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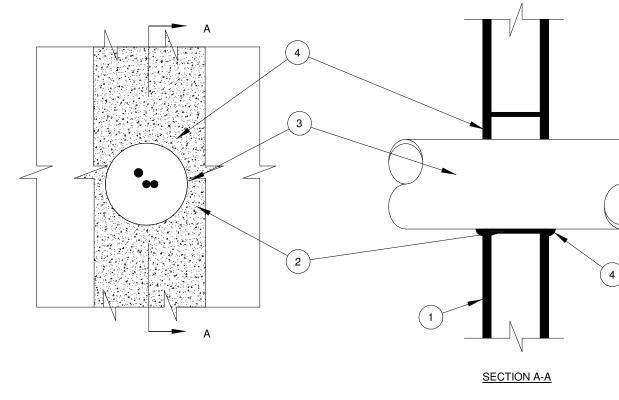
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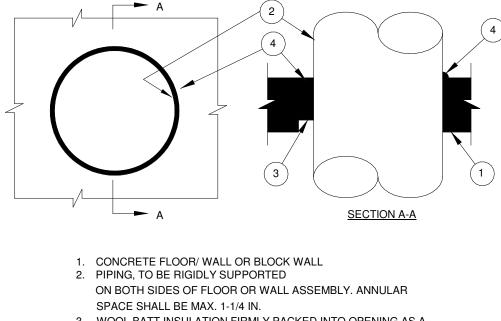


1. 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY. 2. SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE. LENGTH TO BE EQUAL TO THICKNESS OF WALL. 3. PIPING WITH ANNULAR SPACE MAX. 1-7/8 IN. PIPE TO BE RIGIDLY SUPPORTED ON BOTH

SIDES OF WALL ASSEMBLY. 4. FIRESTOP SEALANTMIN. 5/8 IN. AND 1-1/4 IN. THICKNESS FLUSH WITH BOTH SURFACES OF WALL FOR 1 OR 2 HR RATED WALLS RESPECTIVELY. MIN. 1/2 IN. DIAM BEAD APPLIED TO THE PENETRANT/WALLBOARD INTERFACE AT THE POINT CONTACT LOCATION ON BOTH SIDES OF WALL.

<u>PIPING THROUGH 1HR OR 2HR</u> **GYPSUM WALL**

UL SYSTEM NO. W-L-1164 N.T.S.



3. WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM.

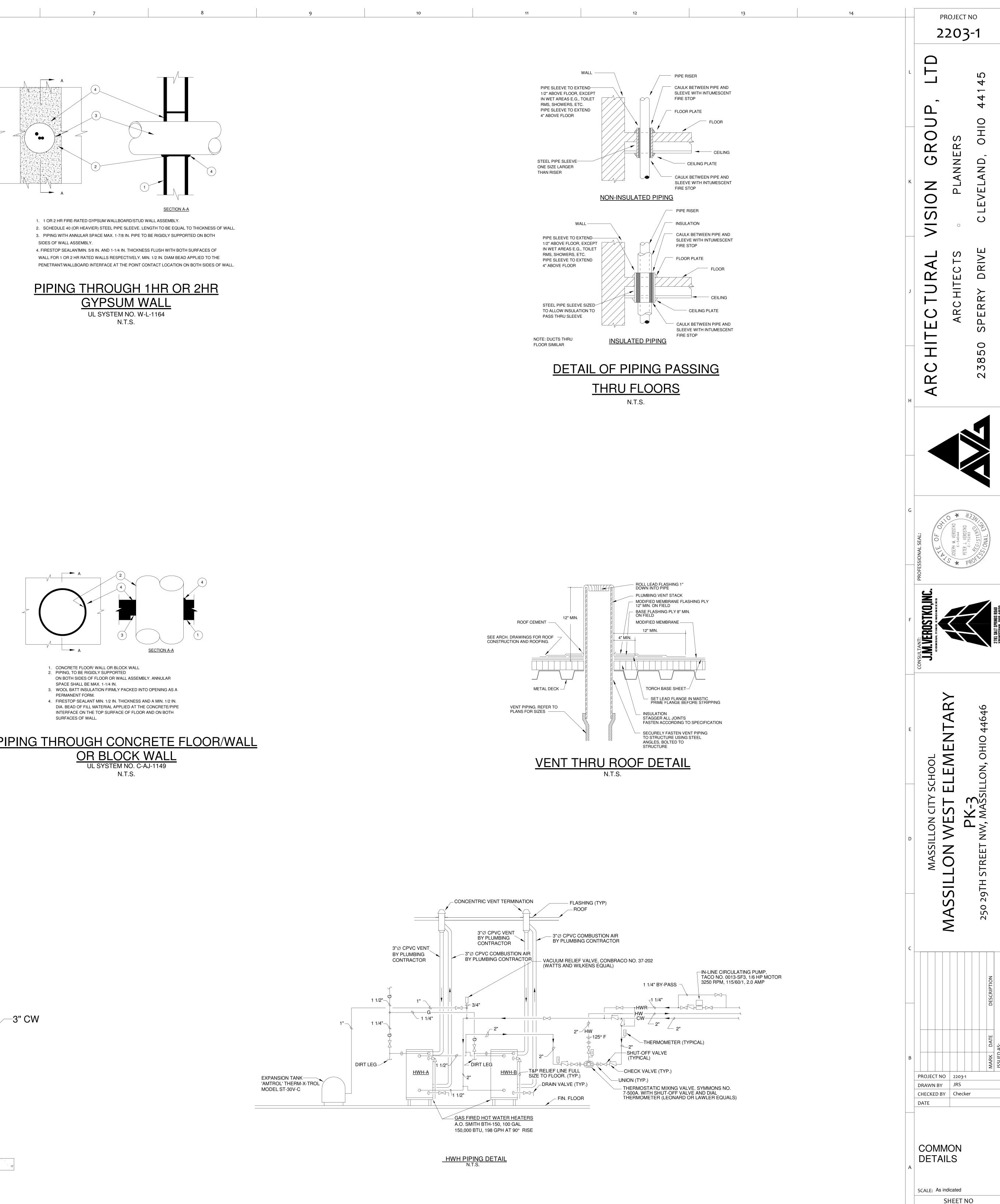
4. FIRESTOP SEALANT MIN. 1/2 IN. THICKNESS AND A MIN. 1/2 IN. DIA. BEAD OF FILL MATERIAL APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL.

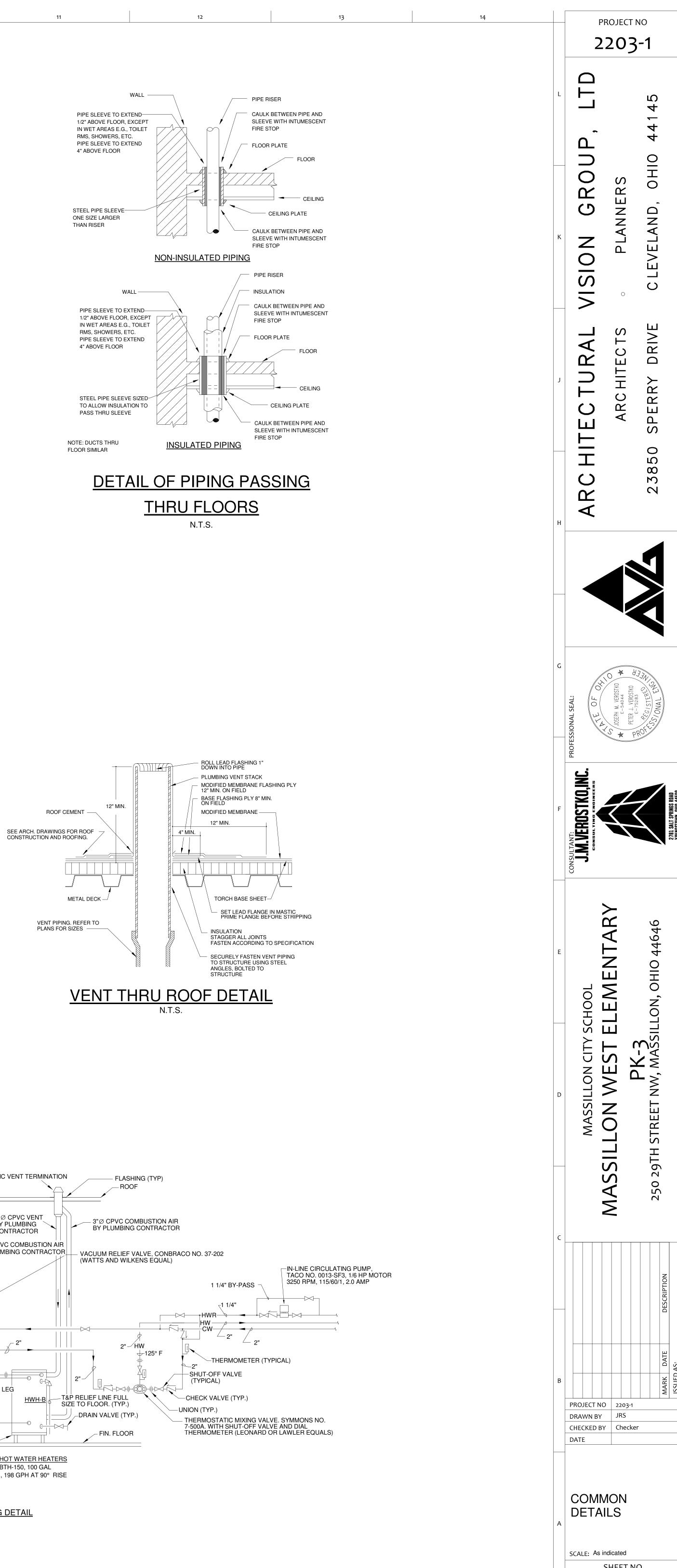
PIPING THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL UL SYSTEM NO. C-AJ-1149 N.T.S.

