



Crown Castle
3530 Toringdon Way Suite 300
Charlotte NC 28277

Jerry Feathers
Tel (704) 405-6549
Fax (724) 416-6484
Email: Jerry.feathers.contractor@crowncastle.com

December 2, 2015

Melanie A. Bachman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: T-Mobile-Exempt Modification- EM-T-MOBILE-126-150812
T-Mobile Site ID: CTFF531A; Crown Site BU: 842873
Located at: 30 Oliver Terrace, Shelton, CT 06484

Dear Ms. Bachman:

This letter is to confirm that all construction activity has been completed. Pursuant to the Connecticut Siting Council approval of **EM-T-MOBILE-126-150812**, this letter is to satisfy item number two and number five of the approval letter that the CSC will be notified in writing within 45 days after completion of construction and that the was completed per the recommendation of the Structural Analysis. I have also enclosed a PMI document certified by a professional engineer stating the structural modifications were completed in accordance with the CD's and structural analysis. Page 3 of the PMI report shows the engineer's stamp.

Please contact me if you have any questions.

Sincerely,

Jerry Feathers

Property Specialist
704-405-6549

November 30, 2015



Mr. Dan Vadney
Crown Castle USA, Inc.
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
(518) 373-3510
Dan.Vadney@crowncastle.com

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351 (office)
(919) 661-6350 (fax)
PMI@tepgroup.net

Subject: Modification Inspection Report

Crown Castle Designation:	Crown Castle BU Number:	842873
	Crown Castle Site Name:	Shelton
	Crown Castle JDE Job Number:	314190

Engineering Firm Designation:	TEP Project Number:	63208.37048
--------------------------------------	----------------------------	-------------

Site Data:	30 Oliver Terrace
	Shelton, Fairfield County, CT 06484
	Latitude N 41° 17' 38.04", Longitude W 73° 6' 25.92"
	140 Foot – Monopole Tower

Dear Mr. Vadney,

Tower Engineering Professionals is pleased to submit this “**Modification Inspection Report**” (MI Report) to Crown Castle for the modification/reinforcement to the subject structure. This Modification Inspection (MI) was performed in accordance with Crown Castle ENG-SOW-10007 Modification Inspection SOW, Contract Documents, and Crown Castle Purchase Order number 820136. The purpose of this MI is to confirm that the modification installation configuration and workmanship are in accordance with the contract document(s) listed in Table 2. The MI is not a review of the adequacy or effectiveness of the modification/reinforcement solution.

Table 1 – General Information

	Company	Contact	Dates on Site
MI Inspector	Tower Engineering Professionals	Kevin Arnett, P.E., C.W.I.	N/A
MI Inspector Field Representative (if applicable)	Tower Engineering Professionals	Jordan Adams	11/19/15
<input checked="" type="checkbox"/> Independent <input type="checkbox"/> EOR <input type="checkbox"/> Turnkey			
Modification Design EOR	FDH Velocitel	Dennis D. Abel, P.E.	N/A
General Contractor	HPC Wireless Services	Lee Mottard	11/11/15
Sub to the General Contractor	N/A	N/A	N/A
Field CWI for the General Contractor	N/A	N/A	N/A
Field NDE for the General Contractor	N/A	N/A	N/A

Table 2 – Documents

Document(s)	Remarks	Source
Modification Drawings Date: July 15, 2015 EOR: Dennis D. Abel, P.E. Job#: 15BTZC1400	Creator of Drawings: FDH Velocitel Job #: 15BTZC1400 Date of Drawings: 7/15/15	CClisites Drawing File: 5785413

Based on our inspection, Tower Engineering Professionals, Inc. determines this project:

PASSING MI

The configuration, materials and/or workmanship of the modifications are installed in accordance with the Contract Documents and no deficiencies were found.

PASS AS NOTED MI

The configuration, materials and/or workmanship of the modifications are accepted as noted (see detail below).

FAILED MI

The configuration, materials and/or workmanship of the modifications are NOT installed in accordance with the Contract Documents. The rejection is based on non-conformance in the following area(s):

- Materials (see detail below)
- Workmanship (see detail below)
- Configuration (see detail below)

Discrepancies were noted between the As-Built field conditions and the structural modification drawings. The As-Built field conditions were approved by the Engineer of Record. All discrepancies are noted in the executive summary.

All observations were performed after the construction was complete. Tower Engineering Professionals, Inc. was not present during the construction phase. The onsite PMI was performed by Jordan Adams and Jessica Boulware of Tower Engineering Professionals, Inc., (919) 661-6351.

We at Tower Engineering Professionals, Inc. appreciate the opportunity of providing our continuing professional services to you and Crown Castle. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted,



Kevin Arnett, P.E., C.W.I.

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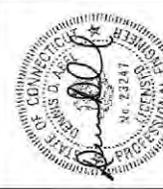
PRE-CONSTRUCTION

6.1.1 MI CHECKLIST DRAWING



PREPARED BY:
FDH VELOTEL
FACILITIES SERVICES INTERNATIONAL
1000 WEST 10TH AVENUE
DENVER, COLORADO 80202-1500

INTENDED TITLE:
CROWN CASTLE



8/16/16

ENGINEER:
THOMAS D. AND, P.E.
CONNECTICUT LIC. NO. 23247

DATE:
8/16/16

PROJECT:
RMC

CHECKED BY:
DAA

IN APPRVL:
DAA

DATE	SUBMITTALS	NOV
	DESCRIPTION	
	CONSTRUCTION	

THIS INFORMATION FOR RMC IS IN THE SET OF DRAWINGS TO BE REPRODUCED. THE TITLE IS A PROPERTY OF THE VELOTEL GROUP. THE VELOTEL GROUP IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS DOCUMENT.

