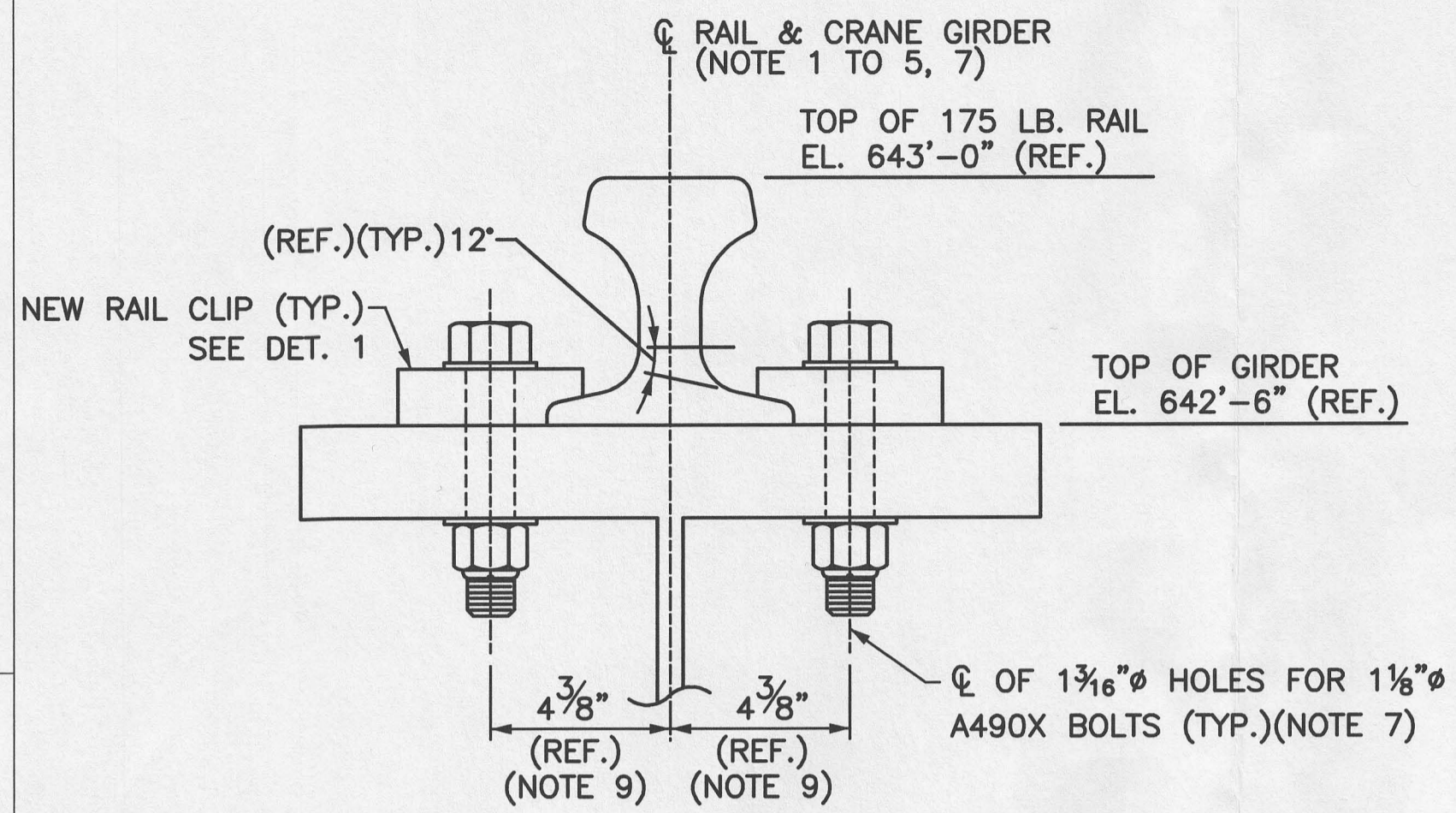