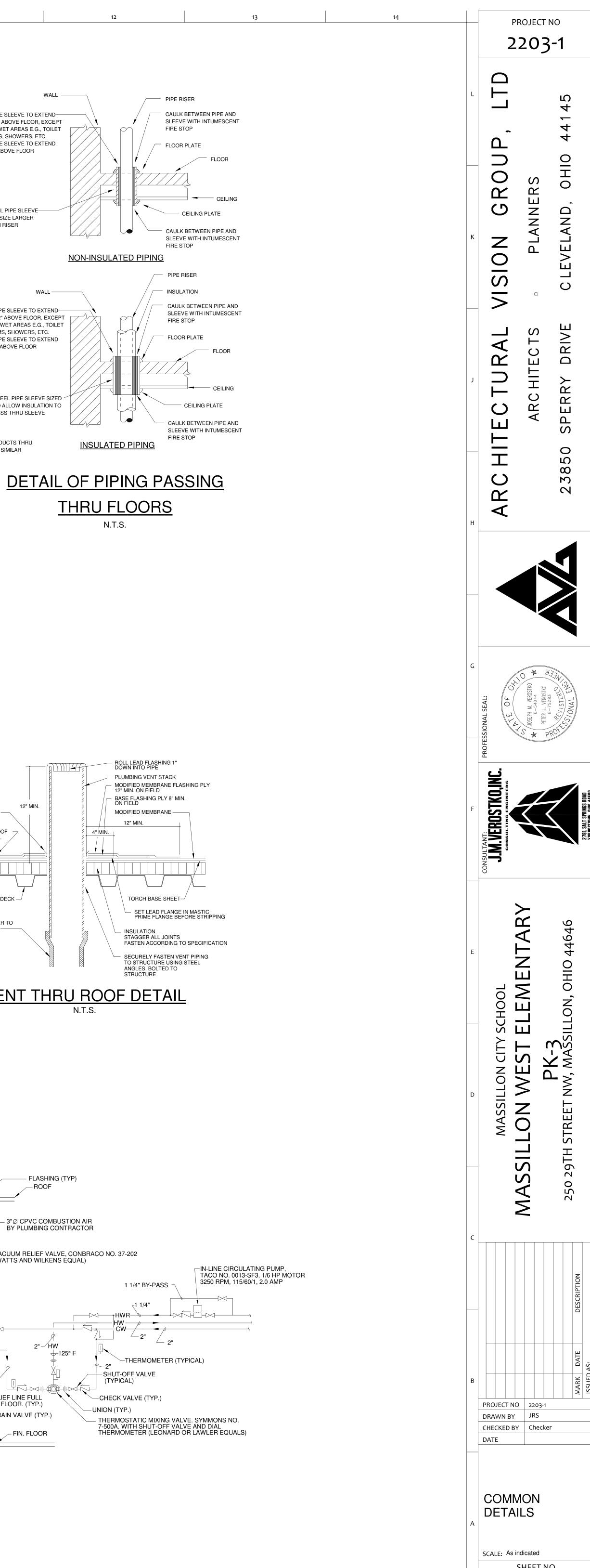
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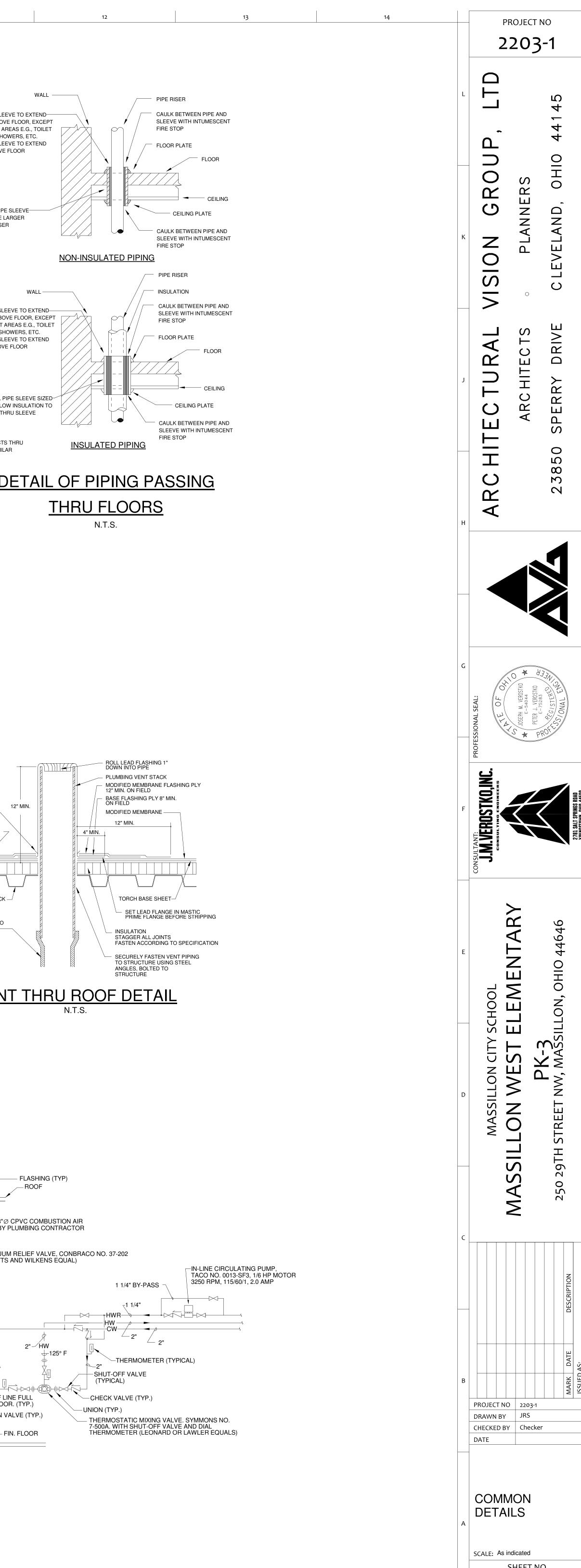
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