MINIMUM DESIGN CRITERIA:
- Wind Load 110 MPH Class C
- Snow Load 20 PSF
- Basic Wind: 55 MPH 1000 PSF Min.
- Concrete Footings: 2000 PSF Min.

SHELTER SPECIFICATIONS:
- Roof Pitch: 4/12
- Roof Style: Gable
- Steel Posts: 8 X 8 X 3/16 Stainless Steel Tube
- Truss Beams: 6 X 4 X 3/16 Stainless Steel Tube
- Fascia: 2 X 6 Nom. Fir
- Roof Decking: 2 X 8 Nom. Fir T&G Board
- Roofing: 24 GA 18" Wide Standing Seam
- Steel Finish: Powder Coated

POWDER COAT SPECIFICATIONS STANDARDS:
- FLEXIBILITY (ASTM D-1706)
- IMPACT (ASTM D-256)
- ADHESION (ASTM D-3359)
- HARDNESS (ASTM D-3359)
- OVERBURDEN RESISTANCE (ASTM D-243)
- WEATHERABILITY (ASTM D-403)

MANUFACTURING SPECIFICATIONS STANDARDS:
- All welding is done using electric arc method by certified welders.
- All of the welding conforms to AWS-04.1 and D1.2 code.

HARDWARE SPECIFICATIONS:
- Hardware is zinc coated.
- All bolts to be grade 2 or better.

MATERIAL SPECIFICATIONS:
- Posts conform to A500 Grade B Structural Tubing.
- Top Plates, Base Plates, and Wing Plates all conform to ASTM A633 Steel Plate.
- Anchors are 1 1/4" Zinc Coated All Thread to provide drilling and epoxycurrently layout.

FINISH SPECIFICATIONS:
- Steel framing is wide flange to SP 10 near white and electrolytically coated with a polyester powder coat to 60 MIL
- Any scratches or damaged paint to be touched up after final assembly.

ENGINEERING SPECIFICATIONS STANDARDS:
- Structural design conforms to:
- Structural Steel Spec.
- Building and Local Building Codes.
- Metal Building Manufacturers Association.
INSTALLATION INSTRUCTIONS

1. INSTALLATION INSTRUCTION DETAILS

FIGURE 1

- Place rafters laying down on 4'6" at sur face and bolt them together (Fig. 1) then attach posts to them (See FIGURE 1).
- Lift rafter and place assembly and put into place. Use equipment. Check for the lift, nut the posts to concrete anchor (See FIGURE 2).
- Pull all frame assemblies and check all dimensions, brace with strap, lumber, etc. Don’t continue with next step until satisfied with dimensions and plumness.
- Place first piece of 3 X 4 X 1/2" overlapping on end of rafters. (See FIGURE 3) Replace for other side. Put 1/4" reamer into screwdriver rafter connection on each board (optional. If bolted, continue installing 2 X 6" until you reach the top). (Top board on each side will have to be ripped to fit, keep these tight to a gap seen from inside beam) Then the ends of T & C. If needed to establish the Z-orientation from center of end rafters to ends of T & C.
- Install 2 X 4" fascia boards (See FIGURE 4). This board should be cut the same length as the T & C boards.
- Install 2 X 4" gable end boards (4 total). (See FIGURE 5 A & B). (One end is cut at the factory with a batten; the other end needs field cut to accommodate a tight fit.)
- Install software cover plates (See FIGURE 6).

2. INSTALLATION INSTRUCTION DETAILS

FIGURE 2

- Your shelter is now erected. Clean all steel with spray cleaner or a mixture of baking soda and water. Also apply wood filler and sand where needed. Treat with wood sealer. (Supplied by customer).
- See roof installation guide to roof your shelter.
1. After tags are installed, install ease trim. Use a couple roofing nails to hold in place. Roof clips will hold it after roofing is installed.
2. Roll out first row of shingles. Align and secure to roof. Start second row and overlap first row a minimum of 2" continue to top of roof.
3. Start on end of sheet, place clip 1" from bottom edge with the tab lined up with the end of the roof. (Detail A)
4. Screw clip down (two screws per clip)
5. Place second clip 30" to 40", move first clip and tab. Line up the same. Continue to top last one 3" down from end.
6. Before placing roof panels, bend the '9'-1/16" up at 90° and seal edges.
7. Place first roof panel over clips.
8. Place next 30 clips on leading edge of sheet and screw down.
9. Lap next sheet over previous sheet sharp down.
10. Continue sheeting to end of roof. The last sheet may need to be cut so as to not overhang the end of roof.
11. Roof other side of roof the same, starting with the same end of roof.
12. Install cable tieoff hems.
13. Install ridge cap.