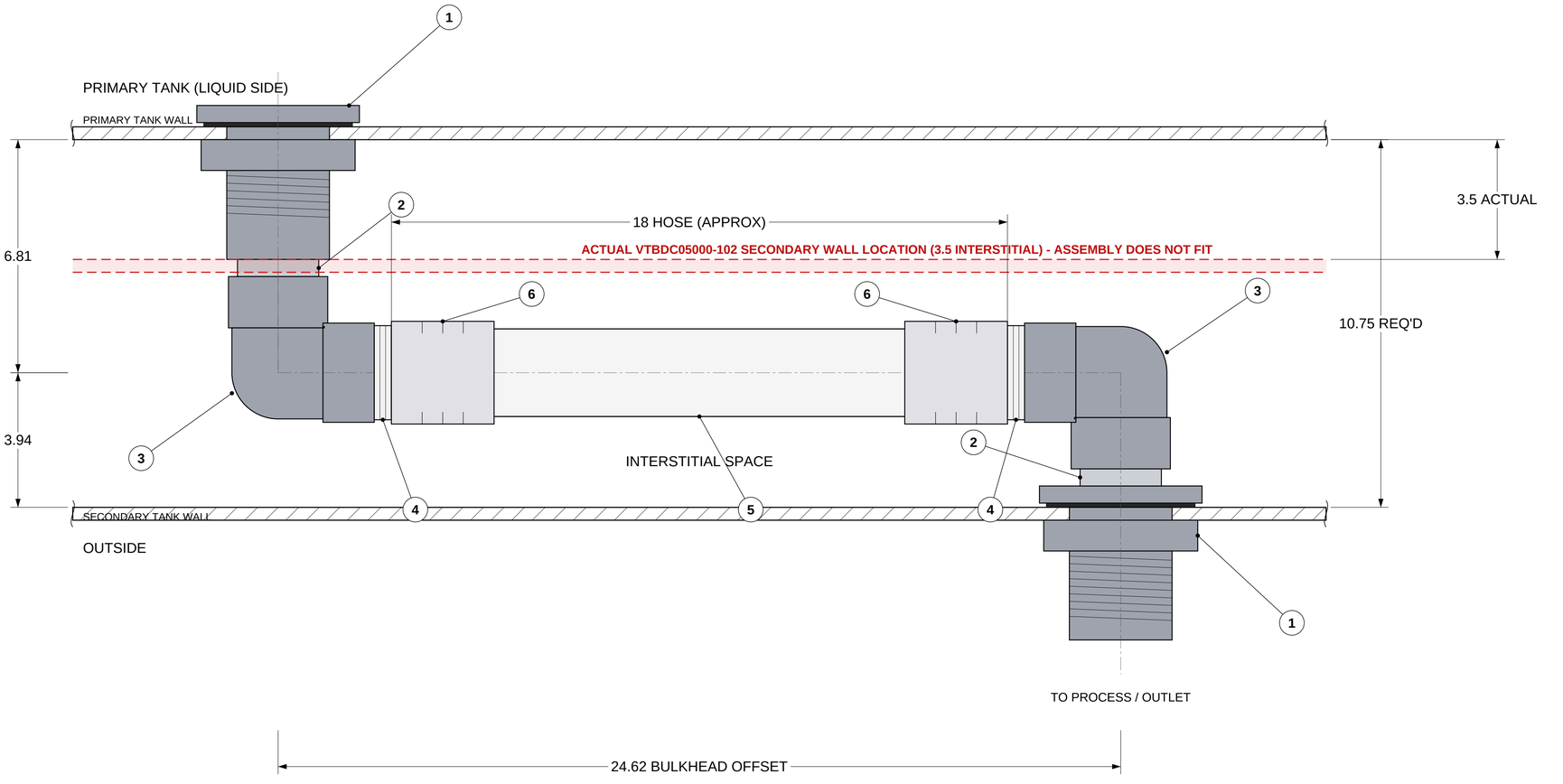
REVISIONS			
REV	DESCRIPTION	DATE	APPR
B	ITEMS 2, 4, 5 UPDATED (PIPE, 460-020, NOVAFLEX)	10/29/2026	

