

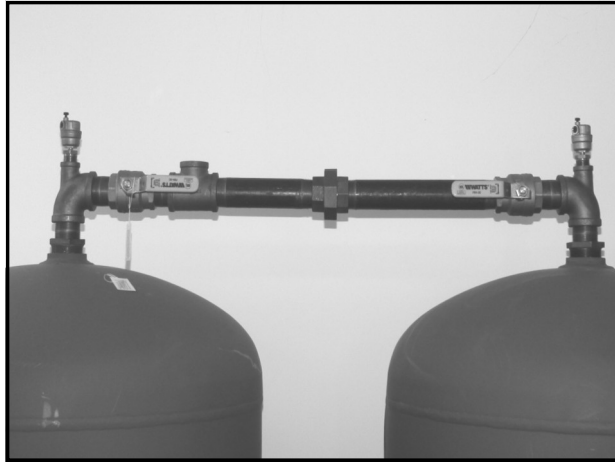
Installation Manual



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Piping Connections



Completed Top Connections (Option 1)



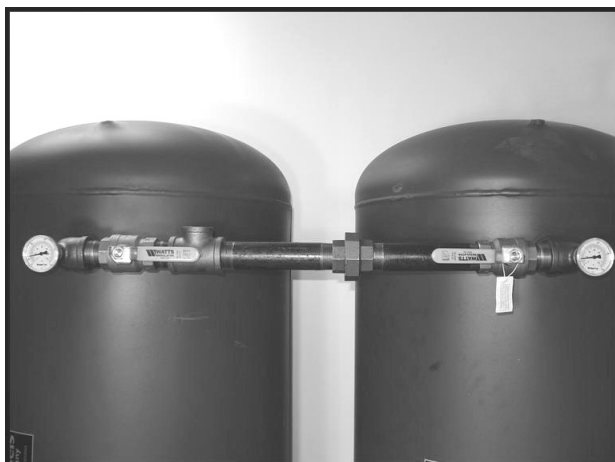
Completed Left Top Connections



Completed Right Top Connections



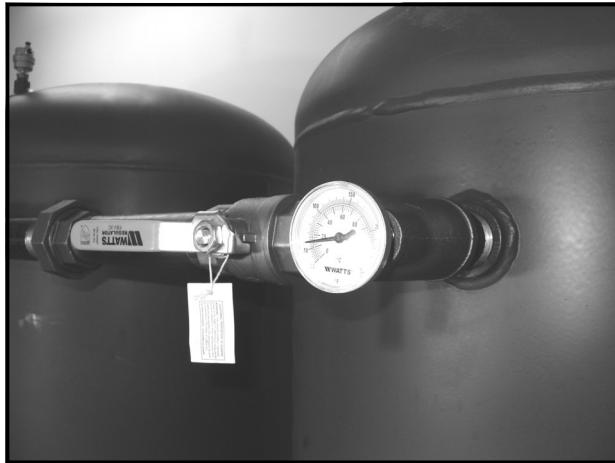
Install Temperature Gauge in Upper Tappings



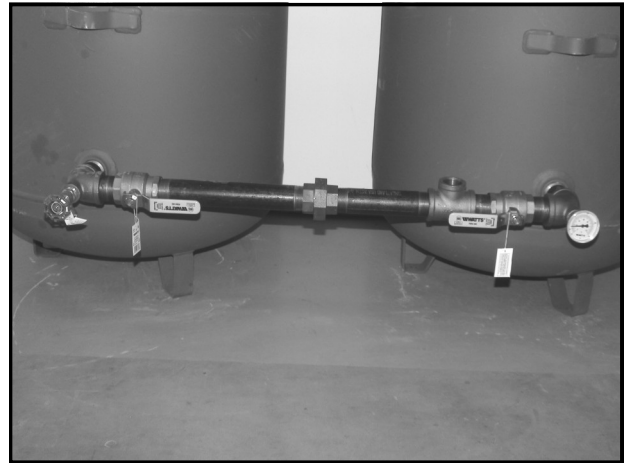
Completed Top Connections (Option 2)



