

from

Rolling

Scaffold

sassembly

Strike the Post Shore Pin so the inner tube rests in the recess slots to relieve

Refer to OSHA regulations regarding appropriate f protection requirements while working on elevated decks under construction.

OSHA regulations require the use of guardrail systems and/or fall protection devices at all working levels, open sides, and at all other openings on platforms and work areas above certain heights, as specified by OSHA or locals codes. In all cases, where a user is exposed to a fall hazard, the use of guardrail systems or other appropriate personal fall protection devices must be utilized.

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Inverting

Post

Shore

Post Shores and

Accessories

At higher floor elevations it is easier to adjust the proplength if the post shore is inverted, positioning the Adjustment Screw closer to the ground floor.

U-Hec Shore

Head for Post

used on 3" tube to 2" t

nominal

3" to 1.9"

Swivel Clamps

Fall Protection

Placing

Panels from

Above

Erection

Notes

for

shoring pressure.

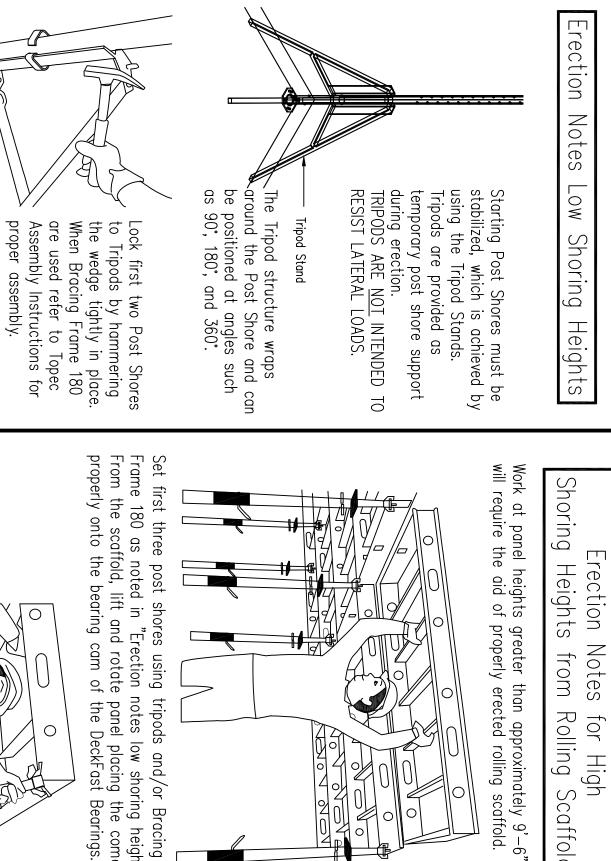
for

High

eckfa Applications

ALL SYMONS COMPONENTS AND ACCESSORIES ARE DESIGNED WITH SAFETY AND PERFORMANCE IN MIND. THE APPLICATION NOTES ON THIS SHEET WILL HELP YOU ACHIEVE A SAFE AND PRODUCTIVE FORMING OPERATION. IT IS RECOMMENDED THAT ALL CONSTRUCTION PERSONNEL THOROUGHLY FAMILIARIZE THEMSELVES AND COMPLY WITH THE APPLICABLE INDUSTRY STANDARDS AND SAFE PRACTICES ESTABLISHED BY "THE AMERICAN CONCRETE INSTITUTE, AMERICAN NATIONAL STANDARDS INSTITUTE, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, AND THE SCAFFOLDING AND SHORING INSTITUTE."

IMPORTANT:
ALL FORMING AND SHORING COMPONENTS MUST BE
INSPECTED REGULARLY FOR DAMAGE OR EXCESSIVE
WEAR. EQUIPMENT FOUND TO BE DAMAGED OR
EXCESSIVELY WORN MUST BE REPLACED IMMEDIATELY



Set first three post shores using tripods and/or Bracing Frame 180 as noted in "Erection notes low shoring heights". From the scaffold, lift and rotate panel placing the comers properly onto the bearing cam of the DeckFast Bearings.

