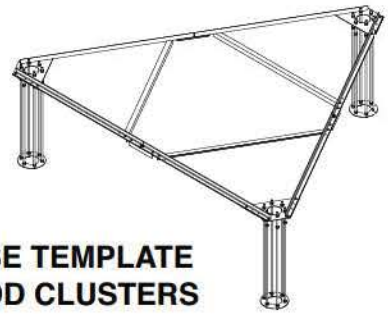
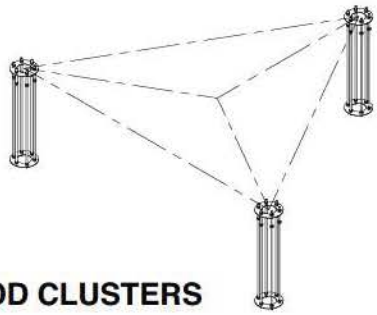
RT STANDARD SERIES FOUNDATIONS

TOWER HEIGHT (FT)	TOWER KIT P/N	ANCHOR ROD KIT P/N'S		FOUNDATION TYPE		
		FULL TOWER BASE TEMPLATE WITH ANCHOR ROD CLUSTERS	KIT WITH 3 ANCHOR ROD CLUSTERS	PIER	MAT	CAISSON
190	RT190L	18D1887RTFST	18D1887RT	P2	M6	C2
	RT190M	18H1894RTFST	18H1894RT	P5	M9	C8
	RT190H	18H2094RTFST	18H2094RT	P7	M10	C11
180	RT180L	15D1683RTFST	15D1683RT	P2	M5	C2
	RT180M	18H1694RTFST	18H1694RT	P5	M8	C8
	RT180H	18H1894RTFST	18H1894RT	P7	M9	C11
170	RT170L	15D1683RTFST	15D1683RT	P2	M5	C2
	RT170M	18D1687RTFST	18D1687RT	P4	M5	C6
	RT170H	18H1894RTFST	18H1894RT	P6	M9	C10
160	RT160L	12D1479RTFST	12D1479RT	P2	M4	C2
	RT160M	18D1487RTFST	18D1487RT	P4	M4	C6
	RT160H	18H1694RTFST	18H1694RT	P6	M8	C9
150	RT150L	12D1479RTFST	12D1479RT	P1	M4	C1
	RT150M	18D1487RTFST	18D1487RT	P3	M4	C4
	RT150H	18H1694RTFST	18H1694RT	P6	M8	C8
140	RT140L	12D1279RTFST	12D1279RT	P1	M3	C1
	RT140M	18D1287RTFST	18D1287RT	P3	M3	C4
	RT140H	18H1494RTFST	18H1494RT	P5	M7	C7
130	RT130L	12B1275RTFST	12B1275RT	P1	M3	C1
	RT130M	15D1283RTFST	15D1283RT	P3	M3	C3
	RT130H	18D1487RTFST	18D1487RT	P4	M4	C6
120	RT120L	12B1075RTFST	12B1075RT	N/A	M2	C1
	RT120M	15D1083RTFST	15D1083RT	N/A	M2	C3
	RT120H	18D1287RTFST	18D1287RT	P3	M3	C6
110	RT110L	12B1075RTFST	12B1075RT	N/A	M2	C1
	RT110M	15D1083RTFST	15D1083RT	N/A	M2	C3
	RT110H	18D1287RTFST	18D1287RT	P3	M3	C5
100	RT100L	12B0875RTFST	12B0875RT	N/A	M1	C1
	RT100M	12D0879RTFST	12D0879RT	N/A	M1	C3
	RT100H	18D1087RTFST	18D1087RT	N/A	M2	C5

ANCHOR ROD KITS MUST BE ORDERED SEPARATELY. ONLY ONE ANCHOR ROD KIT P/N IS REQUIRED.
N/A UNDER FOUNDATION TYPE INDICATES THAT THE FOUNDATION TYPE IS NOT COMPATIBLE WITH THE TOWER.