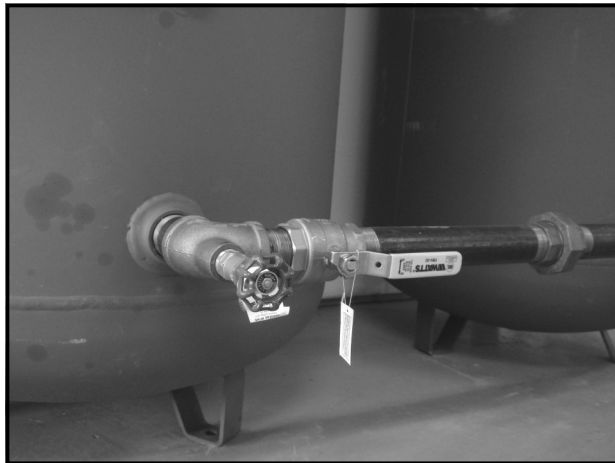
Completed Left Top Connections



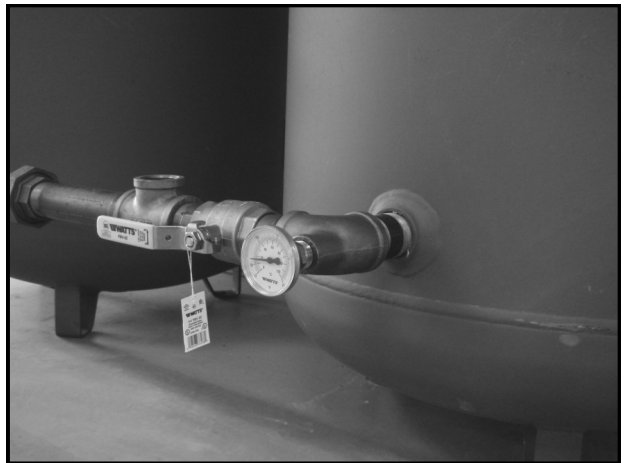
Completed Right Top Connections



Completed Bottom Connections



Completed Bottom Left Connections

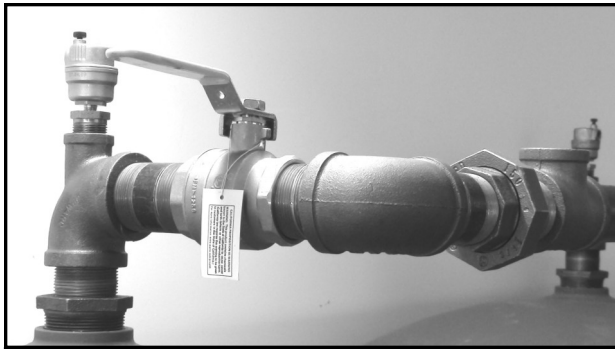


Completed Bottom Right Connections

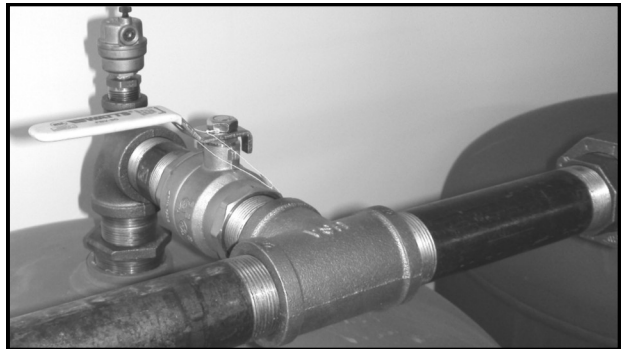
Triple Tank Installation



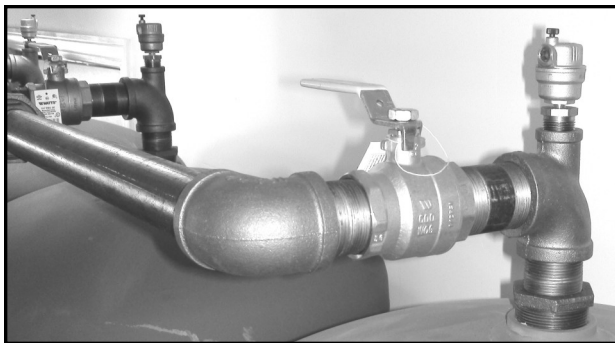
Completed Top Connections (Option 1)



Completed Left Top Connections



Completed Center Top Connections



Completed Right Top Connections



Completed Top Connections (Option 2)



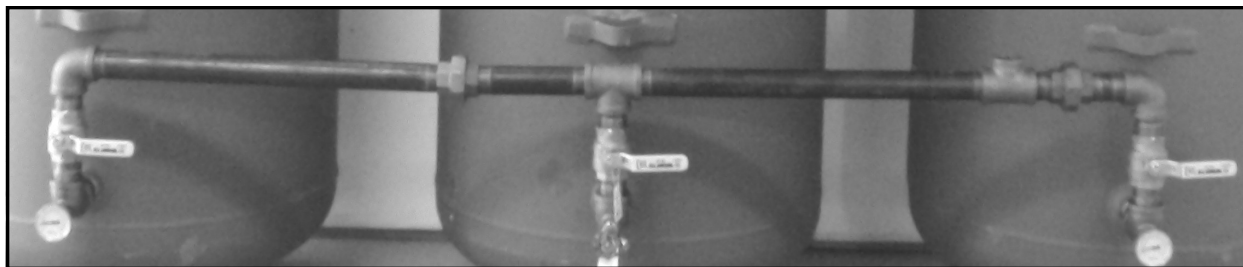
Completed Left Connections



Completed Middle Connections



Completed Right Connections



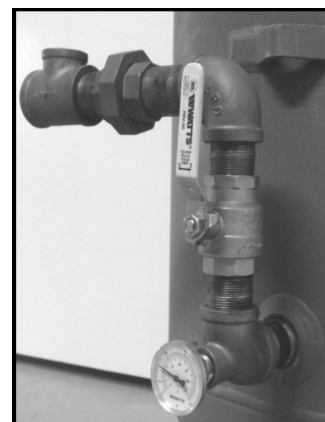
Completed Bottom Connections



Completed Left Connections



Completed Middle Connections



Completed Right Connections

Parts

Double Tank Parts (KBHST440Pipe Kit):

