> BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING: 0 1 IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY		DRAWN BY S. KORMANIK CHECKED BY W. MINAHAN	
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.		DATE 27 JUNE 2023 SCALE AS NOTED	SHEET No. <b>P-001</b>