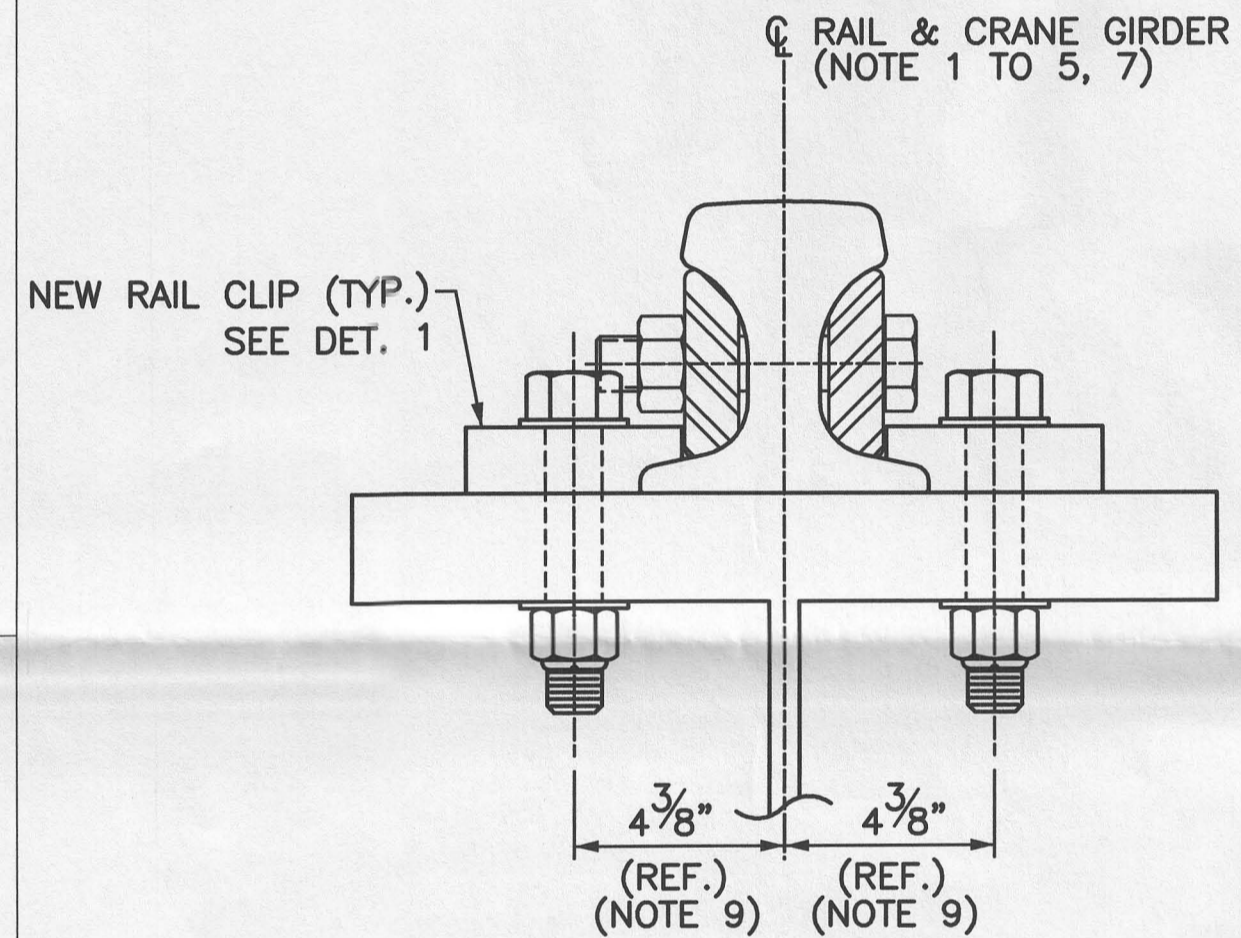


