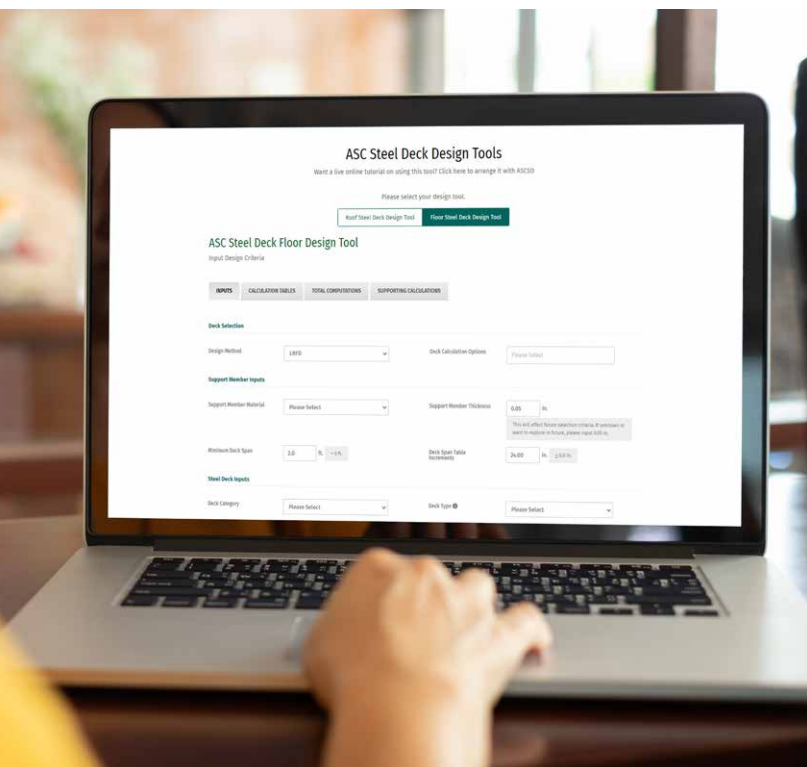




ONLINE CALCULATION TOOL



FLOOR DECK

ASC Steel Deck is an industry leader offering products that meet the needs of the most complex conditions and demands for structural performance and design.

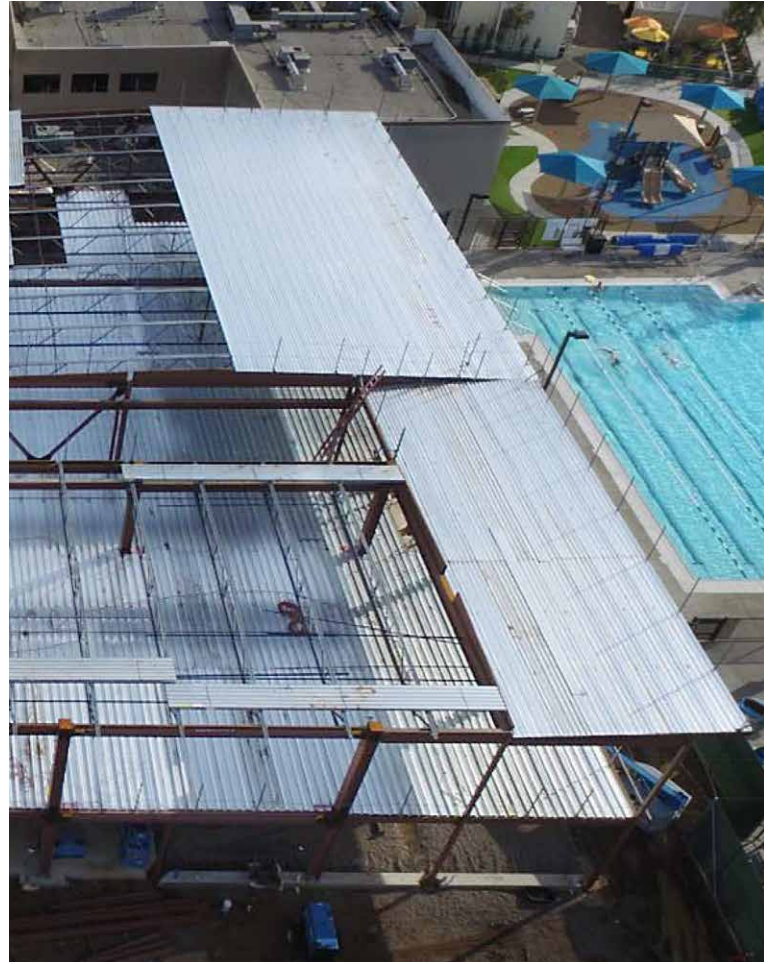




Our Company

ASC Steel Deck is a structural steel deck manufacturer leading the way through an unmatched commitment to the success of our customers. ASC Steel Deck prides itself on delivering the best-in-class service experience, easily accessible technical data, and having the most knowledgeable and responsive team in the industry.

