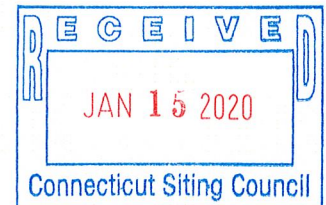


Alex Murshteyn
Site Acquisition Consultant
750 West Center St, Suite 301
West Bridgewater, MA 02379
Work: 508-821-0159
amurshteyn@clinellc.com

January 13, 2020

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06501



RE: **EM-T-MOBILE-043-170728 – 310 Prestige Park Road, East Hartford, Connecticut**

Completion of Construction Activity

Dear Ms. Bachman:

The purpose of this letter is to notify the Siting Council that construction activity associated with the above-referenced T-Mobile telecommunications facility has been completed.

All activity was conducted during daylight hours. Further, please see enclosed documentation to certify that the completed installation complied with the recommendations of, and that the tower was reinforced in accordance with, the post-modification structural report and modification drawings.

the tower was reinforced in accordance with post-modification structural analysis report prepared by American Tower Corporation date stamped

If you have any questions or need any additional information regarding these facilities, please do not hesitate to contact me.

Sincerely,



Alex Murshteyn

Copy to:
Peter Fales

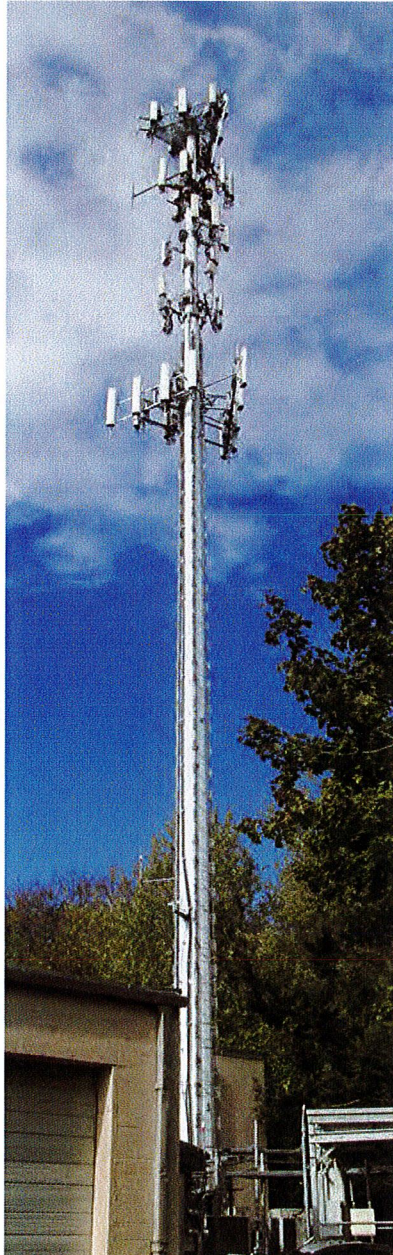
ORIGINAL



Engineered Tower Solutions
2624 Leighton Ridge Dr., Suite 100
Wake Forest, NC 27587

(919) 782-2710
(919) 782-2495
ETS # 172295

TOWER-POST MODIFICATION SPECIAL INSPECTION MONOPOLE



**E H F R - PRESTIGE PARK
302473**

PREPARED FOR:



**AMERICAN TOWER®
CORPORATION**

PREPARED BY:

Tarma Liranzo
Project Manager
Engineered Tower Solutions, PLLC

DATE:

November 7, 2017





SI REPORT SUMMARY

CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u> <u>East Hartford, CT 06108</u>	TOWER HEIGHT:	<u>150'</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

PROJECT SUMMARY:

Subject: **TOWER-POST MODIFICATION SPECIAL INSPECTION**

Location: 310 Prestige Park Rd.,
East Hartford, CT 06108
Lat: 41.78833°N Long: 72.60055°W

Structure: **MONOPOLE**

Purpose: The purpose of this special inspection report is to ensure that the proposed construction and or construction activities have been completed and undertaken per design and meet all required Codes, Specifications, and Guidelines.

PARTICIPATION PERSONNEL

ATC Representatives: Billy Gore
Sr. Project Manager - Northeast Redevelopment
900 Circle 75 Pkwy, Suite 300, Atlanta, GA
(941) 993-3099

Engineer of Record: Scott Wirgau, P.E.
Lead Structural Engineer
ATC Tower Services, Inc
3500 Regency Pkwy, Suite 100, Cary, NC 27518
(919) 468-0112

General Contractor: Ryan Hubert
Project Manager
Structural Components
4990 Nome St., Unit C, Denver, CO 80239
(207) 450-2369

SUPPLEMENTAL INFORMATION

Appendix A - Special Inspection Checklist	Appendix E - Warranty Letter
Appendix B - Modification Drawings - As Built	Appendix F - Cold Galv Verification
Appendix C - EOR Approval Email	Appendix G - MTRs
Appendix D - Certified Weld Inspection	



SI REPORT CHECKLIST

CLIENT: American Tower Corporation DATE AT SITE: Tuesday, October 31, 2017
SITE NAME: E H F R - PRESTIGE PARK ATC PROJECT#: OAA696438_C6_05
SITE NUMBER: 302473 TOWER TYPE: MONOPOLE
ADDRESS: 310 Prestige Park Rd., TOWER HEIGHT: 150'
East Hartford, CT 06108 WEATHER: Clear, 45°F, Wind 5-15 MPH
LEAD: Doug Kosiba SUPPORT: Jeremy Yarley

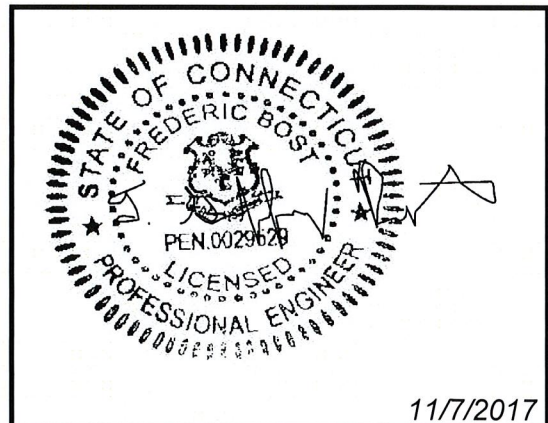
PROJECT

Subject: **TOWER-POST MODIFICATION SPECIAL INSPECTION**

Structure: **MONOPOLE**

Inspection Approvals:

TOWER-POST MODIFICATION SI	
DK/JY	Fit-up of materials
DK/JY	Material grade, shape, fabrication, placement
DK/JY	Verification of proper material coating
DK/JY	Structural weld verification
DK/JY	Structural bolting / Expansion bolting verification
N/A	Guy tension verification
DK/JY	Full installation verifications per design



CLIENT:	American Tower Corporation	DATE AT SITE:	Tuesday, October 31, 2017
SITE NAME:	E H F R - PRESTIGE PARK	ATC PROJECT#:	OAA696438_C6_05
SITE NUMBER:	302473	TOWER TYPE:	MONOPOLE
ADDRESS:	310 Prestige Park Rd., East Hartford, CT 06108	TOWER HEIGHT:	150'
LEAD:	Doug Kosiba	WEATHER:	Clear, 45°F, Wind 5-15 MPH
		SUPPORT:	Jeremy Yarley



Inspection Item Description

All modifications are within conformance to the modification documents provided by ATC Towers Services, Inc., ATC Project Number : OAA696438_C6_05 ,Dated: July 17, 2014 with all deviations approved by the EOR.

ETS used contractor photos to inspect corrections to deviations identified during inspection.

ATC Structural Analysis
in Decision Letter
of Siting Council
states
July 14, 2017

Lilgly typo
July 17, 2014



CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u>	TOWER HEIGHT:	<u>150'</u>
	<u>East Hartford, CT 06108</u>	WEATHER:	<u>Clear, 45°F, Wind 5-15 MPH</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

APPENDIX A SI CHECKLIST

SEE FOLLOWING PAGES



CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u>	TOWER HEIGHT:	<u>150'</u>
	<u>East Hartford, CT 06108</u>	WEATHER:	<u>Clear, 45°F, Wind 5-15 MPH</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

APPENDIX B
MODIFICATION DRAWINGS - AS BUILT

SEE FOLLOWING PAGES



AMERICAN TOWER®
 ATC TOWER SERVICES
 3500 REGENCY PARKWAY
 SUITE 100
 CALE, NC 28618
 PHONE: (919) 468-0112
 CO. # 6280F

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REV. DESCRIPTION BY DATE
 0. FIRST ISSUE NHK 07/05/17

ATC SITE NUMBER:
 302473
 ATC SITE NAME:
 E H F R - PRESTIGE PARK
 CONNECTICUT
 SITE ADDRESS:
 310 PRESTIGE PARK RD.
 EAST HARTFORD, CT 06108

