

Note to Designer:  
 The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

NO.	DATE	DESCRIPTION OF REVISIONS
1	7-12	Original Issue
2		
3		
4		

		STEEL LIST																													
Mark	Qty	90" Dia.			96" Dia.			102" Dia.			108" Dia.			114" Dia.			120" Dia.			126" Dia.			132" Dia.			138" Dia.			144" Dia.		
		No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth	No	Size	Lgth
a1	A	4	*5	8'-6"	4	*5	8'-9"	4	*5	9'-3"	4	*5	9'-6"	4	*5	10'-0"	5	*5	10'-3"	5	*5	10'-9"	5	*5	11'-0"	5	*5	11'-6"	5	*5	11'-9"
a2	A	4	*5	9'-3"	4	*5	9'-6"	4	*5	10'-0"	4	*5	10'-3"	4	*5	10'-9"	4	*5	11'-0"	5	*5	11'-6"	5	*5	11'-9"	5	*5	12'-6"	5	*6	12'-9"
a3	A	3	*5	10'-0"	4	*5	10'-3"	4	*5	10'-9"	4	*5	11'-0"	4	*6	11'-6"	4	*6	12'-0"	4	*6	12'-6"	5	*6	12'-9"	5	*6	13'-3"	5	*7	13'-9"
a4	A	3	*5	10'-6"	3	*5	11'-0"	4	*6	11'-6"	4	*6	12'-0"	4	*6	12'-6"	4	*6	13'-3"	4	*7	13'-6"	5	*7	14'-3"	5	*7	14'-6"	5	*8	15'-0"
a5	A	3	*5	11'-3"	3	*6	11'-9"	3	*6	12'-3"	4	*7	12'-9"	4	*7	13'-3"	4	*7	13'-9"	4	*7	14'-3"	4	*7	14'-6"	4	*7	15'-0"	5	*8	15'-6"
a6	A	3	*6	12'-0"	3	*6	12'-6"	3	*7	13'-0"	3	*7	13'-6"	4	*7	14'-0"	4	*7	14'-6"	4	*8	15'-0"	4	*8	15'-3"	4	*8	16'-0"	4	*8	16'-6"
a7	A	3	*5	7'-9"	4	*5	8'-0"	4	*5	8'-3"	4	*5	8'-6"	4	*5	9'-0"	4	*5	9'-3"	4	*5	9'-6"	5	*5	9'-9"	5	*5	10'-3"	5	*5	10'-6"
a8	A	3	*5	8'-6"	3	*5	9'-0"	4	*5	9'-3"	4	*5	9'-6"	4	*5	10'-0"	4	*5	10'-3"	4	*5	10'-6"	4	*5	10'-9"	5	*5	11'-6"	5	*5	11'-9"
a9	A	3	*5	9'-3"	3	*5	9'-9"	3	*5	10'-0"	4	*5	10'-6"	4	*5	11'-0"	4	*5	11'-3"	4	*5	11'-6"	4	*6	12'-0"	4	*6	12'-6"	5	*6	13'-0"
a10	A	3	*5	10'-3"	3	*5	10'-9"	3	*6	11'-0"	3	*6	11'-6"	4	*6	12'-0"	4	*6	12'-6"	4	*6	12'-9"	4	*7	13'-0"	4	*7	13'-9"	4	*7	14'-0"
a11	A	3	*5	11'-0"	3	*6	11'-6"	3	*6	12'-0"	3	*7	12'-6"	3	*7	13'-0"	4	*7	13'-6"	4	*7	13'-9"	4	*7	14'-3"	4	*7	14'-9"	4	*7	15'-3"
a12	A	3	*6	11'-9"	3	*6	12'-6"	3	*7	13'-0"	3	*7	13'-6"	3	*7	14'-0"	3	*7	14'-6"	4	*8	14'-9"	4	*8	15'-3"	4	*8	16'-0"	4	*8	16'-6"
b1	str	2	*4	19'-3"	2	*4	20'-3"	2	*4	21'-3"	2	*4	22'-3"	2	*4	23'-3"	2	*4	24'-3"	2	*4	25'-3"	2	*4	26'-6"	2	*4	27'-6"	2	*4	28'-6"
b2	str	8	*4	19'-0"	8	*4	20'-0"	8	*4	21'-0"	8	*4	22'-0"	10	*4	23'-0"	10	*4	24'-0"	10	*4	25'-0"	10	*4	26'-0"	10	*4	27'-0"	10	*4	28'-0"
b3	str	2	*4	12'-0"	2	*4	14'-6"	2	*4	17'-6"	2	*4	20'-3"	2	*4	15'-3"	2	*4	18'-0"	2	*4	19'-6"	2	*4	22'-6"	2	*4	23'-0"	2	*4	24'-0"
