DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

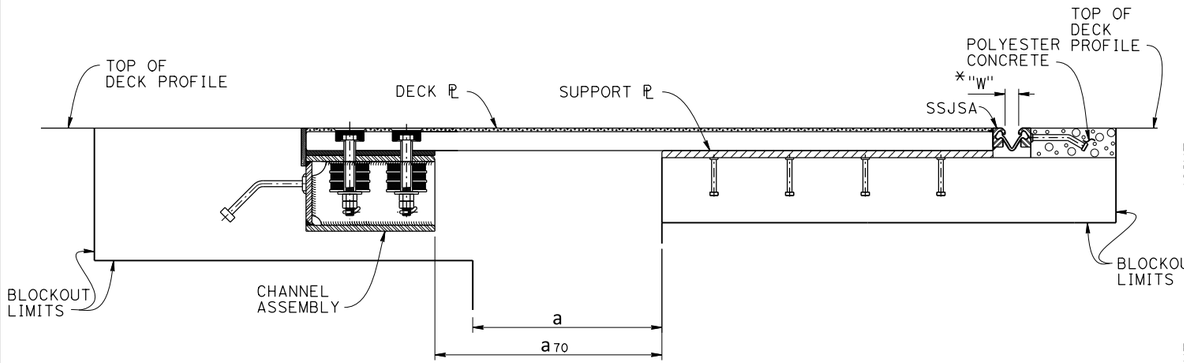
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. Exp. CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.

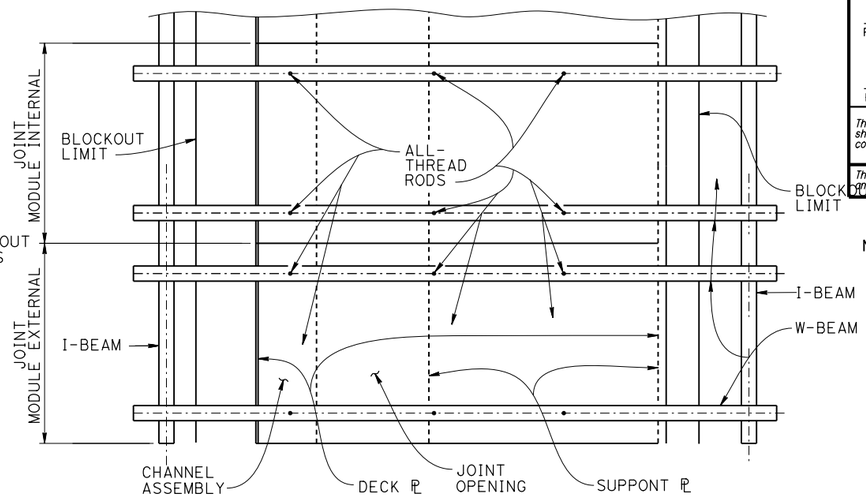


INSTALLATION DETAIL

3" = 1'-0"

* TO SET MINIMUM JOINT OPENING "W"

"W" = { ½"+[(Max Str temperature in °F) -(actual Str temperature in °F)]*(a_C or a_S)(12)(contributory L in feet)
½" Minimum
a_C = 0.0000060 (Concrete)
a_S = 0.0000065 (Steel) }

