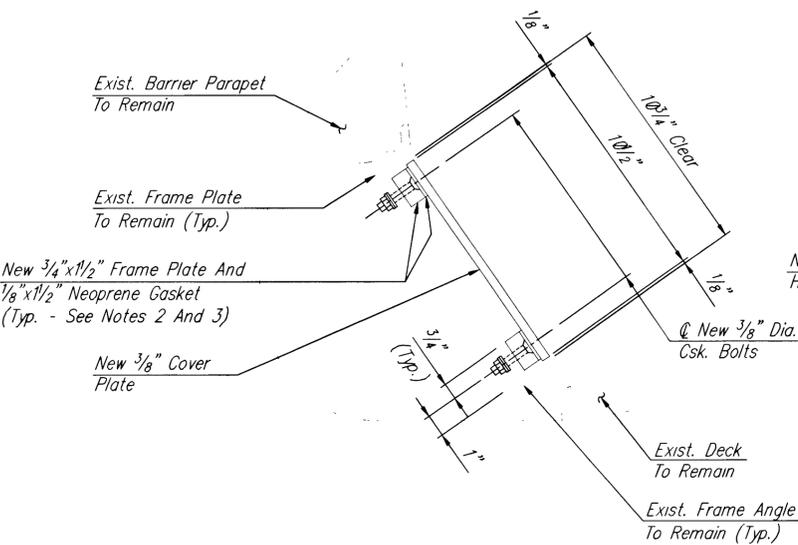
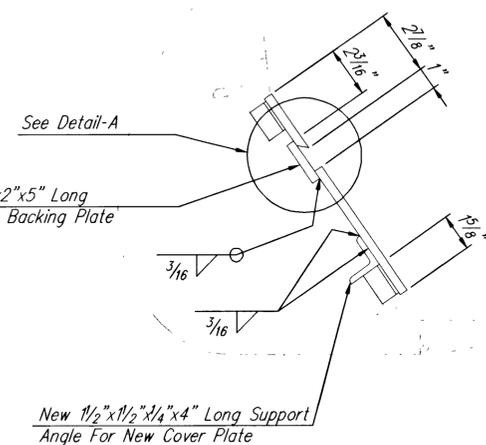


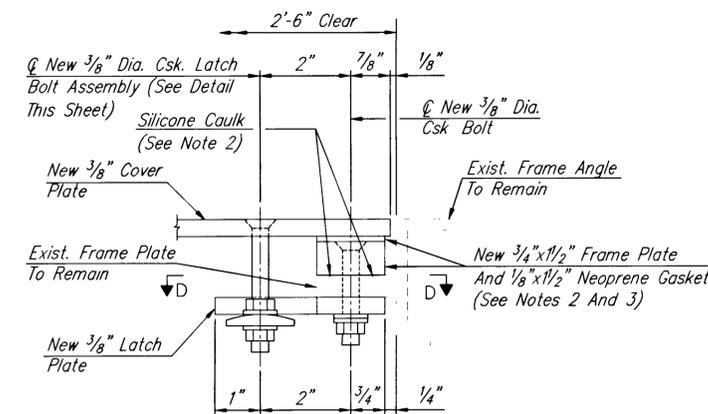
DETAIL - FRAME AND COVER RETROFIT FOR EXISTING TYPE-D JUNCTION BOX
3" = 1'-0"



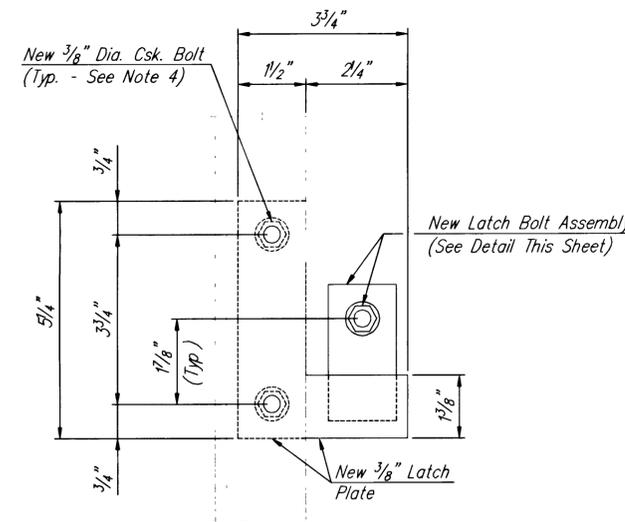
SECTION A-A
3" = 1'-0"



