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On Hold!

Notes:

PULPING LINE MIX TANK A 330-TK-3322
TANK B 330-TK-3326

REV.	BY	DATE	DESCRIPTION
1	PJ	07/09/78	Revised Drawings And Resubmitted For Approval
0	PJ	04/13/18	Released Anchor Bolts And Templates For Fabrication
A	PJ	06/11/18	For Approval

REVISIONS

T BAILEY
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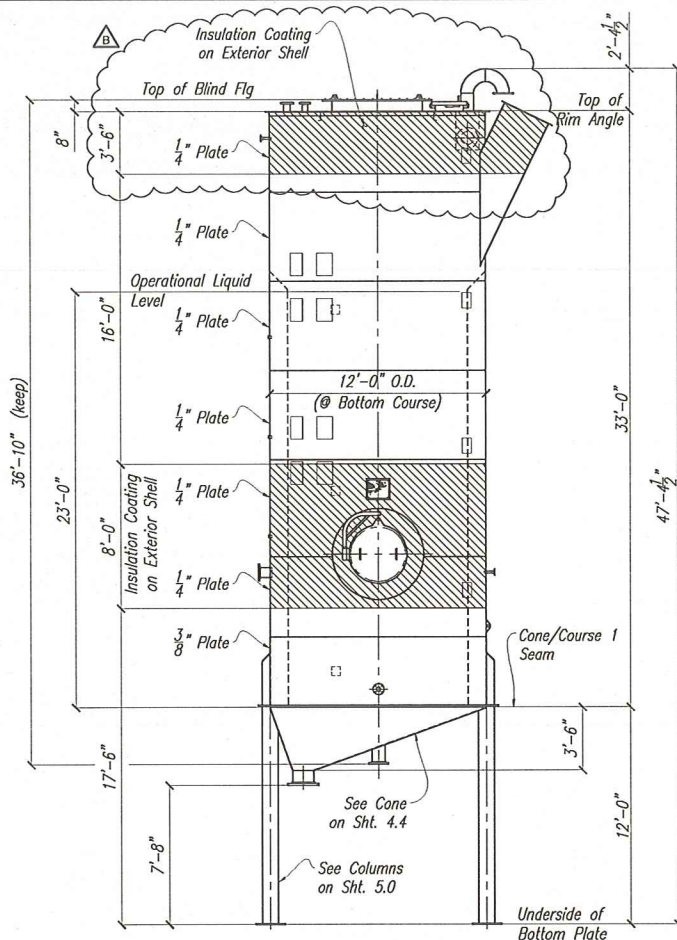
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DRAWN BY: PJ	DATE: 04/03/18	CHKD BY: TM	DATE: --/--
CUSTOMER: Columbia Pulp, LLC			12'-0" X 36'-10"
PROJECT: Lyons Ferry Straw Pulp Plant, Project # 15NA0050			
TITLE: Drawing List			
JOB#: 600-01-3322		SHT#: DL	





Tank Elevation View

Tank TK-3322

Notes:

PULPING LINE MIX TANK A 330-TK-3322
TANK B 330-TK-3326

REV.	BY	DATE	DESCRIPTION
B	PJ	07/09/18	Revised Per Approval, Resubmit For Approval
A	PJ	06/11/18	For Approval

REVISIONS

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VESSEL DATA

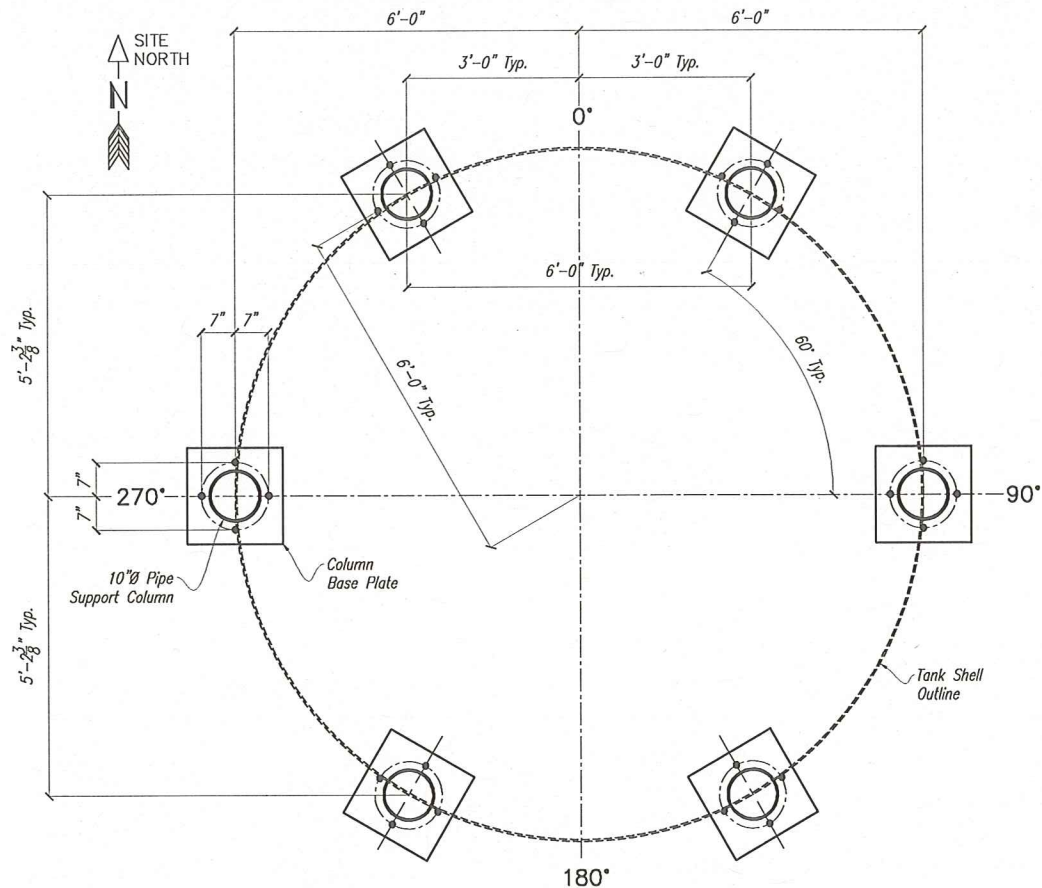
		VESSEL DATA		
DESIGN DATA	DESCRIPTION	12'-0" OD x 33'-0" H.		
	NUMBER REQUIRED	1		
	CAPACITY	25,500 GALLONS NOMINAL		
	DESIGN PRESSURE	PRODUCT HEAD @ SP. GR. = 1.0, MAX. = ATM. PRESSURE and MIN. = 1.7" W.C. VACUUM		
	OPERATING PRESSURE	ATMOSPHERIC + PRODUCT HEAD @ SP. GR. = 1.0		
	TEST PRESSURE	PER API 620 12th ED.		
	DESIGN METAL TEMPERATURE	18°F		
	MAXIMUM OPERATING TEMPERATURE	250°F		
	DESIGN TEMPERATURE	200 °F		
	JOINT EFFICIENCY	0.70 ON SHELL		
MATERIALS	CORROSION ALLOWANCE	0" ON SHELL, ROOF, BOTTOM		
	CODE & STAMP	PER API 620 12th ED. AS A GUIDELINE		
	ROOF LOAD	SNOW LIVE LOAD = 30 PSF ROOF LIVE LOAD = 25 PSF		
	SEISMIC LOAD	S _s = 0.330 g; S ₁ = 0.125 g; SUG-H; SITE CLASS=D		
	WIND LOAD	110 MPH (3 sec. gust - ULT)		
	SHELL	A240-316L		
	BOTTOM	A240-316L		
	ROOF	A240-316L		
	NOZZLE	NECK A312-TP316L	FLANGE A182-F316L	
	MANWAY	NECK A240-316L	FLANGE A240-316L	COVER A240-316L
