
 OFFICE

 DEALER

 INSTALLATION

STOR-DECK WIDE SPAN MEZZANINE INSTALLATION AND DOCUMENT LIST
REV. DATE 7/16/09

<u>DWG.#</u>	<u>REV. DATE</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
WS010	AS NOTED	INSTALLATION	MEZZANINE FRAMING PLAN
WS012	6/15/06	INSTALLATION	LOST OR DAMAGED GOODS
WS015	AS NOTED	INSTALLATION	PACKING LIST
WS018	6/15/06	INSTALLATION	TOUCH UP PAINT
WS020	AS NOTED	INSTALLATION	SUGGESTED MEZZANINE DECK LAYOUT(S)
WS035	AS NOTED	JOIST	JOIST BILL OF MATERIAL
WS036	7/7/06	BCHEXTPLT	BOTTOM CHORD EXTENSION PLATE DETAIL
WS037	6/15/06	TCHPLT	TOP CHORD JOIST PLATE DETAIL
WS050	AS NOTED	INSTALLATION	HARDWARE LIST
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WS100/A	7/10/06	INSTALLATION	TYPICAL SIDE VIEW OF WF BEAM - STANDARD RAIL POST
WS110	7/10/06	INSTALLATION	TYPICAL SIDE VIEW OF BAR JOIST - SPECIAL IND. RAIL POST
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WS111	7/2/09	INSTALLATION	DECK FASTENING METHOD (PG. 1 OF 2)
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WS120	7/16/09	INSTALLATION	TYPICAL STAIR & LANDING
WS130	8/5/96	FAB/QC	FAB/QC COVER SHEET
WS150 thru WS169-8	8/5/96	COLUMN	WIDE SPAN COLUMNS
WS170	8/5/96	BEAM	WIDE FLANGE BEAM
WS175	8/5/96	HBEAM	CHANNEL HEADER BEAM
WS700	8/5/96	BCHBRKT	BOTTOM CHORD BRACKET
WS700-6	8/5/96	BCHBRKT	BOTTOM CHORD BRACKET
WS700-7	8/5/96	BCHBRKT	BOTTOM CHORD BRACKET
WS700-8	8/5/96	BCHBRKT	BOTTOM CHORD BRACKET
WS700-S	8/5/96	SBCHDBRKT	SPECIAL BOTTOM CHORD BRACKET
WS720	8/5/96	BRA	BRIDGING ANGLE
WS722	12/9/96	BROD	BRIDGING ROD
WS725	8/5/96	DBRA	DIAGONAL JOIST BRACING
WS730	8/5/96	DG&GB	OSHA DROP GATE & GATE BRACKET
WS732	8/5/96	DGB&GGB	BOCA DROP GATE & GATE BRACKET
WS734	8/5/96	SGL	OSHA SWING GATE - LEFT
WS735	8/5/96	SGLB	BOCA SWING GATE - LEFT
WS737	8/5/96	SGR	OSHA SWING GATE - RIGHT
WS738	8/5/96	SGRB	BOCA SWING GATE - RIGHT
WS740	8/5/96	DSG	OSHA DOUBLE SWING GATE
WS745	8/5/96	DSGB	BOCA DOUBLE SWING GATE

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<u>DWG.#</u>	<u>REV. DATE</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
WS746	8/5/96	SLIDE	OSHA SLIDING GATE
WS746B	8/5/96	SLIDEB	BOCA SLIDING GATE
WS747A	8/20/96	VERTLAD	VERTICAL LADDER ATTACHING IN THE PPA DIRECTION
WS747I	8/20/96	VERTLAD	VERTICAL LADDER ATTACHING IN THE PPI DIRECTION
WS750	8/5/96	HR&TG	OSHA HAND RAIL & TOE GUARD
WS750-A	8/5/96	HR&TG&IRP	OSHA HAND RAIL & TOE GUARD W/INDEPENDENT RAIL POST
WS751	8/5/96	BKTPOST	OSHA BRACKET MOUNT POST & FLAT BAR WASHER
WS752	8/5/96	BKTPOSTB	BOCA BRACKET MOUNT POST & FLAT BAR WASHER
WS755	8/5/96	TGS	SPECIAL TOE GUARD
WS756	8/5/96	FASCIA	FASCIA
WS760	8/5/96	HRB&TGB	BOCA HAND RAIL & TOE GUARD
WS761	8/5/96	HRB&TGB&IRPB	BOCA HAND RAIL & TOE GUARD W/INDEPENDENT RAIL POST
WS765	8/5/96	IRPFBW	INDEPENDENT RAIL POST FLAT BAR WASHER
CM770 thru CM799SB-D	6/29/09	STAIR&ENDPLATE	STAIR & STAIR ENDPLATE
CM810	6/29/09	SHIPLAD	LEVEL 1 SHIPS LADDER-STANDARD RAIL
CM810-A	8/27/08	SHIPLAD	LEVEL 2 SHIPS LADDER-STANDARD RAIL
CM811	2/18/09	SHIPLAD PLATE	LEVEL 1 SHIPS LADDER END PLATE
CM811-A	1/31/01	SHIPLAD PLATE	LEVEL 2 SHIPS LADDER END PLATE
CM812	6/29/09	SHIPLAD	LEVEL 1 SHIPS LADDER-HATCH ACCESS RAIL
CM812-A	8/27/08	SHIPLAD	LEVEL 2 SHIPS LADDER-HATCH ACCESS RAIL
WS830	8/9/96	NSBCH	NARROW SPAN BOTTOM CHORD
WS840	8/9/96	NSFJ	NARROW SPAN FILLER JOIST
WS850	8/5/96	SJ	STAIR JOIST
WS850-A	8/5/96	SJ	STAIR JOIST
WS855	8/5/96	STRBRKT	STAIR & HAND RAIL BRACKET
WS856	8/5/96	JC	JOIST CLAMP
WS857	8/5/96	FSP	FASCIA SHIM PLATE
WS870	8/5/96	SP	WIDE FLANGE SPLICE PLATE
WS880	8/5/96	BMMNT	45 DEGREE DIAGONAL BEAM MOUNT BRACE
WS885	8/5/96	FLRMNTSHT	45 DEGREE DIAGONAL FLOOR MOUNT BRACE (SHORT)
WS886	8/5/96	FLRMNTLG	45 DEGREE DIAGONAL FLOOR MOUNT BRACE (LONG)

LOST OR DAMAGED GOODS

**You should thoroughly inspect this shipment
at the time it is received!**

This material was carefully counted, packaged and properly loaded for shipment when accepted by the carrier.

In the event of any loss or damage, the delivery receipt **MUST BE SIGNED AND NOTED AS SUCH**. You must notify your freight agent at once and request him/her to make an inspection report. This is absolutely necessary. If not done, the transportation company will not entertain any claim for loss or damage.

After an inspection report and claim have been submitted to the carrier, you must retain the material for possible carrier pick-up, prior to the payment of a claim.

This material was shipped FOB Shipping Point. Contrary to popular belief, FOB (Free On Board) does not determine who pays the freight. FOB is the point where the title of the goods passes from seller to buyer. The carrier now acts as an agent for the buyer.

In accordance with common law, the responsibility of the seller ceases at the time the carrier picks up the freight.

**WE ARE WILLING TO ASSIST YOU IN EVERY POSSIBLE MANNER IN COLLECTING
CLAIMS FOR LOSS OR DAMAGE IN TRANSIT, BUT THIS DOES NOT MAKE US
RESPONSIBLE FOR COLLECTION OF CLAIMS OR REPLACEMENT OF THE
MATERIAL.**

