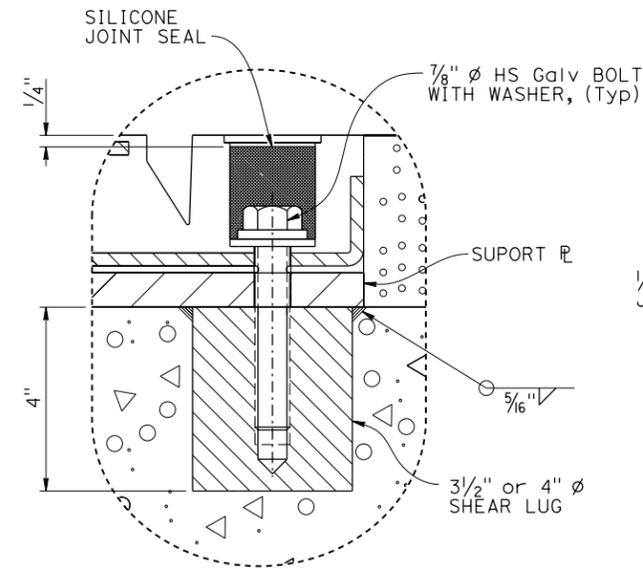


**NOTES:**

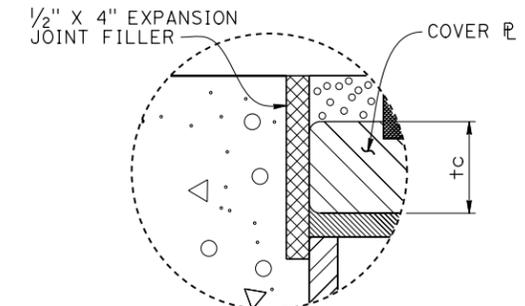
1. Use cover plate for channel assembly access.
2. The Reinforced Molded Rubber Expansion Joint (RMREJ) shall have a minimum movement rating greater than 4 inches manufactured specifically for highway bridges.
3. Apply a minimum of 1" polyester concrete overlay to deck plate at the shop.
4. Pin must be made from HS A325 bolt. Pin and/or HS bolt size may change per RMREJ supplier recommendations. Galvanized pin thread must match RMREJ steel plate threads. Pins and bolts are provided by the RMREJ supplier and must fit to RMREJ holes. Apply anaerobic thread locking system to threads.
5. Self-consolidating concrete shall be used in joint breakout.
6. Top of polyester overlay and SCC concrete must match top of deck profile.
7. For deck plate details see "DECK PLATE DETAILS No. 1" and "DECK PLATE DETAILS No. 2" sheets for TYPE II joint.
8. For mild reinforcement in breakout areas, see "REINFORCEMENT DETAILS" sheet for TYPE II joint. Not all mild reinforcement is shown for clarity.
9. For channel assembly details, see "CHANNEL ASSEMBLY DETAILS No. 1" and "CHANNEL ASSEMBLY DETAILS No. 2" for TYPE II joint.
10. For support plate details see "SUPPORT PLATE DETAILS" sheet for TYPE II joint.
11. For construction sequence see "CONSTRUCTION SEQUENCE" sheet for TYPE II joint.

**JOINT INFORMATION (NON-SEISMIC MR > 4")**

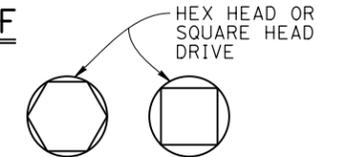
| LOCATION                      |                        |     |     |     |     |
|-------------------------------|------------------------|-----|-----|-----|-----|
| SKEW (°)                      |                        |     |     |     |     |
| DECK PLATE                    | Thickness Td (in)      |     |     |     |     |
|                               | Length Ld (in)         |     |     |     |     |
| SUPPORT PLATE                 | Thickness Ts (in)      | 3/4 | 3/4 | 3/4 | 3/4 |
|                               | Length Ls (in)         |     |     |     |     |
| COVER PLATE                   | Thickness Tc (in)      |     |     |     |     |
|                               | Length Lc (in)         | 19  | 19  | 19  | 19  |
| RMREJ                         | Tr (in)                |     |     |     |     |
|                               | Length at rest Lr (in) |     |     |     |     |
|                               | MR (in)                |     |     |     |     |
| JOINT OPENING @ 70 °F         | a70 (in)               |     |     |     |     |
|                               | B1 (in)                |     |     |     |     |
| BLOCKOUT                      | B2 (in)                |     |     |     |     |
|                               | D1 (in)                |     |     |     |     |
|                               | D2 (in)                |     |     |     |     |
|                               | (in)/(in)              |     |     |     |     |
| TEMP. DROP/RISE               | (in)/(in)              |     |     |     |     |
| SEE (SEISMIC) CLOSING/OPENING | (in)/(in)              |     |     |     |     |
| CREEP & SHRINKAGE             | (in)                   |     |     |     |     |



