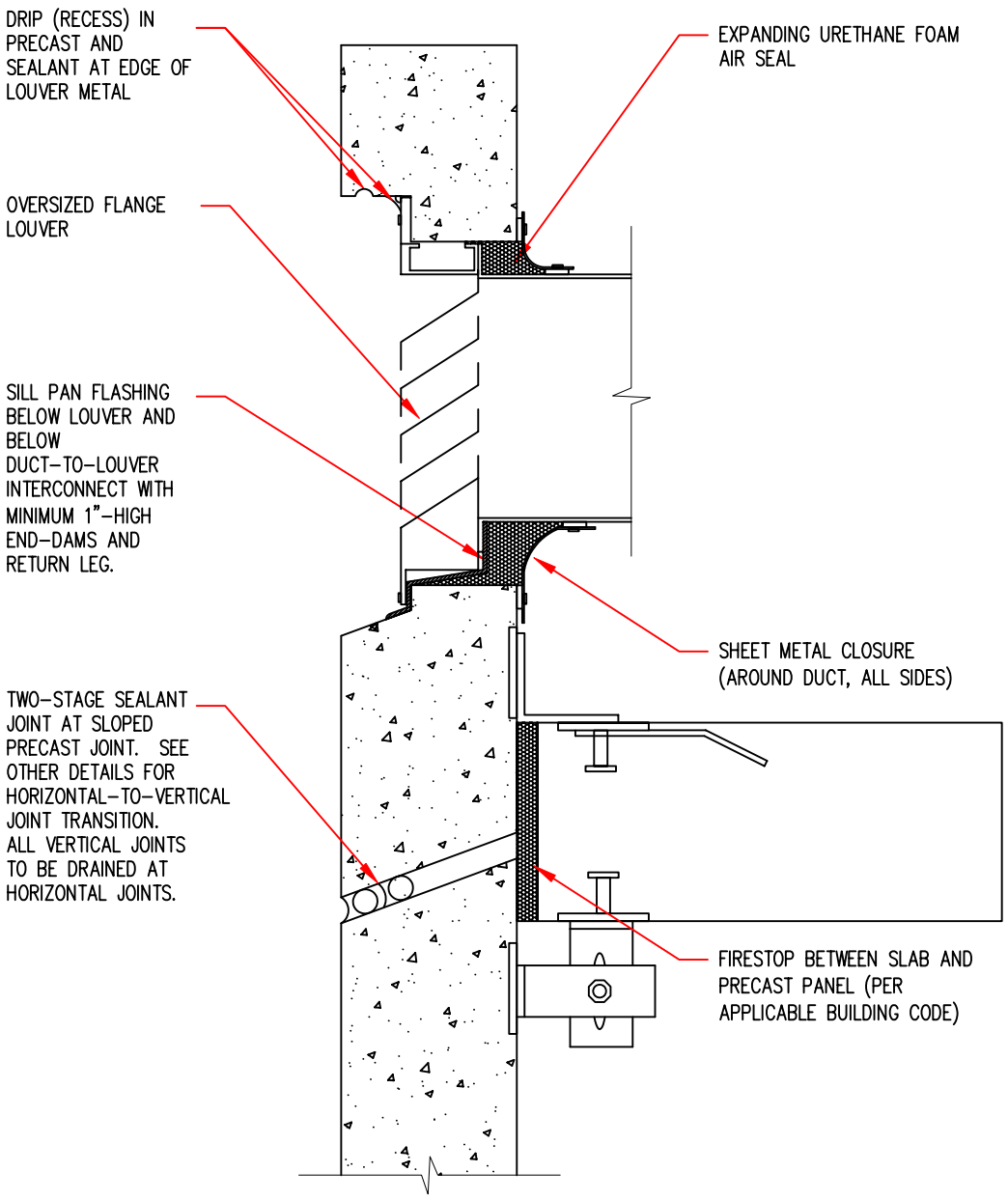

CONCEPTUAL – NOT FOR CONSTRUCTION

KEY CONCEPTS:

