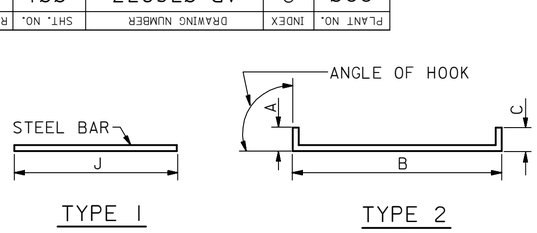
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	Q	AB-036837	001	02



MARK NO.	TYPE OF BAR	NO. REQ'D.	SIZE OF BAR	DIMENSIONS A	B	C	D	E	F	H	OVERALL DIM. J	ANGLE OF HOOK	CUT-TING LENGTH	NO. x CUTTING LENGTH x TOTAL LENGTH (FEET)	LOCATION
401	2	8	1/2	2'-0"	3'-11"	2'-0"							7'-10"	63'	
402	2	5	↑	2'-0"	7'-1"	2'-0"							10'-0"	55'	
403	2	14		20"	7'-1"	3'-6"							12'-2"	170'	SEE NOTE 1
404	2	6		20"	8'-0"	4'-6"							14'-1"	85'	
405	2	2		20"	6'-8"	4'-2"							12'-5"	25'	TANK NO. 1
406	2	4	↓	20"	6'-8"	3'-2"							11'-5"	46'	
407	1	22	1/2	20"							7'-2"		7'-2"	158'	SEE NOTE 2
301	9	14	3/8	8"	3"	11"	9"	4 1/2	8"				3'-5"	48'	
302	4	10	3/8	10 1/4	8 1/4	"							3'-7"	36'	
409	2	13	1/2	2'-0"	5'-9"	2'-0"							9'-8"	126'	
410	2	7	↑	2'-0"	10'-3"	2'-0"							14'-2"	99'	
411	2	14		20"	10'-3"	5'-4"							17'-2"	240'	SEE NOTE 1
412	2	6		20"	11'-2"	6'-4"							19'-1"	115'	
413	2	2		20"	9'-2"	6'-0"							17'-5"	35'	TANK NO. 2
414	2	4	↓	20"	9'-2"	5'-0"							16'-5"	66'	
415	1	36	1/2	"							7'-2"		7'-2"	258'	SEE NOTE 2
303	9	20	3/8	8"	3"	11"	9"	4 1/2	8"				3'-5"	68'	
304	4	14	3/8	10 1/4	8 1/4	"							3'-7"	58'	
417	2	23	1/2	2'-0"	7'-10"	2'-0"							11'-9"	270'	
418	2	9	↑	2'-0"	14'-11"	2'-0"							18'-10"	170'	
419	2	14		20"	14'-11"	7'-5"							23'-11"	335'	SEE NOTE 1
420	2	6		20"	15'-10"	8'-5"							25'-10"	155'	
421	2	2		20"	14'-6"	8'-1"							24'-2"	48'	TANK NO. 3
422	2	4	↓	20"	14'-6"	7'-1"							23'-2"	93'	
423	1	60	1/8	"							7'-2"		7'-2"	430'	SEE NOTE 2
305	9	30	3/8	8"	3"	11"	9"	4 1/2	8"				3'-5"	103'	
306	4	18	3/8	10 1/4	8 1/4	"							3'-7"	65'	
425	2	6	1/2	2'-0"	2'-10"	2'-0"							6'-9"	41'	
426	2	4	↑	2'-0"	5'-3"	2'-0"							9'-2"	37'	
427	2	20		20"	5'-3"	2'-5"							9'-3"	185'	SEE NOTE 1
428	2	6		20"	6'-2"	3'-5"							11'-2"	67'	
429	2	2		20"	4'-10"	3'-1"							9'-6"	19'	TANK NO. 4
430	2	4	↓	20"	4'-10"	2'-1"							8'-6"	34'	
431	1	16	1/2	"							9'-8"		9'-8"	155'	SEE NOTE 2
307	9	30	3/8	8"	3"	11"	9"	4 1/2	8"				3'-5"	34'	
308	4	8	3/8	10 1/4	8 1/4	"							3'-7"	29'	
433	2	8	1/2	2'-0"	4'-1"	2'-0"							8'-0"	64'	
434	2	5	↑	2'-0"	7'-5"	2'-0"							11'-14"	57'	
435	2	20		20"	7'-5"	3'-8"							12'-8"	253'	SEE NOTE 1
436	2	6		20"	8'-4"	4'-8"							14'-7"	88'	
437	2	2		20"	7'-0"	4'-4"							12'-11"	26'	TANK NO. 5
438	2	4	↓	20"	7'-0"	3'-4"							11'-11"	48'	
439	1	22	1/2	"							9'-8"		9'-8"	213'	SEE NOTE 2
309	9	16	3/8	8"	3"	11"	9"	4 1/2	8"				3'-5"	55'	
310	4	10	3/8	10 1/4	8 1/4	"							3'-7"	36'	
441	2	14	1/2	2'-0"	5'-5"	2'-0"							9'-4"	131'	
442	2	7	↑	2'-0"	10'-3"	2'-0"							14'-2"	99'	
443	2	20		20"	10'-3"	5'-0"							16'-10"	337'	SEE NOTE 1
444	2	6		20"	11'-2"	6'-0"							18'-9"	113'	
445	2	2		20"	9'-10"	5'-8"							17'-1"	34'	TANK NO. 6
446	2	4	↓	20"	9'-10"	4'-8"							16'-1"	64'	
447	1	38	1/2	"							9'-8"		9'-8"	367'	SEE NOTE 2
311	9	20	3/8	8"	3"	11"	9"	4 1/2	8"				3'-5"	68'	
312	4	14	3/8	10 1/4	8 1/4	"							3'-7"	50'	