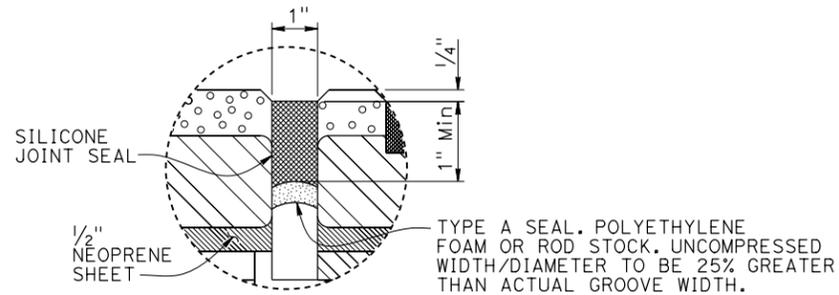
**DETAIL E**  
6" = 1'-0"



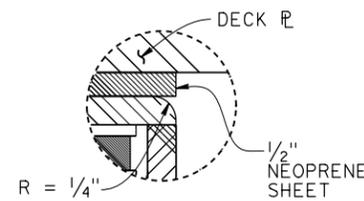
**DETAIL F**  
6" = 1'-0"



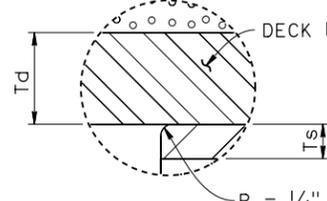
**PIN DETAIL**  
1' = 1'



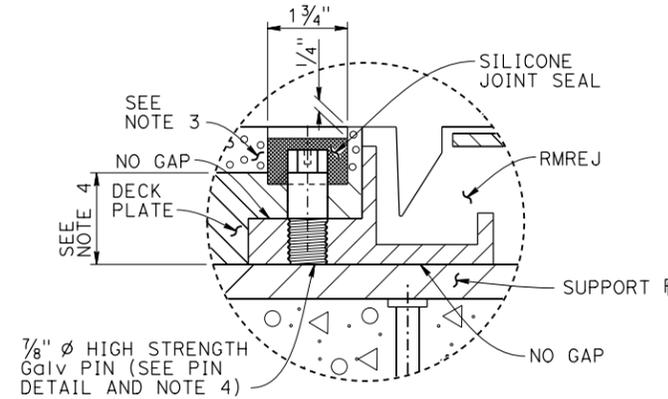
**DETAIL A**  
6" = 1'-0"



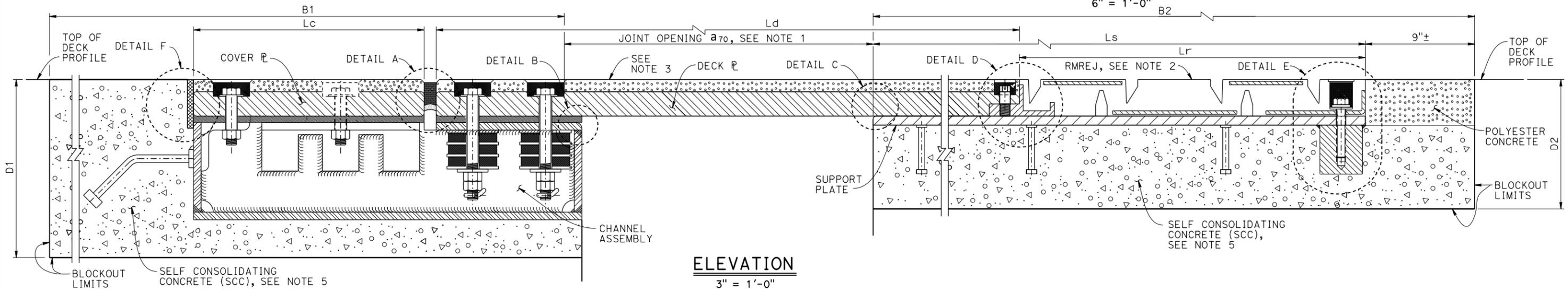
**DETAIL B**  
6" = 1'-0"



**DETAIL C**  
6" = 1'-0"



**DETAIL D**  
6" = 1'-0"



**ELEVATION**  
3" = 1'-0"

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

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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.

|   |                            |   |                                  |                                  |  |
|---|----------------------------|---|----------------------------------|----------------------------------|--|
| <b>BRIDGE STANDARD DETAILS</b>  |                            | STATE OF CALIFORNIA<br>DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES | BRIDGE NO.                       | <b>SEISMIC JOINT (TYPE II, FULL CHANNEL)</b><br><b>TYPICAL CROSS SECTION</b> |
| xs8-090-1<br>FILE NO.   | July 2016<br>APPROVAL DATE |   |                                  | POST MILE                        |  |
| Refer to: <a href="http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html">http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html</a> |                            | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS          | UNIT: PROJECT NUMBER & PHASE:    | CONTRACT NO.:                    | DISREGARD PRINTS BEARING EARLIER REVISION DATES                              |
| FILE => xs8-090-1.dgn<br>USER NAME => s136236   | TIME PLOTTED => 15:16      | DATE PLOTTED => 14-JUL-2016                         | SHEET 1 OF 9                     | REVISION DATES: 02-16-16 7-11-16 | OF 9   |