

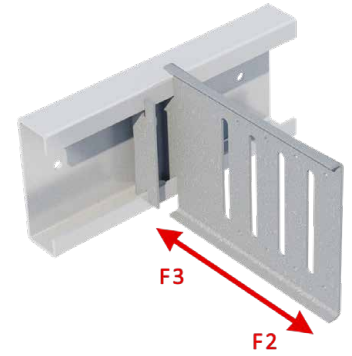
DRIFT RAIL AND CLIP (DRC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURAL: **DESIGNED BY OTHERS**
ATTACHMENT TO STUD: **AS A DEFLECTION CONNECTION**

Drift Rail and Clip - 12ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS
USING CLIP AS A DEFLECTION CONNECTION

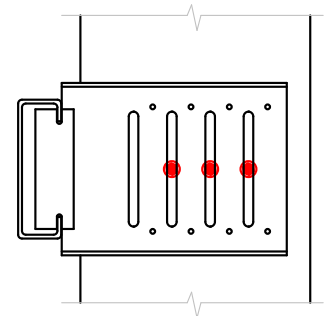
| Clip designation | Stud gauge (mils) | Framing Connection | | ASD Allowable Loads (lbs) | |
|------------------|-------------------|--------------------|---------------|---------------------------|------------------|
| | | Screw Pattern | No. of Screws | F2 (Tension) | F3 (Compression) |
| DRC3-97 | 20ga (33mil) | See Figure | (2) x #14 | 560 | 600 |
| | 18ga (43mil) | | (2) x #14 | 655 | 670 |
| | 16ga (54mil) | | (2) x #14 | 1000 | 970 |
| | 14ga (68mil) | | (2) x #14 | 1085 | 1325 |
| | 12ga (97mil) | | (2) x #14 | 1085 | 2040 |
| DRC6-97 | 20ga (33mil) | See Figure | (3) x #14 | 560 | 600 |
| | 18ga (43mil) | | (3) x #14 | 655 | 670 |
| | 16ga (54mil) | | (3) x #14 | 1000 | 970 |
| | 14ga (68mil) | | (3) x #14 | 1085 | 1325 |
| | 12ga (97mil) | | (3) x #14 | 1085 | 2040 |
| DRC8-97 | 20ga (33mil) | See Figure | (3) x #14 | 560 | 620 |
| | 18ga (43mil) | | (3) x #14 | 655 | 730 |
| | 16ga (54mil) | | (3) x #14 | 1000 | 1060 |
| | 14ga (68mil) | | (3) x #14 | 1085 | 1340 |
| | 12ga (97mil) | | (3) x #14 | 1085 | 1965 |



Drift Rail and Clip - 14ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS
USING CLIP AS A DEFLECTION CONNECTION

| Clip designation | Stud gauge (mils) | Framing Connection | | ASD Allowable Loads (lbs) | |
|------------------|-------------------|--------------------|---------------|---------------------------|------------------|
| | | Screw Pattern | No. of Screws | F2 (Tension) | F3 (Compression) |
| DRC3-68 | 20ga (33mil) | See Figure | (2) x #14 | 490 | 440 |
| | 18ga (43mil) | | (2) x #14 | 540 | 520 |
| | 16ga (54mil) | | (2) x #14 | 850 | 870 |
| | 14ga (68mil) | | (2) x #14 | 850 | 1170 |
| | 12ga (97mil) | | (2) x #14 | 850 | 1600 |
| DRC6-68 | 20ga (33mil) | See Figure | (3) x #14 | 490 | 440 |
| | 18ga (43mil) | | (3) x #14 | 540 | 520 |
| | 16ga (54mil) | | (3) x #14 | 850 | 870 |
| | 14ga (68mil) | | (3) x #14 | 850 | 1170 |
| | 12ga (97mil) | | (3) x #14 | 850 | 1600 |
| DRC8-68 | 20ga (33mil) | See Figure | (3) x #14 | 490 | 485 |
| | 18ga (43mil) | | (3) x #14 | 540 | 620 |
| | 16ga (54mil) | | (3) x #14 | 850 | 900 |
| | 14ga (68mil) | | (3) x #14 | 850 | 1105 |
| | 12ga (97mil) | | (3) x #14 | 850 | 1710 |



