

Masonry Accessories

Section revised and reissued by Addendum 03

PART 1 - GENERAL

1.1 Summary

- .1 Section includes:
 - .1 Movement (control) joint filler at masonry veneer.
 - .2 Weep vents at cavity masonry veneer.
 - .3 Cavity drainage material at exterior masonry cavity walls.
 - .4 Metal flashing at masonry wall assemblies.
 - .5 Deflection space filler at top of non-fire rated masonry partitions.
 - .6 Deflection space filler at top of fire-rated masonry partitions.
 - .7 Slip-sheet membrane for steel lintel bearing over masonry to allow lintel movement (thermal expansion/contraction).
 - .8 Through wall sheet membrane.

1.2 Submittals

- .1 Submit required submittals in accordance with Section 01 33 00 and Section 04 05 00.

PART 2 - PRODUCTS

2.1 Materials

- .1 Movement (control) joint filler at masonry veneer: sealant and backer rod in accordance with Section 07 92 00.
- .2 Weep vents: Full height of masonry unit, designed to keep weep hole open for passage of air and water, UV stabilized polypropylene.
 - .2 Size: Height of head joint x depth of masonry unit x thickness of mortar joint.
 - .3 Colour: to later selection by *Consultant* from manufacturer's full range.
 - .4 Acceptable *Product*:
 - .1 Advanced Building Products, Inc. 'Mortar Maze Weep Vents.'
 - .2 Blok-Lok Limited 'Cell-Vent'.
 - .3 Mortar Net Solutions 'WeepVent'.
 - .4 Wire-Bond 'Cell-Vent'.
 - .5 Hohmann & Barnard Inc '341 Series Round Plastic Weep Holes'.
- .3 Cavity drainage material: Free-draining mesh made from polymer strands or extruded polypropylene formed cavity units to suit cavity depth, that will not degrade within the wall cavity.
 - .1 Acceptable *Products*: Subject to compliance with requirements, provide one of the following:
 - .1 Advanced Building Products Inc. 'Mortar Break DT'.

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- .2 Hohmann & Barnard Inc 'Mortar Trap'.
- .3 Mortar Net Solutions 'MortarNet'.
- .4 Wire-Bond 'Cavity Net DT'.
- .4 Masonry through wall flashing:
 - .1 Sheet membrane:
 - .1 Single source responsibility: Components required for complete air barrier system and through wall flashing membrane behind the opaque wall assemblies to be obtained from single manufacturer. Coordinate with Section 07 27 00.
 - .2 Primer: as per manufacturer's installation requirements.
 - .3 SBS rubberized asphalt compound integrally laminated to cross laminated polyethylene film.
 - .4 Overall thickness: 1 mm (40 mils).
 - .5 Film thickness: 0.203 mm (8 mils).
 - .6 Service temperature: -40 °C to 70 °C.
 - .7 Acceptable *Products*:
 - .1 Carlisle Coatings & Waterproofing: CCW-705 TWF.
 - .2 GCP Applied Technologies 'Perm-A-Barrier Wall Flashing'.
 - .3 Henry Company 'Bakor Blueskin TWF'.
 - .4 Soprema 'Sopraseal Stick 130-S'.
 - .5 W.R. Meadows 'Air-Shield Thru-Wall Flashing'.
 - .2 Membrane sealant: as recommended by the membrane manufacturer.
 - .3 Termination bar: Hot dipped galvanized sheet steel, 3 mm core nominal thickness, Z275 designation coating to ASTM A653/A653M-13, 25 mm wide.
- .5 Metal flashing:
 - .1 0.457 mm (26 gauge SWG) minimum thickness, commercial quality in accordance with ASTM A653/A653M-13 with Z275 designation zinc coating, CSSBI 10000 Series baked enamel finish, standard colour as selected by *Consultant*.
 - .2 Lap sealant: Henry Company 'Air-Bloc 21'.
- .6 Deflection space filler (non-fire rated walls):
 - .1 Acceptable *Product*:
 - .1 Johns Manville 'MinWool Sound Attenuation Fire Batts'.
 - .2 Rockwool 'AFB'.
- .7 Deflection space filler (fire rated walls):
 - .1 Mineral type in accordance with Section 07 84 00.
- .8 Slip-sheet flashing membrane (for loose lintel bearing locations):

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- .1 Minimum 0.5 mm (0.020") thick, PVC membrane, low temperature flexible to 40°C below zero.
- .2 Acceptable *Products*:
 - .1 Blok-Lok 'Flex-Flash'.
 - .2 Lexcor F20.