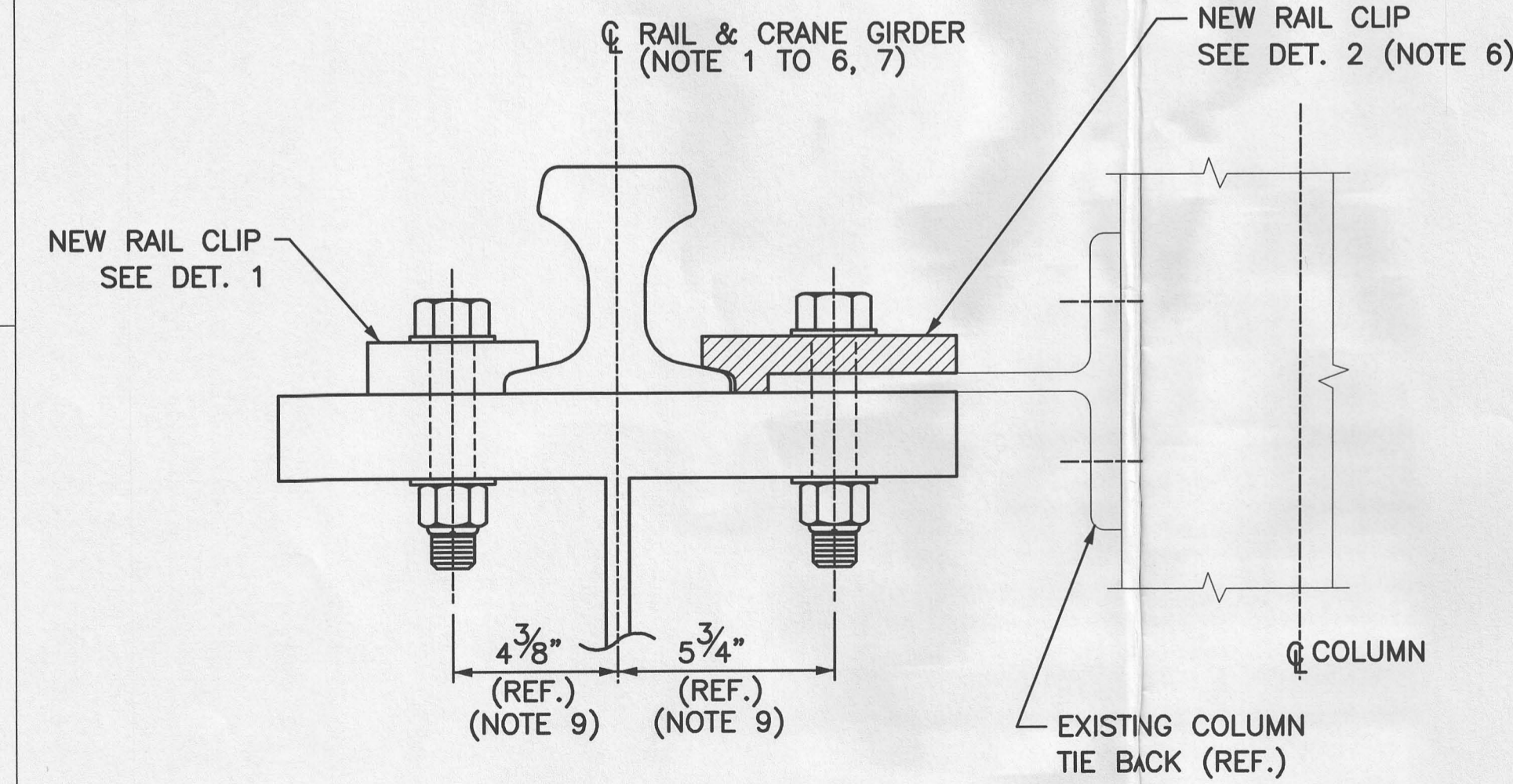
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