

Chapter 2 Descriptions of Roofing Products

D. Fasteners

2. Fasteners Used to Secure Steel Roof Decks

Hilti Inc, 5400 S 122nd East Ave, Tulsa OK 74146

Powder-Actuated Steel Deck Fasteners:

Trade Name:	Supporting Steel Thickness
ENK 14 S12, ENK 16 S12	3/16 to 7/16 in. (4.8 to 11 mm)
ENKK, X-EDN 19 THQ12, ENP 2K-20-L15, X-EDNK 22 THQ12, X-EDNK22 THQ12, X-EDNK22 THQ12M	1/8 to 1/4 in. (3.2 to 6.4 mm)
X-EDN19 THQ12, X-EDN19 THQ12M	3/16 to 3/8 in. (4.8 to 9.5 mm)
EDN 16 P8	3/16 to 5/8 in. (4.8 to 16 mm)
EDS 19 P10, EDS 22 P10, ENPH2-21-L15, ENP2-21 L15, ENP2-21 L15MX, ENP2-21 L15MXR, ENPH2-21 L15, ENPH2-21 L15MX, ENPH2-21 L15MXR	3/16 1/4 in. to 7/8 in. (4.8 6.4 to 22 mm)
EDNK 20 P8TH	1/8 to 3/8 in. (3.2 to 9.5 mm)
X-ENP-19 L15, X-ENP-19 L15MX, X-ENP-19 L15MXR	≥ 1/4 in. (greater than or equal to 6.4 mm)

Compressed Air-Actuated Steel Deck Fasteners:

Trade Name:	Supporting Steel Thickness
SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, X-EDNK22 THQ12, X-EDNK22 THQ12M	1/8 to 1/4 in. (3 to 6 mm)
EDN 16 MX	1/8 to 3/8 in. (3 to 9 mm)
ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15,	3/16 to 7/8 in. (4.8 to 22 mm)
X-EDN19 THQ 12, X-EDN19 THQ12, X-EDN19 THQ12M	1/4 to 3/8 in. (6 to 9 mm) 3/16 to 5/16 in. (4.8 to 7.9 mm)

Self-Drilling Lap Fasteners: S-MD 10-16H7/8 ~~10-16H7/8~~ HHWH ~~Stitch~~ Pilot Point and S-MD 12-14x1 HHWH Stitch

Chapter 3 Approved Combinations and Assemblies

ASC Steel Deck, a Division of ASC Profiles Inc , 2110 Enterprise Blvd, West Sacramento CA 95691

Deck:	B-36 Decking
Max Spans:	6 ft 0 in. (1.8 m) for 22 ga. (0.0295 in. [0.75 mm]) 6 ft 6 in. (2.0 m) for 20 ga. (0.0358 in. [0.91 mm]) 7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: Decking is secured to the structural supports spaced at the max center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs (average 12 in. [305 mm] o.c.) and at supports where deck sides lap. Deck side laps are button punched or secured with Hilti S-MD 10-16x7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14x1 HHWH Stitch, ITW Buildex Teks 1, ICH Traxx/1 or Construction Fasteners 14x7/8 HWH Lap-SD, 10x1/2 HWH S/D or 12x3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8x20, SL2-S-4.8x20, SL2-H15-6.3x22, SXL2-5.5x22, SD2-4.8x20 fasteners spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12x3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24x7/8 HWH SD, 12-24x1-1/4 HWH Impax 45, 12x1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X-EDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25.

Deck: DGB-36 Decking
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0295 in. [0.75 mm])
 6 ft 6 in. (2.0 m) for 20 ga. (0.0358 in. [0.91 mm])
 7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #2: Decking is secured to the structural supports spaced at the max center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs (average 12 in. [305 mm] o.c.) and at supports where deck sides lap. Deck side laps are secured with DeltaGrip™ seam attachments spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3.4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7.8 HWH SD, 12-24×11.4 HWH Impax 45, 12×11.4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12, X EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25.

Canam Manac Group Inc , 270 Chemin du Tremblay, Boucherville, Quebec J4B 5X9, Canada

Deck: Type P3606, Type 3615
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0300 in. [0.76 mm])
 6 ft 6 in. (2.0 m) for 20 ga. (0.0359 in. [0.91 mm])
 7 ft 5 in. (2.3 m) for 18 ga. (0.0470 in. [1.19 mm])
 8 ft 2 in. (2.5 m) for 16 ga. (0.0590 in. [1.50 mm])

Construction #1: 22 ga., 20 ga. and 18 ga. [0.0300 in. (0.76 mm), 0.0375 in. (0.95 mm) and 0.0495 in. (1.26 mm) thick] decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1 or ICH Traxx/1 fasteners or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm) thick] spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft (2.1 m), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX,~~

~~EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) Textron Fastening System 12 24 HWH Type 5 DrilltiteR, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Canam Steel Works , 200 Boulevard Industriel, Boucherville, Quebec J4B 2X4, Canada

Deck: Type P3606, Type P3615
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0300 in. [0.76 mm])
 6 ft 6 in. (2.0 m) for 20 ga. (0.0359 in. [0.91 mm])
 7 ft 5 in. (2.3 m) for 18 ga. (0.0470 in. [1.19 mm])
 8 ft 2 in. (2.5 m) for 16 ga. (0.0590 in. [1.51 mm])

