Sorrows Kindergarten Petawawa, Ontario Project No.: 13-3264	SF	HEET METAL FLASHING AND TRIM	Section 07 62 00 Page 1 2014-03-14
PART 1 – GENERAL			
1.1 RELATED SECTIONS	.1	Section 01 33 00 - Submittal Procedures.	
1.2 REFERENCES	.1	American Society for Testing and Materials International (ASTM)  .1 ASTM A 792/A 792M-10, Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.  .2 ASTM D 523-14, Standard Test Method for Specular Gloss.  .3 ASTM D 822/D 822M-13, Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.	
	.2	Canadian Roofing Contractors Association ( .1 Roofing Specifications Manual 1997.	CRCA)
	.3	Canadian Standards Association (CSA Inter.1 CSA A123.3-05 (R2010), Asphalt Saturell (Reaffirmed 2010).  2 CSA B111-1974 (R2003), Wire Nails, Standards Association (CSA Inter.)	rated Organic Roofing
1.3 SAMPLES	.1	Submit duplicate 50 x 50 mm samples of ea material, colour and finish.	ch type of sheet metal
1.4 WASTE MANAGEMENT AND DISPOSAL	.1	Separate and recycle waste materials.	
	.2	Remove from site and dispose of all packag appropriate recycling facilities.	ing materials at
	.3	Collect and separate for disposal paper, place corrugated cardboard and packaging material bins for recycling.	
	.4	Place materials defined as hazardous or tox containers.	ic in designated
	.5	Ensure emptied containers are sealed and s disposal away from children.	stored safely for
	.6	Divert unused metal materials from landfill to as approved by Consultant.	o metal recycling facility

.7

8.

Fold up metal banding, flatten and place in designated area for .9

Unused paint and sealant material must be disposed of at an official

hazardous material collections site as approved by Consultant.

Unused paint and sealant material must not be disposed of into sewer system, into streams, lakes, onto ground or in other location

recycling.

where it will pose health or environmental hazard.

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## PART 2 – PRODUCTS

## 2.1 PREFINISHED STEEL SHEET

- .1 Prefinished steel with factory applied polyvinylidene fluoride.
  - .1 Colour: to match existing.
  - .2 Specular gloss: 30 units +/- in accordance with ASTM D 523.
  - .3 Coating thickness: not less than 22 micrometres.
  - .4 Resistance to accelerated weathering for chalk rating of 8, colour fade 5 units or less and erosion rate less than 20% to ASTM D 822 as follows:
    - .1 Outdoor exposure period 2500 hours.
    - .2 Humidity resistance exposure period 5000 hours.
  - .5 Thickness: 0.511 mm.

## 2.2 ACCESSORIES

- .1 Isolation coating: alkali resistant bituminous paint.
- .2 Plastic cement: to CAN/CGSB-37.5.
- .3 Underlay for metal flashing: asphalt laminated 3.6 to 4.5 kg kraft paper.
- .4 Sealants: Polyisobutylene, non-hardening, non-skinning, non-drying, non-migrating, mygrati sealant (colour to match adjacent).
- .5 Cleats: of same material, and temper as sheet metal, minimum 50 mm wide. Thickness same as sheet metal being secured.
- .6 Fasteners: of same material as sheet metal, to CSA B111, ring thread flat head roofing nails of length and thickness suitable for metal flashing application.
- .7 Washers: of same material as sheet metal, 1 mm thick with rubber packings.
- .8 Solder: to ASTM B 32.
- .9 Flux: rosin, cut hydrochloric acid, or commercial preparation suitable for materials to be soldered.
- .10 Touch-up paint: as recommended by prefinished material manufacturer.

## 2.3 FABRICATION

- .1 Fabricate metal flashings and other sheet metal work in accordance with applicable CRCA 'FL' series details.
- .2 Form pieces in 2400 mm maximum lengths. Make allowance for expansion at joints.

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	.3	Hem exposed edges on underside 12 mm. with sealant.	Mitre and seal corners
	.4	Form sections square, true and accurate to and other defects detrimental to appearance	
	.5	Apply isolation coating to metal surfaces to concrete or mortar.	be embedded in
2.4 METAL FLASHINGS	.1	Form flashings, copings and fascias to proform thick prefinished zinc-coated steel.	files indicated of 0.511
2.5 PANS	.1	Form pans to receive roofing plastic from 0 prefinished steel sheet metal with minimum finished roof and 100 mm continuous flang Solder joints. Make pans minimum 50 mm passing through roof membrane.	n 75 mm upstand above es with no open corners.
2.6 REGLETS AND CAP FLASHINGS	.1	Form surface mounted reglets, metal cap for thick sheet metal to be built-in masonry wo detailed. Provide slotted fixing holes and statemers. Cover face and ends with plastic	rk for base flashings as eel/plastic washer
PART 3 – EXECUTION			
3.1 INSTALLATION	.1	Install sheet metal work in accordance with detailed.	CRCA FL series and as
	.2	Use concealed fastenings except where ap installation.	proved before
	.3	Provide underlay under sheet metal. Secur 100 mm.	re in place and lap joints
	.4	Counterflash bituminous flashings at inters vertical surfaces and curbs. Flash joints us over hook strips.	
	.5	Lock end joints and caulk with sealant.	
	.6	Install surface mounted reglets true and leverglet with sealant.	vel, and caulk top of
	.7	Insert metal flashing under cap flashing to	form weather tight

junction.

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- .8 Turn top edge of flashing into recessed reglet or mortar joint minimum of 25 mm. Lead wedge flashing securely into joint.
- .9 Caulk flashing at reglet with sealant.
- .10 Install pans, where shown around items projecting through roof membrane.