DRAWN BY: NHK
 APPROVED BY: KLS/AT
 DATE DRAWN: 07/05/17
 ATC JOB NO.: 04A696439_C6_05

BILL OF MATERIALS

SHEET NUMBER: B-1
 REVISION: 0

BILL OF MATERIALS								
QUANTITY REQUIRED	QUANTITY PROVIDED	PART NUMBER	DESCRIPTION	LENGTH	SHEET LIST	PART WEIGHT (lb)	WEIGHT (lb)	NOTES
7	7	302473-1	PLATE WELDMENT PLATE REINFORCEMENT MATERIAL & HARDWARE	1'-0"	A-2, F-1	127.7	894	
70	74	----	AJAX ONESIDE - M20 X 2.5 BOLT PC 8 8 ASSEMBLY	5'-7 1/8"	----	----	----	COLLAPSIBLE WASHER, SOLID WASHER, NUT / GALVANIZED
70	74	----	AJAX ONESIDE - M20 BOLT SHEARING SLEEVE	----	----	----	----	GALVANIZED
16	21	FRSB	FLAT BAR STEP BOLT WELDMENT	0'-7"	FRSB	2.5	53	

GC As-Builts
 Structural Components
 Ryan Hubert
 10/23/2017



AMERICAN TOWER®
ATC TOWER SERVICES
 3500 REGENCY PARKWAY
 SUITE 100
 CANTON, MA 01921
 PHONE: (978) 483-0112
 COA: 8280F

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REV	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NHK	07/05/17

ATC SITE NUMBER:
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CONNECTICUT
 SITE ADDRESS:
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 EAST HARTFORD, CT 06108

DRAWN BY:	NHK
APPROVED BY:	KLS/AT
DATE DRAWN:	07/05/17
ATC JOB NO.:	004686439_C5_05

IBC GENERAL NOTES

SHEET NUMBER	IGN
REVISION:	0

APPLICABLE CODES AND STANDARDS

- ANSI/TIA STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES, 222-G EDITION.
- 2016 CONNECTICUT STATE BUILDING CODE
- 2012 INTERNATIONAL BUILDING CODE
- ACI 318 - AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 318-02.
- CRSI CONCRETE REINFORCING STEEL INSTITUTE, MANUAL OF STANDARD PRACTICE, LATEST EDITION.
- AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
- AWS AMERICAN WELDING SOCIETY D1.1, STRUCTURAL WELDING CODE, LATEST EDITION.

SPECIAL INSPECTION

- A QUALIFIED INDEPENDENT TESTING LABORATORY, EMPLOYED BY THE OWNER, SHALL PERFORM INSPECTION AND TESTING IN ACCORDANCE WITH IBC 2012, SECTION 1704 AS REQUIRED BY PROJECT SPECIFICATIONS FOR THE FOLLOWING CONSTRUCTION WORK.
 - STRUCTURAL WELDING (CONTINUOUS INSPECTION OF FIELD WELD ONLY)
 - HIGH STRENGTH BOLTS (PERIODIC INSPECTION OF A325 EXTENSION FLANGE BOLTS TO BE TIGHTENED PER "TURN-OF-THE-NUT" METHOD)
- THE INSPECTING AGENCY SHALL SUBMIT INSPECTION AND TEST REPORTS TO THE BUILDING DEPARTMENT, THE ENGINEER OF RECORD, AND THE OWNER IN ACCORDANCE WITH IBC 2012, SECTION 1704. UNLESS THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT THE SPECIAL INSPECTIONS.

GC As-Builts
Structural Components
Ryan Hubert
10/23/2017

WELDING

- ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
- ALL WELDS SHALL BE INSPECTED VISUALLY, IF DIRECTED BY ENGINEER OF RECORD. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE (100% IF REJECTABLE DEFECTS ARE FOUND) TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- ANY WELDING ON LATTICE TOWERS SHALL BE DONE WITH E70XX ELECTRODES. ALL WELDING ON POLE STRUCTURES SHALL BE DONE WITH E60XX ELECTRODES UNLESS NOTED OTHERWISE.
- PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL BEYOND AND WELDED SURFACES WITH ZRC GALVALITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.

BOLT TIGHTENING PROCEDURE

- STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2004 (SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS).
- FLANGE BOLTS SHALL BE INSTALLED AND TIGHTENED USING DIRECT TENSION INDICATING (DTI) SQUIRTER/WASHERS. DTI SQUIRTER WASHERS ARE TO BE INSTALLED AND ORIENTED / TIGHTENED PER MANUFACTURER SPECIFICATIONS TO ACHIEVE DESIRED LEVEL OF BOLT PRE-TENSION.
- IN LIEU OF USING DTI SQUIRTER WASHERS, FLANGE BOLTS MAY BE TIGHTENED USING AISC / RCSC "TURN-OF-THE-NUT" METHOD, PENDING APPROVAL BY THE ENGINEER OF RECORD (EOR). TIGHTEN FLANGE BOLTS USING THE CHART BELOW.

BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS	BOLT LENGTHS OVER FOUR DIAMETERS BUT NOT EXCEEDING EIGHT DIAMETERS
1/2" BOLTS UP TO AND INCLUDING 23 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	1/2" BOLTS 23.75 TO 30 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT
3/8" BOLTS UP TO AND INCLUDING 23 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	3/8" BOLTS 30.75 TO 36 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT
7/16" BOLTS UP TO AND INCLUDING 30 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	7/16" BOLTS 37 TO 43 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT
1" BOLTS UP TO AND INCLUDING 40 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	1" BOLTS 43.75 TO 50 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT
1-1/8" BOLTS UP TO AND INCLUDING 4.5 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	1-1/8" BOLTS 4.75 TO 10.0 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT
1-1/4" BOLTS UP TO AND INCLUDING 5.0 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	1-1/4" BOLTS 5.25 TO 11.0 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT
1-3/8" BOLTS UP TO AND INCLUDING 5.5 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT	1-3/8" BOLTS 5.75 TO 12.0 INCH LENGTH +1/2 TURN BEYOND SNUG TIGHT

- SPICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS.

FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.

8.2.1 TURN-OF-NUT PRETENSIONING
 BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1. UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE USING THE WRENCH. THE APPLICABLE AMOUNT OF ROTATION OF THE PART NOT TURNED BY THE WRENCH, TIGHTENING SHALL PROGRESS SYSTEMATICALLY.
- ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION.

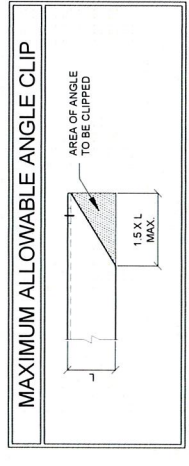
ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED TO BE TIGHTENED FROM THE SAME SIDE OF THE ASSEMBLY. CONTACTING THE JOINT TO THE SNUG TIGHT CONDITION SHALL PROGRESS FROM THE JOINT TO THE PERIPHERY OF THE JOINT. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PILES INTO FIRM CONTACT.

GENERAL

- ALL WORK TO BE COMPLETED PER APPLICABLE LOCAL, STATE, FEDERAL CODES AND ORDINANCES AND COMPLY WITH ATC MASTER SPECIFICATIONS FOR WIRELESS TOWER INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND ABIDING BY ALL REQUIRED PERMITS.
- ALL WORK INDICATED ON THESE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER AND FOUNDATION CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY INSTALLATION INTERFERENCES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS. DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS FOR THIS JOB.
- ANY SUBSTITUTIONS SHALL CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- ANY MANUFACTURED DESIGN ELEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS. THESE DESIGN ELEMENTS MUST BE STAMPED BY THE ENGINEER OF RECORD AND REGISTERED IN THE STATE OF THE PROJECT AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND OSHA SAFETY REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS WORK NOT SHOWN ON THESE DRAWINGS. PER IBC 1019-A-2011, TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.
- CONTRACTOR'S PROPOSED INSTALLATION SHALL NOT INTERFERE, NOR DENY ACCESS TO, ANY EXISTING OPERATIONAL AND SAFETY EQUIPMENT.

STRUCTURAL STEEL

- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
- ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B655.
- ALL U-BOLTS SHALL BE ASTM A36 OR EQUIVALENT, WITH LOCKING DEVICE, UNLESS NOTED OTHERWISE.
- FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.
- ALL FIELD CUT SURFACES, FIELD DRILLED HOLES & GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL IS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVALITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
- ALL STRUCTURAL STEEL EMBEDDED IN THE CONCRETE SHALL BE APPLIED WITH (2) BRUSHED COATS OF POLYGUARD CA-14 MASTIC OR EQUIVALENT. REFER TO THE MANUFACTURER SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION. APPLICATION OF POLYGUARD-400 WRAP IS NOT ESSENTIAL.
- CONTRACTOR SHALL PERFORM WORK ON ONLY ONE (1) TOWER FACE AND REPLACE/REINFORCE ONE (1) BOLT/MEMBER AT A TIME.
- ALL FIELD DRILLED HOLES TO BE USED FOR FIELD BOLTING INSTALLATION SHALL BE STANDARD HOLES, AS DEFINED BY AISC, UNLESS NOTED OTHERWISE.



PAINT

- AS REQUIRED, CLEAN AND PAINT PROPOSED STEEL ACCORDING TO FAA ADVISORY CIRCULAR AC 707460-K.



THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE ARE THE EXCLUSIVE PROPERTY OF AMERICAN TOWER AND ARE NOT TO BE REPRODUCED, COPIED, REPRODUCED, 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 AMERICAN TOWER. THE PROJECT IS EXECUTED UNDER THE ARCHITECT'S CONTRACT FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES, OMISSIONS, OR INADEQUACIES IN THE DRAWINGS OR SPECIFICATIONS. ANY DISCREPANCIES, OMISSIONS, OR INADEQUACIES IN THE DRAWINGS OR SPECIFICATIONS SHALL BE CORRECTED BY THE LATEST VERSION ON FILE WITH AMERICAN TOWER.

REV	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NHK	07/05/17

ATC SITE NUMBER: 302473
 ATC SITE NAME: E H F - PRESTIGE PARK
 CONNECTICUT
 SITE ADDRESS: 310 PRESTIGE PARK RD.
 EAST HARTFORD, CT 06108

DRAWN BY:	NHK
APPROVED BY:	KLS/AT
DATE DRAWN:	07/05/17
ATC JOB NO.:	0A-686439_C6_05

SPECIAL INSPECTION CHECKLIST

SHEET NUMBER:	SIC
REVISION:	0

MODIFICATION INSPECTION NOTES
 THE SPECIAL INSPECTION (SI) PROCEDURE IS INTENDED TO CONFIRM THAT CONSTRUCTION AND INSTALLATION MEETS ENGINEERING DESIGN, ATC PROCEDURES AND ATC STANDARD SPECIFICATIONS FOR WIRELESS TOWER SITES.
 TO ENSURE THAT THE REQUIREMENTS OF THE SI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR AND THE INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO IS RECEIVED FROM AMERICAN TOWER CORPORATION (ATC). IT IS EXPECTED THAT EACH PARTY WILL PROACTIVELY REACH OUT TO THE OTHER PARTY, IF CONTACT INFORMATION IS NOT KNOWN, CONTACT YOUR AMERICAN TOWER POINT OF CONTACT.
SPECIAL INSPECTOR
 THE SPECIAL INSPECTOR IS REQUIRED TO CONTACT THE GENERAL CONTRACTOR AS SOON AS RECEIVING A PO FROM ATC, UPON RECEIVING A PO FROM ATC THE SPECIAL INSPECTOR AT A MINIMUM MUST:
 • REVIEW THE REQUIREMENTS OF THE SI CHECKLIST.
 • WORK WITH THE GENERAL CONTRACTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS.
 • ANY CONCERNS WITH THE SCOPE OF WORK OR PROJECT COMMITMENT MUST BE RELAYED TO THE ATC POINT OF CONTACT IMMEDIATELY.
 THE SPECIAL INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR INSPECTION AND TEST REPORTS, REVIEWING THESE DOCUMENTS FOR ADHERENCE TO CONTRACT DOCUMENTS, CONDUCTING THE INFIELD INSPECTIONS, AND SUBMITTING THE SI REPORT TO AMERICAN TOWER CORPORATION.

GENERAL CONTRACTOR
 THE GENERAL CONTRACTOR IS REQUIRED TO CONTACT THE SI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURKEY PROJECT TO, AT A MINIMUM:
 • REVIEW THE REQUIREMENTS OF THE SI CHECKLIST.
 • WORK WITH THE SI TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS.
 • BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS.
 THE GENERAL CONTRACTOR SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SI CHECKLIST.

GC As-Builts
Structural Components
Ryan Hubert
10/23/2017

INSPECTION DOCUMENT	DESCRIPTION	INSPECTION TESTING REQUIRED	RESPONSIBILITY	SI REVIEW REQUIRED		INSPECTION FREQUENCY	
				PRE CX	DURING CX	POST CX	PERIODIC
SPECIAL INSPECTION FIELD WORK & REPORT	DOCUMENTATION AND SITE VISIT CONDUCTED BY AN ATC APPROVED SPECIAL INSPECTOR AS REQUIRED BY ATC AND OTHER AUTHORITIES HAVING JURISDICTION. INSPECTION PARAMETERS TO FOLLOW ATC'S STANDARD SPECIFICATION FOR WIRELESS TOWER SITES.	✓	SI	✓	✓	✓	
ENGINEERING ASSEMBLY DRAWINGS	GC SHALL SUBMIT DRAWINGS TO SI FOR INCLUSION IN SI REPORT	✓	GC	✓	✓	✓	
FABRICATED MATERIAL VERIFICATION & INSPECTION	MTR AND OR MILL CERTIFICATIONS FOR SUPPLIED MATERIALS GC SHALL SUPPLY SI WITH REPORTS TO BE INCLUDED IN SI REPORT WHEN REQUIRED BY ATC	✓	SI	✓	✓	✓	
CERTIFIED WELD INSPECTION	INSPECTION AND REPORT OF STRUCTURAL WELDING PERFORMED DURING PROJECT COMPLETED BY A DW AND INCLUDED WITHIN SI REPORT	✓	GC / TA	✓	✓	✓	
FOUNDATION INSPECTION & VERIFICATION	VISUAL OBSERVATION AND APPROVAL OF FOUNDATION EXCAVATION, REBAR PLACEMENT, CASINGS/SHORING/FORMING PLACEMENT AND ANCHOR/TEMPLATE AND ANCHOR PLACEMENT - TO BE SI APPROVED PRIOR TO CONCRETE POUR AND DOCUMENTED IN THE SI REPORT	✓	SI				
ANCHOR, ROCK ANCHOR OR HELICAL PULL-OUT TEST	PULL TESTING OF INSTALLED ANCHORS TO BE COMPLETED AND DOCUMENTED IN SI REPORT	✓	GC / TA				
CONCRETE INSPECTION & VERIFICATION	CONCRETE MIX DESIGN, SLUMP TEST, COMPRESSIVE TESTING, AND SAMPLE GATHERING TECHNIQUES ARE TO BE PROVIDED FOR INCLUSION IN THE SI REPORT. SI SHALL VERIFY CONCRETE PLACEMENT AS REQUIRED BY THE DESIGN DOCUMENTS (INSPECTION FREQUENCY IS MARKED CONTINUOUS)	✓	GC / TA				
DYWDAG PLACEMENT/ANCHOR BOLT EMBEDMENT - EPOXY/GROUT INSTALL	ANCHOR/BAR EMBEDMENT, HOLE SIZE, EPOXY/GROUT TYPE, INSTALLATION TEMPERATURE AND INSTALLATION SHALL BE VERIFIED BY THE SI AND INCLUDED IN THE SI REPORT	✓	GC / SI				
BASE PLATE GROUT INSPECTION & VERIFICATION	BASE PLATE GROUTING TYPE AND PLACEMENT SHALL BE CONFIRMED BY THE SI AND INCLUDED IN THE SI REPORT	✓	GC / SI				
EARTHWORK INSPECTION & VERIFICATION	EXCAVATION FILL, SLOPE, GRADE AND OTHER EARTHWORK REQUIREMENTS PER PLANS SHALL BE VERIFIED BY THE SI AND INCLUDED IN THE SI REPORT	✓	GC / TA				
COMPACTION VERIFICATION	CONTRACTOR SHALL PROVIDE AN INDEPENDENT THIRD PARTY CERTIFIED INSPECTION WHICH PROVIDES TEST RESULTS FOR COMPACTION TEST OF SOILS IN PLACE TO ASTM STANDARDS	✓	GC / TA				
GROUND TESTING & VERIFICATION	GC SHALL PROVIDE DOCUMENTATION SHOWING THAT THE GROUNDING SYSTEM SHALL HAVE A MEASURED RESISTANCE TO THE GROUND OF NOT MORE THAN THE RECOMMENDED 10 OHMS PER THE ATC CONSTRUCTION SPECIFICATION UNDER SECTION 2.15 THIS DOCUMENTATION MUST BE AN INDEPENDENT CERTIFICATION.	✓	GC				
STEEL CONSTRUCTION INSPECTION & VERIFICATION	VISUAL OBSERVATION AND APPROVAL OF STEEL CONSTRUCTION TO BE PERFORMED BY THE SI. INSPECTION TO INCLUDE VERIFICATION OF NEW CONSTRUCTION OR MODIFICATION OF EXISTING CONSTRUCTION PER ENGINEERED PLANS. DETAILED VERIFICATION SHALL BE INCLUDED IN SI REPORT	✓	SI	✓	✓	✓	
ON-SITE COLD GALVANIZING VERIFICATION	SI SHALL VERIFY WITH GC ALL COLD GALVANIZATION TYPE AND APPLICATION AND INCLUDE SUMMARY IN SI REPORT	✓	GC	✓	✓	✓	
GUY WIRE TENSIONING & TOWER ALIGNMENT REPORT	GC SHALL PROVIDE SI EVIDENCE OF PROPER GUY TENSIONING AND TOWER PLUMB PER PLANS. SI SHALL VERIFY AND INCLUDE PLUMB AND TENSION REPORTING IN SI REPORT	✓	GC				
GC AS-BUILT DRAWINGS WITH CONSTRUCTION RED-LINES	GC SHALL SUBMIT "AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS TO SI FOR APPROVAL/REVIEW AND INCLUSION IN SI REPORT	✓	GC	✓	✓	✓	
SI AS-BUILT DRAWINGS WITH INSPECTION RED-LINES (AS REQUIRED)	SI SHALL SUBMIT "AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS WITHIN SI REPORT	✓	SI	✓	✓	✓	
TIA INSPECTION	SI SHALL COMPLETE TIA INSPECTION AND PROVIDE SEPARATE TIA INSPECTION DOCUMENTATION TO ATC CM	✓	SI				
PHOTOGRAPHS	PHOTOGRAPHIC EVIDENCE OF SPECIAL INSPECTION, ON SITE REMEDIATION, AND ITEMS FAILING INSPECTION & REQUIRING FOLLOW UP TO BE INCLUDED WITHIN THE SI REPORT. COMPLETE PHOTO LOG IS TO BE SUBMITTED WITHIN SI REPORT.	✓	GC / SI	✓	✓	✓	

NOTE: SPECIAL INSPECTIONS ARE INTENDED TO BE A COLLABORATIVE EFFORT BETWEEN GC AND SI, WHENEVER POSSIBLE GC IS TO PROVIDE SI WITH PHOTOGRAPHIC OR OTHER ACCEPTABLE EVIDENCE OF PROPER INSTALLATION IF PERIODIC INSPECTION FREQUENCY IS ACCEPTABLE. THE GC AND SI SHALL WORK TO COMPLETE EVIDENCE OF PROPER CONSTRUCTION AND LIMIT THE NUMBER OF SI SITE VISITS REQUIRED.