TOUCH UP PAINT

Color # 1: _____

Color # 2: _____

Size of can: _____

Size of can: _____

Number of cans: _____

Number of cans: _____

Color # 3: _____

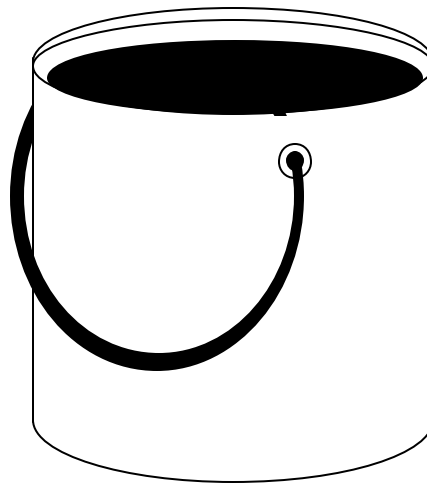
Color # 4: _____

Size of can: _____

Size of can: _____

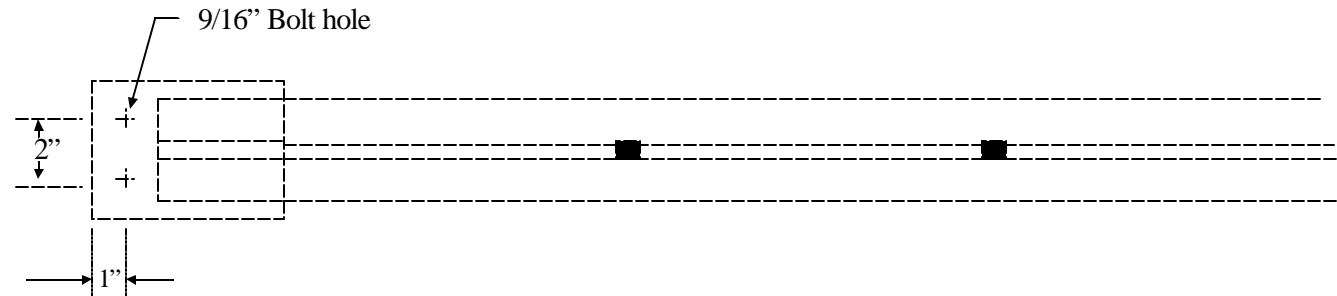
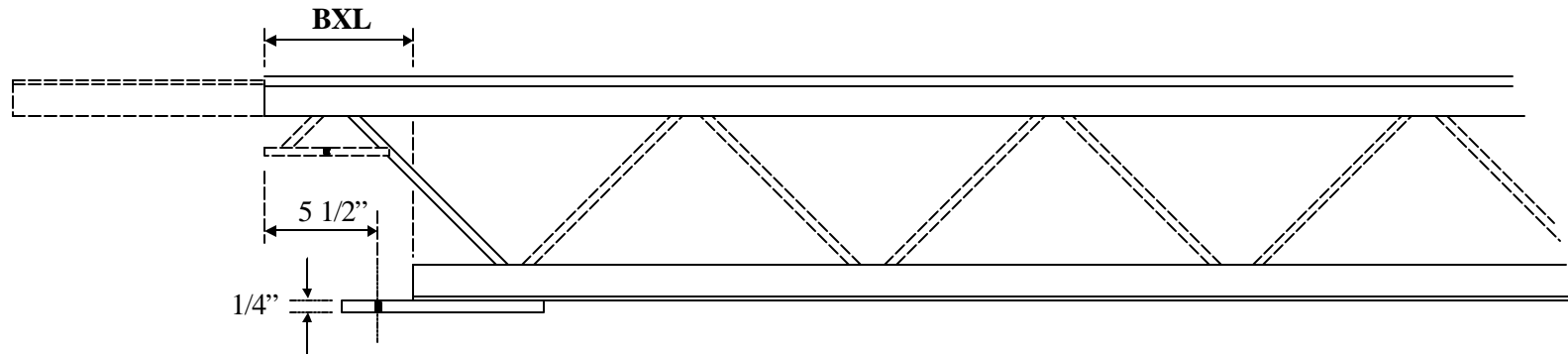
Number of cans: _____

Number of cans: _____



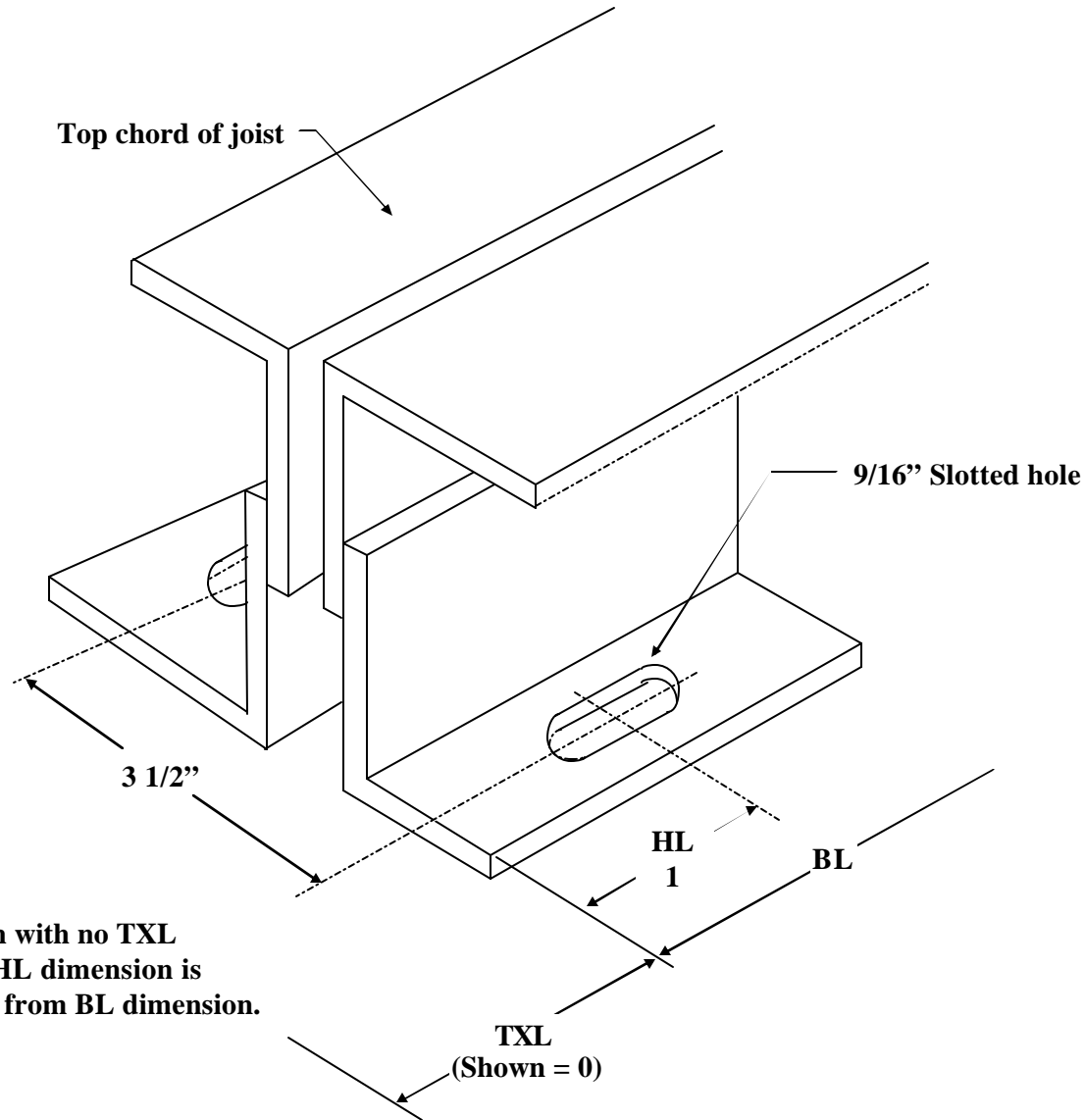
BOTTOM CHORD EXTENSION PLATE

Part No: BCHEXPLT

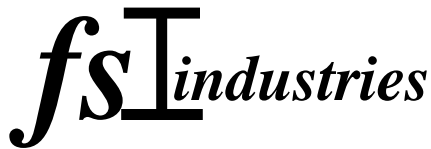


TOP CHORD JOIST PLATE DETAIL

Part No: TCHPLT



NOTE:
Joist shown with no TXL
Also note HL dimension is
referenced from BL dimension.



WIDE SPAN MEZZANINES INSTALLATION INSTRUCTIONS

GENERAL ERECTION REQUIREMENTS

WS053

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FS Industries' products are precision engineered and manufactured. For this reason, the following erection requirements shall be followed:

Drawing Deviations - Any deviation from component and assembly drawings shall be approved, in writing and in advance, by FS Industries.

Material Substitution - Material substitutions shall not be made without advance written approval of FS Industries.

Welding - * All field welding shall be performed in accordance with all applicable provisions of the American Welding Society* (AWS) Structural Welding Code.

Welding Processes - Field weld joints specified on FSI drawings are prequalified to the AWS code, but limited to manual shielded metal arc, submerged arc, gas metal arc (except short circuiting transfer), and flux - cored arc weld procedures.

Columns - Columns shall be installed within one quarter (1/4) inch of vertical. Column Base Plates (footplates) shall be grouted or shimmed to insure uniform bearing pressure.

Anchorage - Unless otherwise specified on a Material Specifications Sheet or on the installation drawing, positive attachments of all vertical columns, stairs, and other load carrying elements at floor level shall be accomplished using an approved wedge type anchor bolt. Installation shall be in accordance with manufacturer's specifications at the locations indicated on the installation drawing(s).

Bolting - Bolted connections shall be made, insuring contact between members, and adequately torqued.

Decking - Decking fasteners shall be installed and torqued to insure contact between joined components.

Foundations - Footings, foundations, and slabs shall be designed to distribute and support column loads specified on FSI drawings.

Seismic Loading - Unless otherwise specified on drawings or in writing by FS Industries, FS Products are designed for seismic loading.

General - * Assembly and erection shall be in accordance with applicable provisions of the American Institute of Steel Construction (AISC), Manual of Steel Construction, and any local State and Federal Building Codes, Specifications, Laws or Acts having jurisdiction in the location of the FS Industries Products installation unless FS Industries Product Drawings or FS Industries written documents specify more stringent requirements.

* Revision for documents is to be that in effect at the time of installation.

Procedures - All methods, operations, and erection procedures shall be performed in accordance with the provisions of the Occupational Safety and Health Administration (OSHA).

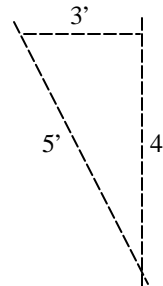
WIDE SPAN MEZZANINES INSTALLATION INSTRUCTIONS

**NOTE: Before beginning installation, read and follow
General Erection Requirements document, WS053.**

WS054
Page 2 of 5

Before starting installation all material should be checked. A piece count should be done to determine that you have received all the components shipped.

1. Clear floor area where mezzanine is to be installed.
2. Establish a starting point (preferably a corner) and strike a chalk line on the floor representing the center line of the column running parallel to the H beams. Next, another chalk line must be struck along the center line of the column running perpendicular to the H beam. The 3-4-5 method of squaring will insure a 90° corner.



The intersection of the two center lines is where you can now install the first column. Orient this column so that the clips on the column will bolt to the bottom of the joists. This column should be anchored to the floor. (One anchor is suggested until mezzanine is fully erected and square.) Next, the appropriate H beam is selected and bolted to the top of the column previously installed. The other end of the H beam will be centered on the column. (See sheets WS100 and WS110)

3. The next center line of the H beams should be taken from the framing plan and marked on the floor parallel to the H beams just installed. Again, two columns and an H beam can be installed. Remember to orient columns with clips in proper direction to bolt to bottom of joists.

