

1. SCOPE

This specification provides for relay houses sized 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. Thermax 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 sq.ft 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 handle to be steel or aluminum. All outside door handles to be Corten steel. Handles must have hole opening of 9/16" diameter for padlock. 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 to be primed and painted with gray enamel. Fire retardant grey paint, ALBIE COTE 107A(47-643954) or approved equal will be used on all interior wood.

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.

REV	DATE	BY

SHEET 12



CS-2502-B

STANDARD
RELAY HOUSE
SPECIFICATIONS

MAR.4,1985

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