PROPOSED CARRIER: SPRINT NEXTEL

SITE: NC01660-B-SBA / BROADWAY

COORDINATES (LATITUDE: 35.434252°, LONGITUDE: -79.042177°)

## **CONSTRUCTION CLASS**

TES HAS DETERMINED THIS AS A CLASS IV CONSTRUCTION PROJECT PER ANSI/ASSE A10.48

> COMPLETE FABRICATION DRAWINGS FOR ALL MATERIALS REQUIRED FOR THIS PROJECT ARE AVAILABLE FROM TOWER ENGINEERING SOLUTIONS (TES). PLEASE CONTACT TES FOR MORE INFORMATION.

SHEET	SHEET TITLE	REV
T-1	TITLE SHEET	0
ВОМ	BILL OF MATERIALS	0
GN-1	GENERAL NOTES	0
A-1	TOWER PROFILE	0
FND-1	FOUNDATION MODIFICATION DETAILS	0
RBL-1	REBAR CHART	0
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
899 Balais		

# 250' SABRE SELF SUPPORTING TOWER

## NOTE:

1. THE MODIFICATION DRAWINGS ARE BASED ON THE TES PROJECT NO. 44402, DATED 01/25/18.

((H))

**Tower Engineering Solutions** 

8445 FREEPORT PARKWAY, SUITE 375 IRVING, TX 75063 PH: (972) 483-0607



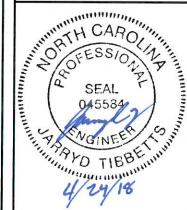
5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487 (800)-487-SITE

46709

CUSTOMER SITE NO: NC01660-B-SBA

CUSTOMER SITE NAME: **BROADWAY** 

106 J R LANE BROADWAY, NC 27505



DRAWN B	BY: CAH	CHECKED	) BY	: SH/HMA
REV.	DESCRIPTION T ISSUE		BY CAH	DATE 04/24/1
SHEET T	ITLE:	LANCE OF COMME		

TITLE SHEET

This drawing/document is the property of Tower Engineering Solutions, LLC. Information ontained herein is considered confidential ature and is to be used only for the pecific site that it was intended for. deproduction, transmission, publication or lisclosure by any method is prohibited except by express written permission from Tower Engineering Solutions, LLC. Without exception, the information on this drawing/document remains the property of Tower Engineering Solutions, LLC.

SHEET	NUMBER:	

1 - 1

	BILL OF MATERIALS							
QUANTITY REQUIRED	QUANTITY PROVIDED	PART NUMBER	DESCRIPTION	LENGTH	SHEET LIST	PIECE WEIGHT	WEIGHT (lb)	NOTES
			MATERIAL & HARDWARE					
			SEE FND-1 AND RBL-1		FND-1,RBL-1			
							**	
V-								
		4 4						
				×				
				19 00 00				
					A MANY TOWNS AND A STATE OF THE			
			COATING					
3	3		LANCO /HENRY 287 WHITE ACRYLIC ELASTOMERIC COATING AND SEALER OR EQUIV (GA	LLON)				PROVIDED BY CONTRACTOR
					77.4			
		-						
		Review of the second	NOTE: ALL MATERIALS REQUIRED FOR FOUNDATION MODIFICATIONS THAT ARE NOT LISTED	IN				
			THE BILL OF MATERIALS WILL BE PROVIDED BY CONTRACTOR, REFERENCE MODIFICATION					
		1930 W						
		NOTE: ALL MATE	I ERIALS, WHICH WEREN'T LISTED IN THE BOM, ARE ASSUMED TO BE PROVIDED BY THE CO	ONTRACTOR.				
					A CONTRACT OF THE CONTRACT OF			
					TOTAL W	VEIGHT (lb) =		PAGE 1 OF



#### **Tower Engineering Solutions**

8445 FREEPORT PARKWAY, SUITE 375 IRVING, TX 75063 PH: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487 (800)-487-SITE

46709

CUSTOMER SITE NO:

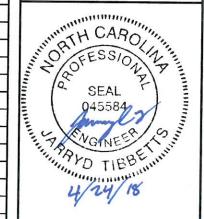
NCO1660-B-SBA

CUSTOMER SITE NAME:

BROADWAY

106 J R LANE

BROADWAY, NC 27505



DRAWN BY: CAH	CHECKED BY: SH/HMA
REV. DESCRIPTION  OFFIRST ISSUE  CONTROL  OFFIRST ISSUE	BY DATE  CAH 04/24/1
SHEET TITLE:	

BILL OF MATERIALS

This drawing/document is the property of Tower Engineering Solutions, LLC. Information contained herein is considered confidential in nature and is to be used only for the specific site that it was intended for. Reproduction, transmission, publication or disclosure by any method is prohibited except by express written permission from Tower Engineering Solutions, LLC. Without exception, the information on this drawing/document remains the property of Tower Engineering Solutions, LLC.