(3) #14 Deflection Screw Pattern
Shown in a DRC6 Clip

Notes:

- 1 Allowable loads (ASD) listed are for Drift Rail Clip to stud only (framing connection).
- 2 Drift Rail attachment to structure designed by others. Drift Rail attachment to the structure should occur at every 6" o.c., and each connection capacity should satisfy the design load requirement of the project. Listed Drift Rail clip load capacities must be evaluated along with clip-to-structure connection capacity to establish the governing load capacity of the assembly.
- 3 Allowable loads have not been increased for wind, seismic, or other factors.
- 4 Minimum (2) x #14 shouldered screws (for DRC3) and (3) x #14 shouldered screws (for DRC6 and DRC8) must be used to secure the Drift Rail Clip for attachment to stud (#14 shouldered screws provided with each Drift Rail Clip).
- 5 It is the responsibility of the designer to properly detail connections on the contract drawings.

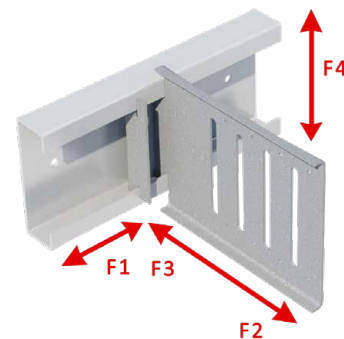
DRIFT RAIL AND CLIP (DRC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURAL: **DESIGNED BY OTHERS**
 ATTACHMENT TO STUD: **FIXED CONNECTION W/(4)#10-16**

Drift Rail and Clip - 12ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS
 USING CLIP AS A FIXED CONNECTION

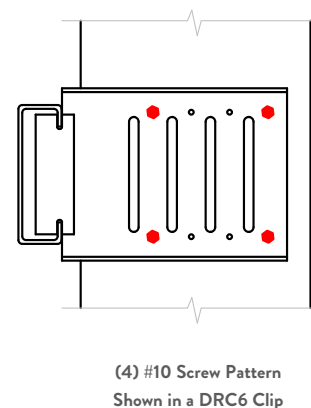
| Clip designation | Stud gauge (mils) | Framing Connection | | ASD Allowable Loads (lbs) | | | |
|------------------|-------------------|--------------------|---------------|---------------------------|--------------|------------------|------------|
| | | Screw Pattern | No. of Screws | F1 (In-Plane) | F2 (Tension) | F3 (Compression) | F4 (Shear) |
| DRC3-97 | 20ga (33mil) | See Figure | (4) x #10 | 155 | 560 | 600 | 280 |
| | 18ga (43mil) | | (4) x #10 | 155 | 655 | 670 | 415 |
| | 16ga (54mil) | | (4) x #10 | 155 | 1000 | 970 | 840 |
| | 14ga (68mil) | | (4) x #10 | 155 | 1085 | 1325 | 865 |
| | 12ga (97mil) | | (4) x #10 | 155 | 1085 | 2040 | 865 |
| DRC6-97 | 20ga (33mil) | See Figure | (4) x #10 | 155 | 560 | 600 | 235 |
| | 18ga (43mil) | | (4) x #10 | 155 | 655 | 670 | 345 |
| | 16ga (54mil) | | (4) x #10 | 155 | 1000 | 970 | 705 |
| | 14ga (68mil) | | (4) x #10 | 155 | 1085 | 1325 | 725 |
| | 12ga (97mil) | | (4) x #10 | 155 | 1085 | 2040 | 725 |
| DRC8-97 | 20ga (33mil) | See Figure | (4) x #10 | 140 | 560 | 620 | 240 |
| | 18ga (43mil) | | (4) x #10 | 140 | 655 | 730 | 360 |
| | 16ga (54mil) | | (4) x #10 | 140 | 1000 | 1060 | 725 |
| | 14ga (68mil) | | (4) x #10 | 140 | 1085 | 1340 | 745 |
| | 12ga (97mil) | | (4) x #10 | 140 | 1085 | 1965 | 745 |