4. Bar Joists

Each bar joist has a metal # tag. The framing plan indicates the tag end of the joists. The proper joist for this bay can now be selected from the framing plan and raised into position. The top of this joist must be rigidly fastened to the top of the H-beam, and the bottom of this joist must be bolted to the clip provided on the column. (See sheets WS035, WS036, WS037, WS110 and WS110/A). The remaining joists can be installed in the bay at this time with the exception of the joist which ties the columns together. The reason is that the joist sits half way on the next H-beam.

4A. Special Fabricated Joists (connect between beams)

Consult the framing plan to identify special joists for stair mounting etc. Refer to sheets WS850 & WS850-A to mount these joists in a similar fashion to the standard bar joists. Short span joists may also be installed in a similar configuration (See sheets WS840 & WS830).

4B. Special Channel Header Beams (connect between joists)

These components are bolted to joist brackets which mount on the joists. Assemble as shown on sheet WS058. These members are usually provided to create interior deck openings for stairs, access, etc.



WIDE SPAN MEZZANINES INSTALLATION INSTRUCTIONS

WS055

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5. Horizontal & diagonal bridging shown on framing plan should be installed on the bottom of joist before erecting the next bay. All remaining H-beams and joists can be installed in this manner, being sure to install bridging and diagonal bracing as you go. (See sheets WS720, W725, WS100, WS100/A, WS110, & WS110/A)
6. Determine the location of the stairway(s) from the framing plan. (See sheets WS058 & WS120) Establish the left and right hand stair stringers (smooth side of stringers face each other). Raise a stringer into position and fasten it to the mounting joist using 5/8"-11 x 2" bolts (C42), nuts (C44) and lockwashers (C46) provided, or to a landing post, sharing the bolts used to attach the channel to the opposite side of the post. Follow the same procedure for the opposite stringer. When the stringers are properly installed, they should extend above mezzanine framing the thickness of the deck being used. Start at the bottom and bolt the treads into the stringers using 3/8"-16 x 1 1/2" bolts (C24), nuts (C26), lockwashers (C28) and flatwashers (C30) provided. **DO NOT tighten the bolts until all treads have been installed.**
7. Use applicable decking instructions to install deck from types listed below:

DECKING PROCEDURES

a. 1 1/2" Corrugated B-deck & Plywood or B-deck & Diamond Plate/Smooth Plate

Consult B-deck plan provided to establish starting point of deck. All B-deck panels lap one another side to side and length to length. B-deck is fastened to joists using 12-24 x 1 1/4" TEK #5 screws (W10) provided. End of B-deck panels should have a screw (W10) in each corrugation touching the joist and they should be installed in alternate corrugations where they meet the joists along the interior length of the B-deck panel.

(See sheet WS111) **NOTE:** If screws are used to attach B-deck to supports, a 12-24 x 1 1/4" TEK #5 is advised. If deck is welded then Arc Puddle Welds are generally the most efficient and economical method of attaching steel deck to structural supports. Either E60XX or E70XX welding rods are recommended and the amperage must be adjusted to individual jobsite requirements: the American Welding Society Specifications for Welding Sheet Steel in Structures should be followed. Plywood in this case, will be screwed down from the top through the B-deck using 1 5/8" HI-LO screws (W15) provided. Plywood should be laid out to insure that the end of a sheet of plywood does not fall in the trough of the B-deck below. A quantity of fifteen (15) screws per 4' x 8' sheet of plywood are provided. Diamond or smooth plate in this case, will be riveted down from the top through the B-deck using #66 domed head rivets (W22) provided. Diamond/Smooth plate should be laid out to insure that the end of a sheet of plate does not fall in the trough of the B-deck below. It will be necessary to drill a 13/64" diameter hole in the diamond/smooth plate and B-deck to accept the rivets. A quantity of fifteen (15) rivets per 4' x 8' sheet of plate steel will be provided. Some field trimming may be required.

(See sheet WS111)

WIDE SPAN MEZZANINES INSTALLATION INSTRUCTIONS

WS056
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b. Bar Grating

Consult deck plan provided to establish starting point of deck. Install bar grating planks over steel joist framework per this deck plan. Either tack weld grating planks in place or use TEK screws & W-clips provided to bolt bar grating in place. If bolting grating, use ¼"-14 x 1½" TEK screws (W12) provided to screw down through W-clips (W14) into joists. 24" wide panels should have (2) TEK screws & W-clips per deck support joist they touch and 36" wide panels should have (3) per joist they touch. Some field trimming may be required. (See sheet WS112)

c. Galvanized Concrete Ready Corrugated Steel Deck (under Concrete by others)

Consult deck plan provided to establish starting point of deck. All corrugated deck panels lap one another side to side and length to length. Before fastening corrugated deck, fascia angle should be installed on the exposed perimeter of the mezzanine with the shorter leg resting on the bar joist and the longer leg pointing down. Then, pour stops provided are to be installed around perimeter of mezzanine with longer leg sitting under corrugated deck and shorter leg pointing up. Corrugated deck is fastened to joist using 12-24 x 1¼" TEK #5 screws (W10) provided. End of panels should have a screw in each corrugation touching the joist. Screws should be installed in alternate corrugations where they meet the joist. Some field trimming may be required. (See sheet WS112) **NOTE:** If screws are used to attach corrugated deck to supports, a 12-24 x 1¼" TEK #5 screw (W10) is advised. If corrugated deck is welded then Arc Puddle Welds are generally the most efficient and economical method of attaching steel deck to structural supports. Either E60XX or E70XX welding rods are recommended - the amperage must be adjusted to individual jobsite requirements: the American Welding Steel in Structures should be followed. Concrete is to be a minimum of 4000 psi fiber mesh mix. #3 rebar is to be used around any penetrations in the deck. Control joints should be cut in concrete to minimize cracking. Consult factory for location of joints if necessary.

d. Special Deck

If the deck material provided is not one of the above, a separate set of deck installation instructions are attached.

WIDE SPAN MEZZANINES INSTALLATION INSTRUCTIONS

WS057

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7B. Fascia Trim Angle

After all deck has been installed per the deck plan, the fascia trim angle should be installed on the exposed perimeter sections of the mezzanine using TEK screws (W10) as shown on sheets WS100, WS100/A, WS110 & WS110/A. (Fascia angle is installed after the deck is installed except for concrete ready corrugated steel deck and concrete by others) TEK screws are provided for fastening on approximately 2' centers. Fascia angle is provided in 10' lengths and may require field cutting.

8. Bracket mounting handrail (Refer to sheets WS100/A and WS100/A)

Refer to Decking layout to determine which sections of handrail are located where. Generally it will ease installation to begin installing the handrail from a corner where a channel bracket has been welded between the flanges of the H-beam. Mount the vertical post (See sheet WS751) onto the bracket welded to the beam leaving the bolts loose at this time. Install a 3" x 6" shim plate between the post and the bracket (WS059). Next, select handrail required and fasten it to the post previously installed using 5/8" x 4 1/2" bolts (W56). If the run of handrail is along the wide flange beam another vertical post may be installed at the end of handrail making sure the bolt hole orientation is the same on the handrail and the post. If the piece of handrail being installed is parallel to the joists, a joist bracket must be installed between the top and bottom cords of the joist 1 1/2" past the end of the handrail to the bracket centerline (See sheet WS059). Please note only four of the six holes in these brackets require fasteners. The post will install the same way as previously installed, however orientation of holes on post change. All other sections of handrail will install in a similar manner.

After all handrails in a particular run are installed go back and tighten all the fasteners.

8A. Independent handrail (posts with footplates-bolted thru deck)

Handrail can be installed around perimeter of the mezzanine by following the handrail layout shown on the deck plan, WS020. Start in a corner and fasten the first rail post in place by sandwiching the deck material between the rail post base plate and the flat bar washers provided. Attach appropriate rail section to first post and also to next rail post to be installed. After alignment, this second post can be installed through the deck as done with the first one and so on.

* **Note:** Be certain to use the flat bar washers on the underside of the deck material. Also, be certain to align center of railing post footplate with center of joist below. The edge of the footplate should be aligned with the outside edge of the flange of the H-beam below. (See sheets WS100, WS100/A, WS110 and WS110/A)

9. Toe guards should be installed on the inboard side of mezzanine posts, with 1" flange on the bottom, facing in. Toe guard is then TEK screwed (W10) to the post through the tabs on each end. (See sheets WS100, WS100/A, WS110 and WS110/A)

10. Drop gate brackets are installed where indicated toward the inboard side of mezzanine. This enables the user to merely lift gate out of one bracket and slide the gate to the side without actually removing the entire gate. Drop gates are mounted on inboard side of rail post. (See sheet WS730) Note: if drop gate falls in the corner of the mezzanine, it may be necessary to shim the gate bracket.

