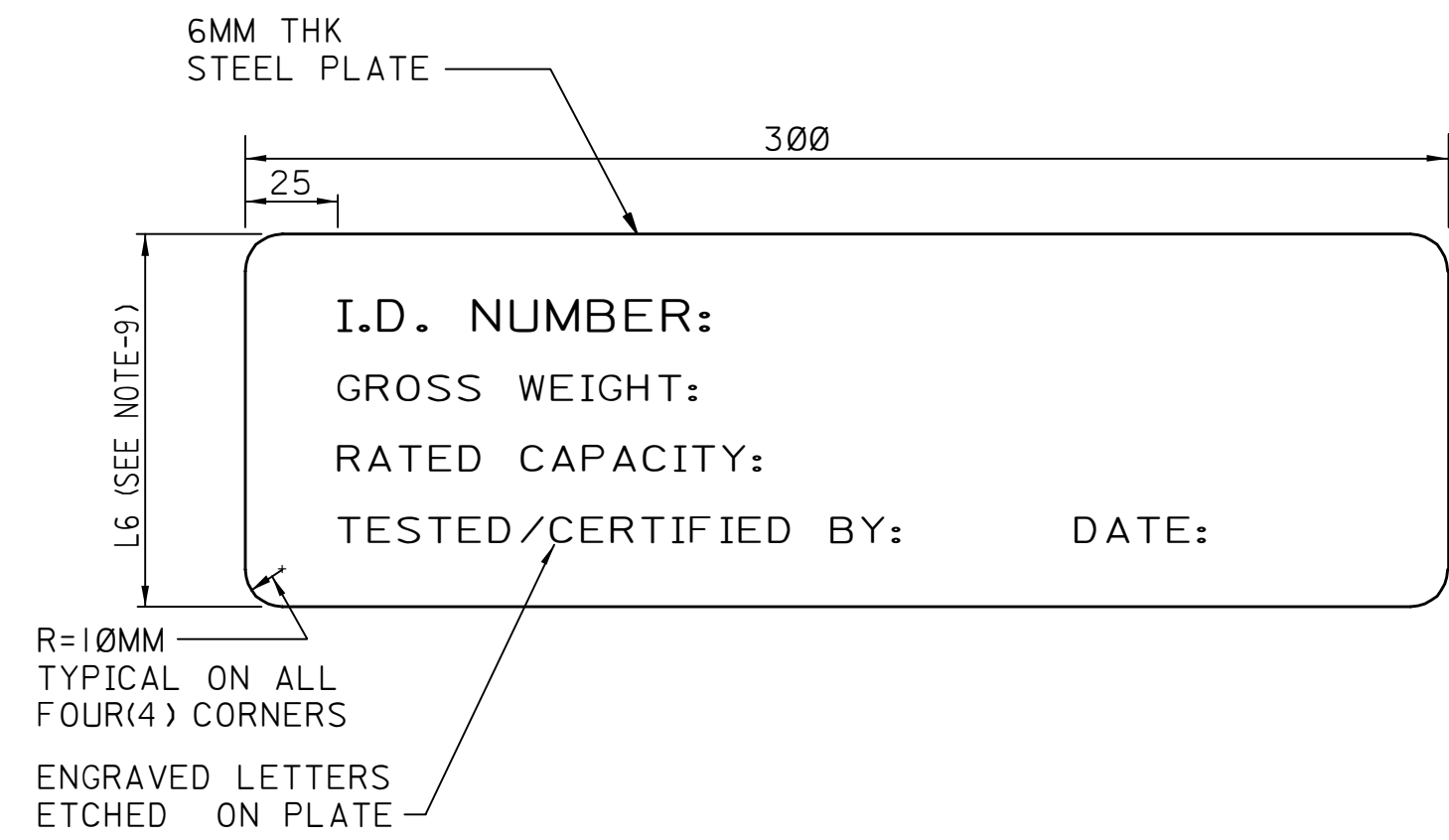