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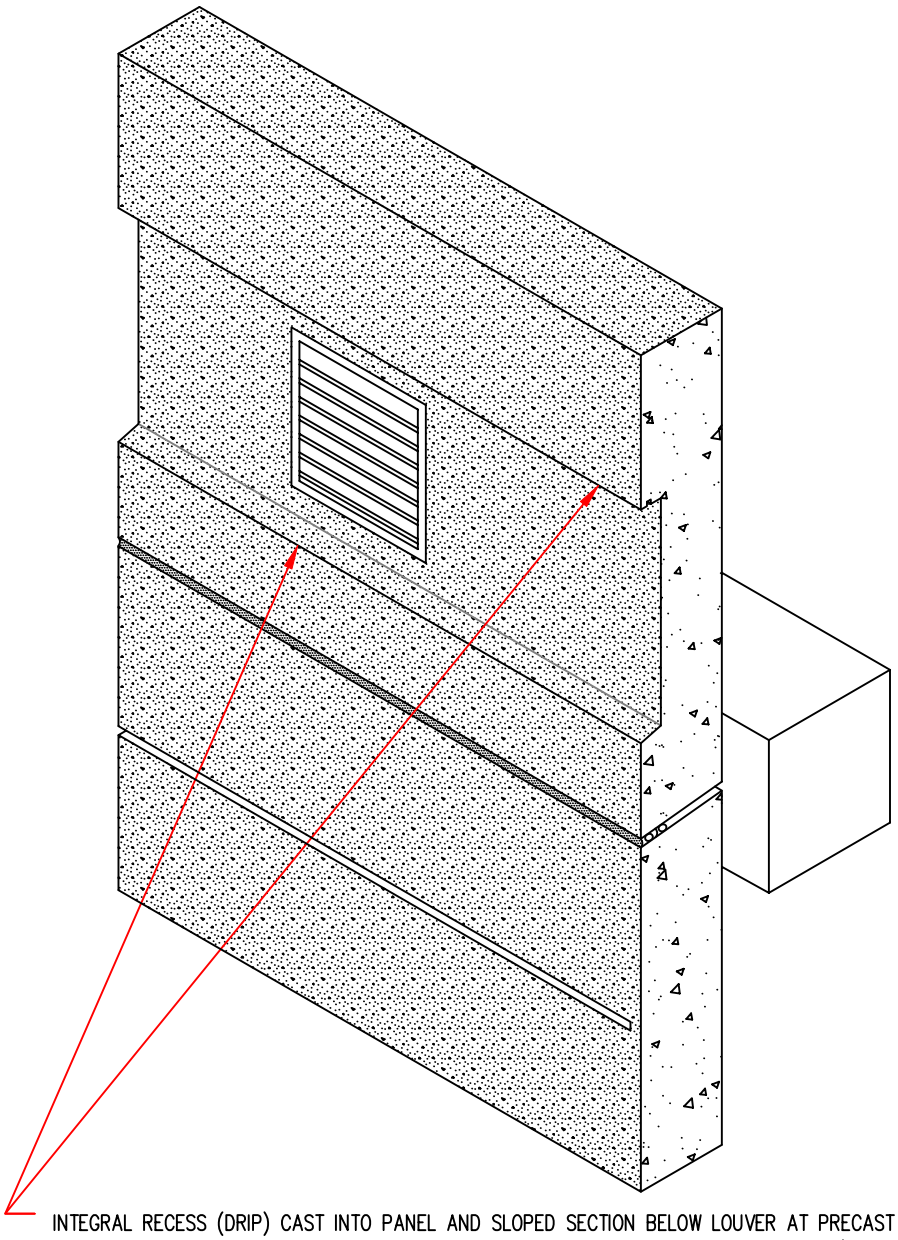
Interface conditions between building envelope materials, components and systems should be fully detailed in a manner that is both technically sound and serviceable. Detailing should, at a minimum, allow for coordination of drainage planes when two or more different wall types are used in the same facade; allow for thermal and moisture-induced changes in material properties and differential thermal movement; and allow for in-service deflection, shrinkage, creep and similar behavior considered to be within the allowable structural limits of the project without compromise to the weather-tight integrity and thermal performance of the building envelope.

The air barrier can either be formed by an exterior side air barrier or by employing the interior side airtight drywall approach.

The location of or need for a vapor retarder within wall assemblies will vary based upon climate, and can be significantly influenced by the storage capacity and vapor permeance of the materials selected for each layer of the wall system. A climate-specific, hygrothermal analysis for any wall assembly should be considered to further evaluate this concern.

See the General section of the WBDG for additional information and guidance.