SHEET NUMBER:

BOM

0

REV #:

#### **GENERAL NOTES**

- ALL WORK SHALL COMPLY WITH THE ANSI/TIA-222-G, ANSI/ASSE A10.48/2012 NORTH CAROLINA BUILDING CODE, AND ANY OTHER GOVERNING BUILDING CODES AND OSHA SAFETY REGULATIONS.
- 2. ALL WORK INDICATED ON THE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TELECOMMUNICATIONS TOWER, POLE AND FOUNDATION CONSTRUCTION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF ALL MISCELLANEOUS PARTS (SUCH AS SHIMS), TEMPORARY SUPPORTS, AND GUYINGS, ETC., PER TIA-1019-A, TO COMPLETE THE ASSEMBLY AS SHOWN IN THE DRAWINGS.
- CONTRACTOR SHALL PROCEED WITH THE INSTALLATION WORK CAREFULLY SO THE WORK WILL NOT DAMAGE ANY EXISTING CABLE, EQUIPMENT OR THE STRUCTURE.
- 5. THE USE OF GAS TORCH OR WELDER, ARE NOT ALLOWED ON ANY TOWER STRUCTURE WITHOUT THE CONSENT OF THE TOWER OWNER
- 6. GENERALLY THE CONTRACTOR IS RESPONSIBLE TO CONDUCT AN ONSITE VISIT SURVEY OF THE JOB SITE AFTER AWARD, AND REPORT ANY ISSUES WITH THE SITE TO **TES** BEFORE PROCEEDING CONSTRUCTION.

#### **FABRICATION**

- 1. ALL STEEL SHALL MEET OR EXCEED THE MINIMUM STRENGTH AS SPECIFIED IN THE DRAWINGS. IF YIELD STRENGTH WAS NOT NOTED IN THE DRAWINGS, CONTRACTORS SHALL CONTACT TES FOR DIRECTION.
- 2. ALL FIELD CUT EDGES SHALL BE GROUND SMOOTH. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

#### WELDING

- 1. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNO. (E70XX UNLESS NOTED OTHERWISE).
- PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING APPROX. 0.5" BEYOND THE PROPOSED FIELD WELD SURFACES.
- 3. ALL WELDS SHALL BE INSPECTED VISUALLY. A MINIMUM OF 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. 100% OF WELDS SHALL BE INSPECTED IF DEFECTS ARE FOUND.
- 4. WELD INSPECTIONS SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- 5. AFTER INSPECTION, ALL FIELD WELDED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

#### BOLTED ASSEMBLIES AND TIGHTENING OF CONNECTIONS

- 1. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS AS APPROVED BY THE RCSC.
- 2. FLANGE BOLTS SHALL BE TIGHTENED BY THE AISC "TURN-OF-THE-NUT" METHOD. THE FOLLOWING TABLE SHOULD BE USED FOR THE "TURN-OF-THE-NUT" TIGHTENING.
- 3. SPLICE BOLTS AND ALL OTHER BOLTS IN BEARING TYPE CONNECTIONS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION.
- 4. THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED BY EITHER A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER WITH AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
- 5. HB HOLLO-BOLT SHALL BE INSTALLED PER ICC ESR-3330 INSTRUCTIONS.

#### VERIFICATION AND INSPECTION

1. IF APPLICABLE, VERIFICATION INSPECTION TO BE PERFORMED SHALL BE IN ACCORDANCE TO IBC-2012 SECTION 1705 - TABLE 1705.2.2 FOR STEEL CONSTRUCTION AND TABLE 1705.3 FOR CONCRETE CONSTRUCTION.