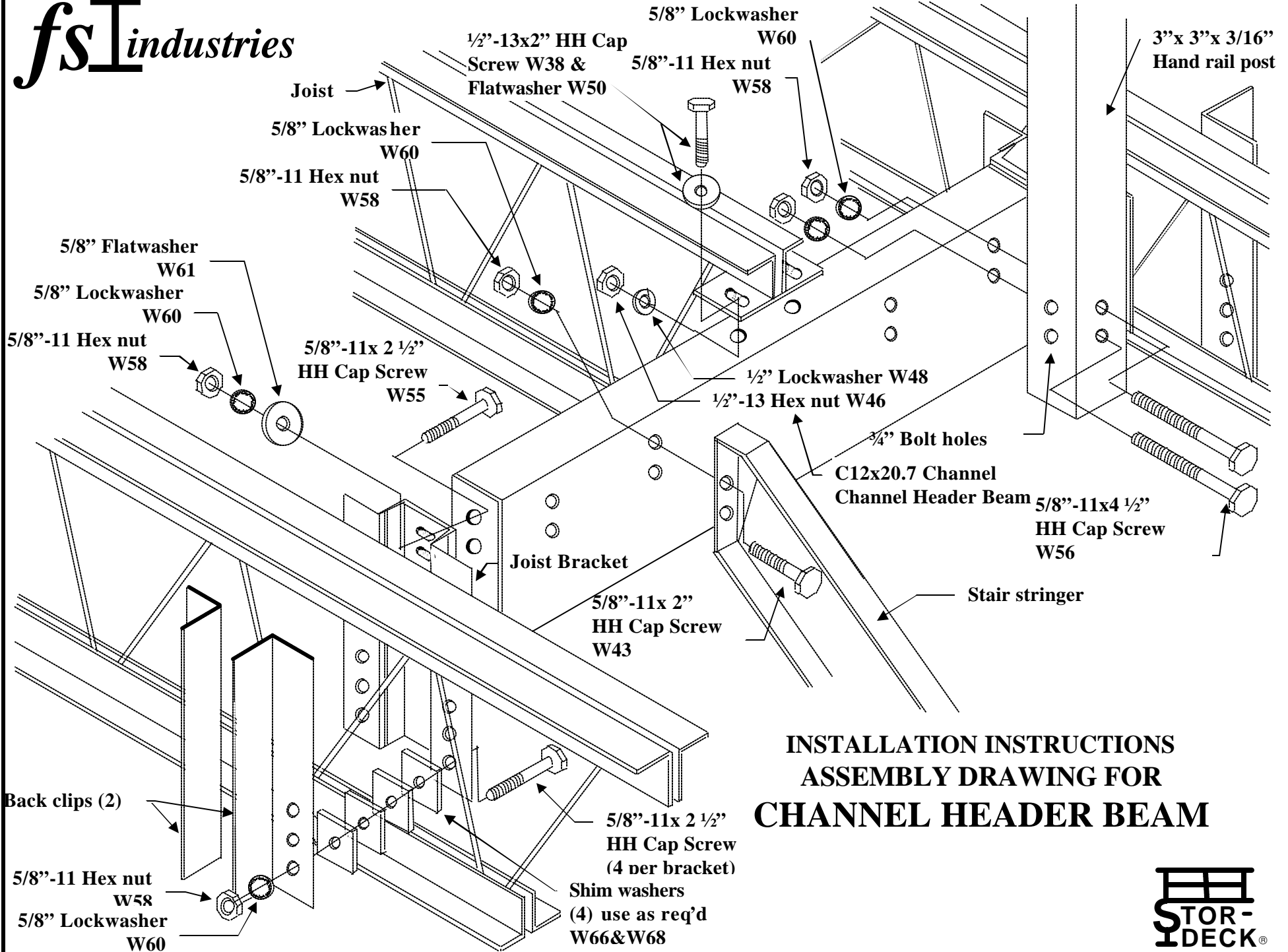
11. If sway braces are provided, they can be installed at this time per instructions included and where possible, wall ties should be used to insure the stability of the mezzanine.

12. Attach capacity stickers to columns in a highly visible location. (See sheet WS060)

13. Final checks!

After assembly is completed, verify that all bolts have been tightened, posts are plumb and that mezzanine is rigid and free of sway or lateral movement.

fs Industries

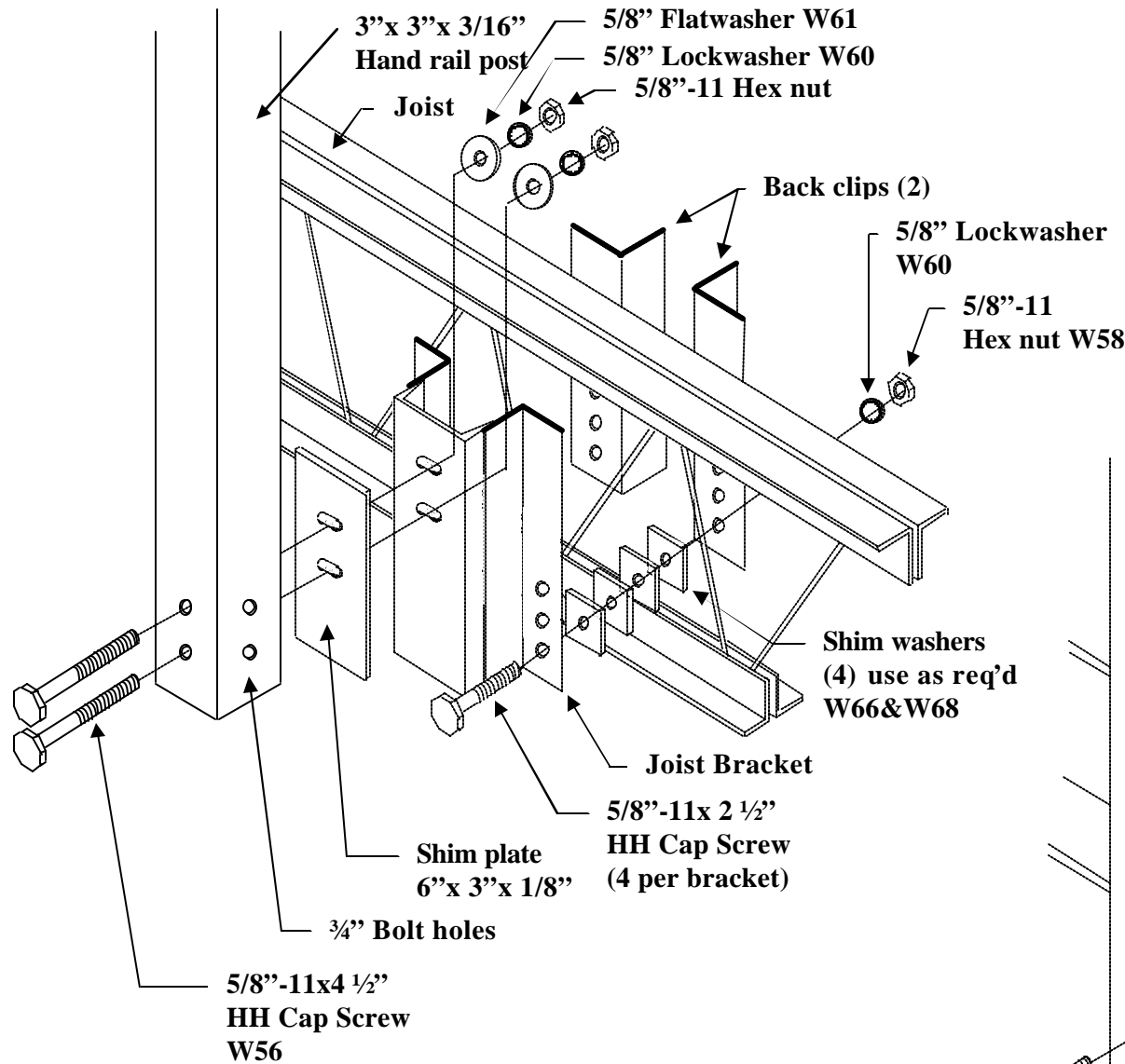
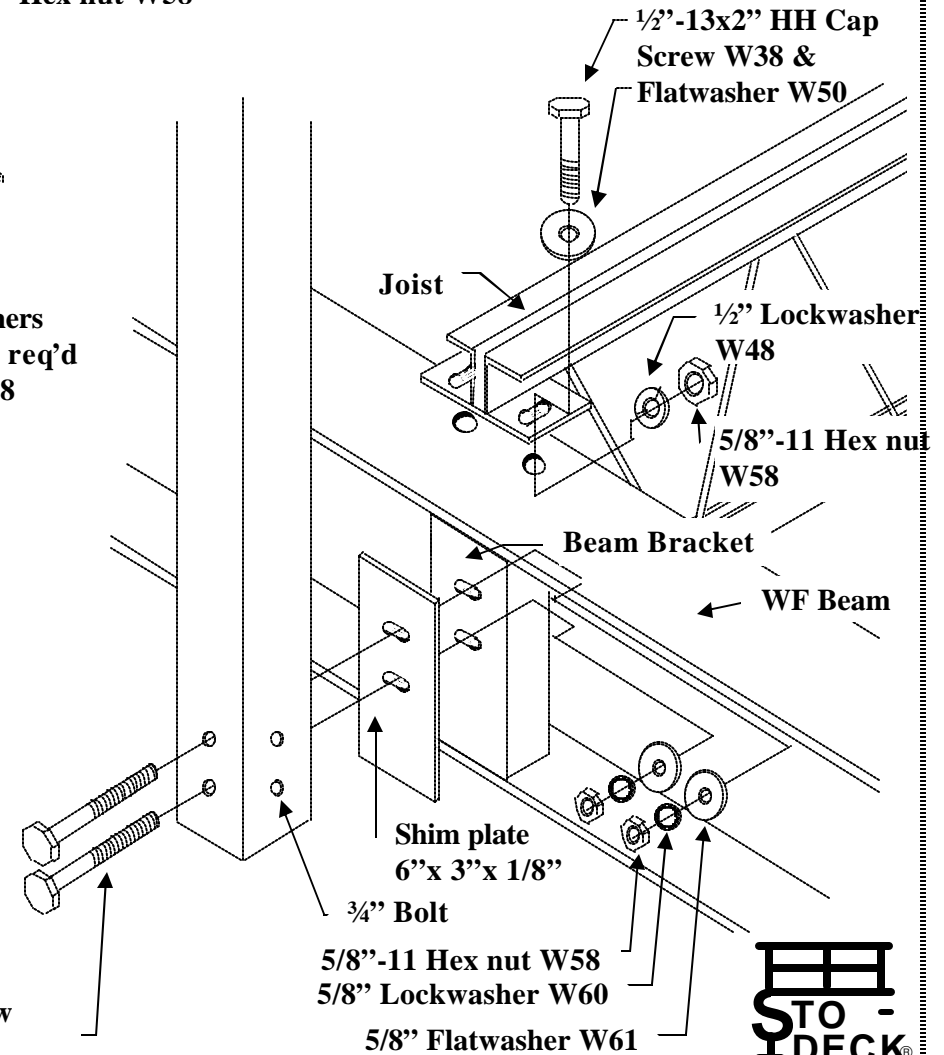


**INSTALLATION INSTRUCTIONS
 ASSEMBLY DRAWING FOR
 CHANNEL HEADER BEAM**



INSTALLATION INSTRUCTIONS ASSEMBLY DRAWING FOR BRACKET MOUNTING HAND RAIL POSTS

HAND RAIL POST MOUNTED TO BEAM BRACKET




HAND RAIL POST MOUNTED TO JOIST BRACKET

5/8"-11x4 1/2"
HH Cap Screw
W56

fs Industries



**LOAD CAPACITY STICKER
(4) PER JOB**

UNIFORMLY DISTRIBUTED FLOOR LOAD CAPACITY	
LBS. PER SQUARE FOOT	
<i>fsI</i> industries	<i>P.O. Box 72659, Providence, RI 02907 (800) 421-0314 Web: www.fsindustries.com</i>
	

NOTE TO INSTALLER:
Affix attached capacity stickers to a highly
visible location on mezzanine!

WIDE SPAN MEZZANINE INSTALLATION QUALITY CONTROL REPORT

Name/Customer: _____ Job No: _____

1. Condition mezzanine as received: _____

(Explain): _____

2. Installation package: (comment) _____

Blue print _____

Component sheets _____

Labeling of steel components _____

Representative drawing _____

Written instructions _____

Deck plan (Did you follow it?) _____

3. Hardware supplied: _____

4. Steel fabrication: _____

Holes drilled properly _____

Steel Channel/beam cut length _____

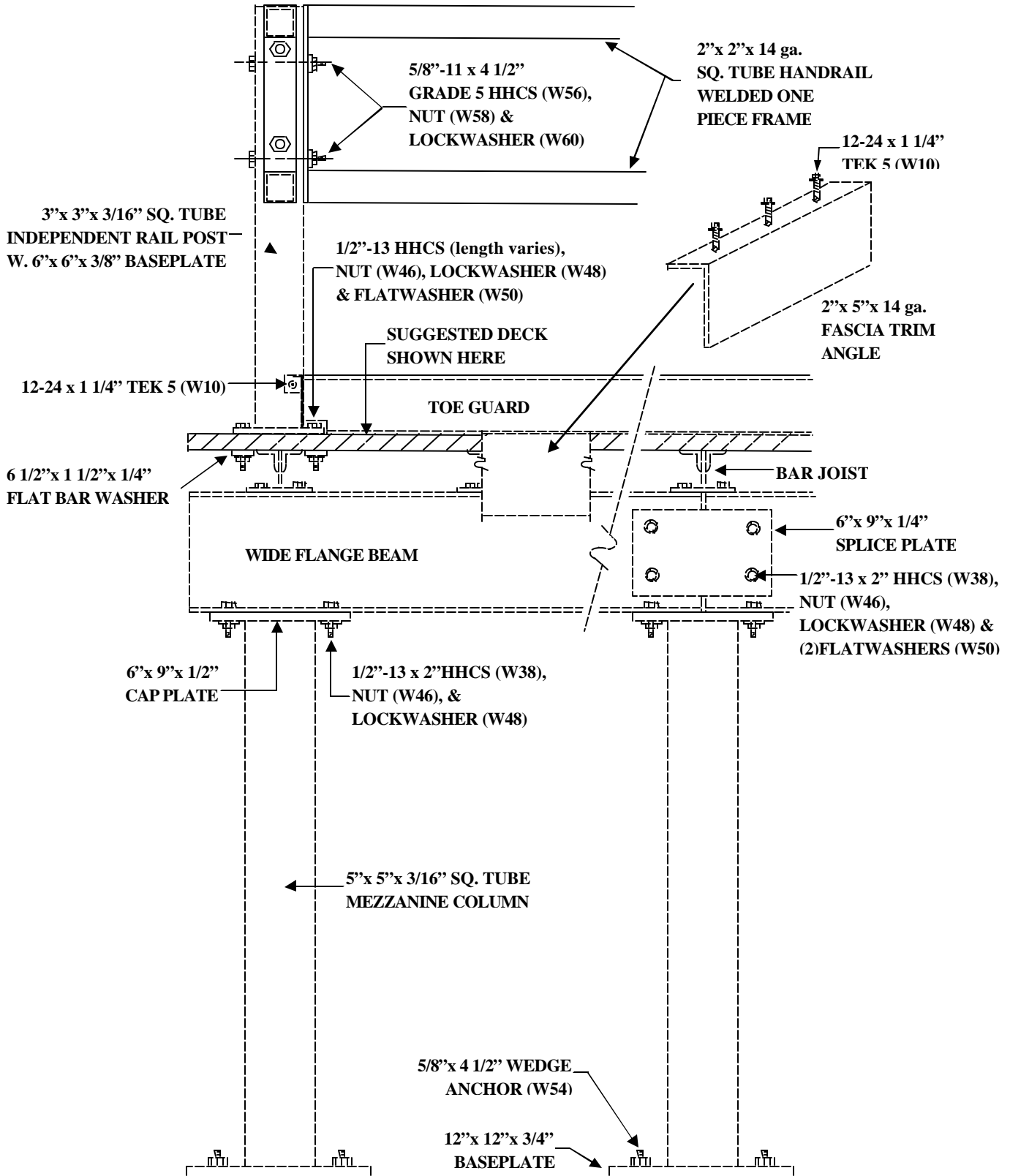
Handrail/Pallet gate _____

Stairway _____

5. Describe any field modification you may have had to make: _____

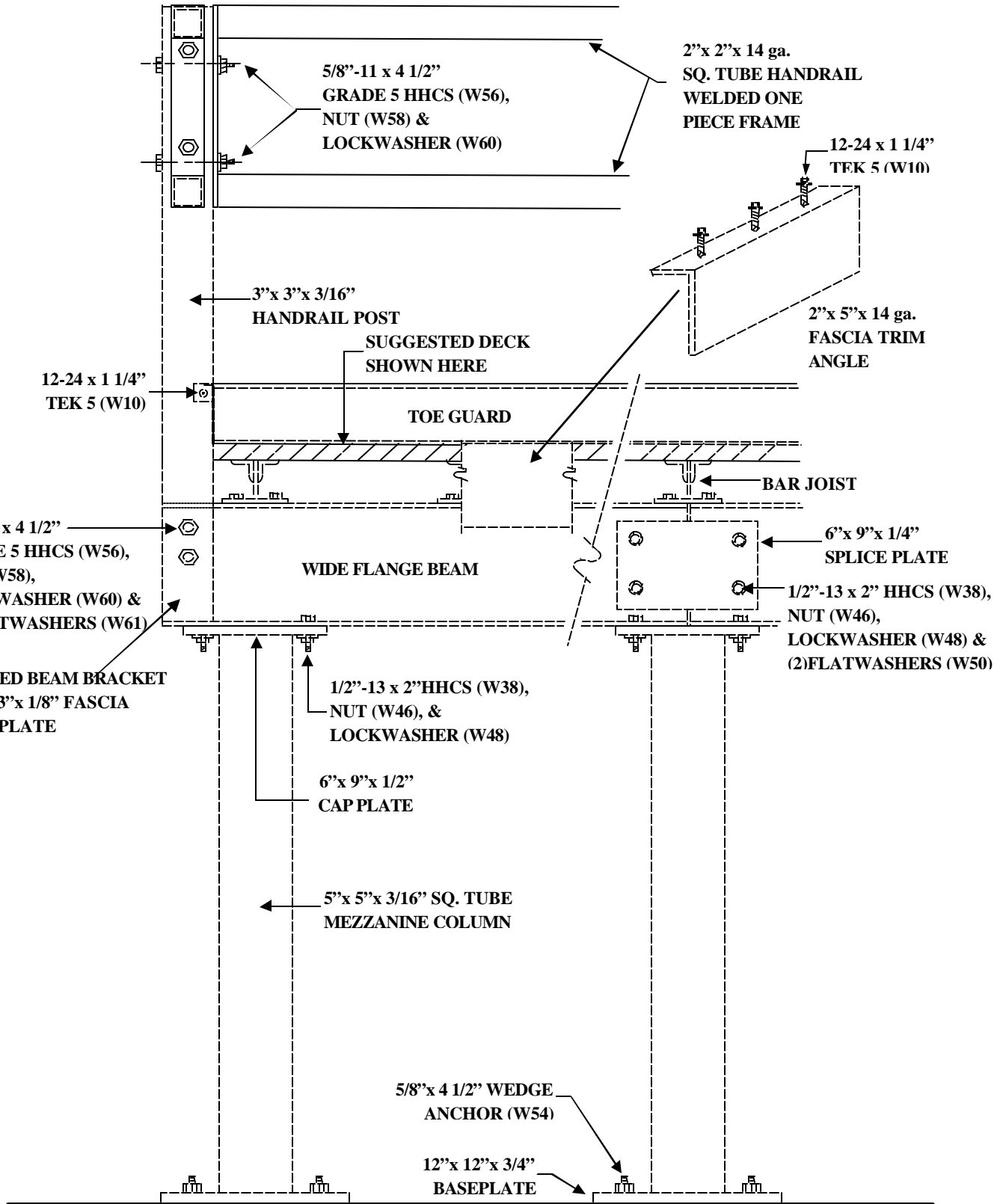
6. In your opinion - anything and everything you could suggest to help FS Industries