Construction #1: 22 ga., 20 ga. and 18 ga. [0.0300 in. (0.76 mm), 0.0375 in. (0.95 mm) and 0.0495 in. (1.26 mm) thick] decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with **Hilti S-MD 10-16×7/8 HHWH Pilot Point, S-MD 12-14×1 HHWH Stitch**, ITW Buildex Teks 1 or ICH Traxx/1 fasteners or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP or Textron Fastening System 10-16×3/4 in. HWH Type 3 DrilltiteR, 12-14×3/4 in. HWH Type 3 DrilltiteR, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm) thick] spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft (2.1 m), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) Textron Fastening System 12 24 HWH Type 5 DrilltiteR, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Consolidated Systems Inc , Box 1756, Columbia SC 29202

Deck: Type A
 Max Spans: 4 ft 10 in. (1.5 m) for 22 ga. [0.0295 in. (0.75 mm)]
 5 ft 3 in. (2.0 m) for 20 ga. [0.0358 in. (0.91 mm)]
 6 ft 0 in. (2.3 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Type F
 Max Spans: 4 ft 11 in. (1.5 m) for 22 ga. [0.0295 in. (0.75 mm)]
 5 ft 5 in. (1.7 m) for 20 ga. [0.0358 in. (0.91 mm)]
 6 ft 3 in. (2.0 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Types B, BI
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. [0.0295 in. (0.75 mm)]
 6 ft 6 in. (2.0 m) for 20 ga. [0.0358 in. (0.91 mm)]
 7 ft 5 in. (2.3 m) for 18 ga. [0.0474 in. (1.20 mm)]

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1, ICH Traxx/1 or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm)] thick deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm) thick], fasteners spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25. 6) Textron Fastening System 12 24 HWH Type 5 Drilltite\R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Trade Name: Versa-Dek\R 2.0 S and LS
 Max Spans: 8 ft 3 in. (2.5 m) for 22 ga. (0.0295 in. [0.75 mm])
 9 ft 4 in. (2.8 m) for 20 ga. (0.0358 in. [0.91 mm])
 10 ft 10 in. (3.3 m) for 18 ga. (0.0474 in. [1.20 mm])
 12 ft 3 in. (3.7 m) for 16 ga. (0.0598 in. [1.50 mm])

Trade Name: Versa-Dek\R 2.0 S and LS Acoustical
 Max Spans: 8 ft 3 in. (2.5 m) for 22 ga. (0.0295 in. [0.75 mm])
 9 ft 2 in. (2.8 m) for 20 ga. (0.0358 in. [0.91 mm])
 10 ft 7 in. (3.2 m) for 18 ga. (0.0474 in. [1.20 mm])
 11 ft 11 in. (3.6 m) for 16 ga. (0.0598 in. [1.50 mm])

Construction #1: Deck is secured to the structural supports spaced at the max center to center spans shown above, with the end joints butted, using the fasteners shown below or with minimum 5/8 in. (16 mm) diameter puddle welds placed at each bottom rib [average 6-1/8 in. (156 mm) o.c.]. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Tek's 1, ICH Traxx/1 or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm)] thick deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 fasteners spaced at max 36 in. (914 mm) o.c. Side lap fasteners are offset approximately 0.5 in. (13 mm) from the centerline of the top rib so as not to interfere with the placement of the roof insulation screws. Min 2 in. (50 mm) thick polyisocyanurate insulation boards are placed over the deck with insulation board edges bearing along the centerline of the deck top flange. To accomplish this the boards must be trimmed as follows: When 48×48 in. (1220×1220 mm) boards are used, each board must be saw trimmed to provide for a board size of approximately 48×42 – 7/8 in. (1220×1090 mm) and when 48×96 in. (1220×2440 mm) boards are used, each board must be saw trimmed to provide for a board size of approximately 48×91 – 7/8 in. (1220×2330 mm). The board is secured to the deck with the trimmed edge and its opposite parallel edge centered above and parallel to the top flange of the deck. Insulation is applied to the deck per proprietary using the same number of FM Approved fasteners as specified for the untrimmed board.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Tek's 4, Tek's 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25.

Cordeck , 12620 Wilmot Rd, Kenosha WI 53142

Deck:	Type `B`
Max Spans:	6 ft 0 in. (1.8 m) for 22 ga. (0.0295 in. [0.75 mm]) 6 ft 5 in. (1.9 m) for 20 ga. (0.0358 in. [0.91 mm]) 7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: Decking is secured to the structural supports spaced at the max center to center spans shown above with fasteners or min 0.5 in. (13 mm) dia. puddle welds for Class 1-60 or 5/8 in. (16 mm) dia. puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Tek's 1 or ICH Traxx/1 fasteners or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm)] thick deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358 and 0.0295 in. (1.2, 0.91 and 0.75 mm) thick], spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of

steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12x3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft (2.1 m), 12-24x7/8 HWH SD, 12-24x1-1/4 HWH Impax 45, 12x1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X-EDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Tek 4, Tek 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25. 6) Textron Fastening System 12 24 HWH Type 5 Drillite\R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Epic Metals Corp, 11 Talbot Ave, Rankin PA 15104

Deck:	Epicore ER2R Steel Deck
Max Spans:	9 ft 4 in. (2.84 m) for 20 ga. (0.0358 in. [0.91 mm]) 10 ft 0 in. (3.05 m) for 19 ga. (0.0418 in. [1.06 mm]) 10 ft 8 in. (3.25 m) for 18 ga. (0.0474 in. [1.20 mm]) 11 ft 4 in. (3.45 m) for 17 ga. (0.0538 in. [1.37 mm]) 12 ft 3 in. (3.73 m) for 16 ga. (0.0600 in. [1.52 mm])

Note: All “x” symbols in the following listings appear as “H”. Example 10-16H7/8 rather than 10-16x7/8.

