

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 45 00 - Quality Control.
- .3 Section 07 92 10 - Joint Sealing.

1.2 REFERENCES

All reference standards shall be current issue or latest revision at the date of building permit issue. This specification refers to the following standards, specifications or publications:

- .1 American Society for Testing and Materials International, (ASTM).
 - .1 ASTM A 167, Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
 - .2 ASTM A 653/A653M, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .2 Canadian General Standards Board (CGSB).
 - .1 CAN/CGSB-37.5, Cutback Asphalt Plastic Cement.
 - .2 CAN/CGSB-37.29, Rubber-Asphalt Sealing Compound.
 - .3 CAN/CGSB-51.32, Sheathing, Membrane, Breather Type.

1.3 SUBMITTALS

- .1 Submit shop drawings and product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Indicate arrangements of sheets and joints, types and locations of fasteners and special shapes and relationship of panels to structural frame.
- .3 If requested, submit samples in accordance with Section 01 33 00 - Submittal Procedures.
- .4 Submit 300 x 300 mm samples of each sheet metal material.

PART 2 – PRODUCTS

2.1 PREFINISHED STEEL SHEET

- .1 Prefinished steel roof panels.
Standing seam, 0.635mm (24ga) thickness, 400mm panel width. Finish to be Galvalume Plus AZ180 finish. Acceptable systems:
 - .1 Tradition 150 system as manufactured by Vicwest.
 - .2 AR-38 system as manufactured by Agway Metals.
- .2 Flashing, Trim And Closures: Same material, gauge and finish as adjacent wall and roof panels. Fastenings shall be as specified for wall and roof panels. Form or mold closure strips to match configuration of the roofing or siding. Install closures wherever necessary to insure weather tight construction.

2.2 ACCESSORIES

- .1 Except as indicated as work of another specification section, provide components required for a complete roof system, including trim, copings, fascias, ridge closures, clips, seam covers, battens, flashings, gutters, sealants, gaskets and closure strips. Match materials and finishes of roof.
- .2 Isolation coating: alkali resistant bituminous paint.
- .3 Plastic cement: to CAN/CGSB-37.5.
- .4 Underlay: self adhered modified bituminous membrane.
Standard of Acceptance: Blueskin® RF200.
- .5 Sealant: asbestos-free sealant, compatible with systems materials, recommended by system manufacturer.

- .6 Rubber-asphalt sealing compound: to CAN/CGSB-37.29.
- .7 Washers: of same material as sheet metal, 1 mm thick with rubber packings.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Use concealed fastenings except where approved by Contract Administrator before installation.
- .2 Provide underlay under sheet metal roofing. Secure in place and lap joints 100 mm minimum.
- .3 Install sheet metal roof panels as per manufacturers requirements.
- .4 Flash roof penetrations, and adjacent walls with material matching roof panels, and make watertight.
- .5 Form seams in direction of water-flow and make watertight.

End of Section