Structural members:

1. All structural steel tubing utilized shall be ASTM A-500 Grade B/C (46 – 50 ksi yield strength / 58 – 62 ksi tensile strength) 2. All structural plates, gussets etc. shall conform to ASTM A-36 (36 ksi yield strength / 58 – 80 ksi tensile strength) 3. All welding is to be done in accordance with the latest AWS standards. 4. All welds shall develop the full strength of the weaker member. All welds shall be made using E70XX .035" wire. Fabricated welded assemblies will be performed by manufacturer. 5. Hollow steel members shall be welded shut at termination points to prevent internal leakage. (Baseplate to column connections excluded) 6. On-site field welded connections are not acceptable. 7. Field assembly connections will be indicated on the set up drawings.

Foundation:

1. Upon request foundation / footing requirements will be provided by a professional engineer based on specific site location.

Foundation general design criteria:

1. The foundation design is based on table 1806.02 of the building code, class 5 soil material. If different soil conditions are encountered, it is recommended that a site specific geotechnical report is conducted to determine the load bearing values of the soil.

Installation hardware:

1. All required fasteners are provided for construction of the shelter. Fastening hardware will be determined based on calculated engineering loads. 2. Uncoated hardware will be used in hidden applications and Zinc plated or galvanized hardware will be used in exposed applications. 3. All fastening hardware bolts shall comply with ASTM A325. Threaded rod applications shall comply with ASTM B7. Washers shall comply with ASTM F436. Hex nuts shall comply with ASTM A563. 4. Upon request stainless steel hardware can be used for exposed applications. Stainless hardware shall comply with ASTM A-304.

Anchor bolts: 1. Headed and hooked anchor bolts shall comply with F1554 grade 36. Higher grades may be used for specific applications. 2. Templates will be provided by the manufacturer to set anchors in concrete.

Coating:

1. All fabricated steel components will be primed and a powder coated exterior shall surface applied. (Refer to powder coating specification sheet for a breakdown in specifications.)