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When hanging panels on the Deckfast Bearing, be sure the panel edge is captured by the Bearing Cams.

Prior to working on decks all posts must be adjusted evenly to insure proper bearing contact, deck must be laterally stabilized and proper means of fall protection installed. Prior to erecting further decks, the start panels should be secured to building structure to resist horizontal forces as panels are added from start point. While continuing to support the DeckFast panel, guide the next post shore into position at the remaining unsupported corner.

Be sure that posts vare held in position removed.

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l during stripping e swung down and

are

The start panels should be secured to building structure to resist horizontal forces as panels are added from start point. Also all props must be adjusted evenly in small increments and plumb to insure correct bearing

Prior to working on decks all posts must be adjusted evenly to insure proper bearing contact, deck must be laterally stabilized and proper means of fall protection installed.

Be sure the Erection Rod is in place during posting. Position the Post Shore into place at unsupported edges and then remove the Erection Rod so the Post Shores support panel weight.

ALL CANTILEVERED PANELS MUST BE TIED DOWN AND CHECKED PRIOR TO ANYONE WALKING ON CANTILEVERED SURFACE!

When pouring slab, load span before cantilevered

interior span.

ien pouring slab, load an before cantilevered

interior

FIG.

FIG.

Panels may be cantilevered a maximum of 29" a work deck outside of building pour.

to

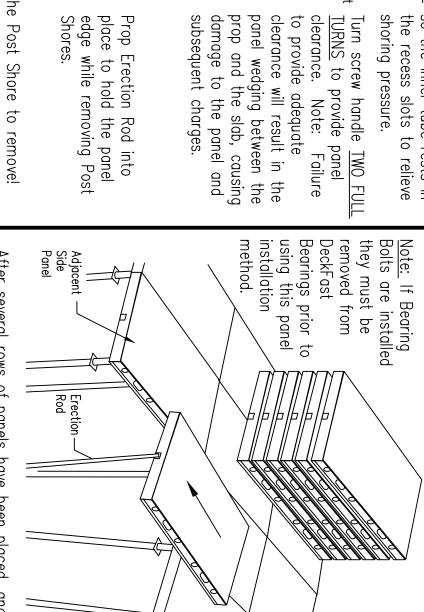
provide

See DeckFast Application Guide for recommended assembly procedure for cantilevered applications.

Cantilevered

Panels

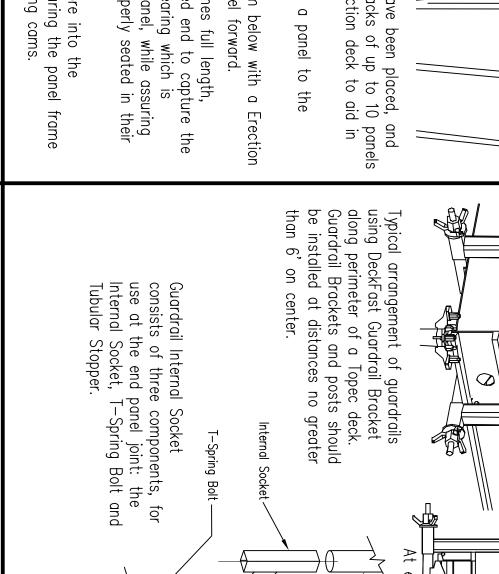
Do not strik This is an u Post Shore. strike the base of an unsafe practice the Post Shore and will cause c e to remove! damage to the



er several rows of panels have been placed, a deck is laterally stable, stacks of up to 10 y be placed on the construction deck to aid ter deck assembly.

supporting the panel from below with a continue to slide the panel forward.

frame



Head Support Sleeve

0,

M12x30 nut and bo or ½"-13 nut and 1½" long bolt. (4 required each)

Prop

Placement

2 3/8" to Timber
Used on 2 1/2" nominal tube to Timber Bracing

3" to Timber
Used on 3" nominal
tube to Timber Bracing

limber

Bracing

Clamp

Typical arrangement of guardrails DeckFast Guardrail Bearing along perimeter of a Topec deck.