improve on our mezzanines (ease of installation, fabrication, design) _____



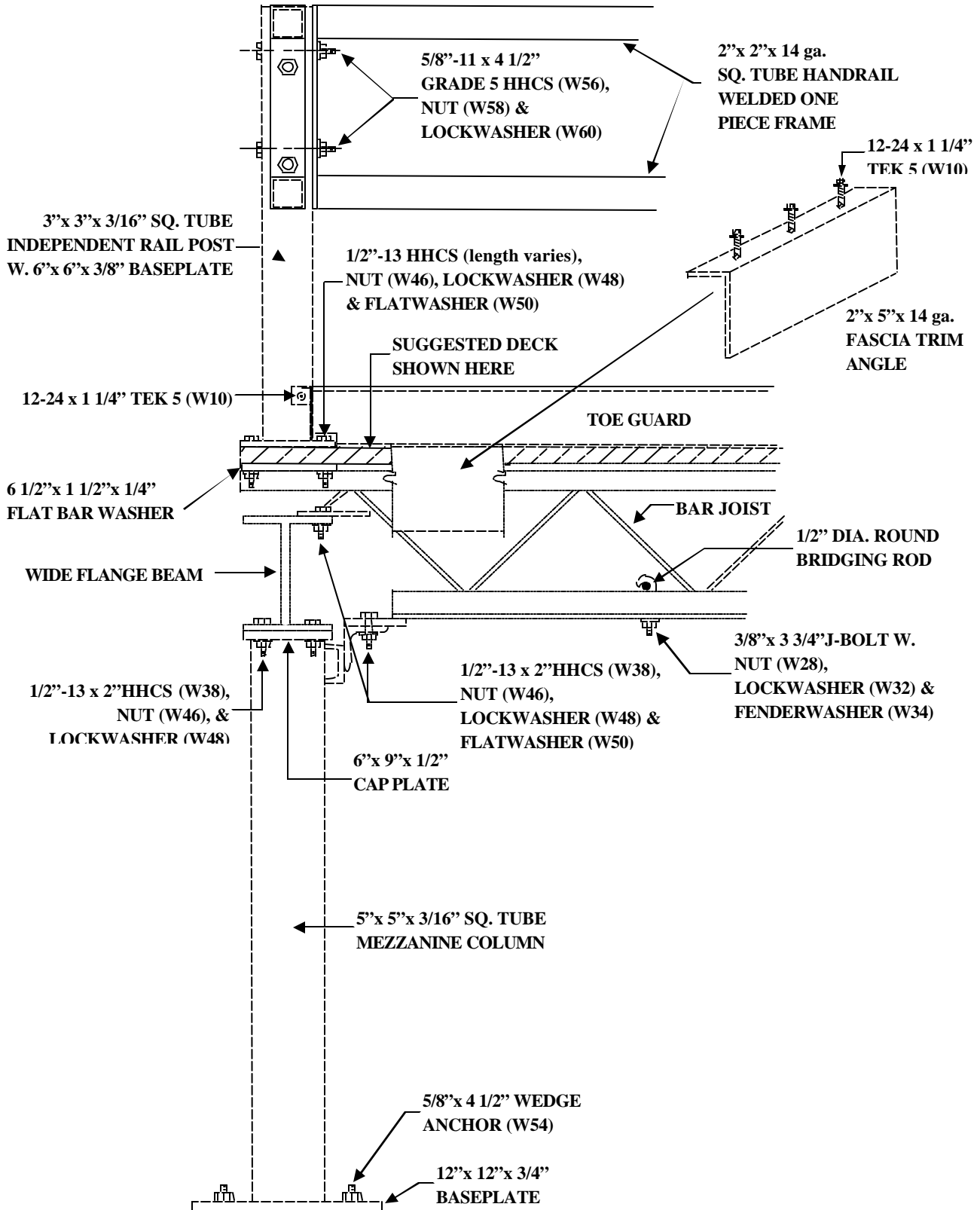
TYPICAL SIDE VIEW OF WIDE FLANGE BEAM





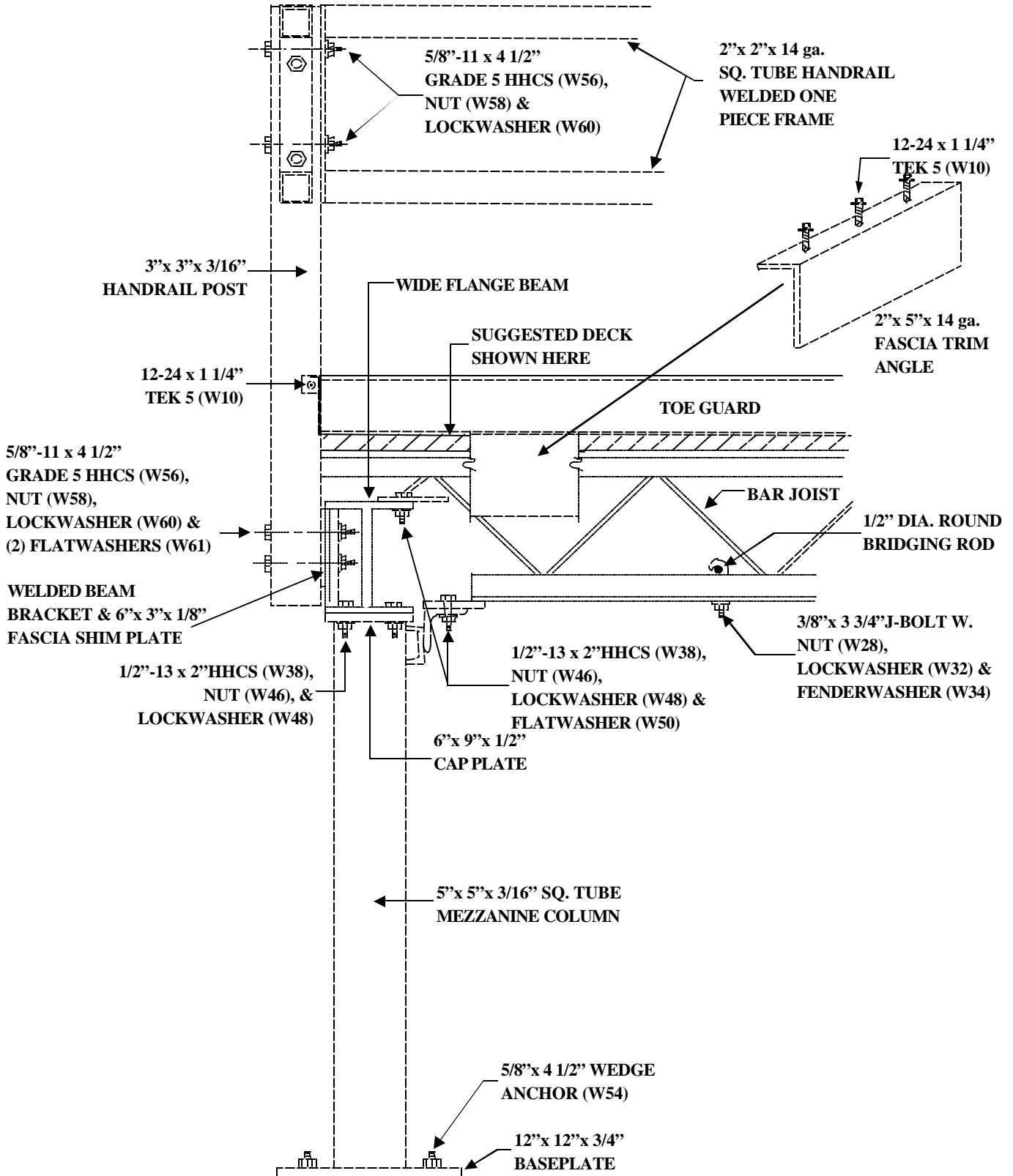
TYPICAL SIDE VIEW OF WIDE FLANGE BEAM





TYPICAL SIDE VIEW OF BAR JOIST

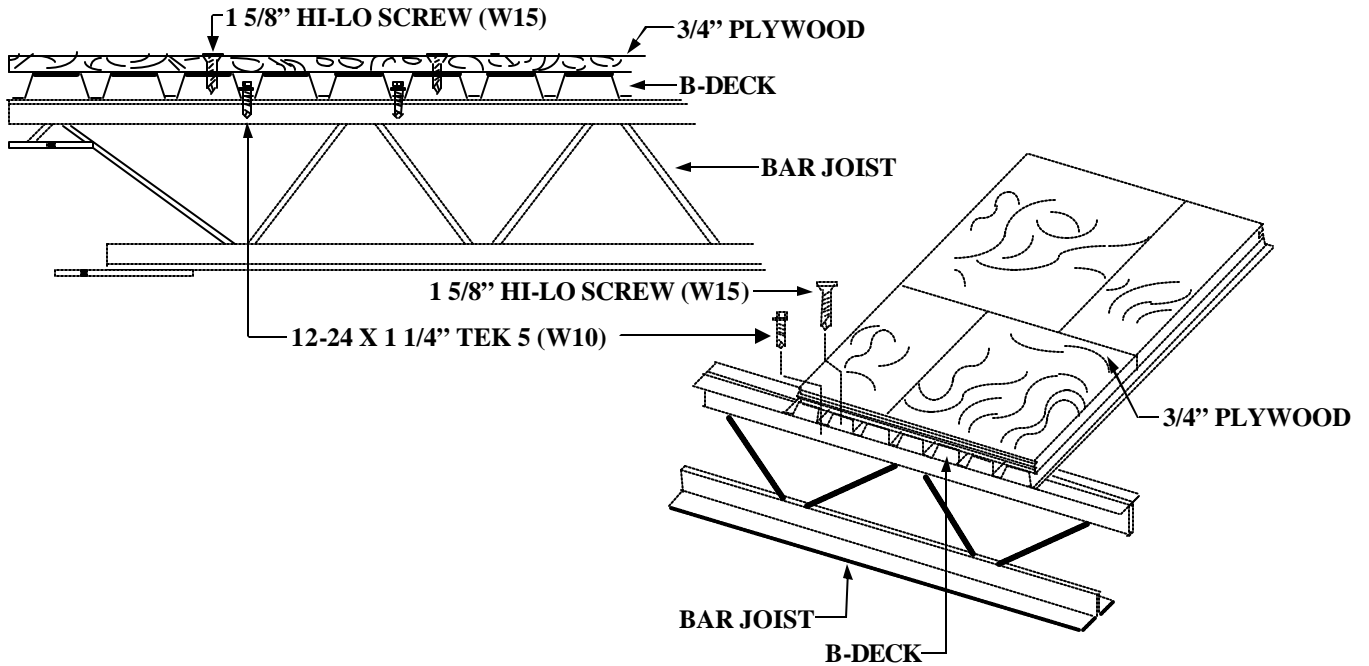




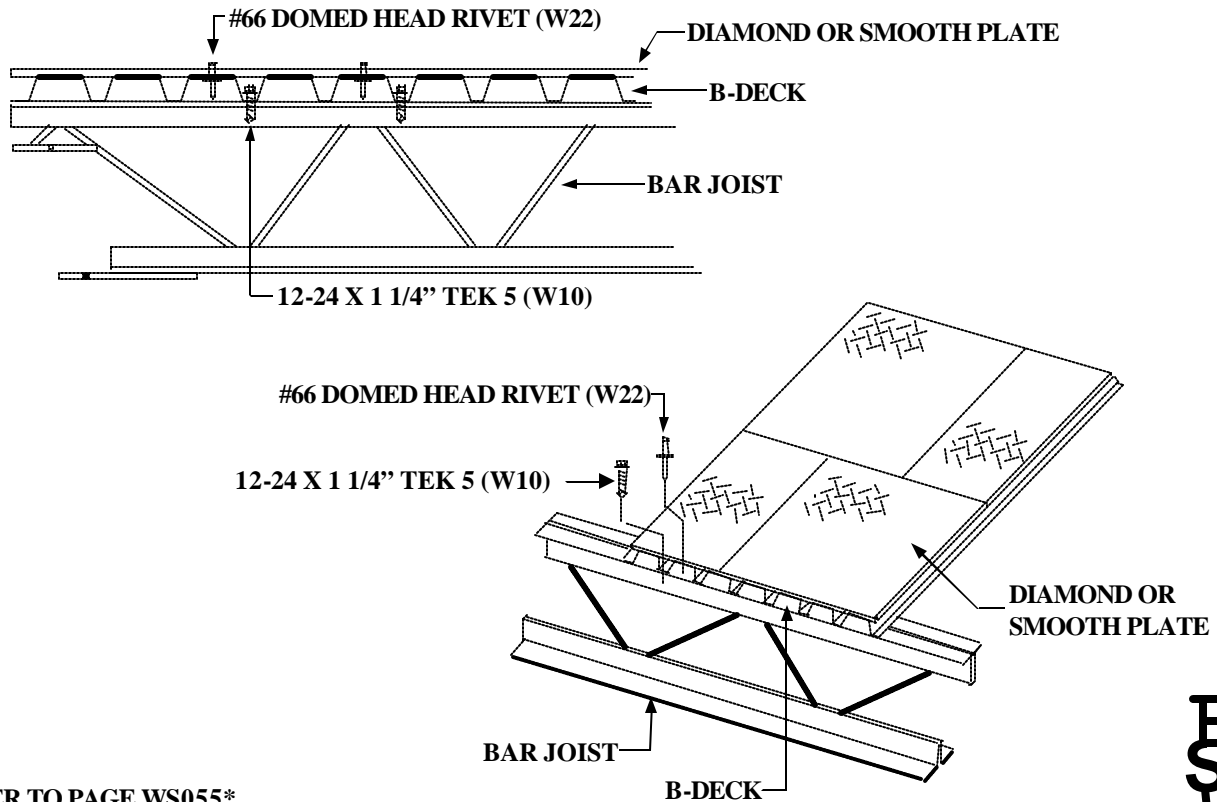
TYPICAL SIDE VIEW OF BAR JOIST



3/4" PLYWOOD OVER 1 1/2" CORRUGATED B-DECK