b4	str	2	*4	5'-0"	2	*4	7'-0"	2	*4	10'-3"	2	*4	12'-3"	2	*4	7'-9"	2	*4	10'-3"	2	*4	11'-9"	2	*4	14'-6"	2	*4	15'-0"	2	*4	16'-9"
b5	str							2	*4	3'-0"	2	*4	4'-3"				2	*4	2'-6"	2	*4	4'-3"	2	*4	6'-6"	2	*4	7'-0"	2	*4	9'-3"
b6	str																														
b7	str	2	*4	17'-6"	2	*4	18'-6"	2	*4	19'-6"	2	*4	20'-6"	2	*4	21'-6"	2	*4	22'-6"	2	*4	23'-9"	2	*4	24'-9"	2	*4	25'-9"	2	*4	26'-9"
b8	str	6	*4	17'-0"	6	*4	18'-0"	6	*4	19'-0"	8	*4	20'-0"	8	*4	21'-0"	8	*4	22'-0"	8	*4	23'-0"	8	*4	24'-0"	8	*4	25'-0"	10	*4	26'-0"
b9	str	2	*4	14'-6"	2	*4	17'-0"	2	*4	18'-6"	2	*4	15'-6"	2	*4	17'-0"	2	*4	19'-0"	2	*4	21'-3"	2	*4	22'-6"	2	*4	24'-6"	2	*4	21'-0"
b10	str	2	*4	9'-0"	2	*4	11'-3"	2	*4	13'-0"	2	*4	9'-9"	2	*4	11'-6"	2	*4	13'-3"	2	*4	15'-6"	2	*4	16'-9"	2	*4	19'-0"	2	*4	15'-3"
b11	str	2	*4	3'-6"	2	*4	5'-6"	2	*4	7'-6"	2	*4	4'-0"	2	*4	6'-0"	2	*4	7'-9"	2	*4	9'-9"	2	*4	11'-0"	2	*4	13'-6"	2	*4	9'-3"
b12	str							2	*4	2'-0"																					
b13	str																														
b14	str																														
c	str	5	*4	10'-6"	5	*4	11'-0"	5	*4	11'-6"	5	*4	12'-0"	5	*4	12'-6"	5	*4	13'-0"	5	*4	13'-6"	5	*4	14'-0"	5	*4	14'-6"	5	*4	15'-0"
d	A	6	*6	12'-3"	6	*6	12'-9"	6	*7	13'-3"	6	*7	13'-9"	6	*7	14'-6"	6	*7	15'-0"	6	*7	15'-6"	6	*8	16'-0"	6	*8	16'-6"	6	*8	17'-0"
e1	C	4	*5	3'-9"	4	*5	3'-9"	4	*5	4'-0"	4	*5	4'-3"	4	*5	4'-3"	5	*5	4'-6"	5	*5	4'-9"	5	*5	4'-9"	5	*5	5'-0"	5	*5	5'-3"
e2	C	4	*5	4'-0"	4	*5	4'-3"	4	*5	4'-6"	4	*5	4'-9"	4	*5	4'-9"	4	*5	5'-0"	5	*5	5'-3"	5	*5	5'-6"	5	*6	5'-9"	5	*6	6'-0"
e3	C	3	*5	4'-6"	4	*5	4'-9"	4	*5	5'-0"	4	*5	5'-3"	4	*5	5'-3"	4	*6	5'-9"	4	*6	6'-0"	5	*6	6'-0"	5	*6	6'-3"	5	*7	7'-6"
e4	C	3	*5	5'-0"	3	*5	5'-0"	4	*5	5'-3"	4	*5	5'-9"	4	*6	6'-0"	4	*6	6'-3"	4	*6	6'-6"	4	*6	6'-9"	5	*7	8'-0"	5	*7	8'-3"
e5	C	3	*5	5'-3"	3	*5	5'-6"	3	*5	5'-9"	4	*6	6'-3"	4	*7	7'-3"	4	*7	7'-9"	4	*7	8'-0"	4	*7	8'-3"	4	*8	8'-6"	5	*8	8'-9"
e6	C	3	*5	5'-9"	3	*6	6'-0"	3	*6	6'-3"	3	*6	6'-9"	4	*7	7'-9"	4	*7	8'-3"	4	*7	8'-6"	4	*7	8'-6"	4	*8	9'-6"	4	*8	9'-9"
e7	C	3	*5	6'-0"	3	*6	6'-3"	3	*6	6'-6"	3	*6	7'-0"	3	*7	8'-0"	4	*7	8'-6"	4	*7	8'-9"	4	*7	8'-9"	4	*8	9'-9"	4	*8	10'-0"
e8	C	9	*5	6'-0"	9	*6	6'-3"	10	*6	6'-6"	10	*6	7'-0"	11	*7	8'-0"	11	*7	8'-6"	12	*7	8'-9"	12	*7	8'-9"	13	*8	9'-9"	13	*8	10'-0"