CONSTRUCTION	REINFORCING PADS	A240-316L		
	PIPING	A312-TP316L		
	COUPLINGS	A403 GR. WP316L		
	BOLTING	BOLTS S5316	NUTS S5316	STUDS NONE
	GASKETS	1/8" THK Garlock Graph-Lock 312555		
	STRUCTURAL	A36		
	ELECTRODES	IN ACCORDANCE W/ API 620		
	STRESS RELIEF	NONE		
	CLEANING	BROOM CLEAN AFTER FABRICATION		
	SURFACE PREPARATION	N/A		
QUALITY ASSURANCE	INTERNAL PAINTING	N/A		
	EXTERNAL PAINTING	N/A		
	LINING	NONE		
	INSULATION	Prime: Carbazine 608HS, Finish: Carbotherm 551		
	LADDERS & PLATFORMS	NONE		
	CATHODIC PROTECTION	NONE		
	FOUNDATION	CONCRETE BY OTHERS		
	Q.A. MANUAL	-		
	MILL CERTIFICATIONS	REQUIRED ON PLATE		
	WELDERS	QUALIFIED PER ASME SECTION IX		
TESTING	WELDING	PER API 620 12th ED.		
	NON-DESTRUCTIVE TESTING	PER API 620 12th ED.		
	SPECIAL TESTING	RT 10% OF SHELL BUTT WELDS PER API 620 12th ED.		
		AIR PRESSURE TEST REPAIRS PER API 620 12th ED.		
	SHELL	PER API 620 12th ED.		
	BOTTOM	PER API 620 12th ED.		
	ROOF	PER API 620 12th ED.		

