

| PrimeStud Stud Allowable Span Table - Fully Braced |                    |                                |                               |                         |                    |           |         |         |           |          | Non-Composite |           |           |         |  |  |
|--|--------------------|--------------------------------|-------------------------------|-------------------------|--------------------|-----------|---------|---------|-----------|----------|---------------|-----------|-----------|---------|--|--|
|  | DESCRIPTION        |                                |                               |                         |                    | 5 PSF     |         |         | 7.5 PSF   |          |               | 10 PSF    |           |         |  |  |
|  | Member Designation | Minimum Steel Thickness (inch) | Design Steel Thickness (inch) | Min. Yield Stress (ksi) | Spacing O.C. (in.) | L/120     | L/240   | L/360   | L/120     | L/240    | L/360         | L/120     | L/240     | L/360   |  |  |
| 15 MIL STUDS                                       | 162PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 9'-3"     | 7'-4"   | 6'-5"   | 8'-1"     | 6'-5"    | 5'-7"         | 7'-4"     | 5'-10"    | 5'-1"   |  |  |
|  |                    |                                |                               |                         | 16                 | 8'-5"     | 6'-8"   | 5'-10"  | 7'-4"     | 5'-10"   | 5'-1"         | 6'-6" f   | 5'-3"     | 4'-7"   |  |  |
|  |                    |                                |                               |                         | 24                 | 7'-4"     | 5'-10"  | 5'-1"   | 6'-1" f   | 5'-1"    | 4'-5"         | 5'-3" f   | 4'-7"     | 4'-0"   |  |  |
|  | 250PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 12'-10"   | 10'-2"  | 8'-10"  | 11'-2"    | 8'-10"   | 7'-9"         | 9'-10" f  | 8'-1"     | 7'-0"   |  |  |
|  |                    |                                |                               |                         | 16                 | 11'-8"    | 9'-3"   | 8'-1"   | 9'-10" f  | 8'-1"    | 7'-0"         | 8'-6" f   | 7'-4"     | 6'-5"   |  |  |
|  |                    |                                |                               |                         | 24                 | 9'-10" f  | 8'-1"   | 7'-0"   | 8'-1" f   | 7'-0"    | 6'-2"         | 7'-0" f   | 6'-5"     | 5'-7"   |  |  |
|  | 362PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 17'-0"    | 13'-6"  | 11'-9"  | 14'-4" f  | 11'-9"   | 10'-3"        | 12'-5" f  | 10'-8"    | 9'-4"   |  |  |
|  |                    |                                |                               |                         | 16                 | 15'-3" f  | 12'-3"  | 10'-8"  | 12'-5" f  | 10'-8"   | 9'-4"         | 10'-9" f  | 9'-8"     | 8'-6"   |  |  |
|  |                    |                                |                               |                         | 24                 | 12'-5" f  | 10'-8"  | 9'-4"   | 10'-2" f  | 9'-4"    | 8'-2"         | 8'-9" f   | 8'-6"     | 7'-5"   |  |  |
|  | 400PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 18'-4"    | 14'-6"  | 12'-8"  | 15'-3" f  | 12'-8"   | 11'-1"        | 13'-2" f  | 11'-6"    | 10'-1"  |  |  |
|  |                    |                                |                               |                         | 16                 | 16'-1" f  | 13'-2"  | 11'-6"  | 13'-2" f  | 11'-6"   | 10'-1"        | 11'-5" f  | 10'-6"    | 9'-2"   |  |  |
|  |                    |                                |                               |                         | 24                 | 13'-2" f  | 11'-6"  | 10'-1"  | 10'-9"    | 10'-1"   | 8'-9"         | 9'-4" f   | 9'-2"     | 8'-0"   |  |  |
|  | 600PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 23'-9" f  | 19'-10" | 17'-4"  | 19'-5" f  | 17'-4"   | 15'-2"        | 16'-10" f | 15'-9"    | 13'-9"  |  |  |