PROJECT NUMBER:
15BTZC1400

SITE NAME:
SHELTON NE

SITE NUMBER:
842873

SITE ADDRESS:
**30 OLIVER TERRACE
SHELTON, CT 06484**

SHEET TITLE:
MODIFICATION INSPECTION CHECKLIST

SHEET NUMBER:
S-2

MODIFICATION INSPECTION NOTES:

GENERAL:
THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF TOWER MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION MODIFICATION CHANGES AS DESIGNED BY THE ENGINEER OF RECORD (EOR).
THE MI IS TO VERIFY CONSTRUCTION COMPLIANCE WITH THE REQUIREMENTS OF THE MI AND TO REVIEW OF THE MODIFICATION DESIGN. THE MI IS NOT A REVIEW OF THE STRUCTURAL MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY REMAINS WITH THE EOR AT ALL TIMES.
ALL MIs SHALL BE CONDUCTED BY A LICENSED ENGINEERING FIRM (EOR) OR ENGINEERING SERVICE (EOR) (EOR) THAT IS APPROVED TO PERFORM ELEVATED WORK FOR CROWN, SEE THE EOR FOR A LIST OF APPROVED FIRMS.
TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR (MI) BE AVAILABLE TO CONDUCT THE MI AS SOON AS A PO IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. IF CONTACT INFORMATION IS NOT KNOWN, CONTACT YOUR CROWN POINT OF CONTACT (POC).
REFER TO ENG-SOW-10007, MODIFICATION INSPECTION SOW, FOR FURTHER DETAILS AND REQUIREMENTS.

MI INSPECTOR:
THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:
• REVIEW THE REQUIREMENTS OF THE MI CHECKLIST.
• WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS.
THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE REQUIREMENTS OF THE MI CHECKLIST, CONDUCTING THE IN-FIELD INSPECTIONS AND SUBMITTING THE MI REPORT TO CROWN.

GENERAL CONTRACTOR:
THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION ON TOWER (PROJECT) TO, AT A MINIMUM:
• REVIEW THE REQUIREMENTS OF THE MI CHECKLIST.
• INSPECTORS SHALL BE AVAILABLE TO CONDUCT ON-SITE MIs.
• BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS.
THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST AND ENG-SOW-10007.

RECOMMENDATIONS:
THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF CONDUCTING AN INSPECTOR:
• IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 4 BUSINESS DAYS NOTICE TO THE MI INSPECTOR TO VISIT THE SITE. THIS SITE WILL BE READY FOR THE MI INSPECTOR TO VISIT.
• THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
• SHALL ADVISE US FOR ANY JUMP WIRE TENSIONING OR BEE TENSIONING OPERATIONS.
• IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE MI INSPECTIONS TO ALLOW FOUNDATION AND MI INSPECTIONS TO COME BACK WITH ONE SITE VISIT.
• WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MODIFICATION CONSTRUCTION TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON-SITE.

CANCELLATION OR DELAYS IN SCHEDULED MI:
IF THE GC AND MI INSPECTOR AGREE TO A DATE ON WHICH THE MI WILL BE RESCHEDULED AND EITHER PARTY CANCELS OR DELAYS, CROWN SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEEL, LOSS OF PROFITS AND/OR OTHER REMEDIES RELATED TO THE CANCELLATION OR DELAY. THE MI INSPECTOR SHALL BE RESPONSIBLE FOR ANY COSTS, FEEL, LOSS OF PROFITS AND/OR OTHER REMEDIES RELATED TO THE CANCELLATION OR DELAY. EXCEPTIONS MAY BE MADE IN THE EVENT THAT THE DELAY/CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

INSPECTIONS AND TESTING REQUIRED	MI CHECKLIST	REPORT ITEM	
PRE-CONSTRUCTION	X	MI CHECKLIST DRAWING	
	X	EOR APPROVAL	
	X	FABRICATION INSPECTION	
	N/A	FABRICATOR CERTIFIED WELD INSPECTION	
	X	MATERIAL TEST REPORT (MTR)	
	N/A	FABRICATOR NDE INSPECTION	
	N/A	NDE REPORT OF MONOPOLAR BASE PLATE	
	X	FOUNDING SLIPS	
	ADDITIONAL TESTING AND INSPECTIONS:		
	CONSTRUCTION		
X	CONSTRUCTION INSPECTIONS		
N/A	FOUNDATION INSPECTIONS		
N/A	CONCRETE COMPRESSIVE STRENGTH AND SLUMP TESTS		
N/A	POST INSTALLED ANCHOR ROD VERIFICATION		
N/A	BASE PLATE BOLT VERIFICATION		
N/A	CONTRACTORS CERTIFIED WELD INSPECTION AND NDE REPORTS		
N/A	EARTHWORK, LIFT AND DENSITY		
X	ON-SITE BOLT GALVANIZATION		
N/A	CIVIL WIRE TENSION REPORT		
X	GC AS-BUILT DOCUMENTS		
ADDITIONAL TESTING AND INSPECTIONS:			
POST-CONSTRUCTION			
X	MI INSPECTOR REVIEW OF RECORD DRAWINGS		
N/A	POST-INSTALLED ANCHOR BOLT PULL-OUT TESTING		
X	PHOTOGRAPHS		
ADDITIONAL TESTING AND INSPECTIONS:			

NOTE: X DENOTES A DOCUMENT NEEDED FOR THE MI REPORT
N/A DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

CORRECTION OF FAILING MIs:
IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI (FAILED MI), THE GC SHALL WORK WITH CROWN TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
• CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENTAL MI INSPECTION TO VERIFY THE CORRECTIVE WORK TO BE ANALYZE THE MODIFICATION REINFORCEMENT USING THE AS-BUILT CONDITION.

