

# G-01: Daily Field Report

<b>Office Location</b>	70 Pleasant Hill Road Mountlaurville, NY 10953 P: (845) 534-5959 F: (845) 534-5999	29-16 40th Avenue Long Island City, NY 11101 P: (718) 391-9200 F: (718) 391-0607	1344 Silas Deane Highway, Suite 500 Rocky Hill, CT 06067 P: (860) 563-2341 F: (860) 257-4892	280 Little Britain Road Newburgh, NY 12550 P: (845) 563-9081 F: (845) 563-9085	
	36 British American Blvd. Suite 101 Latham, NY 12110 P: (518) 783-1630 F: (518) 783-1544	1279 Route 300 Newburgh, NY 12550 P: (845) 567-6656 F: (845) 567-8703	8639 Mayland Drive, Suite 102 Richmond, VA 23294 P: (804) 217-8504 F: (804) 270-0593	6700 Old Collamer Road, Suite 104 East Syracuse, NY 13057 P: (315) 463-5020 F: (315) 463-5194	
	<b>Project Name:</b> Nanuet UFSD - Senior High School (Phase III)		<b>Date:</b> 02-22-24		<b>Non-Conformance Items</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	<b>Location:</b> 103 Church Street - Nanuet, NY		<b>W.O.#:</b> 11432.03		
<b>Client:</b> Nanuet UFSD		<b>Tectonic Project Manager:</b> James Duesel / James Orcutt			
<b>Owner:</b> Nanuet UFSD		<b>Tectonic Field Representative:</b> Joseph Minnetto III			
<b>Speciality Contractor:</b> <input type="checkbox"/> Earth <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Steel <input type="checkbox"/> other <b>United Iron</b>		<b>General Contractor:</b> Jacobs (CM)			
		<b>General Contractor's Representative:</b> Virgil Gonzalez (CM rep.)			
<b>Contractor Equipment Observed in use:</b> N/A - all structural steel bolting / welding work previously completed.		<b>Plan and Specifications</b> By Structural Plans (Clapper / KSQ) Date 06-06-23 Plans & Specs (available)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
<b>Visitors:</b>	<b>Representing:</b>	<b>Apr.</b>	<b>Shop Drawings</b> Type Structural Steel - Erection (E1, E2) App. By For RTU-04 (app. by Clapper - 12-04-23)		
<b>Weather:</b> Overcast		<b>Temp. (°F)</b> 35-40			
<b>Forms Attached:</b> DFR p. 2; RFI #11; WPS; Welder Certification; E1 sheet; email correspondences; NCR / Punch List		<b>Samples</b> Type _____ Qty. _____ Photos <input checked="" type="checkbox"/> Qty. (8)			
<b>Construction Activities:</b> <i>Indicate Activities Monitored</i> On site per client's request to perform a visual examination of the recently-installed structural steel RTU-HS-4 Dunnage Framing (field-welding and high-strength bolting inspection).  Upon arrival, our rep. met with the on-site representative of Jacobs (CM), Virgil Gonzalez, to discuss the scope of work requiring inspection and was escorted to the area of work. Our rep. was provided with the most recent revision of the Structural Steel Framing Erection Drawings, as well as RFI #11. These documents were utilized in conjunction with the Structural Plans to determine the compliance of the work (which was completed by United Iron personnel on a prior date). Upon request from United Iron, a Welding Procedure Specification (WPS) [for fillet welds deposited in the field with 1/8" dia. E7018 electrodes and the Shielded-Metal Arc-Welding (SMAW) process] was provided. Additionally, the attached					
<b>Follow-up from Prior report:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<b>Date of Prior Report:</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.	
<b>Non-Conformance Corrected:</b>					
<b>What, in particular, should be observed, checked, or tested during the next visit?</b>					
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> 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>		Joseph Minnetto III		<b>Date:</b> 02-22-24	
<b>Reviewed By:</b>				<b>Date:</b>	



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Project Name:	Nanuet UFSD - Senior High School (Phase III)	Date:	02-22-24
Location:	103 Church Street - Nanuet, NY	W.O.#:	11432.03

Client: Nanuet UFSD	Tectonic Project Manager: James Duesel / James Orcutt
Owner: Nanuet UFSD	Tectonic Field Representative: Joseph Minnetto III

Construction Activities: *Indicate Activities Monitored*

[CONTINUED]

AWS D1.1 Certified Welder Card for the welder who performed the work -- Mark A. Primo -- was provided. These two (2) documents were reviewed and were found to be acceptable to AWS D1.1 Structural Welding Code requirements.