Serving the Western United States since the 1970s, ASC Steel Deck has operated under different business names (ASC Pacific, BHP Steel Building Products, and IMSA Building Products). Since 2002, we have operated as ASC Steel Deck, a division of ASC Profiles LLC. While the name of the company has changed over the years, our continuous dedication to product innovation, high-quality steel deck products, and exceptional customer service has made ASC Steel Deck a trusted leader in the industry.



Industry Leadership Through Innovation

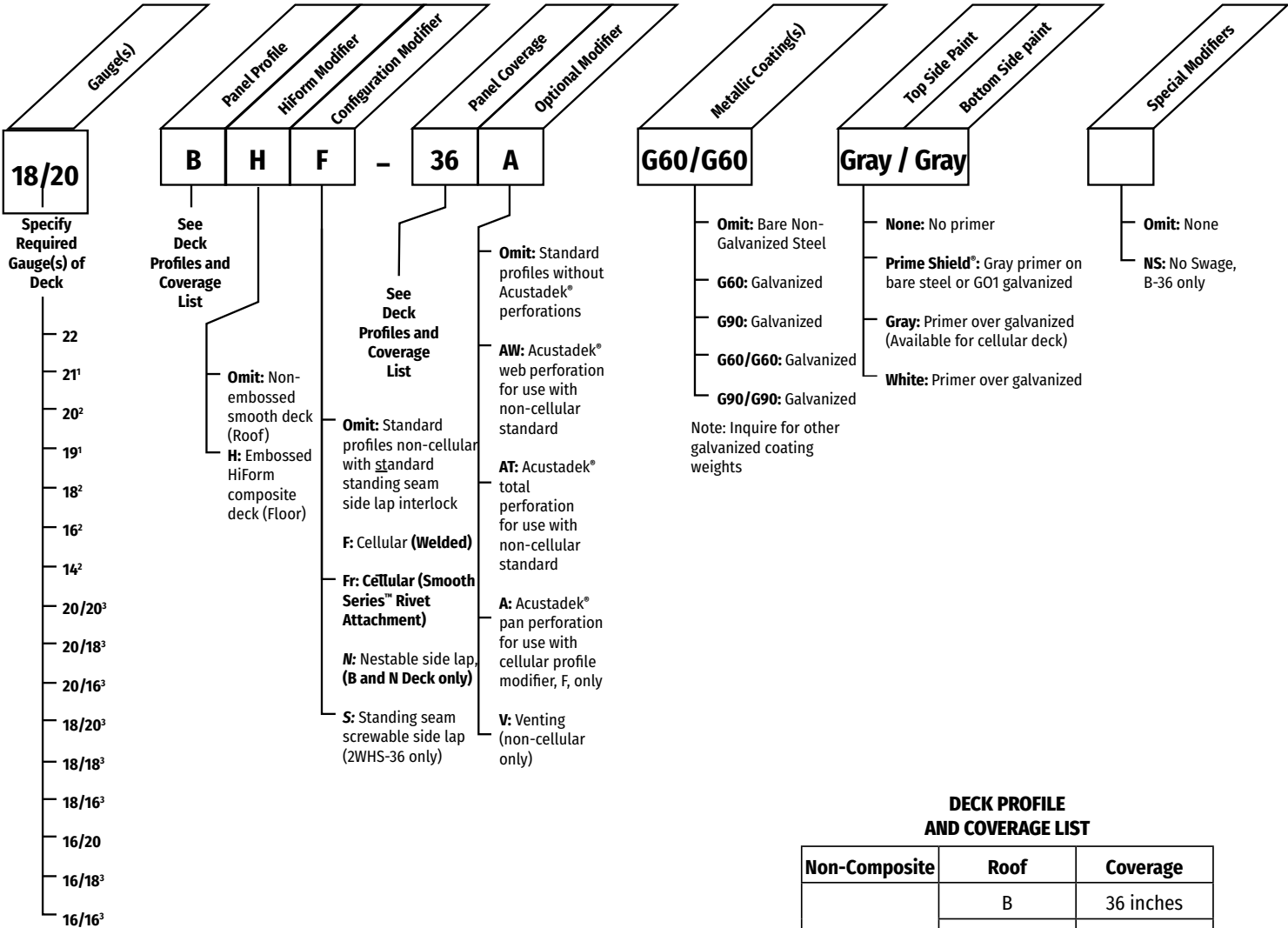
ASC Steel Deck was the first West Coast manufacturer to incorporate diaphragm shear and superimposed load tables based on ANSI/SDI C-2017 Standard for Composite Steel Floor Deck-Slabs. This standard was adopted for inclusion in the 2018 IBC.