MI VERIFICATION INSPECTIONS:
CROWN RESERVES THE RIGHT TO CONDUCT A MI VERIFICATION INSPECTION TO VERIFY THE MODIFICATION AND CONFIRM THE STRESS OF PREVIOUSLY COMPLETED MI INSPECTIONS ON TOWER MODIFICATION PROJECTS.
VERIFICATION INSPECTIONS SHALL BE HELD TO THE SAME SPECIFICATIONS AND REQUIREMENTS AS IN THE CONTRACT DOCUMENTS AND IN ACCORDANCE WITH PROVISION 10007. VERIFICATION INSPECTIONS MAY BE CONDUCTED BY AN INDEPENDENT AGENCY FIRM AFTER A "PASSING MI" OR "PASS AS NOTED MI" REPORT FOR THE ORIGINAL PROJECT.

REQUIRED PHOTOS:
BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:
• PRE-CONSTRUCTION GENERAL SITE CONDITION
• PHOTOGRAPHS SHOWING THE REINFORCEMENT MODIFICATION CONSTRUCTION
• RAW MATERIALS
• PHOTOGRAPHS OF ALL CRITICAL DETAILS
• FOUNDATION MODIFICATIONS
• WELD PREPARATION
• BOLT INSTALLATION AND TORQUE
• SURFACE COATING REPAIR
• POST CONSTRUCTION PHOTOGRAPHS
• FINAL IN-FIELD CONDITION
PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.
THIS IS NOT A COMPLETE LIST OF REQUIRED PHOTOS. PLEASE REFER TO ENG-SOW-10007.

6.1.2 EOR APPROVAL



CROWN CASTLE MODIFICATION EOR RFI FORM

Version No. 1

General Information

Name:	Lee Mottard	Date Submitted:	9/17/15
Company:	HPC Wireless Services	Phone #:	770-855-8961
Email:	lmottard@hpcwireless.com	Contractor Project #:	842873
EOR:	FDH	EOR Project #:	15BTZC1400
Site Name:	SHELTON NE	BU #:	842873
WO #:	FDH.Job #J030219001	Crown Castle PM:	Dan Vadney

Instructions

Contractor to Complete

Engineering Issue Box – This space should contain an explanation of the question for the engineer of record along with any other information that he/she might need to competently and completely answer the enquiry. As part of this description, please provide any information regarding why any action in the field was taken.

Drawing Review Waiver – Check this box if you are requesting the shop drawing review to be waived.

Drawing Approval/No Deviation – Check this box if a shop drawing review is requested and the drawings do not deviate from the original design drawings.

Drawing Approval/Deviation – Check this box if a shop drawing review is requested and deviates from the original design drawings. The drawings should highlight any and all deviations from the original drawings. In addition, in the Engineering Issue box a description of the changes should be given with a reason for the deviation.

Clarification – Check this box if a further explanation of the design is needed to properly fabricate or install the modification as intended.

MI Review – Check this box if seeking approval for a modification inspection issue. In the engineering issue box an explanation of why the deviation occurred should be given.

Direction – Check this box if a course of action is needed from the engineer of record to proceed with the installation of the modifications as designed.

Interference/Field Issue – Check this box if there is a fit up issue with the modification as designed due to a field condition.

Other – Check this box for all other enquiries.

Attachments – If this box is checked 'Yes' a short description should be given of what is attached; e.g. photos, sketches, shop drawings, etc.

Engineer to Complete

Resolution Box – This space should contain the resolution from the engineer of record the enquiry.

Drawing Change Needed – If this box is checked 'Yes' then a drawing revision is required based upon the resolution to the enquiry.

Crown Approval Needed – If this box is checked 'Yes' then Crown Castle must be contacted for approval of the issue or resolution.

Sketch/Drawing Attached – If this box is checked 'Yes' then there is an illustration attached as part of the resolution.

ESP # – Associated ESP # should be included, if applicable.

Prepared By – The first and last name of the engineer who prepared the resolution should be entered with the date.

Approved By – The first and last name of the engineer of record that approved the resolution should be entered with the date.

Notes: This RFI form is for the purpose of addressing technical and construction related questions and issues. Final work authorization shall be approved by client and/or client's representative prior to proceeding with any work that deviates from the originals design, scope, price and/or schedule. This form is not an authorization of a change order.



**CROWN CASTLE MODIFICATION
EOR RFI FORM**
Version No. 1

Engineering Issue						
Action Required:	Drawing Review Waiver:		<input checked="" type="checkbox"/>	MI Review:	<input type="checkbox"/>	
	Drawing Approval/No Deviation:		<input type="checkbox"/>	Direction:	<input type="checkbox"/>	
	Drawing Approval/Deviation:		<input type="checkbox"/>	Interference/Field Issues:	<input type="checkbox"/>	
	Clarification:		<input type="checkbox"/>	Other:	<input type="checkbox"/>	
Attachments:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Description:	Approval for Waiver of Shop Drawings		
Resolution					Date Resolved:	10/09/15
Drawing Change:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Crown Approval Needed:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sketch/Drawing Attached:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	ESP # (If Applicable):			
This requirement can be waived. Approved.						
Prepared By:	Drew Alexander, EI			Date:	11/23/15	
Approved By:	Dennis Abel, PE			Date:	11/23/15	

Submit this form to the Modification Inspector to be included in the Post Modification Inspection Report.

