GENERAL FOUNDATION AND CONSTRUCTION NOTES

1. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS.
2. MAXIMUM ALLOWED WATER/CEMENT RATIO = 0.45
3. REINFORCED CONCRETE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI STANDARDS 318.
4. MINIMUM CONCRETE COVER OVER REBAR IS 3", OR AS NOTED.
5. BACKFILL SHALL BE SELECTED MATERIAL, WELL COMPACTED IN LAYERS NOT EXCEEDING 12".
6. BACKFILL SHALL BE PLACED SO AS TO PREVENT ACCUMULATION OF WATER AROUND THE FOUNDATION.
7. REINFORCING MATERIAL SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A615.
8. ALL REBAR TO BE GRADE 60 (UNLESS NOTED OTHERWISE).
9. ALL REBAR (HORIZONTAL & VERTICAL) SHALL BE SECURELY WIRE TIED TO PREVENT DISPLACEMENT DURING POURING OF CONCRETE.
10. GROUT ALL REBAR DOWELS INTO EXISTING FOUNDATION WITH HILTI HIT-RE 500 V3 EPOXY.
11. EMBEDDED STRUCTURAL ANCHOR STEEL SUPPLIED BY AMERICAN TOWER.
12. COLD CONSTRUCTION JOINTS TO BE THOROUGHLY CLEANED AND WETTED PRIOR TO SECOND POUR.

FOUNDATION AND ANCHOR TOLERANCES

ALL TOWERS

1. CONCRETE DIMENSIONS: PLUS OR MINUS 1"
2. DEPTH OF FOUNDATION: PLUS 3" OR MINUS 0"
3. DRILLED FOUNDATIONS OUT OF PLUMB: 1.0 DEGREE
4. REINFORCING STEEL PLACEMENT: PLUS OR MINUS 1/2" INCLUDING CONCRETE COVER
5. PROJECTIONS OF EMBEDMENTS: PLUS OR MINUS 1/4"
6. VERTICAL EMBEDMENTS OUT OF PLUMB: 1.0 DEGREE
7. SEE CHART BELOW FOR THE MINIMUM OVERLAP LENGTHS OF REBARS IF REQUIRED.

SELF SUPPORT TOWERS

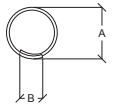
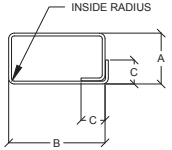
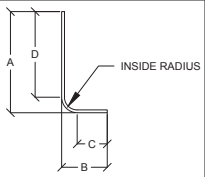
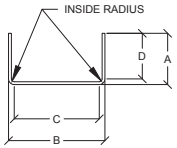
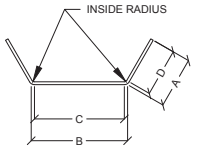
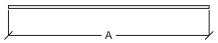
8. FACE SPREAD DIMENSION CENTER TO CENTER OF ANCHOR BOLT CIRCLES: PLUS OR MINUS 1/8" PER 5'-0" OF FACE SPREAD
9. MAXIMUM DISTANCE FROM CENTERLINE OF ANCHOR BOLT TO CENTERLINE OF FOUNDATION: 1/24TH OF PIER DIAMETER UP TO A MAXIMUM OF 2"
10. MAXIMUM DIFFERENCE BETWEEN ANY TWO FOUNDATION ELEVATIONS: 2"
11. ANCHOR BOLT SPACING: PLUS OR MINUS 1/8"
12. ANCHOR BOLT CIRCLE ORIENTATION : PLUS OR MINUS 0.5 DEGREES
13. ANCHOR BOLT CIRCLE DIAMETER: PLUS OR MINUS 1/8"

GUYED TOWERS

14. GUY RADIUS: PLUS OR MINUS 3% OF TOWER HEIGHT
15. ANCHOR ELEVATION: 3% OF TOWER HEIGHT ABOVE OR BELOW TOWER BASE. IF ELEVATIONS OF ANCHORS VARY BY MORE THAN 3%, ANCHOR RADIUS IS TO BE CHANGED TO KEEP THE ANCHOR LOCATED ON THE GUY FORCE RESULTANT. CALL AMERICAN TOWER FOR ASSISTANCE IF REQUIRED.
16. ANCHOR ALIGNMENT: (PERPENDICULAR TO GUY RADIUS): PLUS OR MINUS 1 DEGREE.
17. ANCHOR ROD SLOPE: PLUS OR MINUS 1 DEGREE
18. ANCHOR ROD ALIGNMENT: TOWARDS TOWER CENTER POINT, PLUS OR MINUS 0.25 DEGREE
19. GUY ANCHOR HEAD SIDES VERTICAL: PLUS OR MINUS 1 DEGREE.

STANDARD REBAR CHART

BAR SIZE	BAR DIAMETER (in.)	WEIGHT (lb/ft)	INSIDE BEND RADIUS	MINIMUM OVERLAP LENGTHS	DRILLED HOLE DIA.
3	0.375	0.376	1 1/8"	1'-0"	--
4	0.500	0.668	1 1/2"	1'-6"	5/8"
5	0.625	1.043	1 7/8"	2'-0"	3/4"
6	0.750	1.502	2 1/4"	2'-0"	7/8"
7	0.875	2.044	2 5/8"	2'-4"	1 1/8"
8	1.000	2.670	3"	2'-8"	1 1/4"
9	1.128	3.400	4 1/2"	3'-0"	1 3/8"
10	1.270	4.303	5"	3'-6"	1 1/2"
11	1.410	5.313	5 1/2"	4'-0"	1 5/8"

QTY REQ'D	REBAR SIZE	LENGTH	TOTAL WEIGHT (LBS)	TYPE	BENDING DIAGRAM	A	B	C	D	INSIDE RADIUS
				ROUND TIE						
				SQUARE OR RECTANGULAR TIE						
				VERTICAL 90° BEND						
22	#8	3 ' - 3 1/2"	193	L-SHAPE 90° BEND		2' - 9"	0' - 9"	0 ' - 5"	2 ' - 5"	3"
				U-SHAPE 90° BEND						
				U-SHAPE 60° BEND						
6	#8	10 ' - 0"	160	STRAIGHT		10 ' - 0"				
		TOTAL WEIGHT:	354							

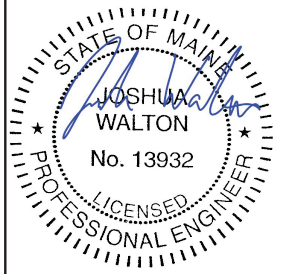
AMERICAN TOWER®
ATC TOWER SERVICES, LLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BJK	09/06/17

ATC SITE NUMBER:
10047

ATC SITE NAME:
PORTLAND ME
MAINE

SITE ADDRESS:
225 RIVERSIDE INDUSTRIAL PARKWAY
PORTLAND, ME 04103



Sep 11 2017 4:20 PM cosign

DRAWN BY:	BJK
APPROVED BY:	BMS/AT
DATE DRAWN:	09/06/17
ATC JOB NO:	OAA706994_C6_03

REBAR LIST

SHEET NUMBER:	REVISION:
A-RL	0