

Part 1 - General

- 1.1 RELATED SECTIONS .1 Section 04 22 00 – Masonry Work.
- 1.2 REFERENCES .1 Canadian Standards Association (CSA International)
- .1 CAN3 A165 SERIES-94 (R2000).
  - .2 CSA B111- R2003, Wire Nails, Spikes and Staples
- .2 Canadian General Standards Board (CGSB)
- .1 CAN/CGSB-51.32-[M77], Sheathing, Membrane, Breather Type.
- .3 American Society of Mechanical Engineers (ASME)
- .1 ASME B18.6.3-[2011], Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series).
- .4 Environmental Choice Program (ECP)
- .1 CCD-045-[95], Sealants and Caulking Compounds.

Part 2 - Products

- 2.1 STEEL CLADDING AND COMPONENTS .1 Existing Strip Siding: to CAN/CGSB-93.4, Type A Vertical, Class - Plain.
- .1 Colour: Metro Brown VM 6154 or Dark Brown VM 6062 (Verify)
  - .2 Thickness: 0.89mm (3/32") base metal thickness.
  - .3 Profile: AD-300R, 38 mm (1 ½") deep, preformed interlocking joints.
  - .4 Remove, modify and reuse as required.
  - .5 Provide and install new screws for reinstallation of metal siding, colour to match siding.
- .2 Roof Cap Flashings and Exposed Corner Trim Flashings: to CAN/CGSB-93.4, Class plain:
- .1 Colour: Metro Brown VM 6154 or Dark Brown VM 6062 (to match existing siding - Verify)
  - .2 Thickness: 0.79mm (1/32") base metal thickness.
  - .3 Profile: Break Formed to manufacturer's standards as indicated.
  - .4 Provide new flashings as required.
  - .1 Refer to Structural Drawing S-101 for new structural steel lintel in exterior wall over new

- louvre opening.
- .4 Existing Sub-Girts: VicWest Z-400 / U-400.
  - .1 Remove, modify and reinstall as required.
- .5 Existing Cavity Wall Insulation:
  - .1 CavityRock by Roxul Inc.
  - .2 Remove and reuse as required. Provide new as required to complete work.
- .6 New Air Barrier: Type 1 – Butyl Type A: CGSB 19-GP-14M, Butyl Rubber based, single component, Shore A hardness Range of 10 to 30.
  - .1 Acceptable material:
    - .1 Blueskin SA Self Stick Vapour Barrier by Bakor
    - .2 Aquabarrier AVB BY IKO
    - .3 ExoAir 110/110Lt by Tremco
    - .4 Soprseal Stick 1100 by Soprema
  - .2 Primer: As recommended by Air barrier Manufacturer.
  - .3 Mastic: As recommended by air barrier manufacturer.
  - .4 Install new air barrier to new concrete block wall. Adjoin to existing block wall air barrier, install at new thru wall flashings and to louvre opening to drain to exterior.
- .7 New Air barrier – Type 2 – Woven polypropylene, water resistant, breathable underlayment for rain screen wall systems.
  - .1 Acceptable Product:
    - .1 Tyvek by Dupont.
    - .2 Typar Housewrap, Berry Plastics
    - .3 Owens Corning Pinkwrap
    - .4 R-wrap, Ludlow Coated Products
    - .5 Approved alternate
  - .2 Install new Air Barrier Type 2 to face of insulation per manufacturers installation instructions.

### Part 3 - Execution

#### 3.1 INSTALLATION

- .1 Air Barrier Type 1:
  - .1 Install new air barrier to new concrete block wall per manufacturer's installation instructions.
  - .2 Join new air barrier to existing air barriers at Existing East and West concrete block walls.
  - .3 Apply air barrier to through wall flashings and at louvre flashings to make a weather tight seal.
- .2 Sub-Girts::

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- .1 Reinstall existing Z-girts and U-Girts to new concrete block wall, horizontally at siding manufacturer's recommended spacing
  - .2 Install new thru-wall flashing as required to direct water infiltration to exterior.
  - .3 Insulation:
    - .1 Reinstate existing insulation to sub-girts.
    - .2 Secure in place per manufacturer's recommendation.
    - .3 Install insulation tight with no voids.
  - .4 Air barrier Type 2:
    - .1 Install new air barrier Type 2 over existing insulation and secure to sub-girts per manufacturer's recommendations.
  - .5 Existing Strip Siding:
    - .1 Modify existing strip siding to suit revised louvre opening.
    - .2 Install with new screws to manufacturer's recommendations.
    - .3 Install new corner flashings and parapet / roof cap flashings as required for a complete water tight installation.
  - .6 Revised Exhaust Thimbles:
    - .1 Remove existing siding, air barriers, Sub-girts, insulation for revisions to Exhaust Thimbles at West wall.
    - .2 After Thimbles have been revised through existing block walls, revise and reinstate new air barriers, existing insulation, sub-girts and new thru-wall flashings and Existing Strip Siding as required to reinstate this wall.

### 3.2 CLEANING

- .1 Clean all reinstated strip siding.
- .2 Touch-up any scratches and marks with matching paint.
- .3 Remove all surplus materials from site.

**END OF SECTION**