6.1.3 FABRICATION INSPECTION



To: HPC Wireless Service, LLC
22 Shelter Rock Lane, Building C
Danbury, CT 06810

Subject: PO: 9679C

November 30, 2015

Please accept this letter as certification that our work on Steel Package for Shelton – 842873 was performed in accordance with industry standards and the contractor documents.

Please contact me if you have any questions.

Thank you,

Mark Wootten

Operations Manager

Allfasteners USA LLC

New York
69 Orchard Street,
Ramsey, New Jersey 07446
Tel 1-800-577-3171
Fax +1 (201) 783-8840

Cleveland
15401 Commerca Park Drive,
Cleveland, Ohio 44142
Tel 1-888-859-6060
Fax +1 (440) 232-6062

Los Angeles
5450 W. 83rd Street,
Los Angeles, California 90045
Tel +1 (310) 410-5007
Fax +1 (310) 410-5004

Nebraska
102 8th Street,
Gothenburg, Nebraska 69138
Tel 1-855-330-2210
Fax +1 (308) 537-3500



sales@allfasteners.com

www.allfasteners.com

6.1.4 MATERIAL TEST REPORT (MTR)



SSAB

Test Certificate

Form TC1 Revision 2: Date 23 Apr 2014

1770 Bill Sharo Boulevard, Muscatine, IA 52761-9412, US

Customer:		Customer P.O.No: F8882	Mill Order No. 41-429683-C2	Shipping Manifest: MRZ56963												
		Product Description: ASTM A572(15) 65M450 SILICON 04% MAX	Ship Date: 23 May 15	Cert No: 021516849 (Page 1 of 1)												
		Size: 1.000 X 96.00 X 486.0 (IN)														
Tested Pieces:																
Heat Id	Piece Id	Tested Thickness	Test Loc	YS (KSI)	UTS (KSI)	%RA	Elong % 2in Bin	Test Dir	Hardness	Charpy Impact Tests			Test Dir	Test Size (mm)	BD/RTT	
ASE167	C19	0.787 (DISCRT)	L	74	87		18	T								
ASE167	C22	1.250 (DISCRT)	L	72	86		17	T								
Heat					Chemical Analysis											
Heat Id	C	Mn	P	S	Si	Total Al	Cu	NI	Cr	Mn	Ca	V	Ti	B	N	ORIGIN
ASE167	15	1.44	0.08	0.03	0.04	0.025	1.32	16	0.7	0.05	0.027	0.00	0.007	0.0002	0.0095	USA
<p>STEEL</p> <p>MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.</p> <p>MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT</p> <p>100% MELTED AND MANUFACTURED IN THE USA.</p> <p>PRODUCTS SHIPPED:</p> <p>ASE167 C21 PCS: 1, LBS: 13330 ASE167 C20 PCS: 3, LBS: 52928</p>																
IPI Cust Part #:		WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE APPROPRIATE SPECIFICATION Brian Wales SENIOR METALLURGIST - PRODUCT														

Part Number	Description	Lot Number	Test Results									
			Proof Load (Mpa)		Hardness (HRC)				Wedge Tensile Test (ksi)			
			Spec	Sample	Spec	Max	A	B	Spec	A	B	
2NG2095	M20 x 95 NexGen2™ Structural Bolt	4750			33	38	36.5	38.8	150000	165545	165497	
2HHNM2025G2HM	M20-2.50 Heavy Hex Nut Grade 2H		1163	Conforms	24	36	26.8	32.1				
14LS934M	3/4 Shear Sleeve				24	33	25	27				
2NG2CW20	M20 NexGen2™ Collapsible Split Washer				23	34	32	33				
2NG2CWM	M20 Solid Collar Washer				23	34	32	33				

New York
69 Orchard Street,
Ramsey, New Jersey 07446
Tel 1-800-577-3171
Fax +1 (201) 783-8840

Cleveland
15401 Commerca Park Drive,
Cleveland, Ohio 44142
Tel 1-888-859-6060
Fax +1 (440) 232-6062

Los Angeles
5450 W. 83rd Street,
Los Angeles, California 90045
Tel +1 (310) 410-5007
Fax +1 (310) 410-5004

Nebraska
102 8th Street,
Gothenburg, Nebraska 69138
Tel 1-855-330-2210
Fax +1 (308) 537-3500

Fastener Type	Description	Thread Description
Steep Bolt Connector	2" Dia. x 3.1" Long	3/4" - 10 +0.020 x M20 x 2.5 +0.053 RE/RA
Fastener Specification	Coating Specification	Fastener Lot Number
ASTM A563 Gr DH		9656

Raw Material Lot Code	Raw Material Grade	Heat Number
19299-1	ASTM A108 Gr 4140	NF14101748

Cold Finish Source	Cold Finish Country	Melt Source	Melt Country
Nucor Cold Finish USA		Nucor Bar NE	USA

Heat Analysis per Material Supplier:

%C	%MN	%P	%S	%SI	%CR	%NI	%MO
0.400%	0.930%	0.009%	0.022%	0.290%	0.970%	0.07%	0.180%

Heat Treatment Process:

Harden @ 1550 F 2 Hrs., Oil Quench
 Temper @ 1175 F 2 Hrs., Air Cool

Test #1	Test #2	Test #3
Proof Load	Hardness	
Results	Results	Results
Pass	Pass	

We certify that this data is a true representation of information provided by our material supplier and testing laboratory and that these fasteners were manufactured, sampled, tested and inspected in accordance with the specifications listed.

