Γ	energy		A	PI Std 6	50 Stor	age Tar	nk	Data	Sheet St	atus:	
					ata She	-				F	Page 1 of 10
*For bo	oxes marked with *, if blank, Mfr. Shall deter	mine and	submit as p	er Appendix	L. For all line	s, see Appen	dix L for line-	by line instruction	ons.		
GEN	ERAL Special Document	ation P	ackage R	equireme	ents:						
Mea	surement Units to be used in AP	I Std 65	50:	SI	US (Customar	y				
1.	Manufacturer*						Con	tract No.*	TBD		
	Address*										
	Mfg. Serial No.*		Year	r Built*		Edit	ion & Add	dendum to A	API 650*		
2.	Purchaser							Contract N	lo		
	Address										
	Tank Designation										
3.	Owner Operator						Location				
4.	Size Limitations*				Tanl	k Diamete	er	ft	Shell	Height	ft
	Capacity: Maximum*		bbl		Net Work	ing*		bbl	Criteria	a:*	
5.	Products Stored:										
	Liquid				Max.	S.G.:	at	d	eg		
	Blanketing Gas					Vapor Pr	essure	P	SIA at Ma	ax. Operating Tem	ο.
	% Aromatic Suppl.	Spec.				H2S	Service?	Suppl.	Spec.		
	Other Special Service Conditio	ns?		Sup	pl. Specs.						
DESI	<u>GN AND TESTING</u>				Purchase	er to Revi	ew Desigr	n Prior to Or	dering N	laterial	
6.	Applicable API Standard 650 A	ppendi	ces:*								
7.	Max. Design Temp.	deg		ign Metal	-		deg	Design Liqu	uid Level		ft.
	Design Pressure	_		ernal Pres			Pres	ssure Comb	ination Fa	actor	
	Maximum Fill Rate				nptying Ra	ate		-			
	Floatation Considerations?			Suppl. Sp				Applied S		·	
8.	Seismic Design? Append	-		Seismic C						ic Use Group	
	MBE Site Class	_	ical Seisn	nic Desigr	ı?	Vertical	Ground N	lotion Acce	lerator Av	v:	
	Basis of Lat. Accel. (Select one	•				_					
	Mapped Seismic Paramet	ers	Ss	S1		So	I				
	Site-Specific Procedures			Design R	equired?						
	Other (Non-ASCE		-	De de et	Outon Dia						
	Freeboard Required for SUG 1					g?*					
9.	Wind Velocity for non-U.S. site	es, 50-y	r wind sp	eed (3-se				mph	T 14		
	Top Windgirder Style*		Into	rmadiata	Windgird	ensions*		0	-	/G as a Walkway?	
	Intermediate Wind Girders?* Check Buckling in Corroded Co		inte	rmediate	windgird	er Style			Dime	nsions*	
10	-		Variat		t Mthd?*			nal N4+hd7*			
10.	Shell Design: 1-Ft Mthd?						•	nal. Mthd?*			
	-		e Stacked		-	h-Stacked			Number		
	Plate Widths (in.) (Shell course	-	is) and Tr		s (in.)* Ni			cate Course			
1	1. <u>x</u>	2. 6		x		3. 7.	X		4. •	X	
1	5. <u>x</u> 9. x	6. 10		x			x		8. 12	x	
1	9. x 13. x	10. 14.		x		11. <u> </u>	x		12. 16.	x	
1	Joint Efficiency* %	-	-to-Rotte	x om Weld	Type*	тэ. <u> </u>	X	Shell-to Po		x ld Insp Mthd*	
Appr		visions		/date)	iyhe			Snell-to-во Title:			
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11.	Open-Top and Fixed Roofs:	(See Shee	et 6 for Fl	oating Ro	ofs)	Op	en Top?*				
	Fixed Roof Type*			Roo	f Support (Columns*					
	Cone Slope* :	Dome or	Umbrella	a IS Radiu	S*	in	Wel	d Joints*			
	Seal Weld Underside of Lap	Joints?		; Seal	Weld Und	lerside of	Windgird	er Joints?			
