

Contract Routing Form

ROUTING: Routine

printed on: 04/03/2015

Contract between: Joe Daniels Construction Co Inc
 and Dept. or Division: Engineering Division
 Name/Phone Number:

Project: Yahara Hills Facility Improvements-Window Replacement

Contract No.: 7459
 Enactment No.: RES-15-00307
 Dollar Amount: 162,776.00

File No.: 37677
 Enactment Date: 04/01/2015

*Contract # 7459 entered
 in Munis KIS*

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	4-3-2015	4-3-2015
Director of Civil Rights	4.6.15	4/10/15 MWD.
Risk Manager	4-13-15	4/13/15 RR
Finance Director	4-13-15 KUS	4-14-15
City Attorney	4-14-15	4-15-15
Mayor	4-15-15	4-16-15

Please return signed Contracts to the City Clerk's Office
 Room 103, City-County Building for filing.

Original + 2 Copies

04/03/2015 13:50:13 enjap - Paul Stauffer - 266-4366

Dis Rights: OK / ~~N/A~~ / Problem - Hold
 Prev Wage: AA / Agency / No
 Contract Value: *see above*
 AA Plan: APPROVED: 3-1-16
 Amendment / Addendum # _____
 Type: POS / Dwp / Sbdv / Gov't /
 Grant / PW / Goal / Loan / Agrmt



CITY OF MADISON - WISCONSIN
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File #:	37677	Version: 1	Name:	Awarding Public Works Contract No. 7459, Yahara Hills Facility Improvements - Window Replacement.
Type:	Resolution	Status:	Passed	
File created:	3/12/2015	In control:	<u>BOARD OF PUBLIC WORKS</u>	
On agenda:	3/31/2015	Final action:	3/31/2015	
Enactment date:	4/1/2015	Enactment #:	RES-15-00301	
Title:	Awarding Public Works Contract No. 7459, Yahara Hills Facility Improvements - Window Replacement.			
Sponsors:	<u>BOARD OF PUBLIC WORKS</u>			
Attachments:	1. Contract 7459.pdf			

[History \(3\)](#) |
 [Text](#)

Fiscal Note

Budget authority is available in the Acct. Nos. listed on the attached.

Title

Awarding Public Works Contract No. 7459, Yahara Hills Facility Improvements - Window Replacement.

Body

BE IT RESOLVED, that the following low bids for miscellaneous improvements be accepted and that the Mayor and City Clerk be and are hereby authorized and directed to enter into a contract with the low bidders contained herein, subject to the Contractor's compliance with Section 39.02 of the Madison General Ordinances concerning compliance with the Affirmative Action provisions **and subject to the Contractor's compliance with Section 33.07 of the Madison General Ordinances regarding Best Value Contracting:**

BE IT FURTHER RESOLVED, that the funds be encumbered to cover the cost of the projects contained herein.

See attached document (Contract No. 7459) for itemization of bids.



PROJECT _____ CONTRACTOR _____ AMOUNT OF BID _____

CONTRACT NO. 7459
YAHARA HILLS FACILITY IMPROVEMENTS – WINDOW REPLACEMENT

JOE DANIELS CONSTRUCTION CO., INC.

\$162,776.00

Acct. No. 10714-51-140: 54210 (91079)	\$162,776.00
Contingency 8%±	<u>13,024.00</u>
 GRAND TOTAL	 <u>\$175,800.00</u>

**Wisconsin Office of the Commissioner of Insurance
Licensed Producer Search**

Thursday, March 26, 2015

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MCKENNA, PATRICK A
MADISON WI

License Status: Active
License No: 2349196
NPN No: 650765
Effective Date: 06-27-1996
Expiration Date: 04-30-2016
License Type: Resident Intermediary Indv

Lines of Authority

Line of Authority	Residency	Effective Date	Status
Property	Resident	06-27-1996	Active
Casualty	Resident	06-27-1996	Active

Appointments and Terminations

Company Name	Qualification Type/Status	Effective Date	Termination Date	Termination Reason
ACE American Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
ACE Fire Underwriters Insurance Company	CAS/Inactive	06-23-1999	10-01-2002	Inadequate Production
	PROP/Inactive	06-23-1999	10-01-2002	Inadequate Production
ACE Property and Casualty Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
ACUITY, A Mutual Insurance Company	CAS/Active	08-14-2007		
	CAS/Inactive	07-30-1996	08-07-2007	Canceled
	PROP/Active	08-14-2007		
Addison Insurance Company	PROP/Inactive	07-30-1996	08-07-2007	Canceled
	CAS/Inactive	09-19-2007	09-15-2014	Canceled
ALLIED Property and Casualty Insurance Company	PROP/Inactive	09-19-2007	09-15-2014	Canceled
	CAS/Inactive	07-14-2003	04-07-2010	Canceled
AMCO Insurance Company	PROP/Inactive	07-14-2003	04-07-2010	Canceled
	CAS/Inactive	07-14-2003	04-07-2010	Canceled
American and Foreign Insurance Company	PROP/Inactive	07-14-2003	04-07-2010	Canceled
	CAS/Inactive	10-04-2000	02-10-2005	Canceled
American Casualty	PROP/Inactive	10-04-2000	02-07-2005	Canceled
	CAS/Inactive	08-21-1996	01-05-2006	Canceled

Company of Reading, Pennsylvania	PROP/Inactive	08-21-1996	01-05-2006	Canceled
American Economy Insurance Company	CAS/Active	02-10-1998		
	PROP/Active	02-10-1998		
American Guarantee and Liability Insurance Company	CAS/Active	06-08-1999		
	PROP/Active	06-08-1999		
American Insurance Company, The	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
American Manufacturers Mutual Insurance Company	CAS/Inactive	08-20-1996	02-17-2005	Canceled
	PROP/Inactive	08-20-1996	02-17-2005	Canceled
American Motorists Insurance Company	CAS/Inactive	08-20-1996	02-17-2005	Canceled
	PROP/Inactive	08-20-1996	02-17-2005	Canceled
American Protection Insurance Company	CAS/Inactive	08-20-1996	02-02-2005	Canceled
	PROP/Inactive	08-20-1996	02-02-2005	Canceled
American States Insurance Company	CAS/Inactive	02-10-1998	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	02-10-1998	11-20-2009	Vol. Surrender per Agent Rqst
American Zurich Insurance Company	CAS/Active	06-08-1999		
	PROP/Active	06-08-1999		
Arrowood Indemnity Company	CAS/Inactive	10-04-2000	08-28-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	10-04-2000	08-28-2006	Vol. Surrender per Agent Rqst
Artisan and Truckers Casualty Company	CAS/Inactive	01-15-2008	06-30-2008	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-15-2008	06-30-2008	Vol. Surrender per Agent Rqst
Associated Indemnity Corporation	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
Assurance Company of America	CAS/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
Automobile Insurance Company of Hartford, Connecticut, The	CAS/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst

AXIS Insurance Company	CAS/Inactive	07-25-1996	01-06-2005	Inadequate Production
	PROP/Inactive	07-25-1996	01-06-2005	Inadequate Production
Bankers Standard Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
Berkley Regional Insurance Company	CAS/Inactive	04-22-2005	03-03-2014	Canceled
	PROP/Inactive	04-22-2005	03-03-2014	Canceled
BITCO General Insurance Corporation	CAS/Active	06-30-2005		
	PROP/Active	06-30-2005		
BITCO National Insurance Company	CAS/Active	06-30-2005		
	PROP/Active	06-30-2005		
Capitol Indemnity Corporation	CAS/Active	07-24-1996		
	PROP/Active	07-24-1996		
Charter Oak Fire Insurance Company, The	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
Chubb Indemnity Insurance Company	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
Chubb National Insurance Company	PROP/Inactive	09-10-1996	12-26-2006	Canceled
	CAS/Active	05-12-2008		
Cincinnati Casualty Company, The	PROP/Active	05-12-2008		
	CAS/Active	08-17-2007		
Cincinnati Indemnity Company, The	PROP/Active	08-17-2007		
	CAS/Active	08-17-2007		
Cincinnati Insurance Company, The	PROP/Active	08-17-2007		
	CAS/Active	08-17-2007		
Citizens Insurance Company of America	PROP/Active	08-17-2007		
	CAS/Inactive	12-18-1997	08-03-2005	Inadequate Production
Consolidated Insurance Company	PROP/Inactive	12-18-1997	08-03-2005	Inadequate Production
	CAS/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-24-2000	11-20-2009	Vol. Surrender per

				Agent Rqst
Continental Casualty Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Continental Insurance Company, The	CAS/Inactive	02-24-2006	09-15-2008	Canceled
	PROP/Inactive	02-24-2006	09-15-2008	Canceled
Continental Western Insurance Company	CAS/Inactive	08-12-2005	04-24-2009	Canceled
	PROP/Inactive	08-12-2005	04-24-2009	Canceled
Depositors Insurance Company	CAS/Inactive	07-14-2003	04-07-2010	Canceled
	PROP/Inactive	07-14-2003	04-07-2010	Canceled
Donegal Mutual Insurance Company	CAS/Inactive	11-09-2012	10-28-2014	Canceled
	PROP/Inactive	11-09-2012	10-28-2014	Canceled
Emcasco Insurance Company	CAS/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
Employers Insurance Company of Wausau	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
Employers Mutual Casualty Company	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
	CAS/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
Executive Risk Indemnity Inc.	CAS/Active	05-12-2008		
	CAS/Inactive	06-16-2000	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	06-16-2000	12-26-2006	Canceled
Fairmont Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Fairmont Premier Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Farmington Casualty Company	CAS/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst

Federal Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
Fidelity and Deposit Company of Maryland	CAS/Active	07-23-1996		
	PROP/Active	07-23-1996		
Fidelity and Guaranty Insurance Company	CAS/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
Fidelity and Guaranty Insurance Underwriters, Inc.	CAS/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
Fireman's Fund Insurance Company	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
Firemen's Insurance Company of Newark, New Jersey	CAS/Inactive	12-11-1996	01-22-1999	Inadequate Production
	PROP/Inactive	12-11-1996	01-22-1999	Inadequate Production
First Liberty Insurance Corporation, The	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
First National Insurance Company of America	CAS/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
General Casualty Company of Wisconsin	CAS/Active	08-16-2007		
	PROP/Active	08-16-2007		
General Insurance Company of America	CAS/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
Globe Indemnity Company	CAS/Inactive	10-04-2000	02-07-2005	Canceled
	PROP/Inactive	10-04-2000	02-07-2005	Canceled
Great American Alliance Insurance Company	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great American Assurance Company	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production

Great American Insurance Company	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great American Insurance Company of New York	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great Northern Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
	CAS/Active	07-28-1998		
Guarantee Company of North America USA, The	CAS/Active	07-28-1998		
Gulf Insurance Company	CAS/Inactive	09-10-1996	06-30-2005	Inadequate Production
	PROP/Inactive	09-10-1996	06-30-2005	Inadequate Production
Hamilton Insurance Company	CAS/Inactive	09-09-1998	12-05-2007	Canceled
	PROP/Inactive	09-09-1998	12-05-2007	Canceled
Hanover Insurance Company, The	CAS/Inactive	12-18-1997	08-03-2005	Inadequate Production
	PROP/Inactive	12-18-1997	08-03-2005	Inadequate Production
Hartford Casualty Insurance Company	CAS/Inactive	04-26-2000	10-26-2009	Canceled
	PROP/Inactive	04-26-2000	10-26-2009	Canceled
Hartford Fire Insurance Company	CAS/Inactive	04-26-2000	10-26-2009	Canceled
	PROP/Inactive	04-26-2000	10-26-2009	Canceled
Hartford Insurance Company of the Midwest	CAS/Inactive	04-26-2000	10-31-2008	Canceled
	PROP/Inactive	04-26-2000	10-31-2008	Canceled
Hartford Steam Boiler Inspection and Insurance Company, The	CAS/Inactive	05-12-1999	10-30-2008	Canceled
	PROP/Inactive	05-12-1999	10-21-2008	Canceled
Hartford Underwriters Insurance Company	CAS/Inactive	04-26-2000	10-31-2008	Canceled
	PROP/Inactive	04-26-2000	10-31-2008	Canceled
Hawkeye-Security Insurance Company	CAS/Inactive	01-14-2003	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2003	11-20-2009	Vol. Surrender per Agent Rqst
HDI-Gerling America Insurance Company	CAS/Active	09-08-2005		
	PROP/Active	09-08-2005		
HIH America Compensation & Liability Insurance	CAS/Inactive	04-08-1999	05-11-2001	Company Defunct or Liquidation
	PROP/Inactive	04-08-1999	05-11-2001	Company Defunct or

Company				Liquidation
Indemnity Insurance Company of North America	CAS/Inactive	06-23-1999	10-01-2002	Inadequate Production
	PROP/Inactive	06-23-1999	10-01-2002	Inadequate Production
Indiana Insurance Company	CAS/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst
Insurance Company of North America	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
Liberty Mutual Fire Insurance Company	CAS/Inactive	03-13-2006	12-06-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-13-2006	12-06-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
Liberty Mutual Insurance Company	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
LM Insurance Corporation	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
Lumbermens Mutual Casualty Company	CAS/Inactive	08-20-1996	02-17-2005	Canceled
	PROP/Inactive	08-20-1996	02-17-2005	Canceled
Maryland Casualty Company	CAS/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
Massachusetts Bay Insurance Company	CAS/Inactive	12-18-1997	08-03-2005	Inadequate Production
	PROP/Inactive	12-18-1997	08-03-2005	Inadequate Production
Merchants Bonding Company (Mutual)	CAS/Active	08-20-2007		
	CAS/Inactive	07-19-1996	09-27-2005	Canceled
Merchants National Bonding, Inc.	CAS/Active	02-06-2013		
MetLife Insurance Company of Connecticut	CAS/Inactive	09-04-1996	04-21-2003	Inadequate Production
Middlesex Mutual	CAS/Inactive	03-08-2006	01-17-2011	Vol. Surrender per

Assurance Company				Agent Rqst
	PROP/Inactive	03-08-2006	01-17-2011	Vol. Surrender per Agent Rqst
Midwest Family Mutual Insurance Company	CAS/Active	03-11-2014		
	PROP/Active	03-11-2014		
National Fire Insurance Company of Hartford	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
National Surety Corporation	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
Nationwide Affinity Insurance Company of America	CAS/Inactive	04-11-2005	04-07-2010	Canceled
	PROP/Inactive	04-11-2005	04-07-2010	Canceled
Nationwide Mutual Insurance Company	CAS/Inactive	07-14-2003	04-07-2010	Canceled
	PROP/Inactive	07-14-2003	04-07-2010	Canceled
Navigators Insurance Company	CAS/Inactive	02-19-2004	04-30-2008	Canceled
	PROP/Inactive	02-19-2004	04-30-2008	Canceled
Netherlands Insurance Company, The	CAS/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
North American Specialty Insurance Company	CAS/Active	09-18-2000		
	PROP/Active	09-18-2000		
North River Insurance Company, The	CAS/Inactive	12-23-1996	12-17-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	12-23-1996	12-17-2009	Vol. Surrender per Agent Rqst
Northern Insurance Company of New York	CAS/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
Northwestern National Casualty Company	CAS/Inactive	04-14-1999	02-28-2001	Vol. Surrender per Agent Rqst
	PROP/Inactive	04-14-1999	02-28-2001	Vol. Surrender per Agent Rqst
Old Republic Insurance Company	CAS/Active	08-07-2007		
	CAS/Inactive	08-02-1996	04-20-2005	Canceled
	PROP/Inactive	08-02-1996	04-20-2005	Canceled
Old Republic Surety Company	CAS/Active	08-07-2007		
	CAS/Inactive	08-02-1996	04-20-2005	Canceled

	PROP/Inactive	08-02-1996	04-20-2005	Canceled
Pacific Employers Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
Pacific Indemnity Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
Peerless Indemnity Insurance Company	PROP/Inactive	09-10-1996	12-26-2006	Canceled
	CAS/Inactive	06-21-2004	11-20-2009	Vol. Surrender per Agent Rqst
Peerless Insurance Company	PROP/Inactive	06-21-2004	11-20-2009	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
Peerless Insurance Company	PROP/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
	CAS/Active	09-26-2007		
Phoenix Insurance Company, The	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Pioneer Specialty Insurance Company	CAS/Active	08-01-2013		
	PROP/Active	08-01-2013		
Platte River Insurance Company	CAS/Active	07-12-2005		
	PROP/Active	07-12-2005		
Progressive Classic Insurance Company	CAS/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
Progressive Northern Insurance Company	CAS/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
Property and Casualty Insurance Company of Hartford	CAS/Inactive	07-05-2005	10-31-2008	Canceled
	PROP/Inactive	07-05-2005	10-31-2008	Canceled
Regent Insurance Company	CAS/Active	08-16-2007		
	PROP/Active	08-16-2007		

Royal Insurance Company of America	CAS/Inactive	10-04-2000	02-08-2005	Canceled
	PROP/Inactive	10-04-2000	02-07-2005	Canceled
SAFECO Insurance Company of America	CAS/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
SAFECO Insurance Company of Illinois	CAS/Inactive	09-27-2008	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-27-2008	11-20-2009	Vol. Surrender per Agent Rqst
Safeguard Insurance Company	CAS/Inactive	10-04-2000	02-10-2005	Canceled
	PROP/Inactive	10-04-2000	02-10-2005	Canceled
Seaboard Surety Company	CAS/Inactive	08-09-1996	12-05-2005	Inadequate Production
	PROP/Inactive	08-09-1996	12-05-2005	Inadequate Production
Security Insurance Company of Hartford	CAS/Inactive	03-11-2005	08-28-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-11-2005	08-28-2006	Vol. Surrender per Agent Rqst
Sheboygan Falls Insurance Company	CAS/Inactive	11-09-2012	10-28-2014	Canceled
	PROP/Inactive	11-09-2012	10-28-2014	Canceled
SOCIETY INSURANCE, a mutual company	CAS/Active	01-15-2010		
	CAS/Inactive	07-08-2005	11-14-2007	Canceled
	PROP/Active	01-15-2010		
	PROP/Inactive	07-08-2005	11-14-2007	Canceled
St. Paul Fire and Casualty Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Fire and Marine Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Guardian Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Mercury Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Protective Insurance Company	CAS/Inactive	11-04-1998	04-21-2003	Vol. Surrender per Agent Rqst

	PROP/Inactive	11-04-1998	04-21-2003	Vol. Surrender per Agent Rqst
Statewide Insurance Company	CAS/Inactive	07-18-1996	04-08-2002	Canceled
	PROP/Inactive	07-18-1996	04-08-2002	Canceled
Stillwater Property and Casualty Insurance Company	CAS/Inactive	01-12-1999	02-21-2000	Inadequate Production
	PROP/Inactive	01-12-1999	02-21-2000	Inadequate Production
TIG Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
TIG Insurance Company of Texas	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
TIG Insurance Corporation of America	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Torus National Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Transcontinental Insurance Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Transportation Insurance Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Travelers Casualty and Surety Company	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-19-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
Travelers Casualty and Surety Company of America	PROP/Inactive	07-19-1996	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Active	02-04-2008		
	CAS/Inactive	07-19-1996	11-09-2007	Canceled
	PROP/Active	02-04-2008		
Travelers Casualty Company of	PROP/Inactive	07-19-1996	11-09-2007	Canceled
	CAS/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst

Connecticut	PROP/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst
Travelers Casualty Insurance Company of America	CAS/Active	09-26-2007		
	CAS/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
Travelers Commercial Insurance Company	PROP/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Constitution State Insurance Company	PROP/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	11-24-1998	12-11-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-24-1998	12-11-2003	Vol. Surrender per Agent Rqst
Travelers Home and Marine Insurance Company, The	CAS/Inactive	11-29-2005	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-29-2005	12-29-2006	Vol. Surrender per Agent Rqst
Travelers Indemnity Company of America, The	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
Travelers Indemnity Company of Connecticut, The	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
Travelers Indemnity	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Active	09-26-2007		

Company, The	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Property Casualty Company of America	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
Travelers Property Casualty Insurance Company	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-22-2005	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-22-2005	11-28-2005	Vol. Surrender per Agent Rqst
Trumbull Insurance Company	CAS/Inactive	07-05-2005	10-31-2008	Canceled
	PROP/Inactive	07-05-2005	10-31-2008	Canceled
Twin City Fire Insurance Company	CAS/Inactive	04-26-2000	10-26-2009	Canceled
	PROP/Inactive	04-26-2000	10-26-2009	Canceled
United Fire & Casualty Company	CAS/Active	07-26-1996		
	PROP/Active	07-26-1996		
United Pacific Insurance Company	CAS/Inactive	08-27-1996	02-13-2001	Company Merger
	PROP/Inactive	08-27-1996	02-13-2001	Company Merger
United States Fidelity and Guaranty Company	CAS/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
United States Fire Insurance Company	CAS/Inactive	12-23-1996	03-08-2004	Canceled
	PROP/Inactive	12-23-1996	03-08-2004	Canceled
United Wisconsin Insurance Company	CAS/Active	03-14-2003		
USF&G Insurance Company of Wisconsin	CAS/Inactive	08-02-1996	01-01-2001	Company Merger
	PROP/Inactive	08-02-1996	01-01-2001	Company Merger

Valley Forge Insurance Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Venture Insurance Company	CAS/Inactive	07-08-2005	01-04-2006	Canceled
	PROP/Inactive	07-08-2005	01-04-2006	Canceled
Vigilant Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
Virginia Surety Company, Inc.	PROP/Inactive	09-10-1996	12-26-2006	Canceled
	CAS/Inactive	01-28-1997	11-30-1998	Vol. Surrender per Agent Rqst
Washington International Insurance Company	PROP/Inactive	01-28-1997	11-30-1998	Vol. Surrender per Agent Rqst
	CAS/Active	09-07-2001		
Wausau Business Insurance Company	PROP/Active	09-07-2001		
	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
Wausau General Insurance Company	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
Wausau Underwriters Insurance Company	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
West Bend Mutual Insurance Company	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
	CAS/Active	03-13-2008		
	CAS/Inactive	07-08-2005	10-17-2007	Canceled
Western National Mutual Insurance Company	PROP/Active	03-13-2008		
	PROP/Inactive	07-08-2005	10-17-2007	Canceled
Western Surety Company	CAS/Active	08-01-2013		
	PROP/Active	08-01-2013		

Zurich American Insurance Company	CAS/Active PROP/Active	06-08-1999 06-08-1999
Zurich American Insurance Company of Illinois	CAS/Active PROP/Active	06-08-1999 06-08-1999

DISCLAIMER: The Office of the Commissioner of Insurance does not endorse any specific agent or insurance agency. You are encouraged to contact the Agent Licensing Section at if you have any concerns with any of the agents or agencies listed.