#### POST INSTALLED EPOXY INJECTED ANCHOR BOLTS:

- CONCRETE MUST BE A MINIMUM OF 28 DAYS OLD.
- 2. FOLLOW MANUFACTURER'S REQUIREMENTS FOR CURE TIME VS. AMBIENT TEMPERATURE.
- 3. DRILL HOLE TO REQUIRED DIAMETER AND DEPTH. ALL WATER, DIRT, OIL, DEBRIS, GREASE OR DUST MUST BE REMOVED FROM EACH CORE HOLE. FOLLOW MANUFACTURER'S RECOMMENDATION FOR CORRECT TYPE OF CORE BIT. AVOID DAMAGING EXISTING REINFORCING STEEL OR OTHER EMBEDDED ITEMS. NOTIFY TES ENGINEERING IF VOIDS IN THE CONCRETE, REINFORCING STEEL OR OTHER EMBEDDED ITEMS ARE ENCOUNTERED. STOP CORING IMMEDIATELY IF THIS OCCURS.
- A HOLE ROUGHENING DEVICE FROM EITHER HILTI OR ALLFASTENERS SHALL BE USED WITH ALL HOLES. FOLLOW ALL MANUFACTURER'S RECOMMENDED CORING AND INSTALLATION INSTRUCTIONS.
- AFTER CORING AND ROUGHENING, FLUSH EACH HOLE WITH RUNNING WATER TO REMOVE ANY SLURRY OR DEBRIS. REMOVE ALL WATER FROM THE HOLE BY MECHANICAL PUMPING.
- 6. BRUSH EACH HOLE WITH AN APPROPRIATE SIZED NYLON BRUSH AND FLUSH WITH RUNNING WATER A SECOND TIME. REMOVE ALL WATER FROM THE HOLE.
- 7. AFTER THE SECOND WATER FLUSH BRUSH THE HOLE AGAIN WITH THE APPROPRIATE SIZED NYLON BRUSH.
- 8. BLOW EACH HOLE WITH COMPRESSED AIR TWO TIMES MINIMUM.
- 9. CONFIRM THAT EACH HOLE IS PROPERLY ROUGHED AND DRY.
- 10. NO EPOXY INJECTION SHALL TAKE PLACE IN RAINY CONDITIONS.
- 11. EPOXY SHOULD BE VISIBLE AT THE TOP OF THE CORE HOLE AFTER INSTALLATION.
- 12. CONTRACTOR TO SUPPLY ONE PHOTO OF EACH ROUGHED AND CLEANED HOLE IN CLOSEOUT PHOTO PACKAGE.

## TABLE 8.2 NUT ROTATION FROM SNUG-TIGHT CONDITION FOR TURN-OF-NUT PRETENSIONING Q,b

	DISPOSITION OF OUTER FACE OF BOLTED PARTS				
BOLT LENGTH	BOTH FACES NORMAL TO BOLT AXIS	ONE FACE NORMAL TO BOLT AXIS, OTHER SLOPED NOT MORE THAN 1:20 <sup>d</sup>	BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO BOLT AXIS <sup>d</sup>		
NOT MORE THAN 4d <sub>b</sub>	1/3 TURN	1/2 TURN	2/3 TURN		
MORE THAN 4d <sub>b</sub> BUT NOT MORE THAN 8d <sub>b</sub>	1/2 TURN	2/3 TURN	5/6 TURN		
MORE THAN 8db BUT NOT MORE THAN 12db	2/3 TURN	5/6 TURN	1 TURN		

ONUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED. FOR REQUIRED NUT ROTATIONS OF 1/2 TURN AND LESS, THE TOLERANCE IS PLUS OR MINUS 30 DEGREES; FOR REQUIRED NUT ROTATIONS OF 2/3 TURN AND MORE, THE TOLERANCE IS PLUS OR MINUS 45 DEGREES.

- b APPLICABLE ONLY TO JOINTS IN WHICH ALL MATERIAL WITHIN THE GRIP IS STEEL.
- WHEN THE BOLT LENGTH EXCEEDS 12d<sub>b</sub>, THE REQUIRED NUT ROTATION SHALL BE DETERMINED BY ACTUAL TESTING IN A SUITABLE TENSION CALIBRATOR THAT SIMULATES THE CONDITIONS OF SOLIDLY FITTING STEEL.
- d BEVELED WASHER NOT USED.

SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 30, 2004 RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS

#### INSTALLATION TORQUE REQUIRED FOR HOLLO BOLTS AND AJAX BOLTS:

- 1. HB12 HOLLO BOLT: 59 FT-LBS
- 2. HB16 HOLLO BOLT: 140 FT-LBS
- 3. HB20 HOLLO BOLT: 221 FT-LBS
- 4. M20 AJAX BOLT: 280 FT-LBS.

