



ENGINEERING SPECIFICATION
Texas Division

PLAINTIFF'S EXHIBIT

DOW-2407

33-000
Revised 3-12-71
Page 2 of 3

3.3 Laps

3.3.1 Roof panels shall be installed with a side lap of two corrugations.

3.3.2 Walls and siding shall be installed with a side lap of one corrugation.

3.3.3 End laps shall be a minimum of 6" and shall occur over a support.

3.4 Closure strips shall be installed, where required, to insure a weather-tight structure.

3.5 Ridge rolls shall be installed with closure strips and sealed to make a watertight application.

3.6 Corner rolls shall be installed and sealed.

3.7 Asbestos roof panels shall be cemented at the side and end laps with asphalt cement. A nonhardening caulking compound shall be used for plastic panels. The cement or caulking compound shall be placed at the crown of the corrugation on side laps and at the bolt line at end laps.

3.8 Flashing shall be installed, where indicated, to provide for expansion and contraction.

3.9 Flat Panels:

3.9.1 Flat panels shall be applied by the butt joint method.

3.9.2 All vertical and horizontal joints shall be made watertight by the use of asbestos cement battens and gaskets of roofing felt or Saraloy. Battens are to be 6" wide.

3.10 Fastening System:

③ 3.10.1 Cadmium plated or galvanized $\frac{1}{4}$ " bolts or tapping screws shall be used to attach sheets to steel structures. The bolts or screws shall have washer heads or regular plain ($\frac{3}{4}$ ") steel washers shall be used. Neoprene washers shall also be used under the washer heads or washers.

③ 3.10.2 Cadmium plated or galvanized $\frac{1}{4}$ " lag screws with regular plain galvanized steel and neoprene washers shall be used to attach sheets to timber structures.

③ 3.10.3 Holes in transite for the bolts or screws shall be $\frac{5}{16}$ " and shall be drilled on the crest of the corrugations.

ST0406388

ST0406388



- ③ 3.10.4 Asbestos cement panels shall be attached to all purlins, girts, or supports on approximately 18" centers, except along eaves and other exposed areas the attachments shall be on approximately 12" centers. Side lap bolts shall not exceed 18" centers and shall have neoprene washers both top and bottom sides.
- ③ 3.10.5 Plastic panels end laps shall be fastened at every other crown and every third crown on intermediate supports. Side laps shall be fastened on 12" centers.

ST0406389



THE DOW CHEMICAL COMPANY

TEXAS DIVISION
FREEPORT TEXAS 77541

Date: February 8, 1971

To: HTV

Attached is a copy of Engineering Specification, Structural
Spec. 33-020, Dated 3-12-71, Page(s) 2 of 3

which is in final form for issuing.

*Note: Page 1 of 3 issued
for printing purposes*

If this specification meets your approval, please sign below and
return.

Issuing date has been set for 3-12-71. To meet this
deadline this copy must be returned promptly as it cannot be issued
until we receive your signature as approved.

Note: (R) on the specification indicates revision.

APPROVED: M. J. Youens WBC Date: 2-10-71

NOT APPROVED AS NOTED: _____ Date: _____

RETURN TO:

Angie H. Barnes
Building A-1201

abb

ST0406387

ST0406387