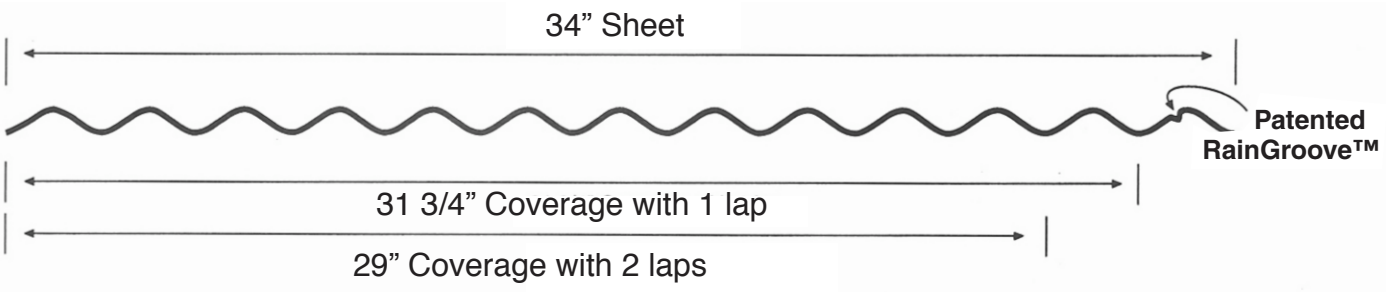
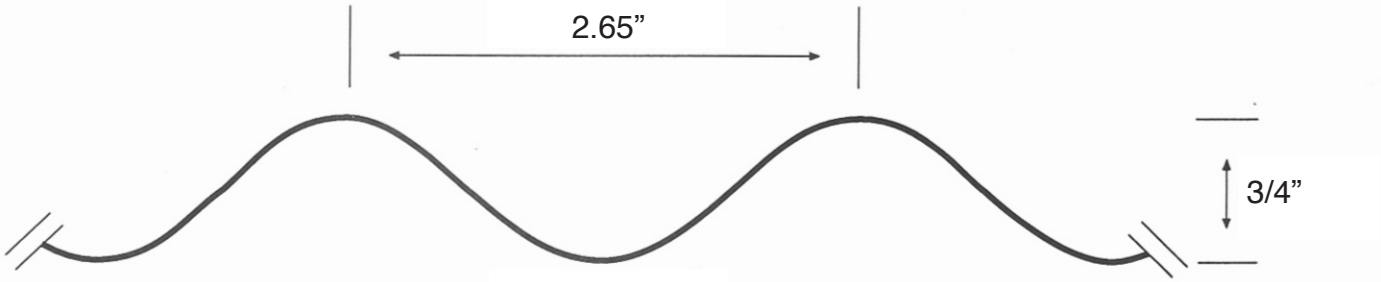
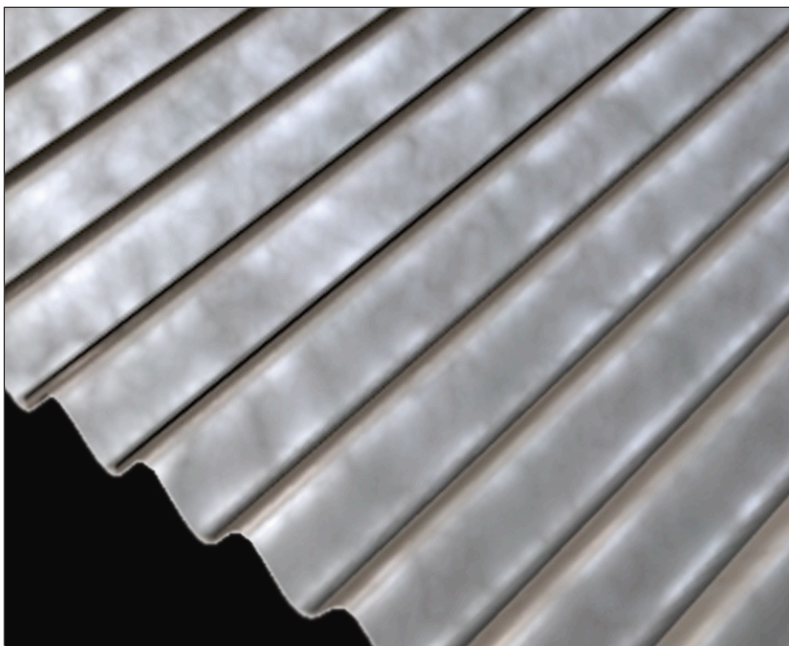
SPECIFICATIONS

