

Please Reply To:  
Sam Simons  
35 Griffin Road South  
Bloomfield, CT 06002  
203-482-5156  
[Sam.Simons@T-Mobile.com](mailto:Sam.Simons@T-Mobile.com)

May 23, 2017

Attorney Melanie Bachman Connecticut  
Siting Council  
10 Franklin Square  
New Britain, CT 06501

**EM-T-MOBILE-014-150612**

T-Mobile Site ID CT11024B

60 Hosley Ave, Branford CT

Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

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:

- Prior to antenna installation, T-Mobile shall perform modification drawings S-1 through S-4 in accordance with the structural analysis report prepared by Tectonic date/stamp by Antonio Gualtieri on June 4, 2015;
- 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 Engineer;
- 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 Northeast LLC 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 attached PE Closeout Letter dated May 22, 2017 provides evidence of compliance with the conditions outlined by the Council. In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of March 25, 2017.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations

Practical Solutions, Exceptional Service

Andrew Strock  
Project Manager – T-Mobile  
4 Sylvan Way  
Parsippany, NJ 07054

May 22, 2017

**RE: TEC. W.O. NO.: 7421.CT11024B  
60 HOSLEY AVENUE  
BRANFORD, CT 06405  
POST MODIFICATION INSPECTION REPORT**

Dear Mr. Strock,

At the request of T-Mobile, Tectonic Engineering and Surveying Consultants, P.C. (TECTONIC) is pleased to submit this "Post Modification Inspection Report" for the modification/reinforcement to the subject structure located at the address noted above. The purpose of the report is to confirm that the modifications as installed are in accordance with the documents listed below.

- Structural Analysis Report – Rev 2 (Reinforcement Design) prepared by TECTONIC, W.O#: 6421.CT11024B, dated June 4, 2015.
- Shop drawing "Approved as Noted" – Rev 1, prepared by Aero Solutions Inc., Project #: 589-15-0002, dated February 21, 2017.

A certified inspector from TECTONIC performed a climbing inspection to verify the modification installation on April 26, 2017. A Daily Field Report listing our findings was prepared and attached to this document. Based on our inspection, no deficiencies were noted upon the inspection.

TECTONIC was not present during the construction phase for this project. However, the modifications to the tower are in compliance with the above referenced documents.

Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable engineers practicing in this or similar situations. The interpretation of the field data is based on sound judgment and experience. However, concealed conditions cannot be

**NEWBURGH**  
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Newburgh, NY 12550  
T. (845) 567-6656  
F. (845) 567-8703

**CORPORATE OFFICE**  
P.O. Box 37  
70 Pleasant Hill Road  
Mountainville, NY 10953  
T. (800) 829-6531

EQUAL OPPORTUNITY EMPLOYER

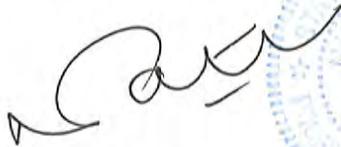
verified beyond the specific points of actual observation, sampling and testing. No other warranty, expressed or implied, is made as to the professional advice included in this report.

Digital Photographs were taken during our inspection, and copies are enclosed herewith for your reference.

Should you have questions, please do not hesitate to contact us.

Sincerely,

**TECTONIC**



Manojkumar Patel, P.E.  
Sr. Project Manager





# G-01: Daily Field Report

<b>Office Location</b>	<input type="checkbox"/> 70 Pleasant Hill Road Mountainville, NY 10953 P: (845) 534-5959 F: (845) 534-5999	<input type="checkbox"/> 29-16 40th Avenue Long Island City, NY 11101 P: (718) 391-9200 F: (718) 391-0807	<input type="checkbox"/> 1344 Silas Deane Highway, Suite 500 Rocky Hill, CT 06067 P: (860) 563-2341 F: (860) 257-4882	<input checked="" type="checkbox"/> 280 Little Britain Road Newburgh, NY 12550 P: (845) 563-9081 F: (845) 563-9085
	<input type="checkbox"/> 36 British American Blvd. Suite 101 Latham, NY 12110 P: (518) 783-1630 F: (518) 783-1544	<input type="checkbox"/> 1279 Route 300 Newburgh, NY 12550 P: (845) 567-6656 F: (845) 567-8703	<input type="checkbox"/> 8839 Mayland Drive, Suite 102 Richmond, VA 23294 P: (804) 217-8504 F: (804) 270-0593	<input type="checkbox"/> 6700 Old Collamer Road, Suite 104 East Syracuse, NY 13057 P: (315) 463-5020 F: (315) 463-5194