Qty	Description	Part Number
4	1½" Ball Valve	BV112
4	1½" x 8" Black Iron Nipple	BN112X8
8	1½" x 3" Black iron Nipple	BN112X3
2	1½" x Close Black Iron Nipple	BN112XCL
4	1½" x ¾" x 1½" Black Iron Tee	BT112X34X112
2	1½" Black iron Union	BU112
3	Temperature Gauge	TEMPGAUGE
2	Auto Air Vent	AAV
1	¾" Boiler Drain	BD34
2	½" Black Iron Plug	BP12
3	¾" x ½" Black Iron Bushing	BB34X12
2	¾" x ⅝" Black Iron Bushing	BB34X18
2	1½" x 1¼" Black Iron Tee	BT112X114
2	2" Black Iron Plug	BP2
2	1½" x 2" Black Iron Bushing	BB112X2
2	1½" x ¾" Black Iron Bushing	BB112X34
2	1½" Black Iron Plug	BP112

Triple Tank Parts (KBHST660Pipe Kit):

Qty	Description	Part Number
6	1½" Ball Valve	BV112
2	1½" x 8" Black Iron Nipple	BN112X8
8	1½" x 3" Black Iron Nipple	BN112X3
14	1½" x Close Black Iron Nipple	BN112XCL
6	1½" x ¾" x 1½" Black Iron Tee	BT112X34X112
2	1½" Black Iron Tee	BT112
5	Temperature Gauge	TEMPGAUGE
3	Auto Air Vent	AAV
1	¾" Boiler Drain	BD34
3	½" Black Iron Plug	BP12
5	¾" x ½" Black Iron Bushing	BB34X12
3	¾" x ⅝" Black Iron Bushing	BB34X18
2	1½" x 1¼" Black Iron Tee	BT112X114
4	1½" x 24" Black Iron Nipple	BN112X24
4	1½" x 90° Elbow	BF11290
4	1½" Black Iron Union	BU112
3	1½" x 2" Black iron Bushing	BB112X2
3	2" Black Iron Plug	BP2
3	1½" x ¾" Black Iron Bushing	BB112X34
3	1½" Black iron Plug	BP112

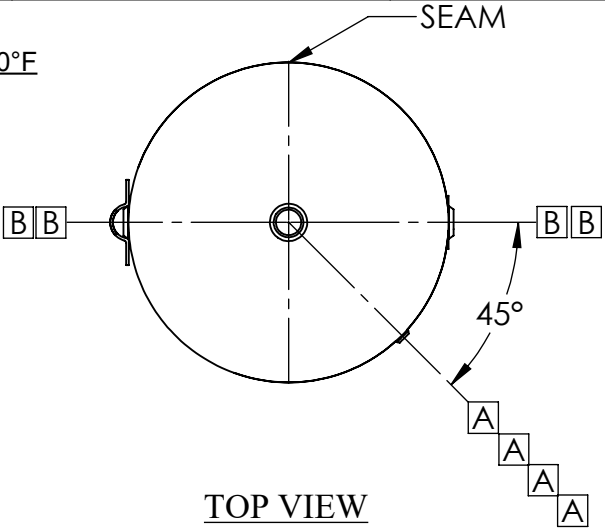
Double Tank Parts (KBHST600Pipe Kit):

Qty	Description	Part Number
4	1½" Ball Valve	BV112
4	1½" x 8" Black Iron Nipple	BN112X8
4	1½" x 3" Black iron Nipple	BN112X3
4	1½" x Close Black Iron Nipple	BN112XCL
4	1½" x ¾" x 1½" Black Iron Tee	BT112X34X112
2	1½" Black iron Union	BU112
3	Temperature Gauge	TEMPGAUGE
2	Auto Air Vent	AAV
1	¾" Boiler Drain	BD34
2	½" Black Iron Plug	BP12
3	¾" x ½" Black Iron Bushing	BB34X12
2	1½" x 1½" x 1¼" Black Iron Tee	BT112X114
2	1½" x 12" Black Iron Nipple	BN112X12
2	¾" x ¼" Black Iron Bushing	BB34X18
2	2" Black Plug	BP2
4	1½" Black Iron Plug	BP112
2	¾" x 1½" Black Iron Bushing	BB34X112
2	1½" x 2" Black Iron Bushing	BB112X2

