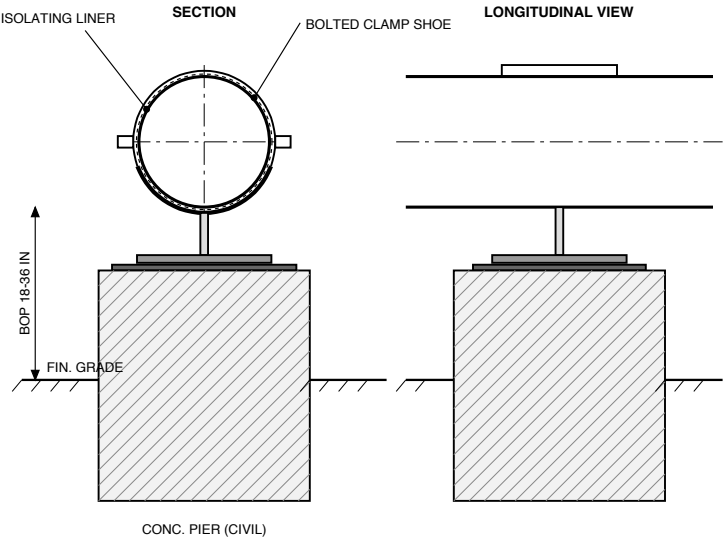


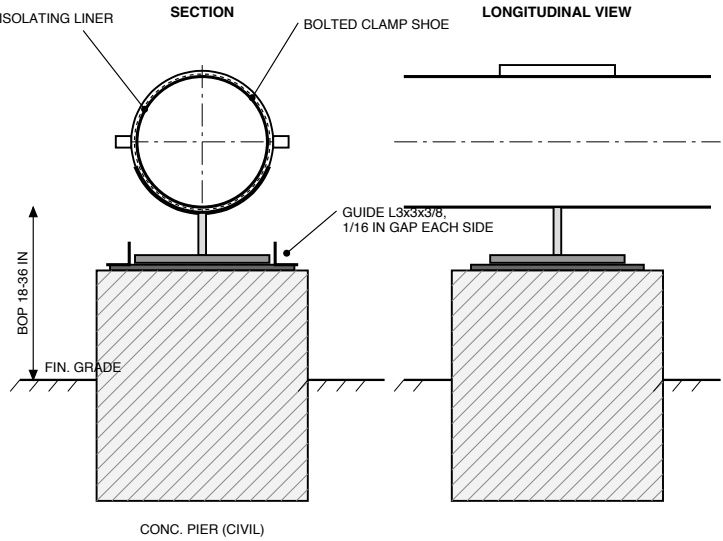
DETAIL SR-1: RESTING SHOE ON PIER

NPS 8-12, ISOLATING LINER



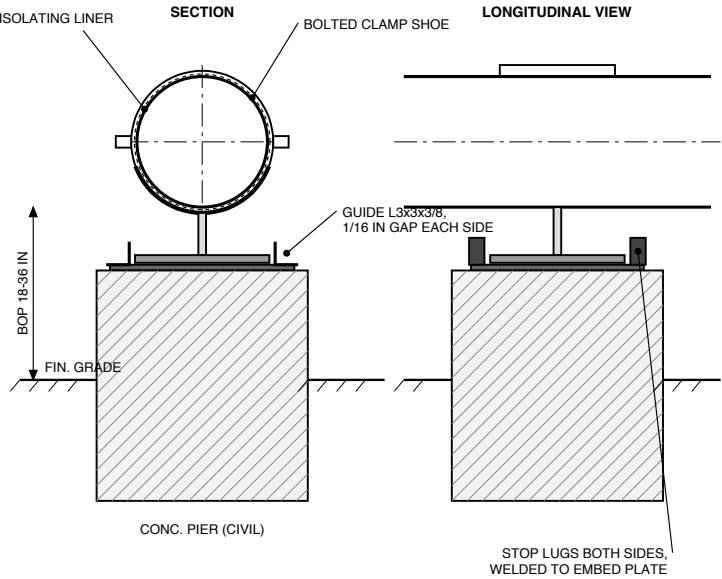
DETAIL SG-1: GUIDED SHOE

LATERAL GUIDE, AXIAL FREE



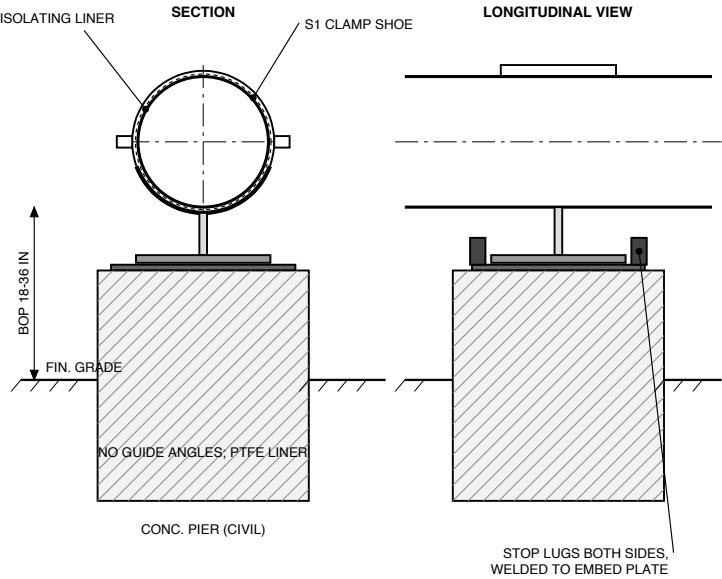
DETAIL SL-1: AXIAL LINE STOP

STOP LUGS + GUIDES



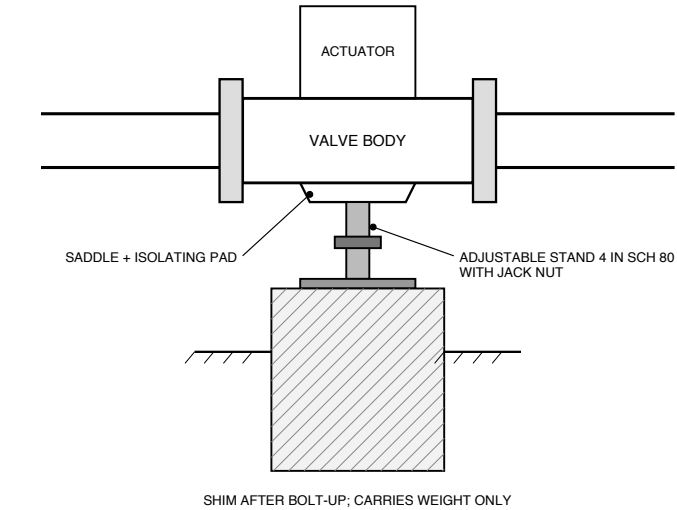
DETAIL SL-2: AXIAL STOP, LATERAL FREE

S1 VENT HEADER 1070 WEST LEG AT THE TEE



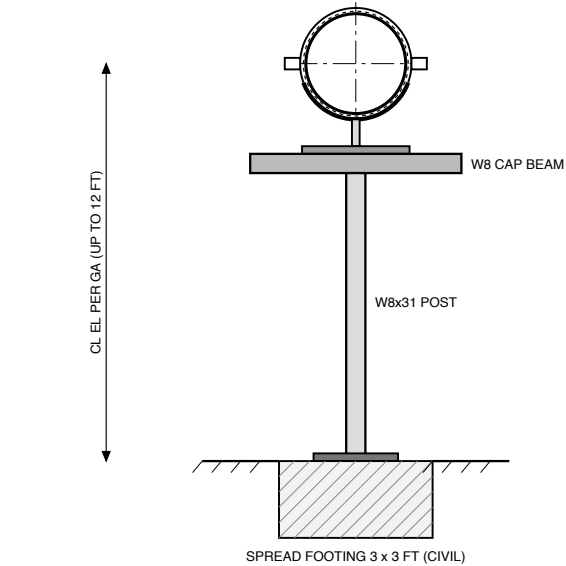
DETAIL SV-1: VALVE / HEAVY COMPONENT STAND

UNDER 8-12 IN VALVES, CKV-171, FCVs



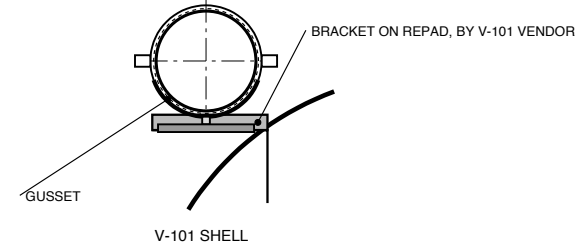
DETAIL ST-1: TALL STEEL POST

KICKER 1101 AND ELEVATED SPOOLS



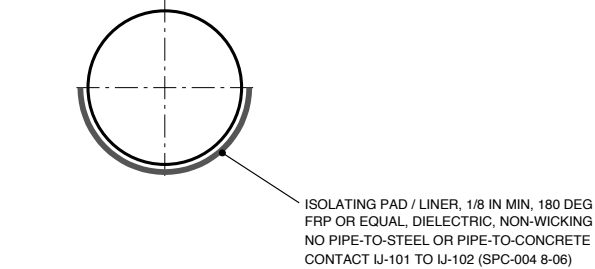
DETAIL ST-2: V-101 SHELL BRACKET