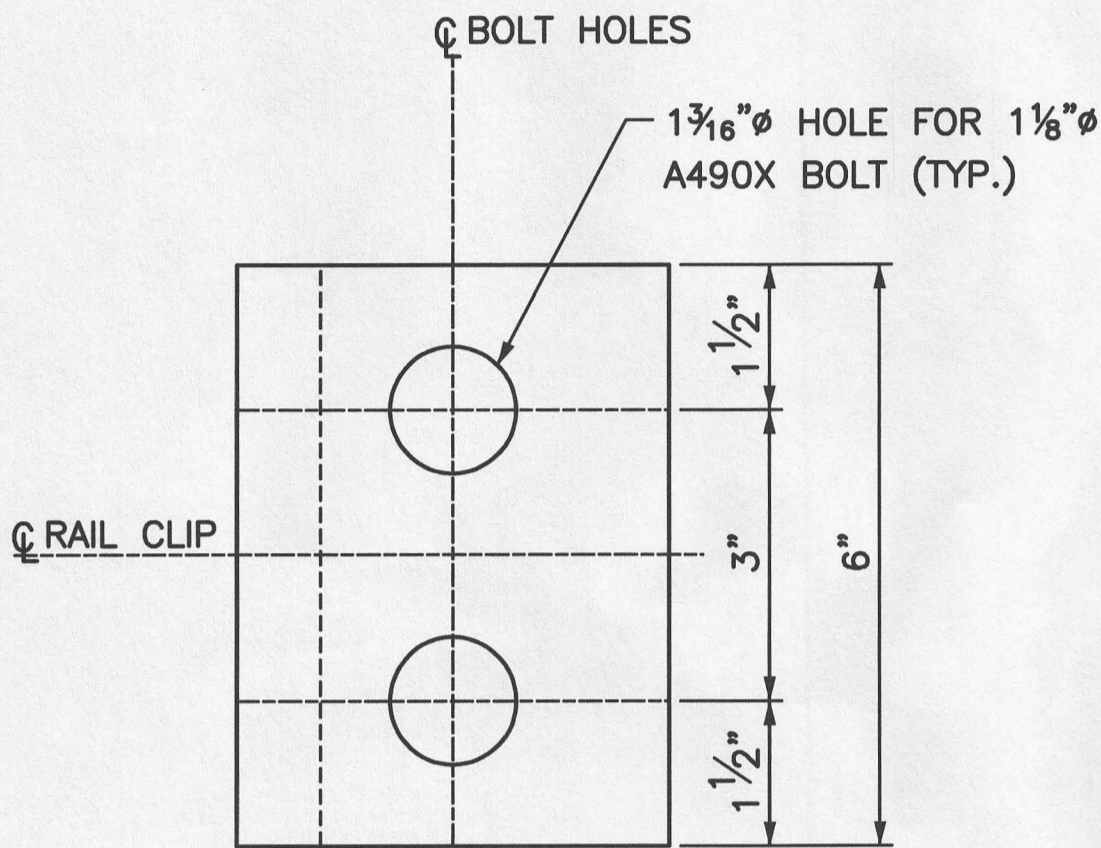
SECTION A-A
(SH. 1 & SH. 2)
SCALE: 1:4