<b>Project Name:</b>	T-Mobile AMTRAK-Branford (CT11024B)	<b>Date:</b> 26 APR 17	<b>Non-Conformance Items</b>
<b>Location:</b>	Branford CT	<b>W.O.#:</b> 7421.CT11024	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

<b>Client:</b> T-Mobile	<b>Tectonic Project Manager:</b> Brian Wilson
<b>Owner:</b> AMTRAK	<b>Tectonic Field Representative:</b> Frank A. Morey Jr
<b>Specialty Contractor:</b> <input type="checkbox"/> Earth <input type="checkbox"/> Concrete <input type="checkbox"/> Steel <input type="checkbox"/> Other	<b>General Contractor:</b>
	<b>General Contractor's Representative:</b>

<b>Contractor Equipment Observed in use:</b>	<b>Plan and Specifications</b>
	By Tectonic
	Date 13 May 2015 REV 3
	Plans & Specs (available)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

<b>Visitors:</b>	<b>Representing:</b>	<b>Apr.</b>	<b>Dpt.</b>	<b>Shop Drawings</b>
				Type
				App. By

<b>Weather:</b> showers pre-climb, cloudy	<b>Temp. (°F)</b> 50's
<b>Forms Attached:</b>	<b>Samples</b>
<input type="checkbox"/> Special/ Progress Inspection Category	Type _____ Qty. _____
	Photos <input type="checkbox"/> Qty. _____

**Construction Activities:** *Indicate Activities Monitored*

On site per client request to perform Ajax bolted connection inspection for connecting the reinforcement channels to an existing monopole, observed the following:

o Meet with Brian Wilson of Tectonic on site with AMTRAK flagman. Received safety brief, discussed scope of work for today's climb. While actively climbing, contractor representative arrived to obtain results of inspection. Brian performed the photo log update. Bolted connections found to be wrench tight with all plies found to be in full contact; contractor stated final tensioning of bolts performed by Turn-of-nut-method.

<b>Follow-up from Prior report:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Date of Prior Report:</b>
<b>Non-Conformance Corrected:</b>	
<b>What, in particular, should be observed, checked, or tested during the next visit?</b>	
<b>Notice</b> The field representative is on site solely to observe operations of the contractor identified, observe conformance with contract documents, and report those operations to the client. The presence and activities of the field representative does not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.	

This DFR is Preliminary This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

This DFR is Final A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

<b>Field Representative:</b> Frank A. Morey Jr	<b>Date:</b> 26 APR 17
<b>Reviewed By:</b>	<b>Date:</b>



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<b>Owner:</b> AMTRAK	<b>Tectonic Field Representative:</b> Frank A. Morey Jr

**Construction Activities:** *Indicate Activities Monitored* [CONTINUED]

o ELEV 78'-2" +/- to 85'-7" +/- : Lower elevation bolts at the bridge splice have three thread projection beyond face of nut, with upper level bolts projection of an inch +/-

o All higher elevations: Bolt projection was flush with face of bolt with additional washers added as needed to ensure all plies in full contact.

Reinforcement height is 78'-2" to 136'-10" +/-, reinforcement bolted connections assessed full height as accessible from the climbing rungs / Cable fall protection. As built condition is in compliance with applicable drawings.

This DFR is Preliminary This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

This DFR is Final A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

<b>Field Representative:</b>	Frank A. Morey Jr	<b>Date:</b>	26 APR 17
<b>Reviewed By:</b>		<b>Date:</b>	

- \*NOTE:**
1. ALL ELEVATIONS ARE RECORDED FROM THE TOP OF THE BASE PLATE.
  2. ALL PORT HOLE ELEVATIONS ARE RECORDED UP TO BOTTOM OF PORT HOLES.
  3. FIELD DRILL ALL FOOTPADS USED FOR ANCHOR ROD BRACKET.
  4. TRIM SHIMS TO FIT WHERE REQUIRED.
  5. A FIELD LAYOUT IS REQUIRED TO ASSURE THE FITMENT OF REINFORCEMENT PRIOR TO ANY WORK ON TOWER AND WRITTEN NOTICE THAT THE PARTS FIT PER THE REINFORCEMENT DRAWINGS MUST BE RECEIVED BY AERO SOLUTIONS WITHIN 24 HOURS OF MATERIAL DELIVERY.
  6. THIS IS A SUPPLEMENTAL ASSEMBLY DRAWING IN ADDITION TO PERMIT DRAWINGS. FULL SCOPE OF WORK MAY EXCEED THAN SHOWN IN THIS DRAWING.