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 3/4 in. (19 mm) diameter puddle welds for max Class 1-90 placed at the bottom of each rib at average 8 in. (203 mm) o.c. and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16H7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14H1 HHWH Stitch, ITW Buildex Tek 1, ICH Traxx/1 or Construction Fasteners 14H7/8 HWH Lap-SD, 10H1/2 HWH S/D or 12H3/4 HWH SP Stitch fasteners or min 1.5 in. (40 mm) long fillet welds (16 and 18 ga. decks only) spaced at max 36 in. (914 mm) o.c. Min 1.3 in. (33 mm) thick polyisocyanurate insulation boards are placed over the deck with insulation board edges bearing along the centerline of the deck top flange. This deck is provided with a max 6.125 in. (156 mm) rib module. In order to place insulation as above, the boards may be required to be trimmed as follows: When 48H48 in. (1220H1220 mm) boards are used, the coverage must be measured and each board must be saw trimmed to provide for a board size of approximately 48H42 – 7/8 in. (1220H1090 mm), and when 48H96 in. (1220H2440 mm) boards are used, each board must be saw trimmed to provide for a board size of approximately 48H91 – 7/8 in. (1220H2330 mm). The board is secured to the deck with the trimmed edge and its opposite parallel edge centered above and parallel to the top flange of the deck. Insulation is fastened to the deck using FM Approved fasteners applied at the FM Approved density as specified for the untrimmed board. Roof covering is then applied per proprietary listings. This deck is provided with a 1.25 in. (32 mm) upper flange width. Extreme care must be taken for proper fastener securement into the relatively narrow top flange when installing fasteners down through the insulation and/or existing roof system. The minimum thickness insulation should be based on the greater of 1) the listed minimum thickness for this deck, or 2) the minimum thickness as described in the proprietary listings for the intended wind uplift rating. FM Approved above-deck systems are generally targeted to be used with FM Approved steel decks of 1.5 in. (40 mm) depth and

their related 6 in. (152 mm) rib modules. Therefore, when utilizing this deck with 6.125 in. rib module, adjust the cover fastener spacing slightly to align with the rib top flanges. Refer to the use of steel roof decks throughout listings for details. Meets max Class 1-90 per deck securement and above deck components.

Fasteners: 1) Aerosmith KN, SM Series 144.0062, 144.0075, 144.0050. 2) Construction Fasteners 12H3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24H7/8 HWH SD, 12-24H1-1/4 HWH Impax 45, 12H1-1/4 HWH Impax 5 S/D. 3) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3-21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2-21 L 15, ENP 3-21 L 15, X-EDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 4) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 5) Pnutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 6) SFS Intec SD5-5.5H25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5H22, SD12-5.5H36, SD12-H15-5.5H32, SD8-5.5H25, SD4-5.5H25.

Deck:	Epicore ER2RA Acoustical Steel Deck
Max Spans:	9 ft 1 in. (2.77 m) for 20 ga. (0.0358 in. [0.91 mm]) 9 ft 9 in. (2.97 m) for 19 ga. (0.0474 in. [1.06 mm]) 10 ft 5 in. (3.18 m) for 18 ga. (0.0474 in. [1.20 mm]) 11 ft 2 in. (3.42 m) for 17 ga. (0.0538 in. [1.37 mm]) 12 ft 0 in. (3.66 m) for 16 ga. (0.0600 in. [1.52 mm])

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 3/4 in. (19 mm) diameter puddle welds for max Class 1-90 placed at the bottom of each rib at average 8 in. (203 mm) o.c. and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16H7/8 HHWH ~~Stitch~~ **Pilot Point**, S-MD 12-14H1 HHWH ~~Stitch~~, ITW Buildex Teks 1, ICH Traxx/1 or Construction Fasteners 14H7/8 HWH Lap-SD, 10H1/2 HWH S/D or 12H3/4 HWH SP ~~Stitch~~ fasteners or min 1.5 in. (40 mm) long fillet welds (16 and 18 ga. decks only) spaced at max 36 in. (914 mm) o.c. Nominal 3.0 pcf (48 kg/m³) fiberglass insulation or nominal 6.0 pcf (96 kg/m³) mineral wool insulation, 4-1/2 in. (114 mm) wide H 2.0 in. (50 mm) thick is placed over continuous expanded metal mesh spacers within each rib opening. Min 2.0 in. (50 mm) thick polyisocyanurate insulation boards are placed over the deck with insulation board edges bearing along the centerline of the deck top flange. This deck is provided with a max 6.125 in. (156 mm) rib module. In order to place insulation as above, the boards may be required to be trimmed as follows: When 48H48 in. (1220H1220 mm) boards are used, the coverage must be measured and each board must be saw trimmed to provide for a board size of approximately 48H42 – 7/8 in. (1220H1090 mm), and when 48H96 in. (1220H2440 mm) boards are used, each board must be saw trimmed to provide for a board size of approximately 48H91 – 7/8 in. (1220H2330 mm). The board is secured to the deck with the trimmed edge and its opposite parallel edge centered above and parallel to the top flange of the deck. Insulation is fastened to the deck using FM Approved fasteners applied at the FM Approved density as specified for the untrimmed board. Roof covering is then applied per proprietary listings. This deck is provided with a 1.25 in. (32 mm) upper flange width (factoring out the radius). Extreme care must be taken for proper fastener securement into the relatively narrow top flange when installing fasteners down through the insulation and/or existing roof system. The minimum thickness insulation should be based on the greater of 1) the listed minimum thickness for this deck, or 2) the minimum thickness as described in the proprietary listings for the intended wind uplift rating. FM Approved above-deck systems are generally targeted to be used with FM Approved steel decks of 1.5 in. (40 mm) depth and their related 6 in. (152 mm) rib modules.