	Gas Tight? Join	t Efficiend	:y*	%	Roof Thic	kness*		in			
	Minimum Roof Live Load		psf	Balanced	l Snow Loa	d	psf	Unbalanc	ed Snow Load		psf
	App. Suppl. Load Spec.*					Column	_ateral Loa	ad			_
	Normal Venting Devices*:	Qty	-	Гуре							_
	Emergency Venting Devices	s*: Qty		Гуре							
	For Non-Frangible Roofs: Se	eal Weld I	Roof Plate	es to Top /	Angle IS		; Weld Ra	afters to Roof F	Plates		
	Roof-to-Shell Detail*				Radial F	rojectior	of Horizo	ontal Compone	ent*		
12.	Bottom: Thickness*		in St	:yle*			Slope*	:	Weld Joint*		
	Provide Drip Ring?	Alte	rnate Spe	ec.			• •		-		
	SK/Ann. Ring?	Annular F	Ring: Min	imum Rad	dial Width	k	in.	Thickness*	in.		
13.	Foundation: Furnished	By*				Ту	/pe*	-			
	Soil Allow. Bearing Press.*		psi	Per S	pec.			Anc	hor: Size	Dia Qt	у
	Design Loads: Base Shear:	Wind*		Seis.*			Moment:	Wind*	Se	is.*	
	Ring Forces: Shell+Roof We	eight Ne	w*	-	Corroded	*	Roof	LL*	Internal Pr	essure*	
	Partial Vacuum*	W	ind*		Siesr	nic*					
	Btm Forces: Flr Wt. N	ew*	C	orr.*	Pr	od. Wt.*		Water Wt.*	Int	. Press.*	
	Partial Vacuum*	Oth	er Found.	Loads*				Min. Proj. o	f Found. Abov	e Grade:	
14.	Responsibility for Heating V	Vater, if R	equired?								
	Hydro-test Fill Height*		Sett	lement M	leasure Re	q'd?	Exte	nded Duration	of Hydro-test	:	
	Predicted Settlement Profil	e is Attac	hed								
	Responsibility for Setting W	'ater Qua	lity				Suppl. Te	st Water Qual	ity Spec.		
	Test Water Source & Dispos	sal Tie-in	Locations					I	Hydro-test App	pendix J Tan	k
	Post-PressTest Activities R	eq'd of N	1fr:	Broom C	lean	Pc	table Wat	ter Rinse	Dry Interior	Other	
	List Other										
15.	Inspection by: Shop					Field					
	Supplemental NDE Respons	sibility				Supplem	ental NDE	Spec.			
	Positve Material Identificati	ion?		PMI Requ	irements:						
	Max. Plate Thickness for Sh	earing		_							
	Must Welds not exceeding	.25" be N	lulti-Pass	?		Must We	elds greate	er than .25" be	e Multi-Pass?		
	Leak Test Method: R	oof*		Sł	nell*		Shel	l Noz./MW Rei	in. PL*		_
	Bottom*		Floating	Roof Com	ponents*						
	Modify or Waive API Dimer	isional To	lerances	(see 7.5)		Specify:					
	Specify additional Tolerance	es, if any,	and Circu	umferenti	al and Ver	tical Mea	surement	Locations:			
	Allowable Plumbness:		Mea	asure and	Record at	a Min. of		Locations or E	very	ft around th	е
	Tank , at the Follo	wing Heig	ghts:				Speci	fy Other:			
	Allowable Roundness:*	**	Mea	asure Rad	ius and Re	cord at a	Min. of	Loca	tions or Every	ft	
	around the Tank,	at the Fol	lowing Sh	ell Height	s:			S	pecify Other:		
	** See Data Sheet Instruction	ons for th	e Maxim	aum Allov	vable Addi	tional Tol	erance				
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 16. 17. 18. 19. 20. 21. 22. 	Coatings: Internal Linings by: External Coating by: Under-Bottom Coating by: Cathodic Protection System Leak Detection System? Release Detection Barrier? Tank Measurement System By:* Weight of Tank: Full of Water* References*:	Pe : Requ	Per Sp er Spec.* Per Sp uired? Empty*	ec.*	F	P			 Spec		
23.	Remarks*:										
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			Table 1	I MATERIALS	OF CONSTRUCTION		
Compo	nent	Materi	ial*	C.A. (in.)	Component	Material*	C.A. (in.)