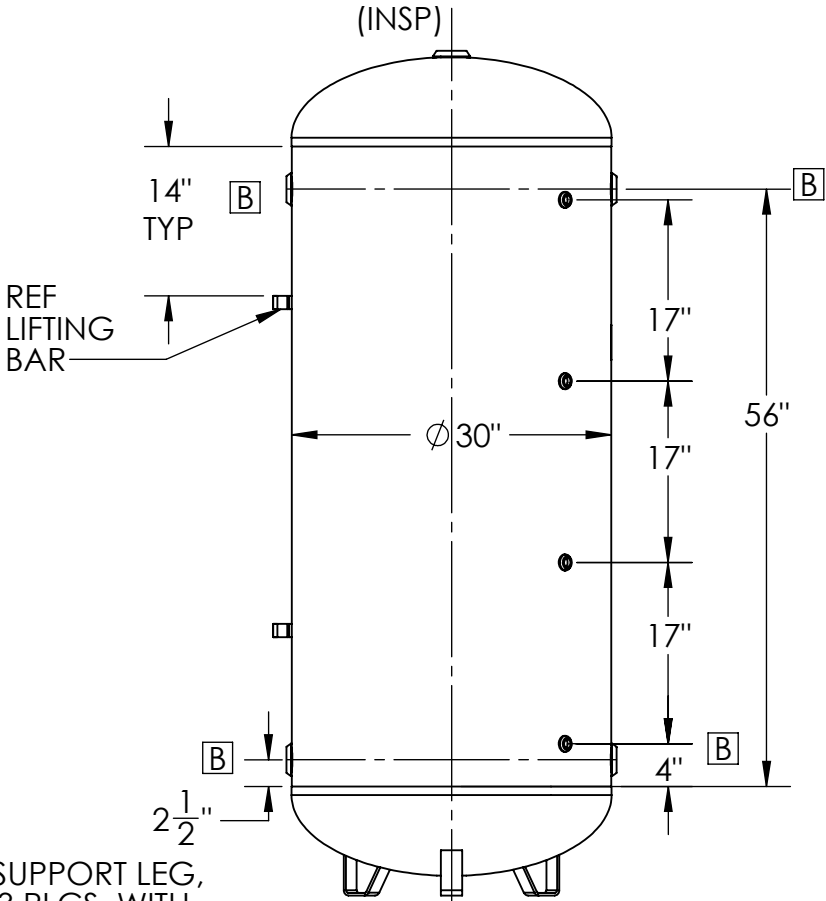
Double Tank Parts (KBHST800Pipe Kit):

Qty	Description	Part Number
4	1½" Ball Valve	BV112
4	1½" x 8" Black Iron Nipple	BN112X8
4	1½" x 3" Black Iron Nipple	BN112X3
4	1½" x Close Black Iron Nipple	BN112XCL
4	1½" x ¾" x 1½" Black Iron Tee	BT112X34X112
3	Temperature Gauge	TEMPGAUGE
2	Auto Air Vent	AAV
1	¾" Boiler Drain	BD34
2	½" Black Iron Plug	BP12
3	¾" x ½" Black Iron Bushing	BB34X12
2	1½" x 1¼" Black Iron Tee	BT112X114
2	1½" x 12" Black Iron Nipple	BN112X12
2	¾" x ¼" Black Iron Bushing	BB34X18
2	1½" Black Iron Union	BU112
6	2" Black Iron Plug	BP2
2	¾" x 2" Black Iron Bushing	BB34X2
4	1½" x 2" Black Iron Bushing	BB112X2

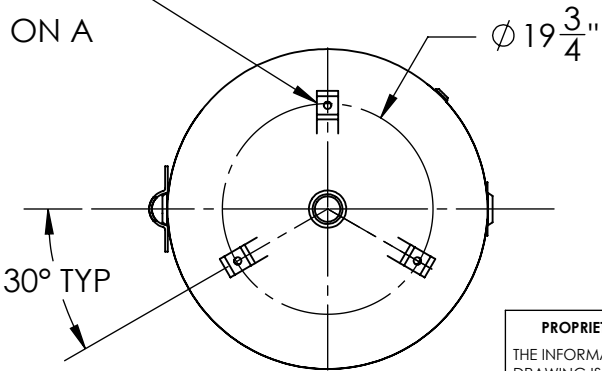
NOTES:
1. MAWP (INTERNAL DESIGN PRESS.): 125 PSIG AT 500°F
MAWP (EXTERNAL PRESS.): =
MDMT: -20°F AT 125 PSIG
TEST PRESSURE: 163 PSIG HYDRO
EXTERNAL FINISH: PRIME (SPEC QA-01-005)
INTERNAL FINISH: PLAIN
SHELL: SA-414G
HEAD: SA-414G
2. TOLERANCE TO BE PER JW DWG #STD SP-103
UNLESS OTHERWISE NOTED.
3. VESSEL TO BE FABRICATED & STAMPED PER
ASME SECT VIII, DIV 1, LATEST EDITION
4. EST WT: 345 LBS EMPTY; CAP: 220 GAL NOM.



