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*SCAFCO Non-Standard Roof Sizes
Please Contact SCAFCO Engineering for details on the following non-standard roof sizes:
69’ Roof 117’ Roof
78’ Roof 120’ Roof
81’ Roof 123’ Roof
84’ Roof 126’ Roof
93’ Roof 129’ Roof
96’ Roof 132’ Roof
99’ Roof 135’ Roof
108’ Roof 138’ Roof
111’ Roof

NOTE: WHENEVER MENTIONED IN THIS MANUAL, THE TERM ‘SILO’ REFERS TO BINS AND/OR SILOS.
12’ / 15’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

FOR ROOF PANEL W/ ROOF HATCH
6 SPACES TYP
6 SPACES
6 SPACES

FOR RAFTED ROOF:
SEE ROOF INSTALLATION
DRAWING FOR RIB CLIP
PLACEMENT

ADDITIONAL CENTER CLIP
#214622

STIFFENER/HBT LEG
REFERENCE

RIB CLIP
(214520)
(24 REQ’D)

USE CENTER CLIP ON
DOUBLE-WIDE PANEL
(STANDARD)

12’ ROOF

14 SPACES

3 1/2 SPACES TYP
4 SPACES TYP
4 SPACES
7 1/2 SPACES
7 1/2 SPACES

FOR ROOF PANEL W/ ROOF HATCH
7 1/2 SPACES
7 1/2 SPACES

RIB CLIP
(214520)
(24 REQ’D)

NOTE:
ALTERNATING BOLTING FOR RIB CLIPS

USE CENTER CLIP ON
DOUBLE-WIDE PANEL
(STANDARD)

STIFFENER/HBT LEG
REFERENCE

FOR RAFTED ROOF:
SEE ROOF INSTALLATION
DRAWING FOR RIB CLIP
PLACEMENT

15’ ROOF

14 SPACES
NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY
NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

24' / 27' Roof Center Clip Details

24' ROOF

9 SPACES TYP
4 1/2 SPACES TYP

CENTER CLIP
(214622) (1) REQ'D PER
ROOF PANEL

STIFFENER/HBT LEG
&C REFERENCE

FOR RAFTED ROOF:
SEE ROOF INSTALLATION
DRAWING FOR RIB CLIP
PLACEMENT

27' ROOF

14 SPACES

CENTER CLIP
(214622) (1) REQ'D PER
ROOF PANEL

STIFFENER/HBT LEG
&C REFERENCE

FOR RAFTED ROOF:
SEE ROOF INSTALLATION
DRAWING FOR RIB CLIP
PLACEMENT

ADDITIONAL CENTER CLIP
#214622

ADDITIONAL CENTER CLIP
#214622

12 SPACES TYP
6 SPACES TYP

RIB CLIP
(214520)
(24 REQ'D)

RIB CLIP
(214520)
(36 REQ'D)

&C EXTERIOR LADDER
30' / 33' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

RIB CLIP (214520) (36 REQ'D)
CENTER CLIP (214622) (1) REQ'D PER ROOF PANEL
STIFFENER/HBT LEG & REFERENCE
FOR RACERED ROOF:
SEE ROOF INSTALLATION DRAWING FOR RIB CLIP PLACEMENT

10 SPACES TYP
5 SPACES TYP

14 SPACES

30' ROOF

11 SPACES TYP
5 1/2 SPACES TYP

14 SPACES

33' ROOF
36’ / 39’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

12 SPACES TYP
6 SPACES TYP

RIB CLIP
(214520)
(36 REQ’D)

CENTER CLIP
(214622)
(1) REQ’D PER
ROOF PANEL

STIFFENER/HBT LEG
& REFERENCE

36’ ROOF

EXTERIOR LADDER

FOR RAFTED ROOF:
SEE ROOF INSTALLATION
DRAWING FOR RIB CLIP
PLACEMENT

14 SPACES

13 SPACES TYP
5 SPACES TYP
3 SPACES TYP

RIB CLIP
(214520)
(36 REQ’D)