#### FIELD HOT WORK PLAN NOTES:

#### FOLLOWING GUIDELINES SHALL BE COMPLIED WITH:

- CONTRACTOR'S RESPONSIBILITY TO COMPLETE A HOT WORK PLAN IF AWARDED PER CUSTOMER SPECIFICATIONS GUIDELINES FOR WELDING, CUTTING & SPARK PRODUCING WORK.
- 2. HAVE A FIRE PLAN APPROVED BY THE CUSTOMER AND THEIR SAFETY MANAGEMENT DEPT.
- CONTRACTOR MUST OBTAIN THE CONTACT INFO OF THE LOCAL FIRE DEPARTMENT AND THE 911
  ADDRESS OF THE TOWER SITE BEFORE CONSTRUCTION.
- 4. CONTRACTOR SHALL MAKE SURE THAT CELL PHONE COVERAGE IS AVAILABLE IN THE TOWER SITE. IF CELL COVERAGE IS NOT AVAILABLE, AN IMMEDIATE AVAILABLE MEANS OF DIRECT COMMUNICATION WITH THE FIRE DEPARTMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION START.
- 5. ALL CONSTRUCTION SHALL BE PERFORMED UNDER WIND SPEED LESS THAN 10 MPH ON THE GROUND LEVEL. IF WIND SPEED INCREASE, CONTRACTOR MUST DETERMINE IF CONSTRUCTION SHALL BE DISCONTINUED.
- 6. FIRE SUPPRESSION EQUIPMENT MUST BE MADE AVAILABLE ON SITE AND READY TO USE.
- 7. CONTRACTOR SHALL ASSIGN A FIRE WATCHER TO PERFORM FIRE-FIGHTING DUTIES.
- ALL WELDERS SHALL BE AWS OR STATE CERTIFIED. THEY MUST ALSO BE EXPERIENCED IN WELDING ON GALVANIZED MATERIALS.
- IF IT IS POSSIBLE, ALL EXISTING COAX NEAR WELDING AREA SHALL BE TEMPORARILY MOVED AWAY FROM THE WELDING AREA BEFORE WELDING THE PLATES.
- 10. PLEASE REPORT ANY FIELD ISSUE TO TES @ 972-483-0607.



#### **Tower Engineering Solutions**

8445 FREEPORT PARKWAY, SUITE 375 IRVING, TX 75063 PH: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487 (800)-487-SITE

46709

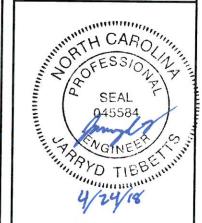
CUSTOMER SITE NO:

NC01660-B-SBA

CUSTOMER SITE NAME:

BROADWAY

106 J R LANE BROADWAY, NC 27505



DRAWN BY: CAH	CHECKED BY: SH/HM
REV. DESCRIPTION  FIRST ISSUE	BY DATE  CAH 04/24/1
SHEET TITLE:	

GENERAL NOTES

This drawing/document is the property of Tower Engineering Solutions, LLC. Informatio contained herein is considered confidential indure and is to be used only for the specific site that it was intended for. Reproduction, transmission, publication or disclosure by any method is prohibited except by express written permission from Tower Engineering Solutions, LLC. Without exception, the information on this drawing/document remains the property of Tower Engineering Solutions, LLC.

SHEET NUMBER:

GN-1

0

#### NOTES:

- 1. TEMPORARILY RELOCATE ANY EXISTING COAX ATTACHED TO THE TOWER AND ANY OTHER MEMBERS WHERE OBSTRUCTION WITH THE PROPOSED MODIFICATION
- 2. TEMPORARY RELOCATION OF EXISTING EQUIPMENT AROUND THE FOUNDATION MAY BE REQUIRED DURING CONSTRUCTION.

