

# REBAR SCHEDULE

# BAR BENDING SCHEDULE

## FLOOR & FOOTING

MARK	QUANTITIES		SIZE	LENGTH	WEIGHT			TYPE	LOCATION
	DESIGN	ORDER			No. 5	No. 4	No. 3		
FTG-1	183	189	#5	30'-0"	5914				FOOTING
FTG-2	62	71	#5	30'-0"	2222				do
FLR-1	789	802	#4	30'-0"		16072			CENTER FLOOR SECTION
FLR-2	24	26	#4	30'-0"		521			do
FLR-3	771	779	#4	30'-0"		15611			RADIAL OUTER FLOOR
FLR-4	771	779	#4	18'-4"		9538			do
FLR-5	937	947	#4	30'-0"		18978			CIRCUMFERENTIAL OUTER FLOOR
FLR-6	10	10	#5	4'-0"	42				INLET PIPE SUPPORT
STRAIGHT									
EXTRA	6	#5	30'-0"	188					
EXTRA	30	#4	30'-0"	601					
TOTAL					8366	61321			
HEAVY BENDING									
400	330	343	#4	9'-9"		2234		H2	FOOTING
401	329	329	#4	8'-9"		1923		H2	do
402	214	218	#4	3'-0"		437		20	do
415	4	4	#4	4'-0"		11		17	INLET PIPE SUPPORT
TOTAL						4605			
L BEND									
TOTAL									

## COLUMN AND COLUMN FOOTING

MARK	QUANTITIES		SIZE	LENGTH	WEIGHT			TYPE	LOCATION
	DESIGN	ORDER			No. 5	No. 4	No. 3		
COL-1	690	700	#4	3'-8"		1716			COLUMN FOOTING
COL-2	552	560	#5	22'-5"		13095			COLUMN VERTICALS
STRAIGHT									
TOTAL						13095	1716		
HEAVY BEND									
500	562	560	#5	3'-8"	2144			17	DOWELS FROM FOOTING
501	562	560	#5	8'-1"	4719			17	DOWELS INTO ROOF SLAB
TOTAL					6863				
L BEND									
403	1725	1750	#4	4'-8"		5459		T3	COLUMN TIES
TOTAL						5459			

## WALL

MARK	QUANTITIES		SIZE	LENGTH	WEIGHT			TYPE	LOCATION
	DESIGN	ORDER			No. 5	No. 4	No. 3		
WAL-1	832	848	#3	6'-0"			1913		AT LIFTING INSERTS
WAL-3	130	133	#4	24'-5"			2170		SUPPORT REINFORCEMENT
WAL-4	568	582	#4	13'-4"			5184		4 SHEETER PANEL AT LIFTING INS.
STRAIGHT									
WAL-6	851	870	#4	24'-6"			14238		I.F. VERTICAL REINFORCEMENT
WAL-7	816	834	#4	14'-0"			7800		I.F. VERTICAL REINFORCEMENT
WAL-8	114	122	#4	6'-8"			544		2 SHEETER PANEL L.F. @ LIFTING INS.
WAL-9	78	84	#3	6'-8"			211		2 SHEETER PANEL O.F. @ LIFTING INS.
WAL-10	182	182	#5	4'-4"		823			2 SHEETER PANEL BRACING REINF.
WAL-11	4	4	#4	16'-0"		43			OVERFLOW PANELS
WAL-12	546	560	#5	7'-9"	4527				4 SHEETER PANEL BRACING REINF.
WAL-13	12	12	#5	14'-0"	175				TEMPORARY MANHOLE PANEL
WAL-14	5	5	#4	20'-5"		68			do
WAL-15	10	10	#4	2'-5"		16			do
WAL-16	12	12	#5	24'-6"	307				do
WAL-17	4	4	#4	5'-10"		16			OVERFLOW PANELS
EXTRA	2	#5	30'-0"	63					
EXTRA	8	#4	30'-0"	160					
EXTRA	2	#3	30'-0"	23					
TOTAL					5895	30239	2147		
HEAVY BENDING									
TOTAL									
L BEND									
TOTAL									

## CURB

MARK	QUANTITIES		SIZE	LENGTH	WEIGHT			TYPE	LOCATION
	DESIGN	ORDER			No. 5	No. 4	No. 3		
ENC-1	90	93	#3	30'-0"			1049		WATERSTOP ENCASUREMENT
TOTAL							1049		

## TOTAL BAR WEIGHT

LOCATION	No.	No. 5	No. 4	No. 3	TOTAL (TYPE OF BARS)			TOTAL
					STRAIGHT	H. BEND.	L. BEND.	
FLOOR & FOOTING		8366	61321		69627			
HEAVY BENDING			4605			4605		
LIGHT BENDING							74292	
WALL		5895	30239	2147	38281			
HEAVY BENDING								38281
LIGHT BENDING								
CURB				1049	1049			1049
STRAIGHT		13095	1716		14811			
HEAVY BENDING		6863			6863			
LIGHT BENDING			5459			5459	27133	
MISC.								
STRAIGHT		217	293		510			
HEAVY BENDING			252		252			
LIGHT BENDING			152		152		914	
TOTAL		34436	104037	3196	124338	11720	5611	141669