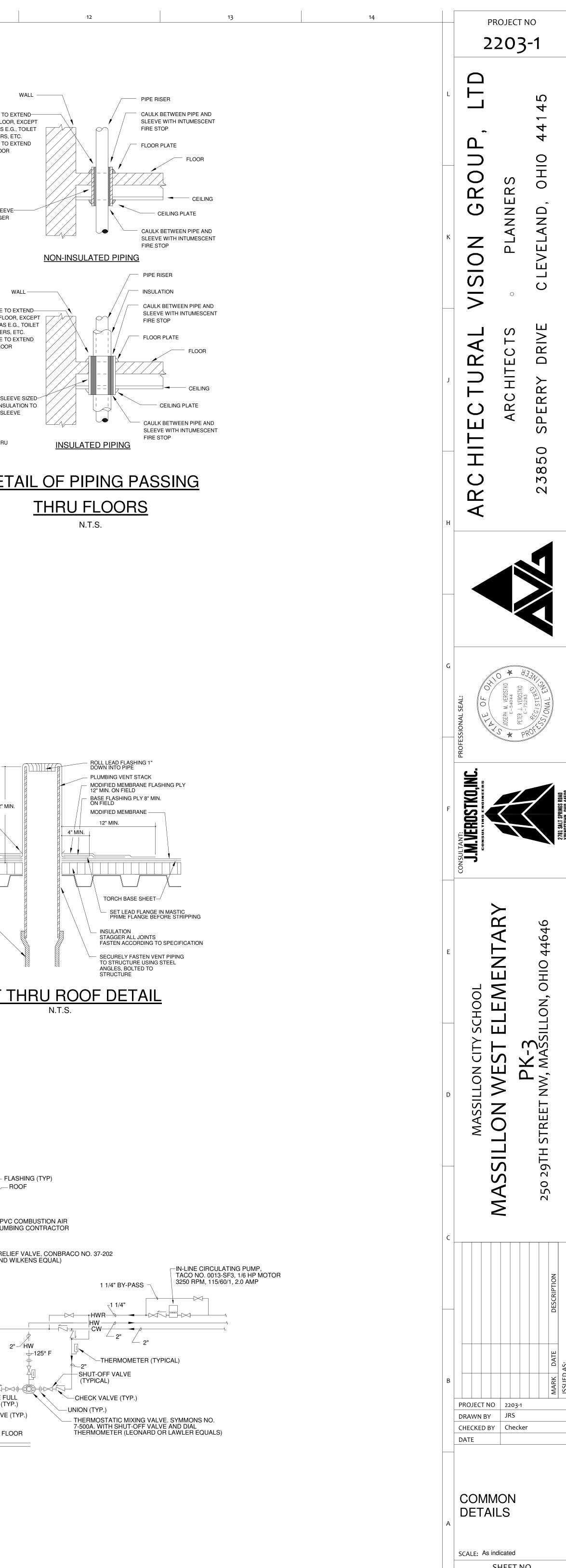
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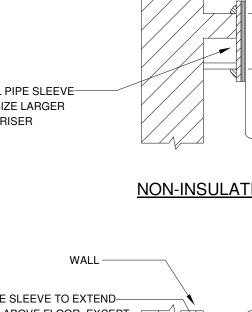












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