\$162,776.00
ORIGINAL

BID OF JOE DANIELS CONSTRUCTION CO., INC.

2015

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT

CONTRACT NO. 7459

PROJECT NO. 53W1772

MUNIS NO. 10714

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON MARCH 31, 2015

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO. 7459**

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This Proposal, and Agreement have
been prepared by:

**CITY ENGINEERING DIVISION
CITY OF MADISON
MADISON, DANE COUNTY, WISCONSIN**



Robert F. Phillips, P.E., City Engineer

RFP: ps

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO.:	7459
SBE GOAL	8%
BID BOND	5%
PRE BID WALKTHRU (1:00 PM)	FEBRUARY 4, 2015
PRE BID MEETING (1:00 P.M.)	FEBRUARY 13, 2015
PREQUALIFICATION APPLICATION DUE (1:00 P.M)	FEBRUARY 13, 2015
BID SUBMISSION (1:00 P.M.)	FEBRUARY 20, 2015
BID OPEN (1:30 P.M.)	FEBRUARY 20, 2015
PUBLISHED IN WSJ	1/16/15, 1/23/15, 1/30/15, 2/6/15 & 2/13/15

PRE-BID WALK THROUGH MEETING: A single pre-bid conference will be conducted for the purposes of a pre-bid walk through and all bidding contractors are encouraged to attend.

1. The meeting will be held on Wednesday, February 4th, 2015 and the agenda will begin at 1:00pm.
2. This on site meeting will take place in the Clubhouse at Yahara Hills Golf Course located at 6701 Hwy 12 & 18.
3. A representative from KONTEXT Architects and City Staff will be on hand to conduct the building walk through, discuss the plans, specifications and expectations of the contract.
4. Questions, clarifications will be answered per addendum.

PRE BID MEETING: Representatives of the Affirmative Action Department will be present to discuss the Small Business Enterprise requirements at 1600 Emil Street, Madison Wisconsin.

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/business/pw/forms.cfm. If not currently prequalified in the categories listed in Section A, an amendment to your Prequalification will need to be submitted prior to the same due date. Postmark is not applicable.

BIDS TO BE SUBMITTED by hand to 1600 EMIL ST., MADISON, WI 53713 or online at www.bidexpress.com.

THE BID OPENING is at 1600 EMIL ST., MADISON, WI 53713.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2014 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, www.cityofmadison.com/Business/PW/specs.cfm.

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102, "BIDDING REQUIREMENTS AND

CONDITIONS" and Article 103, "AWARD AND EXECUTION OF THE CONTRACT." For the convenience of the bidder, below are highlights of three subsections of the specifications.

SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a)l. of the General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms.

The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

SECTION 102.4 PROPOSAL

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of which such corporation was chartered. The required signatures shall in all cases appear in the space provided thereof on the proposal.

Each proposal shall be placed, together with the proposal guaranty, in a sealed envelope, so marked as to indicate name of project, the contract number or option to which it applies, and the name and address of the Contractor or submitted electronically through Bid Express (www.bidexpress.com). Proposals will be accepted at the location, the time and the date designated in the advertisement. Proposals received after the time and date designated will be returned to the bidder unopened.

The Bidder shall execute the Disclosure of Ownership form. REFER TO SECTION F.

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer. Bid deposit of the

successful bidders shall be returned within forty-eight (48) hours following execution of the contract and bond as required.

PREVAILING WAGE RATES

Prevailing Wage Rates may be required and are attached in Section J of the contract. See Special Provisions to determine applicability.

Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an

Building Demolition

- 101 Asbestos Removal
 120 House Mover

- 110 Building Demolition

Street, Utility and Site Construction

- 201 Asphalt Paving
 205 Blasting
 210 Boring/Pipe Jacking
 215 Concrete Paving
 220 Con. Sidewalk/Curb & Gutter/Misc. Flat Work
 221 Concrete Bases and Other Concrete Work
 222 Concrete Removal
 225 Dredging
 230 Fencing
 235 Fiber Optic Cable/Conduit Installation
 240 Grading and Earthwork
 241 Horizontal Saw Cutting of Sidewalk
 242 Infrared Seamless Patching
 245 Landscaping, Maintenance
 250 Landscaping, Site and Street
 251 Parking Ramp Maintenance
 252 Pavement Marking
 255 Pavement Sealcoating and Crack Sealing
 260 Petroleum Above/Below Ground Storage Tank Removal/Installation
 262 Playground Installer
 265 Retaining Walls, Precast Modular Units

- 270 Retaining Walls, Reinforced Concrete
 275 Sanitary, Storm Sewer and Water Main Construction
 276 Sawcutting
 280 Sewer Lateral Drain Cleaning/Internal TV Insp.
 285 Sewer Lining
 290 Sewer Pipe Bursting
 295 Soil Borings
 300 Soil Nailing
 305 Storm & Sanitary Sewer Laterals & Water Svc.
 310 Street Construction
 315 Street Lighting
 318 Tennis Court Resurfacing
 320 Traffic Signals
 325 Traffic Signing & Marking
 332 Tree pruning/removal
 333 Tree, pesticide treatment of
 335 Trucking
 340 Utility Transmission Lines including Natural Gas, Electrical & Communications
 399 Other _____

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

- 401 Floor Covering (including carpet, ceramic tile installation, rubber, VCT)
 402 Building Automation Systems
 403 Concrete
 404 Doors and Windows
 405 Electrical - Power, Lighting & Communications
 410 Elevator - Lifts
 412 Fire Suppression
 413 Furnishings - Furniture and Window Treatments
 415 General Building Construction, Equal or Less than \$250,000
 420 General Building Construction, \$250,000 to \$1,500,000
 425 General Building Construction, Over \$1,500,000
 428 Glass and/or Glazing
 429 Hazardous Material Removal
 430 Heating, Ventilating and Air Conditioning (HVAC)
 433 Insulation - Thermal
 435 Masonry/Tuck pointing

- 437 Metals
 440 Painting and Wallcovering
 445 Plumbing
 450 Pump Repair
 455 Pump Systems
 460 Roofing and Moisture Protection
 464 Tower Crane Operator
 461 Solar Photovoltaic/Hot Water Systems
 465 Soil/Groundwater Remediation
 466 Warning Sirens
 470 Water Supply Elevated Tanks
 475 Water Supply Wells
 480 Wood, Plastics & Composites - Structural & Architectural
 499 Other _____

State of Wisconsin Certifications

- 1 Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.
 2 Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.
 3 Class 7 Blaster - Blasting Operations and Activities for structures greater than 15' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".
 4 Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)
 5 Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: www.dhs.wisconsin.gov/Asbestos/Cert. State of Wisconsin Performance of Asbestos Abatement Certificate must be attached.
 6 Certification number as a Certified Arborist or Certified Tree Worker as administered by the International Society of Arboriculture
 7 Pesticide application (Certification for Commercial Applicator For Hire with the certification in the category of turf and landscape (3.0) and possess a current license issued by the DATCP)
 8 State of Wisconsin Master Plumbers License.

SECTION B: PROPOSAL

Please refer to the
Bid Express Website
at <https://bidexpress.com>
look up contract number
and go to
Section B: Proposal Page

You can access all City of Madison bid solicitations for FREE at www.bidexpress.com

Click on the "Register for Free" button and follow the instructions to register your company and yourself. You will be asked for a payment subscription preference, since you may wish to bid online someday. Simply choose the method to pay on a 'per bid' basis. This requires no payment until / unless you actually bid online. You can also choose the monthly subscription plan at this time. You will, however, be asked to provide payment information. Remember, you can change your preference at anytime. You will then be able to complete your free registration and have full access to the site. Your free access does not require completion of the 'Digital ID' process, so you will have instant access for viewing and downloading. To be prepared in case you ever do wish to bid online, you may wish to establish your digital ID also, since you cannot bid without a Digital ID.

If you have any problems with the free registration process, you can call the bidexpress help team, toll free at 1-888-352-2439 (option 1, option1).

SECTION C: SMALL BUSINESS ENTERPRISE

Instructions to Bidders City of Madison SBE Program Information

2 Small Business Enterprise (SBE) Program Information

2.1 Policy and Goal

The City of Madison reaffirms its policy of nondiscrimination in the conduct of City business by maintaining a procurement process which remains open to all who have the potential and ability to sell goods and services to the City. It is the policy of the City of Madison to allow Small Business Enterprises (SBE) maximum feasible opportunity to participate in City of Madison contracting. The bidder acknowledges that its bid has been submitted in accordance with the SBE program and is for the public's protection and welfare.

Please refer to the "ADVERTISEMENT FOR BIDS" for the goal for the utilization of SBEs on this project. SBEs may participate as subcontractors, vendors and/or suppliers, which provide a commercially useful function. The dollar value for SBE suppliers or 'materials only' vendors shall be discounted to 60% for purposes of meeting SBE goals.

A bidder which achieves or exceeds the SBE goal will be in compliance with the SBE requirements of this project. In the event that the bidder is unable to achieve the SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Failure to either achieve the goal or demonstrate a good faith effort to do so will be grounds for the bidder being deemed a non-responsible contractor ineligible for award of this contract.

A bidder may count towards its attainment of the SBE goal only those expenditures to SBEs that perform a commercially useful function. For purposes of evaluating a bidder's responsiveness to the attainment of the SBE goal, the contract participation by an SBE is based on the percentage of the total base bid proposed by the Contractor. The total base bid price is inclusive of all addenda.

Work performed by an SBE firm in a particular transaction can be counted toward the goal only if it involves a commercially useful function. That is, in light of industry practices and other relevant considerations, does the SBE firm have a necessary and useful role in the transaction, of a kind for which there is a market outside the context of the SBE Program, or is the firm's role a superfluous step added in an attempt to obtain credit towards goals? If, in the judgment of the Affirmative Action Division, the SBE firm will not perform a commercially useful function in the transaction, no credit towards goals will be awarded.

The question of whether a firm is performing a commercially useful function is completely separate from the question of whether the firm is an eligible SBE. A firm is eligible if it meets the definitional criteria and ownership and control requirements, as set forth in the City of Madison's SBE Program.

If the City of Madison determines that the SBE firm is performing a commercially useful function, then the City of Madison must then decide what that function is. If the commercially useful function is that of an SBE vendor / supplier that regularly transacts business with the respective product, then the City of Madison will count 60% of the value of the product supplied toward SBE goals.

To be counted, the SBE vendor / supplier must be engaged in selling the product in question to the public. This is important in distinguishing an SBE vendor / supplier, which has a regular trade with a variety of customers, from a firm which performs supplier-like functions on an ad hoc basis or for only one or two contractors with whom it has a special relationship.

A supplier of bulk goods may qualify as an eligible SBE vendor / supplier if it either maintains an inventory or owns or operates distribution equipment. With respect to the distribution equipment; e.g., a fleet of trucks, the term "operates" is intended to cover a situation in which the supplier leases the equipment on a regular basis for its entire business. It is not intended to cover a situation in which the firm simply provides drivers for trucks owned or leased by another party; e.g., a prime contractor, or leases such a party's trucks on an ad hoc basis for a specific job.

If the commercially useful function being performed is not that of a qualified SBE vendor / supplier, but rather that of delivery of products, obtaining bonding or insurance, procurement of personnel, acting as a broker or manufacturer's representative in the procurement of supplies, facilities, or materials, etc., only the fees or commissions will apply towards the goal.

For example, a business that simply transfers title of a product from manufacturer to ultimate purchaser; e. g., a sales representative who re-invoices a steel product from the steel company to the Contractor, or a firm that puts a product into a container for delivery would not be considered a qualified SBE vendor / supplier. The Contractor would not receive credit based on a percentage of the cost of the product for working with such firms.

Concerning the use of services that help the Contractor obtain needed supplies, personnel, materials or equipment to perform a contract: only the fee received by the service provider will be counted toward the goal. For example, use of a SBE sales representative or distributor for a steel company, if performing a commercially useful function at all, would entitle the Contractor receiving the steel to count only the fee paid to the representative or distributor toward the goal. This provision would also govern fees for professional and other services obtained expressly and solely to perform work relating to a specific contract.

Concerning transportation or delivery services: if an SBE trucking company picks up a product from a manufacturer or a qualified vendor / supplier and delivers the product to the Contractor, the commercially useful function it is performing is not that of a supplier, but simply that of a transporter of goods. Unless the trucking company is itself the manufacturer or a qualified vendor / supplier in the product, credit cannot be given based on a percentage of the cost of the product. Rather, credit would be allowed for the cost of the transportation service.

The City is aware that the rule's language does not explicitly mention every kind of business that may contribute work on this project. In administering these programs, the City would, on a case-by-case basis, determine the appropriate counting formula to apply in a particular situation.

2.2 Contract Compliance

Questions concerning the SBE Program shall be directed to the Contract Compliance Officer of the City of Madison Department of Civil Rights, Affirmative Action Division, 210 Martin Luther King, Jr. Blvd., Room 523, Madison, WI 53703; telephone (608) 266-4910.

2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at www.cityofmadison.com/dcr/aaTBDir.cfm.

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at www.cityofmadison.com/dcr/aaTBDir.cfm. Submittal of the Targeted Business Certification Application by the time specified does not guarantee that the applicant will be certified as a SBE eligible to be utilized towards meeting the SBE goal for this project.

2.4 Small Business Enterprise Compliance Report

2.4.1 Good Faith Efforts

Bidders shall take all necessary affirmative steps to assure that SBEs are utilized when possible and that the established SBE goal for this project is achieved. A contractor who self performs a portion of the work, and is pre-qualified to perform that category of work, may subcontract that portion of the work, but shall not be required to do so. When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Such a good faith effort should include the following:

- 2.4.1.1 Attendance at the pre-bid meeting.
- 2.4.1.2 Using the City of Madison's directory of certified SBEs to identify SBEs from which to solicit bids.
- 2.4.1.3 Assuring that SBEs are solicited whenever they are potential sources.
- 2.4.1.4 Referring prospective SBEs to the City of Madison Affirmative Action Division for certification.
- 2.4.1.5 Dividing total project requirements into smaller tasks and/or quantities, where economically feasible, to permit maximum feasible SBE participation.
- 2.4.1.6 Establishing delivery schedules, where requirements permit, which will encourage participation by SBEs.
- 2.4.1.7 Providing SBEs with specific information regarding the work to be performed.
- 2.4.1.8 Contacting SBEs in advance of the deadline to allow such businesses sufficient time to prepare a bid.
- 2.4.1.9 Utilizing the bid of a qualified and competent SBE when the bid of such a business is deemed reasonable (i.e. 5% above the lowest bidder), although not necessarily low.
- 2.4.1.10 Contacting SBEs which submit a bid, to inquire about the details of the bid and confirm that the scope of the work was interpreted as intended.

2.4.2 Reporting SBE Utilization and Good Faith Efforts

The Small Business Enterprise Compliance Report is to be submitted by the bidder with the bid. This report is due by the specified bid closing time and date. Bids submitted without a completed SBE Compliance Report as outlined below

shall be deemed non-responsible and the bidder ineligible for award of this contract.

2.4.2.1 If the Bidder meets or exceeds the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.1.1 **Cover Page**, Page C-6; and

2.4.2.1.2 **Summary Sheet**, C-7.

2.4.2.2 If the bidder does not meet the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.2.1 **Cover Page**, Page C-6;

2.4.2.2.2 **Summary Sheet**, C-7; and

2.4.2.2.3 **SBE Contact Report**, C-8 and C-9. (A separate Contact Report must be completed for each applicable SBE which is not utilized.)

2.5 Appeal Procedure

A bidder which does not achieve the established goal and is deemed non-responsible for failure to demonstrate a good faith effort to achieve such goal and subsequently denied eligibility for award of contract may, within 72 hours of receiving such notification, appeal that decision to a special appeals committee composed of three (3) members of the Affirmative Action Commission, three (3) members of the Board of Public Works and a seventh member appointed by the Mayor. All appeals must be made in writing to the City Engineer and received within 72 hours of City of Madison's notice. Postmark not applicable.

2.6 SBE Requirements After Award of the Contract

The successful bidder shall identify SBE subcontractors, suppliers and vendors on the subcontractor list in accordance with the specifications. The Contractor shall submit a detailed explanation of any variances between the listing of SBE subcontractors, vendors and/or suppliers on the subcontractor list and the Contractor's SBE Compliance Report for SBE participation.

No change in SBE subcontractors, vendors and/or suppliers from those SBEs indicated in the SBE Compliance Report will be allowed without prior approval from the Engineer and the Affirmative Action Division. The contractor shall submit in writing to the City of Madison Affirmative Action Division a request to change any SBE citing specific reasons which necessitate such a change. The Affirmative Action Division will use a general test of reasonableness in approving or rejecting the contractor's request for change. If the request is approved, the Contractor will make every effort to utilize another SBE if available.

The City will monitor the project to ensure that the actual percentage commitment to SBE firms is carried out.

2.7 SBE Definition and Eligibility Guidelines

A Small Business Enterprise is a business concern awarded certification by the City of Madison. For the purposes of this program a Small Business Enterprise is defined as:

- A. An independent business operated under a single management. The business may not be a subsidiary of any other business and the stock or ownership may not be held by any individual or any business operating in the same or a similar field. In determining whether an entity qualifies as a SBE, the City shall consider all factors relevant to being an independent business including, but not limited to, the date the business was established, adequacy of its resources for the work in which it proposes to involve itself, the degree to which financial, equipment leasing and other relationships exist with other ineligible firms in the same or similar lines of work. SBE owner(s) shall enjoy the customary incidents of ownership and shall share in the risks and profits commensurate with their enjoyment interests, as demonstrated by an examination of the substance rather than form or arrangements that may be reflected in its ownership documents.
- B. A business that has averaged no more than \$4.0 million in annual gross receipts over the prior three year period and the principal owner(s) do not have a personal net worth in excess of \$1.32 million.

Firm and/or individuals that submit fraudulent documents/testimony may be barred from doing business with the City and/or forfeit existing contracts.

SBE certification is valid for one (1) year unless revoked.

SECTION D: SPECIAL PROVISIONS

YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT CONTRACT NO. 7459

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

SECTION 102.10: PREVAILING WAGE

For this project, payment of prevailing wages (white sheet) shall be required unless the box indicating prevailing wages are not required is checked below.

Prevailing wages shall not be required when this box is checked.

If prevailing wages (white sheets) are required, the wages and benefits paid on the contract shall not be less than those specified in the Prevailing Wage Determination included with these contract documents for the following types of work:

- Building or Heavy Construction
- Sewer, Water, or Tunnel Construction
- Local Street or Miscellaneous Paving Construction
- Residential or Agricultural Construction

When multiple boxes are checked, worker's wages may vary according to the type and area of work performed. It is the responsibility of the Contractor to determine and apply the appropriate wage rate for the specific work assigned.

SECTION 102.12: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$55,500 for a single trade contract; or equal to or greater than \$271,500 for a multi-trade contract pursuant to MGO 33.07(7).

SECTION 109.2 PROSECUTION OF THE WORK

Work shall begin only after the contract is completely executed. The Contractor shall begin work within seven (7) days after receiving the start work letter. It is anticipated that the start work letter shall be issued on or about April 30th, 2015, after this time the contractor shall order all necessary materials with substantial lead times to ensure that all necessary materials are on site to begin construction work on **November 16th, 2015.**

SECTION 109.7 TIME OF COMPLETION

Contract Closeout: The point in the contract where all contractual requirements associated with the City of Madison, Board of Public Works contract has been successfully met.

Construction Closeout: The point in the contract where all contractual requirements associated the execution of the work as described in the plans, specifications, and other documents have been successfully met.

The golf and winter sports seasons for the Yahara Hills Clubhouse allows for the construction work to begin on **November 16th, 2015** and to be completed on or before **January 15th, 2016**.

Construction Closeout shall occur on or before **January 15th, 2016**.

Contract Closeout shall occur on or before **February 26th 2016**.

Bidding Documents

January 14, 2015

Yahara Hills Facility Improvements Window Replacement

6701 Highway 12
Madison, WI 53718

CONTRACT NO. 7459



Owner:

City of Madison

210 Martin Luther King Junior Blvd.
Madison, WI 53703

Architect:



KONTEXT

architects

building relationships

116 East Dayton Street
Madison, WI 53703
608.825.0094 – 608.251.7515

**YAHARA HILLS
FACILITY IMPROVEMENTS
WINDOW REPLACEMENT
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PART 1 – GENERAL

1.1. SCOPE

A. Summary of Work:

Project includes replacement of existing single-pane glazing with new insulated glazing units, replacement of existing doors, removal of existing wood window units and replacement with solid panels and frame wall with the addition of electrical receptacles, installation of a new vestibule at the clubhouse at Yahara Hills Golf Course.