TABLE KEY:
 SI - ATC APPROVED SPECIAL INSPECTOR
 GC - GENERAL CONTRACTOR
 TA - 3RD PARTY TESTING AGENCY
 CX - CONSTRUCTION
 CM - CONSTRUCTION MANAGER
 ATC - AMERICAN TOWER CORPORATION



THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS AND INSTRUMENTS OF SERVICE ARE THE EXCLUSIVE PROPERTY OF AMERICAN TOWER AND ARE NOT TO BE REPRODUCED, COPIED, REPRODUCED, TRANSMITTED, OR IN ANY MANNER RELATES TO AMERICAN TOWER OR THE SPECIFIED DRAWINGS. IT IS STRICTLY PROHIBITED TO USE THESE DOCUMENTS FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF AMERICAN TOWER. THE PROJECT IS RESERVED, NEITHER THE ARCHITECT NOR THE ENGINEER IS RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THIS PROJECT. CONTRACTORS MUST VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES. ANY DISCREPANCIES OF THE DRAWING IS SUPPLEMENTED BY THE LATEST VERSION ON FILE WITH AMERICAN TOWER.

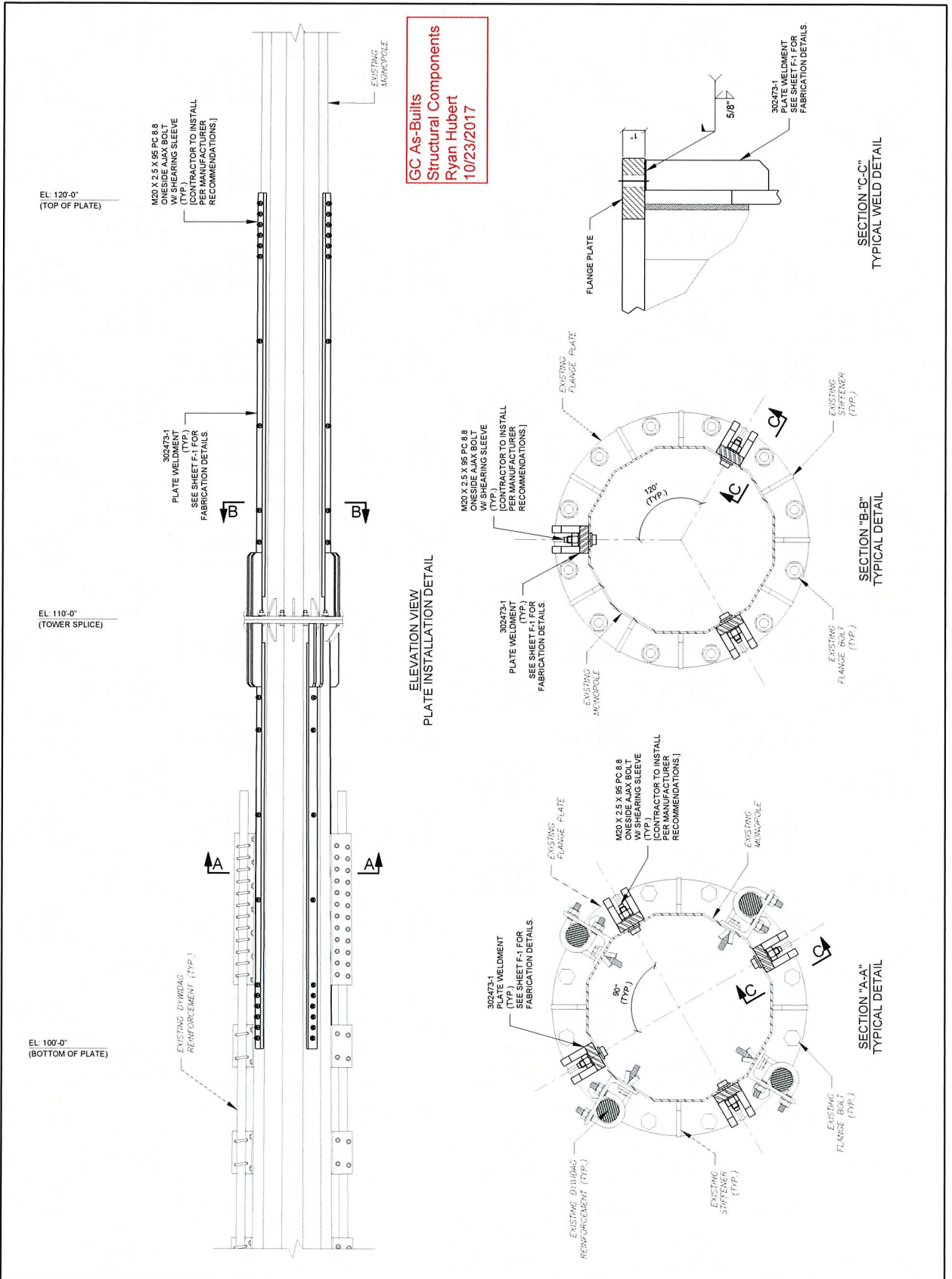
REV	DESCRIPTION	BY	DATE
0	FIRST ISSUE	NHK	07/05/17

ATC SITE NUMBER:
302473
ATC SITE NAME:
E H F R - PRESTIGE PARK
CONNECTICUT
SITE ADDRESS:
310 PRESTIGE PARK RD,
EAST HARTFORD, CT 06108

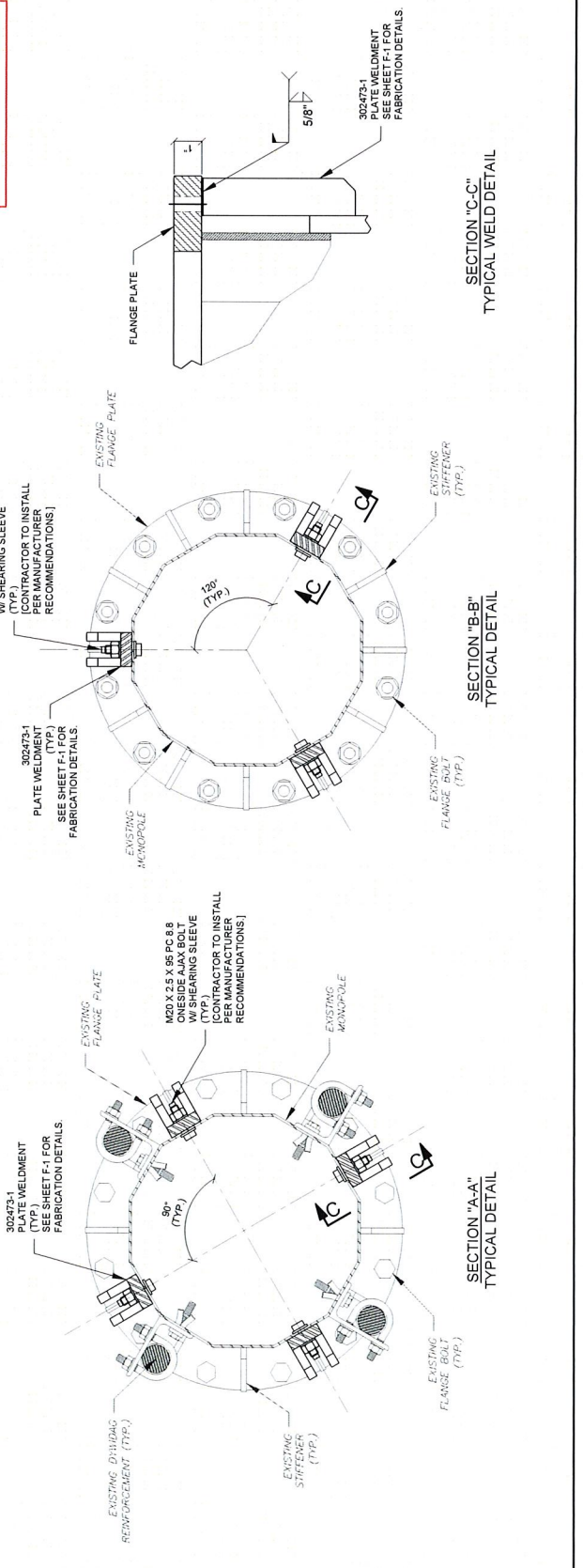
DRAWN BY:	NHK
APPROVED BY:	KLSAT
DATE DRAWN:	07/05/17
ATC JOB NO.:	0A4686438_CS_05

PLATE WELDMENT
INSTALLATION DETAILS

SHEET NUMBER:	A-2
REVISION:	0



GC As-Builts
Structural Components
Ryan Hubert
10/23/2017





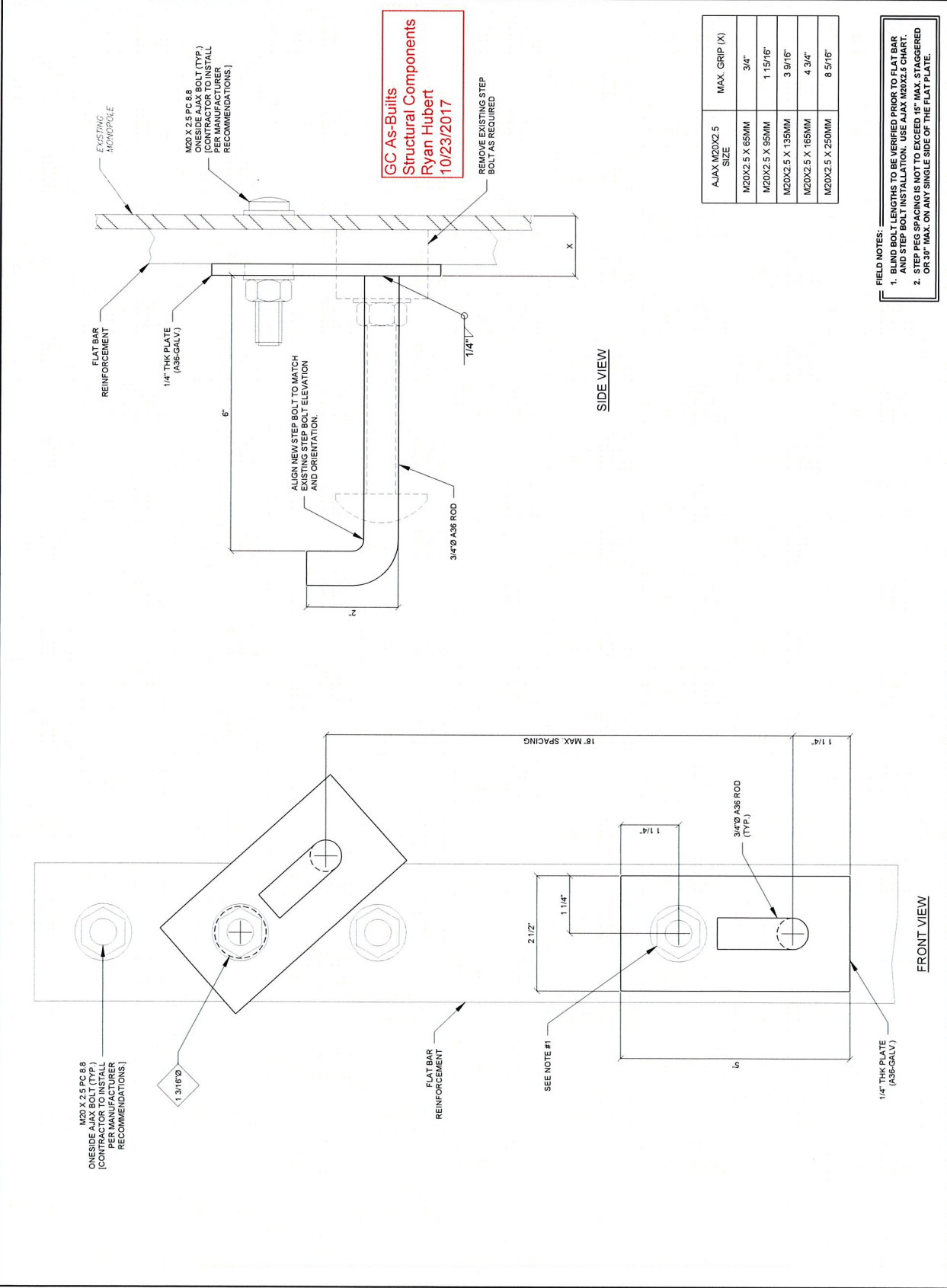
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REV.	DESCRIPTION	BY	DATE
0.	FIRST ISSUE	NHK	07/05/17

ATC SITE NUMBER: 302473
 ATC SITE NAME: E H R - PRESTIGE PARK
 CONNECTICUT
 SITE ADDRESS: 310 PRESTIGE PARK RD
 EAST HARTFORD, CT 06108

DRAWN BY: NHK
 APPROVED BY: KLS/AT
 DATE DRAWN: 07/05/17
 ATC JOB NO: 0A486488_06_05
 FLAT BAR STEP BOLT
 BRACKET FABRICATION
 & INSTALLATION
 DETAILS

SHEET NUMBER: FBSB
 REVISION: 0



GC As-Built
 Structural Components
 Ryan Hubert
 10/23/2017



CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u>	TOWER HEIGHT:	<u>150'</u>
	<u>East Hartford, CT 06108</u>	WEATHER:	<u>Clear, 45°F, Wind 5-15 MPH</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

APPENDIX C
EOR APPROVAL EMAIL

SEE FOLLOWING PAGES

From: Jon Rodgers [<mailto:jon.rodgers@americantower.com>]
Sent: Tuesday, October 17, 2017 1:00 PM
To: Victoria McKee <victoria.mckee@ets-pllc.com>
Subject: FW: URGENT CREW ON SITE: 302473 EHFR Prestige Park

FYI EOR approval.

Jon Rodgers
Construction Manager
American Tower Corporation
10 Presidential Way
Woburn, MA. 01801
(781)-926-7855 (Office)
(617)-839-5143 (Mobile)
jon.rodgers@americantower.com

From: PMI
Sent: Tuesday, October 17, 2017 12:19 PM
To: Ryan Hubert
Cc: Jon Rodgers; PMI; Billy Gore
Subject: RE: URGENT CREW ON SITE: 302473 EHFR Prestige Park

Ryan,

The bars and holes are approved, I think it goes without saying just to be sure to take this into account for the field locating/drilling the holes on the tower.

The welds are specified on the sides only.

Thanks,

Steven W. McGinnis, EI
Structural Engineer I
American Tower Corporation
3500 Regency Parkway
Cary, NC 27518
919-466-5058 Office
980-329-7013 Mobile
Steven.McGinnis@americantower.com

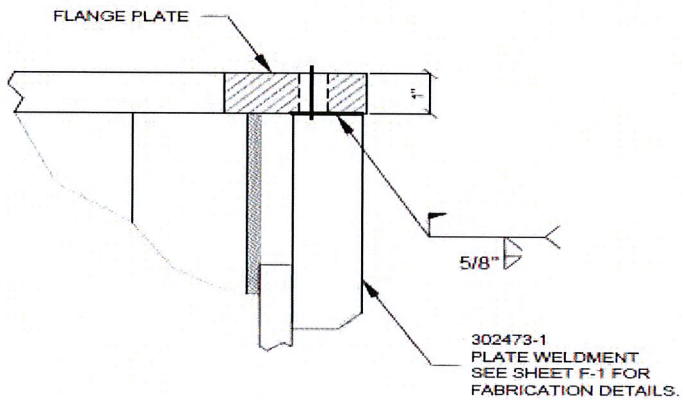
From: Ryan Hubert [<mailto:rhubert@structuralcomponents.net>]
Sent: Tuesday, October 17, 2017 12:04 PM
To: Jon Rodgers; PMI; Billy Gore
Subject: URGENT CREW ON SITE: 302473 EHFR Prestige Park

Jon,

I need a quick approval on the material. The holes in the flat plate are drilled a little off center on 4 of the 7 plates. They are about 1-11/16" e-c center not 1-1/2" and the plate is 3-1/8" wide not 3".



Also the weld to the flange plate, are we just welding the sides or do we need to wrap around the front of the plate as well?



SECTION "C-C"
TYPICAL WELD DETAIL

Thank you

--

Ryan Hubert
Project Manager
Structural Components

From: Jon Rodgers [<mailto:jon.rodgers@americantower.com>]
Sent: Friday, November 3, 2017 11:26 AM
To: Ryan Hubert (rhubert@structuralcomponents.net) <rhubert@structuralcomponents.net>
Cc: Victoria McKee <victoria.mckee@ets-pllc.com>; Billy Gore <Billy.Gore@AmericanTower.com>
Subject: FW: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

Hi Ryan,

Punch item #4 approved just make sure the ends are gold galvanized.

Victoria EOR approval below for your report.

Jon Rodgers
Construction Manager
American Tower Corporation
10 Presidential Way
Woburn, MA. 01801
(781)-926-7855 (Office)
(617)-839-5143 (Mobile)
jon.rodgers@americantower.com

From: Vivian Chung
Sent: Friday, November 03, 2017 11:22 AM
To: Jon Rodgers; PMI
Subject: RE: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

This is approved. Please make sure the ends are cold galvanized.

Thanks!