These fasteners were manufactured and tested in the USA, from steel which was melted and manufactured in the USA.

New York
 69 Orchard Street,
 Ramsey, New Jersey 07446
 Tel 1-800-577-3171
 Fax +1 (201) 783-8840

Cleveland
 15401 Commerce Park Drive,
 Cleveland, Ohio 44142
 Tel 1-888-859-6060
 Fax +1 (440) 232-6062

Los Angeles
 5450 W. 83rd Street,
 Los Angeles, California 90045
 Tel +1 (310) 410-5007
 Fax +1 (310) 410-5004

Nebraska
 102 8th Street,
 Gothenburg, Nebraska 69138
 Tel 1-855-330-2210
 Fax +1 (308) 537-3500



sales@allfasteners.com

www.allfasteners.com

6.1.5 PACKING SLIPS



ALLFASTENERS®

USA

959 Lake Road
Medina, OH 44256
Ph: 888 859 6060
Fax: 440 232 6062
Email: sales@allfasteners.com

88 Orchard Street
Ramsay, NJ 07446
Ph: 800 577 9171
Fax: 201 783 8940
Email: sales@allfasteners.com

5450 W. 83rd Street
Los Angeles, CA 90045
Ph: 310 410 5007
Fax: 310 410 5004
Email: sales@allfasteners.com

HPC Wireless Services, LLC
6 Avenue E
Hopkinton MA 01748

OFFICE COPY

Packing Slip

91585

Acc No: 9168

Order Date	Ship Date	Customer Order No.	Ordered By	Contact No.	Reference	Entered By
09.17.2015	09.22.2015	9679C	Valerie		842873 - SHELION	CDC
Order Code	Description	Unit	Qty Ordered	Back Order	Supplied	BinCode
14CCI-SFP-06010015	1 x 6 x 15ft Standard Flat Plate Grade 65 Galvanized with 24 Holes	Each	3		3	
RNG2095	M20 x 95 NexGen2™ Structural Bolt Set Magni Coat 24/Box	Each	96		96	
2RCNGM20212A	M20 x 3/4 x 2-1/2 Step Bolt Adapter Assembly Magni 565	Each	8		8	
	Includes:					
	Step Bolt Adapter					
	Step Bolt					
	Jam Nut					
10CERT	Certifications	Each	1		1	
10PROMO-COOKIES	AF Quart of Cookies	Each	1		1	
FREIGHTOUT	Shipping & Handling Charge		1		1	
PICKED BY	PACKED BY	CHECKED BY	DISPATCH VIA	SPECIAL MESSAGE	RECEIVED IN GOOD ORDER & CONDITION	
			BEST WAY		PLEASE CHECK ALL ITEMS BEFORE SIGNING. DISCREPANCIES MUST BE REPORTED WITHIN 7 DAYS.	
			458-261007-1	TERMS		
				NET 30 Days		

12.1.15 7:40:24 AM

Page 1 of 1

CONSTRUCTION

6.2.1 CONSTRUCTION INSPECTIONS



HPC Wireless Services
22 Shelter Rock Lane.
Building C
Danbury, CT, 06810
P.: 203.797.1112

November 25th, 2015

Delivered Via email

Re: Crown BU# 842873 – “SHELTON NE”

To Whom It May Concern,

This letter is to confirm that all work performed at Crown Monopole 842873, 30 Oliver Terrace, Shelton, CT 06484 was performed in accordance with industry standards and contract documents including modification drawings and specifications, state and local regulations, OSHA, and Engineering standards.

Construction commencement: 11/6/15
Construction completion: 11/11/15

Regards,

A handwritten signature in black ink, appearing to read "Lee Mottard", written over a faint circular stamp.

Lee Mottard

Area Manager - NE

22 Shelter Rock Lane, Bldg. C
Danbury, CT 06810

Mobile: (770) 855-8961

Email: lmottard@hpcwireless.com

Boston

Albany

Buffalo

Danbury

Philadelphia

Raleigh

Atlanta

6.2.2 ON SITE COLD GALVANIZING VERIFICATION



HPC Wireless Services
22 Shelter Rock Lane.
Building C
Danbury, CT, 06810
P.: 203.797.1112

November 30th, 2015

Delivered Via email

Re: Crown BU# 842873 – “Shelton NE”

To Whom It May Concern,

This letter is to confirm that any and all applications of cold galvanization at Crown Monopole 842873, 30 Oliver Terrace, Shelton, CT was performed in accordance with all applicable industry standards and contract documents. **NOTE:** There was no hot-work (Welding) performed on this site with this SOW.

Construction commencement: 11/6/15

Construction completion: 11/11/15

Regards,

A handwritten signature in blue ink, appearing to read 'Lee Mottard', written over a blue circular stamp.