## MISCELLANEOUS (ROOF)

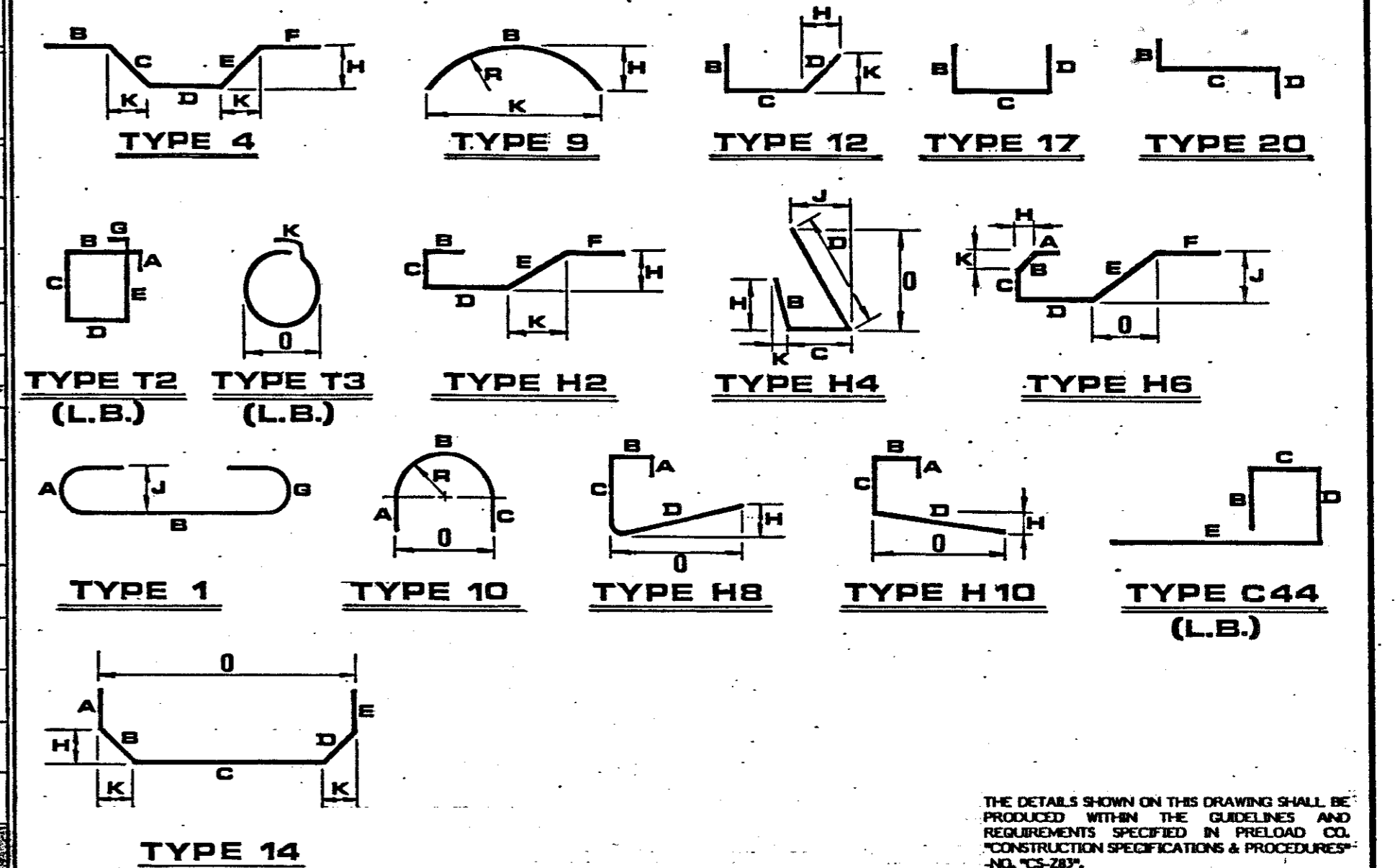
MARK	QUANTITIES		SIZE	LENGTH	WEIGHT			TYPE	LOCATION
	DESIGN	ORDER			No. 5	No. 4	No. 3		
MSC-1	32	33	#4	6'-0"		132			ROOF AT OVERFLOWS
MSC-2	4	4	#4	4'-10"		13			HATCH
MSC-3	24	26	#5	8'-0"		217			do
MSC-4	32	34	#4	6'-0"		136			AT MK ANC-9 IN ROOF SLAB
MSC-5	4	4	#4	4'-6"		12			INLET PIPE SUPPORT ON ROOF
STRAIGHT									
TOTAL						217	293		
HEAVY BENDING									
405	20	21	#4	3'-6"		49		1	VENT
408	20	21	#4	5'-0"		70			do
410	32	33	#4	2'-4"		51		17	SONIC TRANSMITTER
413	4	5	#4	7'-8"		26		17	HATCH
414	12	13	#4	4'-2"		36		17	do
416	12	12	#4	2'-6"		20		1	ROOF AT INLET PIPE
TOTAL						252			
L BEND									
404	2	2	#4	17'-6"		23		T3	VENT
406	1	1	#4	25'-1"		17		T3	do
407	2	2	#4	16'-6"		22		10	do
409	2	2	#4	15'-8"		21		T3	do
411	3	3	#4	8'-11"		18		T3	ROOF AT SONIC TRANSMITTER
412	3	3	#4	15'-11"		32		T3	do
417	1	1	#4	13'-10"		9		T3	ROOF AT INLET PIPE
418	1	1	#4	15'-5"		10		T3	do
TOTAL						152			