ARCHITECTURAL PRECAST SQUARE PENETRATION - FLASHING DETAIL



INTEGRAL RECESS (DRIP) CAST INTO PANEL AND SLOPED SECTION BELOW LOUVER AT PRECAST PANEL RECESS FOR PRECIPITATION CONTROL. RECESSED AREA MAY BE FORMED IN A RIBBON SECTION (AS SHOWN) AS AN ARCHITECTURAL FEATURE. OTHERWISE, RECESS CAN BE CONFINED TO STRIP AT LOUVER. SEE ROUND PENETRATION DETAIL FOR LOCALIZED RECESS AREA OPTION. SEE 2-D DETAIL FOR ALL ELEMENTS USED.

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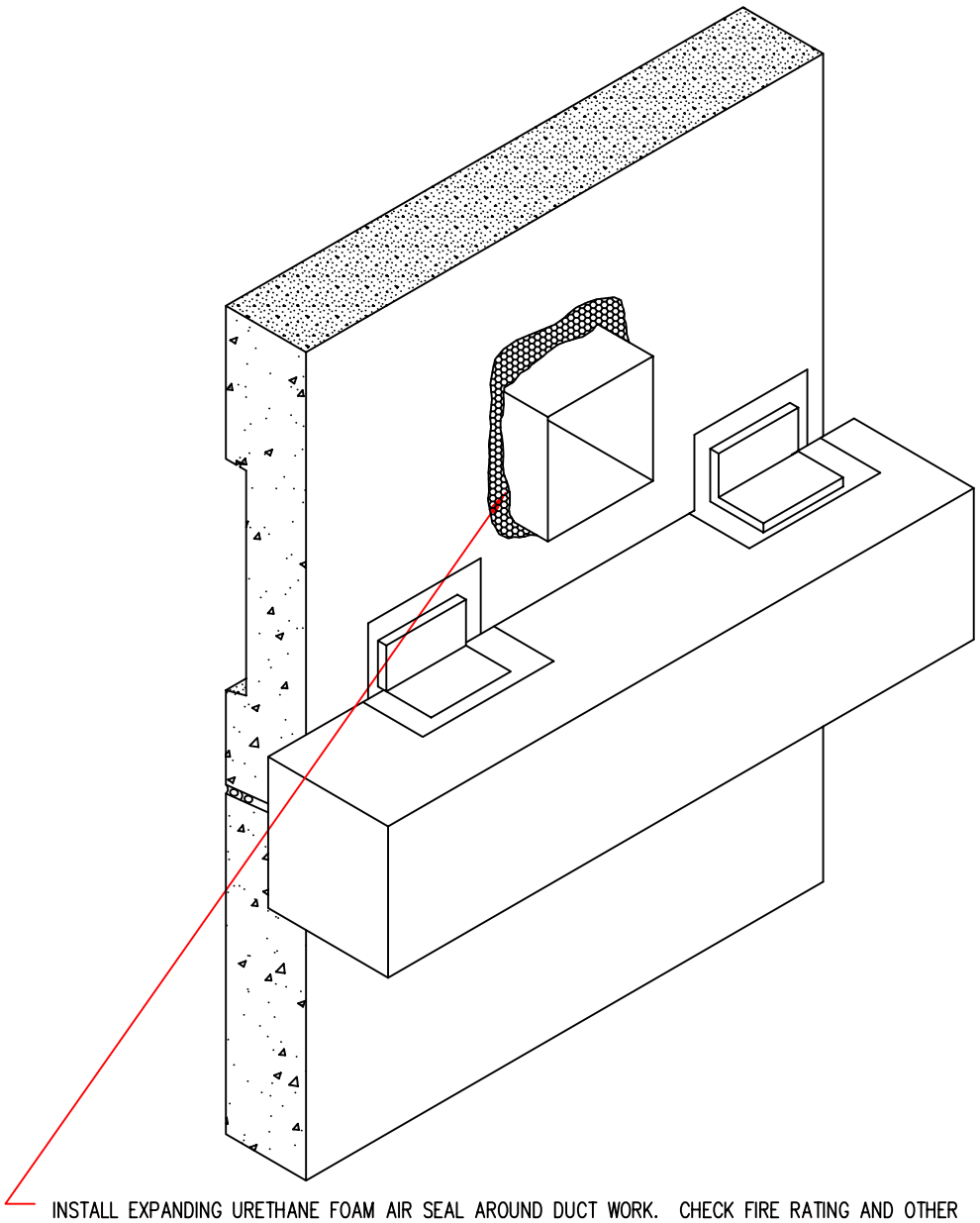
ARCHITECTURAL PRECAST SQUARE PENETRATION - EXTERIOR DETAIL



INSTALL EXPANDING URETHANE FOAM AIR SEAL AROUND DUCT WORK. CHECK FIRE RATING AND OTHER APPROPRIATE REQUIREMENTS OF THE BUILDING CODE AND ALSO CHECK WITH THE DUCT MANUFACTURER TO ENSURE MATERIAL COMPATIBILITY BETWEEN THE FOAM AND DUCT MATERIAL.