TOP VIEW

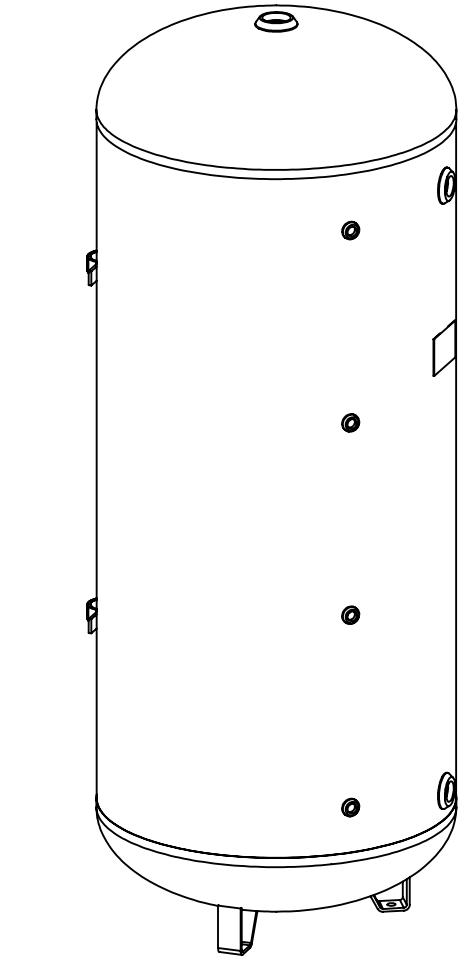
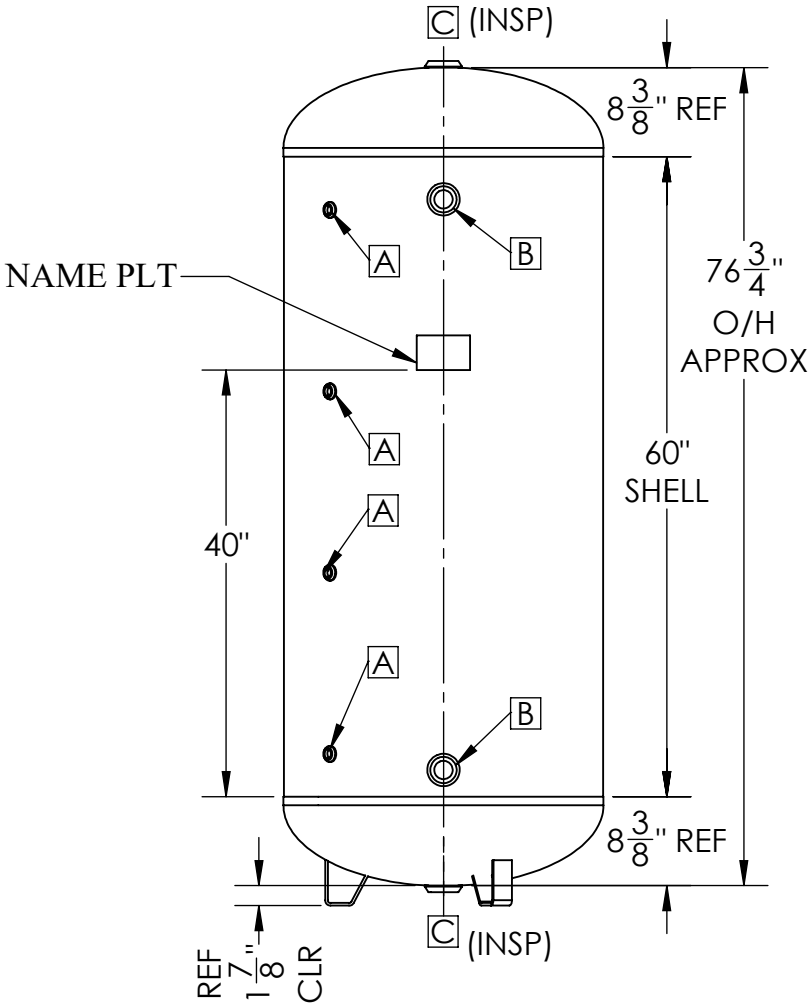