1 **1.2. PRE-BID INFORMATION**

- 2 A. There will be a pre-bid tour of the existing building on **WEDNESDAY, FEBRUARY4th, 2015 at 1:00 PM** to provide bidders the
3 opportunity to acquaint themselves with the project. A representative from the designer's office will be present to take
4 questions that will be answered by addendum. Alternate site visits may be arranged with the owner Project Manager.

5 **1.3. CONTACTS**

- 6 A. Send all pre-bid inquiries to the owner's project management
7 B. The owner's designee for project management:
8 1. Paul Stauffer
9 2. Company: City of Madison
10 3. Address: Room 115, 210 Martin Luther King Jr. Blvd.
11 4. Phone: 608-266-4366
12 5. Email: pstauffer@cityofmadison.com
13 C. The owner's designee for architecture and engineering is:
14 1. Amy Hasselman Architect
15 2. Company: KONTEXT Architects
16 3. Address: 116 E Dayton St., Madison WI 53703
17 4. Phone: 608-825-0094 Ext. 33
18 5. Email: amy@KONTEXTarchitects.com
19

20 **1.4. QUALIFICATIONS OF BIDDER**

- 21 A. By submitting the bid, the bidder and each subcontractor certifies as to meeting the following requirements:
22 1. Has completed one projects of at least 50% of the size or value of the division of work being bid and the type of work
23 completed is similar to that being bid. Additional requirements will be described in the appropriate technical section of
24 these specifications.
25 2. Has access to all necessary equipment and has organizational capacity and technical competence necessary to do the
26 work properly and expeditiously.
27 3. Maintains a permanent place of business.
28

29 **1.5. WORK BY THE OWNER AND OWNER FURNISHED EQUIPMENT**

- 30 A. Any asbestos removal shall be performed by owner under a separate contract. There is no anticipated asbestos removal
31 anticipated for this project, however, existing building materials that may have hazardous content and are located within
32 the work area (example: floor tile, ceiling tile, pipe insulation) shall be sampled, tested, and removed by the City. If any sus-
33 pect hazardous building materials are found by the contractor during demolition or renovation work that have not been
34 sampled and tested, work must stop and a certified hazardous material inspector must be contacted by the City to assess
35 the situation. Inaccessible areas may exist within the facility.
36 B. The following work will be accomplished by the owner or will be let under separate contracts and will not be included under
37 this Contract. The contractor shall coordinate his work with the work provided :
38 **During the course of this contract, the Yahara Clubhouse shall be undergoing an HVAC upgrade under a different contract**
39 **where the mechanical and electrical systems shall be upgraded. The contractor for this HVAC upgrade work shall provide**
40 **an electrical panel to tie in the new electrical circuits as specified in this contract. The locations of this panel shall be in**
41 **the electrical room on the east side of the basement.**
42 **Additionally, the HVAC contractor shall provide temporary heat for the interior space of the Clubhouse. Interior temper-**
43 **atures shall be maintained between 45°F and 65°F as required for the installing of interior woodwork and throughout the**
44 **placing of this and applying coating, varnish or paint until these finishes are completely dried or cured. Note, when exter-**
45 **rior finishes are applied, the window replacement contractor shall be responsible for any exterior tenting and temporary**
46 **heat to these exterior portion of the work space. Please refer to SECTION 3.4 TEMPROARY CONSTRUCTION.**
47

48 **1.6. SALVAGE MATERIALS**

- 49 A. No materials removed from this project shall be reused except where stated on the plans and specifications. All materials
50 removed shall become the property of and shall be disposed of by the Contractor.
51

52 **1.7. PROVISIONS FOR FUTURE WORK**

- 53 A. **Electric strikes with conduit and wiring shall be installed per plans and specifications on some entry doors for future in-**
54 **stallation of a keyless entry system which is to be installed at a later date and is not a part of this contract.**
55

56 **1.8. SPECIAL SITE CONDITIONS**

- 57 A. Unless otherwise noted, construction operations shall be limited to the hours between **7:30 a.m. and 6:00 p.m.**, Mondays
58 through Fridays, except for holidays. This facility has a building security system and shall be armed and unarmed each day
59 by the Park staff. The contractor is responsible for coordinating work schedules with the Parks Staff in order to allow ade-
60 quate time to arm and disarm the system. A request must be made to the owner forty-eight hours in advance for approval
61 of work days or hours other than those stated above. Compliance is required with applicable Noise Ordinances.
62 B. The existing toilets for the Clubhouse has been shut down for the season and not available for use. The Contractor shall
63 provide and maintain sanitary temporary toilets, located where directed by the owner, in sufficient number required for the
64 force employed. The toilets shall comply with International Building Code Chapter 29 on Plumbing Systems. Toilets shall be

1 self-contained chemical type. The Contractor shall maintain the temporary toilets in a sanitary condition at all times and
2 shall supply toilet paper until completion of the job.
3

4 **1.9. ALTERNATES**

- 5 A. Not applicable
6

7 **1.10. STANDARD SPECIFICATIONS**

- 8 A. The City of Madison Standard Publications for Public Works Construction (Edition at publication date of this bid) forms a
9 part of these contract documents as if attached hereto. These Standard Specifications are available from the City Engineer,
10 City Engineering Division, Room 115, City County Building, 210 Martin Luther King Jr. Blvd., Madison, WI 53710 or electroni-
11 cally from the City Website <http://www.cityofmadison.com/business/pw/specs.cfm>. The Contractor shall review these
12 standard specifications prior to preparation of proposal for the work to be done under this contract. Failure to do so does
13 not relieve the Contractor from meeting all requirements.
14

15 **1.11. GENERAL REQUIREMENTS**

- 16 A. All articles in these General Requirements are applicable to all Divisions fully as if repeated within that Division. The Condi-
17 tions of the Contract, General and Supplementary General Conditions, and these General Requirements shall apply to the
18 Contractor engaged in this work. Items listed under Scope of Work are not necessarily all inclusive. These specifications and
19 drawings are intended to include everything necessary to perform the entire work properly. Every item necessarily required
20 might not be specifically mentioned or shown. Unless expressly stated, all systems and equipment shall be complete and
21 operable. All devices and installation methods necessary for a functioning system are considered included in this contract
22 even if a detail is missing or unclear. The words "furnish", "install", "as required", and "provide" shall mean the same in a
23 sense that the Contractor shall furnish and install all the necessary materials, apparatus, and devices to complete the
24 equipment and systems installation herein specified, except such parts as are specifically exempted herein. This also in-
25 cludes that the contractor demolishes and disposes of an existing item if demolition is required to install the new item, even
26 if demolition drawings or specification don't mention demolition of the specific item. If an item is either called for in the
27 specifications or shown on the plans, it shall be considered sufficient for the inclusion of said item in this contract.
28 B. The terms "city", "owner", city engineer" and "project manager" are used interchangeably. The terms "contractor", "sub-
29 contractor" and "general contractor" are used interchangeably.
30 C. Portions of these specifications are of the abbreviated, simplified type and may include incomplete sentences. Omissions of
31 words or phrases such as "the Contractor shall", "in conformity with", "shall be", "as noted on the drawings", "in accord-
32 ance with details", are intentional. Omitted words or phrases shall be supplied by inference in the same manner, as they
33 are when a note occurs on the drawings. Such terms as approved, reviewed, equal, as directed, , as permitted, acceptable,
34 satisfactory mean by or to the owner.
35 D. If a conflict exists within the Specifications or exists within the Drawings, the Contractor shall furnish the item, system, or
36 workmanship, which is the highest quality, largest, largest quantity or most closely fits the owner's intent. Materials and
37 labor shall be new (unless noted or stated otherwise), first class, and workmanlike, and shall be subject at all times to the
38 owner's inspections, tests and approval from the commencement until the acceptance of the completed work. Whenever a
39 particular manufacturer's product is named, it is intended to establish a level of quality and performance requirements un-
40 less more explicit restrictions are stated to apply. It must be understood that the details and drawings are diagrammatic.
41 The Contractor shall verify all dimensions at the site and be responsible for their accuracy. If items are too large to fit into
42 existing space Contractor shall provide smaller model of same type upon approval by owner at no cost to owner. All sizes as
43 given are minimum except as noted. Prior to bidding, bidder must visit site to become familiar and verify existing condi-
44 tions. Failure to do so does not relieve the bidder from the responsibility to verify existing conditions, to point out errors in
45 drawings or specifications or code violations.
46 E. The area to be set aside for the work under this contract is shown on the drawings, and the Contractor shall confine the
47 construction to the immediate area within the construction limits. The Contractor shall immediately upon entering the site
48 for purpose of beginning work, locate general reference points and take such action as is necessary to prevent their de-
49 struction. The Contractor shall lay out its work and be responsible for all lines, elevations and measurements of the build-
50 ing and other work executed under its Contract. The Contractor must exercise proper precaution to verify dimensions on
51 the drawings before laying out work and will be held responsible for any error resulting from failure to exercise such pre-
52 caution. The Contractor shall verify grades, lines, levels, locations, and dimensions as shown on drawings and report any er-
53 rors or inconsistencies to owner before commencing work. Starting of work by the Contractor shall imply acceptance of ex-
54 isting conditions. Confine all operations, equipment, apparatus and storage of materials, to the immediate area of work to
55 the greatest possible extent. Contractor shall ascertain, observe and comply with all rules and regulations in effect on the
56 project site, including but not limited to parking and traffic regulations, use of walks, security restrictions and hours of al-
57 lowable ingress and egress. Any special traffic control during construction involving lane closures shall be in accordance
58 with the federal standard, Manual of Uniform Traffic Control Devices.
59 F. The work site shall be kept clean and neat at all times. Accumulation of debris shall be avoided and all new equipment and
60 material shall be stored neatly and protected. Failure to comply will result in the contractor responsible for the disorderly
61 conditions to be removed from job site.
62 G. Owner will not furnish Watchpersons. The Contractor shall provide such precautionary measures, to include the furnishing
63 of watchpersons if deemed necessary, to protect persons and property from damage or loss where the Contractor's work is
64 involved. The contractor is responsible for securing any material stored on site. In case of theft or damage
65

1 **1.12. CONTRACTOR'S RESPONSIBILITY PRIOR BIDDING**

- 2 A. Bidders shall bring inadequacies, omissions or conflicts to owner's attention at least ten (10) days before the date set for
3 bid submission. Prompt clarification will be supplied to all bidders of record by addendum. Failure to request clarification or
4 interpretation of the drawings and specifications will not relieve the successful Bidder of responsibility. Signing of the con-
5 tract will be considered as implicitly denoting that the Contractor has thorough understanding of the scope of work, existing
6 conditions, and comprehension of the contract documents. Owner is not responsible for verbal instructions.
- 7 B. During bidding time owner will allow contractors to visit the site to familiarize themselves with the existing conditions and
8 to ask questions for clarification. Failure to attend the scheduled walkthrough implies that the contractor accepts all exist-
9 ing conditions and includes all work to handle existing conditions in his bid price.
- 10 C. Prior bidding, bidder must obtain information on payment conditions, discounts, shipping charges, and other cost from
11 vendor and/or manufacturer of the products specified.
12

13 **1.13. PAYMENT AND CHANGE ORDERS**

- 14 A. PAYMENTS: will be made based on progress of work. No payments will be made for occurred overhead cost that did not
15 materialize in actual installation. Examples of cost to the contractor that is not part of partial payment are project manage-
16 ment cost, bond cost etc. These cost will be covered proportionally for actual work done on site. No payments shall be
17 made for material that is not installed.
- 18 B. PAY APPLICATION: The Contractor is responsible for providing the Owner partial payment applications on form AIA Docu-
19 ment G702 Application for Payment and AIA Document G703 Continuation Sheet or equivalent form (with schedule of
20 values). Before the first Application for Payment, the Contractor shall submit to the A/E a schedule of values of the various
21 portions of the Work, including quantities if required by the A/E aggregating the total Contract Sum, divided so as to facili-
22 tate payments to Subcontractors. Prepare a schedule of values in such form and supported by such substantiating data as
23 the A/E and Owner may require. Each item in the schedule of values shall include its proper share of overhead and profit.
24 This schedule, when approved by the A/E, shall be used only as a basis for reviewing the Contractor's Applications for Pay-
25 ment.
- 26 C. CHANGE ORDERS: Changes only will be accepted if approved prior work done. No payment shall be made if contractor if
27 contractor commences work without a cost is agreed on. In case of field change orders a price range has to be agreed on at
28 minimum. If contractor does not provide cost before the additional work is done, it is assumed the contractor agreed that
29 this work was part of the original contract.
- 30 D. CHANGE ORDER MARKUP: Contractor shall supply all documentation for evaluation of reasonableness of change order
31 price. These include but are not limited to subcontractor quotes, supplier quotes, time estimates and others. Markup on
32 subcontractor price shall not exceed the value allowed by the Standard Specifications referenced in this contract. This
33 markup will cover all the contractor expenses including added bond, insurance and other cost.
34

35 **1.14. COOPERATION AND RESPONSIBILITIES BETWEEN TRADES**

- 36 A. The Contractor assumes responsibility for all work specified in this contract except for work explicitly noted as be done by
37 owner or a Contractor separately hired by owner. The Contractor coordinate the work of all trades on the project. If plans
38 or specifications designate parts of the work to be done by a specific trade it is meant as a suggestion only. It is up to the
39 trades to agree on division of work and cost. Any work not done by a subcontractor will be the responsibility of the contrac-
40 tor (general contractor, party the owner is in contract with).
- 41 B. All Contractors shall work in cooperation with the Contractor and with each other, and fit their work into the structure as
42 job conditions may demand. Owner shall make all final decisions as to the right-of-way and run of pipe, ducts, etc., at
43 pre-arranged meetings with responsible representatives of the Contractors involved. Contractor(s) shall coordinate the work
44 with adjacent work with other Contractors prior to installation and shall cooperate with all other trades to facilitate the
45 general progress of the work. The Contractor shall coordinate and schedule the work of all its subcontractors, and shall
46 furnish all information required by them for proper scheduling and execution of the work. In the same manner, the Con-
47 tractor shall coordinate the work with that of owner, and any other Contractor operating in the area, including reasonable
48 adjustments of schedule in order to allow other Contractors or the owner to do their work. Any installed work that is not
49 coordinated and that interferes with other Contractor's work shall be removed or relocated at the Contractor's expense.
- 50 C. In case it is indicated which trade is responsible for which work, this is meant as a suggestion and it is the Contractor's re-
51 sponsibility in its contracts with subcontractors to clarify who ultimately will do the work. If conflicts arise between the Con-
52 tractor and subcontractor about who is responsible for which work to be done it is the Contractor's responsibility to make
53 sure the work gets done in time even if the dispute between Contractor and subcontractor gets settled later.
54

55 **1.15. SUBMITTALS**

- 56 A. Documents have to be submitted in electronic form (PDF) as described elsewhere in addition to hardcopies no later than 3
57 business days after start work letter is issued. Owner will review, and process shop drawings and other required submittals
58 with reasonable promptness. No delay will be allowed in the progress of the job attributable to Contractor's failure to sup-
59 ply submittals in time. PDF shall be in good quality in electronic original from manufacturer. Scanned PDF are not accepta-
60 ble.
- 61 B. The Contractor shall submit three (3) prints of all shop drawings, submittal data consisting of brochures, catalogs, material
62 lists, wiring diagrams, Material Safety Data Sheets (MSDS), samples, erection drawings, and equipment layouts for review
63 by owner. General catalog sheets showing a series of the same device is not acceptable unless the specific model is clearly
64 marked. Each submittal shall be provided together with a transmittal letter or form. Each original transmittal shall be as-
65 signed a transmittal number. The number shall begin with the first initial of the name of the Contractor's firm followed by a

1 sequential numbering system. The re-submittals shall indicate the same number with numerical suffix in sequence. Each
2 transmittal shall itemize the enclosures and indicate the distribution of the transmittal and the enclosures. The following in-
3 formation shall be included on all submitted documents: Agency/Location/Address obtained, project number, building
4 name, project name. Submittals shall be grouped to include complete submittals of related systems, products, and accesso-
5 ries in a single submittal. Mark dimensions and values in units to match those specified. Include wiring diagrams of electri-
6 cally powered equipment.

- 7 C. Submit all original documents providing information regarding sustainability requirements including but not limited to recy-
8 cled content, VOC, certified wood, disposal certificates and transportation distance. Contractor is required to prove that
9 material and methods used meet all requirements specified elsewhere.
- 10 D. Owner will return the marked and stamped drawings together with transmittal letter or form to Contractor. If re-submittal
11 is required, owner will so note and Contractor shall make another submission for review after correction resolving the re-
12 view comments on the prior submittals. The above procedure shall be repeated until owner favorably reviews the submit-
13 tal. The submittals must be approved before material is ordered and fabrication is authorized.
- 14 E. Owner's favorable review of shop drawings and other submittals shall not relieve the Contractor of responsibility for devia-
15 tions from drawings or specifications, unless the Contractor has in writing called the owner's attention to such deviations at
16 the time of submission, and the owner has acknowledged in writing such deviations; nor shall it relieve the Contractor from
17 responsibility for errors of any sort in such drawings. If deviations, discrepancies, or conflicts between shop drawing submit-
18 tals and the drawings and specifications are discovered either prior to or after the shop drawing submittals are reviewed by
19 owner, the drawings and specifications shall control and shall be followed. The Contractor shall be responsible for and shall
20 check the correctness of all documents including those subcontractors prior to submitting them to owner for review.
- 21 F. The Contractor shall furnish prints of the favorably reviewed final shop drawings, erection drawings, equipment layouts and
22 vendor data to subcontractors and suppliers for the proper coordination of their work. The Contractor shall keep one (1)
23 complete set of the above documents at the job site for the use by owner.
- 24 G. After the completion of the project, and prior to final payment, submit:
- 25 1. One (1) copy of the Waste Manifest Records to the owner, if required in accordance with "Safety and Environment" Re-
26 quirements Article "HAZARDOUS SUBSTANCES".
 - 27 2. The original and one (1) copy of all guarantee/warranty documents.

28 29 **1.16. GUARANTEES**

- 30 A. All work, material and equipment is guaranteed by the Contractor to be free of faults for at least one year or longer if speci-
31 fied elsewhere. This year begins from the date of final acceptance from owner. The Contractor agrees to return to the pro-
32 ject and commence work as directed upon notification by owner and will furnish at his own expense all necessary labor and
33 material to make proper repairs or corrections made necessary by defective material or inferior workmanship furnished or
34 performed under this contract. If a subcontractor is not complying, the Contractor is held responsible.
- 35 B. All corrections and repairs are to be made no more than 30 days after notification of the Contractor for equipment and
36 material that is not critical to the operation of the building. Critical equipment and material, including but not limited to
37 HVAC, roofing, electrical, elevator, shall be repaired or brought into temporary and safe working condition in less than 7
38 days and temporary alternatives have to be provided by the Contractor if function is critical for use of the facility. If Con-
39 tractor fails to do so the owner reserves the right to perform the work himself or subcontract a different Contractor and
40 charge the Contractor the full cost of the repair and correction and cost of any material, rental fee, labor and equipment to
41 provide temporary relief and protection to enable safe operation of the building.
- 42 C. All equipment and material warranty by the manufacturer that lasts longer than the 1-year warranty by the contractor re-
43 quires sufficient documentation acceptable by the manufacturer to honor the warranty beyond the first year. documents
44 required include manufacturer's warranty certification for this specific material and equipment at the job site, purchase or-
45 ders or any other documents that will be required beyond the first year for the manufacturer to honor warranty.

46 47 **1.17. SCHEDULE OF OPERATIONS**

- 48 A. Within 5 calendar days after the effective date of Start Work Letter, the Contractor shall provide a preliminary construction
49 progress schedule.
- 50 B. Install work in phases to accommodate owner 's occupancy requirements. During the construction period coordinate oper-
51 ations with owner and City Project Manager.
52 Phase work according to the following operations requirements:
53 **The interior work space of the Clubhouse will be available for work to begin on November 16th 2015 and all construction**
54 **work shall be completed by January 15th 2016.**
- 55 C. After the initial submittal, the Contractor shall update the schedule as requested by the City's Project Manager.

56 57 **1.18. DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS**

- 58 A. Drawings indicate approximate locations of the various items. These items are shown approximately to scale and attempt
59 to show how these items should be integrated with building construction. Locate all the various items on-the-job measure-
60 ments in conformance with code and cooperation with other trades. Before locating items, confer with the owner as to de-
61 sired location in the various areas. In no case items shall be located by scaling drawings. Contractor must relocate items and
62 bear cost of redoing work or other trades' work necessitated by failure to comply with this requirement.
- 63 B. Demolition drawings, location, circuit numbers, number and type of fixtures, type of mounting and control devices may not
64 be correct. All sizes are approximations and have to be field-verified by contractor. In case of a discrepancy within and be-
65 tween the drawings that would cause and awkward or improper installation the engineer has to be notified for clarification

1 prior to installation. Any work in conflict with the drawings shall be corrected at contractor's expense and at no cost to the
2 owner. Contractor shall determine if scheduled devices fit into space and shall advise if not BEFORE ordering fixtures or de-
3 vices.