Lee Mottard

Area Manager - NE

22 Shelter Rock Lane, Bldg. C
Danbury, CT 06810

Mobile: (770) 855-8961

Email: lmottard@hpcwireless.com

Boston

Albany

Buffalo

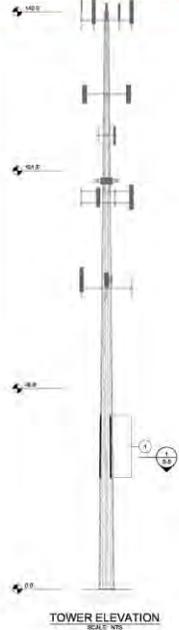
Danbury

Philadelphia

Raleigh

Atlanta

**AS-BUILT
HPC WIRELESS SERVICES**



- CONTRACTOR SHALL VERIFY ALL APERTURE CONDITIONS AND DIMENSIONS IN RELATIONSHIP TO THIS MODIFICATION. APERTURE DIMENSIONS MAY NEED TO BE TOLERANCE ENGINEERED DURING THE INSTALLATION OF THE MODIFICATION. CONTRACTOR SHALL IMMEDIATELY REPORT ANY APERTURE DISCREPANCIES TO THE EOR AND CROWN CASTLE PRIOR TO PROCEEDING WITH THE WORK.
- ALL MODIFICATIONS TO BE INSTALLED CONFORMABLY THROUGH EXISTING EQUIPMENT. ALL EXISTING EQUIPMENT NOT TO BE DAMAGED OR TAKEN OFF AIR DURING INSTALLATION.
- SEE STRUCTURAL ANALYSIS REPORT FOR EXISTING ANTENNA LOADING.
- CONTRACTOR TO FIELD VERIFY DIMENSIONS & LOCATIONS OF PROPOSED MODIFICATIONS PRIOR TO STEEL FABRICATION.

Flats installed on appropriate flats from 26" to 41" AGL - EOR APPROVED

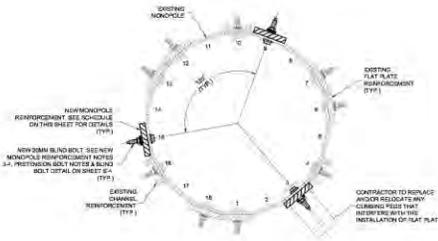
TOWER MODIFICATION SCHEDULE

NO.	TYPE OF MODIFICATION	BTM ELEV.	TOP ELEV.	SHEET
1	INSTALLATION OF NEW MONOPOLE REINFORCEMENT	27'0"	29'0"	S-5

CROWN CASTLE REINFORCEMENT INSTALLATION SCHEDULE

ELEVATION"	QTY.	FLAT NUMBER	COARSE P. PLATE (W/ASD)	MAX. STITCH-BOLT SPACING	BLIND BOLT QUANTITY	STEEL WEIGHT (LBS.)
27'0" TO 29'0"	3	3, 8, 16	CS-107-1000000	1'-0"	24"	385.0'
TOTAL						385.0'

QUANTITY SHOWN IS FOR (1) REINFORCEMENT PLATE



MONOPOLE REINFORCEMENT LAYOUT SECTION VIEW
SECTION NTS

CROWN CASTLE

THOMAS S. ABEL, P.E.
CONTRACTING, LLC, 405-200-0000

DESIGNED BY: **PHILIP**
CHECKED BY: **JAMES**
DATE: **03/04/2015**

SUBMITTALS	
NO.	DESCRIPTION
1	CONSTRUCTION
2	
3	
4	
5	

PROJECT NUMBER:
158TZC1400

SHEET NAME:
SHELTON NE

PROJECT ADDRESS:
842873

SITE ADDRESS:
**30 OLIVER TERRACE
SHELTON, CT 06484**

SHEET TITLE:
**MODIFICATION SCHEDULE &
FLAT PLATE INSTALLATION
DETAILS**

SHEET NUMBER:
S-5

POST-CONSTRUCTION

AS-BUILT HPC WIRELESS SERVICES

CONTRACTOR RESPONSIBILITY TO VERIFY ALL DIMENSIONS: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, INCLUDING BUT NOT LIMITED TO THE LOCATION OF CONCRETE REINFORCEMENT, AND EXTRA CHARGE FOR CONSTRUCTION SHALL BE ALLOWED DUE TO THE LOCATION OF CONCRETE REINFORCEMENT. ANY DIMENSIONS INDICATED BY THE CONTRACTOR SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS.

STEEL:

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.
2. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS. ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.
3. ALL WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS. ALL WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.
4. ALL STEEL MEMBERS SHALL BE FABRICATED AND DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS. ALL STEEL MEMBERS SHALL BE FABRICATED AND DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.

COLD GALVANIZATION SURFACE PREPARATION NOTES:

1. CONTRACTOR TO USE ZINCA OR ZINCO COAT GALVANIZATION COMPOUND OR APPROVED EQUIVALENT.
2. CONTRACTOR TO APPLY QUALIFIED COAT OF GALVANIZATION COMPOUND TO ALL EXPOSED SURFACES OF STRUCTURAL STEEL MEMBERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS.
3. CONTRACTOR TO APPLY QUALIFIED COAT OF GALVANIZATION COMPOUND TO ALL EXPOSED SURFACES OF STRUCTURAL STEEL MEMBERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS.

NEW MONOPILE REINFORCEMENT NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS.
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CONTRACTOR QUALIFICATION NOTES:

1. ALL REPAIRS SHALL BE PERFORMED BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS EXPERIENCE IN THE REPAIR AND RECONSTRUCTION OF STEEL STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS.
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JOB SITE SAFETY & NOTES:

1. NEITHER THE PROFESSIONAL ARCHITECT NOR THE PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL DIMENSIONS AND REQUIREMENTS OF THE DRAWINGS.
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STEEL GRADE SCHEDULE

SCOPE	SHAPE	GRADE	YIELD STRENGTH (F _y)	ULTIMATE STRENGTH (F _u)
MONOPILE	PLATE	A572	50	65
REINFORCEMENT	BAR	A615	60	75

CONSTRUCTION NOTES:

TEP RED LINES
November 30, 2015
Jordan Adams
X Built As Draw
Contractor Red Line Verified
Discrepancies Noted