ASC Steel Deck has also led the way in providing innovative products which reduce installation costs at the highest level of performance. Several examples include:

- **Smooth Series™** - A rivet attachment for our portfolio of cellular deck products offers a blemish free attachment solution, eliminating the need for field touch up and saving on labor costs and time. **New to the West Coast.**
- **N-32® Roof Deck** - A 32" wide by 3" deep roof deck profile providing a 10% improvement in steel utilization and up to 20% reduction in installation costs as compared to the industry standard N-24 panel.

Floor Deck Product Offer

Figure 1.2.3: PRODUCT OFFER DESCRIPTION



¹ 2W & 3Wx only on special order
² D is only available in these gauges
³ DF is only available in these gauges

DECK PROFILE AND COVERAGE LIST

Non-Composite	Roof	Coverage
Not Applicable	B	36 inches
	N	32 inches
	2W	36 inches
	3Wx	36 inches
C0.9-32	Not Applicable	32 inches
C1.4-32	CP-32	32 inches
Not Applicable	4.5D	12 inches
	4.5DF	24 inches
	6D	12 inches
	6DF	24 inches
	7.5D	12 inches
	7.5DF	24 inches

Floor Deck Product Offer

ASC Steel Deck offers a robust product offer. Our lightweight steel deck profiles have depths that range from $\frac{7}{8}$ " to $1\frac{1}{2}$ ". Panel lengths range from 5 feet to 45 feet. Steel deck panels are supplied with both galvanized and painted finishes to meet an array of project finish requirements.

Product Description

To assist designers with specifying the correct steel deck profile, see Figure 1.2.3 (on previous page), which details how to specify the intended product. Following these guidelines will help to eliminate requests for information and change orders due to insufficient product descriptions in the plans and specifications. Designers can be assured that the product delivered is the product intended. Simply specify the gauge, panel profile, panel coverage, metallic/paint coating, and any modifiers appropriate for the desired product.

Deck Panel Lengths

All ASC Steel Deck products are manufactured to the specified length for the project. The following table summarizes the minimum and maximum lengths that can be manufactured for each profile.

Figure 1.2.1: MANUFACTURED PANEL LENGTHS

Profile		Factory Cut Length	
		Minimum	Maximum
Non-cellular	B-36, N-32, 2W-36, 3W-36	3'-6"	45'-0"
	CP-32	4'-0"	45'-0"
Cellular	BF-36, NF-32, 2WF-36, WF-36	5'-0"	40'-0"

Tolerances

ASC Steel Deck manufactures to industry standard tolerances. The tolerances are summarized as follows.

Figure 1.2.2: PANEL TOLERANCES

Length	$\pm 1/2$ "
Coverage Width	$-3/8$ " $+3/4$ "
Sweep	$1/4$ " in 10' length
Square	$1/8$ " per foot width

Finish Options

ASC Steel Deck offers several finish options that are appropriate for a variety of applications. Our standard G60 galvanized finish is suitable for most applications, offering excellent corrosion protection and compatibility with fire proofing when used in UL fire rated assemblies. We also offer PrimeShield®, an economical prime paint system over bare cold rolled steel. PrimeShield offers the steel limited interim protection from rusting during transport and erection before the weather-tight roof system is applied. PrimeShield should not be used in high humidity or corrosive environments. Prime paint over galvanized steel deck can also be specified to obtain the benefit of the corrosion protection of galvanized steel deck with a factory applied prime paint substrate.

Galvanized

ASC Steel Deck offers steel deck products that are galvanized in accordance with ASTM A 653. The standard galvanized coating is G60 (0.6 ounce per square foot). G-90 (0.9 ounce per square foot) is recommended for high humidity and corrosive conditions. G-40 (0.4 ounce per square foot) may be specified for greater economy. Heavier galvanized finishes than G-90 can be specified for more severe environmental conditions and exposures. Inquire for product availability and minimum order sizes for G-40 or galvanizing heavier than G-90.

