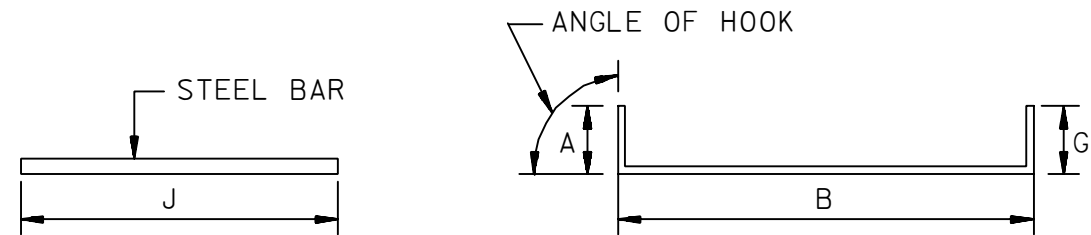
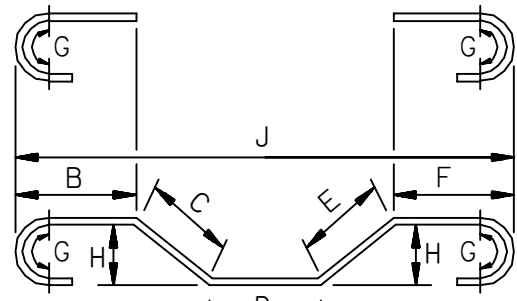


PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	0	AB-036750	001	02

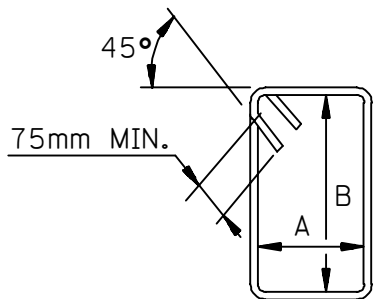


TYPE I

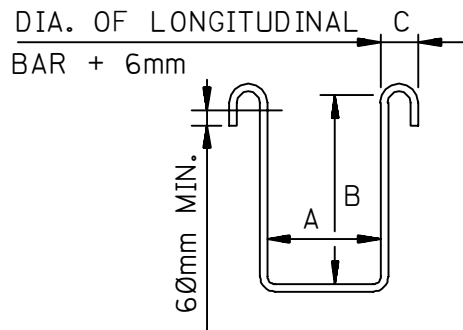
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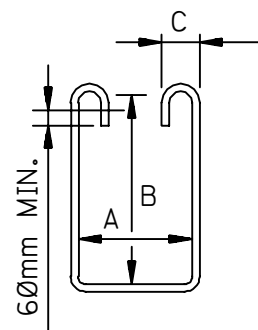
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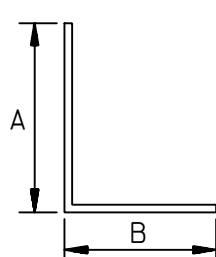
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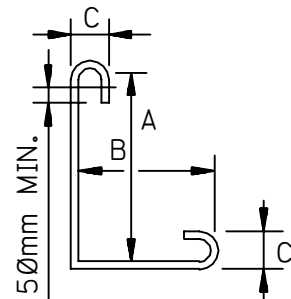
TYPE 5



TYPE 6



TYPE 7



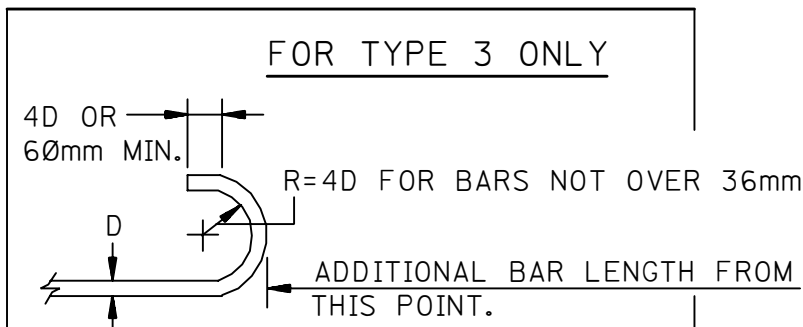
TYPE 8

NOTES:

1. HOOK ONLY ON LEG WITH 'B' DIMENSION, LEG WITH 'A' DIMENSION STRAIGHT.
2. REINFORCING BAR IS LISTED WITH DRAWING CODE NUMBERS 30 AND 31 ON STANDARD DRAWING AE-036818.
3. TYPE 1, 2, & 7-DIMENSIONS OUTSIDE TO OUTSIDE.
TYPE 3, 4, 5, 6 & 8-DIMENSIONS INSIDE TO INSIDE.
4. ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED OTHERWISE.