FDH VELODTEL
ASBESTOS REMEDIATION
CONSTRUCTION

CROWN CASTLE

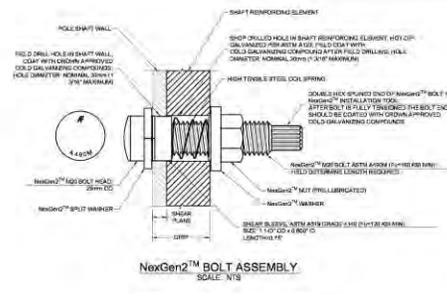
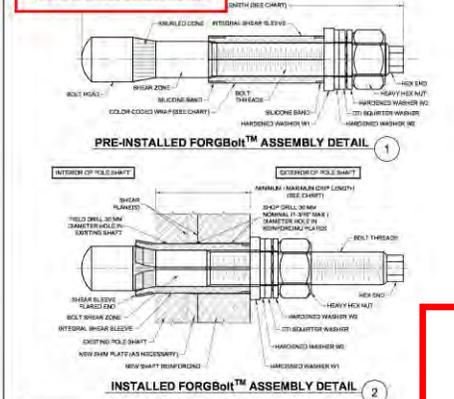
15B7ZC1400

SHELTON CT

30 OLIVER TERRACE
SHELTON, CT 06484

S-3

AS-BUILT HPC WIRELESS SERVICES



TEP RED LINES
November 30, 2015
Jordan Adams
X Built As Draw
Contractor Red Line Verified
Discrepancies Noted

NOTES:

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.
2. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.
3. ALL WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND THE AISC 360-10 SPECIFICATIONS.

GROUP	FORGBoIt™ Size	Overall Length (inches)	Estimated Weight (lbs)	Grip Range (inches)	Comment	Color Code
1	1/2"	8.5"	1.3	3/8" to 1"		RED
2	3/4"	10.5"	1.8	1/2" to 1 1/4"		ORANGE
3	1"	12.5"	2.3	3/4" to 1 3/4"		YELLOW
4	1 1/4"	15.5"	3.1	1" to 2"		GREEN
5	1 3/4"	18.5"	3.9	1 1/4" to 2 1/4"		BLACK

FORGBoIt™ Installation

Follow all Manufacturer/Supplier Recommendations for Installation, Tightening, and Inspection.

BOLT HOLE NOTES:

1. ALL BOLT HOLES SHALL BE NORMAL DRILLING.
2. ALL BOLT HOLES SHALL BE NORMAL DRILLING.
3. ALL BOLT HOLES SHALL BE NORMAL DRILLING.

FDH VELODTEL
ASBESTOS REMEDIATION
CONSTRUCTION

CROWN CASTLE

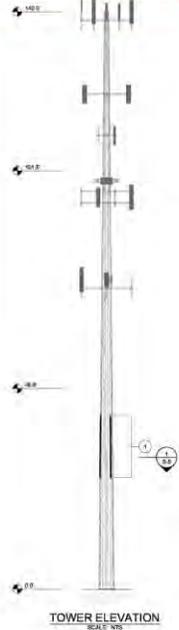
15B7ZC1400

SHELTON CT

30 OLIVER TERRACE
SHELTON, CT 06484

S-4

**AS-BUILT
HPC WIRELESS SERVICES**



- CONTRACTOR SHALL VERIFY ALL APPOINTMENT CONDITIONS AND DIMENSIONS IN RELATIONSHIP TO THIS MODIFICATION APPOINTMENTS MAY NEED TO BE TEMPORARILY REMOVED OR MODIFIED DURING THE INSTALLATION OF THIS MODIFICATION CONTRACTOR SHALL IMMEDIATELY REPORT ANY ANOMALIES/ DISCREPANCIES TO THE EOR AND CROWN CASTLE PRIOR TO PROCEEDING WITH THE WORK.
- ALL MODIFICATIONS TO BE INSTALLED CONTINUOUSLY THROUGH EXISTING EQUIPMENT. ALL EXISTING EQUIPMENT NOT TO BE DAMAGED OR TAKEN OFF AIR DURING INSTALLATION.
- SEE STRUCTURAL ANALYSIS REPORT FOR EXISTING ANTENNA LOADING.
- CONTRACTOR TO FIELD VERIFY DIMENSIONS & LOCATIONS OF PROPOSED MODIFICATIONS PRIOR TO STEEL FABRICATION.

Flats installed on appropriate flats from 26'0" to 41'8" AGL - EOR APPROVED

TOWER MODIFICATION SCHEDULE

NO.	TYPE OF MODIFICATION	BTM ELEV.	TOP ELEV.	SHEET
1	INSTALLATION OF REINFORCEMENT REINFORCEMENT	27'0"	42'0"	5-5

CROWN CASTLE REINFORCEMENT INSTALLATION SCHEDULE

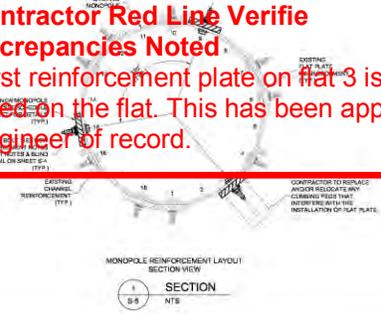
ELEVATION"	QTY.	FLAT NUMBER	CO/ASFP PLATE (W/ASFP)	MAX. STITCH-BOLT SPACING	BLIND BOLT QUANTITY	STEEL WEIGHT (LBS.)
27'0" TO 42'0"	3	3, 8, 18	CO/FP/REINFORCE	1'0"	24"	388 LB
TOTAL						388 LB

QUANTITY SHOWN IS FOR (1) REINFORCEMENT PLATE

**TEP REDLINES
November 30, 2015
Jordan Adams**

**Built As Drawn
X Contractor Red Line Verifie
X Discrepancies Noted**

The first reinforcement plate on flat 3 is not centered on the flat. This has been approved by the engineer of record.