Our rep. observed that all specified structural steel posts, beams, and braces were present and installed in their respective indicated locations (as required by the E1 and E2 Roof Dunnage Framing Plan sheets). Structural steel sizes and grades matched the requirements of the Structural Plans and Erection Drawings. All high-strength bolted connections were completed as required, as the specified quantity of 3/4" dia. ASTM A325TC bolts were present in each bolted connection and these tension control bolts were pretensioned previously via the utilization of a tension control shear wrench (as evidenced by severed splines). All high-strength bolted faying surfaces were observed to be in firm contact as well; therefore all high-strength bolted connections were accepted. See the attached photos labeled #1 through #5 for typical visual details of the structural steel and high-strength bolted connections accepted.

Photo #6 depicts the 1/8" dia. E7018 electrodes which were found to be present amongst the structural steel. These were utilized by the aforementioned certified welder to complete the specified field-welded connections. The field-welded connections are as follows:

Per RFI #11 (see attached), three (3) of the five (5) HSS post base plates were required to be field-welded to the existing structural steel beam(s) below. See attached for this email correspondence outlining the acceptance of 1/4"-sized, 4-sided fillet welds. Our rep. visually examined all of the field welding performed and observed it to be acceptable to this directive and AWS D1.1 visual acceptance criteria (as weld quality was acceptable). See attached photo #7 for typical visual details of these accepted welds.

The other two (2) HSS post base plates were required to be installed per the original design [with four (4) 5/8" dia. threaded rod anchors installed with Hilti HIT HY-270 epoxy]. The adhesive anchoring was performed on prior date(s) at all but one (1) anchor location. See the attached highlighted E1 plan view sheet for the location where it was not done (due to an existing bar joist top chord interfering with the proposed location. The Engineer of Record responded after today's inspection and is requiring the location to be shifted approx. 2" to avoid the existing bar joist top chord. Given that all other adhesive anchor nuts were snug-tightened and the specified non-shrink grout was installed below each base plate, Tectonic can approve acceptance of this work via photograph on a future date (considered a punch-list item for now).

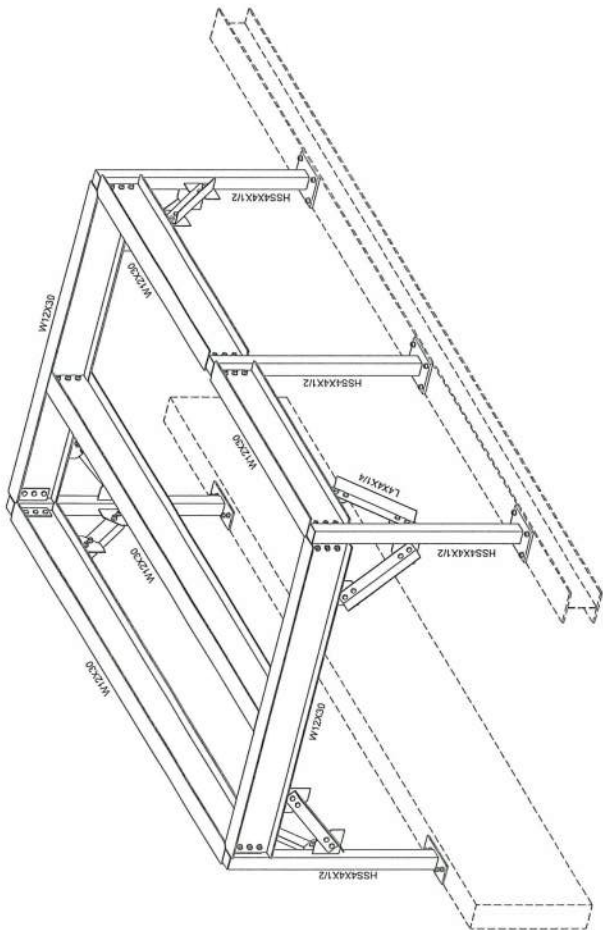
<input checked="" type="checkbox"/> This DFR is Preliminary	This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a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