REF, SUPPORT LEG,
TYP 3 PLCS, WITH
11/16" Ø HOLE ON A
19 3/4" Ø



BOTTOM VIEW

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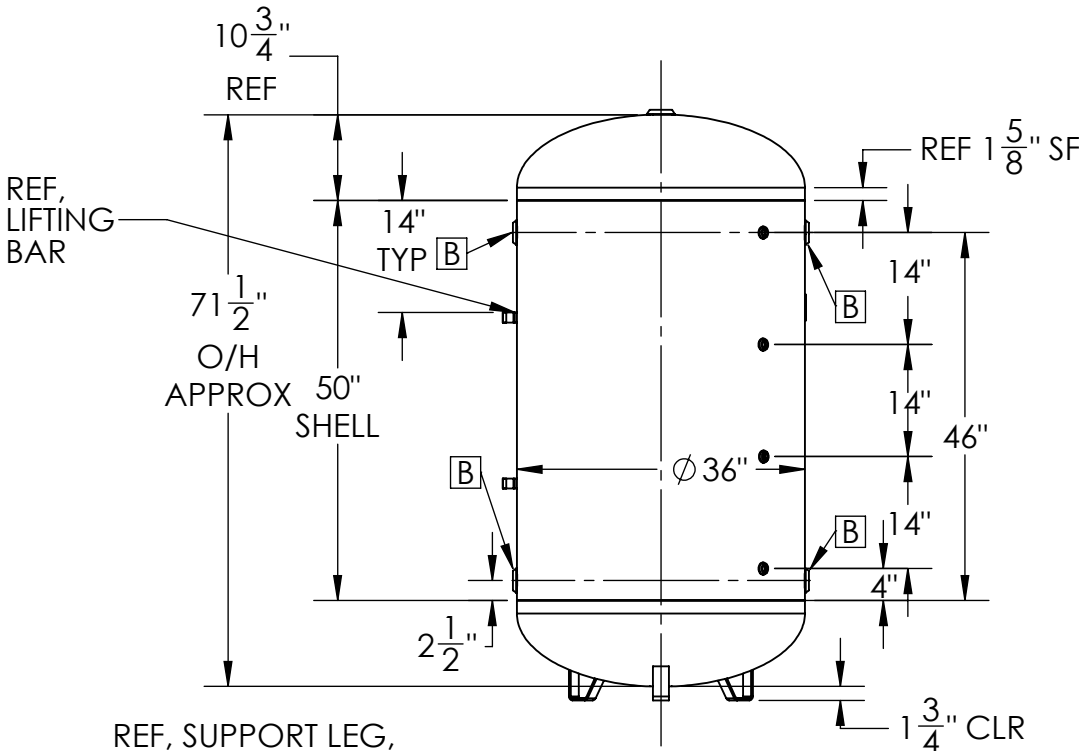
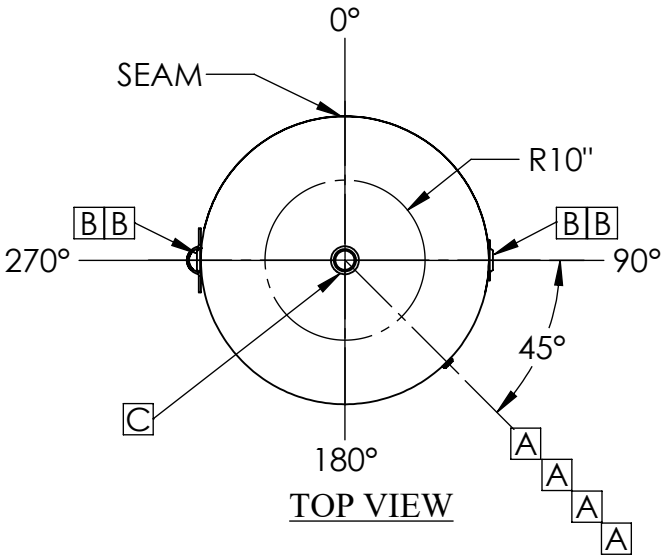