Drift Rail and Clip - 14ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS
 USING CLIP AS A FIXED CONNECTION

| Clip designation | Stud gauge (mils) | Framing Connection | | ASD Allowable Loads (lbs) | | | |
|------------------|-------------------|--------------------|---------------|---------------------------|--------------|------------------|------------|
| | | Screw Pattern | No. of Screws | F1 (In-Plane) | F2 (Tension) | F3 (Compression) | F4 (Shear) |
| DRC3-68 | 20ga (33mil) | See Figure | (4) x #10 | 115 | 490 | 440 | 280 |
| | 18ga (43mil) | | (4) x #10 | 115 | 540 | 520 | 415 |
| | 16ga (54mil) | | (4) x #10 | 115 | 850 | 870 | 740 |
| | 14ga (68mil) | | (4) x #10 | 115 | 850 | 1170 | 740 |
| | 12ga (97mil) | | (4) x #10 | 115 | 850 | 1600 | 805 |
| DRC6-68 | 20ga (33mil) | See Figure | (4) x #10 | 115 | 490 | 440 | 235 |
| | 18ga (43mil) | | (4) x #10 | 115 | 540 | 520 | 345 |
| | 16ga (54mil) | | (4) x #10 | 115 | 850 | 870 | 705 |
| | 14ga (68mil) | | (4) x #10 | 115 | 850 | 1170 | 725 |
| | 12ga (97mil) | | (4) x #10 | 115 | 850 | 1600 | 725 |
| DRC8-68 | 20ga (33mil) | See Figure | (4) x #10 | 120 | 490 | 485 | 240 |
| | 18ga (43mil) | | (4) x #10 | 120 | 540 | 620 | 360 |
| | 16ga (54mil) | | (4) x #10 | 120 | 850 | 900 | 725 |
| | 14ga (68mil) | | (4) x #10 | 120 | 850 | 1105 | 745 |
| | 12ga (97mil) | | (4) x #10 | 120 | 850 | 1710 | 745 |



Notes:

- 1 Allowable loads (ASD) listed are for Drift Rail Clip to stud only (framing connection).
- 2 Drift Rail attachment to structure designed by others. Drift Rail attachment to the structure should occur at every 6" o.c., and each connection capacity should satisfy the design load requirement of the project. Listed Drift Rail clip load capacities must be evaluated along with clip-to-structure connection capacity to establish the governing load capacity of the assembly.
- 3 Allowable loads have not been increased for wind, seismic, or other factors.
- 4 Minimum (4) x #10-16 screws must be used to secure the Drift Rail Clip for attachment to stud.
- 5 It is the responsibility of the designer to properly detail connections on the contract drawings.
- 6 F1 (In-Plane) loads are based on using a Drift Locking Clip (DRLC) or Drift Locking Angle (DRLA) restricting Drift Clip lateral movement.

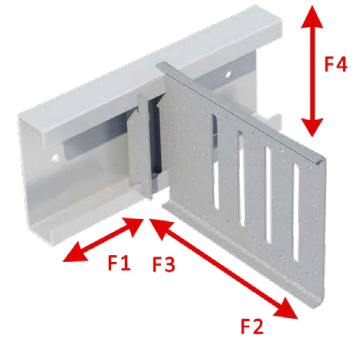
DRIFT RAIL AND CLIP (DRC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURAL: **DESIGNED BY OTHERS**
 ATTACHMENT TO STUD: **FIXED CONNECTION W/(8)#10-16**

Drift Rail and Clip - 12ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS
 USING CLIP AS A FIXED CONNECTION

