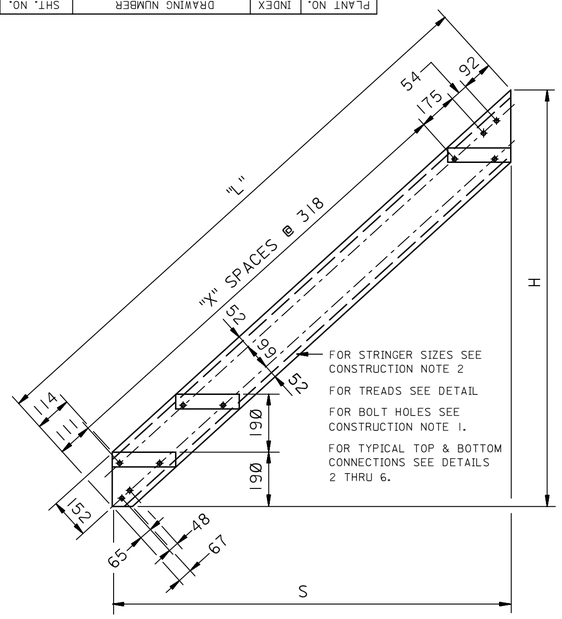
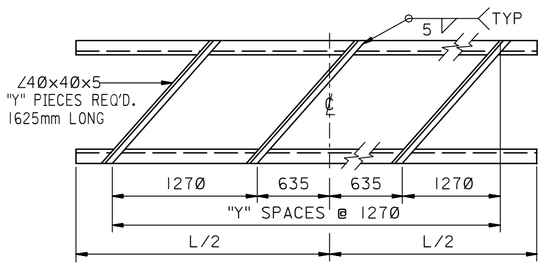
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	M	AB-036106	002	01

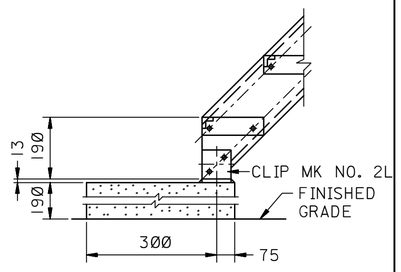


SECTIONAL ELEVATION

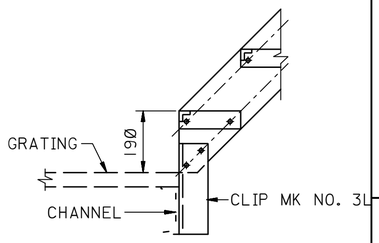


BRACING ACROSS BOTTOM OF STRINGERS

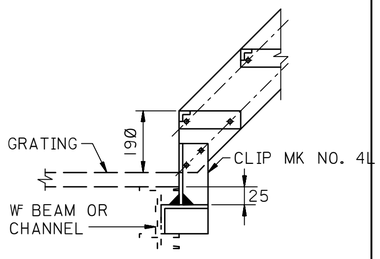
MARK NO.	DIMENSIONS (mm) NO. OF TREADS	X	H	S	L	Y	MASS IN KG.
1	1	0	380	255	432		19.5
2	2	1	570	510	750		35.8
3	3	2	760	765	1068		52.2
4	4	3	950	1020	1386		68.5
5	5	4	1140	1275	1704		84.8
6	6	5	1330	1530	2022		101.2
7	7	6	1520	1785	2340		117.5
8	8	7	1710	2040	2658		133.8
9	9	8	1900	2295	2976		158.3
10	10	9	2090	2550	3294		176.0
11	11	10	2280	2805	3612		193.7
12	12	11	2470	3060	3930		211.4
13	13	12	2660	3315	4248		228.6
14	14	13	2850	3570	4566	1	258.5
15	15	14	3040	3825	4884	1	276.7
16	16	15	3230	4080	5202	2	293.9
17	17	16	3420	4335	5520	2	315.7
18	18	17	3610	4590	5838	3	333.4
19	19	18	3800	4845	6156	3	350.6
20	20	19	3990	5100	6474	3	430.9
21	21	20	4180	5355	6792	4	456.3
22	22	21	4370	5610	7110	4	476.3
23	23	22	4560	5865	7428	5	497.1
24	24	23	4750	6120	7746	5	518.0
25	25	24	4940	6375	8064	6	542.5
26	26	25	5130	6630	8382	6	562.9
27	27	26	5320	6885	8700	6	583.8
28	28	27	5510	7140	9018	6	600.1
29	29	28	5700	7395	9336	7	630.0
30	30	29	5890	7650	9654	7	650.9
31	31	30	6080	7905	9972	7	671.3



