

RIGID CLIP CONNECTOR (RCC)

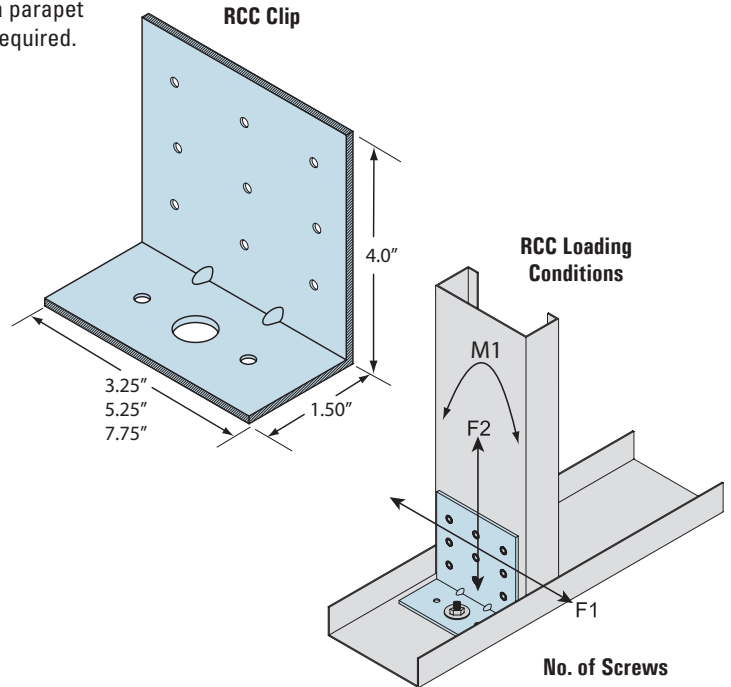
Rigid Clip Connectors (RCC) are used to rigidly attach the bottom of a parapet stud to the structure, or where high tension or rotational restraint is required.

MATERIAL: 12ga (97 mil), 50 ksi

FINISH: Galvanized G90

INSTALLATION:

- Attach long leg of Rigid Clip Connector to web of stud with #10–16 screws through pre-punched holes.
- Attach short leg of Rigid Clip Connector to structure with a 1/2" anchor bolt per Project Engineer's design.



Allowable Strength of RCC in Moment (M1)

CFS Member		Allowable Strength (in-kips) Flexibility (Rad/in-lb x10 ⁹)					
Thickness (mils/ga)	Fy (ksi)	RCC358		RCC600		RCC800	
		No. of Screws 3	No. of Screws 6	No. of Screws 3	No. of Screws 6	No. of Screws 5	No. of Screws 10
33 (20)	33	0.82	1.51	1.79	2.29	2.78	3.00
		29.3	17.4	7.28	5.9	8.21	2.92
43 (18)	33	0.82	1.51	1.79	2.29	2.78	3.00
		29.3	17.4	7.28	5.9	8.21	2.92
54 (16)	50	1.43	1.51	3.23	3.23	3.46	5.91
		29.3	17.4	7.28	5.9	8.21	2.92
68 (14)	50	1.43	2.32	3.22	3.22	3.46	5.71
		29.3	17.4	7.28	5.9	8.21	2.92
97 (12)	50	1.43	2.32	3.22	3.22	3.46	5.71
		29.3	17.4	7.28	5.9	8.21	2.92

Rigid Clip Connector (RCC)

Model No.	Stud Size	Dimensions (in.)	Box Quantity
RCC358	3-5/8"	1-1/2 x 4 x 3-1/4	50
RCC600	6"	1-1/2 x 4 x 5-1/4	50
RCC800	8"	1-1/2 x 4 x 7-3/4	25

Allowable Strength of RCC in Tension/Compression (F2)

CFS Member		Allowable Strength (lbs)					
Thickness (mils/ga)	Fy (ksi)	RCC358		RCC600		RCC800	
		No. of Screws 3	No. of Screws 6	No. of Screws 3	No. of Screws 6	No. of Screws 5	No. of Screws 10
33 (20)	33	530	1,060	530	1,060	884	1,767
43 (18)	33	789	1,578	789	1,578	1,315	2,116
54 (16)	50	1,602	2,116	1,602	2,116	2,116	2,116
68 (14)	50	1,640	2,116	1,640	2,116	2,116	2,116
97 (12)	50	1,640	2,116	1,640	2,116	2,116	2,116

Allowable Strength of RCC in Shear (F1)

CFS Member		Allowable Strength (lbs)					
Thickness (mils/ga)	Fy (ksi)	RCC358		RCC600		RCC800	
		No. of Screws 3	No. of Screws 6	No. of Screws 3	No. of Screws 6	No. of Screws 5	No. of Screws 10
33 (20)	33	450	450	600	710	850	850
43 (18)	33	450	450	600	710	850	850
54 (16)	50	840	1,000	1,250	1,500	1,860	1,990
68 (14)	50	840	1,000	1,250	1,500	1,860	1,990
97 (12)	50	840	1,000	1,250	1,500	1,860	1,990

Notes:

1. Tabulated values are based on #10-16 screws with ultimate shear capacity of 1,600 lbs per screw.
2. Allowable loads have not been increased for wind or seismic.
3. Tabulated loads are based on 1/2" diameter bolt with 1/2" Type A plain washer with a nominal outside diameter of 1.062" & nominal thickness of 0.095".
4. It is the responsibility of the design professional to design the connection of the RCC to the supporting structure.
5. Use linear interaction for combination of F1, F2, and M1.
6. The 1/4" thick Heavy Duty Washer (HDW) meets ASTM A36 Standard Specification for Carbon Structural Steel and is made from hot rolled flat bar and painted gray for corrosion resistance.

