

Company	Products Offered	Product Descriptions
A.C.T. Metal Deck Supply www.metaldecksupply.com 800.894.7741 (Chicago, St. Louis, Indianapolis, Kansas City, Mo., Fort Worth) 866.668.3325 (Knoxville, Greensboro, Jackson, Fla., Columbus)	Metal deck distributor	Distributor of steel floor, roof deck, and related products. All metal deck is available in all types, gauges, and finishes. Specialty products and a full line of accessories are also available.
ASC Steel Profiles, Inc. www.ascprofiles.com www.ascsd.com 800.360.2477	DeltaGrip	A side seam attachment system that is a revolutionary alternative to welding. A light-weight and easy-to-use pneumatic tool that clutches the seams together in one-seventh the time of welding and includes a Go-No-Go gauge to ensure that each grip stacks up to its name. Installation is fast, safe, and consistent.
Canam Steel Corporation www.canam.ws 508.238.4500 (Easton, Mass.) 301.874.5141 (Point of Rocks, Md.) 636.239.6716 (Washington, Mo.) 904.781.0898 (Jacksonville, Fla.) 509.837.7008 (Sunnyside, Wa.)	Roof deck 3615/3606	Roll-formed to cover 36" wide; flutes are 1.5" deep, spaced 6" on center. Deck can be rolled to lengths from 6' to 42'-6".
	Composite deck 3615/3606	Roll-formed to cover 36" wide; flutes are 1.5" deep, spaced 6" center to center. Deck can be rolled from 6' to 42'-6" with enough space to weld headed studs through deck to top of beams/joists for composite action.
	Composite deck 3623/2432	Roll-formed to cover 24" wide; flutes are 2" to 3" deep, spaced 12" from center to center. Deck can be rolled from 6'-6" to 40' with enough space to weld headed studs through deck to top of beams/joists for composite action.
	Form deck 3012	Roll-formed to cover 30"; flutes are 9/16" deep and spaced at 2 1/2" center to center. Rolled to requested length or stocked in 20'-4" lengths to cover multi-spans of form deck.
CMC Joist & Deck www.cmcjd.com 908.277.1617	Roof deck	1.5" (B & F) and 3" (N) roof deck. Finishes include gray or white primer, G30, G60, and G90 galvanized and special paint coatings. Acoustic treatment is available.
	Composite floor deck	1.5" (B Lok & Lok Floor), 2", and 3" (Lok Floor) composite deck. Finishes include painted, galvanized, and galvanized + primer finishes.
	Deep deck	"Deep deck" roof deck profiles in 4.5", 6", and 7.5" depths. Finishes include galvanized, galvanized + primer finishes, and special paint coatings. Acoustic treatment is available; thicknesses to 10 gage on type LS.
	Cellular roof and floor decking	1.5"-, 2"-, 3"-, 4.5"-, 6"-, and 7.5"-deep acoustic and non-acoustic are available. Finish options include galvanized, galvanized + primer finish, and special paint coatings. Fiberglass insulation batts are shop installed when acoustic.
CSi Metal Dek Group www.metaldek.com 803.251.5034	Bridge deck forms	CSi Metal Dek Group produces metal stay-in-place bridge deck forms.
Curveline, Inc. www.met-tile.com/curveline 888.998.0311	Custom crimp-curving	Curveline's service center provides custom crimp-curving of 22-18 gauge "B" deck and "N" deck profiles into the desired radii and angles of curvature. The crimp-curving process increases panel strength, making it possible to achieve multiple-span panel designs that use lighter-gauge material. Savings from reduced substrate and structural requirements can be significant. Applications include standard, perforated, and acoustic decking panels.
D-MAC Industries, Inc. www.d-macindustries.com 800.878.362	Roof deck	Sections kept in stock for immediate shipment nationwide include Types A, B, F, and N in prime-painted or galvanized finishes, cut to any length.
	Floor deck	Galvanized 1.5", 2", and 3" composite decks and 9/16", 15/16", 1 1/16", 1 1/2" and 2" non-composite floor decks are available cut to length from stock in gauges 16 to 28.
	Bridge form	D-MAC produces 1.5", 2", 2.5", and 3" deep form sections in gauges 16 to 22 and pitches ranging from 5" to 10" with G-165, G-210, and G-235 galvanized coatings.
	Deck accessories	D-MAC manufactures deck accessories such as closures, pour stops, and custom shapes, and supplies rubber closures, fasteners, and related items. Short lead times are standard practice for all products.
DACS, Inc. www.dacsinc.com 757.393.0704	Roof decks	Include type A, B, F, J and H. Cellular roof decks are available also. Most decks are available in galvanized or prime painted gray or white.
	Composite floor decks	Include 1.5", 2", or 3" and are available galvanized. Cellular floor decks are also available.
	Non-composite form decks	Include 9/16" (S-deck), 7/8" (heavy-duty), and B-inverted (1.5"). All are available in galvanized.
Hilti, Inc. www.us.hilti.com 800.879.8000	DX 860 HSN	The stand-up DX 860 HSN Powder Actuated Fastening System fastens into 1/8-in. to 3/8-in. bar joists and can drive up to 1,000 fasteners per hour from a comfortable stand-up position. For increased safety, it has a unique piston/brake system that stops the piston on every shot to help prevent fasteners from punching through the deck when the support beam is missed. This feature helps prevent damage to the deck and saves time because there is no need for patching. A preset setting depth provides consistent fastening quality.
	DX 860 ENP	The stand-up DX 860 ENP Power Actuated Fastening System fastens structural steel applications and can drive up to 800 fasteners per hour, and has the potential to reduce total deck installation time by up to 40%.
	ST 1800/SDT 25	With increased power and torque, the ST 1800 Adjustable Torque Screwdriver sets the standard for fast, reliable metal-to-metal fastenings. It can be used alone or with the SDT 25 Decking Tool to work in an upright position for added comfort and flexibility to fasten into metal decking and bar joists. Using the SDT 25, a worker can convert the ST 1800 from a hand-held to a stand-up system that can be used for both fastening deck sidelaps and attaching metal deck to thin bar joists and purlins.
MBI Products Company, Inc. www.mbiproducs.com 216.431.6400	Acoustical products	MBI manufactures acoustical products of all types and provides insulation for perforated acoustical metal deck flutes. Insulation is available in different thicknesses and densities, and comes in rolls or pieces.