[illegible]

MARK	TYPE OF BAR	NO. REQ'D	SIZE OF BAR	D I M E N S I O N S									ANGLE OF HOOK	CUTTING LENGTH	NO. X CUTTING LENGTH= TOTAL LENGTH METERS	LOCATION
				A	B	C	D	E	F	G	H	OVERALL DIM. J				
STD. DWG. NO. AA-036759 SH. 005 3 & 4 MAN GATE HOUSE FOUNDATION																
420	I	4	12									2900		2900	11.6	FLOOR SLAB EDGE
421	I	4	12									4600		4600	18.4	FLOOR SLAB EDGE
422	I	2	12									7800		7800	15.6	OUTSIDE SLAB
423	I	1	12									4850		4850	4.9	OUTSIDE SLAB
425	3	25	12	72	95	85	4240	85	95	72		4550		4575	118	ROOF SLAB EDGE
428	4	90	12	160	160									800	68.4	COLUMN
429	2	1	12	250	2700						250			3200	3.2	RAISED SIDEWALK & STAIRS
430	2	1	12	250	3200						250			3700	3.7	RAISED SIDEWALK & STAIRS
431	2	1	12	250	3700						250			4200	4.2	RAISED SIDEWALK & STAIRS
432	7	5	12	250	250									500	2.5	RAISED SIDEWALK & STAIRS
221	6	52	6	156	680	40								1750	88.4	FLOOR SLAB EDGE
520	7	24	16	3790	335									4125	99.0	COLUMN
521	8	48	16	300	100	128	NOTE 1							500	24	BEAM-COLUMN CONNECTION
522	1	16	16									2165		2165	34.7	WALL BEAM
523	1	8	16									2970		2970	23.8	WALL BEAM
524	7	22	16	320	250									570	12.6	BEAM-ROOF CONNECTION
525	1	24	16									750		750	12	COLUMN FOOTING DOWELS
526	1	72	16									950		950	68.4	COLUMN FOOTING
527	7	16	16	800	200									1000	16	BEAM-COLUMN CONNECTION
528	1	4	16	1450										1450	5.8	BEAM-COLUMN CONNECTION
529	1	4	16	650										650	2.6	BEAM-COLUMN CONNECTION
433	1	47	12									550		550	25.9	FLOOR-WALL CONNECTION
434	1	8	12									750		750	6	COLUMN-WALL CONNECTION
435	7	16	12	800	800									1600	25.6	COLUMN-WALL CONNECTION
436	4	62		110	220									820	50.9	WALL BEAM



BAR SIZE	RADIUS	ADDITIONAL BAR LENGTH FOR HOOK
6mm Ø	24mm	100mm
8mm Ø	32mm	120mm
12mm Ø	48mm	150mm
16mm Ø	64mm	180mm
20mm Ø	80mm	220mm
25mm Ø	100mm	330mm
30mm Ø	120mm	400mm

TYPICAL INSTALLATION DRAWING									
02	NOV93	ESSD RCR		DELETED MARK NOS. 405, 424 AND REVISED DIMENSIONS.					
01	MAY92	ESSD CAJ		DRAWING DIGITIZED INTO CAD DATABASE WITHOUT CHANGES.			ORIGINAL SIGNED	ORIGINAL SIGNED	ORIGINAL SIGNED
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION			CHKD.	CERT.	APPRO.
SAUDI ARABIAN OIL COMPANY									
DRAWN BY <u>PETR. E.M.</u> CHECKED BY <u> </u> P.T. <u> </u> SCALE <u> </u> NONE <u> </u>									
DATE STARTED <u> </u> DATE COMPLETED <u> </u> SEPT'83 <u> </u>									
OPR'G. DEPT. <u> </u> ENG. DEPT. <u> </u> ORIGINAL SIGNED <u> </u>									
APP'D FOR CONSTR. <u> </u>									
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED					CERTIFIED <u> </u> ORIGINAL CERTIFIED <u> </u> BY <u> </u> DATE <u> </u>				
STEEL BENDING DETAILS									
GATE HOUSES									
(SSD/I7: AES-0-117)									
STD. DWG.							METRIC		
PLANT NO.	INDEX	DRAWING NUMBER					SHT. NO.	REV. NO.	
990	Q	AB-036750					001	02	