- 4 C. Information pertaining to existing conditions that are described in the specifications or appear on the drawings is based on
5 available records. While such data has been collected with reasonable care, there is no expressed or implied guarantee
6 that conditions so indicated are entirely representative of those actually existing. This information is provided to inform the
7 Contractor of known, existing conditions so that due diligence is taken by the Contractor to avoid damage. Where site ob-
8 servation or documents indicate existing underground utilities/services in close proximity (within four feet horizontally
9 and/or four feet vertically) to necessary new construction work, the Contractor shall be responsible to test, probe or oth-
10 erwise determine exact locations so as to prevent damage to such utilities/services.
- 11 D. Standard References such as ANSI, AASHO, AWWA, AISC, Commercial Standards, Federal Specifications, NEMA, UL, and the
12 like incorporated in the requirements by reference shall be those of the latest edition at time of receiving bids, unless oth-
13 erwise specified. The manufacturers, producers and their agents of required materials shall have such specifications availa-
14 ble for reference and are fully familiar with their requirements as pertains to their product or material.
- 15 E. The Contractor shall not take advantage of any apparent error or omission in the plans or specifications, and the owner
16 shall be permitted to make such corrections and interpretations as may be deemed necessary for the fulfillment of the in-
17 tent of the plans and specifications.
- 18 F. In addition to verifying at the site all measurements shown on the Drawings, Contractor shall consult the Drawings and
19 Specifications of related work or existing construction that may in any manner affect the work of this contract. Contractor
20 shall promptly report to the owner, in writing, any errors, omissions, violations, or inconsistencies that may be discovered
21 as a result of such verifications; otherwise, it shall be understood that Contractor accepts all such related data and condi-
22 tions without reservations.
- 23 G. Each trade shall keep one set of plans and specifications on site. In addition construction bulletins, change orders etc. as
24 applicable to the trades shall be on site.
- 25 H. It shall be the responsibility of the Contractor to submit to the owner within ten (10) days after final inspection, one com-
26 plete marked-up set of contract drawings fully illustrating all revisions made by all the crafts in the course of the work. This
27 shall include all field changes, adjustments, variances, substitutions and deletions, whether covered by Change Order or
28 not. Underground utility installations must be located precisely as constructed on the marked-up drawings. Contractor shall
29 markup changes for as-built drawings on a daily base.
- 30 I. Layout of existing piping, conduits, and locations of equipment are shown as exactly as could be determined during design
31 of the facilities; but their accuracy, particularly when such layouts and drawings are schematic, cannot be guaranteed. Con-
32 tractor shall check all Specifications including the Drawings for possible interference with electrical, mechanical, and struc-
33 tural details, as well as interference with existing building or equipment, and shall notify the owner of the interference for
34 resolution of the interference before commencing work. Any completed work that interferes shall be corrected by Contrac-
35 tor at Contractor expense so that the original design can be followed.
- 36 J. Electronic design files may be provided by the owner at its digression as they are needed for the contractor to perform the
37 work. Contractor shall use electronic design files on their own risk and assume all liability. Electronic documents are not
38 contract documents and significant discrepancies may exist between these electronic files and contract documents and ac-
39 tual site conditions.
- 40 K. Contractor shall provide list with all equipment installed. This list shall contain, but not limited to, type, make and special
41 product key and number. For grant purposes the contractor may have to provide detailed information about equipment in-
42 stalled and labor provided to third party institutions, such as Focus on Energy.
- 43 L. Using datum, the lot lines and present levels have been established as shown on the drawings. Other grades, lines, levels
44 and benchmarks, shall be established and maintained by the Contractor, who shall be responsible for them. As work pro-
45 gresses, the Contractor shall lay out on forms and floor, the locations of all partitions, walls and fix column centerlines as a
46 guide to all trades. The Contractor shall make provision to preserve property line stakes, benchmarks, or datum point. If
47 any are lost, displaced or disturbed through neglect of any Contractor, Contractor's agents or employees, the Contractor re-
48 sponsible shall pay the cost of restoration.

49 50 **1.19. QUALITY ASSURANCE**

- 51 A. Any installed material not meeting the specification requirements must be replaced with material that meets these specifi-
52 cations without additional cost to owner.
- 53 B. All products and materials used are to be new, undamaged, clean and in good condition. Existing products and materials
54 are not to be reused unless specifically indicated.
- 55 C. Where equipment or accessories are used which differ in arrangement, configuration, dimensions, ratings, or engineering
56 parameters from those indicated on the contract documents, the Contractor is responsible for all costs involved in integrat-
57 ing the equipment or accessories into the system and for obtaining the performance from the system into which these
58 items are placed. This may include changes found necessary during the testing, adjusting, and balancing phase of the pro-
59 ject.
- 60 D. Welding procedures, welders, and welding operators for all building service piping to be in accordance with certified weld-
61 ing procedures of the National Certified Pipe Welding Bureau and Section 927.5 of ASME B31.9 Building Services Piping or
62 AWS 10.9 Qualification of Welding Procedures and Welders for Piping and Tubing. Before any metallic welding is per-
63 formed, Contractor to submit his Standard Welding Procedure Specification together with the Procedure Qualification Rec-
64 ord as required by Section 927.6 of ASME B31.9 Building Services Piping. Before any metallic welding is performed, Contrac-
65 tor to submit his Standard Welding Procedure Specification together with the Procedure Qualification Record as required by

- 1 Section IX of the ASME Boiler and Pressure Vessel Code and/or the National Certified Pipe Welding Bureau. Before any polyethylene fusion welding is performed, Contractor to submit certification that the welders to be used on this project have
2 successfully demonstrated proper welding procedures in accordance with the Code of Federal Regulations, Title 49, Part
3 192, Section 192.285.
4
- 5 E. Contractor shall assume the responsibility for the protection of all finished construction under the Contract and shall repair
6 and restore any and all damage of finished work to its original state. Wheeling of any loads over any type of floor, either
7 with or without plank protection, will be permitted only in rubber-tired wheelbarrows, buggies, trucks or dollies. Where
8 structural concrete is also the finished surface, care must be taken to avoid marking or damaging those surfaces. All structures
9 and equipment shall be constructed, installed and operated with guards, controls and other devices in place.
- 10 F. Contractor shall obtain complete data at the site and inspect surfaces that are to receive the Work before proceeding with
11 fabricating, assembling, fitting or erecting any work under this contract. Contractor shall notify owner in writing in case of
12 discrepancies between existing work and drawings, and of any defects in such surfaces that are to receive the Contractor's
13 work. Owner will evaluate the notice and direct what remedial action will be taken.
- 14 G. Starting of work implies acceptance of existing work or the work of others. Removal and replacement of work applied to
15 defective surfaces, in order to correct defects, shall be done at the expense of the Contractor who applied work to defective
16 surfaces.
- 17 H. For outdoor work the Contractor shall:
- 18 1. Provide, erect and maintain all required planking, barricades, guard rails, temporary walkways, etc., of sufficient size
19 and strength necessary for protection of stored material and equipment; paved surfaces, walks, curbs, gutters and
20 drives; streets adjacent to or within project area; adjoining property and all project work to prevent accidents to the
21 public and the workmen at the job site.
 - 22 2. Notify adjacent property owners if their property interferes with the work so that arrangements for proper protection
23 can be made.
 - 24 3. Provide and maintain proper shoring and bracing to prevent earth from caving or washing into the building excavation.
25 Provide temporary protection around openings through floors and roofs, including elevator openings, stairwells, and
26 edge of slabs.
 - 27 4. Provide and maintain proper shoring and bracing for existing underground utilities, sewers, etc., encountered during
28 excavation work, to protect them from collapse or other type of damage until such time as they are to be removed, in-
29 corporated into the new work, or can be properly backfilled upon completion of new work.
 - 30 5. Provide protection against rain, snow, wind, ice, storms, or heat to maintain all work, materials, apparatus, and fixtures,
31 incorporated in the work or stored on the site, free from injury or damage. At the end of the day's work, cover all new
32 work likely to be damaged. Remove snow and ice as necessary for safety and proper execution of the work.
 - 33 6. Protect the building and foundations from damage at all times from rain, ground water and back up from drains or
34 sewers. Provide all equipment and enclosures as necessary to provide this protection.
 - 35 7. Damaged property shall be repaired or replaced in order to return it to its original condition. Damaged lawns shall be
36 replaced with sod.
 - 37 8. Protect materials, work and equipment, not normally covered by above protection, until construction proceeds to a
38 point where the general building protection of the area where located, dispenses with the necessity therefore. Protect
39 work outside of the building lines such as trenches and open excavations, as specified above.
 - 40 9. Take all necessary precautions to protect owner's property as well as adjacent property, including trees, shrubs, build-
41 ings, sanitary and storm sewers, water piping, gas piping, electric conduit or cable, etc., from any and all damage which
42 may result due to work on this project.
 - 43 10. Repair work outside of property line in accordance with the requirements of the authority having jurisdiction.
 - 44 11. Repair any work, damaged by failure to provide proper and adequate protection, to its original state to the satisfaction
45 of owner or remove and replace with new work at the Contractor's expense.
 - 46 12. Protect trees indicated on the drawings to remain and trees in locations that would not interfere with new construc-
47 tion, from all damage. Do not injure trunks, branches, or roots of trees that are to remain. Do cutting and trimming on-
48 ly as approved and as directed by owner. The value of trees destroyed or damaged will be charged against the account
49 of the Contractor responsible for the damage in an amount equal to the expense of replacing the trees with those of
50 similar kind and size.
- 51 I. The contractor shall be fully responsible for inspecting the work of its suppliers, and subcontractors to assure that the work
52 complies with the standards for materials and workmanship required by the contract documents. The Contractor shall:
- 53 1. Monitor quality control over subcontractors, suppliers, manufacturers, products, services, site conditions, and work-
54 manship, to produce work of the quality specified in the contract documents.
 - 55 2. Comply fully with manufacturer's instructions, including each step in sequence.
 - 56 3. Request clarification from owner before proceeding with work when manufacturers' instructions or reference stand-
57 ards conflict with Subcontract Documents.
 - 58 4. Comply with specified standards as a minimum quality for the work except when more stringent tolerances, codes, or
59 manufactures instructions require more precise workmanship.
 - 60 5. Ensure that work is performed by persons specializing in the specific trade and class of work required, and qualified to
61 produce workmanship of specified quality.
 - 62 6. Secure products in place with positive anchorage devices designed and sized to withstand seismic, static and dynamic
63 loading, vibration, physical distortion or disfigurement.

- 1 J. If reference standards or manufacturers' instructions contain provisions that would alter or are at variance with relationships between the parties to the contract set forth in the contract Documents, the provisions in the contract Documents shall take precedence.
- 2
3
4 K. When required by individual Specification sections, Contractor shall provide the following services from a manufacturer's representative:
- 5
6 1. Review of Specifications and design and concurrence or suggestions for modification.
- 7 2. Site observation of conditions of use and substrate.
- 8 3. Observation of the installation work in progress and on completion.
- 9 4. Start up, testing, and adjustment of equipment.
- 10 5. Instruction to the owner in operation and maintenance.
- 11 6. Provide written signed report by manufacturer's representative documenting services provided and any comments or recommendations.
- 12
13 L. Inspection or testing performed by the owner shall not relieve the Contractor from responsibility for performing his own quality control and for complying with the requirements of the contract Documents. Owner will not be responsible for the Contractor's failure to carry out work in accordance with the contract Documents.
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17 **1.20. CODES AND PERMITS**

- 18 A. Applicable provisions of Public Law, the Constitution and Laws and Statutes of the State of Wisconsin and the codes and regulations of governmental departments are hereby referred to and made a part of this contract and all work performed shall be in accordance with such laws, regulations and the latest edition or supplement or amendment thereto in effect at the time of submittal of bid shall be considered to be the issue in effect (unless shown otherwise) of all applicable codes including, but not limited to:
- 19
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23 1. Wisconsin Building Code
- 24 2. Wisconsin Electrical Code
- 25 3. Wisconsin Mechanical Code
- 26 4. Wisconsin Plumbing Code
- 27 5. Wisconsin Energy Code
- 28 6. Wisconsin Fire Code
- 29 7. NFPA 70 National Electrical Code
- 30 8. General Services Administration 41 CFR Part 101-19
- 31 9. Americans with Disabilities Act (ADA)
- 32 10. Energy Conservation Performance Standards,
- 33 11. Local Codes
- 34 12. Occupational Safety and Health Act (OSHA)
- 35 13. Occupational Safety and Health Standards, Department of Labor
- 36 14. Safety and Health Regulations for Construction, Department of Labor
- 37 15. Wisconsin Fire Code
- 38 16. National Electrical Safety Code, ANSI C2
- 39 17. Environmental Protection Agency regulations
- 40 18. Clean Air Act
- 41 19. Clean Water Act
- 42 20. Resource Conservation and Recovery Act
- 43 21. Toxic substances Control Act
- 44 22. Wisconsin Department of Health and Family Services
- 45 23. State and Regional Water Quality Control Boards
- 46 24. County and Municipal ordinances
- 47 B. In case of conflict or overlap of the above references, the most stringent provision shall apply.
- 48 C. The newest version of the a code or standard shall apply even if an older version is adopted by the Jurisdiction Having Authority.
- 49
50 D. If necessary, file and maintain Notification of Demolition and/or Renovation and Application for Permit Exemption (WDNR Form 4500-113) in accordance with the Wisconsin Administrative Code Chapter NR447.
- 51
52 E. Contractor is expected to know or to ascertain, in general and in detail, the requirements of all codes and ordinances, and all rulings and interpretations of code requirements being made by all authorities having jurisdiction over the work performed by them, applicable to the construction and operation of systems covered by this contract. Where codes or standard specifications other than those listed in this paragraph are referred to in the different Divisions of these specifications, it is understood that they apply as fully as if cited here. Where differences exist between codes affecting this work, the code affording the greatest protection to the owner shall govern.
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58 F. All cost for items and procedures necessary to satisfy requirements of all applicable codes, ordinances and authorities, whether or not these are specifically covered by drawings or specifications. All cases of serious conflict or omission between the drawings, specifications, and codes shall be brought to the owner's attention as herein before specified. The Contractor shall carry out work and complete construction as required by applicable codes and ordinances and in such a manner as to obtain approval of all authorities whose approval is required.
- 59
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62
63 G. Contractor is responsible for obtaining permits at its own cost including expenses for supporting documents. Deliver original permits to the owner before work starts. Apply for, arrange and pay for all required installation inspections required.
- 64

- 1 Deliver originals of these certificates to the owner. Include copies of the certificates in the Operating and Maintenance In-
2 structions. Contractor shall arrange all required inspections and correct all deficiencies at no cost to owner.
- 3 H. The Contractor must maintain all licenses required for the work performed and required by authorities. The Contractor
4 must submit proof of holding the license or certificate upon request. If a Contractor loses a license for whatever reason he
5 must inform the owner immediately after learning about that himself.
- 6 I. PERMIT TO PENETRATE GROUND OR EXISTING SURFACES OF OWNER PROPERTY:
- 7 1. Prior to any penetration of the ground or existing concrete surfaces (including the use of stakes or poles) in excess of
8 1.5", the Subcontractor shall obtain from the Project Representative a Permit to penetrate or Excavate Existing Surface
9 of owner property and shall adhere to the conditions of the permit during such work. The Permit and all conditions in it
10 shall be considered part of these specifications and shall be included in the contractor's bid amount.
- 11 2. In areas where a Permit to penetrate or excavate existing surfaces of owner property is not required, contractors shall
12 verify by safe means, prior to drilling, that no utilities or services are enclosed within the area to be drilled.
- 13 J. FIRE SAFETY PERMIT:
- 14 1. All operations with open flames or that cause sparks or is near gas lines or near combustible storage containers require
15 a daily Fire Safety Permit issued by the Project Representative. Contractor shall not commence such work until the
16 permit is issued. Activities requiring a Permit include, but are not limited to, electric arc and gas welding and flame cut-
17 ting, other open flame operations, tar kettles, powder activated tools and excavations. Fire watch personnel shall be
18 provided the contractor in sufficient number to continuously monitor all locations where work is conducting requiring a
19 fire permit. The fire watch personnel shall remain on the job at least thirty minutes after such operations are complet-
20 ed. Fire safety personnel may be installers or welders.
- 21 2. Noncombustible shields or covers shall be provided by the contractor on tables, floors, walls, around the workstation,
22 and over equipment to protect building structures, equipment and personnel from sparks and fragments of hot metal.
23 Contractor shall also take these precautions to protect against sparks and hot metallic oxides generated by grinding,
24 drilling or sawing operations.

25 26 **1.21. ENVIRONMENT, SAFETY AND HEALTH (EHS)**

- 27 A. The owner can request additional safety or environmental protection measures at any time. If contractor does not follow
28 safety or environmental protection requirements, the owner can hire a different contractor or self-perform to ensure com-
29 pliance and charge the original contractor for the cost.
- 30 B. Contractor shall provide all labor, materials, equipment, services and supervision required to maintain work sites that meet
31 the environment, safety and health (ES&H) requirements of all applicable federal, state, and local regulations and protect
32 the environment and the safety and health of its employees, the employees of its lower tier subcontractors, owner em-
33 ployees and the general public.
- 34 C. The contractor shall provide a qualified onsite EHS Representative with the authority to enforce all of the safety require-
35 ments and implement the contractor's Injury and Illness Prevention Program and Hazard Abatement Plan. The contractor
36 shall remove and replace its Health and Safety Representative at the request of the owner, if the Safety Representative is
37 unsuccessful in enforcing the EHS requirements. The contractor's EHS representative shall conduct safety inspections of the
38 project operations, materials, and equipment frequently throughout the day to ensure that all safety deficiencies are identi-
39 fied and corrected. The owner reserves the right to enforce measures if the contractor's onsite EHS representative does not
40 enforce all requirements. Inspection findings and corrective actions taken shall be documented, and the record shall be
41 kept on the construction work site and be made available to owner upon request. If safety deficiencies are found, owner
42 will issue a Safety Deficiency Notice to the contractor. Upon receipt of a written Safety Deficiency Notice from the Owner,
43 the contractor shall take appropriate action to correct the deficiency and discontinue the hazardous activity until the hazard
44 is abated. Failure to correct or eliminate violation(s) within the period specified might result in the order to stop all or any
45 part of the work. The contractor shall submit to the owner a written response to the Safety Deficiency Notice describing
46 what corrective action it has taken, the date such corrective action was completed and actions that it will take to prevent
47 future recurrence of the same incident.
- 48 D. Provide protection for workmen, public, adjacent construction and occupants of existing building(s). Personal Protective
49 Equipment (PPE) such as hard hats, ear plugs and dust masks, shall be provided to all employees and use shall be enforced
50 by the onsite EHS Representative. PPE also shall be provided to site visitors near the main entrances to the jobsite. PPE shall
51 be provided in sufficient numbers to outfit typical number of visitors (i.e. designers, inspectors, shipment workers)
- 52 E. WORK SITE SAFETY ORIENTATION: Each employee shall receive initial EH&S orientation prior to performing any work on the
53 project. The contractor shall maintain on the work site a detailed outline of the orientation and a signed and dated roster of
54 all employees who have completed the project EHS indoctrination. Make documentation available to owner on request.
55 The orientation shall, at a minimum, cover the following points:
- 56 1. Employee rights and responsibilities.
57 2. Construction contractor responsibilities.
58 3. Alcohol and drug abuse policy
59 4. Contractor's disciplinary procedures.
60 5. First aid and medical facilities.
61 6. Site and project specific hazards.
62 7. Hazard recognition and procedures for reporting or correcting unsafe conditions or practices.
63 8. Procedures for reporting accidents and incidents.
64 9. Fire fighting and other emergency procedures to include local warning and evacuation systems.
65 10. Hazard Communication Program.

- 1 11. Access to employee exposure monitoring data and medical records.
- 2 12. Protection of the environment, including air, water, and storm drains from construction pollutants.
- 3 13. Location of and access to reviewed project Illness and Injury Prevention Program, Hazard Analysis and Hazard Abate-
- 4 ment Plan
- 5 14. Location and contents of required postings
- 6 F. A comprehensive EH&S program shall be established including but not be limited to:
- 7 1. Confined Space Entry
- 8 2. Site specific Emergency Response, First Aid, & Medical Services. Identify employees with CPR/First Aid certification
- 9 available at the work site.
- 10 3. Fire Protection and Prevention
- 11 4. Hazard Communications
- 12 5. Hazardous Waste Operations
- 13 6. Hazardous Work Permits
- 14 7. Toxic and Hazardous substances
- 15 8. Inspection, Maintenance, and Certification of Heavy Equipment, Cranes, and Motor Vehicles
- 16 9. Lock Out/Tag Out (LOTO) Subcontractors are required to include LOTO
- 17 10. Personal Protective and Life Saving Equipment
- 18 11. Radiation Protection
- 19 12. Construction Safety Training
- 20 13. Control of silica dust released during demolition or drilling of concrete or released from work with other materials that
- 21 contain silica.
- 22 G. A comprehensive activity hazard analysis and hazard abatement plan shall be established including but not be limited to:
- 23 1. Description of work phase or activity
- 24 2. Identification of potential hazards associated with the activity
- 25 3. A list of the contractor's planned controls to mitigate the identified hazards
- 26 4. Name of the contractor's employee responsible for inspecting the activity and ensuring that all proposed safety
- 27 measures are followed
- 28 5. Construction activities for which an Activity Hazard Analysis and Hazard Abatement Plan may be required include, but
- 29 are not limited to:
- 30 6. Roofing
- 31 7. Hoisting and handling of materials
- 32 8. Excavations
- 33 9. Trenching and drilling
- 34 10. Concrete placement and false work
- 35 11. Welding
- 36 12. Steel erection
- 37 13. Work performed six feet or higher above ground
- 38 14. Electrical work
- 39 15. Demolition
- 40 16. Work in confined spaces
- 41 17. Work that causes the release of silica such as demolition or drilling of concrete or work with materials that contain sili-
- 42 ca.
- 43 18. Work with epoxy coatings
- 44 19. Work with or around hazardous materials
- 45 20. Work on hilly terrain
- 46 21. Use and handling of flammable materials
- 47 22. The owner must favorably review the Activity Hazard analysis and Hazard Abatement Plan before work can start on that
- 48 activity.
- 49 H. ELECTRICAL WORK:
- 50 1. Energized electrical work within panels and equipment is not allowed.
- 51 2. Workers shall be qualified to perform electrical tasks in accordance with OSHA 29 CFR 1910 and 1926 requirements.
- 52 3. Work practices must be compliant with NFPA 70E, newest edition – Standard for Electrical Safety in the Workplace.
- 53 I. Rubbish, debris and scrap shall not be thrown through any window or other opening, or dropped from any great height; it
- 54 shall be conducted to the ground, to waiting truck(s) or removable container(s) by means of approved chutes or other
- 55 means of controlled conveyance.
- 56 J. Form and scrap lumber shall have all nails withdrawn or bent over; shall be neatly stacked, placed in trash bins, or removed
- 57 from the premises.
- 58 K. Take all necessary precautions while dismantling piping containing gas, gasoline, oil or other explosive or toxic fluids or
- 59 gases. Purge lines and contain materials in accordance with all applicable regulations. Store such piping outdoors until
- 60 fumes are removed. Verify that all gas and electrical utilities have been abandoned or disconnected and associated hazards
- 61 mitigated, prior to beginning any demolition.
- 62 L. All material classified by authorities to be a material that needs special treatment must be recycled, reused or disposed of
- 63 by a special contractor that holds a valid license to work with such material. If hazardous materials are not anticipated, but
- 64 encountered, terminate operations and contact owner immediately.