|  |                    |                                |                               |                         | 16                 | 20'-8" f  | 18'-0"  | 15'-9"  | 16'-10" f | 15'-9"   | 13'-9"        | 14'-7" f  | 14'-3"    | 12'-6"  |  |  |
|  |                    |                                |                               |                         | 24                 | 16'-10" f | 15'-9"  | 13'-9"  | 13'-9" f  | 13'-9" f | 12'-0"        | 11'-11" f | 11'-11" f | 10'-11" |  |  |
| 24 MIL STUDS                                       | 162PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 11'-2"    | 8'-10"  | 7'-9"   | 9'-9"     | 7'-9"    | 6'-9"         | 8'-10"    | 7'-0"     | 6'-2"   |  |  |
|  |                    |                                |                               |                         | 16                 | 10'-2"    | 8'-1"   | 7'-0"   | 8'-10"    | 7'-0"    | 6'-2"         | 8'-1"     | 6'-5"     | 5'-7"   |  |  |
|  |                    |                                |                               |                         | 24                 | 8'-10"    | 7'-0"   | 6'-2"   | 7'-9"     | 6'-2"    | 5'-4"         | 7'-0"     | 5'-7"     | 4'-10"  |  |  |
|  | 250PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 15'-6"    | 12'-3"  | 10'-9"  | 13'-6"    | 10'-9"   | 9'-4"         | 12'-4"    | 9'-9"     | 8'-6"   |  |  |
|  |                    |                                |                               |                         | 16                 | 14'-1"    | 11'-2"  | 9'-9"   | 12'-4"    | 9'-9"    | 8'-6"         | 11'-2"    | 8'-10"    | 7'-9"   |  |  |
|  |                    |                                |                               |                         | 24                 | 12'-4"    | 9'-9"   | 8'-6"   | 10'-9"    | 8'-6"    | 7'-5"         | 9'-5" f   | 7'-9"     | 6'-9"   |  |  |
|  | 362PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 20'-6"    | 16'-3"  | 14'-3"  | 17'-11"   | 14'-3"   | 12'-5"        | 16'-3"    | 12'-11"   | 11'-3"  |  |  |
|  |                    |                                |                               |                         | 16                 | 18'-8"    | 14'-9"  | 12'-11" | 16'-3"    | 12'-11"  | 11'-3"        | 14'-8" f  | 11'-9"    | 10'-3"  |  |  |
|  |                    |                                |                               |                         | 24                 | 16'-3"    | 12'-11" | 11'-3"  | 13'-10" f | 11'-3"   | 9'-10"        | 12'-0" f  | 10'-3"    | 8'-11"  |  |  |
|  | 400PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 22'-2"    | 17'-7"  | 15'-4"  | 19'-4"    | 15'-4"   | 13'-5"        | 17'-7"    | 13'-11"   | 12'-2"  |  |  |
|  |                    |                                |                               |                         | 16                 | 20'-1"    | 15'-11" | 13'-11" | 17'-7"    | 13'-11"  | 12'-2"        | 15'-7" f  | 12'-8"    | 11'-1"  |  |  |
|  |                    |                                |                               |                         | 24                 | 17'-7"    | 13'-11" | 12'-2"  | 14'-8" f  | 12'-2"   | 10'-7"        | 12'-9" f  | 11'-1"    | 9'-8"   |  |  |
|  | 600PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 30'-4"    | 24'-1"  | 21'-0"  | 26'-6"    | 21'-0"   | 18'-4"        | 23'-2" f  | 19'-1"    | 16'-8"  |  |  |
|  |                    |                                |                               |                         | 16                 | 27'-7"    | 21'-10" | 19'-1"  | 23'-2" f  | 19'-1"   | 16'-8"        | 20'-0"    | 17'-4"    | 15'-2"  |  |  |
|  |                    |                                |                               |                         | 24                 | 23'-2" f  | 19'-1"  | 16'-8"  | 18'-11" f | 16'-8"   | 14'-7"        | 16'-4" f  | 16'-4" f  | 13'-3"  |  |  |