Vivian Chung, EI
Structural Engineer I
American Tower Corporation
3500 Regency Parkway, Suite 100
Cary, NC 27518
(919) 466-5308
vivian.chung@americantower.com

From: Jon Rodgers
Sent: Friday, November 03, 2017 11:10 AM
To: PMI
Subject: FW: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST
Importance: High

Hi PMI,

Can you please advise SC on how you would like them to proceed with punch item#4. See below email from Ryan.

Punch item #4 (Tips of top (4) bolts on new plate below flange on flat #2 appear to have been ground off, not sheared off during tightening.) Contractor repair required

Thanks,

Jon Rodgers

Construction Manager

American Tower Corporation

10 Presidential Way

Woburn, MA. 01801

(781)-926-7855 (Office)

(617)-839-5143 (Mobile)

jon.rodgers@americantower.com

From: Ryan Hubert [<mailto:rhubert@structuralcomponents.net>]

Sent: Thursday, November 02, 2017 4:47 PM

To: Billy Gore

Cc: Victoria Mckee (victoria.mckee@ets-pllc.com); Jon Rodgers; Scott Blake

Subject: Re: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

Billy,

For punch issue #4, our crew is saying the shear wrench was malfunctioning and not shearing the whole tip off so they had to cut the rest off. We can either mark with a line and hit it with an impact to show it's tight or replace if necessary. Please let me know how we should proceed and we will get these issues taken care of.

Thank you

--

Ryan Hubert

Project Manager

Structural Components

4990 Nome Street, Unit C

Denver, CO 80239

C. (207) 450-2369

On Wed, Nov 1, 2017 at 5:53 PM, Billy Gore <Billy.Gore@americantower.com> wrote:

Ryan,

Please see punch items below. Items 5 & 6 have been approved by EOR.

Thank you,

Billy Gore

Sr. Project Manager – Northeast Redevelopment

American Tower Corporation

900 Circle 75 Parkway Suite 300

Atlanta, GA 30339

+770 308 1999 (Direct)

+941 993 3099 (Mobile)

TEXTING and DRIVING... It Can Wait. [Take the pledge](#) today and pass it on.

www.americantower.com

From: Victoria McKee [mailto:victoria.mckee@ets-pllc.com]

Sent: Tuesday, October 31, 2017 3:26 PM

To: Jon Rodgers; Billy Gore; Scott Blake

Cc: Kyle Evans; Kurt Vandeventer

Subject: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

All,

ETS visited this site on October 31, 2017 and observed the following discrepancies.

1. Connection collar for mount at 113' appears to have been floated during construction and left skewed/unevenly tightened after re-installation. **Contractor repair required.**
2. New modifications were not painted to match tower. **Contractor repair or EOR approval required.**
3. Surface corrosion on inside of new flange stiffeners and damaged galvanizing not repaired on/around new stiffeners due to welding/grinding. **Contractor repair required.**
4. Tips of top (4) bolts on new plate below flange on flat #2 appear to have been ground off, not sheared off during tightening. **Contractor repair required.**
5. New stiffeners overhang the edge of flange 1/2" +/- . **EOR approval required.**
6. New plates installed on flat #4, 8, 12, not flat #3, 7, 11 above flange. **EOR approval required.**

Please see the attached zip-file for photos detailing these issues.

Please review and forward to the Contractor/EOR.

Thanks,



Victoria McKee

Project Coordinator

Engineered Tower Solutions, PLLC

2624 Leighton Ridge Dr., Suite 100 | Wake Forest, NC 27587

Office: (919) 782-2710, Ext.: 307 | Fax: (919) 435-0631

From: Billy Gore [<mailto:Billy.Gore@AmericanTower.com>]
Sent: Thursday, November 2, 2017 10:42 AM
To: Ryan Hubert <rhubert@structuralcomponents.net>
Cc: Victoria McKee <victoria.mckee@ets-pllc.com>; Jon Rodgers <jon.rodgers@americantower.com>;
Scott Blake <Scott.Blake@AmericanTower.com>
Subject: RE: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

Keep as is

Billy Gore
Sr. Project Manager – Northeast Redevelopment
American Tower Corporation
900 Circle 75 Parkway Suite 300
Atlanta, GA 30339
+770 308 1999 (Direct)
+941 993 3099 (Mobile)
TEXTING and DRIVING... It Can Wait. **Take the pledge** today and pass it on.
www.americantower.com

From: Ryan Hubert [<mailto:rhubert@structuralcomponents.net>]
Sent: Thursday, November 02, 2017 10:28 AM
To: Billy Gore
Cc: Victoria Mckee (victoria.mckee@ets-pllc.com); Jon Rodgers; Scott Blake
Subject: Re: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

Billy,

None of the existing mods on the tower are painted and we did not include this in our quote. Can we have approval to keep as is.

Thank you

--

Ryan Hubert
Project Manager
Structural Components
4990 Nome Street, Unit C
Denver, CO 80239
C. (207) 450-2369

From: Billy Gore [<mailto:Billy.Gore@AmericanTower.com>]
Sent: Wednesday, November 1, 2017 7:54 PM
To: Ryan Hubert <rhubert@structuralcomponents.net>
Cc: Victoria McKee <victoria.mckee@ets-pllc.com>; Jon Rodgers <jon.rodgers@americantower.com>;
Scott Blake <Scott.Blake@AmericanTower.com>; Billy Gore <Billy.Gore@AmericanTower.com>
Subject: FW: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

Ryan,

Please see punch items below. Items 5 & 6 have been approved by EOR.

Thank you,

Billy Gore
Sr. Project Manager – Northeast Redevelopment
American Tower Corporation
900 Circle 75 Parkway Suite 300
Atlanta, GA 30339
+770 308 1999 (Direct)
+941 993 3099 (Mobile)
TEXTING and DRIVING... It Can Wait. Take the pledge today and pass it on.
www.americantower.com

From: Victoria McKee [<mailto:victoria.mckee@ets-pll.com>]
Sent: Tuesday, October 31, 2017 3:26 PM
To: Jon Rodgers; Billy Gore; Scott Blake
Cc: Kyle Evans; Kurt Vandeventer
Subject: ATC#302473 - EHFR Prestige Park CT - PUNCH LIST

All,

ETS visited this site on October 31, 2017 and observed the following discrepancies.

1. Connection collar for mount at 113' appears to have been floated during construction and left skewed/unevenly tightened after re-installation. **Contractor repair required.**
2. New modifications were not painted to match tower. **Contractor repair or EOR approval required.**
3. Surface corrosion on inside of new flange stiffeners and damaged galvanizing not repaired on/around new stiffeners due to welding/grinding. **Contractor repair required.**
4. Tips of top (4) bolts on new plate below flange on flat #2 appear to have been ground off, not sheared off during tightening. **Contractor repair required.**
5. New stiffeners overhang the edge of flange 1/2" +/- **EOR approval required.**
6. New plates installed on flat #4, 8, 12, not flat #3, 7, 11 above flange. **EOR approval required.**

Please see the attached zip-file for photos detailing these issues.

Please review and forward to the Contractor/EOR.

Thanks,



Victoria McKee
Project Coordinator
Engineered Tower Solutions, PLLC
2624 Leighton Ridge Dr., Suite 100 | Wake Forest, NC 27587
Office: (919) 782-2710, Ext.: 307 | Fax: (919) 435-0631



CLIENT: American Tower Corporation DATE AT SITE: Tuesday, October 31, 2017
SITE NAME: E H F R - PRESTIGE PARK ATC PROJECT#: OAA696438_C6_05
SITE NUMBER: 302473 TOWER TYPE: MONOPOLE
ADDRESS: 310 Prestige Park Rd., TOWER HEIGHT: 150'
East Hartford, CT 06108 WEATHER: Clear, 45°F, Wind 5-15 MPH
LEAD: Doug Kosiba SUPPORT: Jeremy Yarley

APPENDIX D
CERTIFIED WELD INSPECTION

SEE FOLLOWING PAGES



JW TOWER INSPECTION CONSULTANTS

5426 BELL TIMBERS
HUMBLE, TX 77345

Reported To: GREAT LAKES AERIAL CONST.
110 RESEARCH PKWY
DUNDEE, MI 48131

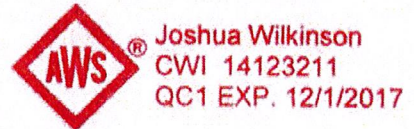
Date: 10/18/2017
P/O #: PRESTIGE PARK
Report #: JW-GLA-17-038
Project: 302473
Project Location: Prestige Park, Conn.

INSPECTION REPORT

INSPECTION NARRATIVE

Joshua Wilkinson arrived on site to site Site #302479 Prestige Park. GLA followed all Cutting & welding procedure properly. All fire suppression equipment was on-site and properly used. Joshua Wilkinson performed a 100% Visual on all new welds and a 50% MT Inspection. NO indications found at this time. The Post inspections were done in accordance to AWS D1.1.