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	PART NO.
1	2	BULKHEAD / TANK ADAPTER, 2" SOC X FNPT, PVC OR CPVC	SPEARS 8171-020 (VERIFY)
2	2	PIPE, 2" SCH 80, PVC OR CPVC, CUT TO LENGTH	BY OTHERS
3	2	90° ELBOW, 2" SCH 80 SOCKET (ASSUMED - CONFIRM)	SPEARS 806-020 (VERIFY)
4	2	INSERT ADAPTER, BARB X SPIGOT, 2" SCH 40 PVC (WHITE)	SPEARS 460-020
5	1	HOSE, NOVAFLEX 4700 UHMW, 2" ID x 2.56 OD, ~18" LG	NOVAFLEX 4700CU-02000-00
6	2	CRIMP COLLAR, STAINLESS, APPROX 3" LG - PRO CRIMPED	BY OTHERS



FIT CHECK - 2" (APPROX)	
PRIMARY SIDE: BULKHEAD BODY INTO GAP	3.50
+ PIPE (ITEM 2) EXPOSED	0.50
+ ELBOW CENTER TO HUB FACE	2.81
SECONDARY SIDE: FLANGE + GASKET	0.62
+ PIPE (ITEM 2) EXPOSED	0.50
+ ELBOW CENTER TO HUB FACE	2.81
REQUIRED INTERSTITIAL	**10.75**
ACTUAL INTERSTITIAL (Ø102 - Ø95) / 2	3.50
SHORT BY	**7.25**

SECTION - INTERSTITIAL HOSE TRANSFER ASSEMBLY (2" SHOWN)

SCALE 1/2 - WALLS SHOWN FLAT (UNROLLED)

NOTES:

1. CONCEPT / MOCK-UP ONLY - NOT FOR FABRICATION. ALL FITTINGS SPEARS MANUFACTURING, 1" - 3" ALLOWED; 2" SHOWN.
2. FITTING DIMENSIONS ARE TYPICAL SCH 80 VALUES - VERIFY WITH SPEARS TECH SERVICE (717) 938-9006 BEFORE RELEASE.
3. ITEM 3 ASSUMED FROM HAND SKETCH - CONFIRM. ITEM 4 IS SCH 40 PVC ONLY, 140°F MAX (NO CPVC SPIGOT VERSION).
4. PRIMARY BULKHEAD GASKET ON LIQUID SIDE. SECONDARY BULKHEAD GASKET ON INTERSTITIAL SIDE.
5. HOSE (ITEM 5) ABSORBS MOVEMENT BETWEEN PRIMARY AND SECONDARY. COLLARS (ITEM 6) PROFESSIONALLY CRIMPED.
6. AT 2" THIS ASSEMBLY NEEDS APPROX. 10.75 OF INTERSTITIAL VS. 3.5 AVAILABLE ON VTBDC05000-102.
7. HOSE MIN. BEND RADIUS 8" (2"), 4" (1"), 3.5" (3/4") PER NOVAFLEX 4700 - HOSE CANNOT BEND INSIDE A 3.5 GAP ABOVE 3/4".

ALL DIMENSIONS ARE IN DECIMAL INCHES. TOLERANCE UNLESS OTHERWISE SPECIFIED ± .5% @ 68° F

BAILIFF ENTERPRISES INC.
WWW.DOUBLEWALLTANK.COM

DRAWN: BEI ENGINEERING	10/29/2026	Bailiff Enterprises Inc.	
CHECKED		TITLE: 2" INTERSTITIAL HOSE TRANSFER ASSY - CONCEPT	
QA			
MFG		BEI-IHT-200	
APPROVED		SIZE: D	DWG NO: BEI-IHT-200 CONCEPT (FOR VTBDC05000-102) REV: B
MATERIAL: PVC / CPVC / SS / UHMW		SCALE: 1/2	SHEET 1 OF 1