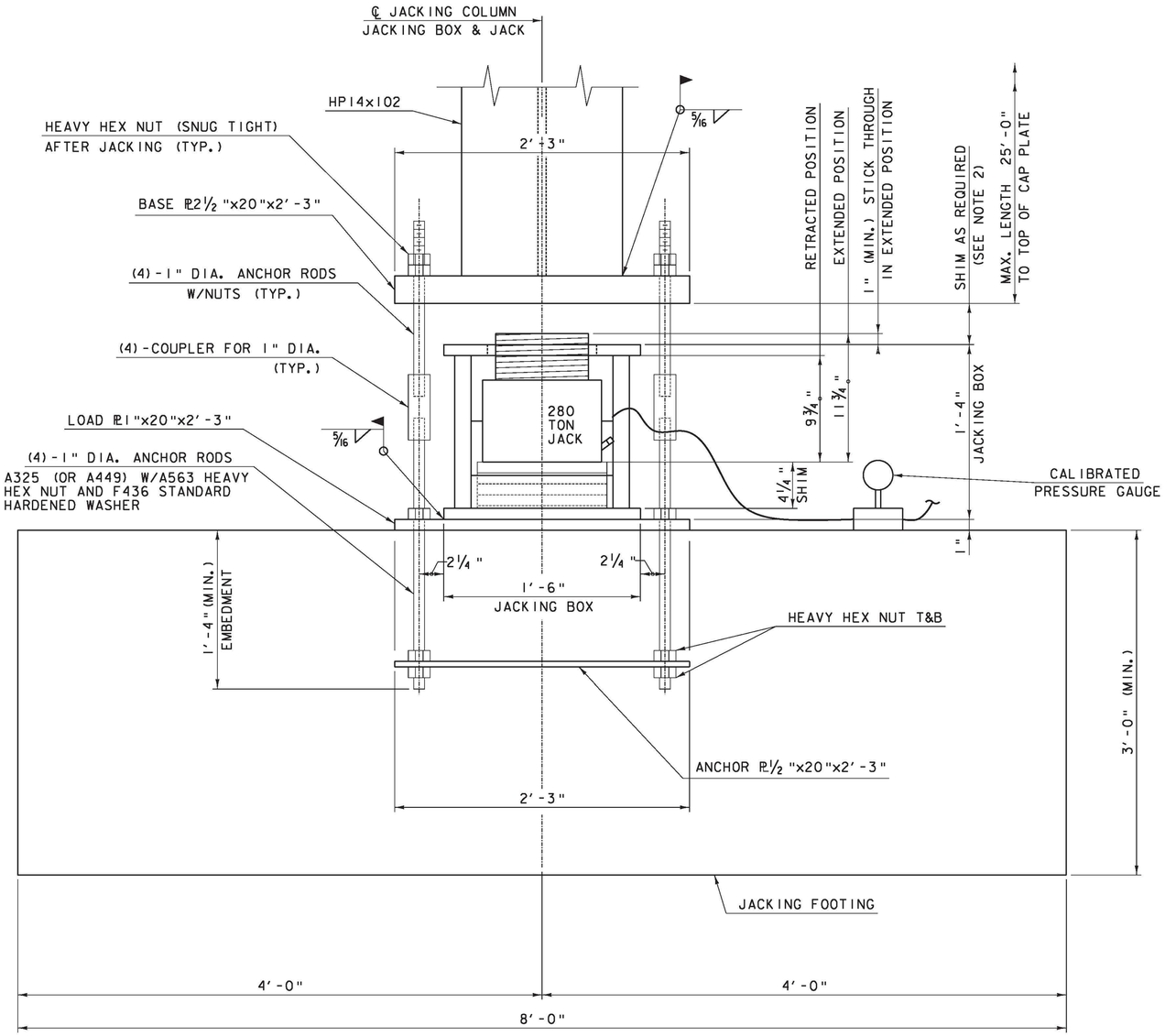
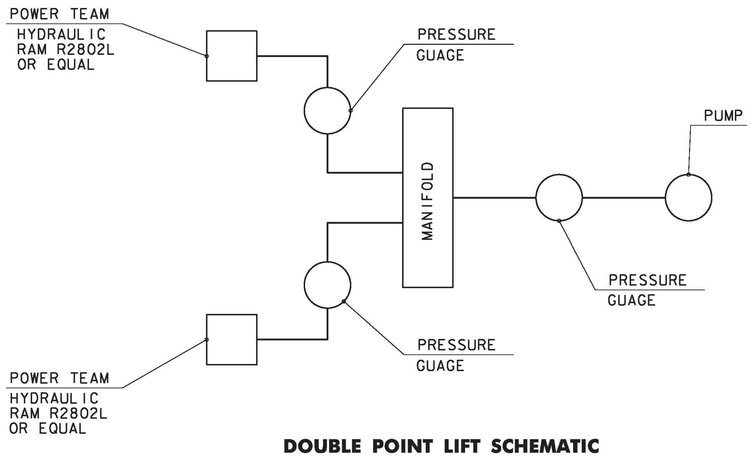