100% VISUAL ACCEPTABLE
50% MT ACCEPTABLE



Personnel Contacted: TROY ZOCHOWSKI

Inspection Requirements: AWS D1.1
Post: Joshua Wilkinson

Level: CWI /LVL II UT,MT,PT Date:10-18-17

Reviewer's Signature:



MAGNETIC PARTICLE INSPECTION REPORT

Client & Location		Report Number		P.O. Number:		Report Date	
GREAT LAKES AERIAL		MT-	2017-039	Prestige Park		OCT 18, 2017	
Inspection Information							
Scope of Examination: 50% MT all accessible surfaces of weld				Drawing Number: n/a			
Procedure: JWIC NDE 40.02		Rev.:		Supplemental Procedure:			
Code/Acceptance Criteria: AWS D1.1				Rev.: 01			
Technique							
Type: Yoke	Current Type: AC <input checked="" type="checkbox"/> DC		Medium: Wet		Dry <input checked="" type="checkbox"/>		No. of Directions: 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> N/A
Contrast:	Batch No.:		Chemical Expiration:				
Particles:	8031	Batch No.:		32041615	Chemical Expiration:		4/16/18
Particle Color:	RED		Particle Concentration:		powder	ml. per 100ml.	
UV Light Intensity:	n/a		White Light Intensity:		130	Foot Candles (FC)	
Equipment							
Equipment Mfg:	ac contour probe		MTE No.:	7091	Calibration Date: (6 Mo. Intervals)		8/01/17
Radiometer Model:	Exttech EA 30		MTE No.:	7235	Calibration Date: (6 Mo. Intervals)		8/01/17
Technique #:	n/a						
Inspection Results							
Item	Qty	Description			Results	Comments	
1	50%	NEW WELDS			Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/> Info only <input type="checkbox"/>	-Welds inspected Accepted	

Technician: Joshua Wilkinson
 Assistant: n/a
 Witness: n/a
 Time: _____



American Welding Society®

Certifies that Welding Inspector

Joshua Wilkinson

*has complied with the requirements of AWS QC1,
Standard for AWS Certification of Welding Inspectors*

14123211

CERTIFICATE NUMBER

December 1 2017

EXPIRATION DATE



Alan R. Wilson

AWS PRESIDENT

Bill Bebler

AWS QUALIFICATION COMMITTEE CHAIR

George Hefler

AWS CERTIFICATION COMMITTEE CHAIR



JOSHUA WILKINSON

Professional Qualifications/Certifications

<u>Description</u>	<u>Original Cert Date</u>	<u>Re-Cert Date</u>	<u>Exp Date</u>
SNT-TC-1A, Liquid Penetrant, Level II - Limited – Solvent Removable	07/09/2015	----	07/09/2020
T9074-AS-GIB-010/271, Liquid Penetrant, Level II - Limited – Solvent Removable	07/09/2015	----	07/09/2018
SNT-TC-1A, Magnetic Particle, Level II – Limited - Yoke	07/09/2015	----	07/09/2020
T9074-AS-GIB-010/271, Magnetic Particle, Level II – Limited - Yoke	07/09/2015	----	07/09/2018
SNT-TC-1A, Radiography, Level II	07/09/2015	----	07/09/2020
T9074-AS-GIB-010/271, Radiography, Level II	07/09/2015	----	07/09/2018
SNT-TC-1A, Ultrasonics, Level II Limited, Thickness Testing, A-Scan	07/09/2015	----	07/09/2020
T9074-AS-GIB-010/271, Ultrasonics, Level II Limited, Thickness Testing, A-Scan	07/09/2015	----	07/09/2018

The individual named above has satisfactorily demonstrated the ability to read the J-1 letters on a standard Jaeger test chart, and the capacity to distinguish and differentiate colors used in the NDE methods for which the individual is qualified.

The individual named above is certified in the indicated NDE Method(s) and Level(s). The certification(s) will expire on the date(s) listed above, or upon termination of employment.



CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u>	TOWER HEIGHT:	<u>150'</u>
	<u>East Hartford, CT 06108</u>	WEATHER:	<u>Clear, 45°F, Wind 5-15 MPH</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

APPENDIX E
WARRANTY LETTER

SEE FOLLOWING PAGES

10/23/2017

RE: 302473 E H F R Prestige Park CT
310 Prestige Park Road
East Hartford, CT 06108

Subject: Warranty Letter

To Whom It May Concern:

Structural Components warrants all labor performed and material installed at the above-mentioned job site, in accordance with the contract, drawings, specifications, alterations and additions thereto, for a period of (1) one year from date of installation. This warranty does not include normal wear and tear, and/or product abuse.

Structural Components will be provided the opportunity to have one of its representatives assess any damage identified to be caused by Structural Components employees and/or material installed by Structural Components. If said damage is judged to be the fault of Structural Components workmanship and/or material, Structural Components will at no cost to the Owner repair or replace defective material.

PRODUCT LIMITED WARRANTY. The Products shall perform in accordance with the Company's published limited warranty therefore (the "Limited Warranty"). In the event Customer reasonably determines that any of the Products may have failed to perform in accordance with such limited warranty, Customer acknowledges and agrees that its sole and exclusive remedy for the same shall be set forth in the Limited Warranty.

Sincerely,



Ryan Hubert
Project Manager



CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u>	TOWER HEIGHT:	<u>150'</u>
	<u>East Hartford, CT 06108</u>	WEATHER:	<u>Clear, 45°F, Wind 5-15 MPH</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

APPENDIX F
COLD GALV VERIFICATION

SEE FOLLOWING PAGES



Structural Components, LLC
4990 Nome St. Unit C
Denver, CO 80239

Voice: 720-304-8839
Fax: 720-489-3764

Ryan Hubert
4990 Nome St. Unit C
Denver, CO 80239
Office: (508) 210-4340
Mobile: (207) 450-2369
Rhubert@StructuralComponents.net

October 23, 2017

RE: On-Site Cold Galvanizing Verification
Customer: American Tower Corporation
Site # 302473
Site Name: E H F R PRESTIGE PARK CT

Scope of Work:

- Install (4) flat plate reinforcements from 100.0' to 110.0'.
- Install (3) flat plate reinforcements from 110.0' to 120.0'.

All drilled, grinded, welded surfaces on site were painted with (2) coats of Cold Galvanizing Compounds, 95% ZRC applied by paint brush. Pictures were taken throughout the process and upon completion.

Ryan Hubert
Project Manager





CLIENT:	<u>American Tower Corporation</u>	DATE AT SITE:	<u>Tuesday, October 31, 2017</u>
SITE NAME:	<u>E H F R - PRESTIGE PARK</u>	ATC PROJECT#:	<u>OAA696438_C6_05</u>
SITE NUMBER:	<u>302473</u>	TOWER TYPE:	<u>MONOPOLE</u>
ADDRESS:	<u>310 Prestige Park Rd.,</u>	TOWER HEIGHT:	<u>150'</u>
	<u>East Hartford, CT 06108</u>	WEATHER:	<u>Clear, 45°F, Wind 5-15 MPH</u>
LEAD:	<u>Doug Kosiba</u>	SUPPORT:	<u>Jeremy Yarley</u>

APPENDIX G

MTRs

SEE FOLLOWING PAGES

Certification Report

September 2017

American Tower Corporation
EHRF – Prestige Park - 302473
PO: 445540
SO: 130101

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69 Orchard Street
Ramsey, New Jersey 07446
Tel 800 577 3171
Fax 201 783 8840

Cleveland
959 Lake Road
Medina, Ohio 44256
Tel 888 859 6060
Fax 440 232 6062

Los Angeles
5450 W 83rd Street
Los Angeles, California 90045
Tel 310 410 5007
Fax 866 553 7702

Nebraska
806 8th Street
Gothenburg, Nebraska 69138
Tel 855 330 2210
Fax 308 537 3500



SSAB

Test Certificate

1770 Bill Sharp Boulevard Muscatine, IA 52751-9412 US

Form TC1: Revision 2: Date 23 Apr 2014

		Mill Order No. 41-429863-03		Shipping Manifest: MR258181																	
Product Description: ASTM A572(15) 65/M450 SILICON 0.4% MAX				Ship Date: 18 May 15 Cert Date: 18 May 15																	
Cert No: 051515726 (Page 1 of 1)																					
Size: 0.750 X 96.00 X 486.0 (IN)																					
Tested Pieces:			Tensiles:				Charpy Impact Tests														
Heat Id	Piece Id	Tested Thickness	Tst Loc	YS (KSI)	UTS (KSI)	%RA	Elong 2in	% 8in	Tst Dir	Hardness	Abs. Energy(FTLB)			% Shear			Tst Tmp	Tst Dir	Tst Siz	BDWTT	
A5E166	C08	0.626 (DISCRT)	L 73	86			33		T		1	2	3	Avg	1	2	3	Avg			
A5E166	C12	0.751 (DISCRT)	L 72	86			34		T												
Heat		Chemical Analysis														DRGM					
A5E166		C	Mn	P	S	Si	Tot Al	Cu	Ni	Cr	Mo	Co	V	Ti	S	N					USA
		.15	1.28	.008	.006	.03	.026	.78	.14	.14	.04	.026	.057	.006	.0002	.0077					
<p>KILLED STEEL MANUFACTURE IS NOT A METALLURGICAL COMMENT ON THE STEEL AND NO GUARANTEE WAS MADE THAT THE STEEL MEETS THE REQUIREMENTS OF THIS PRODUCT. THE SA 4009 2004 PRODUCTION RESULTING ALL QUALITY LOW CARBON AND MANUFACTURED IN THE USA PRODUCTS SHIPPED: A5E166 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) ALSO MEETS ASTM A572-99(15) (16) (17) (18) (19) (20) (21) (22)</p>																					
																		WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION.			
																		Brian Wales SENIOR METALLURGIST - PRODUCT			

New York
 69 Orchard Street
 Ramsey, New Jersey 07446
 Tel 800 577 3171
 Fax 201 783 8840

Cleveland
 959 Lake Road
 Medina, Ohio 44256
 Tel 888 859 6060
 Fax 440 232 6062


Los Angeles
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 Los Angeles, California 90045
 Tel 310 410 5007
 Fax 866 553 7702

Nebraska
 806 8th Street
 Gothenburg, Nebraska 69138
 Tel 855 330 2210
 Fax 308 537 3500

EVRAZ | EVRAZ INC. NA
Evraz Oregon Steel 14400 N. Rivergate Blvd., Portland, Oregon 97203

REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1459067	Aug 18, 2015	1
MILL ORDER NO.	DATE	
290410		
CUSTOMER ORDER NO.		
12 11470959		
JOB/REQ. NO.		