- 1 M. CONTROL OF CRYSTALLINE SILICA DUST: The subcontractor shall provide all necessary control measures at the work site to
2 keep worker exposure to crystalline silica dust within the OSHA Established Permissible Exposure Limits (PEL's). Dust control
3 measures may require spraying of water or engineering controls at the dust generating points. It also may include the use
4 of respirators, industrial grade HEPA vacuums, and HEPA filtered locally exhausted tools. Construction operations known to
5 cause the release of silica dusts include, but are not limited to:
- 6 1. Chipping, sawing, grinding, hammering, and drilling of concrete, rock, or brick.
 - 7 2. Work with cementitious materials such as grout, mortar, stucco, gunnite, etc.
 - 8 3. Dry sweeping of dust originating from concrete or rock
- 9 N. CONSTRUCTION ACTIVITY POLLUTION PREVENTION:
- 10 1. Follow Requirements in Storm Water Pollution Prevention Plan (SWPPP) and Erosion and Sedimentation Control (ESC)
11 Plan
 - 12 2. Stabilize any relocated and moved soil with fast growing grasses and place mulch (hay, woodchips, straw) on it to cover
13 and hold soil
 - 14 3. Divert surface runoff from distributed areas into sediment basin or sediment traps with a mound of stabilized soil
 - 15 4. Construct posts with filter fabric media to remove sediment from stormwater leaving the site.
 - 16 5. Follow requirements in site development plan and don't disturb areas beyond the marked areas
- 17 O. INDOOR AIR QUALITY:
- 18 1. During construction the recommended control measures of the Sheet Metal and Air Conditioning Contractors National
19 Association (SMACNA) IAQ guidelines for occupied buildings under construction, (1995, chapter 3) must be met or ex-
20 ceeded.
 - 21 2. Stored on-site or installed absorptive material must be protected from moisture damage.
 - 22 3. In case permanently installed air handlers are used for ventilation, filtration media with a Minimum efficiency Reporting
23 Value (MERV) of 8 shall be used at each return air grille, as determined by ASHRAE 52.2-1999. Contractor shall replace
24 all filtration media immediately prior occupancy.
 - 25 4. All to be installed ductwork, air handlers and other equipment later connected to the indoor air path are to be protect-
26 ed from dirt and debris.
- 27 P. FIRE PROTECTION AND PREVENTION:
- 28 1. The contractor shall develop and maintain an effective fire protection and prevention program at the job site through
29 all phases of demolition, alteration, repair, and construction work. Contractor shall ensure the accessibility and availa-
30 bility of fire protection and suppression equipment.
 - 31 2. Smoking is prohibited everywhere on the job site – no exceptions. Signs shall be posted. In visible locations.
 - 32 3. No burning of rubbish or debris will be allowed at the site. Combustible waste shall be removed immediately or stored
33 in fire resistive containers until disposed of in an approved manner.
 - 34 4. The Contractor shall provide and maintain in working order during the entire construction period, a minimum of three
35 (3) fire extinguishers on each floor level, including basement of the building, and one (1) in temporary office. Exting-
36uishers shall be nonfreezing type such as A-B-C rated dry chemical, of not less than 10-pound capacity each. In addi-
37tion, any subcontractor who maintains an enclosed shed on the site shall provide and maintain, in an accessible loca-
38tion, one or more similar nonfreezing type fire extinguisher in each enclosed shed.
- 39 Q. ACCIDENTS AND SPILLS:
- 40 1. The contractor shall immediately notify the owner of any accidents, injuries or occupational illnesses that occur on the
41 project, regardless of the employer of the involved personnel or the owner of the involved materials or equipment. For
42 OSHA recordable injuries, the subcontractor shall also furnish a copy of the OSHA Form 301(or equivalent) to the Pro-
43 ject Representative within five days of the injury.
 - 44 2. In the event a job site accident occurs, the contractor shall immediately implement controls and restrictions on the ac-
45 cident site to ensure the site remains undisturbed until released in writing by the owner to resume work. The contrac-
46 tor shall provide accident investigation follow-up and shall support Owner's accident investigation and reporting proto-
47 col.
 - 48 3. The contractor shall promptly report to owner any spill, deposit, leak, drainage, debris, residue, spoil, residual, and/or
49 by-product, whether its presence at the jobsite is occasioned by accident, inadvertence, intent, discarding, or aban-
50 donment by the Subcontractor or its lower tier subcontractors. This reporting requirement applies to petroleum prod-
51 ucts, oil, lubricants, chemical substances, waste materials, and waste substances, which are in such quantities as to con-
52 stitute a hazardous substance or hazardous waste. All such occurrences of any quantity involving paints, solvents, thin-
53 ners, degreasers, PCBs, halogenated hydrocarbons, volatile organic compounds, and/or asbestos shall be deemed a re-
54 portable event. These identification and reporting requirements shall be the responsibility of the contractor for both its
55 own work forces as well as for any sub tier contractor, material man or supplier performing work on site for the con-
56 tractor. All removal, cleanup, and associated costs, which result from contractor or lower tier subcontractor, material
57 man, or supplier presence at the jobsite, shall be at the contractor's sole expense.
- 58 R. WASTE MANAGEMENT:
- 59 1. Recycle all recyclable material. This includes any material for which there is a recycling facility in Wisconsin.
 - 60 2. Separate all waste material in plastic, metal, paper, acoustical tile, brick, concrete, clean wood, glass, gypsum drywall,
61 carpet and insulation and provide designated on-site collection areas.
 - 62 3. Keep track of volume and weight of each material and track if it was recycled, reused, donated or disposed otherwise.
 - 63 4. It is permissible to separate waste off-site by specialized recycling contractor. This contractor needs to be provide
64 proof of recycling and needs to be WASTECAP certified as "Accredited Professional in Construction and Demolition
65 Debris Recycling".

- 1 5. Prior to demolition or construction activities, the General Contractor, with input of all contractors and their subcon-
2 tractors, shall develop and submit a Waste Management Plan to owner. Priority is given to reuse, followed by recy-
3 cling followed by disposal including proper land filling or incineration. Disposal only will be acceptable if other meth-
4 ods are not commercially available. The Waste Management Plan includes but is not limited to the following:
 - 5 a. A list of each material proposed to be salvaged, reused, or recycled, Materials to be included, at a minimum, are
6 the following:
 - 7 i. Concrete: Clean concrete, concrete with rebar, asphalt concrete.
 - 8 ii. Metals: Steel, iron, galvanized sheet steel, stainless steel, aluminum, copper, zinc, lead, brass or bronze,
9 including banding, ductwork, framing, roofing and siding, flashing, piping and rebar.
 - 10 iii. Clean Fill: Earth, rocks, and gravel.
 - 11 iv. Wood: Clean dimensional wood, wood pallets, engineered wood products including plywood, parti-
12 cleboard, I joist.
 - 13 v. Biodegradable landscaping materials.
 - 14 vi. Cardboard, paper, packaging.
 - 15 vii. Masonry: Brick, ceramic tile, CMU.
 - 16 viii. Roofing: Clay or concrete tiles, asphalt shingles.
 - 17 ix. Gypsum board.
 - 18 x. Acoustic ceiling panels.
 - 19 xi. Carpet and pad.
 - 20 xii. Paint.
 - 21 xiii. Insulation.
 - 22 xiv. Plastics: ABS, PVC
 - 23 xv. Beverage containers
 - 24 xvi. Cardboard.
 - 25 xvii. Concrete
 - 26 xviii. Brick and concrete masonry units (CMU).
 - 27 xix. Metals from banding, stud trim, ductwork, piping, rebar, roofing, other trim, steel, iron, galvanized sheet
28 steel, stainless steel, aluminum, copper, zinc, lead, brass, and bronze.
 - 29 xx. Gypsum wallboard.
 - 30 xxi. Clean dimensional wood
 - 31 xxii. Wood doors
 - 32 xxiii. Acoustical ceiling tiles/panels
 - 33 xxiv. Glass
 - 34 b. Separation and Materials Handling Procedures: How waste materials (as identified above), will be separated,
35 cleaned (if necessary) and protected from contamination.
 - 36 c. Waste Material Estimating Sheet (Appendix A at the end of this Section)
 - 37 d. Proposed Alternatives to Land filling: List each material planned to be salvaged or recycled, quantities, and pro-
38 posed destination.
- 39 6. The contractor shall provide separation, bins for temporary onsite storage, handling, transportation, recycling, sal-
40 vage, and land filling for all demolition and waste materials and keep recycling and waste bins areas neat, clean and
41 clearly marked in order to avoid contamination or mixing materials and maintain logs onsite for each load of materials
42 removed from site.
- 43 7. During the progress of the work, the General Contractor shall report to owner the quantity of each material recycled,
44 reused, or salvaged, and the receiving party. All contractors shall maintain a record of weight tickets, manifests, re-
45 cepts, and invoices for review by owner on request.
- 46 8. At the completion of the project the General Contractor shall submit a final summary of the progress reports, includ-
47 ing the percentage of recycled waste (weight or volume) to the quantity of waste that would have been otherwise
48 land filled.
- 49 9. Contractor is to provide the following documents upon request for payment:
 - 50 a. Waste Materials Estimating Sheet (Appendix A at the end of this Section)
 - 51 b. Landfill Log (Appendix B at the end of this Section)
 - 52 c. Waste Diversion Log (Appendix C at the end of this Section)
 - 53 d. Legible copies of manifests, weight tickets, and receipts. Manifests shall be from recycling and/or disposal site
54 operators that can legally accept the materials for the purpose of reuse, recycling or disposal. These documents
55 shall include the contract number and the job site name.
- 56 10. Examples of documents include, but are not limited to:
 - 57 a. Cover sheet for hazardous materials recycling contract
 - 58 b. Vendor "Pickup Request"
 - 59 c. Vendor "Certificate of Recycling and/or Disposal"
 - 60 d. Vendor invoice
 - 61 e. Maintain at the Project site Landfill Logs and Waste Diversion Logs for each load of materials removed from site.
 - 62 f. Discuss Waste management plans and implementation during all construction-related meetings.
 - 63 g. Immediately Inform the owner if hazardous materials are encountered or suspected, and stop work in the sus-
64 pect area. Do not proceed with work in the suspect area until approved by the owner.
- 65 11. The following resources are provided for information only, to aid the Contractor in managing the construction waste:

- 1 a. The Wisconsin DNR, Bureau of Waste Management <http://www.dnr.state.wi.us/org/aw/wm/>
- 2 b. The UW-Extension's Solid and Hazardous Waste Education Center <http://www1.uwex.edu/ces/shwec/>
- 3 c. WasteCap Wisconsin, Inc. <http://www.wastecapwi.org> or telephone: 414-961-1100 or 608-245-1100
- 4 12. The contractor shall provide summaries of type and amount of material recycled, reused or disposed of. Those sum-
- 5 maries shall include enough information and detail to satisfy requirements by external auditors. At a minimum the
- 6 documentation needs to meet the current LEED requirements and requirements set by the EPA and federal govern-
- 7 ment for federally funded projects. These requirements may or may not be mentioned specifically in this contract and
- 8 the contractor is required to learn about specifics and to add documentation as required by such third party auditors.
- 9

10 **1.22. STAIRS, SCAFFOLDS, HOISTS, ELEVATORS OR CRANES**

- 11 A. The Contractor shall furnish and maintain equipment such as temporary stairs, fixed ladders, ramps, chutes, runways and
- 12 the like as required for proper execution of work by all trades, and shall remove them on completion of the work. The Con-
- 13 tractor shall erect permanent stair framing as soon as possible. Provide stairs with temporary treads, handrails, and shaft
- 14 protection. Contractors requiring scaffolds shall make arrangements with the Contractor, or shall provide their own and
- 15 remove them on completion of the work. The Contractor shall underlay its interior scaffolds with planking to prevent up-
- 16 rights from resting directly on the floor construction.
- 17 B. Contractor shall provide and pay for its own hoist/crane or other apparatus necessary for unloading/setting or moving their
- 18 equipment and materials. Installation and removal of equipment for this activity must be accounted for in the Project
- 19 Schedule. Equipment and operations for this activity shall comply with applicable Department of Commerce and OSHA re-
- 20 quirements. No material hoist may be used to transport personnel unless it meets Department of Commerce and OSHA re-
- 21 quirements for that purpose.
- 22

23 **1.23. SAFEGUARDS - EXISTING EQUIPMENT, UNDERGROUND UTILITIES AND ARTIFACTS**

- 24 A. Existing utilities, including those listed as abandoned, shall not be moved or otherwise disturbed without written verifica-
- 25 tion by the owner that the utility is abandoned.
- 26 B. When altering existing facilities, the Contractor shall take every precaution to preserve and protect existing facilities, both
- 27 those to be altered and those to remain unaltered that are within the limits of the work.
- 28 C. The Contractor shall notify the owner of structural members, piping, conduit, or equipment not indicated for removal that
- 29 may cause interference with the work. Work shall not proceed in the affected area until instructions have been issued. Do
- 30 not drill or penetrate existing structures without prior permission. The removal of existing work shall be by methods that
- 31 will not jeopardize the integrity of structures or systems that are to remain.
- 32 D. Existing utilities, including but not limited to roof drainage systems, underground cables, ducts, roadways, manholes,
- 33 building fire alarm, public address or telecommunications wiring shall not be moved or otherwise disturbed, nor electrical
- 34 circuits or switches operated or taken in or out of service, without prior consent of the owner. Contractor shall compen-
- 35 sate loss to the owner resulting from damage to utilities, facilities and other owner or public items damaged.
- 36 E. Take measures necessary to safeguard all existing work and facilities that are inside and outside the limits of the work or
- 37 items that are within the construction limits but are intended to remain. Report any damage to the owner immediately.
- 38 Correct and pay for all damages.
- 39 F. If bones or artifacts are encountered during digging, the owner requires that the Contractor stop work within a 50-foot
- 40 radius of the find and immediately notify the owner. Work may continue only with approval from the owner.
- 41

42 **1.24. OPERATION AND MAINTENANCE DATA**

- 43 A. All OM documents are to be submitted as electronic copy for review at the time the respective equipment is delivered. No
- 44 hardcopy shall be provided until the OM manuals are approved.
- 45 B. Submit data bound in 8-1/2 x 11 inch (A4) text pages, Use three D side rings if necessary and binders with durable plastic
- 46 covers. Submit all documents in electronic form as well as in hardcopy. Prepare binder cover with printed title
- 47 "OPERATION AND MAINTENANCE INSTRUCTIONS", title of project and subject matter of binder when multiple binders are
- 48 required.
- 49 C. Internally subdivide the binder contents with permanent page dividers, logically organized as described below; with tab
- 50 titling clearly printed under reinforced laminated plastic tabs.
- 51 D. Contents: Prepare a Table of Contents for each volume, with each Product or system description identified, typed on 20-
- 52 pound white paper, in three parts as follows:
- 53 E. Part 1: Directory, listing names, addresses, and telephone numbers of Architect/Engineer, Contractor, subcontractors, and
- 54 major equipment suppliers.
- 55 F. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specification section. For each
- 56 category, identify names, addresses, and telephone numbers of subcontractors and suppliers. Identify the following:
- 57 1. Summary list of maintenance items indicating frequency and type of maintenance required for all systems covered in
- 58 this contract.
- 59 2. List of equipment (including assigned equipment numbers).
- 60 3. A description of recommended replacement parts and materials, which the owner should stock.
- 61 4. Parts list for each component.
- 62 5. A summary of equipment vendors, or location where replacement parts can be purchased.
- 63 6. List indicating types and grades of oil and/or grease, packing materials, normal and abnormal tolerances for devices,
- 64 and method of equipment adjustment.
- 65 7. Copies of all approved submittals.

- 1 8. Operating instructions.
- 2 9. Maintenance instructions for equipment and systems, Preventive maintenance recommendations.
- 3 10. Maintenance instructions for finishes, including recommended cleaning methods and materials, and special precau-
- 4 tions identifying detrimental agents.
- 5 11. Manufacturer's wiring diagrams for electrically powered equipment.
- 6 12. A complete set of record control drawings.
 - 7 a. Copies of all checkout tests and calibrations performed by the Contractor (not commissioning tests).
 - 8 b. The manual shall be organized and subdivided with permanently labeled tabs for each of the following data
 - 9 in the given order:
 - 10 i. Sequences of operation including points and schematics of operations
 - 11 ii. Control drawings
 - 12 iii. Points lists
 - 13 iv. Controller / module data
 - 14 v. Maintenance instructions, including sensor calibration requirements and methods by sensor type
 - 15 vi. Thermostats and timers
 - 16 vii. Sensors and DP switches
 - 17 viii. Valves and valve actuators
 - 18 ix. Dampers and damper actuators
 - 19 x. Program setups (software program printouts)
 - 20 13. Additional information as indicated in the technical specification sections
- 21 G. Part 3: Project documents and certificates, including the following:
 - 22 1. Product data.
 - 23 2. Air and water balance reports.
 - 24 3. Certificates.
 - 25 4. Photocopies of warranties.
 - 26 5. Name, address, and telephone number of the person or office to contact for service during the warranty period.
 - 27 6. Name, address, and telephone number of the person or service organization to be contacted for service after the
 - 28 warranty period.
- 29 H. Submit all O&M manuals in original electronic form (PDF). Scanned copies are not acceptable. PDF need to be of high qual-
- 30 ity and searchable.
- 31 I. Submit 1 draft copy of completed volumes 15 [fifteen] days after approval of applicable submittal or receipt of the prod-
- 32 uct. Revise content of all document sets as required prior to final submission. Submit 2 [two] sets of revised final volumes,
- 33 within 10 [ten] days after final inspection.

34 1.25. ACCESS PANELS AND DOORS

- 35 A. All serviceable and replaceable devices, including but not limited to valves, boxes, and dampers shall receive an access at a
- 36 location and in a size that enables proper servicing and repair of the device without removal of other material. Sizes de-
- 37 scribed are minimum sizes and might be increased if the type and size of device requires it. Install all piping, conduit,
- 38 ductwork, and accessories to permit access to equipment for maintenance. Coordinate the exact location of wall and ceil-
- 39 ing access panels and doors with the owner making sure that access is available for all equipment and specialties. Relocate
- 40 access panel or door if equipment is not properly accessible to perform all maintenance and repair at no cost to the own-
- 41 er. Minimum size is 12" by 12". Use "Cendrex" products or approved equal.
- 42 B. LAY-IN CEILINGS: if 2 X 2 foot is not sufficient for access (i.e. VAV boxes require larger access), the grid shall be arranged in
- 43 a manner to allow easy removal of grid sections.

44 1.26. LOOSE AND DETACHABLE PARTS

- 45 A. Contractor shall retain all loose and small detachable parts of apparatus and equipment furnished under this Contract,
- 46 until completion of the work and shall turn them over to the owner to receive them.
- 47 B. Furnish one can of touch-up paint for each different color factory finish furnished by the Contractor. Deliver touch-up
- 48 paint with other "loose and detachable parts".

49 PART 2 – PRODUCTS

50 2.1. SPECIFIED ITEMS - SUBSTITUTES

- 51 A. Wherever catalog numbers and specific or trade names are used in conjunction with a designated material, product, item,
- 52 or service mentioned in these Specifications, they are used to establish the standards of quality, utility, and appearance
- 53 required. Substitutions will be approved, subject to the following provisions:
 - 54 a. Contractors or manufacturers may request listing of their product in the bid documents up to 10 calendar days prior
 - 55 bid due date. All requests must be accompanied by sufficient information to judge its suitability for this project.
 - 56 b. Owner may reject any substitute request without providing specific reasons.
 - 57 c. Owner may accept substitution requests after contract award, but reserves the right to refuse review or acceptance
 - 58 of any requests without providing specific reasons.
 - 59 d. All Substitutions must be accepted by the owner in writing. The owner will accept, in writing, such proposed substi-
 - 60 tutions as are in his or her opinion, equal in quality, utility, and appearance to the items or materials specified. Such
 - 61 acceptance shall not relieve the Contractor from complying with the requirements of the drawings and specifica-
 - 62 tions.
 - 63
 - 64
 - 65

- 1 tions, and the Contractor shall be responsible at Contractor's own expense for any changes resulting from Contractor
2 proposed substitutions which affect the other parts of Contractor's own work or the work of others.
3 e. The manufacturer shall be a company specializing in the manufacture of the specified equipment and accessories
4 with minimum five years documented experience.
5 f. Failure of the Contractor to submit proposed substitutions for approval in the manner described above and within
6 the time prescribed shall be sufficient cause for disapproval by owner of any substitutions otherwise proposed.
7 B. Specifications may mention other manufacturers than the specific device specified. Those are manufacturers that in gen-
8 eral are acceptable, but may not have a product for this specific project. Those manufacturers still may be rejected without
9 providing specific reasons. The bidder only can rely on using items specifically mentioned in the contract documents.