FULL TOWER BASE TEMPLATE WITH ANCHOR ROD CLUSTERS



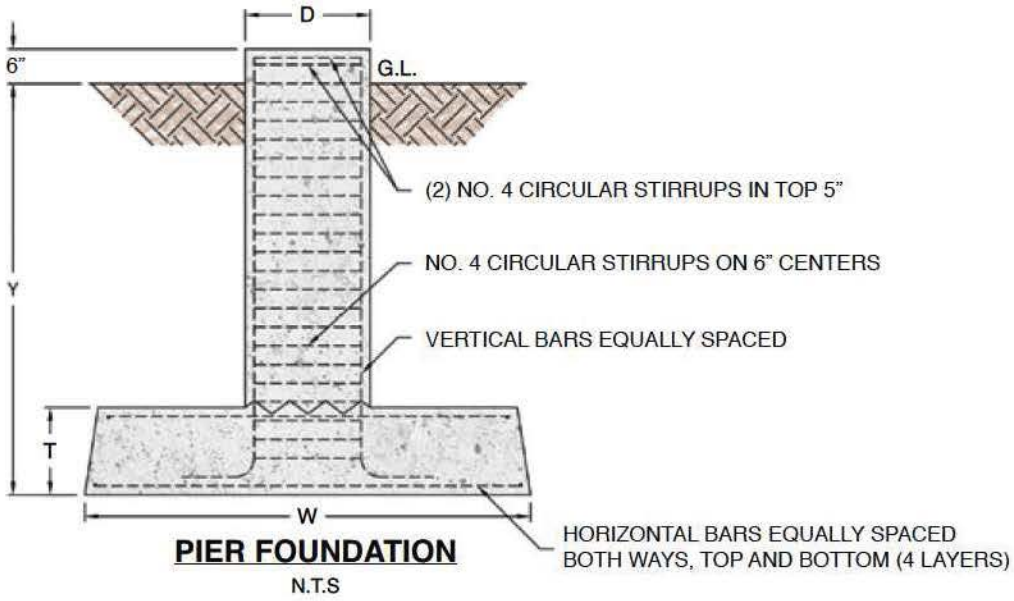
ANCHOR ROD CLUSTERS

www.3starinc.com

Email support@3starinc.com
Phone (804)550-7202

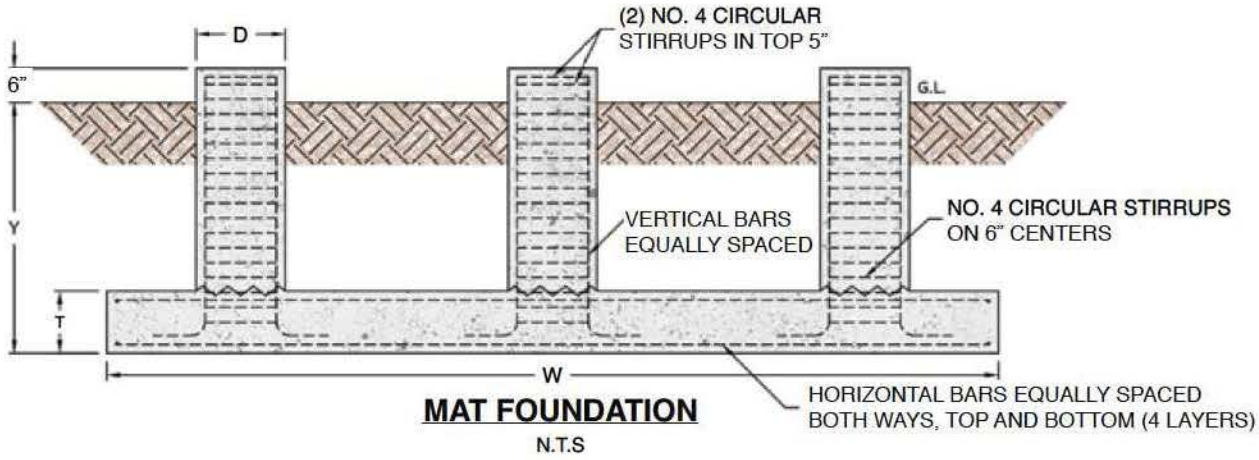
3 Star Inc
9487 King Air Ct. Unit C
Ashland, VA 23005