Therefore, when utilizing this deck with 6.125 in. rib module, adjust the cover fastener spacing slightly to align with the rib top flanges. Refer to the use of steel roof decks throughout listings for details. Meets max Class 1-90 per deck securement and above deck components.

Fasteners: 1) Aerosmith KN, SM Series 144.0062, 144.0075, 144.0050. 2) Construction Fasteners 12H3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24H7/8 HWH SD, 12-24H1-1/4 HWH Impax 45, 12H1-1/4 HWH Impax 5 S/D. 3) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 4) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 5) Pnutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 6) SFS Intec SD5-5.5H25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5H22, SD12-5.5H36, SD12-H15-5.5H32, SD8-5.5H25, SD4-5.5H25.

Deck:	Epicore ER3.5 Steel Deck
Max Spans:	22 ft (6.71 m) for 16 ga. (0.0600 in. [1.52 mm]), max Class 1-90; 20 ft 6 in. (6.25 m) for 17 ga. (0.0538 in. [1.37 mm]), max Class 1-90; 19 ft (5.79 m) for 18 ga. (0.0474 in. [1.20 mm]), max Class 1-90; 17 ft 9 in. (5.41 m) for 19 ga. (0.0418 in. [1.06 mm]), max Class 1-90; 16 ft 8 in. (5.08 m) for 20 ga. (0.0358 in. [0.91 mm]), max Class 1-75; 16 ft 4 in. (5.00 m) for 20 ga. (0.0358 in. [0.91 mm]), max Class 1-90.

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 3/4 in. (19 mm) diameter puddle welds for max Class 1-90 placed at the bottom of each rib at average 8 in. (203 mm) o.c. and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16H7/8 HHWH ~~Stitch~~ **Pilot Point**, S-MD 12-14H1 HHWH Stitch, ITW Buildex Teks 1 or ICH Traxx/1 fasteners or Construction Fasteners 14H7/8 HWH Lap-SD, 10H1/2 HWH S/D or 12H3/4 HWH SP Stitch or SFS Intec SL2-4.8H20, SL2-S-4.8H20, SL2-H15-6.3H22, SXL2-5.5H22, SD2-4.8H20 (for use with max 20 ga. [0.0358 in. (0.91 mm) thick] deck only) or min 1.5 in. (40 mm) long fillet welds (16 and 18 ga. decks only) spaced at max 36 in. (914 mm) o.c. Min 2.0 in. (50 mm) thick polyisocyanurate insulation boards are placed over the deck with insulation board edges bearing along the centerline of the deck top flange. Insulation is fastened to the deck using FM Approved fasteners applied at the FM Approved density as specified in the proprietary listings. This deck is provided with an 8 in. (203 mm) rib module. Consideration of this module must be given. Roof covering is then applied per proprietary listings. The minimum thickness insulation should be based on the greater of 1) the min thickness listed for this deck, or 2) the minimum thickness as described in the proprietary listings for the intended wind uplift rating. FM Approved above-deck systems are generally targeted to be used with FM Approved steel decks of 1.5 in. (40 mm) depth and their related 6 in. (152 mm) rib modules. Therefore, when utilizing an FM Approved above-deck system with a mechanically fastened cover, select one with a cover fastener spacing greater than the 8 in. (203 mm) rib module, and reduce this fastener spacing to coincide with placement of the fastener into the deck top flanges (e.g., FM Approved 12 in. (305 mm) spacing is reduced to 8 in. (203 mm) spacing; FM Approved 18 in. (457 mm) spacing is reduced to 16 in. (406 mm) spacing). Refer to the use of steel roof decks throughout listings for details. Meets max Class 1-90 per deck securement and above deck components.

Fasteners: 1) Hilti ~~X-EDNK 22 THQ12, X-EDN19 THQ12, ENP2 21 L15, ENPH2 21 L15~~ or

~~ENP3-21 L15~~ X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, or X-ENP-19 L15 with minimum 0.25 in. (13 mm) thick structural steel supports and maximum 19 ft (5.8 m) o.c. span. 2) ITW Buildex BX 12 Pin, BX 14 Pin.

