

1. SCOPE

This specification provides for relay houses sized from 6' X 6' thru 8' X 24'.

2. PURCHASE ORDER REQUIREMENTS

2.1 Refer to C&S drawings 2502 & 2506.

3. MATERIAL & WORKMANSHIP

- 3.1 Material and workmanship shall be first class in every respect.
- 3.2 House to be made of 14 gauge (0.0747) minimum Corten, degreased, unpainted sheet steel.
- 3.3 Galvanized steel foundation piers to be furnished per CS-2506, 2506-2 including galvanized mounting fasteners for each corner. Add a pier at each side mid point for houses 18' & longer per CS-2506, 2506-1
- 3.4 Insulation for house walls, doors & roof to be 2" thick Thermax or approved equal. Insulation shall be constructed of materials that are not a conductor of electricity.

4. DESIGN & CONSTRUCTION

- 4.1 House to be fabricated by welding. All seams to be sealed with brown colored silicone.
- 4.2 House floor to hold 500 lbs. per square foot minimum with not more than 1/4" deflection.
- 4.3 Doors to be equipped with hooks to hold doors open at 90 and 180 degrees.
- 4.4 Door handles to be locked by use of padlocks with 1-1/8" shackles and to operate a three point latching system including a locking bar at top and bottom of house. Inside door handles to be steel or aluminum. All outside door handles to be Corten steel. Handles must have hole opening of 9/16" diameter for padlock.

Screened venting to be provided on all doors.

- 4.5 Doors to have reinforcing panels and to be gasketed to provide tight seal with house. Door openings to be 30' wide x 78" high.
- 4.6 Cable chutes & 4-5/8" Dia. cable knockouts to be provided in floor for underground cable risers at terminal board side of house.
- 4.7 Aerial cable knockout to be provided on terminal board side of house near upper corners.
- 4.8 Provide 115 VAC brushless propeller type vent fan or fans as required to move 1.25 cfm per cubic foot of house. Fan or fans to be mounted in a chimney with a 0.24 sq. in. screened air opening per cubic foot of house and to be controlled by a suitable snap action thermal switch (Klixon 4344-176 or equal) with contacts closing at 95° F:3% and opening at 85° F: 3%.
- 4.9 Screened free air inlet opening of 0.55 sq. in. per cubic foot of house to be provided in floor of house.
- 4.10 Terminal board frames, and mounting brackets to be furnished suitable for 3/4" plywood. All houses 10' and longer to have hardware for two terminal boards.
- 4.11 Interior metal parts to be primed and painted with gray enamel. Fire retardant gray paint, ALBIE COTE 107A(47-643954) or approved equal will be used on all interior non metallic surfaces.
- 4.12 Provide grounded convenience outlet protected with a 20 amp. separate ground fault circuit breaker.
- 4.13 Provide ceiling lamp with pull chain and receptacle for 3 prong grounded plug for each 18 sq. ft. of floor area with switch located 4"- 0" from floor inside house

- near left side of front door protected by a 20 amp. separate ground fault circuit breaker.
- 4.14 Provide lifting straps near top of house and tie down straps near bottom of house.
- 4.15 All light receptacles and fan wiring to be enclosed by conduit.
- 4.16 Ground fault circuit breakers shall be located in a steel housing rated at 60 amps, 220 volts AC which conforms to the National Electrical Code. Housing to be located 5'- 0" from floor on left side of front door opening.

41

REV	DATE	BY