Field Representative:	Joseph Minnetto III	Date:	02-20-24
Reviewed By:		Date:	





**[ (1) Threaded rod still requiring re-location per BOR directive ]**



ISOMETRIC VIEW  
RTU-HS-4 & RTU-HS-5

BILLING ITEM:				
LOCATION:				
CONTRACT REF. DRWG:				
UNITED IRON DETAILS:				
SPECIFICATIONS:				
MATERIAL TYPE: ASTM-992 u/n				
AS10 GR.-B u/n, A18				
WELDING ELECTRODE: E70T18				
FINISH: GALVANIZED				
HOLES: 1/4" MIN u/n				
SHOP HARDWARE:				
FIELD HARDWARE:				
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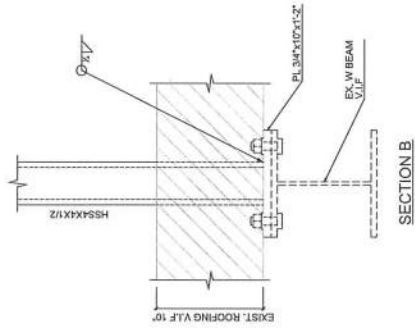
fill welded  
1/2" fillet  
welds from  
HSS base  
plates to  
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structure!  
steel beams

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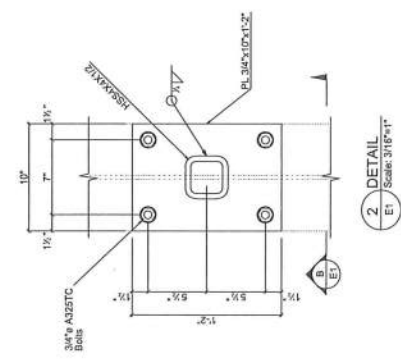
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**field welded  
1/4" fillet  
welds from  
HSS base  
plates to  
exist.  
structural  
steel beams**

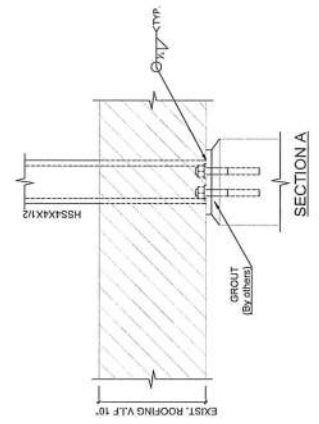
ANCHOR PLAN VIEW RTU-HS-4 & 5  
SCALE: 1/2"=1'-0"



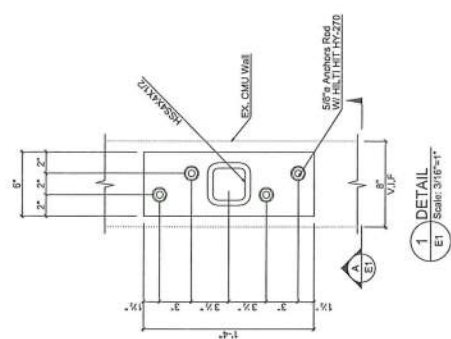
SECTION B



2 DETAIL  
E1 Scale: 3/16"=1"



SECTION A



1 DETAIL  
E1 Scale: 3/16"=1"

5/8" Anchors Rod  
w/ 1/2" HT HZ-220

EX. CMU Wall

EXIST. ROOFING V.L.F. 10"

GROUT (Ex. others)

EXIST. W BEAM V.L.F.