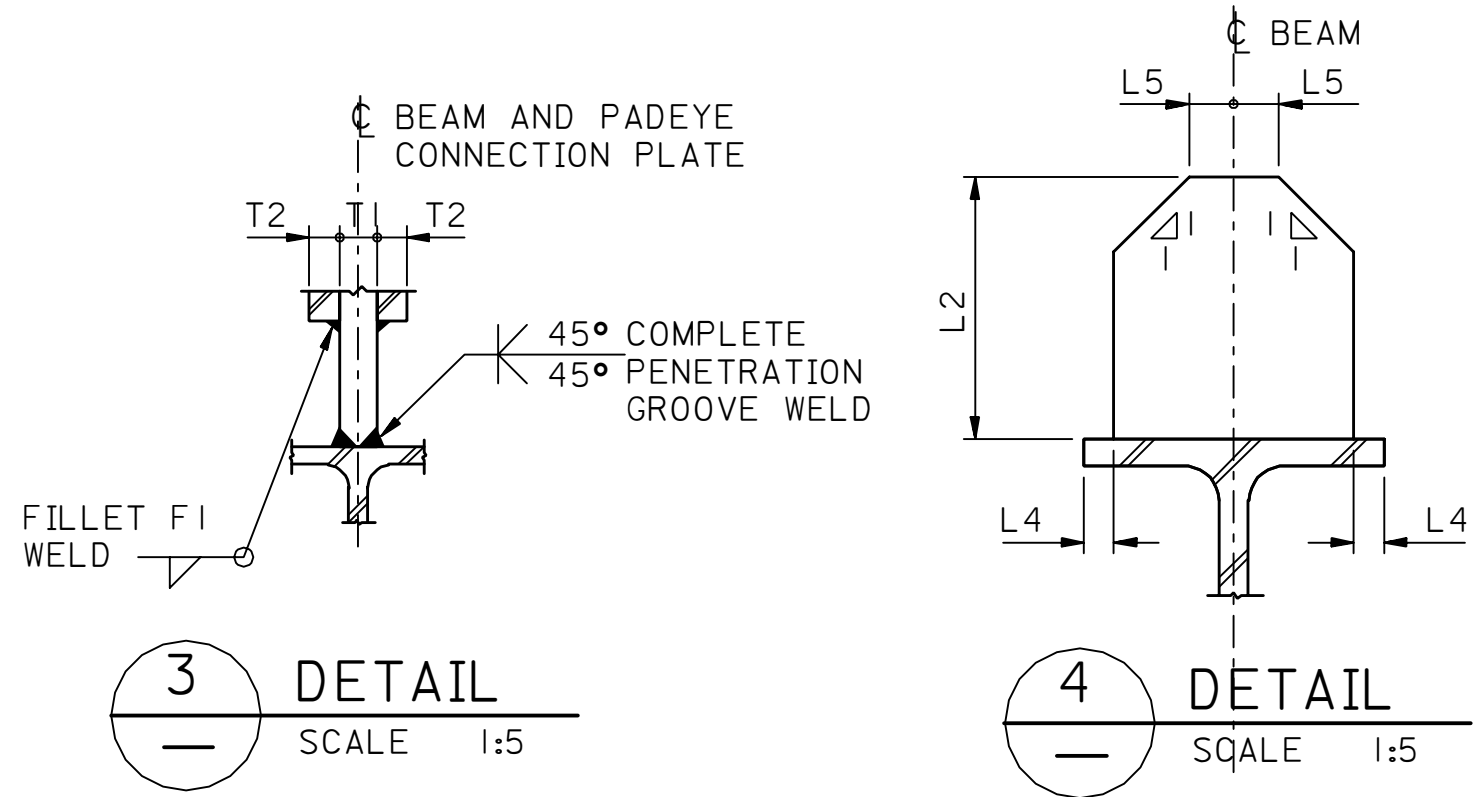
