

## G-04: SIGN-IN SHEET

Project Name: <u>Nanuet UFSD - Barr Middle School Roof Reinforcements</u>		W.O.#: <u>11432.01</u>	
Location: <u>101 Church St. - Nanuet, NY</u>		Date: <u>01-04-24</u>	
Sub-Consultant:		Title: <u>CWI / Senior Tech.</u>	
Name: <u>Joseph Minnetto III</u>			
Type of Inspection: <u>Structural steel - welding/bolting (visual)</u>			
Time Started: <u>3:00 PM</u>	Start Lunch: <u>-</u>	End Lunch: <u>-</u>	Time Completed: <u>6:00 PM</u>
		Total Hours: <u>3.0 (+) -</u>	

### Travel Time In Excess of (1) Hour Each Way / Equipment Transport

Travel Time ( From Lab To Site )	Travel Time ( From Site To Lab )	Total Hours:
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<input type="checkbox"/>	Dye Penetrant	<input checked="" type="checkbox"/>	Other + 1 hr. report writing →	= 4.0 hrs. half-day min. billed
<input type="checkbox"/>	Magnetic Particle	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Ultrasonic Testing	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Torque Wrench	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Nuclear Moisture-Density Gauge	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Concrete Coring Equipment	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Microwave	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Pull-Test Equipment	<input type="checkbox"/>	Other _____	
<input type="checkbox"/>	Adhesion/Cohesion Test	<input type="checkbox"/>	Other _____	

Comments:

[illegible]

## Client Verification

Name:	Title:
Signature:	Date:

# 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) 391-0607	<input type="checkbox"/> 1344 Silas Deane Highway, Suite 500 Rocky Hill, CT 06067 P: (860) 563-2341 F: (860) 257-4882	<input type="checkbox"/> 280 Little Britain Road Newburgh, NY 12550 P: (845) 563-9081 F: (845) 563-9085															
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<b>Construction Activities:</b> <i>Indicate Activities Monitored</i> On site per client's request to perform a visual examination of structural steel installed amongst existing steel bar joists to strengthen connections for propose RTUs at the roof level of the Nanuet Barr Middle School.																			
Upon arrival, our rep. met with Nick Carvalho of Jacobs, then was escorted to meet with the on-site representatives of the GC and United Iron (structural steel subcontractor who performed the work). Prior to today, a NYC Buildings welder card was provided for the welder who performed the work in the field (Andre Reid) - however, our rep. requested and was subsequently provided with his AWS D1.1 certified welder card instead (due to the work being outside NYC / Yonkers). Additionally, upon request, an AWS D1.1 compliant Welding Procedure Specification (WPS) was provided, reviewed, and was accepted for this work. See attached for these documents.																			
Follow-up from Prior report: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Date of Prior Report:																	
Non-Conformance Corrected:		Notice																	
What, in particular, should be observed, checked, or tested during the next visit?		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.																	
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Field Representative: Joseph Minnetto III		Date: 01-04-24																	
Reviewed By: <i>Frank A Morey Jr</i>		Date: 9 JAN 2024																	





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<b>Construction Activities:</b> <i>Indicate Activities Monitored</i> Our rep. utilized the on-site and provided Structural Steel Erection Drawings (dated 12-20-23) by United Iron, Inc. to determine the compliance of the work in conjunction with the Project Specifications and AWS D1.1 Structural Welding Code requirements. All seven (7) areas, as shown on the plan view sheet E4, were ready for inspection today. Our rep. was provided access via ladder and the other on-site representatives removed the drop ceiling tiles to allow for visual examinations of the field-installed fillet welds to be performed by our representative with a flashlight and fillet weld gauges. All areas were found to exhibit AWS D1.1 compliant fillet welds in terms of quality (acceptable to AWS D1.1 visual acceptance criteria) and all areas were found to exhibit the required structural steel.  Area 1 conformed with the Area 1 - Partial Plan View and all associated section details. Area 2 conformed with the Area 2 - Partial Plan View and all associated section details. Area 3 conformed with the Area 3 - Partial Plan View and all associated section details - however, the specified L2x2x3/16" angles were not required at existing bar joist web sections due to the L4x4x1/4" angles being within 4" of the adjacent panel point. Area 4 conformed with the Area 4 - Partial Plan View and all associated section details. Area 5 conformed with the Area 5 - Partial Plan View and all associated section details. Area 6 conformed with the Area 6 - Partial Plan View and all associated section details - however, the specified HSS5x2-1/2x1/8" members were not installed or required due to the metal decking already completely bearing on the existing / relevant beam. Area 7 conformed with the Area 7 - Partial Plan View and all associated section details - however, the specified L2x2x3/16" angles were not required at existing bar joist web sections due to the L4x4x1/4" angles being within 4" of the adjacent panel point.  In summation, all field-welded connections were accepted and all applicable details were followed. All high-strength bolted connections were also accepted for exhibiting the specified quantity of ASTM A325TC bolts, which were pretensioned via the utilization of a tension control shear wrench. See the attached "E4" sheet for the seven (7) areas inspected / accepted.  The passing results of today's inspection were shared with all on-site representatives prior to our representative's departure.	[CONTINUED]
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Field Representative:	Joseph Minnetto III	Date:	01-04-24
Reviewed By:	Frank A Morey Jr	Date:	9 JAN 2024