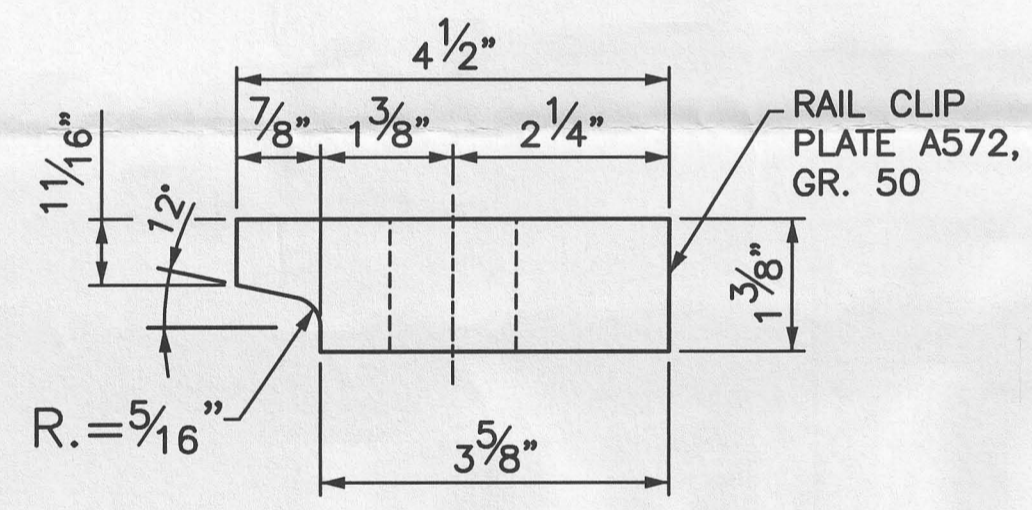
SECTION B-B
(SH. 1 & SH. 2)
SCALE: 1:4



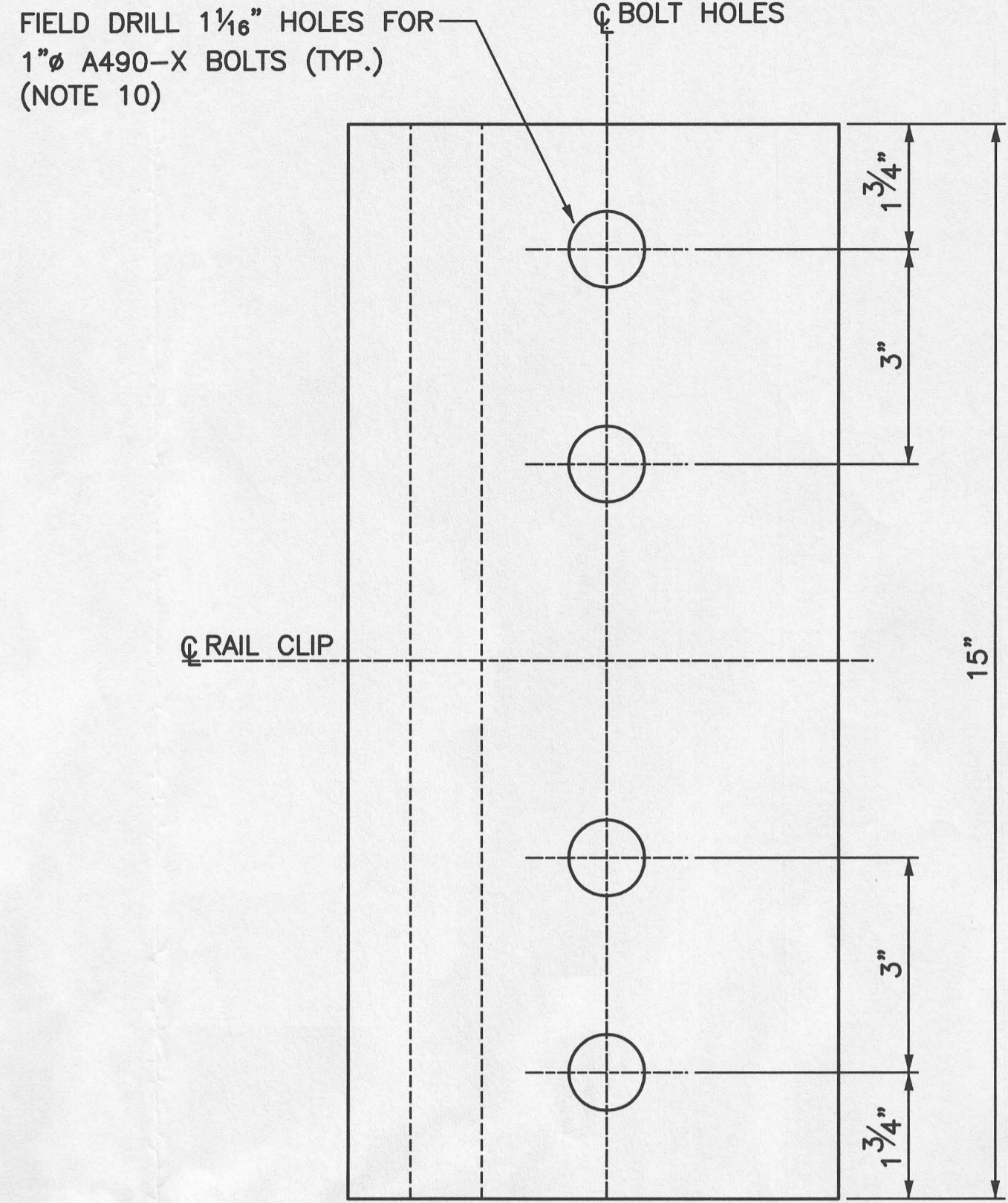
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(SH. 2)
SCALE: 1:4