Deck:	Epicore ER3.5A Acoustical Steel Deck
Max Spans:	21 ft 6 in. (6.55 m) for 16 ga. (0.0600 in. [1.52 mm]), max Class 1-90; 20 ft (6.10 m) for 17 ga. (0.0538 in. [1.37 mm]), max Class 1-90; 18 ft 6 in. (5.64 m) for 18 ga. (0.0474 in. [1.20 mm]), max Class 1-90; 17 ft 4 in. (5.30 m) for 19 ga. (0.0418 in. [1.06 mm]), max Class 1-90; 16 ft 3 in. (4.95 m) for 20 ga. (0.0358 in. [0.91 mm]), max Class 1-90.

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 3/4 in. (19 mm) diameter puddle welds for max Class 1-90 placed at the bottom of each rib at average 8 in. (203 mm) o.c. and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16x7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14x1 HHWH Stitch or ITW Buildex Tekes 1 or ICH Traxx/1 fasteners or Construction Fasteners 14H7/8 HWH Lap-SD, 10H1/2 HWH S/D or 12H3/4 HWH SP Stitch or SFS Intec SL2-4.8H20, SL2-S-4.8H20, SL2-H15-6.3H22, SXL2-5.5H22, SD2-4.8H20 (for use with max 20 ga. [0.0358 in. (0.91 mm) thick] deck only) or min 1.5 in. (40 mm) long fillet welds (16 and 18 ga. decks only spaced at max 36 in. (914 mm) o.c. Nominal 3.0 pcf (48 kg/m³) fiberglass insulation or nominal 6.0 pcf (96 kg/m³) mineral wool insulation, 5-1/2 in. (140 mm) wide H 2.0 in. (50 mm) thick is placed over continuous expanded metal mesh spacers within each rib opening. Min 2.0 in. (50 mm) thick polyisocyanurate insulation boards are placed over the deck with insulation board edges bearing along the centerline of the deck top flange. Insulation is fastened to the deck using FM Approved fasteners applied at the FM Approved density as specified in the proprietary listings. This deck is provided with an 8 in. (203 mm) rib module. Consideration of this module must be given. Roof covering is then applied per proprietary listings. The minimum thickness insulation should be based on the greater of 1) the min thickness listed for this deck, or 2) the minimum thickness as described in the proprietary listings for the intended wind uplift rating. FM Approved above-deck systems are generally targeted to be used with FM Approved steel decks of 1.5 in. (40 mm) depth and their related 6 in. (152 mm) rib modules. Therefore, when utilizing an FM Approved above-deck system with a mechanically fastened cover, select one with a cover fastener spacing greater than the 8 in. (203 mm) rib module, and reduce this fastener spacing to coincide with placement of the fastener into the deck top flanges (e.g., FM Approved 12 in. (305 mm) spacing is reduced to 8 in. (203 mm) spacing; FM Approved 18 in. (457 mm) spacing is reduced to 16 in. (406 mm) spacing). Refer to the use of steel roof decks throughout listings for details. Meets max Class 1-90 per deck securement and above deck components.

Fasteners: 1) Hilti ~~X-EDNK 22 THQ12, X-EDN19 THQ12, ENP2-21 L15, ENPH2-21 L15, ENP3-21 L15~~ X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, or X-ENP-19 L15 with minimum 0.25 in. (13 mm) thick structural steel supports and maximum 19 ft (5.8 m) o.c. span. 2) ITW Buildex BX 12 Pin, BX 14 Pin.

Galvak SA de CV DSC Galvamet, Ave Republica Mexicana No 450, San Nicolas de los Garza, Nuevo Leon, Mexico

Deck:	GWT
Max Spans:	6 ft 3 in. (1.9 m) for 22 ga. (0.0299 in. [0.76 mm]); 6 ft 6 in. (2.0 m) for 20 ga. (0.0359 in. [0.91 mm]) 7 ft 5 in. (2.3 m) for 18 ga. (0.0478 in. [1.19 mm])

Construction #1: 22, 20 and 18 ga. [0.0299 in. (0.76 mm), 0.0359 in. (0.91 mm) and 0.0478 in. (1.21 mm) thick] decking is secured to the structural supports spaced at the max center to center spans shown above with fasteners or min 0.5 in. (13 mm) dia. puddle welds for Class 1-60 or 5/8 in. (16 mm) dia. puddle welds for Class 1-75 or Class 1-90 placed at alternating bottom ribs

[average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1 or ICH Traxx/1 fastener or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-75/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft (2.1 m), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X-EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX12, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25.

IMSA-MEX SA de CV , Blvd Carlos Salinas de Gortati, Km 11.5 Apodaca, NL CP 66600 Mexico

Deck:	RD-91.5 Steel
Max Spans:	5 ft 5 in. (1.65 m) for 22 ga. (0.0295 in. [0.75 mm])
	6 ft 2 in. (1.88 m) for 20 ga. (0.0358 in. [0.91 mm])
	7 ft 4 in. (2.24 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: Decking is secured to the structural supports spaced at the max center to center spans shown above with fasteners or min 1/2 in. (13 mm) dia. puddle welds for max Class 1-60 placed at alternating bottom ribs (average 12 in. [305 mm] o.c.) or min 5/8 in. (16 mm) dia. puddle welds for max Class 1-90 placed at alternating bottom ribs (average 12 in. [305 mm] o.c.) and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1, ICH Traxx/1 or Construction Fastener 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm) thick] spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets max Class1-90 per above deck components.