 <p>SOLD TO</p>	<p>ALRO STEEL CORPORATION [LANSING] 3100 E HIGH STREET 14-0927</p>
	<p>THIS MATERIAL HAS BEEN MANUFACTURED TO THE SPECIFICATIONS OF ASTM A572-12 GRADE 50. LCVN</p>

PHYSICAL PROPERTIES

ITEM	DESCRIPTION	HEAT NO.	SLAB	YIELD PSI X 100	TENSILE PSI X 100	% ELONG 8" 2"	% RA	HARDNESS BHN	BEND TEST	IMPACTS
1	1.0000 X 99.500ME X 480.000									
	3 PCS 40635 LBS	N07569		725 730	845 18 865 20					
					LCVN 9 -20 DEG F	10.0mm				40 160 138 / 112.7 ft.lbf
					LCVN 9 -20 DEG F	10.0mm				75 92 43 / 70.0 ft.lbf
	2 PCS 27090 LBS	N08032		730 725	860 22 870 23					
					LCVN 9 -20 DEG F	10.0mm				111 141 158 / 136.7 ft.lbf
					LCVN 9 -20 DEG F	10.0mm				133 149 110 / 130.7 ft.lbf
2	1.2500 X 99.500ME X 480.000									
	1 PC 16931 LBS	N07577		665	815 23					
					LCVN 9 -20 DEG F	10.0mm				60 68 52 / 60.0 ft.lbf

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Co	Al	Cr	Mo	Ti	B	N	Ca	CE	Max. Min.
N07569	14	1.36	.011	.004	.02	.02	.05	.056	.035	.026	.02	.00						
N08032	16	1.45	.008	.004	.03	.01	.05	.059	.037	.040	.02	.00						
N07577	14	1.39	.010	.003	.01	.01	.05	.056	.034	.024	.01	.00						

HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (*) WERE ROLLED IN THE USA.

Richard Deschand
Richard Deschand Quality Coordinator

I certify the above to be correct as contained in the records of EVRAZ INC. NA By _____

New York
69 Orchard Street
Ramsey, New Jersey 07446
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Fax 201 783 8840

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P.O. Box 13948
 Roanoke, VA 24038-3934
 Office: (540) 342-1831
 (800) 753-3532
 Fax: (540) 342-9437
 www.roanokesteel.com

PRODUCT CERTIFICATION

MFG LOT NBR: **JL0783-378583**
 HEAT NUMBER: **JL0783**
 BILL OF LADING: **00514749**
 SALES ORDER/LINE: **121372 / 008**
 CERT ID / REV: **00045686 / 01**

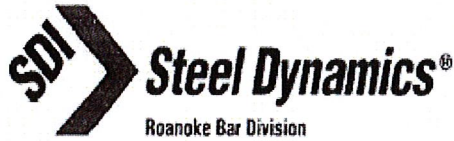
QUANTITY	BUNDLE(S)	TOTAL PIECES	GRADE	SHIPMENT DATE							
10,224	2	240	A36/A529	11/15/2016							
PART NUMBER: FL010852000ZZ	DESCRIPTION: Flat 1/4 x 2 1/2 20'0" A36/A529										
Alt Certs											
ASTM SA36/SA36M-15 (01JUL15) ASTM SA572/SA572M GR50 T2 (01JUL15) ASTM A36/A36M-14 ASTM A36/A36M-14 CU BEARING ASTM A529/A529M-14 GR50 ASTM A572/A572M-15 GR50 Type 2 ASTM A709/A709M-15 GR36 ASTM A709/A709M-15 GR36 CU BEARING ASTM A709/A709M-15 GR50 Type 2 CSA G40.21-13 GR44R CSA G40.21-13 GR50R ASTM A709/A709M-15 GR36 ASTM A709/A709M-15 GR36 CU BEARING ASTM A709/A709M-15 GR50 Type 2											
Chemical											
C	Mn	P	S	Si	Cr	Ni	Mo	Cu	V	Nb	CE
0.15	1.05	0.029	0.011	0.23	0.10	0.08	0.02	0.22	0.020	0.003	0.41
Yield Tensile Elongation											
Sample-1	Yld-1 (KSI)	Yld-1 (MPa)	Ultimate-1 (KSI)	Ultimate-1 (MPa)	Elong ^{0.2} (%)						
	54.0	372	73.0	517	29.4						
Sample-2	Yld-2 (KSI)	Yld-2 (MPa)	Ultimate-2 (KSI)	Ultimate-2 (MPa)	Elong ^{0.2} (%)						
	54.2	374	73.2	518	28.6						
Approved ASME QAS Certificate No. 12-IMPQA-475. This material was melted and manufactured in our plant located in Roanoke, VA, USA, by basic Electric Furnace processes to meet the "ordered" Grade. Mercury, Cadmium or other Alpha source materials in any form have not been used in the production of this material. No weld repair has been performed. Any tensile values stated herein either inch-pound units or SI units are to be regarded as separate as defined in the ASTM scope for this material. All samples tested are full size. Unless a specific application is ordered, this material has been tested and meets the requirements of the inch-pound ranges.											
This is to certify the above to be a true and accurate report as contained in the records of this company.											
END OF CERTIFICATION						Engineer of Tests: Lewis E. Lefwich Jr.					

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 Roanoke, VA 24038-3934
 Office: (540) 342-1838
 (800) 753-1832
 Fax: (540) 342-9137
 www.roanokesteel.com

PRODUCT CERTIFICATION

MFG LOT NBR: JL4863-678315
 HEAT NUMBER: JL4863
 BILL OF LADING: 00525787
 SALES ORDER/LINE: 137265 / 001
 CERT ID / REV: 00079340 / 01

SOLD TO

SHIP TO

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	BUNDLE(S)	TOTAL PIECES	GRADE	SHIPMENT DATE					
104390	N/A	25,235	5	840	A36/A529	06/29/2017					
PART NUMBER	RD017892000ZZ	DESCRIPTION	Round 3/4" 20'0" A36/A529								
Alt Certs											
ASTM A36/A36H-14 ASTM A36/A36H-14 CD BEARING ASTM A529/A529H-14 GR50 ASTM A572/A572H-15 GR50 Type 2 ASTM A709/A709H-16A GR36 ASTM A709/A709H-16A GR36 CD BEARING ASTM A709/A709H-16A GR50 Type 2 ASTM F1554-15 GR36 CSA G40.21-13 GR44H CSA G40.21-13 GR50W AASHTO M270/M270H-12 GR36 AASHTO M270/M270H-12 GR36 CD BEARING AASHTO M270/M270H-12 GR50 Type 2 ASME SA36/SA36H-15 (01JUL15) ASME SA572/SA572H GR50 T2 (01JUL15)											
Chemical											
C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	Nb	CE
0.15	1.02	0.026	0.012	0.23	0.17	0.12	0.02	0.25	0.020	0.004	0.42
Yield Tensile Elongation											
	Yld-1 (KSI)	Yld-1 (MPa)	Ultimate-1 (KSI)	Ultimate-1 (MPa)	Elong ^B (%)	RPA (%)					
Sample-1	54.3	375	75.3	519	26.3	62.241					
	Yld-2 (KSI)	Yld-2 (MPa)	Ultimate-2 (KSI)	Ultimate-2 (MPa)	Elong ^B (%)	RPA (%)					
Sample-2	54.1	373	75.4	520	27.5	55.7953					
Approved ABS O&M Certificate No. 12 MMFQA-878. This material was melted and manufactured in our plant located in Roanoke, VA, USA, by Lewis Electric Fastener (11045318310) under the "ordered" Grade, Mercury, Radion or other Alpha source materials in any form have not been used in the production of this material. No Weld repair has been performed. Any test results stated herein, either on the good units or on units are to be regarded as separate as defined in the ASTM scope for this material. All samples tested are full size. Unless a metric specification is ordered, this material has been tested and meets the requirements of the inch-pound ranges. This is to certify the above to be a true and accurate report as contained in the records of this company.											
END OF CERTIFICATION					Engineer of Tests <u>Lewis E. Lefebvre, Jr.</u>						

qlc302 (v6 0)

Page 1 of 1

Date Printed: 06/29/2017

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