A — **J4** — **JACKING DETAIL**

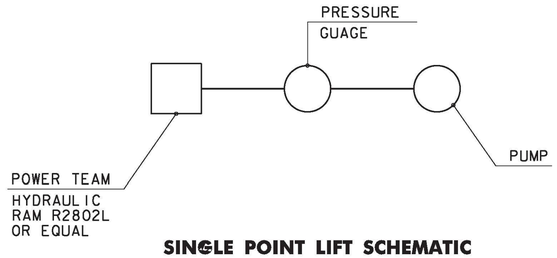
	PROPOSED JACKING HEIGHTS		
	EXISTING ℄ PIN ELEV. FT.	PROPOSED ℄ PIN ELEV. FT.	△ IN.
WEST ABUT.	314.500 *	314.514	+3/16"
EAST ABUT.	316.830 *	316.759	-⅛"

*-DIMENSION TO BE FIELD VARIFIED.

JACKING LOADS/JACKING POINT	
-DEAD LOAD STEEL+CONCRETE =	487 KIPS
-CONSTRUCTION LOADING =	8 KIPS
-LIVE LOAD =	25 KIPS
	520 KIPS



DOUBLE POINT LIFT SCHEMATIC



SINGLE POINT LIFT SCHEMATIC

JACKING NOTES:

1. EACH DESIGNED LIFTING POINT SHALL BE RAISED BY APPLYING THE NECESSARY FORCE AT EACH POINT. AT NO TIME SHALL THE APPLIED LIFTING FORCE BE GREATER THAN 1½ TIMES THE CALCULATED LIFTING FORCE.
2. IF A SINGLE POINT LIFT IS UTILIZED, THE DIFFERENTIAL BETWEEN LIFT POINTS SHALL NOT EXEED ⅝"
3. CONSTRUCTION VEHICLES/EQUIPMENT SHALL NOT BE PERMITTED ON THE BRIDGE DURING LIFTING OPERATIONS UNTIL SHIMS AND SUPPORTS ARE IN THEIR REQUIRED POSITION.

GENERAL NOTES:

1. ANY OF THE STEEL SECTIONS SPECIFIED MAY BE SUBSTITUTED FOR ANY SECTION OF EQUIVALENT SIZE. NOTIFY ENGINEER.
2. SHIMS SHALL BE TACK WELDED INTO PLACE
3. ALL STEEL SHALL BE ASTM A709/AASHTO GR 36 (MIN.).
4. IF OVERSIZING IS NECESSARY, USE 1⅛"x3"x4" PLATE WASHER IN ADDITION TO HARDENED WASHER AT TOP.

JACKING ASSEMBLY DETAILS

PROJECT NAME: RICHMOND

PROJECT NUMBER: STP-RS 0284(11)

FILE NAME: z90c092 abt rnf 05.dgn
PROJECT LEADER: DJV
DESIGNED BY: CTA/PP
DWG. NO.: J7

PLOT DATE: 8/3/2011
DRAWN BY: PKR
CHECKED BY: VC/KM
SHEET XX OF XX

FILE NAME = v:\projects\eng\k2\2207\coddl_mstr\bridge work\abs (2-2)_jacking\z90c092_jacking_dtl_05.dgn
DATE/TIME = 8/3/2011
USER = JPS