RainGuard™





WAVE SEGMENT
Acual Size



Lengths	Pos./Bundle	LF/Bundle	Wt. Bundle
8’	230	1840	4876
9’	200	1800	4770
10’	180	1800	4770
11’	165	1815	4810
12’	150	1800	4770
14’	130	1820	4823
16’	115	1840	4876
18’	100	1800	4770
20’	90	1800	4770
22’	85	1870	4956
24’	75	1800	4770

Custom lengths available on a speical order basis.

1. GENERAL

1.1 The roof shall be covered with precision roll formed **RainGuard™** panels.

1.2 Details shall be in accordance with the manufacturer's drawings.

1.3 Installation shall be in accordance with the manufacturer's drawings.

2. PANEL DESCRIPTION

2.1 Panels shall be roll formed to provide a width coverage of 34" with a net coverage of 32'.

2.1.1 There shall be 13 major corrugations 3/4" high spaced 2.65" on center.

2.2 The panel side laps shall overlap one corrugations.

2.2.1 One of the outboard corrugations shall be formed as the overlapping corrugation.

2.2.2 The other outboard corrugation shall be formed as the underneath corrugation.

a. This shall be a full corrugation to provide bearing support to the side lap.

b. This shall be formed with a continuous length **RainGroove™** weep.

2.3 The panel endlaps shall be a minimum 4".

2.3.1 Panels shall be a maximum length, up to 32', so as to minimize panel endlaps.

2.3.2 Endlaps shall be engineered to occur over and be fastened to a secondary structural member.

2.3.3 A minimum roof slope of 3:12 shall be maintained since roof slopes of less than 3:12 are not recommended.

3. PANEL DESIGN

3.1 Panels shall be designed in accordance with standard manufacturing practices for light gauge cold formed structural steel

4. PANEL MATERIAL

4.1 Panel material shall meet ASTMA-792 specifications for aluminum-zinc alloy coated steel. The aluminum-zinc-coating shall be AZ-50 minimum and shall be composed of approximately 55% aluminum, 1.6% silicone and the balance zinc and shall be applied by the continuous hot-dip process. The coating shall meet or exceed AZ-50 specifications as determined by the triple spot test per ASTM specification A-428 and shall have a standard spangle.

4.2 Panel material shall have a minimum thickness of .019 (26 GA.) inches.

4.3 Panel material shall be grade 50-B structural quality steel.
4.4 Panel material shall be prime material suitable for roll forming.

5. FASTENERS

5.1 Panel-to-Structural
All connections of **RainGuard™** panel-to-structural members shall be made with #12 x 2" hot-dipped galvanized 3/8" hex-head screws with a 5/8" O.D. metal backed neoprene washer.
5.2 Panel-to-Panel
All **RainGuard™** panel-to-panel connections shall be made with #14 x 3/4" hot-dipped galvanized 3/8" hexhead screws with a 5/8" O.D. metal back Neoprene washer.
5.3 Fasteners location and quantity shall be as specified by the manufacturer.

6. PANEL FINISH

6.1 The panel finish as specified shall be one of the following:
6.1.1 26 ga. aluminum-zinc alloy pre-finished with Ceramisil II polyester color finish. Interior surface pre-finished with wash coat of white modified alkyd.
6.1.2 26 ga. hot-dipped aluminum-zinc alloy finish.

7. PANEL APPLICATION

7.1 All panels shall be factory cut-to-length.
7.2 All panels shall be positioned and aligned to hold th 32" module throughout the building length.
7.3 All sidelaps will be at least one full corrugation.
7.4 All endlaps will be at least 4" and fastened together over and to structural members.
7.5 All panel side and endlaps shall be sealed with tape seal sealant (weather sealing compound), to prevent the entry of capillary moisture.
7.6 Fasteners shall be installed with proper tools, in a work-man-like manner according to the recommendations of the manufacturer.

8. ACCESSORIES

8.1 Accessories; gable trim, gutters and weather stripping shall be as standard with the manufacturer unless otherwise noted.
8.2 Location of standard accessories shall be as recom-mended by the manufacturer.