10 2.2. APPROVED TESTING LABORATORIES

- 11 A. The following laboratories are approved for providing electrical product safety testing and listing services as required in
12 these specifications:
13 1. Underwriters Laboratories Inc.
14 2. Electrical Testing Laboratories, Inc.
15

16 2.3. HAZARDOUS SUBSTANCES

- 17 A. The Subcontractor shall submit to the Project Representative, for review by the EH&S Division, any proposed procurement,
18 stocking, installing, or other use of materials containing asbestos, cadmium, chromates, or lead.
19 B. All materials and applications shall comply with requirements of any and all Districts Regulations, including, but not limited
20 to architectural coatings, general solvent and surface coatings, solvent cleaning operations, adhesive and sealants, visible
21 emissions, and asbestos.
22 C. Contractor shall keep and maintain proof of compliance with the above-referenced regulations, including any recordkeep-
23 ing obligations, for a period of two years after completion of the project. Contractor shall make such documents or evi-
24 dence available if so requested by owner.
25 D. No materials outlawed in any of the 50 US states are to be used. Only equipment and material legal in all 50 states is to be
26 used. All Federal, state, county and local codes and ordinances regarding are to be considered deciding if a piece of equip-
27 ment or material is to be used.
28 E. The contractor assumes responsibility for proper removal, collection and storage of hazardous substances on site and dis-
29 posal of those if hazardous substances were known to be present and pointed out in these specifications or on the plans. If
30 hazardous substances are not known to be present and are found, the owner assumes responsibility for additional cost due
31 to removal, collection and storage on site. All hazardous substances are to be disposed in accordance with all federal, state
32 and local laws, codes and regulations. It is the contractor's responsibility to recognize typical hazardous substances not
33 known to be present. This includes all substances that were used in buildings of that type in the period since original con-
34 struction.
35 F. Contractor will assume that all electronic components, machinery, refrigeration devices and other common devices contain
36 hazardous substances and include disposal of such in bid price, even if those substances are not mentioned separately. If
37 special tests are necessary the owner assumes responsibility for such.
38 G. ASBESTOS:
39 1. Contractor's attention is directed to WAC NR 447, WAC HSS 159 and the Occupational Safety and Health Act (OSHA) in
40 general, part 1926.1101--ASBESTOS in particular. Contractor is responsible for compliance with all applicable regula-
41 tions when the work includes fastening to or coring through Asbestos Containing Materials (ACM) and disturbance of
42 asbestos containing caulking and mastics. Unless otherwise indicated, all caulking, sealants, glazing compounds, gas-
43 kets, asphalt roofing materials and miscellaneous adhesives are assumed to contain asbestos and are considered to be
44 Category I non-friable ACM as defined in NR 447. Waste material containing Category I non-friable ACM, is regulated as
45 Construction and Demolition (C&D) waste and may be disposed of at a Department of Natural Resources (DNR) ap-
46 proved C&D waste landfill. If Contractor's work methods cause non-friable ACM to become friable, the Contractor is
47 responsible for the disposal of the friable asbestos waste at a landfill specifically approved by DNR to accept friable as-
48 bestos. A copy of the signed waste manifest for the disposal of all friable asbestos waste shall be provided to owner
49 prior to request for final payment.
50 2. The regulations referenced above require removal of friable ACM and Category II non-friable ACM prior to demolition
51 of a building. Category I non-friable ACM does not need to be removed from a building prior to demolition if the waste
52 generated from the demolition is taken to a DNR approved C & D waste landfill. If the contractor chooses to recycle
53 building materials from a building to be demolished, the contractor is responsible for removal and disposal of all Cate-
54 gory I non-friable ACM in accordance with applicable regulations prior to demolition. If the contractor's demolition
55 methods will cause non-friable ACM to become friable, the contractor is responsible for removal and disposal of all Cat-
56 egorY I non-friable ACM in accordance with applicable regulations prior to demolition.
57 3. The asbestos abatement contractor will require sole occupancy of the workspace during asbestos abatement work.
58 Contractor shall communicate with the asbestos abatement contractor and make adequate allowance for the asbestos
59 abatement work in the work schedule
60 H. LEAD BASED PAINT: Conform with OSHA and EPA recommended worker safety requirements when removing lead based
61 paint or material bearing lead based paint or material contaminated with lead by the demolition process. Contractor's at-
62 tention is directed to the Occupational Safety and Health Act (OSHA) in general and particularly to 29 CFR 1910 (LEAD
63 STANDARD) and to CFR 1926 (LEAD EXPOSURE IN THE CONSTRUCTION INDUSTRY). For OSHA compliance and regulation in-
64 terpretations, contractors may contact the area OSHA office for this project. [Milwaukee, telephone (414) 297-3315; Ap-
65

1 pleton, telephone (414) 734-4521; Eau Claire, telephone (715) 832-9019]. Dispose of refuse containing lead based paint or
2 contaminated with lead by the demolition process in conformance with State of Wisconsin Hazardous Waste Regulations
3 set forth by the Department of Natural Resources and in conformance with OSHA and EPA recommended worker safety re-
4 quirements.

- 5 I. PCB'S: Contractor shall assume all ballasts and transformers not specifically labelled as "no PCB" type to contain PCB and to
6 dispose properly meeting all regulatory requirements
- 7 J. MERCURY-CONTAINING DEVICES: Mercury containing devices are accumulated in our facilities for eventual recycling
8 through a contracted vendor. These devices include certain building controls and switches, thermometers, and lamps.
9 Lamps are stored in accordance with Environmental Protection Agency universal waste regulation 40 CFR part 273 including
10 storing them in containers with labels describing the contents and the start date of accumulation.
- 11 K. PAINT AND RELATED PRODUCTS: The oil-based paints are disposed of as hazardous waste
- 12 L. USED APPLIANCES AND BUILDING EQUIPMENT: Used appliances include microwaves, refrigerators, and ice machines.
13 Smaller pieces of building equipment include items such as water heaters and variable-drive motors. All of these items are
14 recycled by a contracted vendor at eh contractor's expense.
- 15 M. VOC: Volatile Organic Compounds in materials shall be limited to these maximum values:
 - 16 1. Adhesives and Sealants:
 - 17 2. Wood Glues: 30 g/L.
 - 18 3. Metal-to-Metal Adhesives: 30 g/L.
 - 19 4. Adhesives for Porous Materials (Except Wood): 50 g/L.
 - 20 5. Subfloor Adhesives: 50 g/L.
 - 21 6. Plastic Foam Adhesives: 50 g/L.
 - 22 7. Carpet Adhesives: 50 g/L.
 - 23 8. Carpet Pad Adhesives: 50 g/L.
 - 24 9. VCT and Asphalt Tile Adhesives: 50 g/L.
 - 25 10. Cove Base Adhesives: 50 g/L.
 - 26 11. Gypsum Board and Panel Adhesives: 50 g/L.
 - 27 12. Rubber Floor Adhesives: 60 g/L.
 - 28 13. Ceramic Tile Adhesives: 65 g/L.
 - 29 14. Multipurpose Construction Adhesives: 70 g/L.
 - 30 15. Fiberglass Adhesives: 80 g/L.
 - 31 16. Contact Adhesive: 80 g/L.
 - 32 17. Structural Glazing Adhesives: 100 g/L.
 - 33 18. Wood Flooring Adhesive: 100 g/L.
 - 34 19. Structural Wood Member Adhesive: 140 g/L.
 - 35 20. Single-Ply Roof Membrane Adhesive: 250 g/L.
 - 36 21. Special Purpose Contact Adhesive (contact adhesive that is used to bond melamine covered board, metal, unsupported
37 vinyl, rubber, or wood veneer 1/16 inch or less in thickness to any surface): 250 g/L.
 - 38 22. Top and Trim Adhesive: 250 g/L.
 - 39 23. Plastic Cement Welding Compounds: 250 g/L.
 - 40 24. ABS Welding Compounds: 325 g/L.
 - 41 25. CPVC Welding Compounds: 490 g/L.
 - 42 26. PVC Welding Compounds: 510 g/L.
 - 43 27. Adhesive Primer for Plastic: 550 g/L.
 - 44 28. Sheet Applied Rubber Lining Adhesive: 850 g/L.
 - 45 29. Aerosol Adhesive, General Purpose Mist Spray: 65 percent by weight.
 - 46 30. Aerosol Adhesive, General Purpose Web Spray: 55 percent by weight.
 - 47 31. Special Purpose Aerosol Adhesive (All Types): 70 percent by weight.
 - 48 32. Other Adhesives: 250 g/L.
 - 49 33. Architectural Sealants: 250 g/L.
 - 50 34. Non-membrane Roof Sealants: 300 g/L.
 - 51 35. Single-Ply Roof Membrane Sealants: 450 g/L.
 - 52 36. Other Sealants: 420 g/L.
 - 53 37. Sealant Primers for Nonporous Substrates: 250 g/L.
 - 54 38. Sealant Primers for Porous Substrates: 775 g/L.
 - 55 39. Modified Bituminous Sealant Primers: 500 g/L.
 - 56 40. Other Sealant Primers: 750 g/L.
 - 57 41. Inside Paints and Coatings:
 - 58 42. Flat Paints, Coatings, and Primers: VOC not more than 50 g/L.
 - 59 43. Nonflat Paints and Coatings: VOC not more than 150 g/L.
 - 60 44. Dry-Fog Coatings: VOC not more than 400 g/L.
 - 61 45. Primers, Sealers, and Undercoaters: VOC not more than 200 g/L.
 - 62 46. Anticorrosive and Antirust Paints applied to Ferrous Metals: VOC not more than 250 g/L.
 - 63 47. Zinc-Rich Industrial Maintenance Primers: VOC not more than 340 g/L.
 - 64 48. Pretreatment Wash Primers: VOC not more than 420 g/L.
 - 65 49. Clear Wood Finishes, Varnishes: VOC not 1 more than 350 g/L.

- 1 50. Clear Wood Finishes, Lacquers: VOC not more than 550 g/L.
- 2 51. Floor Coatings: VOC not more than 100 g/L.
- 3 52. Shellacs, Clear: VOC not more than 730 g/L.
- 4 53. Shellacs, Pigmented: VOC not more than 550 g/L.
- 5 54. Stains: VOC not more than 250 g/L.

6
7 **2.4. BARRICADES, SIGNS, WARNING DEVICES, AND TEMPORARY PLASTIC BARRIERS**

- 8 A. Traffic barricades, traffic signs, and warning devices shall meet the requirements of applicable OSHA standards and the FHA
- 9 Manual of Uniform Traffic Control Devices (MUTCD).
- 10 B. UV stabilized high-density polyethylene barrier fence free of holes tears and other defects. Provide 4' tall fence in diamond
- 11 or rectangular pattern. Fencing shall be "safety orange" color, unless otherwise noted.
- 12 C. Posts for temporary plastic barrier fencing shall be 5' tall, minimum 12 gauge, painted metal posts.

13
14 **2.5. SEALING AND FIRESTOPPING**

- 15 A. Manufacturers: 3M, Hilti, Rectorseal, STI/SpecSeal, Tremco, or approved equal.
- 16 B. All firestopping systems shall be provided by the same manufacturer and shall be UL listed.
- 17 C. Submittals: Contractor shall submit product data for each firestop system. Submittals shall include product characteristics,
- 18 performance and limitation criteria, test data, MSDS sheets, installation details and procedures for each method of instal-
- 19 lation applicable to this project. For non-standard conditions where no UL tested system exists, submit manufacturer's
- 20 drawings for UL system with known performance for which an engineering judgment can be based upon.
- 21 D. Use a product that has a rating not less than the rating of the wall or floor being penetrated.
- 22 E. Contractor shall use firestop putty, caulk sealant, intumescent wrapstrips, intumescent firestop collars, firestop blocks,
- 23 firestop mortar or a combination of these products to provide a UL listed system for each application required for this pro-
- 24 ject. Provide mineral wool backing where specified in manufacturer's application detail.
- 25 F. Where shown or specified, pack annular space with fiberglass batt insulation or mineral wool insulation. Provide 4" sheet
- 26 metal escutcheon around duct on both sides of partition or floor to cover annular space.
- 27 G. Install approved product in accordance with the manufacturer's instructions where an installation penetrates a fire/smoke
- 28 rated surface. When pipe is insulated, use a product, which maintains the integrity of the insulation and vapor barrier.
- 29 H. Whenever possible, avoid penetrations of fire and smoke rated partitions. When they cannot be avoided, verify that suffi-
- 30 cient space is available for the penetration to be effectively fire and smoke stopped.

31
32 **PART 3 – EXECUTION**

33
34 **3.1. PROJECT MEETINGS**

- 35 A. Project meetings will be held at the time designated by the owner. If the principal of the firm does not attend meetings, a
- 36 responsible representative of the Contractor who can bind the Contractor to a decision at the meetings shall attend. The
- 37 contractor will write a report covering all items discussed and decisions reached and copy of such report distributed to all
- 38 parties involved within 3 business days. All contractors, sub-contractors and other related parties shall attend. Attendance
- 39 especially is required if such contractor is scheduled to perform work within the next 6 weeks.
- 40 B. PRE-CONSTRUCTION MEETING: Owner, design representatives and all contractor and sub-contractor representatives at-
- 41 tend.
- 42 C. PRE-INSTALLATION MEETING: prior installation, layout or other activities related to major systems, separate meetings will
- 43 be held to ensure proper coordination. These meetings will be initiated by the contractor. Not initiating these meetings
- 44 doesn't relieve the contractor from coordination responsibilities. The owner may set up such meetings as needed

45
46 **3.2. CONTINUITY OF SERVICE, TRAFFIC, SHUTDOWN AND ACCESS**

- 47 A. BUILDING ACCESS: **The Parks Department shall provide snow removal to the facility to allow the contractor access to the**
- 48 **building and parking lot.** Unless otherwise shown or directed, maintain existing access and egress to the facility throughout
- 49 construction. Do not interrupt access and egress without prior written approval by owner.

50
51 **3.3. DEMOLITION**

- 52 A. Perform all demolition as indicated on the drawings to accomplish new work. Demolition Drawings are based on casual
- 53 field observation and/or existing record documents. Verify field measurements and circuiting arrangements as shown on
- 54 Drawings, verify that abandoned wiring, piping, ducting and equipment serve only abandoned facilities. Report discrepan-
- 55 cies to the owner before disturbing existing installation. Beginning of demolition means installer accepts existing condi-
- 56 tions.
- 57 B. Demolition all abandoned services and devices in areas affected by this contract, even if not shown on plans. This includes
- 58 but is not limited to wiring, conduits, piping, and equipment.
- 59 C. Before demolition of any load bearing concrete a ground-penetrating radar or concrete X-ray scan needs to be performed
- 60 to detect any rebar, conduit or other damageable items. This work shall be performed at least a week before demolition
- 61 starts to give A/E the opportunity to resolve any issues by rebar or other obstacles in unexpected locations. Drawings with
- 62 existing subsurface obstacles may not be correct and shall not be relied on.
- 63 D. Where pipe or duct is removed and not reconnected with new work, cap ends of existing services as if they were new
- 64 work. Coordinate work with owner to minimize disruption to the existing building occupants.

- 1 E. All pipe, wiring and associated conduit, insulation, ductwork, and similar items demolished, abandoned, or deactivated are
2 to be removed from the site by the Contractor. Maintain the condition of material and/or equipment that is indicated to
3 be reused equal to that existing before work began.
- 4 F. Patch holes and openings caused by removal of material and equipment, or formerly covered by such, with like material
5 and texture of surrounding surface. Paint to match surroundings.
- 6 G. Disconnect all services in a manner which allows for future connection to that service. Disconnect services to equipment at
7 unions, flanges, valves, or fittings wherever possible.
- 8 H. Approval of all Jurisdictions Having Authority shall be obtained prior to disposal of any equipment and materials. All dis-
9 posal has to be in compliance with all local, county, state and nationwide regulations.
- 10 I. All disconnected wiring shall be removed from all raceway systems, panels, enclosures pull boxes, junction boxes etc. irre-
11 spective of whether the removal is specified in the construction documents or not. The empty raceway systems shall be
12 tagged spare on both ends of each termination.
- 13 J. Don't demolition or damage equipment and material that is to stay in place. Replace and repair any equipment and instal-
14 lations that get damaged during demolition. The Contractor shall restore all disturbed areas in accordance with the draw-
15 ings and specifications. If plans and specifications do not address restoration of specific areas, these areas will be restored
16 to pre-construction conditions as approved by owner.
- 17 K. Verify the locations of, and protect, any buildings, structures, utilities, paved surfaces, signs, streetlights, utilities, landscap-
18 ing and all other such facilities that are intended to remain or be salvaged. Make such explorations and probes as neces-
19 sary to ascertain any required protection measures that shall be used before proceeding with demolition.
- 20 L. Provide and maintain adequate catch platforms, warning lights, barricades, guards, weather protection, dust protection,
21 fences, planking, bracing, shoring, piling, signs, and other items required for proper protection.
- 22 M. Report damage of any facilities or items scheduled for salvaging to owner.
- 23 N. Explosives shall not be used for demolition.
- 24 O. Remove all equipment, fixtures and other materials scheduled for salvage prior to beginning demolition operations.
- 25 P. Abandon gas, electric and communication utilities in accordance with local utility company requirements, or applicable
26 substantive requirements if considered private.
- 27 Q. Carry out vehicle loading as necessary within the project boundaries or as defined or indicated on the drawings, but not in
28 locations that block vehicular traffic on the streets or pedestrian traffic on adjacent public walks.
- 29 R. Dismantle each structure in an orderly manner to provide complete stability of the structure at all times. Provide bracing
30 and shoring where necessary to avoid premature collapse of structure.
- 31 S. Conduct demolition operations and the removal of rubbish and debris in such a way that a minimum of nuisance dust is
32 caused. Constantly sprinkle rubbish and debris with water if necessary to keep nuisance dust to a minimum.
- 33 T. Where necessary to prevent collapse of any construction, install temporary shores, underpinning, struts or bracing. Do not
34 commence demolition work until all temporary construction is complete.
- 35 U. During the execution of the work, provide, operate, and maintain all pumping equipment, suction and discharge lines in a
36 number of capacity as required to keep all cellars and pits free of water from any source whatsoever at all times.
- 37 V. Masonry and concrete shall be demolished in small sections. Use braces and shores as necessary to support the structure
38 of the building or structure and protect it from damage. Where limits of demolition are exposed in the finished work, cut-
39 ting shall be made with saws, providing an absolutely straight line, plumb, true and square.
- 40 W. Operate equipment so as to cause a minimum of damage to plaster which is to remain, and so as to keep dust and dirt to a
41 minimum.
- 42 X. BUILDING DEMOLITION:
- 43 1. Proceed with demolition in a systematic manner, from top of structure to ground. Complete demolition work above
44 each floor or tier before disturbing supporting members on lower levels.
- 45 2. Neatly saw or cut joints at the limits of removal; whenever possible, locate cuts at existing joints.
- 46 3. Cut existing plaster with power saws equipped with plaster cutting blades and dust collection system.
- 47 4. Patch or repair any damaged surfaces or structural members at the limits of removal.
- 48 5. Remove structural framing members and lower to ground by hoists, derricks or other suitable means.
- 49 6. Remove all existing flooring in accordance with plans. Leave exposed existing sub flooring or surface in suitable con-
50 dition for receiving new finished flooring.
- 51 7. Locate demolition equipment and remove structure so as to not impose excessive loads to supporting walls, floors or
52 framing.
- 53 8. Break up and remove concrete slabs-on-grade, unless otherwise shown to remain.

54 3.4. TEMPORARY CONSTRUCTION

- 56 A. Temporary construction shall conform to all requirements and laws of state and local authorities, which pertain to opera-
57 tion, safety, and fire hazards. Contractor shall furnish and install all items necessary for conformance with such require-
58 ments, whether called for under separate sections of these Specifications or not. Contractor shall provide, maintain, and
59 remove upon completion of his work:
- 60 B. The window replacement contractor shall provide temporary tenting and heating to the exterior work space of the building
61 when exterior portions are opened up for extended periods of more than one day. Tenting shall be constructed to minimize
62 heat loss and air infiltration. It shall be the responsibility of the Contractor to see that every precaution is used to prevent
63 unnecessary escape of heat.
- 64 C. TEMPORARY LIGHTING: shall be supplied and maintained by the Contractor so that construction work can be safely per-
65 formed. The temporary lighting system shall be sufficient to enable all trades to safely complete their work and to enable

owner to check all work as it is being done. Illumination shall be 5 foot-candles minimum in all areas and, in addition, shall meet or exceed the requirements of 29 CFR 1926.56 Illumination (OSHA regulations) or be higher if the type of work requires more lighting for quality control. All temporary electrical circuits for construction purposes shall be equipped with combination ground fault interrupter and circuit breakers meeting the requirements of UL for Class A, Group 1 devices.

D. TEMPORARY HEATING

1. The window replacement contractor shall be responsible for providing necessary heating equipment to maintain the temperature of the exterior building wall in order to provide adequate sustained air temperatures per the manufacturer instructions in order to provide proper drying or curing of paints and sealants. The City shall provide and pay for the gas for this heating. Temporary connections may be made to the existing gas lines located in the Mechanical Room in the basement. The contractor is responsible for providing the proper trades for the installation of the temporary gas lines and heating equipment. All portable temporary heating units shall be properly ventilated to prevent combustion gases from remaining in the heating area. Heating equipment shall be able to provide automatic control of space temperatures. Temperatures must be checked during nighttime and on weekends. Restitution shall be made by Contractor responsible for damage to building and contents caused by overheating, freezing, fumes, soot or residue given off by temporary heating or lack of thereof.
2. Permanent heating system may be used for temporary heating at owners discretion. Warranty period may not be affected by use of permanent heating. Temporary filters shall be used in the permanent system. If the permanent heating system appears to be dirty after use, owner may require cleaning at contractor's expense.