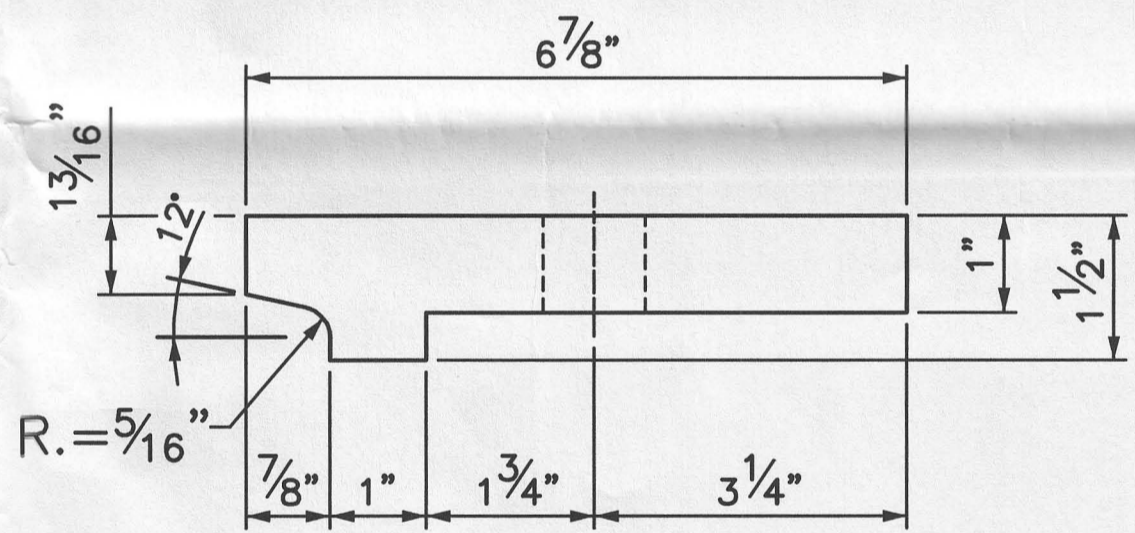
PLAN



DETAIL-1
SCALE: 1:2

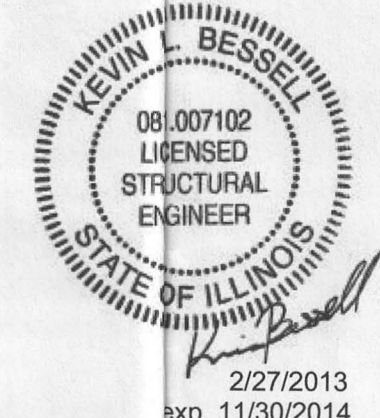


PLAN



DETAIL-2
SCALE: 1:2
(NOTE 11)

- NOTES:**
1. WORK THIS DRAWING WITH SH. 1, SH. 2 AND DRAWING B-402 AND B-403.
 2. STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC 360-05, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303-05, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. FABRICATION TOLERANCES SHALL BE PER AISC 303-05, SECTION 6.4, UNLESS NOTED OTHERWISE.
 3. ALL STRUCTURAL STEEL (PLATES/BAR) FOR NEW RAIL CLIP SHALL CONFORM TO ASTM A572, GRADE 50, UNLESS NOTED OTHERWISE.
 4. ALL STRUCTURAL BOLTED CONNECTIONS SHALL BE PRETENSIONED USING 1 1/8" DIAMETER ASTM A490-X BOLTS WITH ASTM A563 HEAVY HEX NUT AND ASTM F436 HARDENED WASHERS UNDER THE BOLT HEAD AND NUT, UNLESS NOTED OTHERWISE. BOLT SHALL BE PRETENSIONED TO A MINIMUM OF 80 KIPS.
 5. ALL STRUCTURAL BOLT HOLES SHALL BE (BOLT DIAMETER + 1/16") UNLESS NOTES OTHERWISE.
 6. ONLY AT THE COLUMN TIE BACK PROVIDE 1" DIAMETER A490-X BOLTS WITH ASTM A563 HEAVY HEX NUT AND ASTM F436 HARDENED WASHERS UNDER THE BOLT HEAD AND NUT. BOLT SHALL BE PRETENSIONED TO A MINIMUM OF 64 KIPS.
 7. FABRICATION AND ERECTION CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO DRILLING HOLES IN THE TOP FLANGE OF CRANE GIRDER TO ENSURE PROPER FIT UP AND ALIGNMENT. ALL ERECTION WORK SHALL COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS.
 8. AT ALL LOCATIONS THE LONGITUDINAL CLEAR SPACING BETWEEN THE NEW RAIL CLIPS SHALL NOT EXCEED 2'-1".
 9. ALL RAIL CLIPS SHALL BE FITTED TO BEAR AGAINST THE RAIL.
 10. VERIFY DIMENSION FROM TOE OF RAIL TO CENTERLINE OF BOLT HOLE PRIOR TO DRILLING AT TIE BACK CONNECTION.
 11. FIELD MAY GRIND OFF UP TO 1/8" OF MATERIAL FROM NOSE OF RAIL CLIP AT TIE BACK CONNECTION.



SAFETY RELATED

2	REVISED NOTE	KLB	SCA	JPW	KLB	2/27/13
1	ADDED REF., PROVIDED PRETENSION REQUIREMENT, CHANGED BOLT	KLB	SCA	JPW	KLB	2/18/13
0	ISSUE FOR CONSTRUCTION	DIG	PHS	MKP	SMP	11/16/12
REV	DESCRIPTION	DRN	CHK	REV	APP	DATE

ENERCON
Naperville, IL

ZIONSOLUTIONS
ZION NUCLEAR POWER STATION

ISFSI PROJECT
FHB CRANE RAIL MODIFICATION
DETAILS

SIZE	DWG NO.	REV
D	ZION001-C-208	2
SCALE	AS SHOWN	SHEET 3 of 3

8 7 6 5 4 3 2 1

D03x