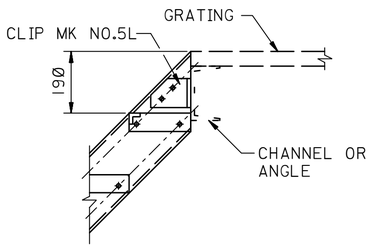
DETAIL 2



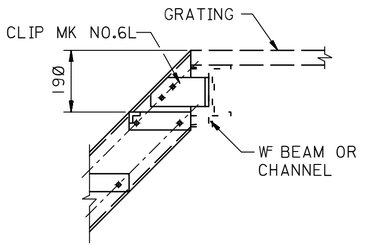
DETAIL 3



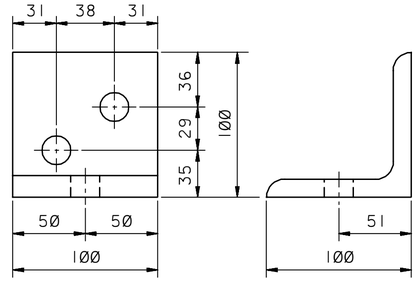
DETAIL 4



DETAIL 5

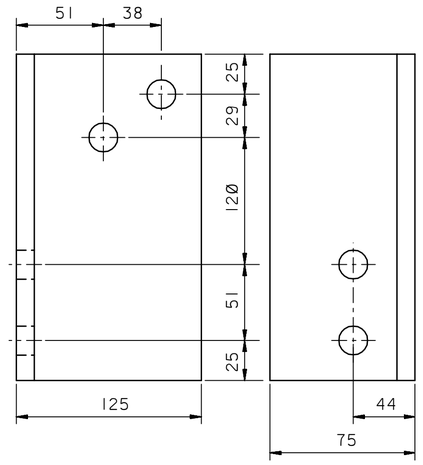


DETAIL 6



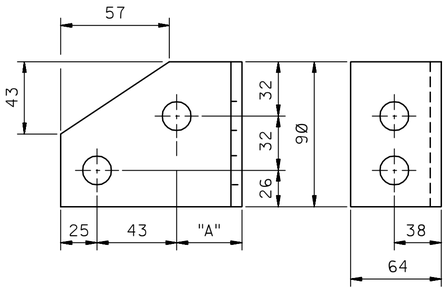
MATERIAL: ∠ 100×100×10

AS SHOWN: MK NO. 2L
OPPOSITE HAND: MK NO. 2R



MATERIAL: ∠ 125×75×10

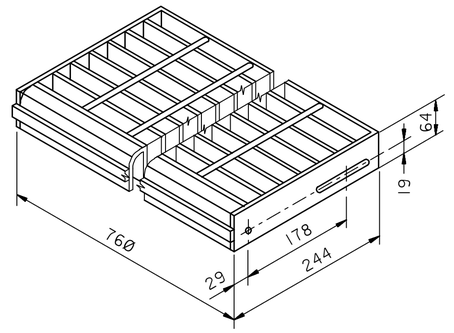
AS SHOWN: MK NO. 3L
OPPOSITE HAND: MK NO. 3R