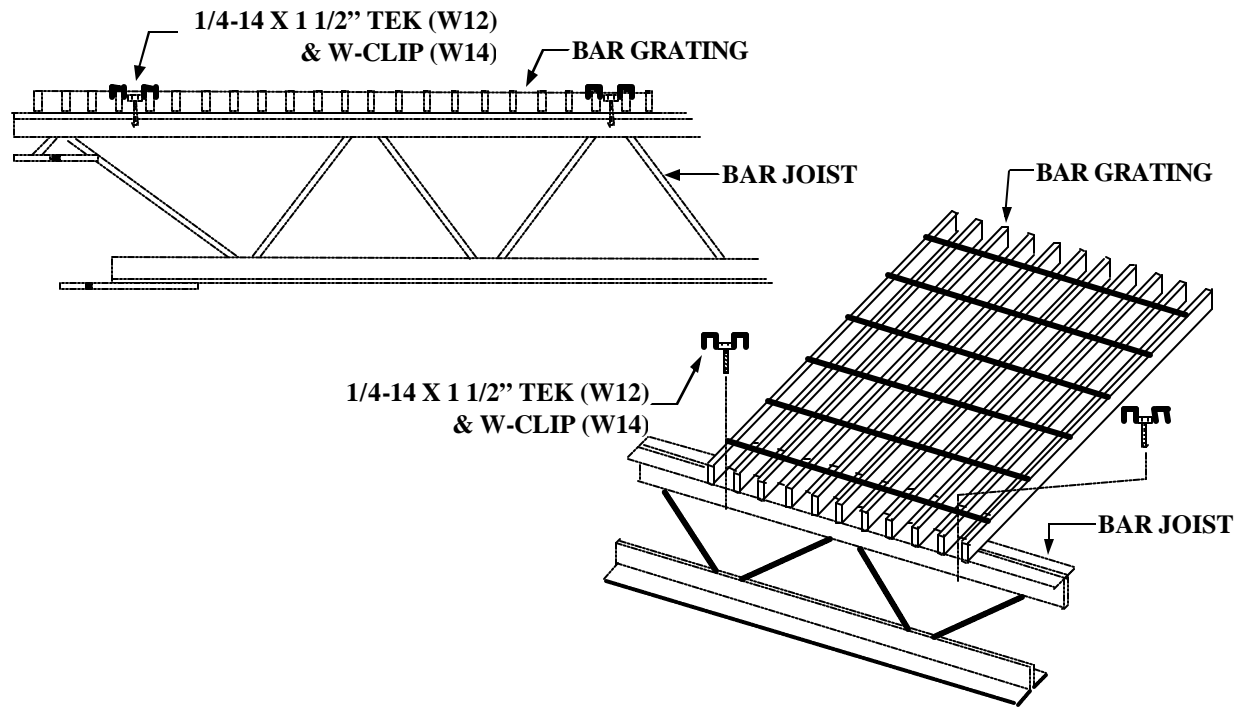
DIAMOND/SMOOTH PLATE OVER 1 1/2" CORRUGATED B-DECK



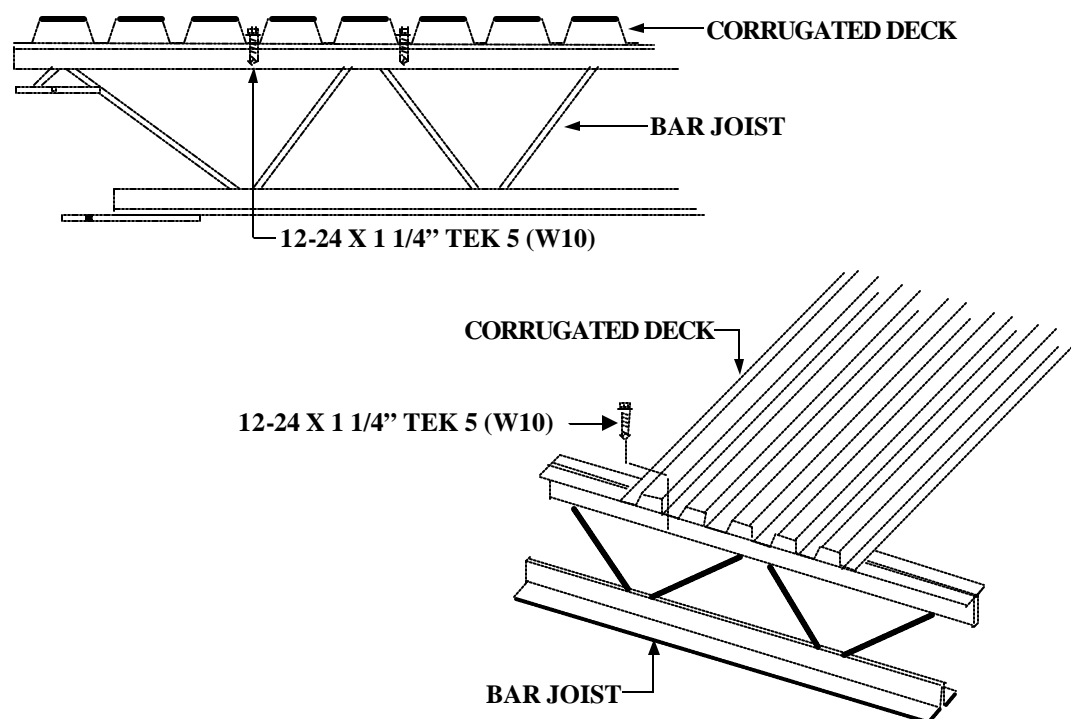
REFER TO PAGE WS055



BAR GRATING



**GALVANIZED CONCRETE READY CORRUGATED STEEL DECK
(under Concrete by others)**



REFER TO PAGE WS056



ResinDek® Installation Instructions

1. ResinDek® should be installed over corrugated metal B-decking or an existing mezzanine floor surface.

ResinDek is not intended for exterior applications.