3D VIEW

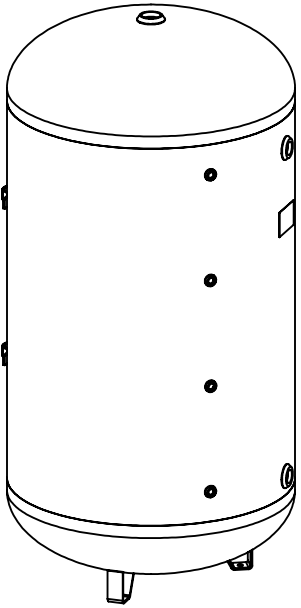
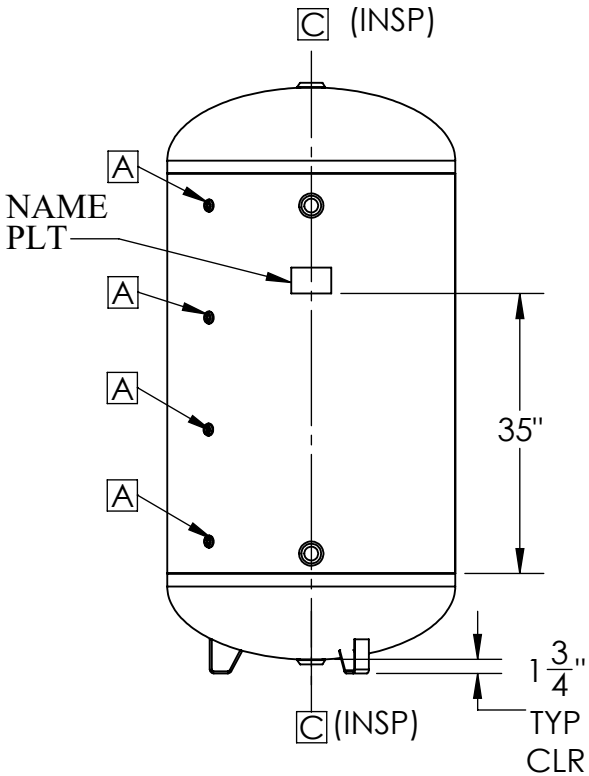
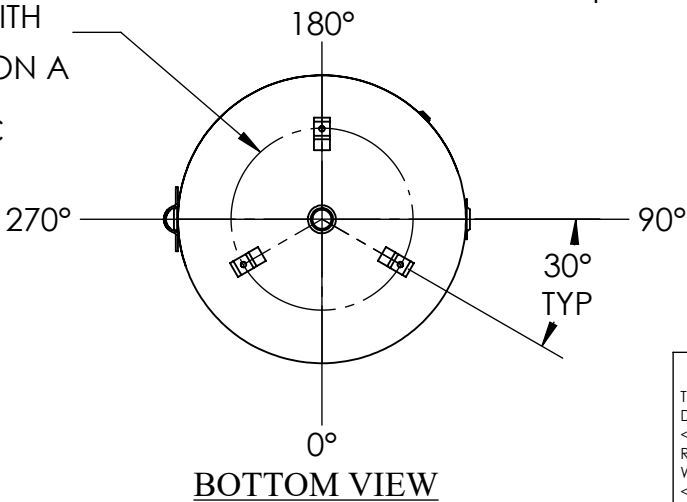
ID	SIZE	RATING	CONN. TYPE	SERVICE
A	1 1/2"	350#	BOSS, NPT	CUSTOMER CONN.
B	1 1/2"	350#	BOSS, NPT	CUSTOMER CONN.
C	2"	350#	BOSS, NPT	CUSTOMER CONN.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	THE JOHN WOOD COMPANY		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	S.R.	5/15/18	TITLE: 30" DIA ASME VERTICAL PRIMED STORAGE TANK		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV B TARR-22-006 B		
		MATERIAL	COMMENTS:					
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:12 WEIGHT: SHEET 1 OF 1					

- NOTES:**
1. MAWP (INTERNAL DESIGN PRESS.): 125 PSIG AT 500°F
MAWP (EXTERNAL PRESS.): =
MDMT: -20°F AT 125 PSIG
TEST PRESSURE: 163 PSIG HYDRO
EXTERNAL FINISH: PRIME (SPEC QA-01-005)
INTERNAL FINISH: PLAIN
2. TOLERANCE TO BE PER JW DWG #STD SP-103
UNLESS OTHERWISE NOTED.
3. VESSEL TO BE FABRICATED & STAMPED PER
ASME SECT VIII, DIV 1, LATEST EDITION
4. EST WT: 465 LBS EMPTY, CAP: 300 GAL NOM



