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**DESIGNER NOTES:**

**JOINT REINFORCEMENT**

1. RECOMMEND USING LADDER TYPE JOINT REINFORCEMENT IN LIEU OF TRUSS TYPE JOINT REINFORCEMENT TO AVOID CONFLICTS WITH VERTICAL REINFORCEMENT.
2. SPACING OF HORIZONTAL JOINT REINFORCEMENT SHALL BE DETERMINED IN ACCORDANCE WITH CMHA TECHNICAL NOTE 009. SPACING IS TYPICALLY 16" ON CENTER FOR 8 IN. NOMINAL HEIGHT UNITS AND 12" ON CENTER FOR 4 IN. NOMINAL HEIGHT UNITS.
3. RECOMMEND USING STANDARD "HOOK AND EYE" TYPE JOINT REINFORCEMENT TO ANCHOR VENEER UNITS.
4. PROVIDE TWO WIRES OF 9 GA. JOINT REINFORCEMENT AT 16" ON CENTER PER CMHA TECHNICAL NOTE 009.

**FLASHING/WEEPS:**

1. CAVITY INSULATION SHALL BE NOTCHED AROUND TERMINATION BAR.
2. IF JOINTS BETWEEN RIGID INSULATION ARE SEALED IN, THE SYSTEM CAN QUALIFY AS AN AIR BARRIER.
3. RECOMMEND SPECIFYING DRAINAGE MESH MATERIAL, WHICH IS GENERALL 10" IN HEIGHT, ABOVE FLASHING.
4. RECOMMEND MINIMUM 8" VERTICAL LEG ON FLASHING WHEN NOT IN DIRECT CONTACT WITH DRAINAGE MESH. IF IN DIRECT CONTACT, CONSIDER A LONGER VERTICAL LEG EXTENSION.
5. RECOMMEND EITHER TERMINATING MEMBRANE FLASHING FLUSH WITH MASONRY VENEER OR INSTALLING 180-DEGREE HEMMED DRIP EDGE FLUSH WITH FACE OF WALL TO AVOID SHARP CORNERS AND HAZARDS AT BASE CONDITION ONLY.
6. TMS 402 REQUIRES A MINIMUM 1" AIR SPACE, THOUGH A 2" AIR SPACE IS OFTEN RECOMMENDED. ARCHITECT REQUIRED TO ADJUST WALL THICKNESS BASED ON PROJECT NEEDS.

**MORTAR JOINTS**

1. RECOMMEND SPECIFYING TO TOOL EXTERIOR MORTAR JOINTS TO A CONCAVE PROFILE.
2. RECOMMEND SPECIFYING TO STRIKE THE MORTAR JOINTS FLUSH ON THE OUTER FACE OF CMU WALL FOR CAVITY WALL CONSTRUCTION.
3. RECOMMEND SPECIFYING TYPE S MORTAR FOR CMU BACKUP WALL AND TYPE N MORTAR FOR MASONRY VENEER. CEMENT TYPE (MASONRY CEMENT, MORTAR CEMENT, OR PORTLAND CEMENT/LIME) IS REGIONAL AND BEST LEFT TO THE MASON CONTRACTOR IN SESIMIC DESIGN CATEGORIES A, B, AND C.

**ENERGY CODE**

1. CONTACT BDC FOR ADDITIONAL INFORMATION ON HOW INSULATION CAN BE ADDED TO MEET ENERGY CODE REQUIREMENTS.

