

# Reversed HR-36™ Wall

## 18-24 Gauge Architectural Panels

Allowable Load (lbs/ft²)

| Gauge | Span | Condition | SPAN |     |     |     |     |    |    |    |
|-------|------|-----------|------|-----|-----|-----|-----|----|----|----|
|       |      |           | 5    | 6   | 7   | 8   | 9   | 10 | 11 | 12 |
| 24    | SS   | f         | 98   | 68  | 50  | 38  | 30  | 24 | 20 | 17 |
|       |      | L/180     | 78   | 45  | 28  | 19  | 13  | 9  | 7  | 5  |
|       | DS   | f         | 98   | 68  | 50  | 38  | 30  | 24 | 20 | 17 |
|       |      | L/180     | 98   | 68  | 50  | 38  | 30  | 23 | 17 | 13 |
|       | TS   | f         | 122  | 85  | 62  | 48  | 37  | 30 | 25 | 21 |
|       |      | L/180     | 122  | 85  | 53  | 35  | 25  | 18 | 13 | 10 |
| 22    | SS   | f         | 136  | 94  | 69  | 53  | 42  | 34 | 28 | 23 |
|       |      | L/180     | 105  | 60  | 38  | 25  | 18  | 13 | 9  | 7  |
|       | DS   | f         | 136  | 94  | 69  | 53  | 42  | 34 | 28 | 23 |
|       |      | L/180     | 136  | 94  | 69  | 53  | 42  | 31 | 23 | 18 |
|       | TS   | f         | 170  | 118 | 86  | 66  | 52  | 42 | 35 | 29 |
|       |      | L/180     | 170  | 114 | 72  | 48  | 34  | 24 | 18 | 14 |
| 20    | SS   | f         | 177  | 123 | 90  | 69  | 54  | 44 | 36 | 30 |
|       |      | L/180     | 133  | 77  | 48  | 32  | 22  | 16 | 12 | 9  |
|       | DS   | f         | 177  | 123 | 90  | 69  | 54  | 44 | 36 | 30 |
|       |      | L/180     | 177  | 123 | 90  | 69  | 54  | 40 | 30 | 23 |
|       | TS   | f         | 221  | 154 | 113 | 86  | 68  | 55 | 45 | 38 |
|       |      | L/180     | 221  | 145 | 91  | 61  | 43  | 31 | 23 | 18 |
| 18    | SS   | f         | 260  | 180 | 132 | 101 | 80  | 65 | 53 | 45 |
|       |      | L/180     | 184  | 106 | 67  | 45  | 31  | 23 | 17 | 13 |
|       | DS   | f         | 260  | 180 | 132 | 101 | 80  | 65 | 53 | 45 |
|       |      | L/180     | 260  | 180 | 132 | 101 | 75  | 55 | 41 | 32 |
|       | TS   | f         | 325  | 225 | 165 | 126 | 100 | 81 | 67 | 56 |
|       |      | L/180     | 325  | 201 | 126 | 84  | 59  | 43 | 32 | 25 |

Allowable Span (ft.- in)

| Gauge | Span | Condition | Allowable Load (psf) |       |       |       |      |      |
|-------|------|-----------|----------------------|-------|-------|-------|------|------|
|       |      |           | 10                   | 20    | 25    | 30    | 40   | 50   |
| 24    | SS   | f         | 15-8                 | 11-1  | 9-11  | 9-0   | 7-10 | 7-0  |
|       |      | L/180     | 9-11                 | 7-10  | 7-3   | 6-10  | 6-3  | 5-9  |
|       | DS   | f         | 15-8                 | 11-1  | 9-11  | 9-0   | 7-10 | 7-0  |
|       |      | L/180     | 13-3                 | 10-6  | 9-9   | 9-0   | 7-10 | 7-0  |
|       | TS   | f         | 17-6                 | 12-4  | 11-1  | 10-1  | 8-9  | 7-10 |
|       |      | L/180     | 12-3                 | 9-8   | 9-0   | 8-5   | 7-7  | 7-2  |
| 22    | SS   | f         | 18-5                 | 13-0  | 11-8  | 10-7  | 9-2  | 8-3  |
|       |      | L/180     | 10-11                | 8-8   | 8-0   | 7-7   | 6-10 | 6-4  |
|       | DS   | f         | 18-5                 | 13-0  | 11-8  | 10-7  | 9-2  | 8-3  |
|       |      | L/180     | 14-8                 | 11-7  | 10-9  | 10-2  | 9-2  | 8-3  |
|       | TS   | f         | 20-7                 | 14-7  | 13-0  | 11-10 | 10-3 | 9-2  |
|       |      | L/180     | 13-6                 | 10-8  | 9-11  | 9-4   | 8-6  | 7-10 |
| 20    | SS   | f         | 21-0                 | 14-10 | 13-3  | 12-1  | 10-6 | 9-5  |
|       |      | L/180     | 11-10                | 9-4   | 8-8   | 8-2   | 7-5  | 6-11 |
|       | DS   | f         | 21-0                 | 14-10 | 13-3  | 12-1  | 10-6 | 9-5  |
|       |      | L/180     | 15-10                | 12-7  | 11-8  | 11-0  | 10-0 | 9-3  |
|       | TS   | f         | 23-6                 | 16-7  | 14-10 | 13-7  | 11-9 | 10-6 |
|       |      | L/180     | 14-7                 | 11-7  | 10-9  | 10-1  | 9-2  | 8-6  |
| 18    | SS   | f         | 25-5                 | 18-0  | 16-1  | 14-8  | 12-8 | 11-4 |
|       |      | L/180     | 13-2                 | 10-5  | 9-8   | 9-1   | 8-3  | 7-8  |
|       | DS   | f         | 25-5                 | 18-0  | 16-1  | 14-8  | 12-8 | 11-4 |
|       |      | L/180     | 17-8                 | 14-0  | 13-0  | 12-3  | 11-1 | 10-4 |
|       | TS   | f         | 28-6                 | 20-1  | 18-0  | 16-5  | 14-3 | 12-8 |
|       |      | L/180     | 16-3                 | 12-11 | 12-0  | 11-3  | 10-3 | 9-6  |

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume®) with 40,000 psi minimum yield.
- Values are based on the American Iron Steel Institute (AISI) "Cold Formed Steel Design Manual" (1996 Edition).
- Tabulated values include stress increase by a factor of 1.33 for wind loading.

Specifications subject to change without notice.

### Loading Table Legend

f-Load limited by flexural bending stress  
L-Span

L/xxx-Load limited by deflection

SS

Single span

DS

Double span

TS

Triple span