CENTER CLIP
(214622)
(2) REQ’D PER
ROOF PANEL

STIFFENER & REFERENCE

39’ ROOF

EXTERIOR LADDER

FOR RAFTED ROOF:
SEE ROOF INSTALLATION
DRAWING FOR RIB CLIP
PLACEMENT

ADDITIONAL CENTER CLIP
#214622

ADDITIONAL CENTER CLIP
#214622
42' / 45' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

42' ROOF

14 SPACES TYP
5 SPACES TYP
4 SPACES TYP

RIB CLIP (214520) (36 REQ'D)
CENTER CLIP (214622) (2 REQ'D PER ROOF PANEL)
STIFFENER & REFERENCE

EXTERIOR LADDER

45' ROOF

15 SPACES TYP
5 SPACES TYP
5 SPACES TYP

CENTER CLIP (214622) (2 REQ'D PER ROOF PANEL)
STIFFENER & REFERENCE

EXTERIOR LADDER

FOR RAFTERED ROOF: SEE ROOF INSTALLATION DRAWING FOR RIB CLIP PLACEMENT

ADDITIONAL CENTER CLIP #214622
ADDITIONAL CENTER CLIP #214622
RIB CLIP (214520) (36 REQ'D)

22 1/2 SPACES
48’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

48’ ROOF (SINGLE STAGE)
51’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET
54' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

REFERENCES:

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

54' ROOF
57’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

57' ROOF

www.SCAFCOgrain.com SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

60' Roof Center Clip Details

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

60' ROOF
63’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

5 SPACES TYP

REFERENCE RAFTER

RIB CLIP (214520) (36 REQ’D)

ADDITIONAL CENTER CLIP #214622

CENTER CLIP (214622) (1) REQ’D PER ROOF PANEL

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

6 SPACES TYP

REFERENCE RAFTER

CENTER CLIP (214622) (1) REQ’D PER ROOF PANEL

ADDITIONAL CENTER CLIP #214622

RIB CLIP (214520) (63 REQ’D)

FOR RAFTED ROOF:
SEE ROOF INSTALLATION DRAWING FOR RIB CLIP PLACEMENT

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

63’ ROOF
66’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

66’ ROOF
72’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

REFERENCE RAFTER

RIB CLIP (214520) (36 REQ’D)
ADDITIONAL CENTER CLIP #214622

CENTER CLIP (214622) (1) REQ’D PER ROOF PANEL

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

REFERENCE RAFTER Q

CENTER CLIP (214622) (1) REQ’D PER ROOF PANEL

RIB CLIP (214520) (72 REQ’D)

FOR RAFTED ROOF:
SEE ROOF INSTALLATION DRAWING FOR RIB CLIP PLACEMENT

EXTERIOR LADDER Q

22 SPACES

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

72’ ROOF
75' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

75' ROOF
87' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

ADDITIONAL CENTER CLIP #214622

RIB CLIP (214520) (36 REQ'D)

CENTER CLIP (214622) (1) REQ'D PER ROOF PANEL

REFERENCE RAFTER

5 SPACES TYP

10 SPACES TYP

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

ADDITIONAL CENTER CLIP #214622

CENTER CLIP (214622) (87 REQ'D)

REFERENCE RAFTER &

6 SPACES TYP

12 SPACES TYP

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

87' ROOF
90' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

90' ROOF
102' Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8" [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

102' ROOF
**105’ Roof Center Clip Details**

**NOTES:**
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

**VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS**

**VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET**

**105’ ROOF**
114’ Roof Center Clip Details

NOTES:
1) 1 SPACE = 3 1/8” [79]
2) SEE PAGE 3 FOR HARDWARE INSTALLATION DETAIL
3) VIEW FROM OUTSIDE BIN
4) VERTICAL SEAM QUANTITY MAY VARY

VIEW OF TRANSITION STRIP BETWEEN UPPER & LOWER ROOFS

VIEW SHOWING CENTER & RIB CLIP CONNECTION TO TOP WALL SHEET

114’ ROOF