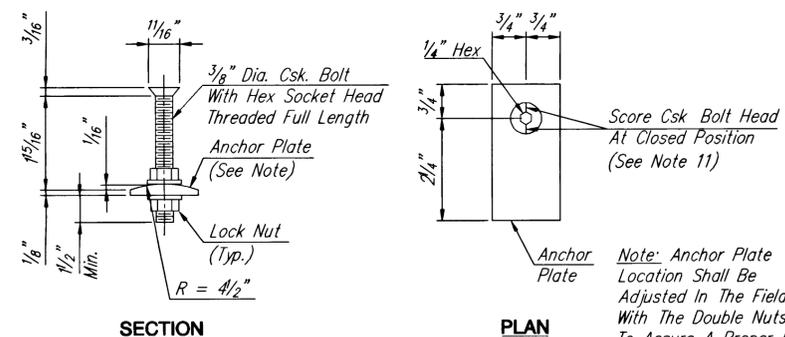
SECTION C-C
3" = 1'-0"



SECTION B-B
Half Size

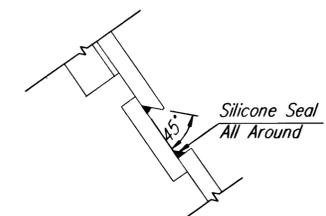


SECTION D-D
Half Size



LATCH BOLT ASSEMBLY DETAIL

(See Note 12)
N.T.S.



DETAIL-A
Half Size

NOTES:

- Existing hole locations shown include the existing 6, 8 and 10 bolt cover configurations that currently exist in the field. The 9" dimension in the Plan view is for the existing 6 and 8 bolt cover configurations and the 10" dimension is for the existing 10 bolt cover configuration.
- New frame plate shall be used as a template for reaming the existing holes and field drilling the new holes in the existing frame plate. Prior to the final installation, two (2) beads of silicone caulk shall be placed all around the existing frame plate.
- New neoprene gasket shall be a closed cell, Neoprene/EPDM/SBR sponge rubber material with a firmness rating of 3. Gasket shall be attached to the new frame plate with an approved adhesive.
- Holes in new latch plate shall be oversized to allow for field adjustment during installation to assure a proper fit of the new latch bolt assembly.
- Unless otherwise noted, all new structural steel shall be ASTM A709, Grade 36 and shall be galvanized in accordance with ASTM A123.
- All new galvanized surfaces which are damaged as part of the installation work (per field drilled holes, field welds, etc.) shall be repaired in accordance with the requirements of ASTM A780.
- Unless otherwise noted, all new bolts shall be ASTM A449. Nuts shall conform to ASTM A563 and washers to ASTM F436. Bolts, nuts and washers shall be galvanized in accordance with ASTM A153. All nuts shall have a lock washer and a flat washer.
- Care shall be exercised during removal operations so as to not damage any materials which are designated to remain. Any damaged material to remain shall be replaced in kind in accordance with the existing bridge drawings.
- The contractor shall verify all pertinent dimensions in the field prior to the fabrication or installation of any materials shown.
- All contacting surfaces shall be thoroughly cleaned to remove any foreign material.
- The new 3/8" cover plate shall also be scored in the closed position to facilitate the proper installation of the latch bolt assembly.
- All assembly items shall be stainless steel ASTM A276, Type 304 Condition A, Hot-Finished. No Latch Bolt Assembly Detail alternates are permitted.

BY	DATE
SSR	12/2004
TRACED	MDC 12/2004
CHECKED	ALB 12/2004
SUPERVISED	JMD 12/2004



ORIGINAL SIZE IN INCHES

APP	NO	DATE	REVISION

NEW JERSEY TURNPIKE AUTHORITY NEW JERSEY TURNPIKE	
BRIDGE ELECTRICAL DETAILS - III	
HNTB CORPORATION 145 RT. 46 WEST, SUITE 400, WAYNE NJ 07470 JOHN M. ORMAN N.J.P.E. License No. GE 39691	STANDARD DRAWING E-5C

CONTRACT NO.

SHEET NO.

OF