RESINDEK PRODUCTS NOT INSTALLED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS WILL VOID ALL WARRANTIES.

2. ResinDek panels must be kept dry in transit, storage, during and after installation. Panels should be stored flat in a level position.

3. ResinDek Installation Process:

- Begin installation by setting a true line with a laser or transit less than 48" from one edge of mezzanine.
- Leave a 3/8" gap/space on outer edges of ResinDek, and leave 1/8" gap/space between ResinDek panels. Trim the last row of panels to allow for the 3/8" gap/space on outer edges of ResinDek perimeter.
- Attached to each unit of ResinDek is a package of 3 panel spacers. Insert metal spacers (2 along one long edge, 1 along a short edge) between all adjacent panels. **FAILURE TO USE METAL PANEL SPACERS MAY ALLOW FLOOR TO BUCKLE AND WILL VOID ALL WARRANTIES.**
- Attach panels to corrugated metal B-deck or other approved subflooring using a minimum of 20 fasteners per 4' x 8' sheet. (See **Figure A**)
For best results, use ResinDek screws furnished by FS Industries. Fasteners should be located a minimum of 1" from tongue and groove edges and from square edges. Remove panel spacers and insert between next panels.
- Be sure that panels are installed with the correct face on top. When correctly laid, the arrow on the square edge of the panel should point up and panels should have a space of a panel spacer's width around the perimeter of each ResinDek panel, and about 1/4" on the underside of the tongue and groove. The gap/space will always be larger on the underside.
- Stagger panels so that joints break on different ribs wherever possible.

4. ResinDek Pallet Load Recommendations (pallet jack and load)

- Do not exceed 2,000 lbs. live & dead load on ResinDek® LD.
- Do not exceed 3,000 lbs. live & dead load on ResinDek® MD.
- Do not exceed 4,500 lbs. live & dead load on ResinDek® HD.

Substructures must be capable of supporting the above loads. Failure of substructure may result in local failure of ResinDek. Use 20 gauge or heavier corrugated metal B-deck for substructure. 18 gauge is recommended for 2,500 lb. loads or greater.

5. ResinDek Cleaning & Maintenance

- If ResinDek with Clear Diamond Seal®, Gray Diamond Seal® or ESD finish has been installed, the surface is quite cleanable and durable. Unfinished ResinDek will clean up similar to other unfinished wood products.
- ResinDek with Clear Diamond Seal®, Gray Diamond Seal® or ESD finish can be easily cleaned using a damp mop and/or ordinary cleaning solvents. Do not use methylene chloride or paint thinners on ResinDek.
- Prolonged and extensive soaking, hosing down, or wetting of all ResinDek products must be avoided.



- ResinDek can be installed with the long direction parallel or perpendicular to the corrugate metal B-deck. All panel joints should break on ribs. 6" wide x 20 gauge minimum steel shims must be used when ResinDek breaks on a valley. (See **Figure B**)

- Fasteners must be long enough to penetrate both the ResinDek and the subfloor. Secure each panel with a minimum of four fasteners before installing the next panel. Use only screw guns with a nose clutch to countersink screw heads. **DRIVE FASTENERS SO THAT THE COUNTERSUNK HEAD IS JUST BELOW THE PANEL SURFACE.**

- ResinDek can be trimmed to size with ordinary power saws. Use carbide tipped blades for best results.
- 3/8" perimeter gaps/space can be hidden with toe strips or kick plates.

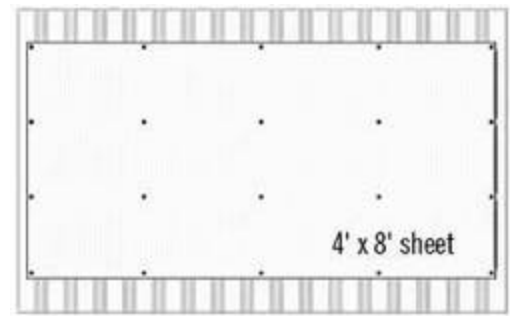


Figure A Fastener Pattern

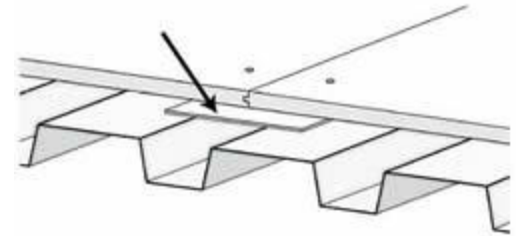
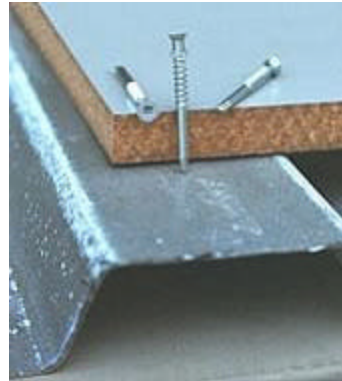
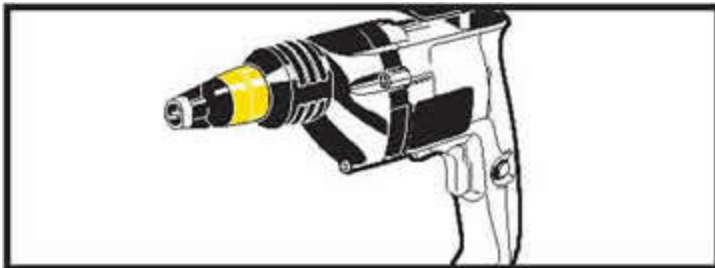


Figure B When ResinDek breaks on a valley use 6" wide 20 Ga. min. steel shims. Avoid using wood blocks, which may cause panel joints to become uneven.



WARNING: UNDER CONDITIONS OF EXTREME HUMIDITY, RESINDEK® MAY BE PRONE TO LINEAR EXPANSION.

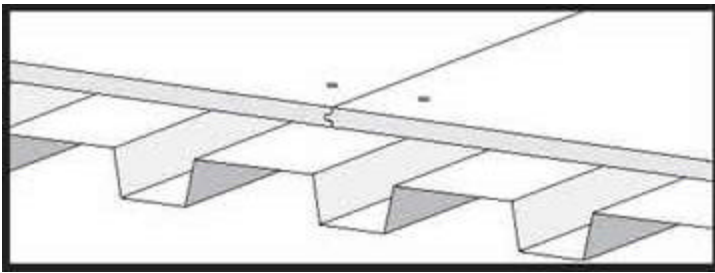
WARNING: Common installation mistakes that can void your 7-year warranty



Must use screw driver/gun with operable clutch for consistent screw depth setting. For best results, use stand-up screw gun.



Do not use screw driver/gun with no clutch or a broken clutch.



Panels must meet on high points (ribs) of corrugated B-Decking.



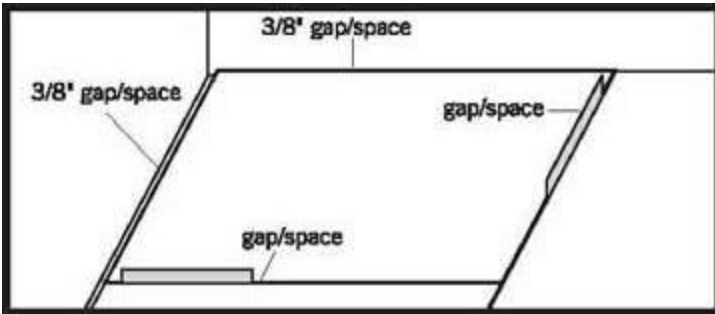
Do not place panel edges on top of corrugated B-Decking low points (valley).



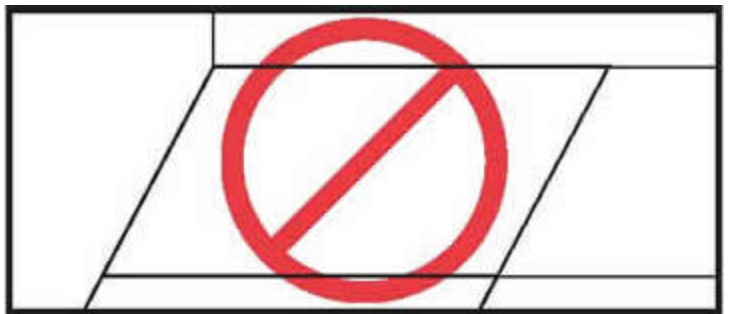
Approved screws must be placed just below the panel surface.



Do not place approved screws too high or too low in the panels.



Use pacers between panels for correct spacing. 3/8" space/gap on outer edges (perimeter).



Do not install panels without 3/8" gap/space on outer edges of panel and gap/space between panels.

FAILURE TO INSTALL RESINDEK AS INSTRUCTED WILL VOID ALL WARRANTIES

Customer: _____

Job number: _____

