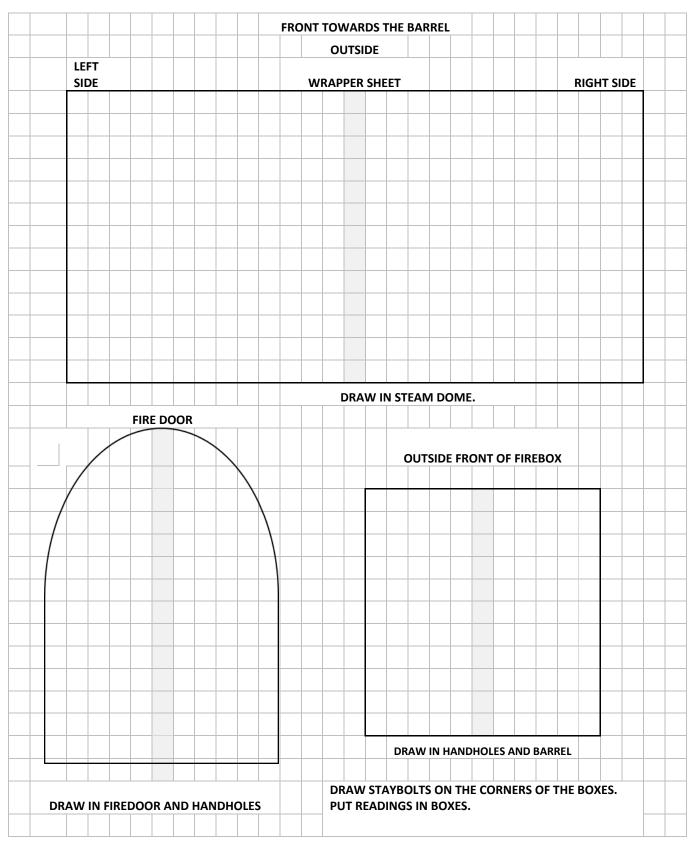
BOILER INFORMATION

NC NO:	DATE:	
Barrel: Minimum Thickness Thick	kness Used in Calc	MAWP
Stayed Surfaces: Minimum Thickness	Thickness Used in Calc	MAWP
Maximum pitch of staybolts in firebox	Minimum Thickness	of Tubesheet
INSPECTION INTERVAL:	INITIAL	RECURRING
INSPECTOR NAME:	INSPECTOR SIGNATURE:	
Make and Model of UT Thickness Tester		
Serial Number of UT Thickness Tester		
Calibration Standard Used		
Name of Tester		
Signature of Tester		
Date of Testing		

Measurements:	
Barrel Diameterin.	
Tubes: O/S Diameterin. Length Quantity	
Firebox: Widthin. (Front to Back) Heightin. (Top of grates	s to Crownsheet)
Or, Diameterin. Lengthin. Staybolt Pitch	in.
Firebox Tubesheet: Widthin. Heightin. Staybolt I	Pitchin.
Crownsheet: Widthin (Side to Side) Lengthin. (Front to Back)	
Comments	

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	DESCRIPTION	ACC	REJ	REMARKS		
#1	ULTRASONIC THICKNESS TESTING At a minimum, UT testing is required during the Initial Certification and at Interval 5 for the Historical Boiler inspection cycle. This procedure should be used whenever it is necessary to test the thickness of metals for Steam Locomotive and Historical boilers in addition the minimum requirements.					
	The following table shall be used to record thickness readings. The table will be retained for comparison during future inspections. Has the table been completed?			ininium requirements.		
	Have the personnel performing the UT thickness testing been accepted by the jurisdiction?					
	Have the equipment, calibration standard and operator been recorded at the end of the table?					
	When calculating MAWP and areas of general thinning are found or where grooved thinning is found the followings rules apply, were the guidelines followed?					
	1. Use readings in an area of generalized thinning if it exceeds 3" in diameter.					
	2. Use readings in an area with grooved thinning when it exceeds 2".					
	 The number of readings taken for the <u>initial</u> testing of <u>staved</u> areas shall be taken and recorded on a grid not exceeding the maximum staybolt pitch. 1. Additional readings may be taken around each staybolt to determine if localized thinning has occurred. Was this necessary? 2. Particular attention should be given to the joint between the staybolt and the plate. Were any thinning areas found in these locations? 					
	The number of readings taken for the <u>initial</u> testing of <u>un-stayed</u> areas shall be taken and recorded on a grid not exceeding 12". Additional reading should be taken if conditions warrant. Was the 12" maximum grid adhered to?					
	<u>Recurring</u> UT testing shall be performed by randomly checking 10% Areas of thinning identified during previous inspections should be given particular attention. Is the recurring testing?					



	FRONT TO	WARDS THE BARREL	
	INSI	DE FIREBOX	
LEFT SIDE	CRO	WN SHEET	RIGHT SIDE
			INSIDE FRONT OF
INSIDE FIREDOOR WALL			FIREBOX
DRAW IN FIREDOOR AND			
HANDOLES			DRAW IN BARREL