All ASC Steel Deck galvanized decks are manufactured from chemically treated steel coil in accordance with ASTM A 653. Chemical treatment is often referred to as passivation. The chemical treatment protects the galvanized steel from developing white rust during storage and transport of both coil and finished product. Some field-applied paint systems may not be compatible with the chemical treatment. The paint manufacture should be consulted to determine how the deck should be prepared prior to painting. ASC Steel Deck is not responsible for the adhesion of field applied primers and paints.

Galvanized with Prime Paint

ASC Steel Deck offers all of its standard galvanized options with factory applied prime paint on the underside of the deck. The prime paint is available in standard gray. White primer is also available. The standard 0.3mil water-based gray acrylic primer has been specially developed to provide superior adhesion to the galvanized steel deck and is suitable for use in many UL fire rated assemblies. Factory applied primer is an impermanent interim coating that is intended to have finish paint applied after the deck is installed. The galvanized with prime paint option may eliminate the need for any special surface preparation for field applied paint applications which is often a requirement for chemically treated bare galvanized steel deck panels. ASC Steel Deck is not responsible for the adhesion of paint systems applied in the field.

Cellular deck is offered with a galvanized steel pan or a prime paint over galvanized steel pan. This 0.3mil gray primer is applied to the underside of the pan prior to resistance welding or riveting the cellular deck beam to the pan. Our new Smooth Series™ rivet attachment is flush with the exposed bottom surface, omitting visible "bumps" and burn marks, as well as eliminating the cost of touch-ups associated with resistance welded deck products. Resistance welded deck, the current industry standard, leaves burn marks on the pan which generally require cleaning and touch-up prior to the application of a finish paint system being applied. Touching up the burn marks is generally much more cost effective than preparing an unpainted, chemically treated surface for the application of a field primer. The prime painted galvanized pan provides a good substrate for the application of most field-applied paint systems. ASC Steel Deck is not responsible for the adhesion of paint systems applied in the field.

Floor Deck Panel Features and Benefits

3WxH-36 Hi Form®



Composite deck
3 inch deep, 36 inch coverage,
10 foot to 14 foot Optimal Span Range

No Acustadek® Options

- ▲ Proven for 10 to 14 foot span conditions
- ▲ Meets SDI 3x12 inch standard profile requirements
- ▲ Longer unshored spans than 2WH-36 and BH-36
- ▲ Meets industry standard 4.5" min. flute width
- ▲ Compatible with all standard concrete anchors

2WH-36 Hi Form®

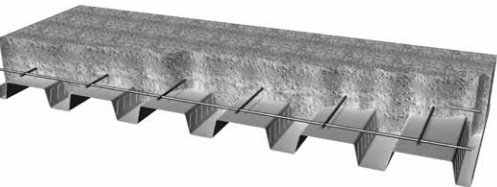


Composite deck
2 inch nominal depth, 36 inch coverage
7 foot to 12 foot Optimal Span Range

No Acustadek® Option

- ▲ Least steel weight per square foot floor deck
- ▲ Meets SDI 2x12 inch standard profile requirements
- ▲ Reduced composite slab depth compared to 3WxH-36 and NH-32

BH-36 Hi Form®

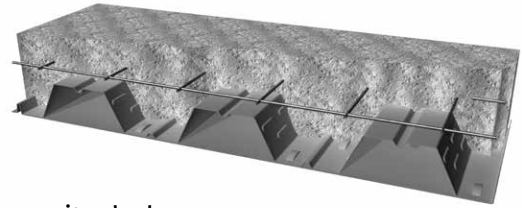


Composite deck
1 1/2 inch depth, 36 inch coverage
7 foot to 10 foot Optimal Span Range

No Acustadek® Option

- ▲ Lowest composite deck-slab weight per square foot for the specified concrete thickness above the deck
- ▲ Meets SDI 1.5WR (wide rib) standard profile requirements

3WxHF-36 Hi Form®

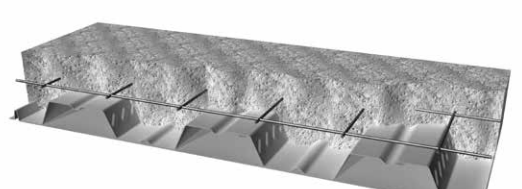


Composite deck
3 inch deep, 36 inch coverage,
11 foot to 15 foot Optimal Span Range

