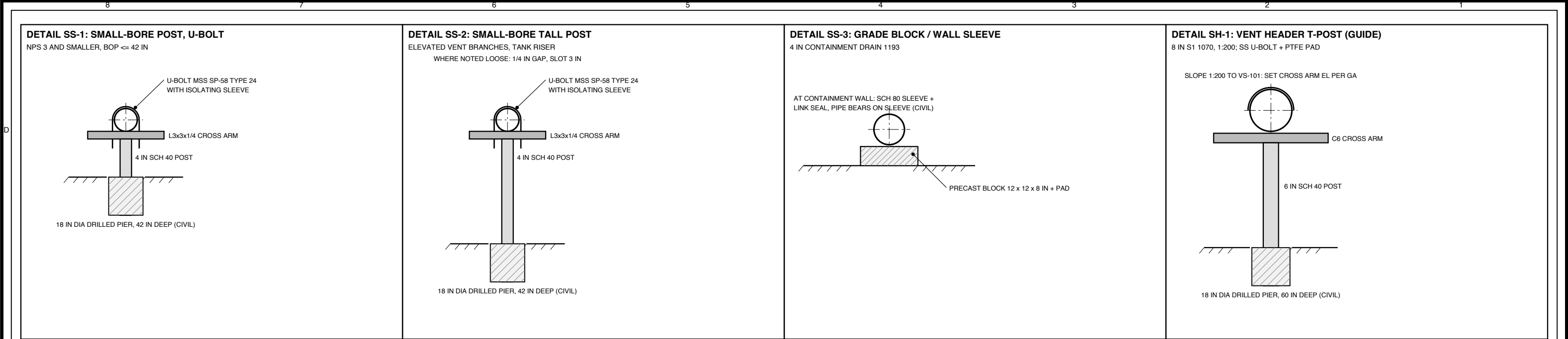




SUPPORT TYPE SCHEDULE (COUNTS AND MAXIMUM DESIGN LOADS FROM MEC-CAL-005)								
TYPE	DESCRIPTION	QTY	SIZES	BOP RANGE IN	MAX V lb	MAX H lb	MAX AX lb	DETAIL
SR-1	Resting clamp shoe on concrete pier	49	12, 4	13 to 44	4,410	1,163	1,163	SH 1
SG-1	Guided clamp shoe on concrete pier	19	12, 4	14 to 35	7,614	7,408	2,262	SH 1
SL-1	Axial line stop (clamp shoe, stop lugs, guides)	3	12	24 to 31	3,357	4,840	3,022	SH 1
SL-2	Axial stop without guides (S1 header west leg)	1	8	20 to 20	504	87	994	SH 1
SV-1	Adjustable stand under valve / heavy component	12	12	24 to 33	4,439	1,176	1,176	SH 1
ST-1	Tall steel post with cap beam	18	8, 4	50 to 115	1,872	392	392	SH 1
ST-2	V-101 shell bracket (vessel vendor)	4	12	143 to 145	3,988	1,178	1,178	SH 1
SS-1	Small-bore post with U-bolt	46	3, 2, 1	6 to 42	897	500	211	SH 2
SS-2	Small-bore tall post with U-bolt	53	3, 2, 1, 3/4	42 to 131	135	70	37	SH 2
SS-3	Precast grade block / wall sleeve	2	4	0 to 0	126	36	36	SH 2
SH-1	Vent header T-post with U-bolt guide	18	8	19 to 49	892	176	157	SH 2

LEGEND

BOP = BOTTOM OF PIPE ABOVE CIVIL FINISHED GRADE. BASIS RANGE 18 TO 36 IN; SUPPORTS OUTSIDE THE RANGE ARE FLAGGED IN THE CAL-005 SCHEDULE (SLOPED PAD, ELEVATED VENT BRANCHES, DRAINS AT TANK / VESSEL NOZZLES).

LOOSE / SLOTTED U-BOLTS WHERE CAL-004 REQUIRES FREEDOM FOR S1 VENT HEADER TRAVEL (BLOWDOWN -150 F TO 150 F: UP TO 5.2 IN AT THE 1070 EAST CAP, 3.4 IN AT THE WEST-LEG SOUTH END). HEADER ANCHOR = VS-101 BASE (CIVIL FOUNDATION).

S1 SUPPORTS: 304 SS U-BOLTS / CLAMPS OR CS WITH PTFE OR G-10 ISOLATING PADS; NO ZINC OR CARBON STEEL IN CONTACT WITH S1 PIPE.

U-BOLT SCHEDULE (MSS SP-58 TYPE 24; A36 GALV. ON CS LINES, 304 SS ON S1 LINES)			
NPS	ROD DIA	MAX LOAD lb	SLEEVE
3/4, 1	3/8 IN	610	PTFE / NYLON
2	1/2 IN	1,130	PTFE / NYLON
3, 4	1/2 IN	1,130	PTFE / NYLON
8 (SH-1)	5/8 IN	1,810	PTFE / NYLON

NOTES / REFERENCES

1. SUPPORT IDS AND LOADS: MEC-CAL-005; GUIDE / STOP / ANCHOR DESIGNATION: MEC-CAL-004.
2. U-BOLTS ON SS-1 / SS-2 / SH-1 ARE GUIDES; SNUG, NOT CLAMPED, 1/16 IN GAP; LOOSE TYPE WHERE NOTED.
3. ISOLATING SLEEVE / PAD AT EVERY PIPE-TO-STEEL CONTACT (SPC-004 8-06); S1: PTFE / G-10, NO GALV.
4. SH-1 CROSS-ARM ELEVATIONS SET THE 1:200 SLOPE OF HEADER 1070; SURVEY BEFORE PIPE SETTING.
5. DRILLED PIER / BLOCK DESIGN AND EMBEDMENT BY CIVIL (VOLUME 5).
REF: MEC-CAL-004
REF: MEC-CAL-005
REF: SPC-SPC-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

SMALL BORE, VENT HEADER, TYPE SCHEDULE

DRAWN: _____ CHECKED: _____ APPROVED: _____

DWG NO. **PIP-DWG-006**

SHEET 2 OF 2 REV A