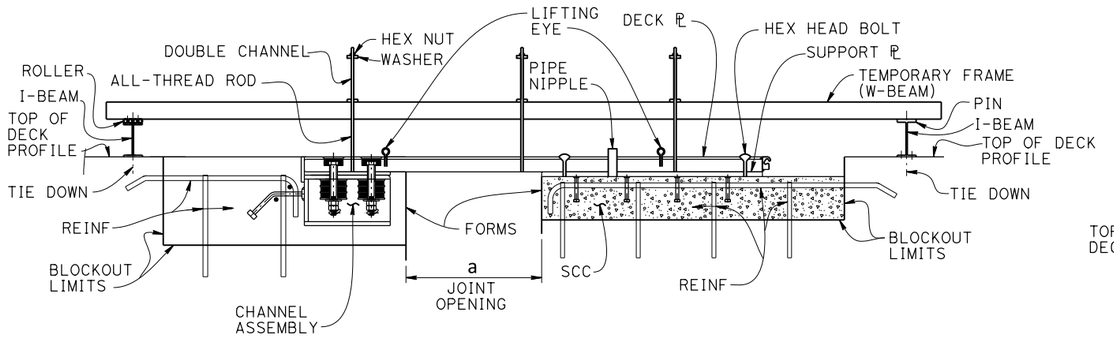


PARTIAL PLAN

NO SCALE

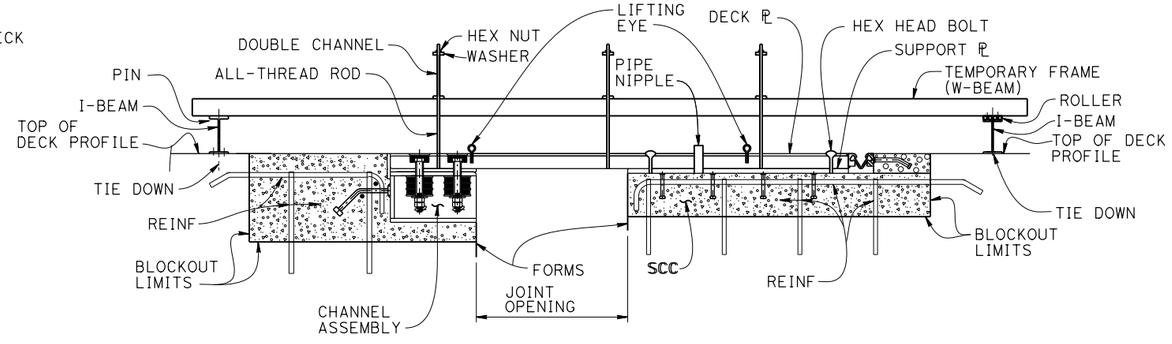
NOTES:

1. Not all reinforcement and joint details are shown for clarity.
2. Pipe nipples are optional. Exact pipe nipple hole sizes and locations at deck and support plates must be determined prior to seismic joint fabrication.
3. After joint installation fill all deck plate holes with silicone joint seal and pipe nipple holes, if used, with threaded steel plugs.
4. Place deck plate, support plate, and channel assembly so that full bearing is achieved between I) deck, support plate and II) deck plate and channel assembly.
5. **a** is the joint opening at installation and a_{70} is the joint opening at 70° F.



PHASE 1 (ELEVATION)

NO SCALE



PHASE 2 (ELEVATION)

NO SCALE

CONSTRUCTION SEQUENCE:

1. Clean joint blockout, place forms and reinforcement.
2. Set joint modules into place so the face of the joint opening (sliding side) is aligned with the support plate. Support joint modules temporarily on timber to correct position ±½" below final elevation. Each joint module consists of the channel assembly, and the deck and support plates clamped together at the shop with joint opening equal to a_{70} and shipped to the site.
3. Install temporary steel frame, with roller on channel assembly side and pin on support plate side.
4. Set all-thread rods to support and adjust joint modules.
5. Align and secure all joint modules together to correct position, remove temporary timber supports.
6. Pour SCC below support plates. Let SCC develop a minimum 1500 psi strength before proceeding to the next step.

CONSTRUCTION SEQUENCE:

1. Change the pin support of the temporary frame to roller. Release deck plate from support plate. Slide deck plate and channel assembly together so the face of the joint opening (channel assembly side) is aligned with the channel assembly. Change the roller support of the temporary frame to pin (channel assembly side). Secure all joint modules together to final position.
2. Pour SCC around the channel assembly. Let SCC develop a minimum 1500 psi strength before proceeding to the next step.
3. Release joint and remove temporary steel frame.
4. Remove pipes, bolts, forms and clean surfaces.
5. Place SSJSA to the correct minimum joint opening "W". Place polyester concrete between the SSJSA and the bridge deck.
6. If pipe nipples used, plug pipe nipple holes with threaded steel plugs; fill deck holes and joint with silicone joint seal.

BRIDGE STANDARD DETAILS

xs8-080-8	July 2016	The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California
FILE NO.	APPROVAL DATE	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.

POST MILE

SEISMIC JOINT (TYPE I, HALF CHANNEL)
CONSTRUCTION SEQUENCE

Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

FILE => xs8-080-8.dgn
USERNAME => s136236 TIME PLOTTED => 15:15 DATE PLOTTED => 14-JUL-2016

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT:
PROJECT NUMBER & PHASE: CONTRACT NO.:

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-23-15	7-11-16			8	9