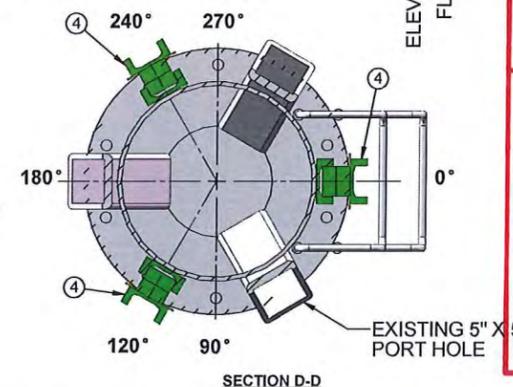
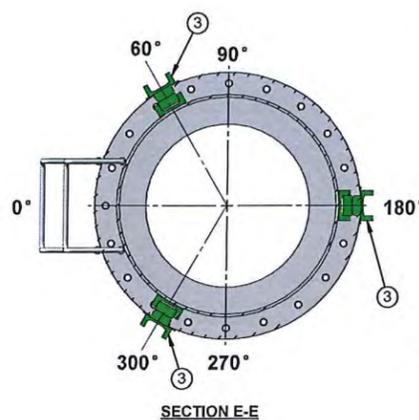
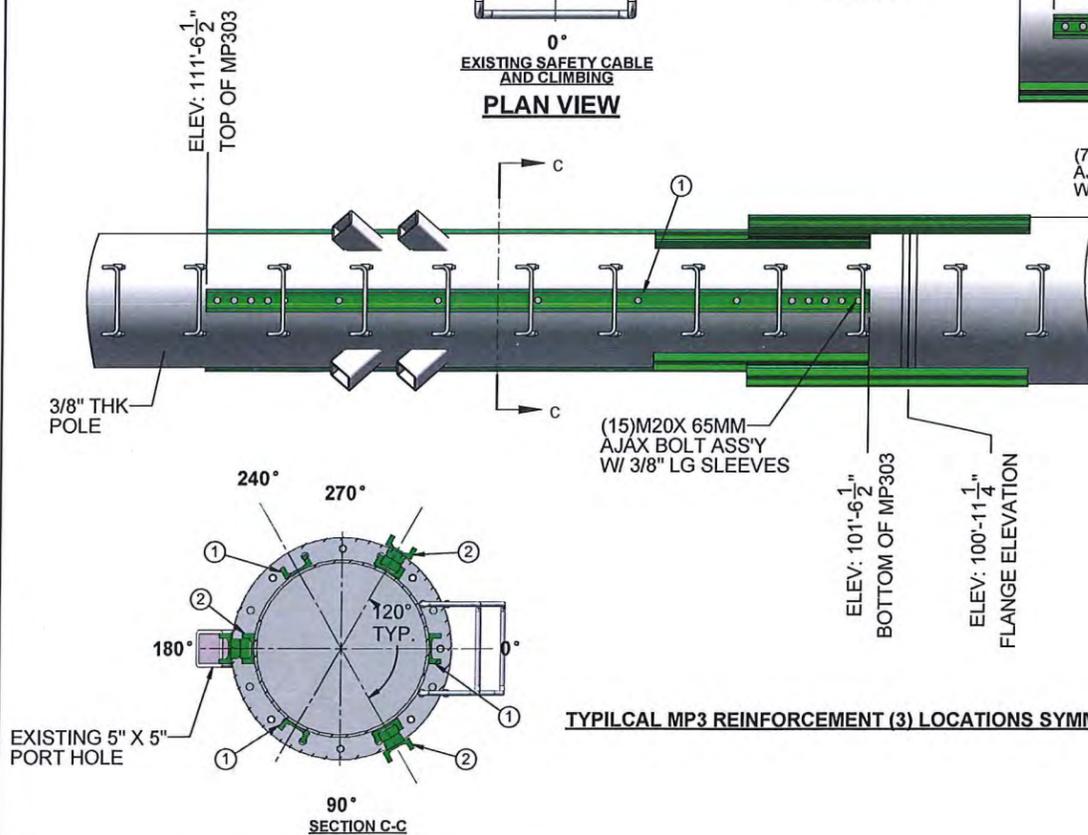
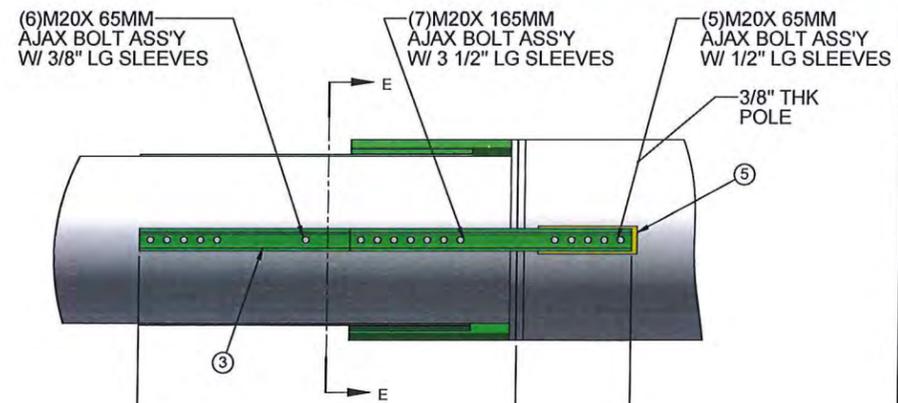