PL 3/4x10x1/2-2

HSS4x1/2

10"

1/2"

3"

3"

3"

3"

1/2"

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Phase 03 - Mechanical Contract 01 - Joe Lombardo Plumbing & I

011 - RFI #11 CHANGE DETAIL TO WELDING

**Subject**

RFI #11 CHANGE DETAIL TO WELDING

**Status**

Closed ●

**Discipline**

**Importance**

**Location**

**Created On**

2/7/2024

**Due Date**

2/14/2024

**Date Resolved**

**Author**

Michele Rood

Joe Lombardo Plumbing & Heating of Rockland, NY

**Resolved By**

**QUESTION** Michele Rood on 2/7/2024 10:20 AM

When I UNITED IRON was laying out the roof openings for the posts, they discovered on the far side of the beam the adjacent bay of joist is not where they were believed to be as per the Structural Contract Dwgs.

We propose to switch this to welding. The locations stay the same.

To keep the schedule of Mid Winter Recess United Iron would just want to get welding the posts approved prior.

Please see below is the proposed weld detail.

Also above is an area where my post sits on the CMU wall I will bring leveling nuts so it won't stop the installation, but this will need to be pointed/grouted prior to loading the dunnage.



File

RFI #11 Change de...  
Michele Rood

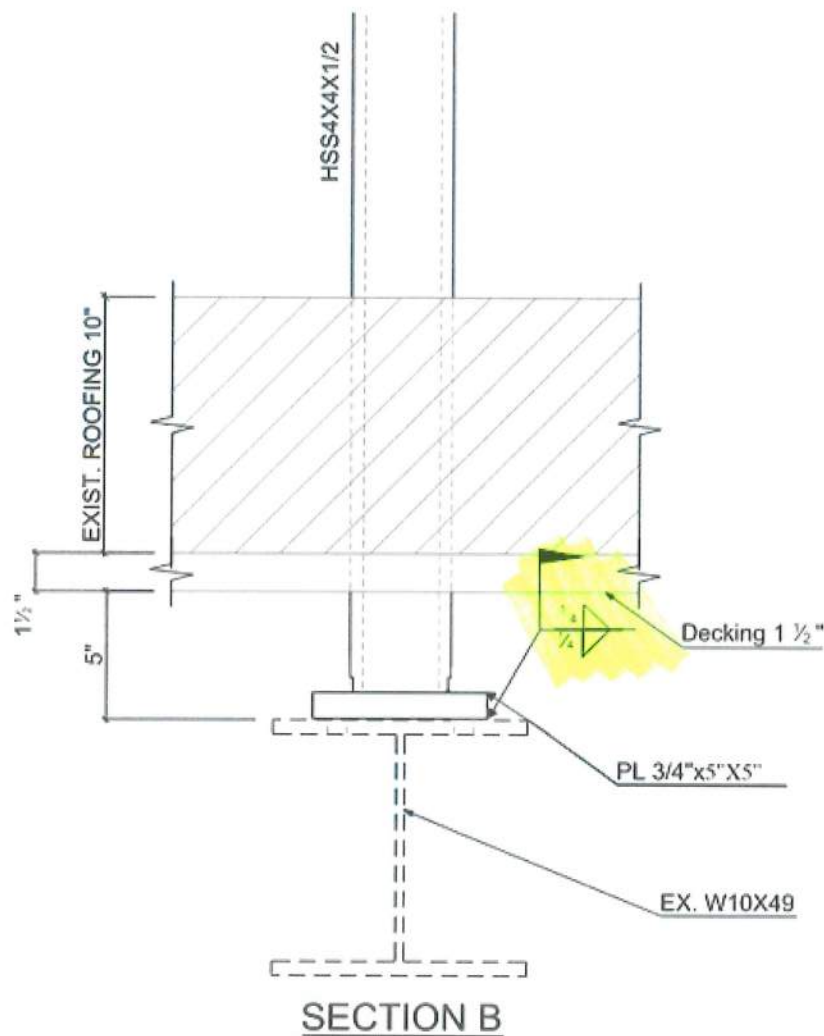
**COMMENT** Virgil Gonzalez on 2/7/2024 10:44 AM


Clapper please expedite review

**COMMENT** Bryan Clapper on 2/12/2024 02:30 PM

Clapper Structural has Reviewed this RFI and find it acceptable to field weld the plate to the existing beam instead of bolting. All 4 sides of the plate need to be welded to the existing top flange of the existing beam