3.5. INSTALLATION

- A. Install in accordance with manufacturer's instructions and all code requirements. Provide the owner with copy of manufacturer's instructions prior to installation. Coordinate equipment location with piping, ductwork, conduit and equipment of other trades to allow sufficient clearances. Locate equipment to provide access space for servicing all components. Install in accordance with recognized industry practices. The manufacturer's latest recommendations shall be used. It is Contractor's responsibility to enforce these requirements with all the Contractors. The Contractor shall be responsible for correcting any infringement on this requirement at no cost to owner.
- B. Startup and test equipment and adjust operating and safety controls for proper operation.
- C. Contractor shall coordinate work with existing equipment so that all systems, equipment and other components will fit the available space, and will allow proper service and repair. Each location needs to be approved by owner. This also applies to existing equipment if newly installed equipment interferes with its accessibility. Location of equipment has to fit into existing panels, decoration or finish. Owner can request position changes of equipment before the work has begun.
- D. The Contractor shall cooperate in reducing objectionable noise or vibration. If noise or vibration is a result of improper material or installation, these conditions shall be corrected at no cost to owner. Abnormal buzzing in equipment is not acceptable.
- E. Provide carpentry, cutting, patching, and core drilling required for installation of material and equipment.
- F. **WATERPROOF CONSTRUCTION:** Maintain waterproof integrity of penetrations of materials intended to be waterproof. Provide flashings at exterior roof penetrations. Caulk penetrations of foundation walls and floors watertight. Provide membrane clamps at penetrations of waterproof membranes.
- G. **PAINTING OF EQUIPMENT AND HARDWARE:** Provide moisture resistant paint for all exterior painting. Colors shall be as shown on the drawings unless specified. All exposed conduits, raceways and gutters inside (finished spaces) and outside the building shall be painted to match the wall color.
- H. Lubricate all bearings with lubricant as recommended by the manufacturer before the equipment is operated for any reason. Once the equipment has been run, maintain lubrication in accordance with the manufacturer's instructions until the work is accepted by owner. Maintain a log of all lubricants used and frequency of lubrication; include this information in the Operating and Maintenance Manuals at the completion of the project.

3.6. DELIVERY, STORAGE AND HANDLING OF MATERIALS

- A. Contractor must be present to accept delivery of all equipment and material shipments. Owner will not knowingly accept, unload or store anything delivered to the site for the Contractor's use without prior coordination. Inadvertent acceptance of delivered items by owner shall not constitute acceptance or responsibility for any of the materials or equipment. It is the Contractor's responsibility to assume liability for equipment or material delivered to the job site.
- B. Comply with manufacturer's ordering instructions and lead-time requirements to avoid construction delays. Materials and equipment shall be delivered to the site in adequate time to ensure uninterrupted progress of the work and inspection of material by owner. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact. Packaged units shall be delivered in their original crates.
- C. Store in a clean and dry space. Maintain factory wrapping or provide an additional heavy canvas or heavy plastic cover to protect units from dirt, water, construction debris, and traffic. Promptly inspect shipments to insure that the material is undamaged and complies with specifications. Materials or equipment, which do not conform to the Specifications or are damaged shall not be incorporated in the work and shall be immediately removed from the site.
- D. Arrange for the necessary openings in the building to allow for admittance of all apparatus. When the building access was not previously arranged and must be provided by this Contractor, restore any opening to its original condition after the apparatus has been brought into the building.
- E. Contractor shall confine equipment, apparatus, storage of materials and operations to limits indicated on the drawings or by specific direction of owner. Storage of materials within the building shall at no time exceed the design carrying capacity of the structural system. The Contractor assumes full responsibility for damage due to the storage of materials.

- 1 F. Material shall be stored according to manufacturer's recommendations as a minimum. Provide and maintain watertight
2 storage sheds on the premises where directed, for storage of materials that might be damaged by weather. Sheds shall
3 have wood floors raised at least 6" above the ground. Materials, construction sheds, and earth stockpiles shall be located so
4 as not to interfere with the installation of the utilities nor cause damage to existing lines. Should it be necessary at any time
5 to move material sheds or storage platforms, the Contractor shall move it at the Contractor's expense, when directed by
6 owner.
- 7 G. If necessary, material will be stored off site at the Contractor's expense. Offsite storage agreements will not relieve the
8 Contractor from using proper storage techniques. Storage and protection methods must allow inspection to verify prod-
9 ucts.
- 10 H. All materials shall be stored in a manner that prevents release of hazardous material to the environment. All hazardous
11 materials, including motor fuels, shall be properly handled and contained to prevent spills or other releases. The Contractor
12 shall develop and maintain a contingency plan to provide emergency response, containment, and cleanup of spills of haz-
13 arduous materials resulting from contract activities. All spills and releases shall be reported to owner immediately
14

15 **3.7. CONCRETE WORK**

- 16 A. Provide all layout drawings, anchor bolts, metal shapes, and/or templates required to be cast into concrete or used to form
17 concrete for support or installation of electrical, mechanical, plumbing piping, fixtures, specialties and equipment. This in-
18 cludes but is not limited to piping thrust restraints, pipe supports, hydrant supports, manholes, catch basins, grease traps,
19 septic tanks, distribution boxes, valve pits, meter pits, cleanout cover pads, yard hydrant pads, etc. Coordinate locations of
20 equipment, pipe penetrations in wet areas, etc. with other trades.
- 21 B. Unless noted otherwise provide cast in place concrete for equipment pads, manhole bases and thrust blocks. Concrete to
22 be 3,000 psi at 28 days, 3/4 inch aggregate, five bags cement, three inch slump, air entraining admixture. The ACI 614 Rec-
23 ommended Practice for Measuring, Mixing and Placing of Concrete shall constitute the execution requirements.
24

25 **3.8. OPENINGS, SLEEVES, CUTTING, STRUCTURAL ATTACHMENT, PATCHING AND PAINTING**

- 26 A. Before any drilling, cutting or other type of opening the contractor shall verify that no conduits, wires, pipes or other items
27 are in or near opening area. X-ray or ground-penetrating radar technology shall be employed to survey ceilings, slabs or
28 walls when potentially damaging opening techniques are employed. Existing available data and records may not be accu-
29 rate regarding exact location of structural steel, pipes or conduit.
- 30 B. Openings shall be the responsibility of the Contractor requiring the openings even if such openings are not shown on draw-
31 ings. The Contractor shall install sleeves for all openings and shall submit to the owner for review and approval, layout
32 drawings of all such required sleeves and/or openings. Sleeve and opening sizes and locations shall be dimensioned from
33 column lines and floor elevations or from a point of reference approved by owner.
- 34 C. All openings shall be made as airtight, watertight, fireproof, smoke-tight, thermally insulated as the wall they are in. Patch
35 wall around sleeve to match adjacent wall construction and finish. In finished spaces where penetration through wall is ex-
36 posed to view, sheet metal sleeve shall be installed flush with face of wall. Grout area around sleeve in masonry construc-
37 tion. Patching includes repairing openings to match adjacent construction and painting the surface to match existing sur-
38 face including texture.
- 39 D. For floor pipe and duct penetrations through floors in mechanical rooms and wet locations (all rooms with water tap or
40 connection, Parking ramps, kitchens, food service areas, pumping stations, swimming pools, chemical storage, storage of
41 liquids or locations that can get wet by accident or failure of a component etc.), core drill opening and provide 1-1/2"x 1-
42 1/2" x 1/8" galvanized steel angles fastened to floor surrounding the penetration or group of penetrations to prevent water
43 from getting to penetration. Provide urethane caulk between angles and floor and fasten angles to floor minimum 8" on
44 center. Seal corners water tight with urethane caulk. Or, core drill sleeve opening large enough to insert schedule 40
45 sleeve and grout area around sleeve with hydraulic setting, non-shrink grout. If the pipe penetrating the sleeve is support-
46 ed by a pipe clamp resting on the sleeve, weld a collar or struts to the sleeve that will transfer weight to existing floor struc-
47 ture. Size sleeve to allow insulation and paint the sleeve.
- 48 E. PIPE SLEEVES:
- 49 1. Provide galvanized sheet metal sleeves for pipe penetrations through interior and exterior walls to provide a backing for
50 sealant or firestopping. Pipe sleeves in new poured concrete construction shall be schedule 40 steel pipe (sized to allow
51 insulated pipe to run through sleeve), cast in place.
- 52 2. Pipe sleeves are not required in interior non-rated drywall, plaster or wood partitions and sleeves are not required in
53 existing poured concrete walls where penetrations are core drilled.
- 54 3. Pipe sleeves in new poured concrete construction shall be schedule 40 steel pipe (sized to allow insulated pipe to run
55 through sleeve), cast in place.
- 56 4. Extend the top of sleeve 2 inch above the adjacent floor in piping floor penetrations located in the mechanical rooms
57 and wet locations listed below. In finished areas sleeves shall be flush with rough floor.
- 58 F. DUCT SLEEVES:
- 59 1. Duct sleeves are not required in non-rated partitions or floors.
- 60 2. Provide sleeve required for fire dampers in fire-rated partitions and floors.
- 61 G. NON-RATED PENETRATIONS:
- 62 1. Conduit Penetrations Through Below Grade Walls: In exterior wall openings below grade, use a modular mechanical
63 type seal consisting of interlocking synthetic rubber links shaped to continuously fill the annular space between the un-
64 insulated conduit and the cored opening or a water-stop type wall sleeve.

- 1 2. Conduit and Cable Tray Penetrations: At conduit and cable tray penetrations of non-rated interior partitions, floors and
- 2 exterior walls above grade, use urethane caulk in annular space between conduit and sleeve, or the core-drilled open-
- 3 ing.
- 4 3. In exterior wall openings below grade, assemble rubber links of mechanical seal to the proper size for the pipe and
- 5 tighten in place, in accordance with manufacturer's instructions.
- 6 H. Do not pierce beams or columns without owner's permission and then only as directed in writing.
- 7 I. No devices or materials shall be attached to non-structural or structural members or parts of the building without approval
- 8 by owner. All items shall be attached to structurally stable building parts only. Provide all supporting devices as required for
- 9 the installation of mechanical equipment and materials. All supports and installation procedures are to conform to the lat-
- 10 est requirements of the ANSI Code for building piping. Do not hang any mechanical item directly from a metal deck or run
- 11 piping so its rests on the bottom chord of any truss or joist. Fasteners depending on soft lead for holding power or requiring
- 12 powder actuation will not be accepted. Support apparatus and material under all conditions of operation, variations in in-
- 13 stalled and operating weight of equipment and piping, to prevent excess stress, and allow for proper expansion and con-
- 14 traction.
- 15 J. Provide all supporting steel required for the installation of mechanical equipment and materials, including angles, channels,
- 16 beams, etc. to suspended or floor supported tanks and equipment. All of this steel may not be specifically indicated on the
- 17 drawings.
- 18

19 3.9. IDENTIFICATION

- 20 A. Label all conductors, receptacles and electrical panels. Size shall be appropriate for the conductor or cable size(s), outlet
- 21 faceplate layout and patch panel design. All labels shall be self-laminating, white/transparent vinyl and be wrapped around
- 22 the cable or sheath. Flag type labels are not allowed. The labels shall be of adequate size to accommodate the circumfer-
- 23 ence of the cable being labeled and properly self-laminate over the full extent of the printed area of the label.
- 24

25 3.10. TRAINING AND DEMONSTRATION

- 26 A. Not Applicable.
- 27

28 3.11. TESTS, PUNCH LIST AND FINAL ACCEPTANCE

- 29 A. The complete installation consisting of the several parts and systems and all equipment installed according to the require-
- 30 ments of the Contract Documents, shall be ready in all respects for use by owner and shall be subjected to a test at full op-
- 31 erating conditions and pressures for normal conditions of use.
- 32 B. Contractor shall make all necessary adjustments and replacements affecting the work, which is necessary to fulfill owner's
- 33 requirements and to comply with the directions and recommendations of the manufacturer of the several pieces of equip-
- 34 ment, and to comply with all codes and regulations, which may apply to the entire installation. Contractor shall also make
- 35 all required adjustments to comply with all provisions of the drawings and specifications.
- 36 C. Prior to acceptance, all elements of operating equipment, including those of mechanical nature and those that slide, swing,
- 37 turn, or are intended to move in any way and those of an electrical nature, shall be given an operating test to assure to the
- 38 satisfaction of owner that such equipment operates as required. Contractor shall make all adjustments, replacements, and
- 39 such other modifications as needed. If it is necessary to run equipment in order to complete the work, for periods that ex-
- 40 ceed the manufacturer's recommended maintenance interval, the Contractor will provide such required maintenance at no
- 41 additional cost to owner.
- 42 D. Notice that the work is ready for final inspection and acceptance shall be given after the Contractor has carefully inspected
- 43 all portions of the work, has reviewed in detail the drawings and specifications, and that to the best of the Contractor's
- 44 knowledge all conditions of the contract documents have been fulfilled. The owner and the Contractor shall make a joint
- 45 inspection of the work and owner will issue a punchlist.
 - 46 1. Multiple punch lists can be submitted and neither punchlist may be considered final. Punchlist can be submitted
 - 47 throughout the entire warranty period.
 - 48 2. If Contractor fails to perform required corrective work in less than 30 days upon receipt of punch list by Contractor,
 - 49 owner can perform corrections or hire a separate contractor and charge the Contractor the full cost.
 - 50 3. Contractor shall advise owner that the necessary work has been performed. If punch list items were not resolved and
 - 51 the work was not performed in less than 30 days upon receipt of punch list by Contractor, the Contractor shall be re-
 - 52 quired to compensate the owner for additional site visits of project manager, design professional and other related
 - 53 staff at a rate of \$ 100/hour plus mileage. The amount shall be paid to the owner prior to processing the final pay-
 - 54 ment. Payment may be processed as deductive change order.
- 55 E. After deficiencies, if any, have been corrected or accounted for, and after all work is satisfactorily complete, the City will
- 56 accept the work; and Notice of Completion will be filed by owner. The contractor shall test equipment before claiming
- 57 completion. Prior to final acceptance, filing of the Notice of Completion or processing of final payment, the following shall
- 58 be done and submitted reviewed and accepted by owner:
 - 59 1. Certificates of compliance and guarantees required under various Sections
 - 60 2. Operating and maintenance manuals
 - 61 3. Instruction to City personnel, as required
 - 62 4. Test reports (TAB, fire alarm, elevator etc.)
 - 63 5. Certifications and registrations (boiler etc.)
 - 64 6. All keys

- 1 7. Replacement material as required in specifications
- 2 8. All required operations tests
- 3 9. All documents required by commissioning, LEED certification and other project related documents
- 4 10. Satisfy all commissioning requirements
- 5 11. As -built documents
- 6 12. All punch list items resolved
- 7 13. All training provided (except deferred seasonal training)
- 8 14. All warranty issues brought to Contractor's attention so far resolved
- 9 15. Warranty documents signed by representative of manufacturer, guarantee documents, roofing agreement and other
- 10 warranty related documents

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3.12. CLEANING

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- A. The construction site shall be kept in clean and safe manner. The Contractor shall clean up and remove from the premises, on a daily basis accumulation of surplus materials, rubbish, debris and scrap and shall repair all damage to new and existing equipment resulting from its work. When job is complete, this Contractor shall remove all tools, excess material and equipment, etc., from the site. Contractors or subcontractors found to be in violation may be required to leave the jobsite until their staff is trained in orderly, clean and safe construction site work. Clean and safe construction site includes but is not limited to:
 1. All trades keep a separate and neat area for material, equipment etc.
 2. Equipment and material not needed anymore is removed from the jobsite
 3. Demolition material and equipment is removed from jobsite daily
 4. All material and equipment is sorted and stored properly
- B. Spreading of dirt, dust and other construction related material must be kept to a minimum. Occupied and work areas must be separated by seals. Such seals shall be inspected and repaired frequently as needed to ensure proper sealing at all times.
- C. Keep streets, walks and all other adjacent paved areas clean and swept clear of dirt, mud and debris deposited as a result of this operation. Protect surrounding area from dust. Control rodents, and other vermin associated with demolition operations.
- D. All installed items shall be cleaned at time of installation, and all lens exteriors shall be cleaned just prior to final inspection. Equipment shall be thoroughly cleaned of all stains, paint, spots, dirt and dust. All temporary labels not used for instruction or operation shall be removed. Dust, dirt and other foreign matter shall be removed completely from all internal surfaces of all mechanical and electrical units, cabinets, ducts, pipes, etc. Dirt, soil, fingerprints, stains and the like, shall be completely removed from all exposed finished surfaces.
- E. Contractor shall wash all glass immediately prior to the occupancy of this project. Work shall include the removal of labels, paint splattering, glazing compound and sealant. Surfaces shall include mirrors and both sides of all glass in windows, borrowed lights, partitions, doors and sidelights. In addition to the above, the Contractor shall be responsible for the general "broom" cleaning of the premises and for expediting all of the cleaning, washing, waxing and polishing required within the technical sections of the specifications governing work under this Contract. The Contractor shall also perform "final" cleaning of all exposed surfaces to remove all foreign matter, spots, soil, construction dust, etc., so as to put the project in a complete and finished condition ready for acceptance and use intended.
- F. If rubbish and debris is not removed, or if surfaces are not cleaned as specified above, the owner reserves the right to have said work done by others and the related cost(s) will be deducted from monies due the Contractor.

END OF SECTION

APPENDIX A - WASTE MATERIALS ESTIMATING SHEET

1
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Instructions: Use as many sheets as needed.

PROJECT TITLE: _____
COMPANY: _____
DATE: _____

		Total Amount Generated		Amount Recycled		Amount Salvaged		Amount Sent to Landfill	
Material	Destination	Tons	Cu Yds	Tons	Cu Yds	Tons	Cu Yds	Tons	Cu Yds
Total									

9

1
2 Maintain existing interior nonstructural elements (interior walls, doors, floor coverings,
3 and ceiling systems) not indicated to be demolished; do not demolish such existing
4 construction beyond indicated limits.
5

6 Maintain services/systems indicated to remain and protect them against damage during selective
7 demolition operations. Before proceeding with demolition, provide temporary services/systems
8 that bypass area of selective demolition and that maintain continuity of services/systems to
9 other parts of the building.

10
11 Locate, identify, shut off, disconnect, and seal or cap off indicated utility services and
12 mechanical/electrical systems serving areas to be selectively demolished.
13

14 Provide temporary barricades and other protection required to prevent injury to people and
15 damage to adjacent buildings and facilities to remain.
16

17 Provide and maintain shoring, bracing, and structural supports as required to preserve stability
18 and prevent movement, settlement, or collapse of construction and finishes to remain, and to
19 prevent unexpected or uncontrolled movement or collapse of construction being demolished.
20 Provide temporary weather protection to prevent water leakage and damage to structure and
21 interior areas.
22

23 Protect walls, ceilings, floors, and other existing finish work that are to remain. Erect and
24 maintain dustproof partitions. Cover and protect furniture, furnishings, and equipment that have
25 not been removed.
26

27 Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting
28 methods least likely to damage construction to remain or adjoining construction.
29 Promptly remove demolition waste materials from Project site and legally dispose of them. Do
30 not burn demolished materials.
31

32 Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition
33 operations. Return adjacent areas to condition existing before demolition operations began.
34

35 **END OF SECTION**

1 Kiln-dry lumber after treatment to a maximum moisture content of 19 percent.

2
3 Mark lumber with treatment quality mark of an inspection agency approved by the ALSC
4 Board of Review.

5
6 Provide preservative-treated materials for items indicated on Drawings, and the following:

7
8 Wood members in connection with roofing, flashing, vapor barriers, and waterproofing.

9
10 Concealed members in contact with masonry or concrete.

11
12 Wood framing members that are less than 18 inches (460 mm) above the ground.

13
14 Wood floor plates that are installed over concrete slabs-on-grade.

15
16 **LUMBER**

17 Dimension Lumber:

18
19 Maximum Moisture Content: 19 percent.

20
21 Non-Load-Bearing Interior Partitions: Construction or No. 2.

22
23 Framing Other Than Non-Load-Bearing Interior Partitions: No. 2

24
25 Miscellaneous Lumber: Construction, or No. 2 grade with 19 percent maximum moisture
26 content of any species. Provide for nailers, blocking, and similar members.

27
28 **ENGINEERED WOOD PRODUCTS**

29 Engineered wood products with allowable design stresses, as published by manufacturer, that
30 meet or exceed those indicated. Manufacturer's published values shall be demonstrated by
31 comprehensive testing.

32
33 Laminated-Veneer Lumber and Laminated Strand Lumber: Manufactured with exterior-type
34 adhesive complying with ASTM D 2559. Allowable design values determined according to
35 ASTM D 5456.

36
37 Extreme Fiber Stress in Bending, Edgewise: 1,700 psi for 12-inch nominal- (286-mm
38 actual-) depth members.

39
40 Modulus of Elasticity, Edgewise: 1,300,000 psi min

41
42 **STRUCTURE INSULATED PANELS:**

43 Reference Standards:

44
45 ASTM International (ASTM):

46
47 C578 – Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation

1 Exterior (Wet Use) Exposure Conditions.
2 E84 – Standard Test Method for Surface Burning Characteristics of Building Materi-
3 als.