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Metal Dek Group, a unit of Consolidated Systems, Inc. www.metaldek.com 800.DEKDSGN	Roof deck	Standard and architectural deck systems and accessories.
	Floor deck	Standard and architectural deck systems and accessories.
	Form deck	Full line including accessories.
	Bridge deck	Full line including accessories
New Millennium Building Systems www.joist-deck.com 260.868.6000	Roof deck	Attached to steel joists or beams and used as support for roof coverings. Available in a galvanized or prime painted finish.
	Form deck	Attached to steel joists or beams and used as forms for poured concrete platforms. Available in a galvanized or prime painted finish (1" depth or less, galvanized only).
	Composite deck	Attached to steel joists or beams and used in conjunction with shear studs to form a composite floor system. Available in a galvanized or uncoated top/painted bottom finish.
Nucor Vulcraft www.vulcraft.com 435.734.9433 (Brigham City, Utah) 607.529.9000 (Chemung, N.Y.) 843.662.0381 (Florence, S.C.) 936.687.4665 (Grapeland, Texas) 402.644.8500 (Norfolk, Neb.) 260.337.1800 (St. Joe, Ind.)	Steel deck, steel joists, and joist girders	Nucor Vulcraft Group is the nation's largest producer of steel deck, steel joists, and joist girders. Vulcraft also works with highly engineered products like composite floor joists. Vulcraft supplies products for a wide range of structures. Vulcraft products are made from more than 90% recycled materials and have been essential elements in green buildings.
Pneutek, Inc. www.pneutek.com 800.431.8665	Fasteners and fastening tools	Pneumatically driven mechanical fasteners and fastening tools used to attach steel roof and floor deck to the structural substrate (1/8-in. minimum, no maximum) of steel-framed buildings.
Roof Deck, Inc. www.roofdecking.com 609.448.6666	Roof and floor deck products	Complete manufacturer of roof and floor deck products. Delivery is fast, and most items can be manufactured in just one day.
Steel Deck Institute www.sdi.org 847.458.4647	Steel floor and roof deck trade association	The trade association for manufacturers of steel floor and roof decks and related products. The SDI provides industry guidelines for engineering design, manufacture, and field use of steel decks. SDI also prepares, reviews, and distributes literature, and liaisons with construction industry associations on matters of common interest.
Wheeling Corrugating Company www.wheelingcorrugating.com 304.234.2332	Roofing and siding	Our painted and roofing products come in seven distinctive profiles. Each comes in a variety of colors. Tough enough to handle light commercial applications and handsome enough for residential installations.
	Decking products	Composite floor deck, steel roof deck, form deck, and bridge form.
	Painted coil products	Wheeling has added another technically advanced coil coating line. This new system, along with our well-established double coat paint line, dramatically increases the availability of our premium quality coil.

project case study

Curveline, Inc.—Vancouver Clinic at Salmon Creek, Vancouver, Wash.

WHEN PLANNING THE 92,000-SQ.-FT VANCOUVER (WASH.) CLINIC AT SALMON CREEK, THE BUILDING TEAM NEEDED TO FIND AN EFFECTIVE WAY TO SUPPORT THE LARGE BARRELED ROOF THAT ACCENTS THE DISTINCTIVE MAIN ENTRANCE OF THE BUILDING. To meet the challenge, they installed approximately 10,000 sq. ft of curved 20-gauge "B" deck panels manufactured by ASC Steel Deck, West Sacramento, Calif. and custom-curved by Curveline, Inc., Ontario, Calif.

The barreled deck and roof extend back 260 ft in length above the second floor of the clinic. Curveline used its proprietary "crimp-curving" process to curve panels 18 ft 3 in. in length to an outside radius of 37 ft 6 in. and a 28° angle. The crimp-curving process increased the strength and rigidity of the panels, allowing the deck to be erected with minimal framing. Curved decking also

shelters an attached carport area.

The crimp-curving process has become increasingly popular for radiused steel deck construction, because it creates a strong, economical, virtually self-supporting structure. Decking panels curved by this method are installed the "hard way," saving time and money, versus straight panels applied "the easy way." When decking panels are curved the easy way, straight panels are simply laid on the substructure along the direction of the curve. Applied this way, the panels add no structural value. With the Curveline process, panels are crimp-curved to the desired radius before being shipped to the job site. Panels are then installed the hard way to

form the radiused deck. The crimp-curving process actually increases the load factor of the panels. In addition, crimp-curving increases panel strength to allow use of lighter-gauge material and achieves 15% to 20% longer spans for reduced framing and substructure costs.