PART 3 - EXECUTION

3.1 Masonry Installation and Procedures

- .1 Masonry installation and procedures shall be in accordance with Section 04 05 00, as supplemented herein.

3.2 Movement (Control) Joints

- .1 Installation requirements in accordance with Section 04 05 00 and as supplemented herein.
- .2 Keep movement joints clear for application of joint sealants.
- .3 Install movement joint filler in accordance with product manufacturer's written requirements.

3.3 Vents

- .1 Install weep vents in vertical joints at bottom of walls immediately over flashings, in exterior wythes of cavity wall and masonry veneer wall construction, at uniform and consistent horizontal spacing not exceeding 610 mm (24"). Do not locate vents within 610 mm (24") adjacent to corners of buildings.

3.4 Masonry Flashing – Through Wall Sheet Membrane and Metal Flashing

- .1 General: Install embedded flashing and weep holes in masonry at shelf angles, lintels, ledges, concrete curbs, other obstructions to downward flow of water in wall, and where indicated.
- .2 Install flashing as follows unless otherwise indicated:
 - .1 Install flashings in masonry in accordance with CAN/CSA A371-14.
 - .2 Prepare masonry surfaces so they are smooth and free from projections that could puncture flashing. Where flashing is within mortar joint, place through-wall flashing on sloping bed of mortar and cover with mortar. Before covering with mortar, seal laps and penetrations in flashing watertight in accordance with manufacturer's installation requirements.
 - .3 At lintels and shelf angles, extend flashing a minimum of 150 mm (6") into masonry at each end. At heads and sills, extend flashing minimum of 150 mm (6") at ends and turn up 50 mm (2") minimum to form end dams.
 - .4 Install metal drip edges beneath flexible flashing at exterior face of wall. Stop flexible flashing 12.7 mm (1/2") back from outside face of wall and adhere flexible flashing to top of metal drip edge.

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- .5 Cut flexible flashing off flush with face of wall after masonry wall construction is completed.
- .6 Flashings shall be installed to shed water in masonry cavity to exterior. Make flashings watertight.
- .7 Install masonry flashing to perform as dampproof course in walls that extend below grade except walls which are not exposed to moisture or protected by moisture retarding materials. Locate more less than 150 mm (6") above finished grade.
- .8 Ensure continuity of the membrane flashing is maintained at penetrations and terminations. Apply membrane sealant as required to fill inaccessible gaps.
- .9 Membrane shall be continuous and shall be fully adhered to back-up wall.
- .10 Provide continuous termination bar along top of membrane flashing. Fasten termination bar to substrate at a minimum of 150 mm on centre.
- .11 Do not allow membrane flashing to be covered until reviewed and approved by Consultant.

3.5 Cavity Drainage Material

- .1 Install cavity drainage units over weep hole vents, flashings, in exterior wythes of masonry cavity and veneer wall construction.
- .2 Install free-draining mesh units in continuous manner for full cavity length and depth.

3.6 Deflection Space Filler

- .1 Non-fire rated walls: Fill deflection space with deflection space filler. Where deflection space is exposed, tamp filler into deflection space 25 mm (1").
- .2 Fire-rated walls: Refer to requirements of Section 07 84 00.

3.7 Slip Sheet at Metal Lintels

- .1 Install slip sheet at loose lintel locations between bearing area of lintel and bed. Trim away exposed slip sheet.

END OF SECTION