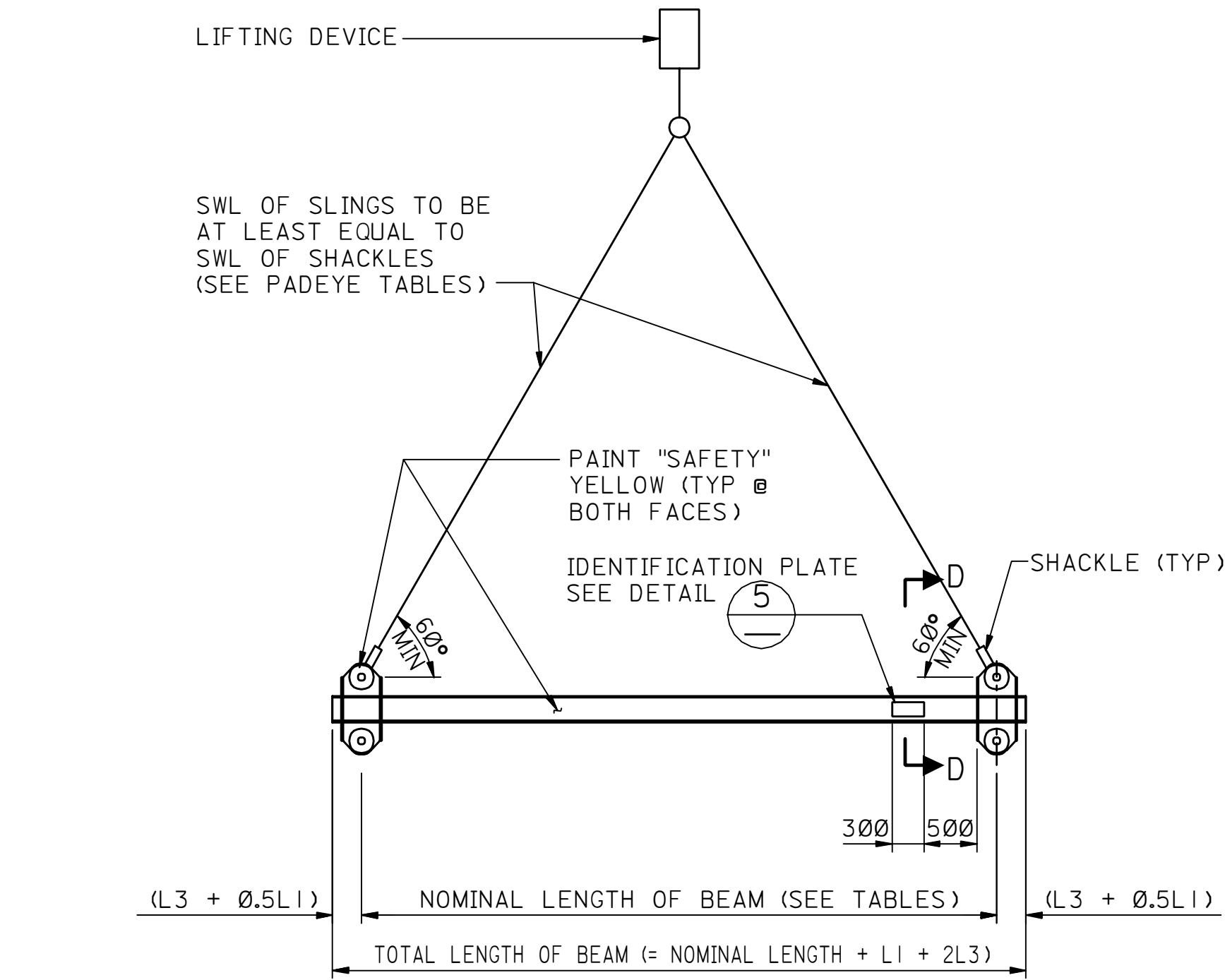