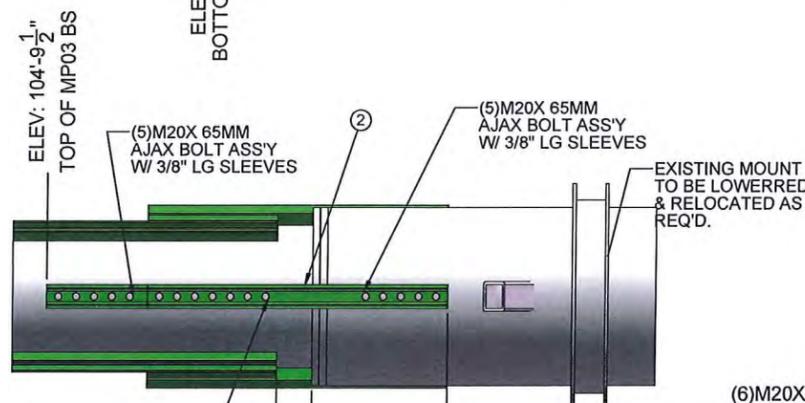
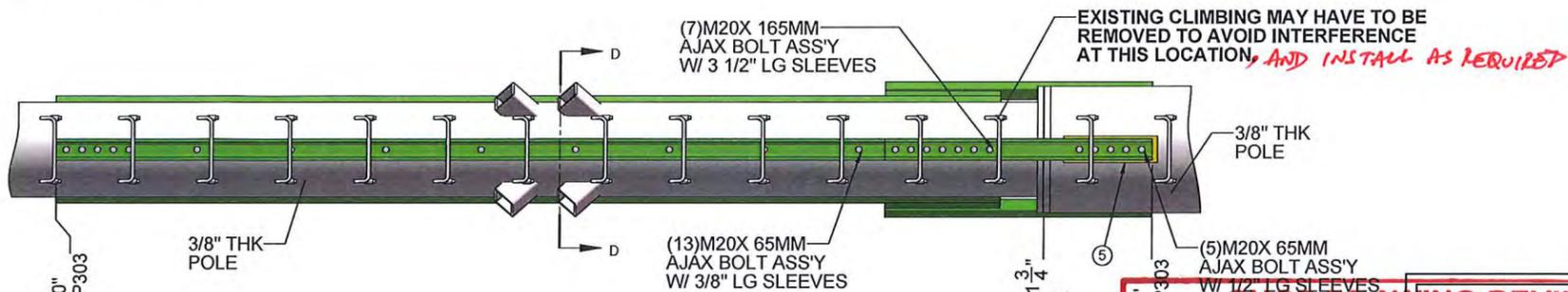
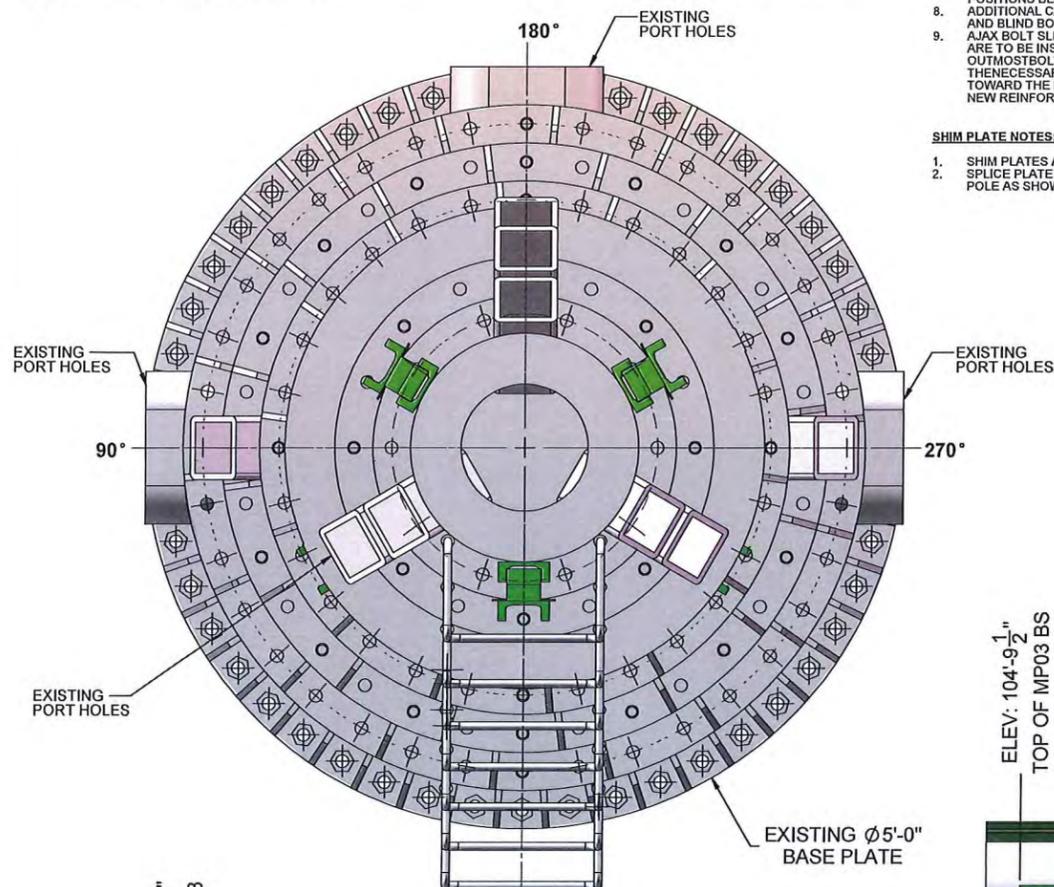
**AJAX NOTES FOR MP3 SERIES:**