"f" - flexure controls. If no letter appears, deflection controls.

Notes:

1. Limiting heights are in accordance with AISI S100-07/S2-10 using all steel non-composite design.

2. Limiting heights are established by considering flexure, shear, web crippling, and deflection.

3. Maximum discrete bracing at 48" o.c.

4. Lateral wall loads have not been reduced for strength or deflection. The full wall lateral load is applied.

5. No web stiffeners are required for studs with h/t > 200, web crippling and shear values have been confirmed by testing and reported in the PrimeStud properties table.

6. The factory punchouts are in accordance with section C5 of AISI S201-07.

| PrimeStud Stud Allowable Span Table - Braced @ 48" o.c. |                    |                                |                               |                         |                    |           |          |         |           |          | Non-Composite |           |          |          |  |  |
|---|--------------------|--------------------------------|-------------------------------|-------------------------|--------------------|-----------|----------|---------|-----------|----------|---------------|-----------|----------|----------|--|--|
|   | DESCRIPTION        |                                |                               |                         |                    | 5 PSF     |          |         | 7.5 PSF   |          |               | 10 PSF    |          |          |  |  |
|   | Member Designation | Minimum Steel Thickness (inch) | Design Steel Thickness (inch) | Min. Yield Stress (ksi) | Spacing O.C. (in.) | L/120     | L/240    | L/360   | L/120     | L/240    | L/360         | L/120     | L/240    | L/360    |  |  |
| 15 MIL STUDS  | 162PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 9'-3"     | 7'-4"    | 6'-5"   | 7'-11" f  | 6'-5"    | 5'-7"         | 6'-10" f  | 5'-10"   | 5'-1"    |  |  |
|   |                    |                                |                               |                         | 16                 | 8'-5" f   | 6'-8"    | 5'-10"  | 6'-10" f  | 5'-10"   | 5'-1"         | 5'-11" f  | 5'-3"    | 4'-7"    |  |  |
|   |                    |                                |                               |                         | 24                 | 6'-10" f  | 5'-10"   | 5'-1"   | 5'-7" f   | 5'-1"    | 4'-5"         | 4'-10" f  | 4'-7"    | 4'-0"    |  |  |
|   | 250PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 12'-9" f  | 10'-2"   | 8'-10"  | 10'-5" f  | 8'-10"   | 7'-9"         | 9'-0" f   | 8'-1"    | 7'-0"    |  |  |
|   |                    |                                |                               |                         | 16                 | 11'-1" f  | 9'-3"    | 8'-1"   | 9'-0" f   | 8'-1"    | 7'-0"         | 7'-10" f  | 7'-4"    | 6'-5"    |  |  |
|   |                    |                                |                               |                         | 24                 | 9'-0" f   | 8'-1"    | 7'-0"   | 7'-4" f   | 7'-0"    | 6'-2"         | 6'-4" f   | 6'-4" f  | 5'-7"    |  |  |
|   | 362PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 16'-1" f  | 13'-6"   | 11'-9"  | 13'-2" f  | 11'-9"   | 10'-3"        | 11'-4" f  | 10'-8"   | 9'-4"    |  |  |
|   |                    |                                |                               |                         | 16                 | 13'-11" f | 12'-3"   | 10'-8"  | 11'-4" f  | 10'-8"   | 9'-4"         | 9'-10" f  | 9'-8"    | 8'-6"    |  |  |
|   |                    |                                |                               |                         | 24                 | 11'-4" f  | 10'-8"   | 9'-4"   | 9'-3" f   | 9'-3" f  | 8'-2"         | 8'-0" f   | 8'-0" f  | 7'-5"    |  |  |
|   | 400PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 17'-0" f  | 14'-6"   | 12'-8"  | 13'-11" f | 12'-8"   | 11'-1"        | 12'-0" f  | 11'-6"   | 10'-1"   |  |  |
|   |                    |                                |                               |                         | 16                 | 14'-9" f  | 13'-2"   | 11'-6"  | 12'-0" f  | 11'-6"   | 10'-1"        | 10'-5" f  | 10'-5" f | 9'-2"    |  |  |
|   |                    |                                |                               |                         | 24                 | 12'-0" f  | 11'-6"   | 10'-1"  | 9'-10" f  | 9'-10" f | 8'-9"         | 8'-6" f   | 8'-6" f  | 8'-0"    |  |  |