C	12/19/23	FOR APPROVAL
B	11/29/23	FOR APPROVAL
A	11/03/23	FOR APPROVAL
REV.	DATE	DESCRIPTION
FABRICATION		FIELD
		U
		F
APPROVED AS NOTED		DRV
APPROVED		DRA
		CHE
<small>914-667-5700 212-365-5275</small>  <small>6 ROSLYN PLACE</small>		
JOB <u>NANUET UNION FREE</u> <u>HIGH SCHOOL</u>		
ARCH. <u>KSQ DESIGN - 21</u>		
G.C. _____		
TITLE <u>RTU-HS-4 &amp; R'</u> <u>ROOF DUNNAGES PLAN VIE</u>		
JOB NO.	BILL NO.	EX
<b>2346</b>	<b>B 02</b>	<b>X</b>

Thank you.

**Richard DiSalvo**  
Project manager



United Iron Inc.  
6 Roslyn Place  
Mount Vernon, NY 10550  
OFFICE:914-667-5700  
CELL:914-351-3065  
[Email:RichardD@UnitedIronInc.com](mailto:RichardD@UnitedIronInc.com)  
ter,

Minnetto, Joseph

[email correspondence for final drilled & epoxied threaded rod — to be installed on future date]

**From:** Gonzalez, Virgil <Virgil.Gonzalez@jacobs.com>  
**Sent:** Thursday, February 22, 2024 10:30 AM  
**To:** Bryan Clapper  
**Cc:** Epstein, Matt; Douglas Kay; Ofe Pearson  
**Subject:** Re: [EXTERNAL] Re: NUFSD - Phase 3 - RTU-HS-04 Steel Dunnage

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Thanks Bryan, will advise the contractor to drill and epoxy accordingly.

**Virgil Gonzalez, CMIT** | [Jacobs](#) | PMCM Northeast Region  
M: 347.274.5665 | [Virgil.Gonzalez@Jacobs.com](mailto:Virgil.Gonzalez@Jacobs.com)

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**From:** Bryan Clapper <bryan@clapperstructural.com>  
**Sent:** Thursday, February 22, 2024 10:18 AM  
**To:** Gonzalez, Virgil <Virgil.Gonzalez@jacobs.com>  
**Cc:** Epstein, Matt <Matt.Epstein@jacobs.com>; Douglas Kay <dkay@ksq.design>; Ofe Pearson <opearson@ksq.design>  
**Subject:** [EXTERNAL] Re: NUFSD - Phase 3 - RTU-HS-04 Steel Dunnage

Virgil,

They should drill another hole that will miss the bar joist. It looks like it has to shift towards the column about 2".

Bryan

On Wed, Feb 21, 2024 at 4:40 PM Gonzalez, Virgil <Virgil.Gonzalez@jacobs.com> wrote:

Bryan,

During the erection of the RTU-HS-04 Steel Dunnage by Lombardo today, we observed a condition where a bolt for one of the HSS 4x4x1/2 column plates could not be drilled & epoxied into the cmu. This bolt is lined up with the top of an existing bar joist's flange whereas the others are above the cmu as expected. We wanted to run this by you and see if you believe this would be acceptable with only (3) bolts and non-shrink grout or advise an alternate connection.

Steel and weld inspection is also being conducted in the morning so we'll let you if they identify any other issues.

Thanks,



## UNITED IRON INC.

AWS D1.1M:2010

WELDING PROCEDURE SPECIFICATION (WPS) Yes ☐  
 PREQUALIFIED ☒ QUALIFIED BY TESTING ☐  
 or PROCEDURE QUALIFICATION RECORDS (PQR) Yes ☐

Company Name UNITED IRON INC  
 Welding Process(es) SMW  
 Supporting PQR No.(s) PREQUALIFIED

Identification #         
 Revision        Date         
 Authorized by         
 Type—Manual ☒  
 Mechanized ☐

By TED VANEY, P.E.  
 Date         
 Semiautomatic ☐  
 Automatic ☐

## JOINT DESIGN USED

Type: FLUET WELD  
 Single ☐ Double Weld ☒  
 Backing: Yes ☐ No ☒

Backing Material:       

Root Opening        Root Face Dimension         
 Groove Angle: 7/8 Radius (J-U)         
 Back Gouging: Yes ☐ No ☐ Method       