Fasteners: 1) Aerosmith KN, SM Series 144.0062, 144.0075, 144.0050. 2) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 3) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X-EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 4) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 5) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050,

K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 6) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25. 7) Textron Fastening System 12 24 HWH Type 5 Drilltite®R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Marlyn Steel Decks Inc , 6808 Harney Rd, Tampa FL 33610

Deck: Type B
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0295 in. [0.75 mm])
 6 ft 6 in. (2.0 m) for 20 ga. (0.0358 in. [0.91 mm])
 7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: Decking is secured to the structural supports spaced at the max center to center spans shown above with fasteners or min 0.5 in. (13 mm) dia puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Tekes 1 or ICH Traxx/1 fasteners or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite®R, 12-14×3/4 in. HWH Type 3 Drilltite®R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm)] thick spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2-21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3-21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2-21 L 15, ENP 3-21 L 15, X EDN19 THQ 12 X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15. 3) ITW Buildex Tekes 4 or Tekes 5 ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25. 6) Textron Fastening System 12 24 HWH Type 5 Drilltite®R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

New Millennium Building Systems LLC , 6115 County Rd 42, Butler IN 46721

Deck: 1.5B Deck
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0299 in. [0.76 mm])
 6 ft 6 in. (2.0 m) for 20 ga. (0.0358 in. [0.91 mm])
 7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: 22 ga., 20 ga. and 18 ga. [0.0295 in. (0.75 mm), 0.0358 in. (0.90 mm) and 0.0474 in. (1.20 mm) thick] decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-75 or Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ **Pilot Point**, S-MD 12-14×1 HHWH ~~Stitch~~, ITW Buildex Tekes 1 or ICH Traxx/1 fasteners or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP ~~Stitch~~ or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8x20, SL2-S-4.8x20, SL2-H15-6.3x22, SXL2-5.5x22, SD2-4.8×20 or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm)] thick spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-75/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, XEDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, XEDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Tekes 4, Tekes 5, ICH Traxx/4, ICH Traxx/5, BX12, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25. 6) Textron Fastening System 12 24 HWH Type 5 Drilltite\R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Nucor Vulcraft Group , 2100 Rexford Rd, Charlotte NC 28211

Deck: Type 1.5 A
 Max Spans: 4 ft 10 in. (1.5 m) for 22 ga. [0.0295 in. (0.75 mm)]
 5 ft 3 in. (1.6 m) for 20 ga. [0.0358 in. (0.91 mm)]
 6 ft 0 in. (1.8 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Type 1.5F
 Max Spans: 4 ft 11 in. (1.5 m) for 22 ga. [0.0295 in. (0.75 mm)]
 5 ft 5 in. (1.7 m) for 20 ga. [0.0358 in. (0.91 mm)]
 6 ft 3 in. (2.0 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Type 1.5B, 1.5BI
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. [0.0295 in. (0.75 mm)]
 6 ft 6 in. (2.0 m) for 20 ga. [0.0358 in. (0.91 mm)]
 7 ft 5 in. (2.3 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: B0.0334
 Max Span: 6 ft 3 in. (1.9 m)

Deck: B0.0376
 Max Span: 6 ft 8 in. (2.0 m)

Deck: B0.0398
Max Span: 6 ft 10 in. (2.1 m)

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16x7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14x1 HHWH Stitch or ITW Buildex Teks 1, ICH Traxx/1 or Construction Fasteners 14x7/8 HWH Lap-SD, 10x1/2 HWH S/D or 12x3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8x20, SL2-S-4.8x20, SL2-H15-6.3x22, SXL2-5.5x22, SD2-4.8x20 fasteners spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12x3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24x7/8 HWH SD, 12-24x1-1/4 HWH Impax 45, 12x1-1/4 HWH Impax 5 S/D. 2) Hilti ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2-21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3-21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2-21 L 15, ENP 3-21 L 15, X-EDN19 THQ 12, X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25.

Roof Deck Inc , 7 Twin Rivers Dr W, Box 295, Hightstown NJ 08520

Deck: Type F
Max Spans: 4 ft 11 in. (1.5 m) for 22 ga. [0.0295 in. (0.75 mm)]
5 ft 5 in. (1.7 m) for 20 ga. [0.0358 in. (0.91 mm)]
6 ft 3 in. (2.0 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Type B
Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. [0.0295 in. (0.75 mm)]
6 ft 6 in. (2.0 m) for 20 ga. [0.0358 in. (0.91 mm)]
7 ft 5 in. (2.3 m) for 18 ga. [0.0474 in. (1.20 mm)]

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16x7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14x1 HHWH Stitch, ITW Buildex Teks 1, ICH Traxx/1 Construction Fasteners 14x7/8 HWH Lap-SD, 10x1/2 HWH S/D or 12x3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8x20, SL2-S-4.8x20, SL2-H15-6.3x22, SXL2-5.5x22, SD2-4.8x20 fasteners or Textron Fastening System 10-16x3/4 in. HWH Type 3 Drilltite\R, 12-14x3/4 in. HWH Type 3 Drilltite\R, 10-16x3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358 and 0.0295 in. (1.2, 0.91 and 0.75 mm)] thick, spaced at max 36 in. (914

mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. **X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15** 3) ITW Buildex Tek 4 or Tek 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25. 6) Textron Fastening System 12 24 HWH Type 5 Drilltite\R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