MARK	TYPE OF BAR	NO. REQ'D.	SIZE OF BAR	DIMENSIONS A	B	C	D	E	F	G	H	OVERALL DIM. J	ANGLE OF HOOK	CUT-TING LENGTH	NO. x CUTTING LENGTH x TOTAL LENGTH (FEET)	LOCATION
449	2	8	1/2	2'-0"	3'-8"	2'-0"								7'-7"	61'	
450	2	5	↑	2'-0"	6'-10"	2'-0"								10'-9"	54'	
451	1	26										7'-10"		7'-10"	204'	TANK NO. 7 SEE NOTE 2
453	2	18		20"	6'-10"	3'-4"								11'-9"	212'	SEE NOTE 1
454	2	12		2'-0"	5'-6"	2'-0"								9'-5"	113'	
455	2	7		2'-0"	10'-6"	2'-0"								14'-5"	101'	
456	1	38										7'-10"		7'-10"	298'	TANK NO. 8 SEE NOTE 2
458	2	18		20"	10'-6"	5'-2"								17'-3"	311'	SEE NOTE 1
459	2	21		2'-0"	7'-7"	2'-0"								11'-6"	242'	
460	2	9		2'-0"	14'-8"	2'-0"								18'-7"	167'	
461	1	60										7'-10"		7'-10"	470'	TANK NO. 9 SEE NOTE 2
463	2	20		20"	14'-8"	7'-3"								23'-6"	470'	SEE NOTE 1
464	2	6		2'-0"	2'-7"	2'-0"								6'-6"	39'	
465	2	4		2'-0"	4'-9"	2'-0"								8'-8"	35'	
466	1	20										10'-4"		10'-4"	207'	TANK NO. 10 SEE NOTE 2
468	2	22		20"	4'-9"	2'-3"								8'-7"	189'	SEE NOTE 1
469	2	8		2'-0"	3'-10"	2'-0"								7'-9"	62'	
470	2	5		2'-0"	7'-2"	2'-0"								11'-1"	55'	
471	1	26										10'-4"		10'-4"	269'	TANK NO. 11 SEE NOTE 2
473	2	22		20"	7'-2"	3'-6"								12'-3"	270'	SEE NOTE 1
474	2	11		2'-0"	5'-2"	2'-0"								9'-1"	100'	
475	2	6		2'-0"	10'-1"	2'-0"								14'-0"	84'	
476	1	34										10'-4"		10'-4"	351'	TANK NO. 12 SEE NOTE 2
478	2	22	1/2	"20"	10'-1"	4'-10"								15'-6"	363'	SEE NOTE 1

NOTES:

1. NO. REQ'D. SHOWN FOR MAX. DEPTH.
2. DIMENSION SHOWN FOR MAX. DEPTH.
3. THIS DWG. SUPERSEDES AB-036742 SHT. 002 STEEL BUILDING DETAILS.
4. TYPES 1, 2, 3, 7 - DIMENSIONS OUTSIDE TO OUTSIDE.
5. TYPE 4, 5, 6, 8 - DIMENSIONS INSIDE TO INSIDE.

LIST OF MATERIALS

NO. REQ'D. #3	NO. REQ'D. #4	DESCRIPTION ITEM	WEIGHT LBS #4	WEIGHT LBS #3
84	602	FT. TANK #1	402	32
118	939	FT. TANK #2	628	44
168	1501	FT. TANK #3	1003	63
63	538	FT. TANK #4	359	24
91	749	FT. TANK #5	500	34
118	1145	FT. TANK #6	766	44
	531	FT. TANK #7	355	
	823	FT. TANK #8	549	
	1349	FT. TANK #9	901	
	470	FT. TANK #10	314	
	656	FT. TANK #11	438	
	898	FT. TANK #12	600	

#1 COMMON STEEL 6 1/4 LBS PER 1000 LBS REINF.

REFERENCE DRAWINGS

STD. DWG. SAND & OIL SEPARATORS	AA-036742

TYPICAL INSTALLATION DRAWING

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
02	JUL92		ESSD EPE	DRAWING DIGITIZED INTO CADD DATABASE WITHOUT CHANGES.			

SAUDI ARABIAN OIL COMPANY

DRAWN BY _____ CHECKED BY _____ SCALE NONE
DATE STARTED _____ DATE COMPLETED 10-11-56
OPR'G. DEPT. _____ ENG. DEPT. ORIGINAL SIGNED
APP'D FOR CONSTR. _____

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

CERTIFIED _____
BY _____ DATE _____

STEEL BENDING DETAILS

STANDARD SAND & OIL (GREASE) SEPARATORS

STD. DWG.

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	Q	AB-036837	001	02

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