1. INSTALL POLE-MAX CHANNEL SYSTEM AT (3) LOCATIONS PER PLAN VIEW.
2. USE AJAX BOLT SIZE NOTED W/ CORRECT SLEEVE LENGTHS PER NOTES IN ELEVATION VIEW.
3. ALL HOLES DRILLED IN POLE TO BE 1/16" DIA AND SOLVENT CLEANED AND TOUCHED UP W/ ZRC ZINC RICH PAINT.
4. SLIP-JOINTS TO BE JACKED TOGETHER USING 6 TON COME-A-LONGS PRIOR TO MOUNTING CHANNELS.
5. AJAX BOLTS SHALL BE PRETENSIONED USING TURN-OF-NUT METHOD IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS," DATED DECEMBER 31, 2009, BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. MATCH MARKING OF THE CONNECTIONS IS REQUIRED FOR FINAL INSPECTION. REFERENCE QAP-45 AERO SOLUTIONS AJAX INSTALLATION.
6. APPLY A NON-OIL BASED LUBRICANT TO EACH AJAX NUT BEFORE INSTALLING TO PREVENT SEIZING AND GALLING OF THREADS.
7. ALL CHANNELS AND CHANNEL WELDMENTS ARE STAMPED WITH PART NUMBER NEAR ONE END, CAREFULLY NOTE POSITIONS BEFORE MOUNTING.
8. ADDITIONAL CARE MUST BE USED AT SPLICE CONNECTIONS TO INSURE ALIGNMENT OF SPLICE PLATES AND BLIND BOLTS IN CHANNELS.
9. AJAX BOLT SLEEVES HAVE BEEN SIZED TO ENGAGE THE POLE SHAFT AND NEW REINFORCEMENT. THE SLEEVES ARE TO BE INSERTED FIRMLY AGAINST SPLIT WASHER INSIDE POLE AND HAVE A 1/8" TO 1/4" GAP BETWEEN THE OUTMOST BOLTING SURFACE AND THE OUTERMOST SURFACE OF THE SLEEVE. THE CONTRACTOR SHALL INCORPORATE THE NECESSARY MEASURES TO INSURE THAT THE SLEEVES DO NOT SLIDE FORWARD AND THEY REMAIN POSITIONED TOWARD THE BACKSIDE OF THE HOLE ENGAGING BOTH SIDES OF THE SHEAR PLANE BETWEEN THE POLE SHAFT AND THE NEW REINFORCEMENT.