Shell Course	to				Manhole Necks		
Shell Course	to				Nozzle Necks		
Shell Course	to				Manhole Flanges		
Shell Course	to				Nozzle Flanges		
Shell Course	to				Manhole Covers		
Roof					Nozzle Covers		
Bottom					Manhole Gaskets		
Annular Ring					Nozzle Gaskets		
Anchor Attachm	ents	Τ			Internal Piping		
Reinforcing Pade	s				Wetted Structurals+		
					Non-Wetted Struct.+		
			Ta	able 2 BOLTS	and ANCHORS		
Flange B	Bolts	Head Type*	Mate	erial*	Nut Material*	Thread Series*	C.A. (in.)
Flange Bolting++	r						
Structural Boltin	g++						
Misc. Bolting++							
Anchor Bolts++							

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	Table 3 NOZZLE and MANHOLE SCHEDULE*													
	Bottom													
Mark	Service	Diamet (in)	ter	De	pth (in)	Thk (in)	Hor Rad(in)	"x" Dim	"y" Dim	Azimuth (deg)		Notes		
						She								
Mark	Service	Nom. Dia.	Wa Th		Flange Type	Flg Cl. or Thk	Hillside	Offset (in)	Elev. (in.)	Azimuth (deg)	Proj. (in)	Trim Flush	Notes	
					-									
Note	s:		<u> </u>											
		T												
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	Table 3 NOZZLE and MANHOLE SCHEDULE* (cont'd)												
					Roc	of							
Mark	Service	Nom. Dia.	Wall Thk	Flange Type	Flg Cl. or Thk	Vert or Radial	Horz Rad(in)	Slope Dim(in)	Azimuth (deg)	Proj. (in)	Trim Flush	Notes	
Note	s:												
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OTHE	R TANK APPURTEN	NANCES										
24.	Platform: Top	:	Roof:	Inter.	C)ther	Spec	ify Other				
	Platform	n Mater	ial	•	Walk. Su	rface	-	Finish				
	Stairs: Type	e		Specify O	ther				Min. V	Vidth (in)		
	Min. Tread	d t	Max.	Rise		Tread Sur	face		Tread N	lose		
	IS Rail	HF	R Height (in)		HR	Туре		Spec. O	ther		Finish	
	Handrail:	Туре		Spec. O	ther		I	HR Heigh	t (in)	Finish		
	Architectural/Str	uctural s	Specs*	•			Na	tional Saf	ety Stand	ards		
	Gauger's Platforr	n Req'd	?	Qty. Re	q'd*	P	er Spec.*					
25.	Jacket Req'd?*	-	Other He	eaters/Co	olers Rec	ı'd?*						
	Suppl. Jacket, He	ater or (Cooler Spece	5.*			-					
26.	Mixer/Agitator:		uantity		Size	P	er Spec.*					
27.	Insulation:	Roof		Thick		Mat'l				Per Spec.		
			Req'd?	Thick		- Mat'l				Per Spec.		
	Purchase		·	•		_ lation By:				·		
28.	Struct. Attachme	· -	Lifting Lu	gs?*		cription*						
	Shell Anchorage?		Type*	-	•	Specify O			S	caffold Cable S	Support?	
29.	Other Items:		Drain?	Туре			Specify O	ther		Size		
			Cleanout?	•	Size			Specify O	ther			
			d. Lugs?	Qty		Туре	•		Mat'l			
	Waive Applicatio		-						-			
	Miscellany #1				-		Miscellar	יע #2				
	Miscellany #3	-					Miscellar	-				
	Miscellany #5						Miscellar	-				
								.,				
				Та	ble 4 OTI	HER TANK	APPURTE	NANCES	*			
Ma	ark Qty	Ser	vice or Desc			Size	Orientat		evation	Material	Remark	S
Rom	narks:											
nen	101 KS.											