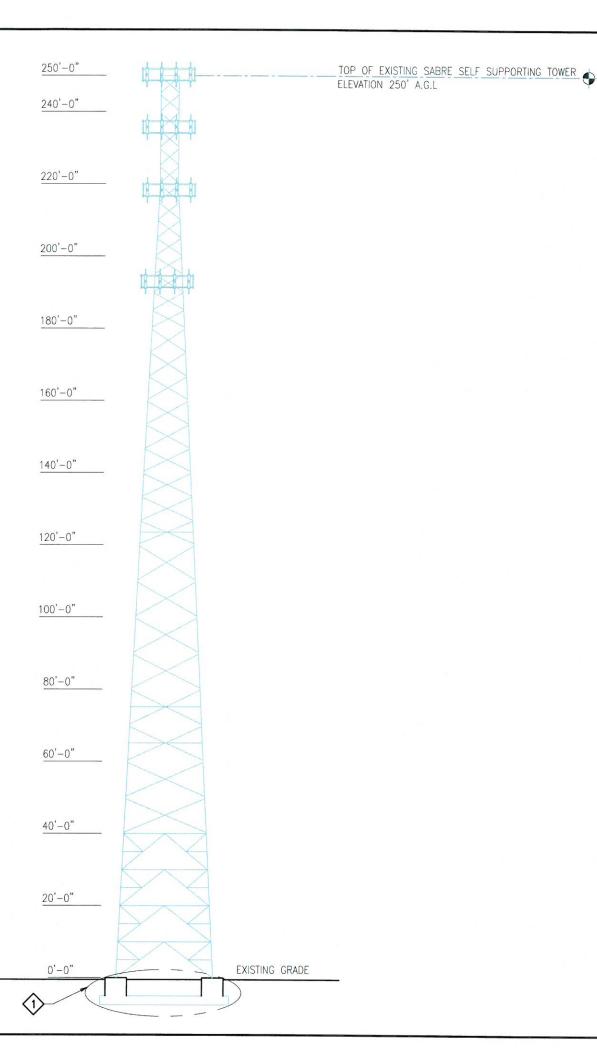
#### SCOPE OF WORK

FORM AND POUR NEW CONCRETE AROUND EXISTING PIER. SEE SHEET FND-1 FOR DETAILS.



#### **FOUNDATION COATING NOTES:**

- 1. THE COATING MATERIALS SHALL BE LANCO WHITE ACRYLIC ELASTOMERIC COATING AND SEALER, OR HYDRO ARMOR COATING.
- 2. THE COATING CAN BE PLACED AT LEAST (2) DAYS AFTER THE PLACEMENT OF THE CONCRETE FOR FOUNDATION REINFORCEMENT, AND MINIMUM (4) DAYS FOR NEW FOUNDATION CONSTRUCTION.
- 3. THE CONCRETE SURFACE SHALL BE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE COATING.
- 4. THE COATING SHALL BE APPLIED TO ALL THE SURFACES OF THE CONCRETE ABOVE THE GROUND AND 6" BELOW THE GRADE SURFACE IF APPLICABLE.
- 5. MINIMUM 30 MILS COATING IS REQUIRED.





#### **Tower Engineering Solutions**

8445 FREEPORT PARKWAY, SUITE 375 IRVING, TX 75063 PH: (972) 483-0607



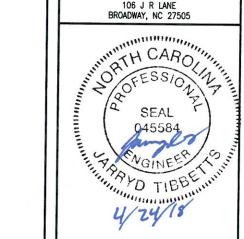
5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487 (800)-487-SITE

#### TES JOB NO: 46709

CUSTOMER SITE NO: NC01660-B-SBA CUSTOMER SITE NAME:

**BROADWAY** 

106 J R LANE



DRAWN BY: CAH	CHECKED BY	SH/HMA
REV. DESCRIPTION  FIRST ISSUE	CAH	DATE 04/24/18

SHEET TITLE:

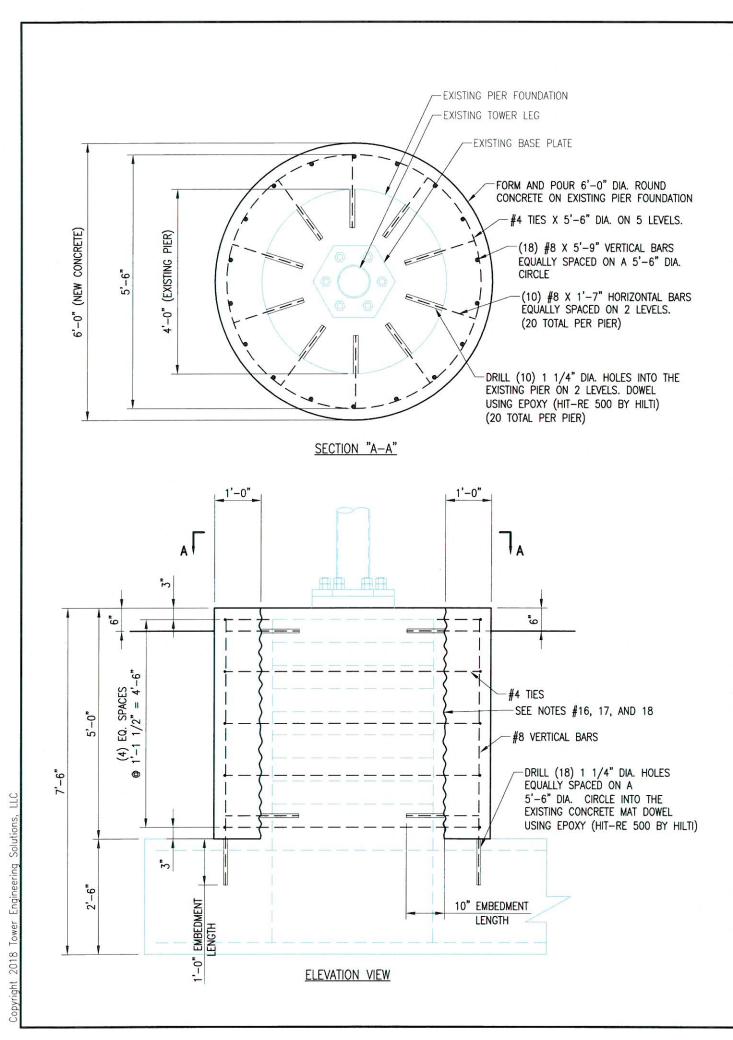
#### TOWER PROFILE

Tower Engineering Solutions, LLC. Information contained herein is considered confidential in nature and is to be used only for the specific site that it was intended for. Reproduction, transmission, publication or disclosure by any method is prohibited except by express written permission from Tower Engineering Solutions, LLC. Without exception, the information on this drawing/document remains the property of Tower Engineering Solutions, LLC.

SHEET NUMBER:

A-1

REV #:



#### NOTES:

- THE FOUNDATION MODIFICATION DESIGN IS BASED ON THE SOIL REPORT PROVIDED BY ARCADIS GERAGHTY & MILLER, (PROJECT # NCSBASPN.0018.CTOGT, DATED 05/20/99).
- CÓNCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- 3. TEST CYLINDERS SHALL BE MOLDED AND LABORATORY CURED IN ACCORDANCE WITH ASTM C31. THREE PAIRS OF CONCRETE COMPRESSION TEST CYLINDERS SHALL BE MADE FROM EACH TRUCK LOAD OF CONCRETE. TWO CYLINDERS SHALL BE TESTED AT 7 DAYS AND TWO CYLINDERS SHALL BE TESTED AT 28 DAYS. (REMAINING PAIR OF CYLINDERS ARE FOR REDUNDANCY).
- REINFORCED CONCRETE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI STANDARDS 318.
- ALL REBAR SHALL BE SECURELY WIRE TIED TO PREVENT DISPLACEMENT DURING POURING OF CONCRETE.
- 6. VERTICAL EMBEDMENTS OUT OF PLUMB: 1.0 DEGREE.
- 7. DEPTH OF FOUNDATION: PLUS 1" OR MINUS 0".
- 8. CONCRETE DIMENSIONS: PLUS OR MINUS 1/2".
- REINFORCING STEEL PLACEMENT: PLUS OR MINUS 1/2" INCLUDING CONCRETE COVER.
- 10. CONCRETE VOLUME: 2.91 CUBIC YARDS EACH (8.73 CUBIC YARDS TOTAL).
- MATERIALS FOR REINFORCING SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A615-85.
- 12. ALL REBAR TO BE GRADE 60 (UNLESS NOTED OTHERWISE)
- 13. CONCRETE SLUMP: 2"~4".
- 14. FOUNDATION BASE SHOULD REST ON FIRM AND LEVELED SURFACE.
- 15. FILL MATERIALS SHALL BE COMPACTED USING LAYERS OF NO MORE THAN 6".
  FINAL COMPACTION MUST BE A MINIMUM OF 95% DENSITY (THE MAXIMUM DRY UNIT OF WEIGHT). BACKFILL MATERIALS SHALL BE SANDY SILT (ML), SILT SAND (SM), CLAYED SAND (SC). NO ORGANIC MATERIALS, ROOTS, PLASTIC SILTS OR CLAYS, DELETERIOUS MATERIALS AND STONES SHALL BE USED. IF ROCK/SOIL MIXTURE IS USED AS BACKFILL, THE ROCK SIZE SHOULD BE LESS THAN 4" IN GREATEST DIMENSION AND NOT MORE THAN 15% BY WEIGHT SHALL BE LARGER THAN 2" IN GREATEST DIMENSION
- 16. CLEAN AND ROUGHEN THE SURFACE. THE SURFACE MUST BE PREPARED MECHANICALLY GIVING A SURFACE PROFILE OF MINIMUM 1/8", EXPOSING THE COARSE AGGREGATE OF THE OLD CONCRETE.
- 17. APPLY WELD-CRETE OR CORR-BOND AGENT OVER THE SURFACE OF THE OLD CONCRETE PER THE MANUFACTURER'S SPECIFICATIONS.
- 18. NEW CONCRETE MUST BE PLACED OVER THE BONDING AGENT WITHIN THE MAXIMUM ALLOWABLE TIME PER THE MANUFACTURER'S SPECIFICATIONS.
- 19. THE FOUNDATION MODIFICATION MUST BE PERFORMED AT A WIND SPEED LESS THAN  ${f 15}$  MPH.
- THE EXCAVATION, FORMING AND CONCRETE PLACEMENT MUST BE COMPLETED IN A TIMEFRAME NOT TO EXCEED 72 HOURS.
- 21. WHEN DRILLING THROUGH MAT/PAD FOUNDATIONS, EXISTING REBAR MAY BE ENCOUNTERED, REQUIRING THE USE OF HEAVY DUTY DRILLING BITS AND/OR OTHER EQUIPMENT. THE CONTRACTOR NEEDS TO BE AWARE OF THESE CONDITIONS AND BE PREPARED FOR THE USE OF HEAVY TOOLS OR EQUIPMENT TO ACCOMPLISH THESE TASKS.