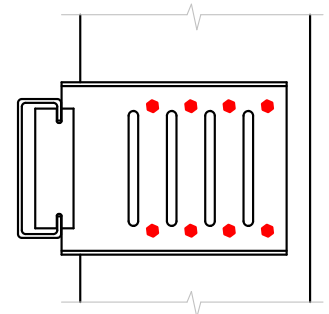
| Clip designation | Stud gauge (mils) | Framing Connection | | ASD Allowable Loads (lbs) | | | |
|------------------|-------------------|--------------------|---------------|---------------------------|--------------|------------------|------------|
| | | Screw Pattern | No. of Screws | F1 (In-Plane) | F2 (Tension) | F3 (Compression) | F4 (Shear) |
| DRC6-97 | 20ga (33mil) | See Figure | (8) x #10 | 155 | 560 | 600 | 395 |
| | 18ga (43mil) | | (8) x #10 | 155 | 655 | 670 | 585 |
| | 16ga (54mil) | | (8) x #10 | 155 | 1000 | 970 | 875 |
| | 14ga (68mil) | | (8) x #10 | 155 | 1085 | 1325 | 920 |
| | 12ga (97mil) | | (8) x #10 | 155 | 1085 | 2040 | 920 |
| DRC8-97 | 20ga (33mil) | See Figure | (8) x #10 | 140 | 560 | 620 | 375 |
| | 18ga (43mil) | | (8) x #10 | 140 | 655 | 730 | 555 |
| | 16ga (54mil) | | (8) x #10 | 140 | 1000 | 1060 | 910 |
| | 14ga (68mil) | | (8) x #10 | 140 | 1085 | 1340 | 910 |
| | 12ga (97mil) | | (8) x #10 | 140 | 1085 | 1965 | 910 |



Drift Rail and Clip - 14ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS
 USING CLIP AS A FIXED CONNECTION

| Clip designation | Stud gauge (mils) | Framing Connection | | ASD Allowable Loads (lbs) | | | |
|------------------|-------------------|--------------------|---------------|---------------------------|--------------|------------------|------------|
| | | Screw Pattern | No. of Screws | F1 (In-Plane) | F2 (Tension) | F3 (Compression) | F4 (Shear) |
| DRC6-68 | 20ga (33mil) | See Figure | (8) x #10 | 115 | 490 | 440 | 395 |
| | 18ga (43mil) | | (8) x #10 | 115 | 540 | 520 | 585 |
| | 16ga (54mil) | | (8) x #10 | 115 | 850 | 870 | 740 |
| | 14ga (68mil) | | (8) x #10 | 115 | 850 | 1170 | 740 |
| | 12ga (97mil) | | (8) x #10 | 115 | 850 | 1600 | 805 |
| DRC8-68 | 20ga (33mil) | See Figure | (8) x #10 | 120 | 490 | 485 | 375 |
| | 18ga (43mil) | | (8) x #10 | 120 | 540 | 620 | 555 |
| | 16ga (54mil) | | (8) x #10 | 120 | 850 | 900 | 800 |
| | 14ga (68mil) | | (8) x #10 | 120 | 850 | 1105 | 800 |
| | 12ga (97mil) | | (8) x #10 | 120 | 850 | 1710 | 865 |



(8) #10 Screw Pattern
 Shown in a DRC6 Clip

Notes:

- 1 Allowable loads (ASD) listed are for Drift Rail Clip to stud only (framing connection).
- 2 Drift Rail attachment to structure designed by others. Drift Rail attachment to the structure should occur at every 6" o.c., and each connection capacity should satisfy the design load requirement of the project. Listed Drift Rail clip load capacities must be evaluated along with clip-to-structure connection capacity to establish the governing load capacity of the assembly.
- 3 Allowable loads have not been increased for wind, seismic, or other factors.
- 4 Minimum (4) x #10-16 screws must be used to secure the Drift Rail Clip for attachment to stud.
- 5 It is the responsibility of the designer to properly detail connections on the contract drawings.
- 6 F1 (In-Plane) loads are based on using a Drift Locking Clip (DRLC) or Drift Locking Angle (DRLA) restricting Drift Clip lateral movement.