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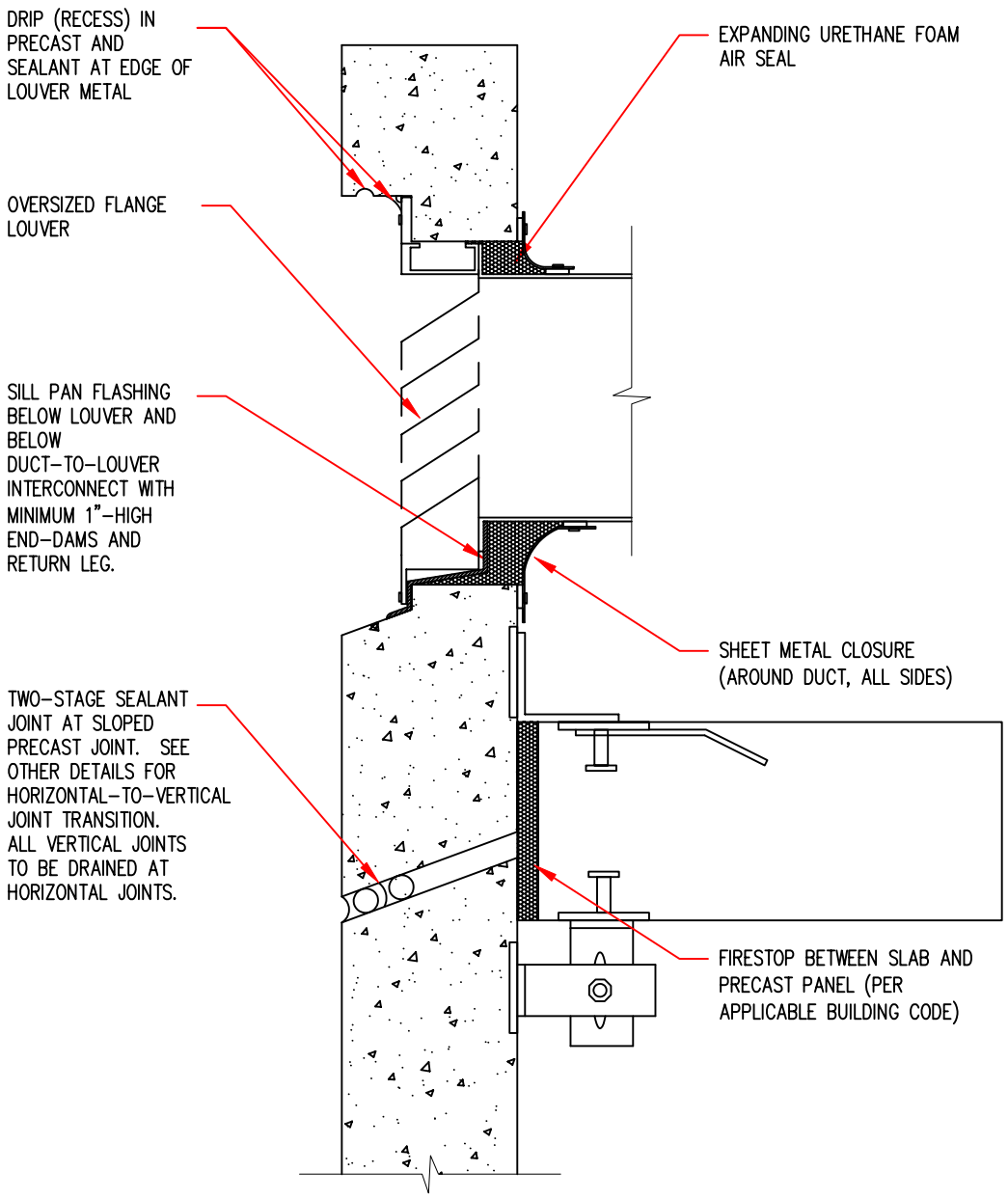
ARCHITECTURAL PRECAST SQUARE PENETRATION - INTERIOR DETAIL



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ARCHITECTURAL PRECAST SQUARE PENETRATION - FLASHING DETAIL