BILLING ITEM:

LOCATION: 50 Blauvelt Rd #1 Norwell, NY 10854

CONTRACT REF. DRWG: HS-S101 & HS-S501

UNITED IRON DETAILS:

SPECIFICATIONS:

MATERIAL TYPE: ASTM-992 U/n

WELDING ELECTRODE: E70XXCT

FINISH: --

HOLES: 13/16" U/n

SHOP HARDWARE:

FIELD HARDWARE:

TYPE

QTY

SIZE

LENGTH

DESCRIPTION

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

FOR APPROVAL

DATE

[area accepted]



[area accepted]

[area accepted; NOTE:  
1/2"x3/16" post web stiffener  
angles not installed as required  
due to proximity to panel point  
detail (<4").

[area accepted]

[area accepted]



[area accepted; NOTE:  
1/2"x3/16" post web stiffener  
angles not installed as required  
due to proximity to panel point detail  
(<4").

[area accepted; NOTE:  
the two(2) HSS 6"x12"x1/4"  
members were not installed  
as required due to metal deck  
already being tight to exist. beam

ROOF-PLAN VIEW  
SCALE: 3/8"=1'-0"

JOB NO.	BILL NO.	EXTRA NO.	DRWG NO.
2346	B 01	X	E4

ROOF REINFORCEMENTS

ARCH. ISO DESIGN - 215W 40th Street NY

UNITED IRON INC.

UNITED IRON INC.

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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                      By TED VALLEY, P.E.  
 Authorized by                      Date                       
 Type—Manual ☒ Semiautomatic ☐  
 Mechanized ☐ Automatic ☐

JOINT DESIGN USED  
 Type: FLUET WELD  
 Single ☐ Double Weld ☒  
 Backing: Yes ☐ No ☒  
 Backing Material:                       
 Root Opening                      Root Face Dimension                       
 Groove Angle: N/A Radius (J-U)                       
 Back Gouging: Yes ☐ No ☐ Method                     

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

BASE METALS  
 Material Spec. A5TM  
 Type or Grade A36, A572'62.50  
 Thickness: Groove                      Fillet 1/4"  
 Diameter (Pipe)                     

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

FILLER METALS  
 AWS Specification AWS A5.1  
 AWS Classification E7018  
E7018 OR BETTER

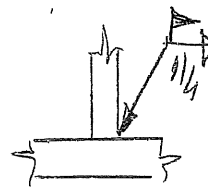
TECHNIQUE  
 Stringer or Weave Bead: STRINGER OR WEAVER  
 Multi-pass or Single Pass (per side) SINGLE  
 Number of Electrodes                       
 Electrode Spacing                      Longitudinal                       
 Lateral                       
 Angle                       
 Contact Tube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

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

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>	

Form N-1 (Front)

JOB Barr Middle School  
Roof reinforcements  
 LOCATION: 50 Blauvelt Rd#1 Nanuet, NY  
10954



American Welding Society®

# AWS CERTIFIED WELDER

## Welders, Brazers and Operators

**Andre Reid**

**Cert # 21128253W**

**1-800-443-9353 Ext. 273**

Information relating to identification and certification of the  
bearer of this card may be verified by calling or writing:

**Certification Department of the American Welding Society**  
8669 NW 36th St., #130, Miami, FL 33188

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](http://www.aws.org/certification)





[ typ detail AA/E7 ]





[ typ. detail A-A/E6 ]





[ similar, alt. view ]





[ Typ. detail E-E/E5 & A-A/E7 ]





[ typ. HRS5x2-1/2"x1/8" tubes installed ]





[Area 6: exist beam which didn't require originally-specified HSS 2-1/2 x 1/8" number]