**SHIM PLATE NOTES:**

1. SHIM PLATES ARE TO BE USED BELOW SPLICE-JOINTS AS NOTED IN ELEVATION VIEW.
2. SPLICE PLATE SHIMS ARE TO BE USED IN LOWER HALF OF SPLICE CONNECTION TO KEEP CHANNEL FLUSH WITH POLE AS SHOWN IN TYPICAL SPLICE SECTION DETAIL.

ITEM NO	QTY.	PART NUMBER	DESCRIPTION	MATERIAL	WT EA.	EXT. WT.
1	3	MP303-10NSI	MP303 NO SPLICE INDEPENDENT X 10' 0" LG	A572-GR65	98	294
2	3	MP303-BS-NSI	MP303 BRIDGE STIFFENER NSI	A572-GR.65	110	330
3	3	MP303- MP303-05 BS-NSI	MP303-MP303 BRIDGE STIFFENER NSI 5' LG	A 572 GR65	127	381
4	3	MP303-MP303-15 BS-NSI	MP303-MP303 BRIDGE STIFFENER NSI 15' LG	A 572 GR65	228	684
5	6	MP303NSI-SSP-12	NSI STD SHIM PLATE 1/8" THK X 5" X 1'-6" LG	A36	3.03	18.18
6	132	M20 X 65MM	AJAX BOLT ASSEMBLY 65 MM LONG	GALV.	1	132
7	42	M20 X 165MM	AJAX BOLT ASSEMBLY 165 MM LONG	GALV.	1	42
8	102	PC8.8-380	SLEEVE 1.14" O.D. X .80 I.D. X 3/8" LG	A519 (GALVILITE)	0.06	6.12
9	30	PC8.8-500	SLEEVE 1.14" O.D. X .80 I.D. X 1/2" LG	A519 (GALVILITE)	0.07	2.1
10	42	PC8.8-350	SLEEVE 1.14" O.D. X .80 I.D. X 3 1/2" LG	A519 (GALVILITE)	0.52	21.84
<b>TOTAL WT.</b>					<b>1911.24</b>	



**SHOP DRAWING REVIEW**

**Approved**  
**Approved as Noted**

Reviewed by: VINOD RAMESH  
Date: 02/22/17 W.O.#: 6421-CT11024B  
**TECTONIC Engineering Consultants P.C.**

**Aero Solutions LLC**  
Optimizing Your Tower Infrastructure  
Aero Solutions LLC  
555 Central Pkwy, Ste. 100  
Burlington, CT 06901  
726.304.6882  
www.aerosolutionsllc.com

Approval is only for general conformance with the design concept of the Project and the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and coordinated at the job site; information that pertains solely to the fabrication of the work is the means and methods of construction; coordination of the work of all trades; and performing all work in a safe and satisfactory manner. This approval does not modify Contractor's duty to comply with the Contract Documents.

AERO PROJECT#	589-15-0002
DATE	1/18/2016
DRAWN BY	AS
CHECKED BY	AERO

**PROJECT INFORMATION**

**CT11024B**  
**AMTRACK BRANFORD**  
60 HOUSLEY AVE  
BRANFORD, CT 06405



REVISIONS				
REV.	DESCRIPTION	DATE	REV BY	APPR BY
00	INITIAL RELEASE	1/18/2016	AS	TECTONIC
01	WELDED BS REPLACED WITH BOLTED BS	2/21/2017	AS	TECTONIC

SHEET NUMBER  
**S-2**

CT11024B REINFORCEMENT – PMI



*Photo 1: Partial Monopole Elevation*



*Photo 2: Reinforcement Channel w/Bridge Stiffeners from approximately 121' to 136'*



*Photo 3: Reinforcement Channel w/Bridge Stiffeners from approximately 99' to 111'*



*Photo 4: Reinforcement Channel w/Bridge Stiffeners from approximately 79' to 86'*