RT STANDARD SERIES FOUNDATIONS



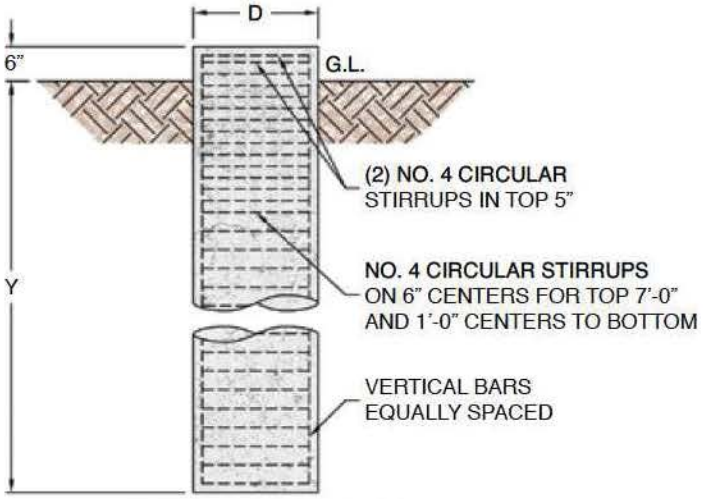
PIER FOUNDATION

N.T.S



MAT FOUNDATION

N.T.S



CAISSON FOUNDATION

N.T.S

www.3starinc.com

Email support@3starinc.com
Phone (804)550-7202

3 Star Inc
9487 King Air Ct. Unit C
Ashland, VA 23005

RT STANDARD SERIES FOUNDATIONS

PIER & PAD FOUNDATIONS							
ID	P1	P2	P3	P4	P5	P6	P7
D	2'-6"	2'-6"	2'-6"	2'-6"	3'-0"	3'-0"	3'-0"
Y	6'-0"	8'-0"	8'-0"	10'-0"	10'-0"	10'-0"	12'-0"
W	6'-0"	6'-0"	8'-0"	8'-0"	8'-0"	10'-0"	10'-0"
T	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
VERT BARS IN PIERS	8-#7	8-#7	8-#7	10-#7	12-#7	12-#8	12-#8
HORZ BARS IN EA. LAYER	8-#7	8-#7	10-#7	10-#7	10-#7	12-#7	12-#7
CONCRETE VOLUME	10.5	11.5	17.8	18.9	20.9	28.9	30.5

Concrete volume (cu-yds) is for 3 piers

MAT W/ RAISED PIER FOUNDATIONS										
ID	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10
D	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	3'-0"	3'-0"	3'-0"	3'-0"
Y	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-6"	5'-6"	5'-6"	5'-6"
W	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	20'-0"	22'-0"	24'-0"	26'-0"
T	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"
OFFSET, FT	1	1	1	1.25	1.5	1.5	1.25	1.5	1.5	1.75
VERT BARS IN PIERS	8-#7	8-#7	8-#7	8-#7	8-#7	8-#7	10-#7	10-#7	12-#7	12-#7
HORZ BARS IN EA LAYER	12-#6	12-#6	14-#6	16-#6	18-#6	18-#6	16-#6	18-#6	26-#6	26-#6
CONCRETE VOLUME	13.1	16.4	20.2	24.4	29.1	34.2	25.8	30.4	35.5	41.1

Concrete volume (cu-yds) is for mat and 3 piers

CAISSON FOUNDATIONS											
ID	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
D	2'-6"	2'-6"	2'-6"	2'-6"	3'-0"	3'-0"	3'-0"	3'-6"	3'-6"	4'-0"	4'-0"
Y	16'-0"	24'-0"	30'-0"	36'-0"	30'-0"	34'-0"	38'-0"	32'-0"	36'-0"	32'-0"	38'-0"
VERT BARS	8-#7	8-#7	8-#7	10-#7	10-#7	12-#7	12-#7	12-#7	14-#7	16-#7	16-#7
CONCRETE VOLUME	9.0	13.5	16.5	19.8	24.0	27.0	30.3	34.8	39.0	45.3	53.7

Concrete volume (cu-yds) is for 3 caissons

NOTES

1. Reduced foundation concrete volume and steel reinforcing may be possible when site-specific geotechnical data is available. Standard foundation designs are based on ANSI/TIA-222-G presumptive clay soil parameters which may be conservative for many site locations. Larger foundations may be required for unusually weak site-specific soil conditions. Contact ROHN for site-specific foundation designs when geotechnical data is available for a site.

2. Foundation details are provided for illustration purposes only and are not for construction. Complete foundation details, anchor rod layout details and foundation specifications are provided with the assembly drawings for each tower.

3. The purchaser must verify the suitability of a standard foundation design based on actual site conditions including the strength of soil, sloping grade, frost penetration and the potential for expansive or corrosive soil, etc. Foundation design modifications may be required based on site-specific conditions.

4. A site-specific investigation is required for Structure Class III towers per ANSI/TIA-222-G.