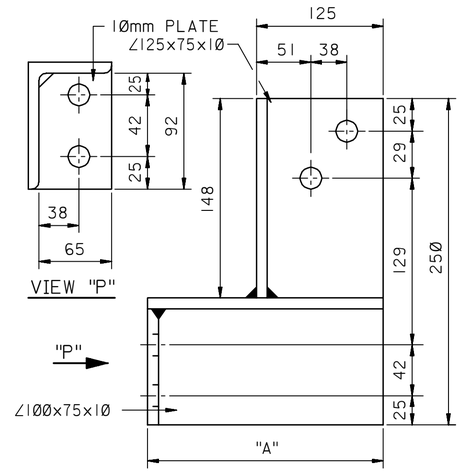
MATERIAL: 10×90 WIDE BENT PLATE

FOR DETAIL 5: "A" = 41mm
FOR DETAIL 6: "A" = 41mm + (WIDTH - WEB)(CHANNEL)
OR "A" = 41mm + 1/2 (WIDTH - WEB)(W BEAM)

AS SHOWN: MK NO. 5L OR 6L
OPPOSITE HAND: MK NO. 5R OR 6R



TREAD DETAIL



"A" =125mm + (WIDTH - WEB)(CHANNEL)
OR "A" =125mm + 1/2 (WIDTH - WEB)(W BEAM)

AS SHOWN: MK NO. 4L
OPPOSITE HAND: MK NO. 4R

NOTES:

CONSTRUCTION:

1. ALL HOLES TO BE 14mm DIA. FOR 1/2 " MACHINE BOLTS, EXCEPT HOLES IN STAIR STRINGER FOR FASTENING OF TREADS TO BE 11mm FOR 3/8 " MACHINE BOLTS.
2. STRINGERS SHALL BE AS FOLLOWS:
 FOR MARK NOS. 1-9 INCL. 6x200 FLAT STEEL
 FOR MARK NOS. 10-31 INCL. 8"] 11.5
3. SEE LAYOUT DRAWINGS FOR SPAN.
4. TOLERANCES FOR HEIGHT OF RISER:
 ± 13mm FOR BOTTOM STEP
 ± 3mm FOR ALL OTHER RISERS
5. PAINT ALL JOINTS BEFORE BOLTING.

DESIGN:

1. STAIR STRINGERS DESIGNED FOR LIVE LOAD OF 2.9 kN/M^2 OF AREA PROJECTED ON HORIZONTAL PLANE.
2. ALL DIMENSIONS SHOWN ARE BASED ON PREFERRED STAIR SLOPE OF 9 TO 12.
3. WHEN "H" EXCEEDS 6.1M STAIRS SHALL BE SUPPORTED BETWEEN LANDINGS.
4. WHEREVER TOEBOARDS ARE REQUIRED ON PLATFORMS OR LANDINGS, THE TOEBOARD SHALL BE EXTENDED ACROSS FIRST RISER AT BOTTOM OF STAIR.
5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS

STANDARD HANDRAIL	AE-036087
ASSEMBLY OF HANDRAIL INSTALLATION	AB-036103
ASSEMBLY & DET. OF WALKWAYS AND STILES	AB-036122
ASSEMBLY & DET. OF TYPE "B" STAIRS	AC-036198

MANDATORY DRAWING

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
01	OCT92	ESSD AVM		DRAWING DIGITIZED INTO CADD DATABASE WITHOUT CHANGES			

SAUDI ARABIAN OIL COMPANY

DRAWN BY FP CHECKED BY WR SCALE NONE
DATE STARTED DATE COMPLETED 12-13-51
OPR'G. DEPT. ENG. DEPT. EVD 12-17-51
APP'D FOR CONSTR.

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

ASSEMBLY AND DETAILS OF TYPE "A" STAIRS FOR WALKWAYS AND PLATFORMS

STD. DWG. METRIC

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	M	AB-036106	002	01

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Saudi Aramco 2634 ENG. (3/91)

CADD-02