O

The Guardrail Bracket attach to either edge

edge

is designed of the

designed

ţ

Toe Board Clips are slipp Guardrail Post before it i the Guardrail Bracket or

e slipped onto the ore it is fitted into either tet or DeckFast Guardrail

Check with your local Symons branch for availability.

3"ø tube Post Base

length.

2½"ø tube Post Extension

frame to 2"

tube.

T-Spring Bolt

2.38"

" to 1.9" I on SAFLOAD le vertical tube

Post Shore 350DB

frame

tube to 2"

1.9

Used

to 1.9" d on SAFLOAD ne horizontal

AS550

Clip

This can be accomplished with the Head Support Sleeve which adds 155%" to

Sleeve which adds 15% the overall Post Shore

Bearing.

Start installing panel by sliding a panel to the exposed frame corners.

As the cantilevered panel reaches full length, support and lift the cantilevered end to capture the previously installed Deckfast Bearing which is supporting the adjacent side panel, while assuring the rear panel corners are properly seated in their Topec Bearing Cams.

Guide the last corner post shore into the unsupported panel corner, assuring the poseats properly within the bearing cams.



If uplift is expected in windy areas, panels must be held down. Either place steel reinforcing or other equivalent material loads upon the panels, or install Bearing Bolts. Bearing Bolts must be installed into DeckFast Bearings first before post shore can be used to hold panels.

DeckFast Bearing and used to support 4x4 lumber and a 3/4" plywood infill section.

With the aluminum Adjustment Beam with integrated wood nailing strip. The aluminum Adjustment Beam is positioned on the DeckFast Bearing and directly supports 3/4" plywood infill section.

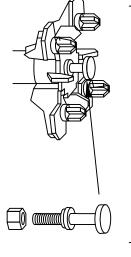
Two ways to Adapt DeckFast are:

♦ With the Head Support Shoe, which i
DeckFast Bearing and used to support

n is placed on the rt 4x4 lumber and

Fill-In

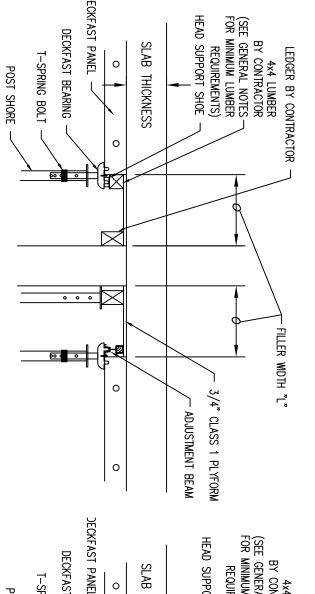
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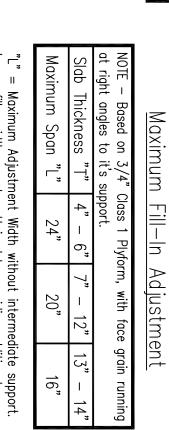


Note: Once Bearing Bolts are in place you can no longer place panels in place from an overhead position. Panels must be rotated into place using an underneath method.

Lateral

Bracing





supported under ONLY as shown!

DeckFast Bearing

Cantilevered Panels

els <u>MUST</u> be side rails

<u>NEVER</u> angled

support panels at end rails as shown

AS Post Shore Sleeve (Required to reduce play between Bearing and Post Shore)

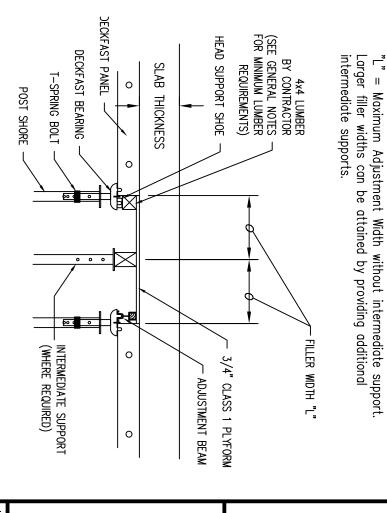
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Shore

Sleeve

AS.

