

Part 1 - General

<u>1.1 RELATED SECTIONS</u>	.1	Section 04 22 00 – Masonry Work.
<u>1.2 REFERENCES</u>	.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

<u>2.1 STEEL CLADDING AND COMPONENTS</u>	.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 Sopraseal 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::

- 
- .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 Reinstall 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 reinstall new air barriers, existing insulation, sub-girts and new thru-wall flashings and Existing Strip Siding as required to reinstall 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**