Pan Perforated Acustadek® Option (Available with Smooth Series™ rivet attachments or welded)

- ▲ Aesthetic flat pan underside
- ▲ Meets SDI 3x12 inch standard profile requirements
- ▲ Longer unshored spans than 2WH-36 and BH-36
- ▲ Meets industry standard 4.5" min. flute width
- ▲ Compatible with all standard concrete anchors

2WHF-36 Hi Form®

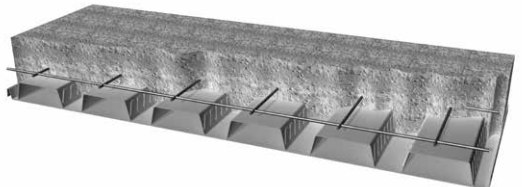


Composite deck
2 inch nominal depth, 36 inch coverage
9 foot to 13 foot Optimal Span Range

Pan Perforated Acustadek® Option (Available with Smooth Series™ rivet attachments or welded)

- ▲ Aesthetic flat pan underside
- ▲ Meets SDI 2x12 inch standard profile requirements
- ▲ Reduced composite slab depth compared to 3WxHF-36 and NHF-32

BHF-36 Hi Form®



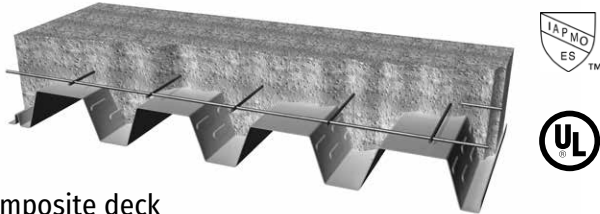
Composite deck
1 1/2 inch depth, 36 inch coverage
7 foot to 12 foot Optimal Span Range

Pan Perforated Acustadek® Option (Available with Smooth Series™ rivet attachments or welded)

- ▲ Aesthetic flat pan underside
- ▲ Meets SDI 1.5WR standard profile requirements

Floor Deck Panel Features and Benefits Cont.

NH-32 Hi Form®



Composite deck

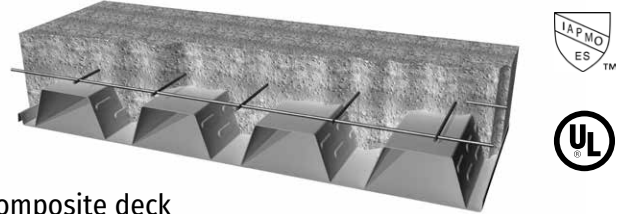
3 inch depth, 32 inch coverage

10 foot to 15 foot Optimal Span Range

No Acustadek® Options

- ▲ Longest unshored spans
- ▲ Excellent alternate to SDI DR (deep rib) profile
- ▲ Lower composite deck-slab weight than 3WxH-36 for the specified concrete thickness
- ▲ 8 inch on center low flute spacing to allow for bearing wall studs to be at 16 inches on center

NHF-32 Hi Form®



Composite deck

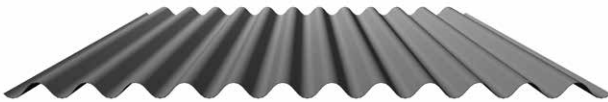
3 inch depth, 32 inch coverage

11 foot to 15 foot Optimal Span Range

Pan Perforated Acustadek® Option (Available with Smooth Series™ rivet attachments or welded)

- ▲ Aesthetic flat pan underside
- ▲ Excellent alternate to SDI DR (deep rib) profile
- ▲ 8 inch on center low flute spacing to allow for bearing wall studs to be at 16 inches on center

C0.9-32 (CF^{7/8})



Non-composite deck

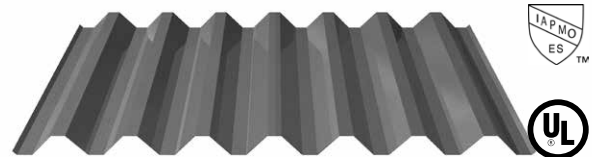
7/8 inch depth, 32 inch coverage

2 foot to 7 foot Span Range

No Acustadek® Options

- ▲ Good for short span conditions
- ▲ For use when metal deck is used as a leave in place form

C1.4-32 (CF^{1 3/8})



Non-composite deck

1 3/8 inch depth, 32 inch coverage

4 foot to 9 foot Span Range

No Acustadek® Options

- ▲ Good for intermediate span conditions
- ▲ For use when metal deck is used as a leave in place form



Manufacturing Facilities

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