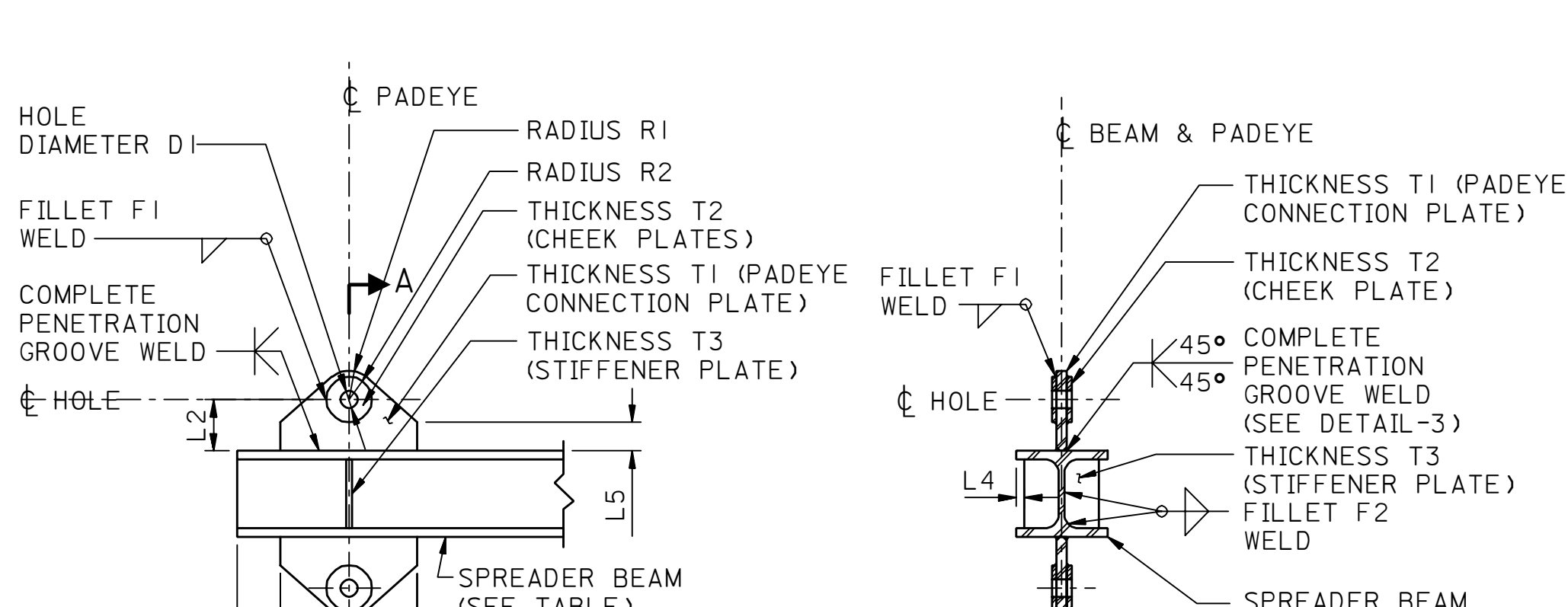