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FLOA	TING ROOF DATA											
30.	Floating Roof Selection:											
	Design Basis: Appendi	хC	aqA	endix H								
	0 11	ternal or	-		eck Ponto	on*	Doub	ole Deck*				
	(Internal Only):	Tubular F	ontoon*		Metalli	c Sandwid	h Panel*	Othe	r			
		Specify O	ther				Suppl. S	pec.:	—			
31.	Seals:											
	Primary Seal: Shoe		Envelope		Wiper/Co	mp Plate	0	ther	Specify Oth	er		
		Mfg. Std.	C	ther	Spec	ify Other						
	Electrically Isolate Mechani	-				-	ers Requi	red?				
	Nominal Shoe Thick.*			Carbon S	•							
	Secondary Seal: Shoe		Envelope	w	'iper	None	0	ther	Specify Oth	er		
32.	, Data for All Floating Roofs:				·				. ,			
-	Overflow Openings in Shell		ole?	SI	hell Exten	sion	Ro	of Drain Cheo	ck Valves Rec	juired?		
	Roof Drain Isolation Valves	-						ns Req'd?				
	Roof Drain to Ext. Noz.:	•	Std.	-	Flex Pipe		/el/Rig. Pi	·	 Other	···		
	Foam Dam Supplem	nental Spe		-				·				
	Nominal Deck Thick. (in)			ulkhead T	op Edges	to be Liq	uid-Tight	- Seal-we	ld Underside	of Roof		
	Electrical Bonding: Sh	unts	_ Cables	Sup	plementa	l Spec.						
	Qty of Non-Guide Pole Gau	ge Wells	-		Qty of Sa	mple Hat	ches					
	Guide Pole for Gauging?	S	lots in Gu	ide Pole?	C)atum Pla	tes?	Striking Pl	ates?			
	GP EmmisLimit. Devices:		Sliding C	over	Pole W	iper	Float	- Float \	Niper	Pole Ca	р	
	Qty of Roof Manholes*		Mir	nimum Hig	gh Roof Cl	earance a	above Bot	tom				
	Removable Leg Storage Rad	cks?	-	; Leg Sle	eves	Fixed	Low Legs		_			
33.	Additional Data for Externa	I Floating	Roofs:									
	Weather Shield?	Suppl. Sp										
	Rolling Ladder Req'd?		Field Ad	justable L	egs?			-				
	Design Rainfall Intensity		In/Hr	Based or	na	Min	ute Durat	tion Associate	ed with the		Storr	n
	Design Accumulated 24-Ho	ur Rainfa	-	in	Base	ed on the		Storm				
	Distortion and Stability Det	erminatio	ons Requi	red?	Sup	ol. Spec.		•				
	Landed Live Load*	lbs										
Ren	narks:											
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34. Additional Data for Internal	Flaoting I	Roofs:									
Two Position Legs?	-		ed Roof?	Fixe	d Roof Ins	spection I	Hatches Requir	red?			
Internal Roof Drain Require							ng Uniform Liv				
Corrosion Gauge Required?							-				
Modified Minimum Point Lo											
Mfr To Leak Test*						i	in Erected Posi	tion U	nknown+	+	
Roof Erector's Floatation Te										Req'd	
Floatation Test Media:									ecify Oth	er –	-
Floatation Test : Test				ill Height					,		-
Flotation Test Items provide	ed by Purc				None		List Attached				
Responsible Party for Inspe	-						•				
				OATING I							
Component	Mat	'l/Thick.*	C.A	A./Coat.*		Compor	nent	Mat'l/	Thick.*	C.A.	/Coat.*
Deck Plate					Datum Pl	late					
Inner Rim Plate					Tubular F	Pontoon					
Outer Rim Plate					Pontoon	Bulkhead	k				
Foam Dam					Submerg	ed Pipe					
Sandwich Panel Face Plate					Guide Po	le					
Sandwich Panel Core					Seconda	ry Seal					
Gauge Well					Seconda	ry Seal Fa	bric				
Drain Sumps					Wiper Tip						
Opening Sleeves					Wax Scra	iper					
Floating Suction Lines					Weather Seal						
Primary Fabric Seal					Envelope Fabric						
Foam Log Core					Shoe Mechanisms						
Landing Legs					Primary Seal Shoe						
Landing Leg Bottom Pads					Removable Covers						
Manhole Necks					Rolling Ladder						
Vents					Inlet Diffusers						
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Tank Plan and Sketches:

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