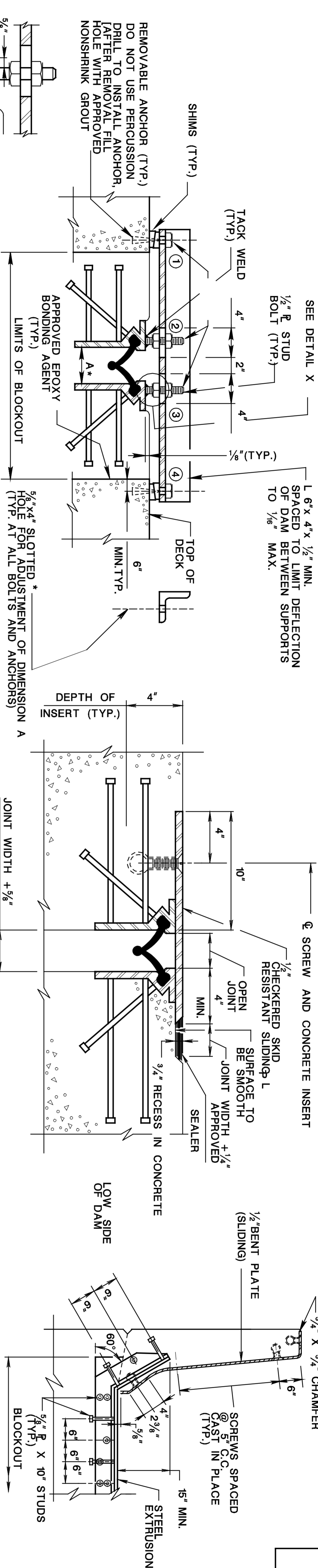


STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N. J.			
STRUCTURE NO.			



CONCEPTUAL SKETCH **

JOINT INSTALLATION SCHEME

(SEE NOTES BELOW)

JOINT INSTALLATION NOTES:

- * TO BE ADJUSTED FOR INSTALLATION TEMPERATURE FOR SPECIFIC MOVEMENT CLASSIFICATION.
 - ** CONTRACTOR MAY USE ALTERNATE SCHEMES.
 - *** DURING ASSEMBLY INSTALLATION TIGHTEN
 - BOLT ① AND BOTH NUTS ON STUD BOLTS ②AND ③ MAKING SURE DIMENSION A REFLECTS THE INSTALLATION TEMPERATURE.
 - DO NOT TIGHTEN BOLT ④
 - IMMEDIATELY AFTER BLOCKOUT IS CAST, LOOSEN BOTTOM NUT ON STUD BOLT ③ TO PERMIT TEMPERATURE MOVEMENT IN THE ASSEMBLY ON ONE SIDE OF JOINT.
 - PROVIDE LOW FRICTION INTERFACE BETWEEN BOLT HEADS AND ANGLE AND TOP NUTS ON STUD BOLTS AND ANGLE.
 - ALTERNATE THIS PATTERN BETWEEN NEAR SIDE AND FAR SIDE OF JOINT ON SUCCESSIVE ASSEMBLIES, I.E. TIGHTEN BOLT ④ AND NUTS ON STUD BOLTS ② AND ③ AFTER A IS SET FOR INSTALLATION TEMPERATURE. DO NOT TIGHTEN BOLT ①, LOOSEN BOTTOM NUT ON STUD BOLT ② IMMEDIATELY AFTER BLOCKOUT IS CAST.
 - 1. THE SURFACE OF THE BLOCKOUT MUST BE COMPLETELY CLEAN WHEN THE JOINT IS INSTALLED.
 - 2. THE EXPANSION JOINT DEVICE MUST BE SUSPENDED IN THE BLOCKOUT WITH THE JOINT LINE AND WITH RESPECT TO THE TEMPERATURE AS SHOWN ON THE PLANS.
 - 3. AFTER THE CONCRETE OF THE BLOCKOUT ACHIEVES PRESTRESSING TEMPERATURE REMOVE THE TEMPORARY SUPPORT ASSEMBLY AND GRIND OFF TACK WELD UNTIL SMOOTH.
 - 4. TREAT DAMAGED STEEL ACCORDING TO THE STANDARD SPECIFICATIONS.
- STRIP SEAL INSTALLATION NOTES
1. THE FRAME RAILS SHALL BE CLEANED THOROUGHLY AND SEAL CHANNELS SHALL BE INSPECTED TO ASCERTAIN THE ABSENCE OF CONCRETE AND DEBRIS. THE SEAL CHANNEL SHALL ALSO BE INSPECTED AT ALL FIELD SPLICES, AND ALL WELD SPLATTER AND/OR SHARP EDGES SHALL BE REMOVED.
 2. LIBERALLY COAT THE STRIP SEAL LUGS WITH LUBRICANT ADHESIVE. COAT ONLY 3'-0" TO 4'-0" PRECEDING THE INSTALLATION.
 3. COLLAPSE THE STRIP SEAL INTO THE THE JOINT OPENING UNTIL THE LUG IS ALIGNED WITH THE FRAME RAIL CHANNEL. (SEE FIGURE 1)
 4. PUSH THE LUG INTO THE CHANNEL AND THEN USE A BENT BAR TO FORCE THE LUG INTO THE CHANNEL (MAKE SURE THAT THE BAR IS DULL TO PREVENT PUNCTURING OF THE SEAL) (SEE FIGURE 2)
 5. AFTER THE SEAL LOCKS INTO PLACE, PUSH THE TOP OF THE LUG AGAINST THE FRAME RAIL TO INSURE PROPER SEATING. (SEE FIGURE 3)
 6. AS THE WORK PROGRESSES DOWN THE LENGTH OF THE JOINT, WORK BOTH SIDES OF THE STRIP SEAL INTO THE RAIL CHANNEL.