## BASE METALS

Material Spec. A5TM  
 Type or Grade A36, A572 GR 50  
 Thickness: Groove        Fillet 1/4"  
 Diameter (Pipe)       

## FILLER METALS

AWS Specification AWS A5.1  
 AWS Classification E70XX  
E7018 OR BETTER

## SHIELDING

Flux ☒ Gas         
 Composition         
 Electrode-Flux (Class)        Flow Rate         
 Gas Cup Size       

## PREHEAT

Preheat Temp., Min. 50°F  
 Interpass Temp., Min. 65°F Max. 350°F

## POSITION

Position of Groove:        Fillet: ALL  
 Vertical Progression: Up ☐ Down ☐

## ELECTRICAL CHARACTERISTICS

Transfer Mode (GMAW)        Short-Circuiting ☐  
 Globular ☐ Spray ☐  
 Current: AC ☐ DCEP ☒ DCEN ☐ Pulsed ☐  
 Power Source: CC ☐ CV ☐  
 Other         
 Tungsten Electrode (GTAW)  
 Size:         
 Type:       

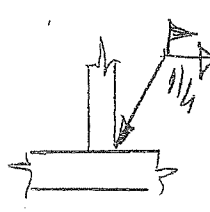
## TECHNIQUE

Stringer or Weave Bead: STRINGER OR WEAVER  
 Multi-pass or Single Pass (per side) SINGLE  
 Number of Electrodes         
 Electrode Spacing        Longitudinal         
 Lateral         
 Angle         
 Contact Tube to Work Distance         
 Peening NOT ALLOWED  
 Interpass Cleaning: METAL WIRE BRUSH

## POSTWELD HEAT TREATMENT

Temp.         
 Time       

## WELDING PROCEDURE

Pass or Weld Layer(s)	Process	Filler Metals		Current		Volts	Travel Speed	Joint Details
		Class	Diam.	Type & Polarity	Amps or Wire Feed Speed			
<u>SINGLE</u>	<u>SMW</u>	<u>E7018</u>	<u>1/8"</u>	<u>DCEP</u>	<u>140-180 A</u>	<u>20-22V</u>	<u>5-10</u>	



American Welding Society®

**AWS CERTIFIED WELDER**  
Welders, Brazers and Operators

**Mark A. Primo**  
Cert # 1401306W

1-800-443-6853 Ext. 273 information regarding certification and certification at the

Issuance of this card may be verified by calling or writing:

Certification Department of the American Welding Society

9600 NW 36th St., #136, Miami, FL 33166

Verification of the information on this card, including the test date and expiration date can be obtained by visiting the AWS website at [www.aws.org/certification\\_search.html](http://www.aws.org/certification_search.html)

VALID ONLY IF ACCOMPANIED BY PHOTO ID




**American Welding Society®**  
**CERTIFIED WELDER**

This Card is the property of AWS and shall be returned on demand.







NYC

Buildings

WELDER


Name: MARK A. PRIMO


License No: 8470

Issue Date: 02/10/2023


Exp. Date: 02/10/2026

CLASS:



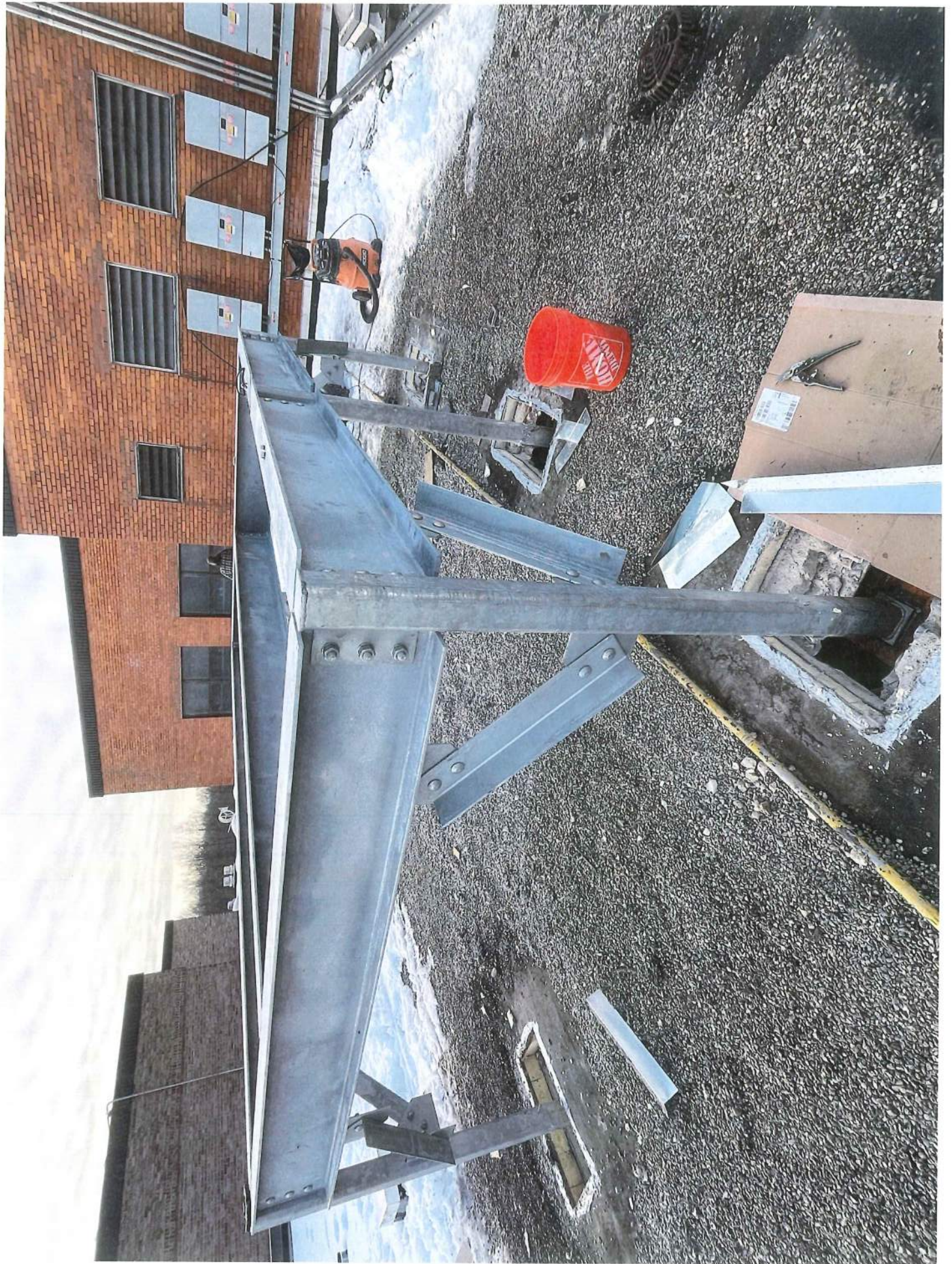


Acting Commissioner's Signature

Mark A. Primo									
#	Test Date	Sup	Code	Process(es)	GAS	Filler	Base	Pos	Expires
1	1/14/2014	G	D1.1	FCAW	Co2	Metal	A36	3G	8/19/2024
2	12/31/2013	G	D1.1	SMAW	N/A	F4	A36	All; 3G, 4G	8/19/2024
3	6/4/2016	G	D1.6	GTAW	AR	E308	A312	2G, 3GV, 4G	8/19/2024
4	4/22/2017	G	D1.6	SMAW SS	N/A	E309L	A36, A16	2G, 3GV, 4G	8/19/2024
5	3/24/2018	G	D1.1	FCAW-S	N/A	E71T-8	A36	3G V & 4G	8/19/2024
<div> <div>Thickness, Backing</div> <div>Thickness, Pipe, OD &amp; Backing</div> <div>U WB</div> <div>Unlimited; 1" W/Backing</div> <div>1/16" 3/4"</div> <div>1/8" To Unlimited: WB, L 2.4" &lt;- OD: WB</div> <div>1/8" To Unlimited: WB, L 2.4" &lt;- OD: WB</div> </div>									



[ Photo #1 ]





[ Photo #2 ]