I.D. NUMBER:
GROSS WEIGHT:
RATED CAPACITY:
TESTED/CERTIFIED BY: DATE:



SPREADER BEAM (SEE TABLES)
SCALE 1:50



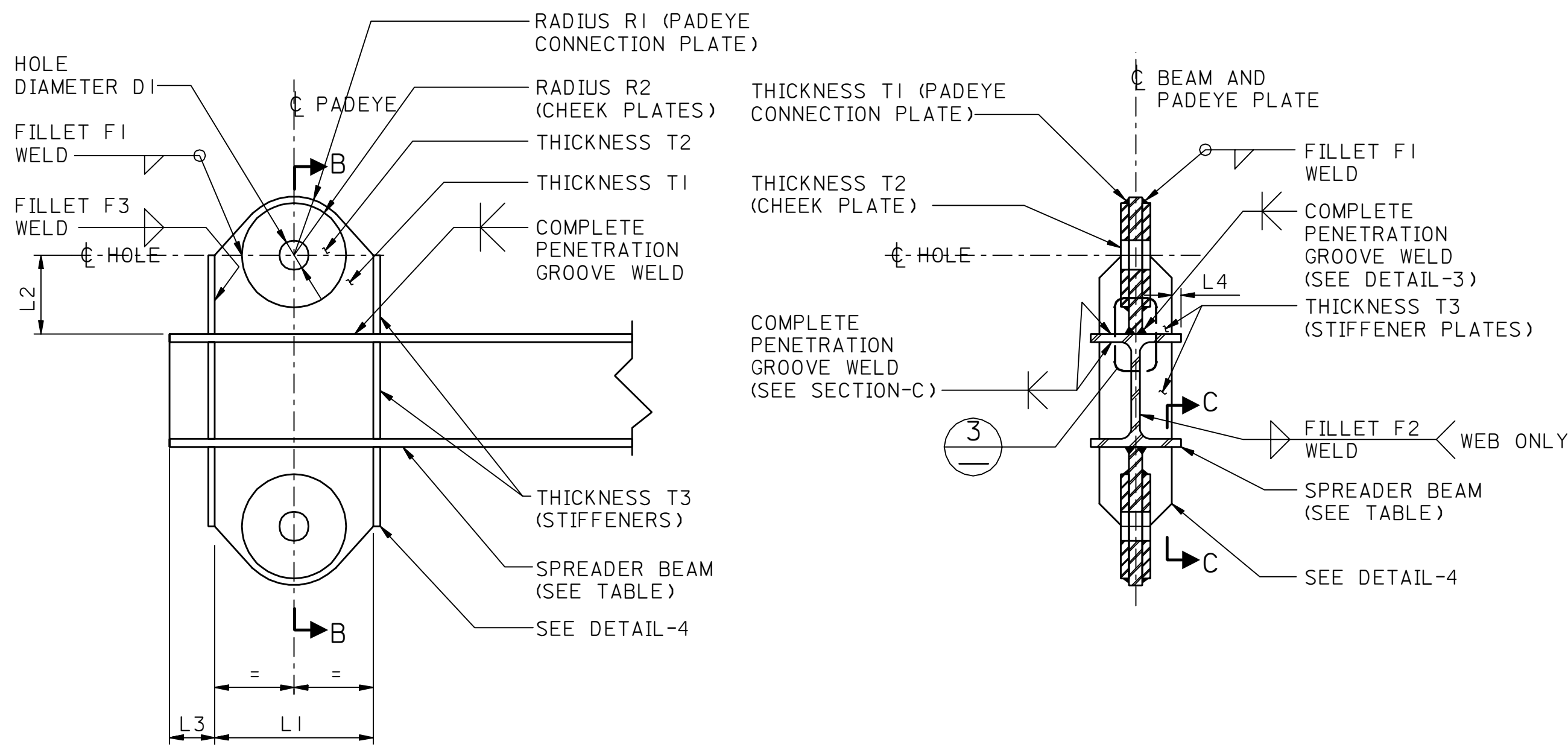
DETAIL (PAIDEYE TYPE-A)
SCALE 1:10

SECTION A
SCALE 1:10

LIFT SWL (TONS)	SHACKLE SWL (TONS)	NOMINAL SHACKLE SIZE* (IN.)	D1 (mm)	R1 mm	R2 (mm)	T1 (mm)	T2 (mm)	T3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	F1 (mm)	F2 (mm)
2	2.00	1/2	20	30	-	15	-	10	150	55	75	15	30	-	6
5	3.25	5/8	22	35	-	20	-	10	150	60	75	15	40	-	6
10	6.50	7/8	30	50	40	18	8	10	240	90	75	15	50	6	6

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

PAIDEYE TYPE-A (SEE DETAIL-1)



DETAIL (PAIDEYE TYPE-B)
SCALE 1:10

SECTION B
SCALE 1:10

LIFT SWL (TONS)	SHACKLE SWL (TONS)	NOMINAL SHACKLE SIZE* (IN.)	D1 (mm)	R1 (mm)	R2 (mm)	T1 (mm)	T2 (mm)	T3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	F1 (mm)	F2 (mm)	F3 (mm)
20	12	1.25	40	70	60	20	10	15	220	110	100	20	25	6	6	6
30	25	1.75	55	110	100	25	15	15	300	150	100	20	25	8	6	6
50	35	2.00	65	130	115	30	18	15	350	175	100	20	30	10	6	8
75	55	2.50	75	150	135	35	25	20	390	195	100	30	35	10	6	8
100	85	3.00	90	175	155	40	30	20	430	215	100	40	40	12	8	10
150	120	3.50	100	180	160	50	30	25	480	240	100	50	50	16	8	12
200	120	3.50	100	190	160	50	35	25	500	250	100	60	50	20	8	15
250	150	4	115	200	170	50	40	25	520	260	100	60	50	22	8	15

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

PAIDEYE TYPE-B (SEE DETAIL-2)