United Steel Deck Inc , Box 662, Summit NJ 07901

Deck: Type F
Max Spans: 4 ft 11 in. (1.5 m) for 22 ga. (0.0295 in. [0.75 mm])
5 ft 5 in. (1.7 m) for 20 ga. (0.0358 in. [0.91 mm])
6 ft 3 in. (2.0 m) for 18 ga. (0.0474 in. [1.20 mm])

Deck: Type B, BI
Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0295 in. [0.75 mm])
6 ft 3 in. (1.9 m) for 21 ga. (0.0329 in. [0.84 mm])
6 ft 6 in. (2.0 m) for 20 ga. (0.0358 in. [0.91 mm])
7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ **Pilot Point**, S-MD 12-14×1 HHWH ~~Stitch~~, ITW Buildex Tek 1, ICH Traxx/1 or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP ~~Stitch~~ or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 fasteners or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm)] thick spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. **X-EDN19 THQ12, X-EDNK22**

THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25. 6) Textron Fastening System 12 24 HWH Type 5 Drilltite\R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

VICWEST Corporation , 1296 S Service Rd West, Oakville, Ontario L6L 5T7, Canada

Deck: RD938
Max Spans: 6 ft 2 in. (1.9 m) for 22 ga. (0.030 in. [0.76 mm])
6 ft 8 in. (2.0 m) for 20 ga. (0.036 in. [0.91 mm])
7 ft 6 in. (2.3 m) for 18 ga. (0.048 in. [1.21 mm])
8 ft 7 in. (2.62 m) for 16 ga. (0.06 in. [1.52 mm])

Construction #1: 22 ga., 20 ga. and 18 ga. [0.030 in. (0.76 mm), 0.036 in. (0.91 mm) and 0.048 in. (1.21 mm) thick] decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-75 or Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with a button punching spaced at max 36 in. (914 mm) o.c. When 48 x 48 in. (1220 x 1220mm) or 48 x 96 in. (1220 x 2440 mm) insulation boards are used, special precautions must be taken to insure that proper edge support is provided for the insulation. To accomplish this, install boards with min 1 in. (25.4 mm) bearing on the top rib of the deck. Install first sheet offset 1.125 in. (29 mm) from the centerline of the top rib. After covering a 24 ft (7.3 m) wide deck section, trim the edge of the board to provide the 1 in. (25 mm) bearing. Insulation is fastened to the deck using the same number of Approved fasteners as specified in the Approval Guide for the untrimmed board. No special procedures are required for boards with metric dimensions (1200 x 1200 mm or 2400 x 2400 mm). Similar procedures must be followed for other board size to insure proper edge bearing on the deck. A roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-75/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12x3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24x7/8 HWH SD, 12-24 X 1-1/4 HWH Impax 45, 12x1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2-21 L-15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X-EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L-15, ENP 3 21 L-15, X-EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX12, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25.

Valley Joist , Box 680718, Fort Payne AL 35968-1608

Deck: Type B and BI
Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. (0.0295 in. [0.75 mm])
6 ft 6 in. (2.0 m) for 20 ga. (0.0358 in. [0.90 mm])
7 ft 5 in. (2.3 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: 22 ga., 20 ga. and 18 ga. [0.0299 in. (0.76 mm), 0.0359 in. (0.91 mm) and 0.0478 in. (1.21 mm) thick] decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-75 or Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are button punched for BI deck or secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ **Pilot Point**, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1 or ICH Traxx/1 fasteners or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8x20, SL2-S-4.8x20, SL2-H15-6.3x22, SXL2-5.5x22, SD2-4.8x20 or Textron Fastening System 10-16×3/4 in. HWH Type 3 Drilltite\R, 12-14×3/4 in. HWH Type 3 Drilltite\R, 10-16×3/4 in. HWH Type 1 fasteners for use with 18, 20 and 22 ga. (MSG) [0.0474, 0.0358, and 0.0295 in. (1.2, 0.91, and 0.75 mm)] thick spaced at max 36 in. (914 mm) o.c. for B deck. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-75/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X-EDN 19 THQ12, ENP 2K 20 L15, X-EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, XEDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, XEDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4 or Teks 5, ICH Traxx/4, ICH Traxx/5, BX12, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5x25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5x22, SD12-5.5x36, SD12-H15-5.5x32, SD8-5.5x25, SD4-5.5x25. 6) Textron Fastening System 12 24 HWH Type 5 Drilltite\R, 12 24 HWH Type 4 point, 12 24 HWH Type 5 point.

Verco Mfg Co , 2450 Peralta Blvd, Suite 110, Fremont CA 94536

Deck: Type HSBFM, PLBFM
Max Spans: 6 ft 1 in. (1.9 m) for 22 ga. (0.0295 in. [0.75 mm])
6 ft 7 in. (2.0 m) for 20 ga. (0.0358 in. [0.91 mm])
7 ft 9 in. (2.4 m) for 18 ga. (0.0474 in. [1.20 mm])

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Type HSBFM deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ **Pilot Point**, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1, ICH Traxx/1 or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2

HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 fasteners spaced at max 36 in. (914 mm) o.c. Type PLBFM deck side laps are secured with the VERO PunchLok™ tool at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4 or Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25.

Wheeling Corrugating Co, Div Wheeling-Pittsburgh Steel Corp , 1134 Market St, Wheeling WV 26003

Deck: Type A
 Max Spans: 4 ft 9 in. (1.4 m) for 22 ga. [0.0295 in. (0.75 mm)]
 5 ft 5 in. (1.7 m) for 20 ga. [0.0358 in. (0.91 mm)]
 6 ft 6 in. (2.0 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Type F-36
 Max Spans: 4 ft 11 in. (1.5 m) for 22 ga. [0.0295 in. (0.75 mm)]
 5 ft 5 in. (1.7 m) for 20 ga. [0.0358 in. (0.91 mm)]
 6 ft 3 in. (2.0 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: Type BW-36
 Max Spans: 6 ft 0 in. (1.8 m) for 22 ga. [0.0295 in. (0.75 mm)]
 6 ft 6 in. (2.0 m) for 20 ga. [0.0358 in. (0.91 mm)]
 7 ft 5 in. (2.3 m) for 18 ga. [0.0474 in. (1.20 mm)]

Deck: BW36-FM80, BW36-FM81
 Max Spans: 6 ft 8 in. (2.03 m) for BW36-FM80
 6 ft 9 in. (2.06 m) for BW36-FM81

Construction #1: Decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH Stitch, ITW Buildex Teks 1, ICH Traxx/1 or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP Stitch or SFS Intec (all fasteners for use with 20 and 22 ga. [0.0358 and 0.0295 in. (0.91 and 0.75 mm) thick] deck) SL2-4.8×20, SL2-S-4.8×20, SL2-H15-6.3×22, SXL2-5.5×22, SD2-4.8×20 fasteners spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then

applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft [2.1 m]), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 12, BX 14. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082. 5) SFS Intec SD5-5.5×25 (meets Class 1-75 at spans greater than 7 ft [2.1 m]), SD5-H15-5.5×22, SD12-5.5×36, SD12-H15-5.5×32, SD8-5.5×25, SD4-5.5×25.

Deck:	High Strength B and High Strength BW
Max Spans:	6 ft 3 in. (1.9 m) for 22 ga. (0.0299 in. [0.76 mm])
	6 ft 10 in. (2.1 m) for 20 ga. (0.0358 in. [0.91 mm])
	7 ft 9 in. (2.4 m) for 18 ga. (0.0474 in. [1.20 mm])
	8 ft 8 in. (2.6 m) for 16 ga. (0.0590 in. [1.51 mm])

Construction #1: 22 ga., 20 ga. and 18 ga. [0.0300 in. (0.76 mm), 0.0375 in. (0.95 mm) and 0.0495 in. (1.26 mm) thick] decking is secured to the structural supports spaced at the maximum center to center spans shown above with fasteners or min 0.5 in. (13 mm) diameter puddle welds for Class 1-60 or 5/8 in. (16 mm) diameter puddle welds for Class 1-75 and 1-90 placed at alternating bottom ribs [average 12 in. (305 mm) o.c.] and at supports where deck sides lap. Deck side laps are secured with Hilti S-MD 10-16×7/8 HHWH ~~Stitch~~ Pilot Point, S-MD 12-14×1 HHWH ~~Stitch~~, ITW Buildex Teks 1 or ICH Traxx/1 fasteners or Construction Fasteners 14×7/8 HWH Lap-SD, 10×1/2 HWH S/D or 12×3/4 HWH SP ~~Stitch~~ spaced at max 36 in. (914 mm) o.c. An insulation and roof covering is then applied per proprietary listings. Refer to the use of steel roof decks throughout listings for details. Meets Class 1-60/1-75/1-90 per deck securement and above deck components.

Fasteners: 1) Construction Fasteners 12×3/4 HWH Impax (meets Class 1-75 at spans greater than 7 ft (2.1 m), 12-24×7/8 HWH SD, 12-24×1-1/4 HWH Impax 45, 12×1-1/4 HWH Impax 5 S/D. 2) Hilti ~~ENK 14 S12, ENK 16 S12, ENKK, X EDN 19 THQ12, ENP 2K 20 L15, X EDNK 22 THQ12, EDN 16 P8, EDS 19 P10, EDS 22 P10, ENPH2 21 L 15, EDNK 20 P8TH, SDM 14 MX, EDN 19 MX, X EDNK 22 THQ12, EDN 16 MX, ENP 3 21 D12, ENS 21 D15, ESD 16 P8T, ESD 19 P8T, ENP 2 21 L 15, ENP 3 21 L 15, X EDN19 THQ 12. X-EDN19 THQ12, X-EDNK22 THQ12, ENP2-21 L15, ENPH2-21 L15, X-ENP-19 L15~~ 3) ITW Buildex Teks 4, Teks 5, ICH Traxx/4, ICH Traxx/5, BX 14 Pin. 4) Pneutek 31062, 31075, 32075, K31075, SDK32075, SDK42075, 32050, K33050, 42050, K43050, 32062, SD32062, SDK33062, 42062, SSSDK44062, SSSD44062, SDK32062, SDK42062, K32062, K42062, SDK43062, SDK44075, SDK44062, 65056, 65062, R65056, R65062, K65056, K65062, KR65056, KR65062, K45056, SDK61075, SDK63075, K64062, K64075, K66062, K66075, K66082.