#### **Tower Engineering Solutions**

8445 FREEPORT PARKWAY, SUITE 375 IRVING, TX 75063 PH: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487 (800)-487-SITE

46709

NC01660-B-SBA

CUSTOMER SITE NAME:

**BROADWAY** 

106 J R LANE BROADWAY, NC 27505

SEAL 945584 SEAL 945584 OTIBBE TO TIBBE TO TIBBE

DRAWN E	BY: <b>CAH</b>	CHECKE	D BY	SH/HMA
REV.	DESCRIPTION ST ISSUE		BY CAH	DATE 04/24/18
<u> </u>			_	

SHEET TITLE:

#### FOUNDATION MODIFICATION DETAILS

This drawing/document is the property of Tower Engineering Solutions, LLC. Information contained herein is considered confidential inature and is to be used only for the specific site that it was intended for. Reproduction, transmission, publication or disclosure by any method is prohibited except by express written permission from Tower Engineering Solutions, LLC. Without exception, the information on this drawing/document remains the property of Tower Engineering Solutions, LLC.

SHEET NUMBER:

1\_1

0

REV #:



#### Tower Engineering Solutions

8445 FREEPORT PARKWAY, SUITE 375 IRVING, TX 75063 PH: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW BOCA RATON, FL 33487 (800)-487-SITE

46709

CUSTOMER SITE NO: NC01660-B-SBA

CUSTOMER SITE NAME:

BROADWAY

106 J R LANE BROADWAY, NC 27505

SEAL O45584 PO TIBBE TO TIBBE TO THE TARK THE TA

DRAWN	BY: <b>CAH</b>	CHECKED B	Y: SH/HM
REV.	DESCRIPTION ST ISSUE		DATE 04/24/1
$\triangle$			

SHEET TITLE:

### REBAR CHART

This drowing/document is the property of Tower Engineering Solutions, LLC. Information contained herein is considered confidential in nature and is to be used only for the specific site that it was intended for. Reproduction, transmission, publication or disclosure by any method is prohibited except by express written permission from Tower Engineering Solutions, LLC. Without exception, the information on this drowing/document remains the property of Tower Engineering Solutions, LLC.

SHEET NUMBER:

RBL-1

REV #:

0