SPREADER BEAM MEMBERS
JAPANESE SECTIONS

		NOMINAL LENGTH IN METERS									
		2	3	4	5	6	8	10	12	14	
SAFE WORKING LOAD IN METRIC TONS	2	H150x150x7	H150x150x7	H150x150x7	H150x150x7	H150x150x7	H200x200x8	H200x200x8	H250x250x9	H300x300x10	
	5	H150x150x7	H150x150x7	H150x150x7	H150x150x7	H200x200x8	H200x200x8	H200x200x8	H250x250x9	H300x300x10	
	10	H150x150x7	H150x150x7	H150x150x7	H150x150x7	H200x200x8	H200x200x8	H200x200x8	H250x250x9	H300x300x10	
	20	H200x200x8	H200x200x8	H200x200x8	H200x200x8	H200x200x8	H200x200x8	H250x250x9	H250x250x9	H300x300x10	
	30	H200x200x8	H200x200x8	H200x200x8	H200x200x8	H200x200x8	H250x250x9	H250x250x9	H300x300x10	H344x348x10	
	50	H250x250x9	H250x250x9	H250x250x9	H250x250x9	H250x250x9	H300x300x10	H300x300x10	H344x348x10	H350x350x12	
	75	N/A	H300x300x10	H300x300x10	H300x300x10	H300x300x10	H344x348x10	H344x348x10	H350x350x12	H394x398x11	
	100	N/A	H344x348x10	H344x348x10	H344x348x10	H344x348x10	H350x350x12	H350x350x12	H394x398x11	H414x405x18	
	150	N/A	H400x400x13	H400x400x13	H400x400x13	H400x400x13	H400x400x13	H414x405x18	H414x405x18	H428x407x20	
	200	N/A	N/A	H414x405x18	H414x405x18	H414x405x18	H414x405x18	H428x407x20	H428x407x20	N/A	
	250	N/A	N/A	H428x407x20	H428x407x20	H428x407x20	H428x407x20	N/A	N/A	N/A	

* N/A: NOT AVAILABLE

SPREADER BEAM MEMBERS
EUROPEAN SECTIONS

		NOMINAL LENGTH IN METERS									
		2	3	4	5	6	8	10	12	14	
SAFE WORKING LOAD IN METRIC TONS	2	HE 140 B	HE 140 B	HE 140 B	HE 140 B	HE 140 B	HE 160 B	HE 200 B	HE 240 B	HE 280 B	
	5	HE 140 B	HE 140 B	HE 140 B	HE 140 B	HE 160 B	HE 160 B	HE 200 B	HE 240 B	HE 280 B	
	10	HE 140 B	HE 140 B	HE 140 B	HE 140 B	HE 160 B	HE 160 B	HE 200 B	HE 240 B	HE 280 B	
	20	HE 140 B	HE 140 B	HE 140 B	HE 160 B	HE 160 B	HE 180 B	HE 200 B	HE 240 B	HE 280 B	
	30	HE 180 B	HE 180 B	HE 180 B	HE 180 B	HE 180 B	HE 200 B	HE 240 B	HE 260 B	HE 280 B	
	50	HE 220 B	HE 220 B	HE 220 B	HE 220 B	HE 220 B	HE 240 B	HE 280 B	HE 320 B	HE 340 B	
	75	N/A	HE 260 B	HE 260 B	HE 260 B	HE 280 B	HE 300 B	HE 320 B	HE 500 B	HE 550 B	
	100	N/A	HE 320 B	HE 320 B	HE 320 B	HE 320 B	HE 360 B	HE 400 B	HE 300 M	HE 300 M	
	150	N/A	HE 450 B	HE 450 B	HE 450 B	HE 450 B	HE 500 B	HE 450 M	HE 450 M	N/A	
	200	N/A	N/A	HE 550 B	HE 550 B	HE 650 B	HE 650 B	N/A	N/A	N/A	

* N/A: NOT AVAILABLE

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- STEEL PLATES AND BEAM SHALL BE ASTM-A-36 AND COMPLY WITH THE PROVISIONS OF 12-SAMSS-007.
- ALL WELDING SHALL BE IN ACCORDANCE WITH AWS-D1.1.
- SPREADER BEAM SHALL BE SANDBLASTED AND PAINTED WITH SAFETY YELLOW COLOR IN ACCORDANCE WITH SAES-H-101 APC5-4. SEE NOTE 9 BELOW.
- SHACKLES AND SLINGS SHALL BE CERTIFIED AND APPROVED BY SAUDI ARAMCO REPRESENTATIVE BEFORE USE.
- 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, DHAHRAN 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.
- THE DESIGN OF SPREADER BEAM IS BASED ON ASME-B-30.20-1993.
- 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.
- DIMENSION L6 FOR NAME PLATE SHOULD BE AROUND 65% OF THE SPREADER BEAM DEPTH.

LEGEND:

SWL SAFE WORKING LOAD
MIN. MINIMUM

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.

SAUDI ARABIAN OIL COMPANY

DRAWN BY CADSD CHECKED BY SCALE: AS NOTED

DATE STARTED 03-18-02 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

SPREADER BEAMS
H - BEAMS

STD DWG			METRIC	
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	M	AA-036878	001	00