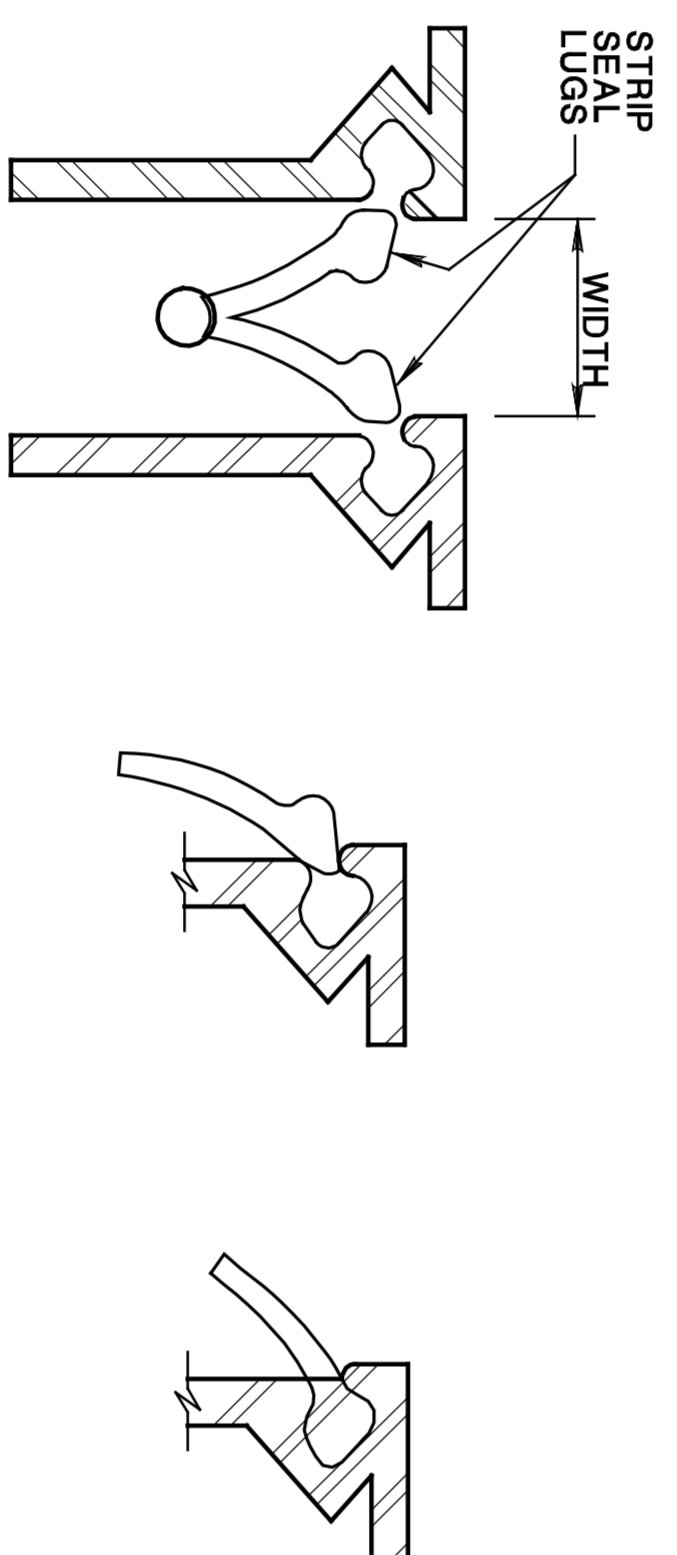


FIGURE 1

FIGURE 2


FIGURE 3

STRIP SEAL INSTALLATION PROCEDURE

NOTE:
SPACING OF THE SCREWS IS THE SAME FOR THE ALTERNATE BARRIER STEEL EXTRUSION IS SHOWN FOR 90° SKEW. DETAIL STEEL EXTRUSION AS REQUIRED FOR SKEWS LESS THAN 90°.

SECTION AT BARRIER

CONTROL SECTION		JOB NO.
DES.	BY	CHK.
DWN.	BY	
EST.	BY	CHK.
SPECS.	BY	
IN CHARGE OF		



STANDARD DRAWING PLATE 2.7-5

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

STRIP SEAL EXPANSION JOINT ASSEMBLY
FOR PRESTRESSED CONCRETE
& STEEL BEAM BRIDGES

ROUTE : SECTION : MUNICIPALITY COUNTY

SCALE : NONE
BRIDGE SHEET NO. OF