FDH VELOCITY
AERIAL PHOTOGRAMMETRY
IMAGERY
PROCESSED TO 30 CM GSD

CROWN CASTLE

STATE OF CONNECTICUT
OFFICE OF THE REGISTERED PROFESSIONAL ENGINEERS
18-22741
JORDAN ADAMS
LICENSED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY: JAC
CHECKED BY: JAC
DATE: 10/20/15

SUBMITTALS

NO.	DESCRIPTION	DATE
1	CONSTRUCTION	11/15/15

THE INFORMATION CONTAINED ON THIS SET OF DRAWINGS IS THE PROPERTY OF VELOCITY. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF VELOCITY.

PROJECT NUMBER: 158TZC1400

CLIENT NAME: SHELTON NE

PROJECT ADDRESS: 842873

CLIENT ADDRESS: 30 OLIVER TERRACE
SHELTON, CT 06484

DRAWING TITLE: MODIFICATION SCHEDULE & FLAT PLATE INSTALLATION DETAILS

REVISION NUMBER: S-5

6.3.2 EXECUTIVE SUMMARY

Photograph	Observations and Recommendations
	<p>Item 1</p> <p>Observation: New reinforcement plates were installed to the tower from an elevation of 27-ft to 42-ft in accordance with page S-5 of the modification drawings provided by FDH Velocitel dated May 15, 2015 except as noted:</p> <p>Notes: The first reinforcement plate on flat 3 is not centered on the flat. On flats 3,9 and 15, the first reinforcement plate's start height is 26' 8". The end height is 41' 8". These conditions have been approved by the engineer of record. Please see Section 6.3.4 for correspondence</p> <p>Recommendation: No action is required.</p>

6.3.3 PHOTOGRAPHS



CONTRACTOR PHOTOS



6.3.4 ENGINEER OF RECORD EMAIL

Andrew C. Luter

From: Drew Alexander <drew.alexander@fdhvelocitel.com>
Sent: Monday, November 23, 2015 9:33 AM
To: Lee Mottard
Cc: Tessa Euloth; D'Amico, Jason (Vendor); Valerie Sciortino
Subject: RE: Shelton NE, BU# 842873, TEP# 63208, Inspection Summary

Lee,

Please see my responses in red below to the punchlist items:

Inspection Summary:

1. The first reinforcement plate on flat 3 is not centered on the flat. See photos 75-78.

THIS IS APPROVED



2. On flats 3,9 and 15, the first reinforcement plate's start height is 26' 8". The end height is 41' 8". See photos 67 and 44.

THIS IS APPROVED

CROWN CASTLE REINFORCEMENT INSTALLATION SCHEDULE						
ELEVATION**	QTY.	FLAT NUMBER	CCI-65FP PLATE (65 KSI)	MAX. STITCH BOLT SPACING	BLIND BOLT QUANTITY	STEEL WEIGHT (LBS.)
27'-0"± TO 42'-0"±	3	3 - 9 - 15	CCI-SFP-66010015	1'-4"	24"	306.0"
*QUANTITY SHOWN IS FOR (1) REINFORCEMENT PLATE.				TOTAL	72	918.0



Let me know if you have any questions.

Thanks

Drew Alexander, EI
Project Engineer I

FDH Velocitel
6521 Meridien Drive
Raleigh, NC 27616
Office: (919) 367-5265
Email: Drew.Alexander@FDHVelocitel.com
Website: www.fdhvelocitel.com



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From: Lee Mottard [mailto:lmottard@hpcwireless.com]
Sent: Friday, November 20, 2015 4:32 PM
To: Drew Alexander
Cc: Tessa Euloth; D'Amico, Jason (Vendor); Valerie Sciortino
Subject: FW: Shelton NE, BU# 842873, TEP# 63208, Inspection Summary

Hi Drew,

Thanks for speaking with me a few minutes ago. FYI below first 2 items listed... as discussed, I believe the flat-plate placement is still within acceptable tolerances for Punch Item 1, and the height discrepancy on Punch Item 2 is due to the EOY measuring from the top of the base-plate and my guys in the field measuring from the top of the concrete pad (4" discrepancy).

Thank you, Sir.

Lee

Lee Mottard
Area Manager – New England
6 Avenue E, Hopkinton, MA 01748
Mobile: 770-855-8961
Fax: 774-759-3077



Please visit our website: www.hpcwireless.com



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

August 31, 2015

Jerry Feathers
Real Estate Specialist
Crown Castle
3530 Toringdon Way, Suite 300
Charlotte, NC 28277

RE: **EM-T-MOBILE-126-150812** – T-Mobile notice of intent to modify an existing telecommunications facility located at 30 Oliver Terrace, Shelton, Connecticut.

Dear Mr. Feathers:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Reinforcements shall be made consistent and in accordance with the structural analysis report and modification drawings prepared by Velocitel, Inc. dated July 15, 2015 and stamped by Dennis D. Abel;
- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the structural analysis;
- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.



The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated August 11, 2015. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Melanie A. Bachman
Acting Executive Director

MAB/CH/lm

c: The Honorable Mark A. Laretti, Mayor, City of Shelton
Richard Schultz, Planning Administrator, City of Shelton
Brennan Realty LLC