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DRAWN BY: PJ	DATE: 05/11/18	CHKD BY: TM	DATE: -/-/-
CUSTOMER: Columbia Pulp, LLC			
PROJECT: Lyons Ferry Straw Pulp Plant, Project # 15NA0050			
TITLE: Elevation And Notes For TK-3322			
JOB#: 600-01-3322		SHT#: 1.0	

B





Anchor Bolts Layout

Tank TK-3322 & TK-3326

Notes:

PULPING LINE MIX TANK A 330-TK-3322
TANK B 330-TK-3326

REV.	BY	DATE	DESCRIPTION
0	PJ	04/13/18	Released For Fabrication
A	PJ	04/05/18	For Approval
REVISIONS			

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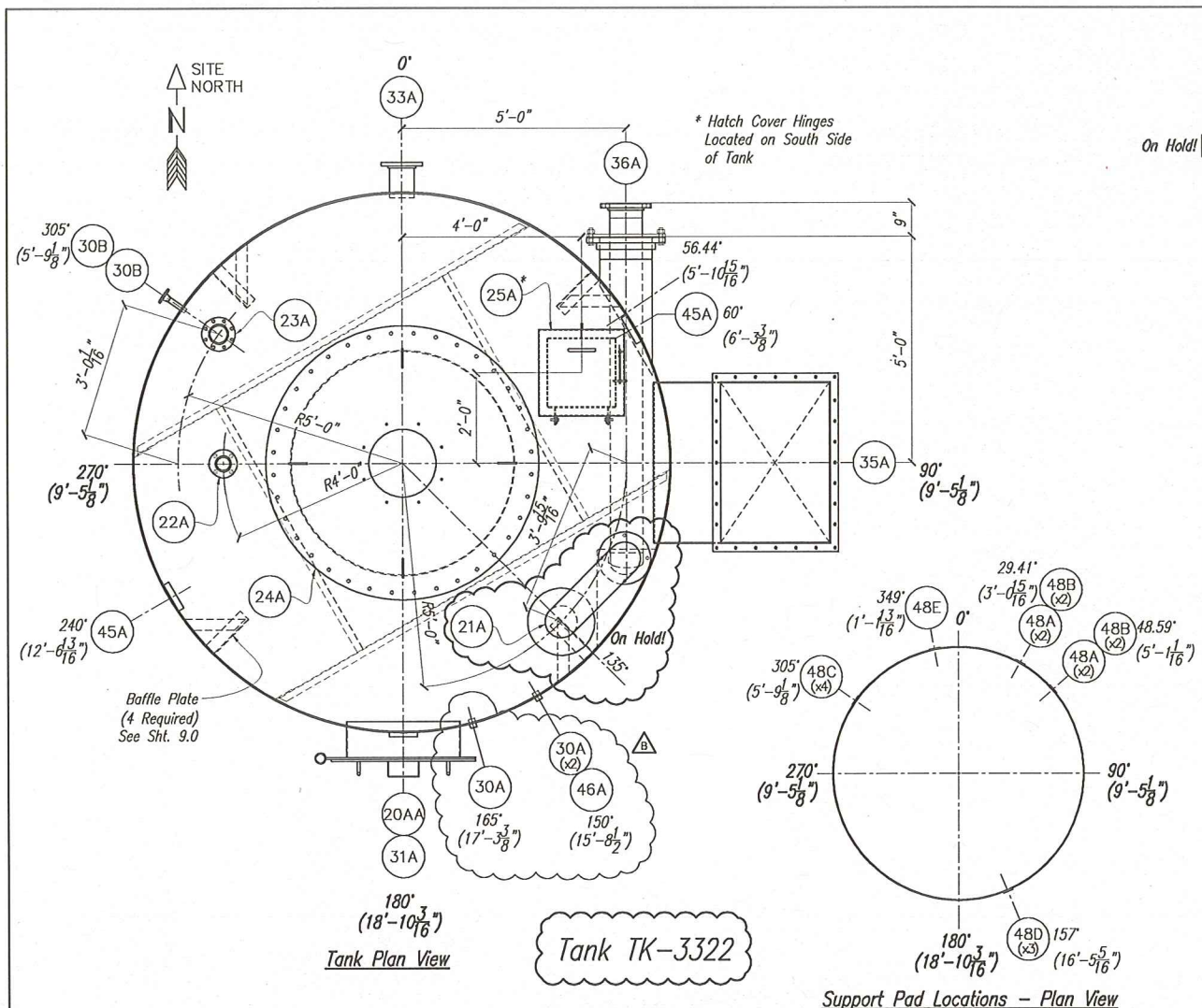
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DRAWN BY: PJ	DATE: 04/03/18	CHKD BY: TM	DATE: -/-/-
CUSTOMER: Columbia Pulp, LLC			12'-0" x 36'-10" H
PROJECT: Lyons Ferry Straw Pulp Plant, Project # 15NA0050			
TITLE: Anchor Bolts Layout			
JOB#: 600-01-3322		SHT#: 2.1	0



APPURTENANCE SCHEDULE

* FROM BOTTOM OF COLUMN BASE PLATE

ITEM	RADIUS	DEGREE	PROJ.	*ELEV.	APPURTENANCE
9A	Ins. Shell	See Sht. 9.0	---	See Sht. 9.0	(4) Baffle Plates @ 90° Apart
20AA	Shell	180°	8"	20'-6"	30" Shell Manway W/Davit & Nameplate (M1)
21A	5'-0"	135°	---	Roof	8" Gooseneck Vent (N7)
22A	4'-0"	270°	8"	Roof	3" Level Instrument With Blind (N6)
23A	5'-0"	305°	8"	Roof	4" Vent (to Oxidizer) (N14)
24A	---	Center	7 13/16"	Roof	60" Agitator With Blind (N13)
25A	---	See Plan	6"	Roof	18"x18" Inspection Opening w/Hinged Cover (M2)
27A	Bottom Cone	Center	---	8'-10"	8" Steady Bearing (N15) *
28A	Bottom Cone	0°	---	7'-8"	14" Pump Suction (N1) *
30A	Shell	150°	---	34'-0"	1" Temperature Instrument (N3)
30A	Shell	150°	---	23'-6"	1" Temperature Instrument (N9)
30A	Shell	165°	---	13'-0"	1" Temperature Instrument (N10)
30B	Shell	305°	6"	19'-6"	1" Peroxide Inlet (N8)
30B	Shell	305°	6"	43'-6"	1" Peroxide Inlet (N4)
31A	Shell	180°	Flush	13'-0"	3" Level Instrument (N11)
33A	Shell	0°	---	19'-6"	6" Steam Inlet/Sparger (N2)
35A	Shell	90°	---	See Elevation	Straw Inlet (N12)
36A	Shell	56.44°	---	43'-6"	14"/8" Pressate Inlet (N5)
45A	Shell	60°, 240°	---	---	Lifting Lugs (2)
46A	Shell	150°	---	16'-6"	Tailing Lug
48A	SHELL	48.59°	---	36'-6"	1/4"x12"x12" Support Repad (P1)
48A	SHELL	29.41°	---	36'-6"	1/4"x12"x12" Support Repad (P2)
48B	SHELL	48.59°	---	34'-0"	1/4"x12"x15" Support Repad (P3)
48B	SHELL	29.41°	---	34'-0"	1/4"x12"x15" Support Repad (P4)
48A	SHELL	48.59°	---	27'-6"	1/4"x12"x12" Support Repad (P5)
48A	SHELL	29.41°	---	27'-6"	1/4"x12"x12" Support Repad (P6)
48B	SHELL	48.59°	---	25'-0"	1/4"x12"x15" Support Repad (P7)
48B	SHELL	29.41°	---	25'-0"	1/4"x12"x15" Support Repad (P8)
48C	SHELL	305°	---	42'-6"	1/4"x10"x10" Support Repad (P9)
48C	SHELL	305°	---	34'-6"	1/4"x10"x10" Support Repad (P10)
48C	SHELL	305°	---	26'-6"	1/4"x10"x10" Support Repad (P11)
48C	SHELL	305°	---	18'-6"	1/4"x10"x10" Support Repad (P12)
48D	SHELL	157°	---	34'-0"	1/4"x6"x6" Support Repad (P13)
48D	SHELL	157°	---	24'-0"	1/4"x6"x6" Support Repad (P14)
48D	SHELL	157°	---	14'-0"	1/4"x6"x6" Support Repad (P15)
48E	SHELL	349°	---	13'-0"	1/4"x10"x10" Support Repad (P16)

* See Sht. 3.2 For Bottom Cone Nozzles

Notes:

- Dimensions are right & left from 0° @ outside bottom course
- 1" = 1/4" (1.2566")
- 5" = 6 5/16" (6.2832")
- Bolt Holes of Nozzles Flanges to Straddle Vertical Centerline
- Bolt Holes of Roof Nozzles Flanges to Straddle 90°/270° Centerline

PULPING LINE MIX TANK A 330-TK-3322
TANK B 330-TK-3326

REV.	BY	DATE	DESCRIPTION
B	PJ	07/09/18	Revised Per Approval, Resubmit For Approval
A	PJ	06/11/18	For Approval

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CERTIFIED FABRICATOR

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DRAWN BY: PJ DATE: 05/11/18 CHKD BY: TM DATE: ---

CUSTOMER: Columbia Pulp, LLC 12'-0" x 36'-10" H

PROJECT: Lyons Ferry Straw Pulp Plant, Project # 15NA0050

TITLE: Plan & Apps For TK-3322

JOB#: 600-01-3322 SHT#: 3.0

