



1.0 GENERAL

1.1 WORK INCLUDED

- 1.1.1 Furnish all labour, material, and equipment necessary to fabricate and install Flynn Canada Limited **ACCU-STEEL** metal roof system, all in accordance with the details provided on the tender drawings or as specified.

1.2 RELATED WORK

- 1.2.1 Insulation section _____.
1.2.2 Membrane Air Barrier section _____.

1.3 SYSTEM DESIGN

- 1.3.1 Design preformed metal panel roofing system to withstand all design loads. Maximum allowable deflection of spans is $L/180$
1.3.2 Design complete roof system to withstand dead loads, snow loads, and wind loads including uplift in accordance with the National Building Code of Canada and applicable local regulations.

1.4 SHOP DRAWINGS

- 1.1.1 Submit shop drawings in accordance with section _____.
1.1.2 Clearly indicate dimensions, panel layout, general construction details, anchors and methods of anchoring.

2.0 PRODUCTS

2.1 ROOFING SYSTEM

- 2.1.1 The metal roofing shall be the **ACCU-STEEL** system as manufactured by Flynn Canada Limited. NOTE: Battens optional.

2.2 MATERIALS

- 2.2.1 Zinc coated sheet metal to ASTM-A 653, commercial quality, hot dipped galvanized, coating designation Z275, prefinished as specified. Minimum base metal thickness to be _____ .
2.2.2 Aluminum-zinc alloy coated steel sheet to ASTM-A 792, commercial quality, Grade A or B, with AZ150 coating, prefinished as specified. Minimum base metal thickness to be _____ .
2.2.3 Paint finishes to be 8000, 10000, Metallic, Elite or Barrier Series one side. Colour to be selected from standard colour charts

2.3 Accessories

- 2.3.1 Gypsum board to CSA A82.27.. Type and thickness to be as specified.
2.3.2 Air/Vapour barrier to be as specified in Division _____.
2.3.3 Insulation to be as specified in Division _____.
2.3.4 Provide all required prefinished metal flashings and neoprene closures as required and as shown on approved shop drawings.
2.3.5 Z-girts to be Z275 galvanized sheet steel. Core thickness required for structural load and depth to suit insulation thickness.

3.0 EXECUTION

3.1 EXISTING CONDITIONS

- 3.1.1 Prior to proceeding with the installation of the **ACCU-STEEL** metal roof system conduct a thorough inspection of all components, which may effect the installation of the metal roof system. Report any discrepancies to the architect/engineer. No work is to be carried out until all necessary adjustments have been made to the satisfaction of the metal roofing contractor.

3.2 PROTECTION

- 3.2.1 Treat any contacting surface of dissimilar materials to prevent electrolytic corrosion.
- 3.2.2 Require workman who will be working on the roof panels to wear clean soft soled safety shoes that will not pick up stones or other abrasive materials.
- 3.2.3 Protect work of other trades against damage and discolouration caused by the work of this section.

3.3 INSULATED ROOF SYSTEMS

- 3.3.1 Secure gypsum board in accordance with Division ().
- 3.2.1 Install specified Air/Vapour barrier as per manufacturer's recommendations.
- 3.2.2 Install z-bar support systems as per approved shop drawings.
- 3.2.3 Install specified insulation.

4.0 INSTALLATION

4.1 PANELS

- 4.1.1 Follow manufacturer's instructions
- 4.1.2 Locate first and last fastening clips at least 3" (75mm) from panel's ends. Carefully align intermediate fastening clips.
- 4.1.3 Install panel ribs vertically.
- 4.1.4 Lap panel ribs away from predominate wind direction.
- 4.1.5 Install flashings of matching materials to provide a watertight system.

4.2 TOUCH UP

- 4.2.1 Touch up damaged paint surfaces with the same paint used on the panels. Apply in accordance with paint manufacturer's recommendations.

4.3 CLEANING AND REPAIRING

- 4.3.1. At the completion of each day's work, and at the completion of the work, sweep panels, flashings and gutters clean of any fasteners, cuttings, filings, or scraps on finish surfaces.
- 4.3.2. Remove debris from the project site upon work completion or sooner, if directed.