1002 / 1003 OVER V-101; MOVES WITH VESSEL



DETAIL ISO: ISOLATION AT PIPE CONTACT

ALL TYPES, IJ-101 TO IJ-102



CLAMP SHOE DIMENSIONS AND GOVERNING DESIGN LOADS (MEC-CAL-005)

NPS	SHOE L	BASE W	SHOE H	CLAMP BOLTS	GUIDE GAP	PIER	MAX V lb	MAX H lb	MAX AX lb
12	18 IN	8 IN	4 IN	4 x 3/4 A193 B7	1/16 IN	24 x 24 IN	7,614	7,408	3,022
10	18 IN	8 IN	4 IN	4 x 3/4 A193 B7	1/16 IN	SKID STEEL	-	-	-
8	12 IN	6 IN	4 IN	4 x 5/8 A193 B7	1/16 IN	24 x 24 IN	-	-	-

NOTES / REFERENCES

- SUPPORT LOCATIONS, TYPES AND LOADS: MEC-CAL-005 SCHEDULE; PLAN LOCATIONS PIP-DWG-001.
- NO WELDING TO A6 OR S1 PIPE: CLAMP SHOES ONLY. SA-1 WELDED LUGS ONLY ON A1 / D1 WHERE NOTED.
- SHOE HEIGHT 4 IN; TOP OF CONCRETE = BOP - 4 IN - 1/8 IN LINER; FINAL ELEVATIONS PER GA AND CIVIL GRADE.
- SL-1 CLAMP SLIP CAPACITY $\geq 1.5 \times$ SCHEDULED AXIAL LOAD (VENDOR TO CONFIRM, HOLD H-15).
- PIERS, FOOTINGS AND DRILLED PIERS DESIGNED BY CIVIL (VOLUME 5) FOR THE SCHEDULED LOADS.
- S1 LINES (1070-1077, 1120, 1160, 1161, 1170, VS-101): SS OR PTFE / G-10 ISOLATED CONTACT, NO GALV. / CS.
- COATING: CS STEEL GALVANIZED; A6 / A1 / D1 PIPE PAINTED BEFORE SHOE INSTALLATION (SPC-010).
- REF: MEC-CAL-004

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)			

PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO _____

COUNTY, _____
DISCIPLINE: MECHANICAL / PIPING
SCALE: NTS

TYPICAL PIPE SUPPORT DETAILS

LARGE BORE SHOES, STOPS, STANDS
DRAWN: _____ CHECKED: _____ APPROVED: _____
DWG NO. _____
PIP-DWG-006
SHEET 1 OF 2 REV A