

1 General

1.1 RELATED REQUIREMENTS

- .1 Section 07 62 00 - Sheet Metal Flashing and Trim.

1.2 REFERENCES

- .1 Canadian General Standards Board (CGSB).
 - .1 CAN/CGSB-37.4, Fibrated, Cutback Asphalt, Lap Cement for Asphalt Roofing.
 - .2 CAN/CGSB-37.5, Cutback Asphalt Plastic Cement.
 - .3 CAN/CGSB-51.32, Sheathing, Membrane, Breather Type.
 - .4 CAN/CGSB-51.34, Vapor Barrier Polyethylene Sheet, for Use in Building Construction.
- .2 Canadian Roofing Contractors' Association (CRCA).
 - .1 CRCA Roofing Specification Manual.
- .3 Canadian Standards Association (CSA International).
 - .1 CAN/CSA-A123.1/A123.5, Asphalt Shingles Made From Organic Felt and Surfaced With Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced With Mineral Granules.
 - .2 CSA A123.2, Asphalt-Coated Roofing Sheets.
 - .3 CAN/CSA-A123.3, Asphalt Saturated Organic Roofing Felt.
 - .4 CAN3-A123.51, Asphalt Shingle Application on Roof Slopes 1:3 and Steeper.
 - .5 CAN3-A123.52, Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3.
 - .6 CSA B111, Wire Nails, Spikes and Staples.

1.3 SUBMITTALS

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit product data sheets for asphalt shingles. Include:
 - .1 Product characteristics.
 - .2 Performance criteria.
 - .3 Installation instructions.
 - .4 Limitations.
 - .5 Color and finish.

1.4 SAMPLES

- .1 Submit duplicate samples in accordance with Section 01 33 00 - Submittal Procedures.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, handle, store and protect materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Provide and maintain dry, off-ground weatherproof storage.
- .3 Remove only in quantities required for same day use.

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Collect and separate for disposal waste material generated by this Section.
 - .2 Place in appropriate on-site bins in accordance with Waste Management Plan.
 - .3 A clean worksite is mandatory at all times. Failure to maintain the site in a clean, safe condition shall result in the Departmental Representative initiating a clean-up and related costs being deducted from progress claims.
 - .4 Place materials defined as hazardous or toxic in designated containers.
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2 Products

2.1 MATERIALS

- .1 Asphalt shingles: to CSA A123.1.
 - .1 Type: strip, self-seal, standard, pattern, rectangular with purpose made ridge cap.
 - .2 Mass: minimum 34 kg/3m².
 - .3 Colors: One color to be selected by Departmental Representative from manufacturer's standard colors.
 - .4 Warranty: 30 years.
- .2 Underlayment: synthetic roof underlayment or in accordance with manufacture's recommendations.
- .3 Eave and Valley protection membrane: reinforced SBS modified asphalt sheet.
- .4 Asphaltic Cement:
 - .1 Plastic cement: to CAN/CGSB-37.5.
 - .2 Lap cement: to CAN/CGSB-37.4.
- .5 Drip Edge: 76mm prefinished aluminum drip edge purpose made for eaves and gables.
- .6 Nails: to CSA B111, of galvanized steel, sufficient length to penetrate 19 mm into deck.

3 Execution

3.1 APPLICATION

- .1 Do asphalt shingle work in accordance with CAN3-A123.51 except where specified otherwise.
- .2 Install drip edge along eaves, overhanging 12 mm, with minimum 50 mm flange extending onto roof decking. Nail to deck at 400 mm on center.
- .3 Install eave protection membrane in accordance with NBC 1995, 9.26.5. para. 1 and as indicated on drawings.
- .4 Install valley flashing at all valleys, min 600 each side.
- .5 Install synthetic roof underlayment over entire shingled roof area as per manufacturer's instructions.
- .6 Install asphalt shingles in strict accordance with manufacturer's printed instructions.
- .7 ALL SHINGLE TABS MUST BE SPOT SEALED WITH PLASTIC CEMENT.
- .8 Install prefabricated vent flashings supplied by Section 07 62 00 - Sheet Metal Flashing and Trim. Seal between flashings and shingles to ensure watertight installation.
- .9 Provide flashings at all other penetrations through roof and seal between flashings and shingles to ensure watertight installation
- .10 Install bottom step flashing (soaker base flashing) interleaved between shingles at vertical junctions.
- .11 Install asphalt shingles on roof slopes 1:3 and steeper in accordance with CAN3-A123.51
- .12 Install asphalt shingles on roof slopes 1:6 to less than 1:3 in accordance with CAN3-A123.52

END OF SECTION