|   | 600PS125-15        | 0.015                          | 0.0158                        | 41                      | 12                 | 21'-3" f  | 19'-10"  | 17'-4"  | 17'-4" f  | 17'-4" f | 15'-2"        | 15'-0" f  | 15'-0" f | 13'-9"   |  |  |
|   |                    |                                |                               |                         | 16                 | 18'-5" f  | 18'-0"   | 15'-9"  | 15'-0" f  | 15'-0" f | 13'-9"        | 13'-0" f  | 13'-0" f | 12'-6"   |  |  |
|   |                    |                                |                               |                         | 24                 | 15'-0" f  | 15'-0" f | 13'-9"  | 12'-3" f  | 12'-3" f | 12'-0"        | 10'-7" f  | 10'-7" f | 10'-7" f |  |  |
| 24 MIL STUDS  | 162PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 11'-2"    | 8'-10"   | 7'-9"   | 9'-9"     | 7'-9"    | 6'-9"         | 8'-10"    | 7'-0"    | 6'-2"    |  |  |
|   |                    |                                |                               |                         | 16                 | 10'-2"    | 8'-1"    | 7'-0"   | 8'-10"    | 7'-0"    | 6'-2"         | 8'-1"     | 6'-5"    | 5'-7"    |  |  |
|   |                    |                                |                               |                         | 24                 | 8'-10"    | 7'-0"    | 6'-2"   | 7'-9"     | 6'-2"    | 5'-4"         | 6'-9" f   | 5'-7"    | 4'-10"   |  |  |
|   | 250PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 15'-6"    | 12'-3"   | 10'-9"  | 13'-6"    | 10'-9"   | 9'-4"         | 12'-4"    | 9'-9"    | 8'-6"    |  |  |
|   |                    |                                |                               |                         | 16                 | 14'-1"    | 11'-2"   | 9'-9"   | 12'-4"    | 9'-9"    | 8'-6"         | 10'-10" f | 8'-10"   | 7'-9"    |  |  |
|   |                    |                                |                               |                         | 24                 | 12'-4"    | 9'-9"    | 8'-6"   | 10'-2" f  | 8'-6"    | 7'-5"         | 8'-10" f  | 7'-9"    | 6'-9"    |  |  |
|   | 362PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 20'-6"    | 16'-3"   | 14'-3"  | 17'-11"   | 14'-3"   | 12'-5"        | 15'-10" f | 12'-11"  | 11'-3"   |  |  |
|   |                    |                                |                               |                         | 16                 | 18'-8"    | 14'-9"   | 12'-11" | 15'-10" f | 12'-11"  | 11'-3"        | 13'-9" f  | 11'-9"   | 10'-3"   |  |  |
|   |                    |                                |                               |                         | 24                 | 15'-10" f | 12'-11"  | 11'-3"  | 12'-11" f | 11'-3"   | 9'-10"        | 11'-2" f  | 10'-3"   | 8'-11"   |  |  |
|   | 400PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 22'-2"    | 17'-7"   | 15'-4"  | 19'-4"    | 15'-4"   | 13'-5"        | 16'-11" f | 13'-11"  | 12'-2"   |  |  |
|   |                    |                                |                               |                         | 16                 | 20'-1"    | 15'-11"  | 13'-11" | 16'-11" f | 13'-11"  | 12'-2"        | 14'-8" f  | 12'-8"   | 11'-1"   |  |  |
|   |                    |                                |                               |                         | 24                 | 16'-11" f | 13'-11"  | 12'-2"  | 13'-9" f  | 12'-2"   | 10'-7"        | 11'-11" f | 11'-1"   | 9'-8"    |  |  |
|   | 600PS137-24        | 0.0236                         | 0.0248                        | 41                      | 12                 | 30'-2" f  | 24'-1"   | 21'-0"  | 24'-8" f  | 21'-0"   | 18'-4"        | 21'-4" f  | 19'-1"   | 16'-8"   |  |  |
|   |                    |                                |                               |                         | 16                 | 26'-2" f  | 21'-10"  | 19'-1"  | 21'-4" f  | 19'-1"   | 16'-8"        | 18'-6" f  | 17'-4"   | 15'-2"   |  |  |
|   |                    |                                |                               |                         | 24                 | 21'-4" f  | 19'-1"   | 16'-8"  | 17'-5" f  | 16'-8"   | 14'-7"        | 15'-1" f  | 15'-1" f | 13'-3"   |  |  |