## LAP LENGTH

SIZE	LENGTH		SIZE	WEIGHT
	30φ	40φ		
3	1'-0"	1'-3"	3	.376
4	1'-3"	1'-8"	4	.668
5	1'-7"	2'-1"	5	1.043
6	1'-11"	2'-6"	6	1.502
7	2'-3"	2'-11"	7	2.044
8	2'-6"	3'-4"	8	2.670

## UNIT WEIGHT OF REBARS

- BENDING NOTE:** HOLD BENDING TOLERANCE TO +0", -1/2" FOR DIMENSIONS SHOWN THUS (\*)
- NOTES:**
- REBARS ARE TO BE NEW BILLET STEEL, ASTM A-615, GR. 60
  - MINIMUM LAP TO BE EQUAL TO 30 BAR DIAMETER UNLESS OTHERWISE NOTED.
  - WELDED WIRE FABRIC TO BE ASTM A-185-LAPS 1 1/2 SQS.
  - DESIGN QUANTITY IS THE NO. OF BARS PLACED IN THE STRUCTURE. ORDER QUANTITY REPRESENTS NO. OF BARS TO BE PURCHASED.
  - REINFORCING FOR ROOF SLAB NOT INCLUDED. SEE DWGS. TEX. 83-007-8, 9, 10 & 11.



MARK	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
400	#4	9'-9"	H2		2'-1"	*9/2"	2'-7/4"	1'-9/2"	2'-5/4"		10'		1'-7"		
401	#4	8'-9"	H2		2'-1"	*9/2"	2'-7/4"	1'-9/2"	1'-5/4"		10'		1'-7"		
402	#4	3'-0"	20		1'-1/2"	*8/2"	1'-1/4"								
403	#4	4'-8"	T3										1'-3/4"		1'-1"
404	#4	17'-6"	T3										1'-3/4"		5'-2"
405	#4	3'-6"	1	6"	3'-0"							4"			
406	#4	25'-1"	T3										1'-3		7'-7"
407	#4	16'-6"	10	7/4"	15'-3/4"	7/2"							4'-10 1/2"		9'-9"
408	#4	5'-0"	C44		7"	*5"	8"	3'-4"							
409	#4	15'-8"	T3										1'-3/2"		4'-7"
410	#4	2'-4"	17			1'-8"	8"								
411	#4	8'-11"	T3										1'-3/4"		2'-5"
412	#4	15'-11"	T3										1'-3"		4'-8"
413	#4	7'-8"	17		1'-4"	5'-0"	1'-4"								
414	#4	4'-2"	17			3'-0"	1'-2"								
415	#4	4'-0"	17			3'-4"	8"								
416	#4	2'-6"	1	6"	2'-0"										
417	#4	13'-10"	T3										1'-3/4"		4'-0"
418	#4	15'-5"	T3										1'-3/2"		4'-6"
500	#5	3'-8"	17			3'-2"	6"								
501	#5	8'-1"	17			5'-5"	2'-8"								

REVISIONS			
NO.	DATE	DESCRIPTION	BY CKD
1	9/1/86	REVISED AS SHOWN	E RAO

**PRELOAD**

839 STEWART AVENUE, GARDEN CITY, NEW YORK, 11530

THIS DRAWING IS THE PROPERTY OF THE PRELOAD COMPANY, INC. AND/OR PRELOAD TECHNOLOGY, INC. AND IS SUBJECT TO RETURN ON DEMAND. IT CONTAINS FEATURES OF DESIGN WHICH ARE FULLY COVERED BY PATENTS AND PATENTS PENDING AND COPYRIGHTS. IT IS SUBMITTED FOR USE ONLY IN CONNECTION WITH PROPOSALS OR CONTRACTS OF PRELOAD OR ITS LICENSEES, UPON THE EXPRESS CONDITION THAT IT MAY NOT BE USED ON ANY OTHER DIFFERENT PROJECTS WITHOUT PRIOR APPROVAL OF PRELOAD.

**WORKING DRAWING**

ONE 6.0 M.G. WATER STORAGE TANK  
ADDISON, TEXAS

**REBAR SCHEDULE**

DRAWN: PV	SCALE: N.T.S.	CONTRACT NUMBER: 86 PE 004
DESIGNED: FD	MTD:	DRAWING NUMBER: TEX
CHECKED: RAO	DATE: 4-24-86	NUMBER: 83-007-15