e9	C	5	*5	6'-0"	5	*6	6'-3"	5	*6	6'-6"	5	*6	7'-0"	5	*7	8'-0"	6	*7	8'-6"	6	*7	8'-9"	6	*7	8'-9"	6	*8	9'-9"	6	*8	10'-0"
e10	C	2	*5	5'-9"	3	*6	6'-0"	3	*6	6'-3"	3	*6	6'-9"	3	*7	7'-9"	3	*7	8'-3"	3	*7	8'-6"	4	*7	8'-6"	4	*8	9'-6"	4	*8	9'-9"
e11	C	3	*5	5'-3"	3	*5	5'-6"	3	*5	5'-9"	3	*6	6'-3"	3	*7	7'-3"	3	*7	7'-9"	4	*7	8'-0"	4	*7	8'-3"	4	*8	8'-6"	4	*8	8'-9"
e12	C	3	*5	5'-0"	3	*5	5'-0"	3	*5	5'-3"	3	*5	5'-9"	3	*6	6'-0"	4	*6	6'-3"	4	*6	6'-6"	4	*6	6'-9"	4	*7	8'-0"	4	*7	8'-3"
e13	C	3	*5	4'-6"	3	*5	4'-9"	3	*5	5'-0"	3	*5	5'-3"	4	*5	5'-3"	4	*6	5'-9"	4	*6	6'-0"	4	*6	6'-0"	4	*6	6'-3"	4	*7	7'-6"
e14	C	3	*5	4'-0"	3	*5	4'-3"	3	*5	4'-6"	4	*5	4'-9"	4	*5	4'-9"	4	*5	5'-0"	4	*5	5'-3"	4	*5	5'-6"	4	*6	5'-9"	5	*6	6'-0"
e15	C	3	*5	3'-9"	3	*5	3'-9"	4	*5	4'-0"	4	*5	4'-3"	4	*5	4'-3"	4	*5	4'-6"	4	*5	4'-9"	4	*5	4'-9"	5	*5	5'-0"	5	*5	5'-3"
f1	str	4	*4	6'-6"	4	*4	7'-0"	4	*4	7'-3"	4	*4	7'-6"	4	*4	8'-0"	4	*4	8'-3"	5	*4	8'-6"	5	*4	9'-0"	5	*4	9'-3"	5	*4	9'-6"
f2	str	3	*4	7'-6"	4	*4	8'-0"	4	*4	8'-6"	4	*4	8'-9"	4	*4	9'-3"	4	*4	9'-6"	4	*4	9'-9"	5	*4	10'-6"	5	*4	10'-6"	5	*4	11'-0"
f3	str	3	*4	8'-9"	3	*4	9'-3"	3	*4	9'-6"	4	*4	10'-0"	4	*4	10'-3"	4	*4	10'-9"	4	*4	11'-3"	4	*4	12'-3"	4	*4	12'-0"	5	*4	12'-6"
f4	str	3	*4	10'-0"	3	*4	10'-3"	3	*4	10'-9"	3	*4	11'-3"	4	*4	11'-6"	4	*4	12'-0"	4	*4	12'-6"	4	*4	13'-0"	4	*4	13'-6"	4	*4	14'-0"
f5	str	3	*4	6'-0"	3	*4	6'-3"	4	*4	6'-6"	4	*4	6'-9"	4	*4	7'-0"	4	*4	7'-3"	4	*4	7'-6"	4	*4	7'-9"	5	*4	8'-0"	5	*4	8'-3"
f6	str	3	*4	7'-3"	3	*4	7'-6"	3	*4	8'-0"	4	*4	8'-3"	4	*4	8'-6"	4	*4	8'-9"	4	*4	9'-0"	4	*4	9'-6"	4	*4	9'-9"	5	*4	10'-0"
f7	str	3	*4	8'-3"	3	*4	8'-9"	3	*4	9'-3"	3	*4	9'-6"	3	*4	10'-0"	4	*4	10'-3"	4	*4	10'-6"	4	*4	11'-0"	4	*4	11'-6"	4	*4	12'-0"
f8	str	3	*4	9'-6"	3	*4	10'-0"	3	*4	10'-6"	3	*4	11'-0"	3	*4	11'-6"	3	*4	12'-0"	4	*4	12'-3"	4	*4	12'-9"	4	*4	13'-3"	4	*4	13'-6"
g	str	2	*4	9'-3"	2	*4	9'-9"	2	*4	10'-3"	2	*4	10'-9"	2	*4	11'-3"	2	*4	11'-9"	2	*4	12'-3"	2	*4	12'-9"	2	*4	13'-3"	2	*4	13'-9"
m1	str	4	*4	22'-0"	4	*4	23'-0"	4	*4	24'-0"	5	*4	25'-3"	5	*4	26'-3"	5	*4	27'-6"	5	*4	28'-6"	6	*4	29'-9"	6	*4	31'-0"	6	*4	32'-0"
m2	str	1	*4	22'-0"	1	*4	23'-0"	1	*4	24'-0"	1	*4	25'-3"	1	*4	26'-3"	1	*4	27'-6"	1	*4	28'-6"	1	*4	29'-9"	1	*4	31'-0"	1	*4	32'-0"