



# UPF PIPE SUPPORT INSPECTION RECORD

Work Package No.: \_\_\_\_\_

Task No.: \_\_\_\_\_

<b>DMC NO.:</b>		<b>DATE:</b>		
<b>WORK PROCESS:</b> PIPE SUPPORT		<b>IR number:</b>		
<b>PROJECT NUMBER:</b>		<b>PROJECT NAME:</b>		
<b>QUALITY LEVEL:</b> <input type="checkbox"/> Q <input type="checkbox"/> RS <input type="checkbox"/> CC				
<b>BLDG/AREA:</b>		<b>LOCATION:</b>		
<b>LINE NUMBER:</b>		<b>ISO NUMBER:</b>		<b>REV.:</b>
<b>PIPE SUPPORT NUMBER:</b>		<b>SYSTEM NUMBER:</b>		
<b>DESIGN DOCUMENTS:</b>				
1)		4)		
2)		5)		
3)		6)		
	<b>INSPECTION DESCRIPTION</b>	<b>RESPONSIBILITY</b> (* N/A, where Inspection Description is not applicable)		
		<b>FE Initial/Date *</b> (Pre-Inspection)	<b>Accept/Reject</b> (A or R)	<b>QCE/PI/FE Initial/Date *</b> (Final Inspection)
1	Verify Pipe Support identifying number matches design documents			
2	Pipe support and accessories protected from and free of any damage			
3	Pipe support configuration and spacing/location is within nominal tolerance in accordance with design requirements			
4	Materials in accordance with design requirements			
5	Verify manufacturing parts/components are per the manufacturer's instructions. (Not different brand names mismatched or sizes mismatched.			
6	Welding and NDE complete and correct per design prior to paint touchup.			
7	Verify beam stiffeners are installed as required			
8	Visually check anchor bolt installation for proper edge distance, angularity and bolt tightness			
9	Visually check bolted connections, ensure all plies are thoroughly compacted, and any retaining pins, lock nuts are in place and secure			
10	Verify installed swing angles are equal to or less than five (5) degrees for rod hangers on non-critical systems			
11	Inspect hydraulic snubbers for integrity or leakage			
12	Verify that hanger mark numbers as depicted on the spring can(s) and hanger assemblies are correct .			
13	Verify that the spring can(s) load/displacement scale is present and oriented correctly.			
14	Verify cold settings on spring cans and target is aligned with cold setting			
15	Inspect spring cans to ensure pins/travel stops are in place and firmly secured prior to hydrostatic testing			
16	Verify u-bolts are either loose-fit or snug in accordance with design documents			



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Task No.: \_\_\_\_\_

	INSPECTION DESCRIPTION (continued)	RESPONSIBILITY (* N/A, where Inspection Description is not applicable)		
		FE Initial/Date * (Pre-Inspection)	Accept/ Reject (A or R)	QCE/PI/FE Initial/Date * (Final Inspection)
17	Verify that slide plate assemblies are present if specified, installation offsets are maintained where applicable, and specified slide material and/or lubricant has not been damaged during installation.			
18	Check integrity of slide plates and ensure plates are nominally parallel and have not been distorted by welding or installation, check bearing of slide plates to verify full contact between the two plates/member or bearing contact as indicated by design output			
19	Verify dissimilar metal contact between process line and hanger is in accordance with design output (Raw carbon steel surfaces are not in contact with stainless steel pipe).			
20	Verify clearances exist around the pipe for thermal movement and growth, and that the location of the support does not interfere with existing installed items.			
21	Verify installed gaps and direction in the cold condition is within nominal tolerance specified in design documents			
22	Check pipe to support clearances per design drawing and record as found dimensions; Direction: (+,-), +X is perpendicular to pipe left of flow direction, +Y is vertical upward, and +Z is along the pipe axis in direction of flow. Example; X= (+1/8, -0) or (+1/16, -1/16)  <b>NOTE:</b> Record as-found gaps at Final Inspection only.  X= _____ Y= _____ Z= _____			
23	Verify clearance requirements for adjacent supports have not been disturbed upon completion of step no. 17.			
24	Verify that approved lubricants have been applied as required by design output.			
25	Verify that areas which are designated to be free of grease and oil have been cleaned or wiped down if present.			
26	Ensure pipe support components are not installed over circumferential pipe weld.			
27	If line balancing is required, at the design cold load, a general process is delineated in Section 5.5. <input type="checkbox"/> YES <input type="checkbox"/> NO			
<b>Comments:</b>   				
<b>Print and Sign below</b>				
FE Inspection Performed by:				DATE:
QCE/PI Inspection Performed by:				DATE: