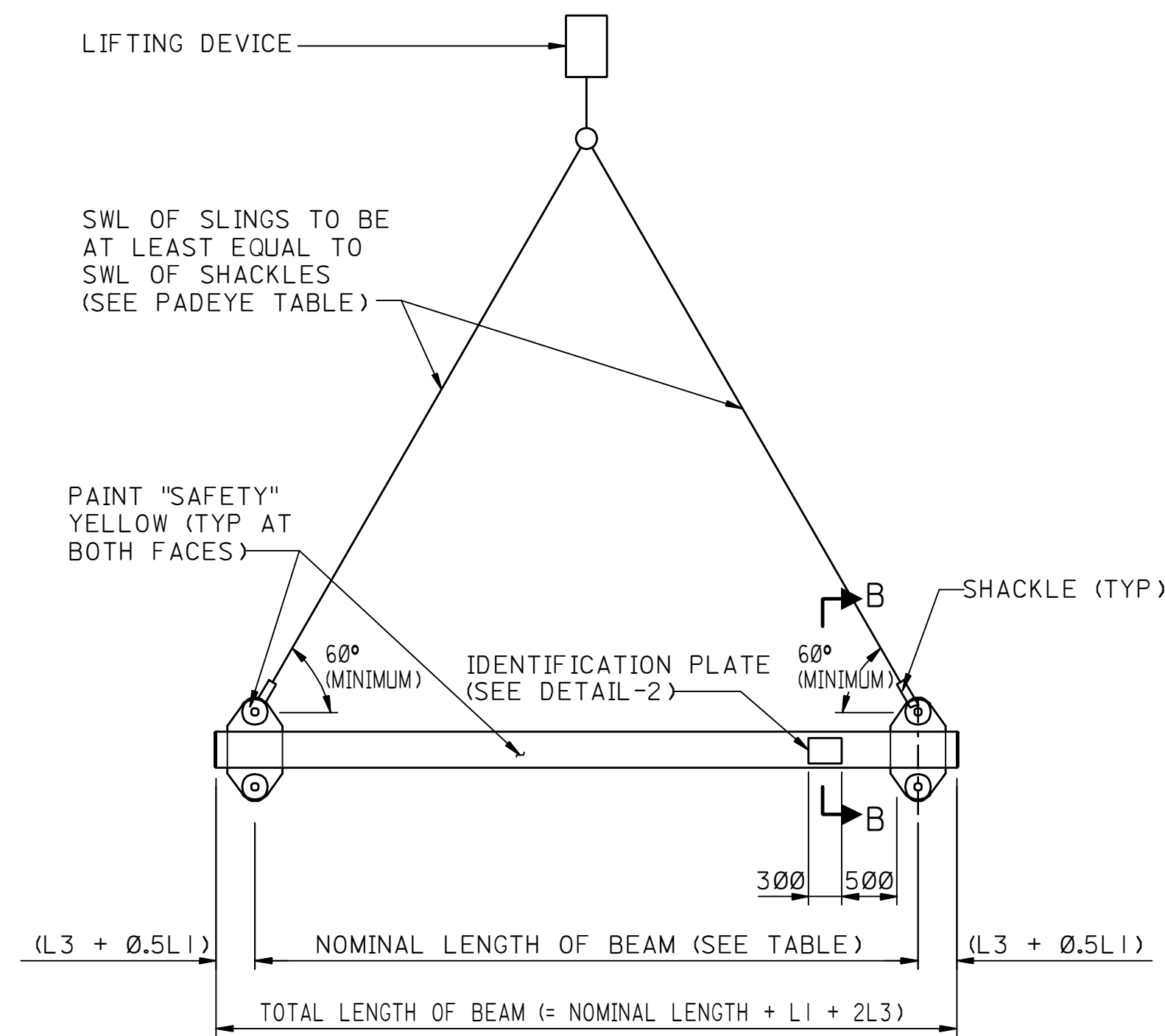
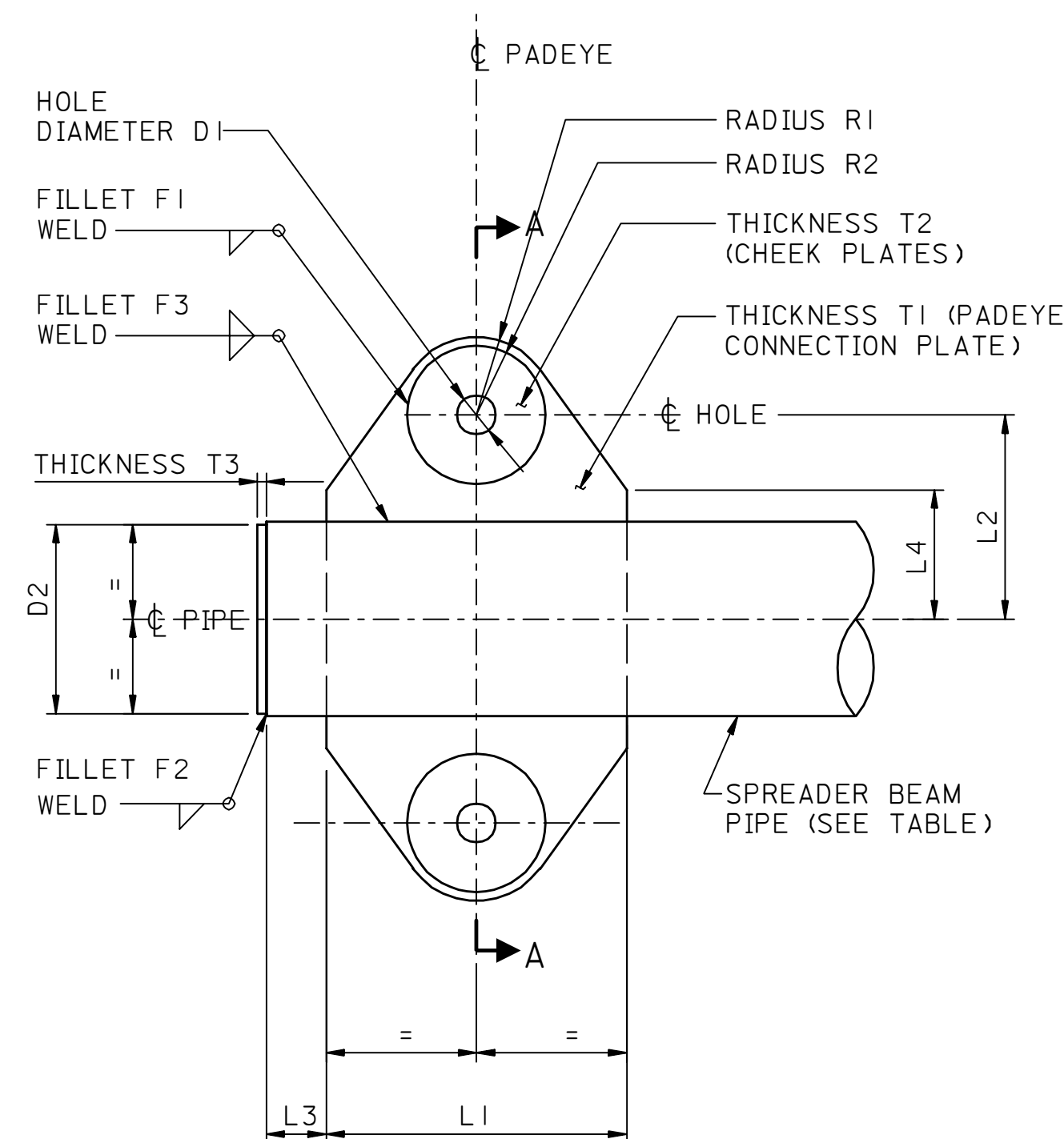


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PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.

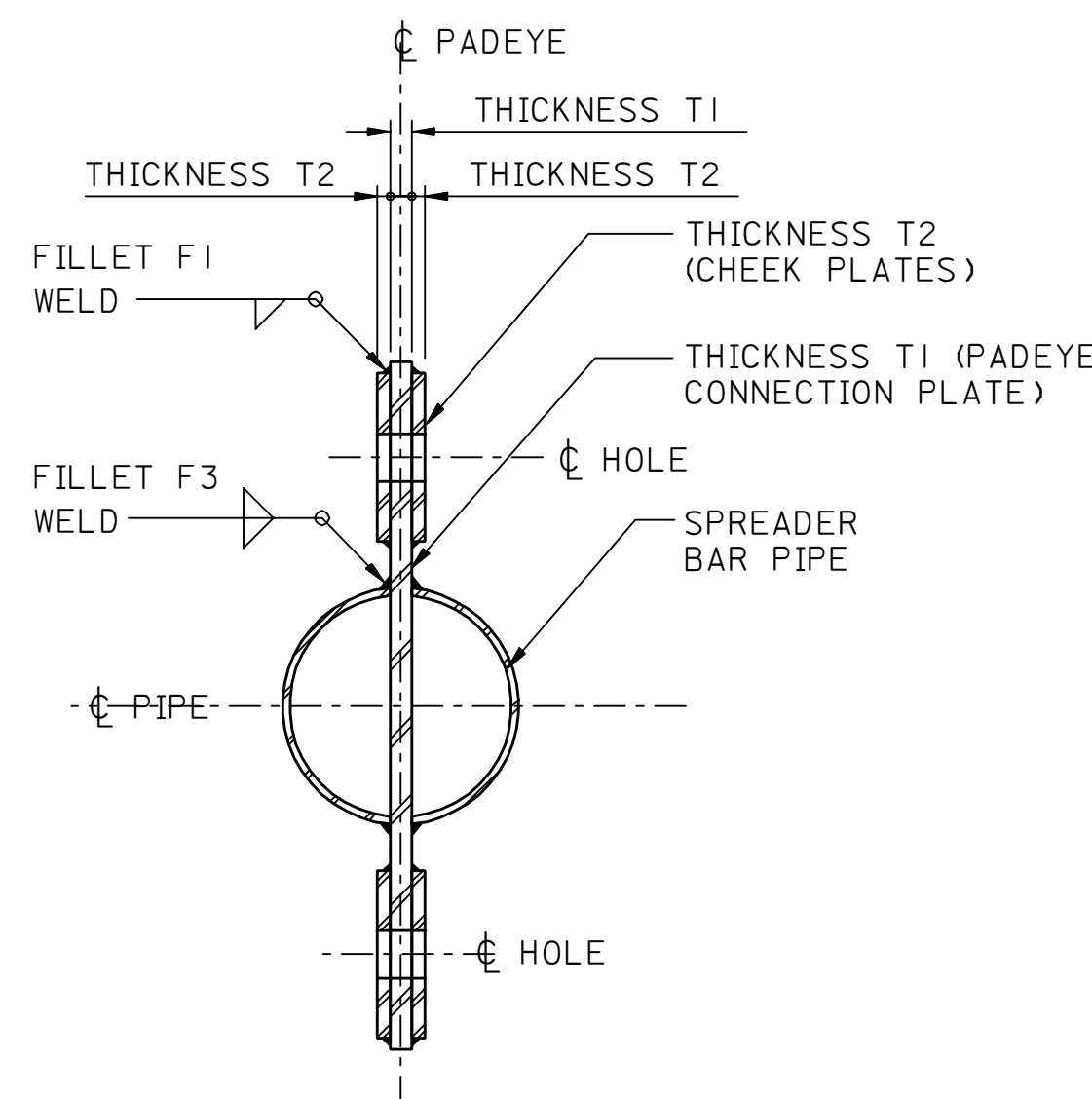


SPREADER BEAM (SEE TABLES)

SCALE 1:50



DETAIL
SCALE 1:10



A SECTION
SCALE 1:10

- ## NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 2. STEEL PLATES AND BEAM SHALL BE ASTM-A-36 AND COMPLY WITH THE PROVISIONS OF 12-SAMSS-007.
 3. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS-D1.1.
 4. SPREADER BEAM SHALL BE SANDBLASTED AND PAINTED WITH SAFETY YELLOW COLOR IN ACCORDANCE WITH SAES-H-101 APC5-4. SEE NOTE 9 BELOW.
 5. ITEMS SUCH AS SHACKLES AND SLINGS SHALL BE CERTIFIED AND APPROVED BY SAUDI ARAMCO REPRESENTATIVE BEFORE USE.
 6. PRIOR TO INITIAL USE OF THE SPREADER BEAM THE RATED LOAD/SERVICE LOAD SHALL BE TESTED BY THE CONTRACTOR AND WITNESSED BY THE VENDOR INSPECTION UNIT, CRANE INSPECTION AND LOSS PREVENTION, OAHARAN TO CONFIRM THE PROOF LOAD CAPACITY. TEST LOAD SHALL BE 125% OF THE RATED LOAD AS SPECIFIED IN THIS DRAWING. INSPECTION AND LOAD TEST FOR THE SPREADER BEAM SHALL BE AS PER THE REQUIREMENTS SPECIFIED IN THE ASME B30.20 AND G1 7.030, SECTION 3.4.
 7. THE DESIGN OF SPREADER BEAM IS BASED ON ASME-B-30.20-1993.
 8. PRIOR TO PAINTING, NON DESTRUCTIVE TESTS OF WELDS AND STEEL SHALL BE DONE AND RESULTS BE DOCUMENTED THE NDT/VISUAL INSPECTION REPORTS SHALL BE SUBMITTED TO SAUDI ARAMCO REPRESENTATIVE.

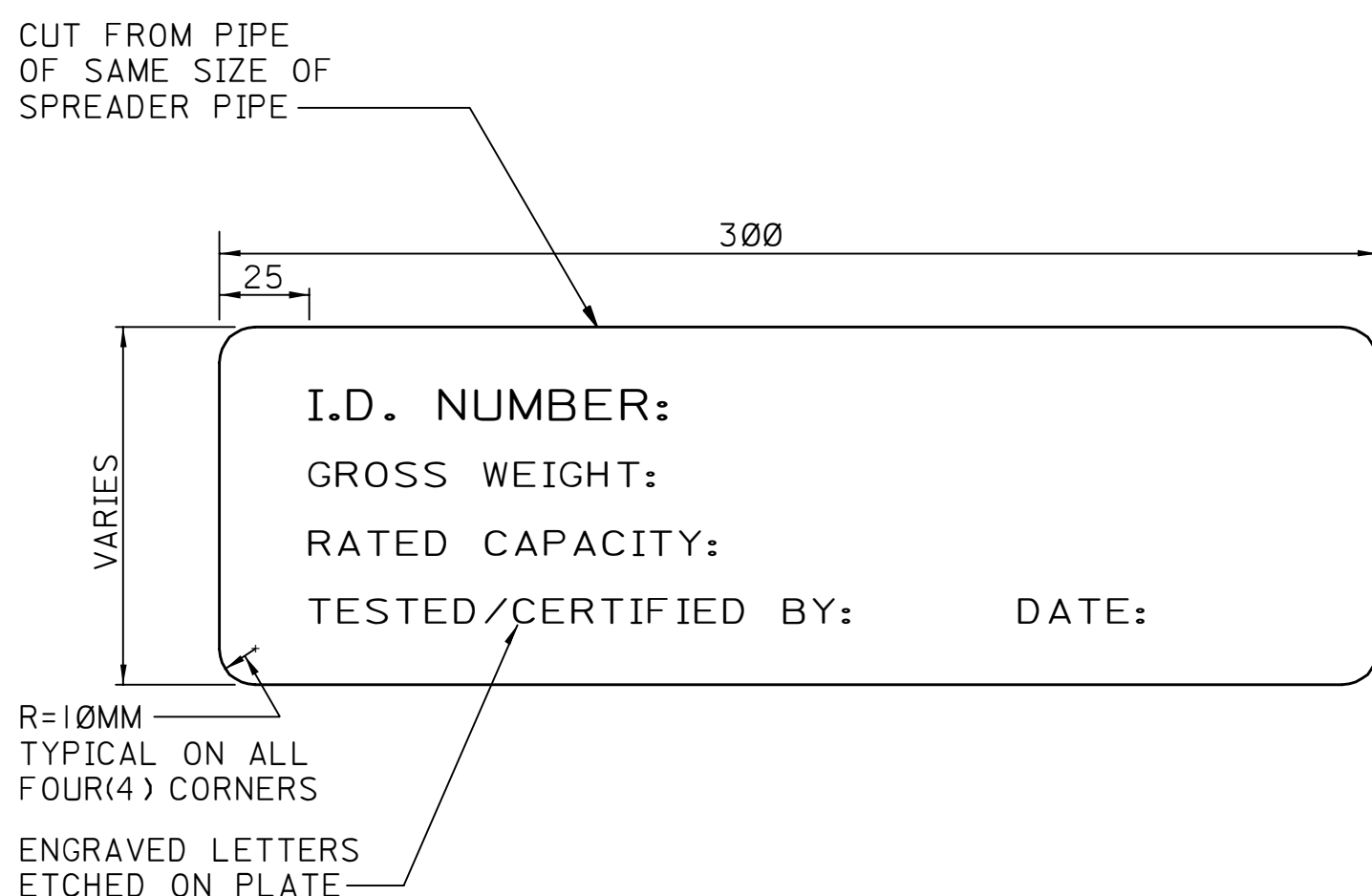
LIFT SHWL (TONS)	SHACKLE SHL (TONS)	NOMINAL SHACKLE SIZE* (IN.)	D1 (mm)	R1 (mm)	R2 (mm)	T1 (mm)	T2 (mm)	T3 (mm)	L1 (mm)	L3 (mm)	F1 (mm)	F2 (mm)	F3 (mm)
2	2.0	1/2	20	30	-	15	-	10	150	75	-	6	6
5	3.25	5/8	22	35	-	20	-	10	170	75	-	6	6
10	6.50	7/8	30	50	40	18	8	10	200	75	6	6	8
20	12	1.25	40	70	60	20	10	15	300	75	8	6	10
30	25	1.75	55	110	100	25	15	15	400	100	8	6	10
50	35	2.00	65	130	115	30	18	15	500	100	10	6	10
75	55	2.50	75	150	135	35	25	15	600	100	10	6	10
100	85	3.00	90	175	155	40	30	15	650	100	12	8	12
150	120	3.50	100	180	160	50	30	15	700	100	16	8	12
200	150	3.50	100	190	160	50	35	15	750	100	16	8	12
250	150	4.00	115	200	170	50	40	15	800	100	16	8	12

(* ALL SHACKLES SHALL CONFORM TO THE FEDERAL SPECIFICATIONS: RR-C-271B)

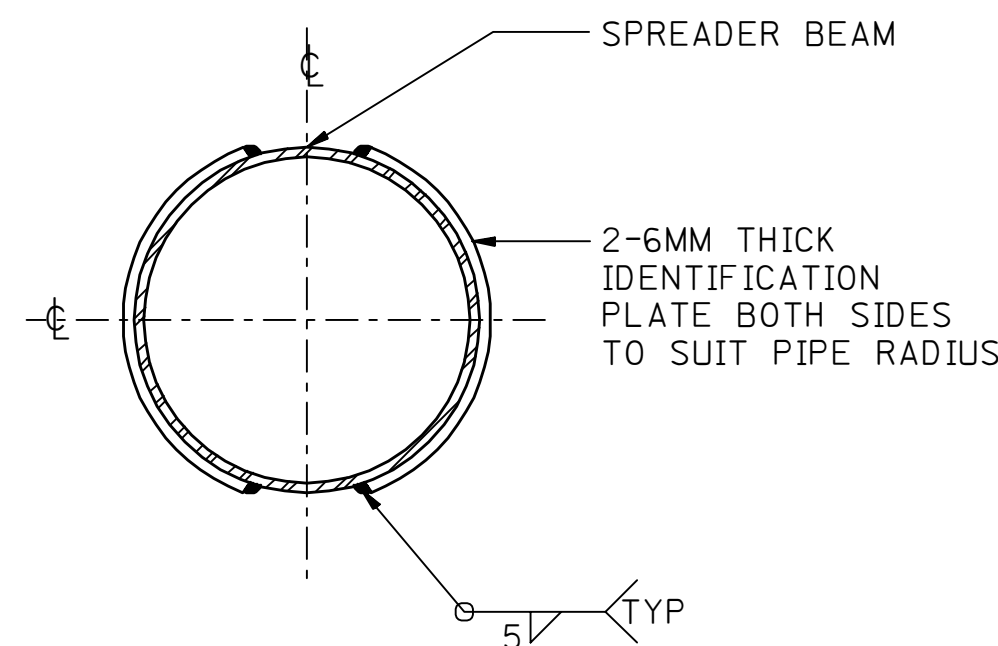
		NOMINAL LENGTH IN METERS																																															
		2				3				4				5				6				8				10				12				14															
		PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4				PIPE SECTION D2 L2 L4															
SAFE WORKING LOAD IN METRIC TONS	2	6.625x0.28 160 140 120				6.625x0.28 160 140 120				6.625x0.28 160 140 120				6.625x0.28 160 140 120				6.625x0.28 160 140 120				6.625x0.28 160 140 120				6.625x0.28 160 140 120				8.625x0.322 210 165 140				8.625x0.322 210 165 140															
	5	6.625x0.28 160 145 120				6.625x0.28 160 145 120				6.625x0.28 160 145 120				6.625x0.28 160 145 120				6.625x0.28 160 145 120				6.625x0.28 160 145 120				6.625x0.28 160 145 120				8.625x0.322 210 170 140				8.625x0.322 210 170 140															
	10	6.625x0.28 160 175 140				6.625x0.28 160 175 140				6.625x0.28 160 175 140				6.625x0.28 160 175 140				6.625x0.28 160 175 140				6.625x0.28 160 175 140				8.625x0.322 210 200 160				8.625x0.322 210 200 160				8.625x0.322 210 200 160															
	20	8.625x0.322 210 220 160				8.625x0.322 210 220 160				8.625x0.322 210 220 160				8.625x0.322 210 220 160				8.625x0.322 210 220 160				8.625x0.322 210 220 160				8.625x0.322 210 220 160				10.75x0.365 260 250 180				10.75x0.365 260 250 180				10.75x0.365 260 250 180											
	30	10.75x0.365 260 290 180				10.75x0.365 260 290 180				10.75x0.365 260 290 180				10.75x0.365 260 290 180				10.75x0.365 260 290 180				10.75x0.365 260 290 180				10.75x0.365 260 290 180				12.75x0.375 315 315 210				12.75x0.375 315 315 210				12.75x0.375 315 315 210											
	50	12.75x0.375 315 340 210				12.75x0.375 315 340 210				12.75x0.375 315 340 210				12.75x0.375 315 340 210				12.75x0.375 315 340 210				12.75x0.375 315 340 210				14x0.5 340 355 230				14x0.5 340 355 230				14x0.5 340 355 230				14x0.5 340 355 230											
	75	14x0.5 340 375 230				14x0.5 340 375 230				14x0.5 340 375 230				14x0.5 340 375 230				14x0.5 340 375 230				14x0.5 340 375 230				16x0.5 395 400 250				16x0.5 395 400 250				16x0.5 395 400 250				16x0.5 395 400 250											
	100	N/A	-	-	-	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280	18x0.5	445	445	280								
150	N/A	-	-	-	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355	24x0.5	595	545	355					
200	N/A	-	-	-	N/A	-	-	-	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430	30x0.5	750	630	430					
250	N/A	-	-	-	N/A	-	-	-	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510	36x0.625	900	720	510					

* DIMENSIONS D2, L2 & L4 ARE IN MILLIMETERS

PADEYES FOR PIPES



2 IDENTIFICATION PLATE DETAIL
— NOT TO SCALE



 SECTION
NOT TO SCALE

LEGEND:

SWL SAFE WORKING LOAD

REFERENCE DRAWINGS

ROUND MAN BASKET 500 KG CAPACITY	AA-036970
SQUARE MAN BASKET 500 KG CAPACITY	AA-036971
LIFTING FRAMES 2&5 METRIC TONS SAFE WORKING LOAD A-FRAMES	AA-036972

DWG RESPONSIBILITY:
OFFSHORE STRUCTURES STANDARDS COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
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SAUDI ARABIAN OIL COMPANY

DRAWN BY CADSD CHECKED BY _____ SCALE: AS NOTED

DATE STARTED _____ DATE COMPLETED 07-15-02

OPR'G. DEPT. _____ ENG. DEPT. _____

APP'D. FOR CONST. _____

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED	CERTIFIED BY _____ DATE _____
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SPREADER BEAMS PIPES

STD DWG			METRIC	
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	M	AA-036878	002	00