) SC



Prop/Panel

Retainer

AS 550 Post Shore

-Spring

All AS 550 Post Shores require an AS Post Shore Sleeve at every

External Lateral Bracing

at Steps

2. PLYWOOD DESIGN IS BASED ON 3/4" B-B CLASS 1 PLYFORM IN THE AMERICAN PLYWOOD ASSOCIATION'S TECHNICAL DATA HANDBOOK. PLYWOOD FACE GRAIN MUST RUN AT RIGHT ANGLES TO SUPPORTS.

3. THE CANTILEVERED WORK DECK IS DESIGNED TO CARRY 25 LBS. PER SQUARE FOOT LIVE LOAD ONLY. DO NOT PLACE MATERIALS IN THESE AREAS. WHEN CANTILEVERING PANELS, PRECAUTIONS SUCH AS ANCHORING TO THE SLAB/GRADE WILL NEED TO BE TAKEN.

Lateral Bracing is also Required at Step Bottom of Slab. Bracing can be Constructed with Tube of Bracing Frame 180s, or Lumber Bracing Tube and Clamp, Bracing methods.

Along

Walls

and Columns

<u>Fillers Between DeckFast Panels</u>

AND SAFETY SHEETS FOR ADDITIONAL IMPORTANT I GENERAL NOTES AND LOCAL BRANCH CONTACT INF

IMPORTANT INFORMATION, INCLUDING

ORMATION

Used to prevent posts from movement when posts are placed along rails instead of at corners.

Prop/Panel Retainer on both sides of bearing.

Fb = 1000 psi F_v = 95 psi F = 625 psi E = 1,700,000 psi 6. CONSULT LATERAL OF

ROLLING CARTS) /
BRACING AND/OR
HEAVY ROLLING L
HIGH CONCENTRAT
BUGGIES AND ROL
ALLOWED TO BE (ISULT SYMONS ENGINEERING IF ANY EXTERNAL AL OR VERTICAL LOADS (SUCH AS THOSE FROM NG CARTS) ARE ANTICIPATED. ADDITIONAL NG AND/OR SUPPORTS MAY BE REQUIRED. ADDITIONAL OF ROLLING LOADS OR PRODUCTS THAT CREATE CONCENTRATED LOADS (SUCH AS CONCRETE SAND ROLLING FALL PROTECTION) ARE NOT VED TO BE USED WITH TOPEC.

7. DO NOT ATTEMPT TO USE DeckFast ON APPLICATIONS THAT SLOPE WITHOUT ADDITIONAL BRACING AND INSTRUCTIONS FROM SYMONS ENGINEERING.

1. ALL 4x4 LUMBER MEMBERS (TO BE SUPPLIED BY THE CONTRACTOR) UTILIZED WITH THE DeckFast HEAD SUPPORT SHOE AS PART OF A FORMWORK FILL-IN AREA ARE BASED ON ANSI/AF AND PA NDS - 1997 RECOMMENDATIONS FOR VISUALLY GRADED DOUGLAS FIR LARCH NO. 1 OR BETTER WITH A MAXIMUM MOISTURE CONTENT OF 19%.

UNADJUSTED VALUES:

EXTREME FIBER STRESS IN BENDING - Fb = 1000 psi HORIZONTAL SHEAR - Fv = 95 psi BEARING PERPENDICULAR TO GRAIN - F = 625 psi MODULUS of ELASTICITY - E = 1,700,000 psi

DeckFast panels $\underline{\text{MUSI}}$ be laterally locked in both directions by the building structure, against walls or columns, otherwise bracing must be provided.

DIRECTION OF CENTER RAIL OF 180X180 PANEL

90×180

90x180

180

90x180

90x180

90x180

90x180

180×180

180×180

<u>180x180</u>

180x180

DIRECTION OF REQUIRED LATERAL BRACING

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NOTE — In these conditions, external lateral restraint is required to ensure that the post shore does not fall over.

Tie Down Hook only

р

It may also be used with Symons supplied handle.
See Fig. 2 Above

supplied cable or chain see Fig. 1. It may also be

Hook (shown) is used to connect Contractor

Down

Detail

Panel

 \exists

The

Tie Down

Edge Bearing Bracing Requirements

Be sure the Post Shore Pin ifully engaged to ensure the inner tube is <u>NOT</u> resting in the pin's recess slots.

s.

Anchor to slab by Contractor.
Minimum ultimate capacity of 1500 pounds per anchor.

-Sill By Contractor

All panels tied down

that cantilever beyond to prevent the panel fr

the from

endpost, i overturnin

must be

Tie Down Ho replaced with with system

Ħ

Hook and Handle can be ith Tie Down Hook and tied n provided by the Contractor.

DECKFAST DEVELOPS LATERAL STABILITY BY THE DIAPHRAGM ACTION OF THE PANELS BRACED TO THE EXISTING STRUCTURE. THE CONTRACTOR MUST ENSURE THE SYSTEM IS ADEQUATELY BRACED PRIOR TO ALLOWING WORKERS ON TOP OF THE DECK. ONCE THE PANEL DIAPHRAGM IS LOCKED IN, THE POST SHORES DO NOT TYPICALLY REQUIRE EXTERNAL BRACING. CONSULT APPLICATION DRAWINGS FOR ADDITIONAL INFORMATION.

Recess Slot in Post Shore Pin

Tie Down location. — See Panel Tie Down detail below.

Lateral Bracing here eliminates need for Prop/Panel Retainers.

Tie Down Frar

Locate tie down at f hole outboard of inte support as shown. See Panel Tie Down detail below.

·····/·· |

& <u>≒</u> B Down Handle

See Prop/P detail.

Tie Down

Hook

EDGE BEARING RESTRICTS LATERAL MOVEMENT IN BOTH DIRECTIONS

EDGE BEARING RESTRICTS LATERAL MOVEMENT IN ONE DIRECTION ONLY (ADDITIONAL BRACING REQUIRED)

DIRECTION OF CENTER RAIL OF 180X180 PANEL

DECKFAST / TOPEC SPE CIFIC GENERAL NOTES

4. THE CONTRACT
CANTILEVERED P
RESTRAINED TO 5. DeckFast PANELS REQUIRE AN APPLICATION OF A QUALITY FORM RELEASE AGENT PRIOR TO EACH POUR TO INSURE A CLEAN RELEASE. FAILURE TO DO SO WILL LIKELY DAMAGE THE PANEL DURING THE STRIPPING PROCESS. LTOR MUST ENSURE THAT AL PANELS ARE TIED DOWN OR PREVENT OVERTURNING.

9. THE CONTRACTOR MUST PROVIDE ANCHORAGE TO PREVENT THE VERTICAL DISPLACEMENT OF THE DeckFast PANELS WHEREVER THE POSSIBILITY OF WIND UPLIFT EXISTS. 8. IT IS IMPORTANT TO BEGIN ERECTING PANELS AT THE INDICATED START POINT/S. THE ERECTION CONFIGURATION IS DESIGNED FOR ADEQUATE BRACING FROM THIS POINT. IT IS VERY DIFFICULT TO CORRECT AN AREA OF LOCKED PANELS IF IMPROPERLY LOCATED. THE BILL OF MATERIALS COUNT IS ALSO DESIGNED FROM THIS POINT.

JOB 0R OCATION **DECKFAST SAFETY APPLICATIONS**

2400 ARTHUR AVENUE ELK GROVE VILLAGE, IL 60007 PHONE (800) 800-7652 Website: www.DaytonSuperior.com SY DAYTON SUPERIOR

10. CONTRACTOR TO ENSURE THAT THEY UNDERSTAND ALL ISSUES OUTLINED IN THE SYMONS "DECKFAST CHECK LIST", WHICH ADDRESSES SPECIFIC ERECTION ISSUES, PRIOR TO THE START OF ERECTION.