[ Photo#3 ]





[ Photo #4 ]



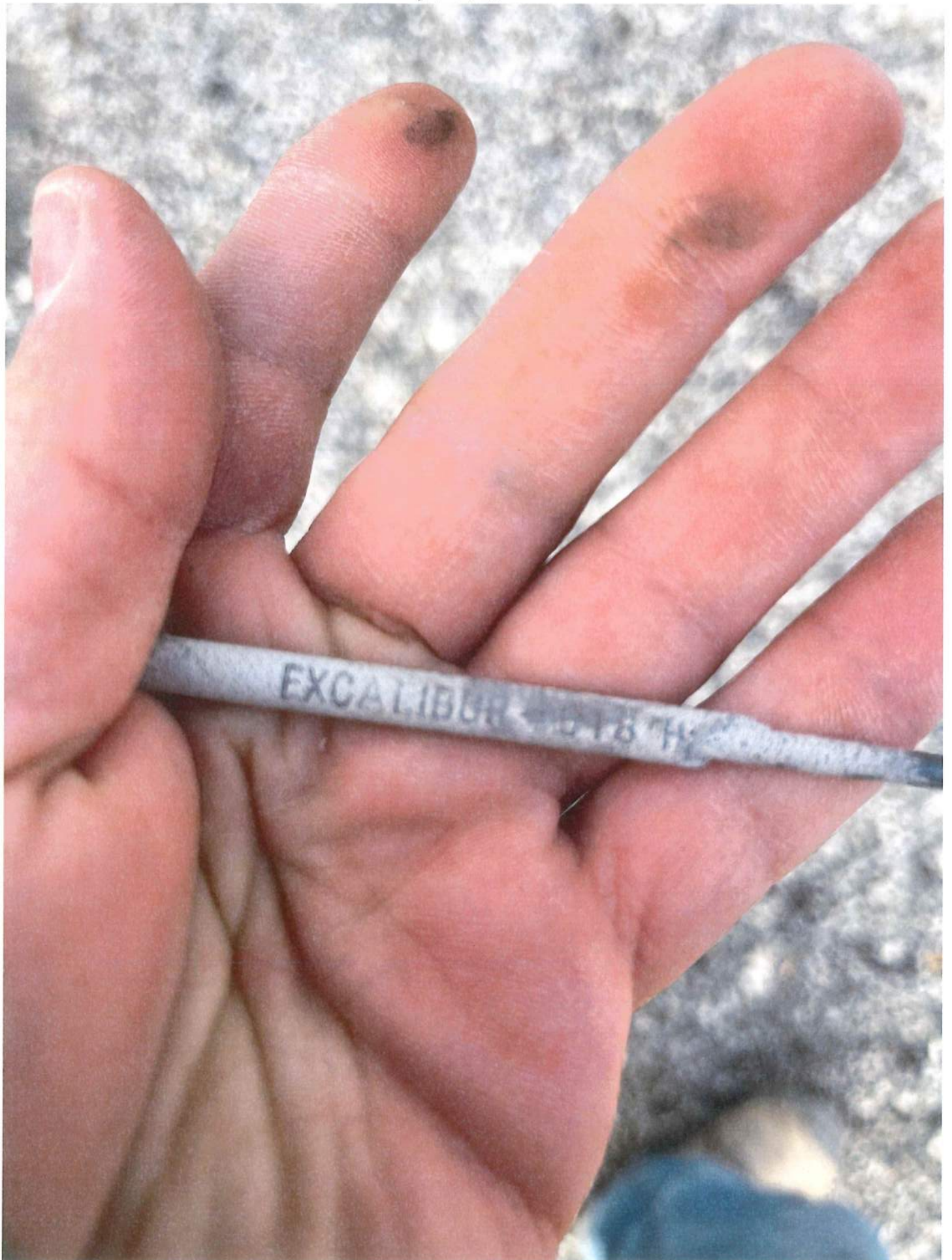


[Photo #5]





[ Photo #6 ]





[ Photo #7 ]





[ loc. of exist. bar joint top chord interference ]

[ original anchor loc. to be shifted ]

[ N/E item to be closed upon completion of new adhesive anchor installed ]