REF, SUPPORT LEG,
TYP 3 PLCS, WITH
11/16" Ø HOLE ON A
22 3/4" Ø BC



3D VIEW

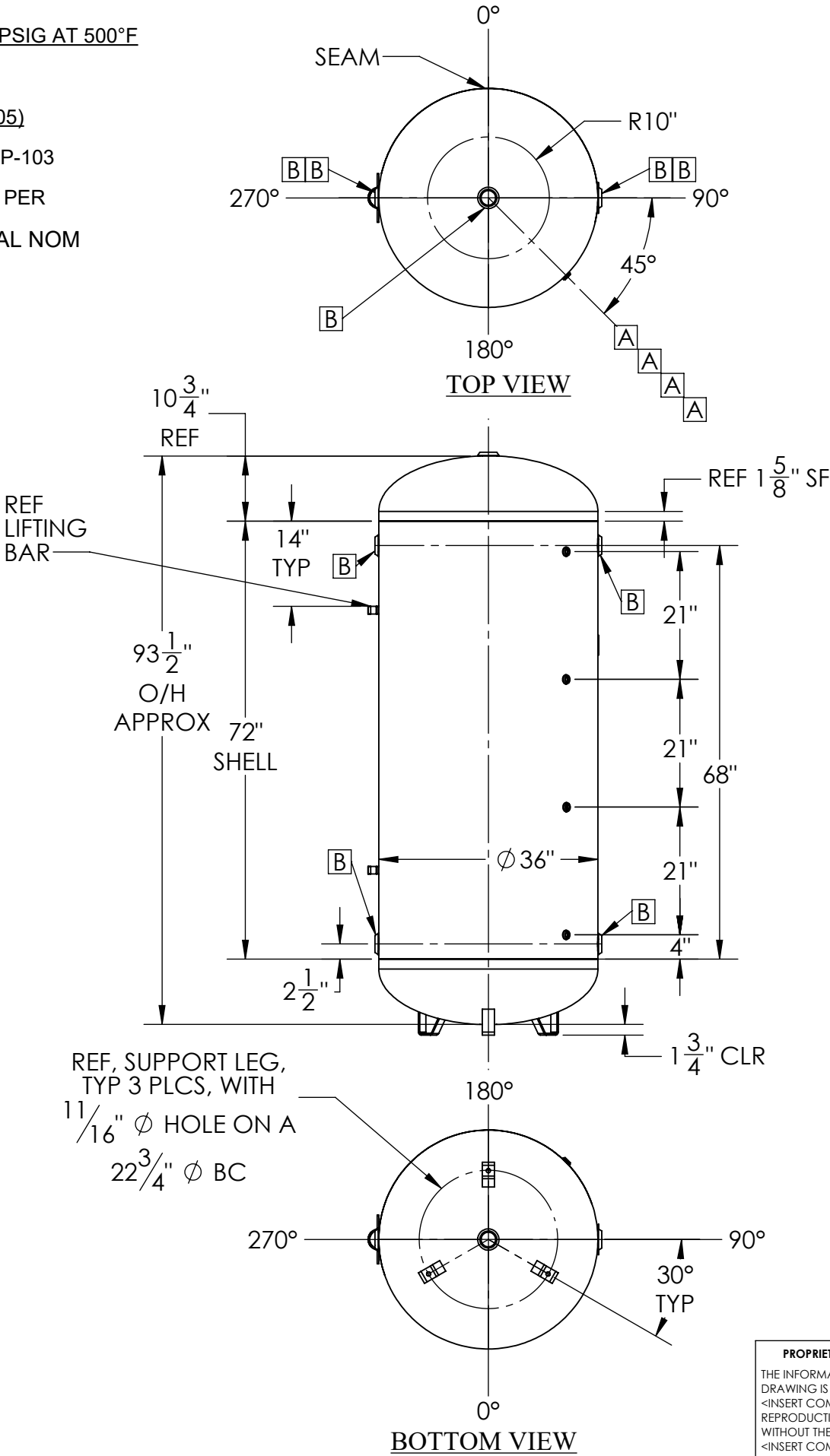
ID	SIZE	RATING	CONN. TYPE	SERVICE
A	1/2"	350#	BOSS, NPT	CUSTOMER CONN.
B	1 1/2"	350#	BOSS, NPT	CUSTOMER CONN.
C	2"	350#	BOSS, NPT	CUSTOMER CONN.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	THE JOHN WOOD COMPANY		
DIMENSIONS ARE IN INCHES		DRAWN	S.R.	5/15/18	TITLE: 36" DIA ASME VERTICAL PRIMED STORAGE TANK	
TOLERANCES:		CHECKED				
FRACTIONAL ±		ENG APPR.				
ANGULAR: MACH ± BEND ±		MFG APPR.				
TWO PLACE DECIMAL ±		Q.A.			SIZE DWG. NO. REV B TARR-24-009 C	
THREE PLACE DECIMAL ±		COMMENTS:				
INTERPRET GEOMETRIC TOLERANCING PER:						
MATERIAL						
FINISH						
DO NOT SCALE DRAWING		SCALE: 1:12		WEIGHT:	SHEET 1 OF 2	

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- NOTES:**
1. MAWP (INTERNAL DESIGN PRESS.): 125 PSIG AT 500°F
MAWP (EXTERNAL PRESS.): =
MDMT: -20°F AT 125 PSIG
TEST PRESSURE: 163 PSIG HYDRO
EXTERNAL FINISH: PRIME (SPEC QA-01-005)
INTERNAL FINISH: PLAIN
2. TOLERANCE TO BE PER JW DWG #STD SP-103
UNLESS OTHERWISE NOTED.
3. VESSEL TO BE FABRICATED & STAMPED PER
ASME SECT VIII, DIV 1, LATEST EDITION
4. EST WT: 600 LBS EMPTY, CAP: 400 GAL NOM

ID	SIZE	RATING	CONN. TYPE	SERVICE
A	1/2"	350#	BOSS, NPT	CUSTOMER CONN.
B	2"	350#	BOSS, NPT	CUSTOMER CONN.



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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		DRAWN	S.R.	5/15/18	TITLE: 36" DIA ASME VERTICAL PRIMED STORAGE TANK	
		CHECKED				
		ENG APPR.				
		MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.			SIZE DWG. NO. REV B TARR-24-011 C	
MATERIAL		COMMENTS:				
FINISH						
DO NOT SCALE DRAWING						
		SCALE: 1:12		WEIGHT:	SHEET 1 OF 2	