4 National Institute of Standards and Technology (NIST):

5 Voluntary Product Standard PS 1-09 – Structural Plywood. 5/10. Supersedes PS 1-95
6 Voluntary Product Standard PS 2-10 – Performance Standards for Wood-Based
7 Structural Use Panels. 6/11. Supersedes PS 2-04
8 Voluntary Product Standard PS 20-10 – American Softwood Lumber Standard. 6/10.
9 Supersedes PS 20-05

10
11 NTA, Inc.:

12 NTA IM14 Structural Insulated Panel Evaluation.
13 NTA IM36 Quality System Requirements.
14

15 Western Wood Products Association (WWPA): Western Lumber Grading Rules (G-5).

16
17 Design Data: Engineering calculations for loading and stresses, bearing seal and signature of
18 professional engineer licensed in the State in which Project is located.
19

20 Molded-Polystyrene Board Insulation: ASTM C578.

21
22 Surface Burning Characteristics per ASTM E84:

23 Flame Spread: 75.
24 Smoke Developed: <450.
25

26 Type I, 10 psi (69 kPa).
27

28 Lumber Framing:

29 Species: Spruce-Pine-fir or equivalent.
30 Grade: WWPA No. 2.
31

32 Facings: Provide one of the following types of SIP facings, bearing inspecting agency's trade-
33 mark or certification. Products shall contain no urea formaldehyde.
34

35 Oriented-Strand-Board (OSB): Exposure 1 sheathing, conforming to 2009 IRC and Voluntary
36 Product Standard PS 2-10.
37

38 Span Rating: Not less than 24/16.

39
40 Nominal Thickness: Not less than 7/16 inch (11 mm).
41

42 Laminating Adhesive: SIP manufacturer's standard laminating adhesive.
43

44 Panel Sealant: Type recommended by SIP manufacturer.
45

46 VOC Content of Sealants: Provide sealants the following limits for VOC content when calcu-
47 lated per 40 CFR 59, Part 59, Subpart D (EPA Method 24):

1
2 Architectural Sealants: 250 g/L.
3

4 SIP Tape: Type recommended by SIP manufacturer.
5

6 Fasteners: Galvanized or corrosion resistant coated; types and sizes as recom-
7 mended by SIP manufacturer.
8

9 Panel Thickness: As shown on drawings.
10

11 Install panel system per SIP manufacturer's instructions and approved shop drawings.
12

13 MISCELLANEOUS PRODUCTS

14 Fasteners: Size and type indicated. Where rough carpentry is exposed to weather, in ground
15 contact, or in area of high relative humidity, provide fasteners with hot-dip zinc coating
16 complying with ASTM A 153/A 153M.
17

18 Power-Driven Fasteners: CABO NER-272.
19

20 Bolts: Steel bolts complying with ASTM A 307, Grade A (ASTM F 568, Property
21 Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and, where indicated, flat
22 washers.
23

24 Metal Framing Anchors: Structural capacity, type, and size indicated.

25 Use anchors made from hot-dip galvanized steel complying with ASTM A 653/A 653M,
26 G60 (Z180) coating designation for interior locations where stainless steel is not
27 indicated.

28 Use anchors made from stainless steel complying with ASTM A 666, Type 304 for
29 exterior locations and where indicated.
30

31 Sill Sealer: Closed-cell neoprene foam, 1/4 inch (6.4 mm) thick.
32

33 PART 3 - EXECUTION

34 INSTALLATION

35 Set rough carpentry to required levels and lines, with members plumb, true to line, and
36 fitted. Locate nailers, blocking, and similar supports to comply with requirements for attaching
37 other construction.
38

39 Securely attach rough carpentry to substrates, complying with the following:
40

41 CABO NER-272 for power-driven fasteners.
42

43 Published requirements of metal framing anchor manufacturer.
44 Table 2304.9.1, "Fastening Schedule," in the IBC
45
46

47 END OF SECTION

1 **MISCELLANEOUS MATERIALS**

2
3 Fasteners for Finish Carpentry: stainless steel

4
5 Glue: Aliphatic-resin, polyurethane, or resorcinol wood glue recommended by manufacturer.

6
7
8 **PART 3-EXECUTION**

9
10 **INSTALLATION**

11
12 Condition finish carpentry in installation areas for 24 hours before installing.

13
14 Install finish carpentry level, plumb, true, and aligned with adjacent materials. Scribe and cut to fit ad-
15 joining work. Refinish and seal cuts.

16
17 Install trim with minimum number of joints practical, using full-length pieces from maximum lengths of
18 lumber available. Stagger joints in adjacent and related trim. Cope at returns and miter at corners.

19
20
21 **END OF SECTION**

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**SECTION 07 21 00
THERMAL INSULATION**

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work:

PART 1 - GENERAL

SCOPE

RELATED WORK

SECTION REQUIREMENTS

PART 2 - PRODUCTS

INSULATION PRODUCTS

PART 3 - EXECUTION

INSTALLATION

RELATED WORK

Applicable provisions of Division 1 shall govern this section.

SECTION REQUIREMENTS

Submittals: Product Data.

PART 2 - PRODUCTS

INSULATION PRODUCTS

Surface-Burning Characteristics: ASTM E 84, and as follows:

Flame-Spread Index: 25 or less where exposed; otherwise, as indicated in Part 2 "Insulation Products" Article.

Smoked-Developed Index: 450 or less.

Polyurethane thermoset foam: Medium-density, MDI-based two-component closed cell spray foam with a zero-ozone-depleting HFC blowing agent

PART 3 - EXECUTION

INSTALLATION

Install insulation in areas and in thicknesses indicated or required to produce R-values indicated. Cut and fit tightly around obstructions and fill voids with insulation.

Except for loose-fill insulation and insulation that is friction fitted in stud cavities, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.

END OF SECTION

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SECTION 07 61 00
SHEET METAL ROOFING

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work: Sheet metal flashing as shown on drawings.

PART 1 - GENERAL
SECTION REQUIREMENTS

PART 2 - PRODUCTS
SHEET METAL
ACCESSORIES
FABRICATION

PART 3 - EXECUTION
INSTALLATION

SECTION REQUIREMENTS

Submittals: Product Data, Shop Drawings

Comply with SMACNA's "Architectural Sheet Metal Manual." Unless otherwise indicated.

Comply with Copper Development Association's "Copper Roof Coverings"

Warranties: Standard form in which roofing Installer agrees to repair or replace sheet metal roofing that fails in materials or workmanship within [five] 5 years from date of Substantial Completion.

Historic Treatment Specialist Qualifications: An experienced firm regularly engaged in historic treatments similar in nature, materials, design, and extent to this Work as specified in each section, and that has completed a minimum of [five] 5 recent projects with a record of successful in-service performance that demonstrate the firm's qualifications to perform this Work.

PART 2 - PRODUCTS

ROOFING SHEET METAL

Copper Sheet: ASTM B 370, cold-rolled copper sheet, H00 temper, 16 oz./sq. ft. (0.55 mm thick)

ACCESSORIES

Self-Adhering Sheet Underlayment, High Temperature: Butyl or SBS-modified asphalt; slip-resisting-polyethylene surfaced; with release paper backing; cold applied. Stable after testing at 240 deg F (116 deg C) and passes after testing at minus 20 deg F (29 deg C); ASTM D 1970.

Paper Slip Sheet: Minimum 4-lb red rosin-sized building paper.

Fasteners: Wood screws, annular-threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners as recommended by copper sheet manufacturer for copper roofing work.

1
2 Exposed Fasteners: Heads matching color of sheet metal roofing using plastic caps or factory-applied
3 coating.

4
5 Solder for Copper: ASTM B 32, Grade Sn50.

6
7 Butyl Sealant: ASTM C 1311, solvent-release butyl rubber sealant.

8
9 Metal Accessories: Matching sheet metal roofing in finish and material required for a complete weather-
10 tight roofing system, including clips, flashings, trim, copings, fasciae.

11
12 **FABRICATION**

13 Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural
14 Sheet Metal Manual" that apply to the design, dimensions, metal, and other characteristics of the item
15 indicated.

16
17 Flat-Seam Roofing: Form flat-seam pans from metal sheets 20 by 28 inches (510 by 710 mm) with
18 3/4-inch notched and folded edges.

19
20
21 **PART 3 - EXECUTION**

22 **INSTALLATION**

23 Apply self-adhering sheet underlayment covering entire roof.

24
25 Apply slip sheet over underlayment before installing metal roof panels.

26
27 Anchor roofing securely in place, with provisions for thermal and structural movement. Install with con-
28 cealed fasteners unless otherwise indicated.

29
30 Separate dissimilar metals with a bituminous coating or polymer-modified, bituminous sheet underlay-
31 ment.

32
33 Install work with lines and corners of exposed units true and accurate. Form exposed faces flat and free
34 of buckles, excessive waves, and avoidable tool marks, considering temper and reflectivity of metal. Pro-
35 vide uniform, neat seams with minimum exposure of solder and sealant. Fold back sheet metal to form a
36 hem on concealed side of exposed edges unless otherwise indicated.

37 Install cleats to hold sheet metal panels in position. Attach each cleat with two fasteners to prevent
38 rotation.

39 Nail cleats not more than 12 inches (300 mm) o.c. Bend tabs over nails.

40
41 Soldered Joints: Clean surfaces to be soldered, removing oils and foreign matter. Pre-
42 tin edges of sheets to be soldered to a width of 1-1/2 inches (38 mm), except where pretinned surface would show in finished
43 Work.

44
45 Do not use torches for soldering. Heat surfaces to receive solder and flow solder into joint. Fill joint
46 completely. Completely remove flux and spatter from exposed surfaces.

47
48 Seal joints as shown and as required for leakproof construction. Provide low-slope transverse seams us-
49 ing cleats where backup of moisture may occur.

50
51 **END OF SECTION**

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SECTION 08 11 13
HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work: Interior Hollow Metal Frames

PART 1 - GENERAL
SCOPE
RELATED WORK
SECTION REQUIREMENTS

PART 2 - PRODUCTS
MATERIALS
HOLLOW METAL DOORS AND FRAMES

PART 3 - EXECUTION
INSTALLATION

RELATED WORK

Applicable provisions of Division 1 shall govern this section.

Section 08 71 00 Door Hardware

SECTION REQUIREMENTS

Submittals: Product Data and Shop Drawings.

PART 2 – PRODUCTS

MATERIALS

Metalic-Coated Steel Sheets: ASTM A 653/A 653M, G60 (Z180)

Frame Anchors: ASTM A 591/A 591M, 40Z (12G) coating designation; mill phosphatized.

For anchors built into exterior walls, sheet steel complying with ASTM A 1008/A 1008M, or ASTM A 1011/A 1011M, hot dipped galvanized according to ASTM A 153/A 153M, Class B.

Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.

HOLLOW METAL DOORS AND FRAMES

Products:

Manufacturers: Ceco, Steelcraft, Curries

Frames: ANSI A250.8; conceal fastenings unless otherwise indicated.

Steel Sheet Thickness for Exterior Doors: 14 guage.

1
2 Fabricate exterior frames from metallic-coated steel sheet, with mitered or coped and
3 continuously welded corners.

4
5 Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6 with reinforcement
6 plates from same material as frames.

7
8 Frame Anchors: Not less than 0.042 inch thick and five per jamb.

9
10 Door Silencers: Three on strike jambs of single-door frames and two on heads of double-door
11 frames.

12
13 Grout Guards: Provide where mortar might obstruct hardware operation.

14
15 Prepare doors and frames to receive mortised and concealed hardware according to ANSI
16 A250.6 and ANSI A115 Series Standards. Prepare frame for electric strike.

17
18 Reinforce doors and frames to receive surface-applied hardware.

19
20 Prime Finish: Manufacturer's standard, factory-applied coat of lead- and chromate-free primer
21 complying with ANSI/SDI A250.10 acceptance criteria.

22
23
24 **PART 3 - EXECUTION**

25 **INSTALLATION**

26 Install hollow metal frames to comply with ANSI/SDI A250.11.

27
28 Install doors to provide clearances between doors and frames as indicated in
29 ANSI/SDI A250.11.

30
31 Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of
32 prime coat and apply touchup of compatible air-drying rust-inhibitive primer. Use galvanizing
33 repair paint for metallic coated surfaces.

34
35 High -Performance Coating: See Section 09 91 00

36
37
38 **END OF SECTION**

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SECTION 08 14 33
STILE AND RAIL WOOD DOORS

PART I-GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work: Interior pre-hung doors and frames. New fire rated door panels installed in existing hollow metal frames.

PART 1 - GENERAL
SCOPE
RELATED WORK
SECTION REQUIREMENTS

PART 2 - PRODUCTS
STILE AND RAIL DOORS
FABRICATION AND FINISHING

PART 3 - EXECUTION
INSTALLATION

RELATED WORK

Applicable provisions of the conditions of the Contract and General Requirements shall govern work under this section.

Section 08 80 00 Glazing

SECTION REQUIREMENTS

Submittals: Product Data and Shop Drawings, warranty

PART 2- PRODUCTS

STILE AND RAIL DOORS

Safety Glass: Comply with testing requirements in 16 CFR 1201, for Category II materials.

Exterior Doors: Stock doors complying with WDMA I.S.6, Premium or Select grade assembled with wet-use adhesives and made from Douglas fir with glazed panels.

Entrance Doors: WDMA design number G101.

FABRICATION AND FINISHING

Factory fit doors to suit existing frame-opening sizes and to comply with referenced quality standard.

Provide 1/8-inch clearance at jambs, heads, and meeting stiles and 1/2 inch at bottom. At thresholds, provide 3/8-inch clearance.

Comply with NFPA 80 for fire-resistance-rated doors.

1 Factory machine doors for hardware that is not surface applied.

2

3 Glaze doors at factory.

4

5 High Performance Coating

6

7

8

PART 3- EXECUTION

9

10 INSTALLATION

11

12 Install fire-rated wood door frames level, plumb, true, and aligned with adjacent materials. Countersink
13 fasteners, fill surface flush, and sand smooth.

14

15 Align and fit doors in frames with uniform clearances and bevels indicated below. Machine doors for
16 hardware. Seal cut surfaces after fitting and machining.

17

18 Provide 1/8-inch (3.2-mm) clearance at jambs, heads, and meeting stiles and 1/8 inch (3.2 mm) at bot-
19 tom. At thresholds, provide 1/4-inch (6.4-mm) clearance from bottom of door.

20

21 Align doors in frames for uniform clearances.

22

23 Repair, refinish, or replace factory-finished doors damaged during installation as directed by Architect.

24

25 Factory finish doors indicated for opaque finish with manufacturer's standard finish complying with
26 WDMA OP-6, catalyzed polyurethane for grade specified for doors.

27

28 Sheen: Satin

29

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END OF SECTION

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Deadbolts:

Basis of Design: Schlage B500 Series finish US26D.

D-1 Single Cylinder Deadbolt

D-2 Door Bolt w/ No Exterior Trim

Key locks to Owner's existing master-key system.

Cylinders with six pin tumblers

Provide construction keying.

Electric Strike: Von Duprin 5100 electric strike fail-secure.

Closers:

Basis of Design: LCN 400 series

Mount closers on interior side (room side) of door opening. Provide regular-arm, parallel-arm, or top-jamb-mounted closers as necessary.

Adjustable delayed opening (accessible to people with disabilities) feature on closers.

Provide cushion-stop on exterior doors

Push /Pull

Basis of Design: Rockwood TBF47 Offset Pull/Push bar set combo. 12" CTC offset pull. 1" OD US26D

Weatherstrip Basis of Design: Reese 775A Aluminum with black polyurethane insert.

Saddle Threshold: Kickplates Reese S483AO Aluminum with polyurethane insert

Provide Hardware finishes as follows:

Hinges: Matching finish of deadbolt

Deadbolts: Satin chrome plated.

Closers: Aluminum enamel

Other hardware: Matching finish of deadbolt

1
2
3 **PART 3-EXECUTION**

4 **INSTALLATION**

5 Mount hardware in locations recommended by the Door and Hardware Institute unless otherwise indicat-
6 ed.

7
8 **HARDWARE SCHEDULE**

9
10 Hardware Set HS-1:

- 11 Hinges.
- 12 Deadbolt D-1
- 13 Closer
- 14 Push/ Pull
- 15 Weatherstrip
- 16 Threshold
- 17 Electric Strike

18
19
20 Hardware Set HS-2:

- 21 Hinges.
- 22 Deadbolt D-2
- 23 Closer
- 24 Push/ Pull
- 25 Weatherstrip
- 26 Threshold

27
28
29 Hardware Set HS-3:

- 30 Hinges.
- 31 Deadbolt D-1
- 32 Closer
- 33 Push/ Pull
- 34 Weatherstrip
- 35 Threshold
- 36 Automatic Door Operator

37
38
39 **END OF SECTION**
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PART 3- EXECUTION

INSTALLATION

Coordinate with electric strike and associated security device.

Install power door operators and controls. After use, readjust door operators and controls and lubricate hardware and moving parts. Provide concealed wiring and direct connections, coordinate with electrician.

Power Door Operator Installation Standard: BHMA A156.10.

Low-Energy Door Operator Installation Standard: BHMA A156.19.

Signage: Apply inside of glass on each door as required by cited BHMA standard for type of door operator and direction of pedestrian travel.

END OF SECTION 08 71 13

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PART 2 - PRODUCTS

GLASS PRODUCTS

Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190.

INSULATING-GLASS TYPES

Glass Type [GL-1]: Low-e-coated, clear insulating glass.

Overall Unit Thickness: 1 inch (25 mm)

Thickness of Each Glass Lite: 3.0 mm

Outdoor Lite: Float glass (Fully tempered float glass).

Interspace Content: Argon.

Indoor Lite: Float glass (Fully tempered float glass).

Visible Light Transmittance: 60 percent minimum.

Winter Nighttime U-Factor: .25 maximum.

Summer Daytime U-Factor: .21 maximum.

Solar Heat Gain Coefficient: .3 maximum.

Provide safety glazing labeling.

GLAZING SEALANTS

Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 25, Use NT.

PART 3 - EXECUTION

INSTALLATION

Comply with combined recommendations of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are contained in GANA's "Glazing Manual."

Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.

Remove nonpermanent labels, and clean surfaces immediately after installation.

END OF SECTION

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SECTION 09 01 90
MAINTENANCE OF PAINTING AND COATING

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work: Refinishing of Interior and Exterior Wood Trim.

PART 1 - GENERAL

SCOPE
RELATED WORK
SUBMITTALS
QUALITY ASSURANCE
SEQUENCING AND SCHEDULING

PART 2 - PRODUCTS

CLEANING MATERIALS
PAINT MATERIALS

PART 3 - EXECUTION

EXAMINATION
CLEANING
PAINT REMOVAL
SUBSTRATE REPAIR
PAINT APPLICATION, GENERAL
CLEANUP AND PROTECTION
SURFACE-PREPARATION SCHEDULE
PAINT SCHEDULE

RELATED WORK

Section: 09 91 00 Painting

SUBMITTALS

Product Data: For each paint system and type of product indicated.

Product List: Printout of current "MPI Approved Products List" for each MPI-product category specified in paint systems, with the proposed product highlighted.

QUALITY ASSURANCE

Contractor shall warrant his/her work against defects in workmanship for a period of two (2) years.

SEQUENCING AND SCHEDULING

Perform maintenance of painting in the following general sequence:

Dismantle existing surface-mounted objects and hardware except items indicated to remain in place. Include removal of door panels. These shall not be refinished while hung.

1 Verify that temporary protections have been installed according to General Requirements. Install
2 additional protections to suit Project conditions.

3
4 Examine condition of surfaces to be painted.

5
6 Remove existing paint to the degree required for each substrate and surface condition of existing
7 paint.

8
9 Apply paint system.

10
11 Reinstall dismantled surface-mounted objects and hardware, and rehang doors, except as otherwise
12 indicated.

13 14 15 **PART 2 - PRODUCTS**

16 17 **CLEANING MATERIALS**

18 Water: Potable.

19
20 Hot Water: Water heated to a temperature of 140 to 160 deg F.

21
22 Detergent Solution: Solution prepared by mixing 2 cups of tetrasodium polyphosphate, 1/2 cup of laun-
23 dry detergent that contains no ammonia, 5 quarts of 5 percent sodium hypochlorite bleach, and 15 quarts
24 of warm water for each 5 gal. of solution required.

25 26 **PAINT MATERIALS**

27 General: See Division 09 Painting Sections for paint materials and application methods unless otherwise
28 indicated in this Section.

29
30 Transition Coat: Paint manufacturer's recommended coating for use where a residual existing coating is
31 not compatible with the paint system.

32 33 34 **PART 3 - EXECUTION**

35 36 **EXAMINATION**

37 Examine substrates and conditions, with historic treatment specialist present, for compliance with re-
38 quirements for maximum moisture content and other conditions affecting performance of the painting
39 work. Comply with paint manufacturer's written instructions for inspection.

40
41 Verify suitability of substrates, including surface conditions and compatibility with existing finishes and
42 primers.

43
44 Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

45
46 Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

47 48 **CLEANING**

49 General: Clean all surfaces, corners, contours, and interstices.

1
2 Detergent Cleaning: Wash surfaces by hand using clean rags, sponges, and bristle brushes. Scrub surface
3 with detergent solution and bristle brush until soil is thoroughly dislodged and can be removed by rinsing.
4 Rinse with water applied by clean rags or sponges.
5

6 **PAINT REMOVAL**

7
8 General: Repair substrate surface defects that are inconsistent with the surface appearance of adjacent
9 materials and finishes.

10
11 Wood Substrate: Where existing paint is allowed to remain, sand irregular buildup of paint, runs, and sags
12 to achieve a uniformly smooth surface.
13

14 **PAINT APPLICATION, GENERAL**

15 Comply with manufacturers' written instructions for application methods and with other Division 09
16 painting Sections.
17

18 Prepare surfaces to be painted according to the Surface-Preparation Schedule and with manufacturer's
19 written instructions for each substrate condition.
20

21 Apply a transition coat over incompatible existing coatings.
22

23 Blending Monochromatic Painted Surfaces: When painting new substrates patched into existing surfaces
24 or touching up missing or damaged finishes, apply coating system specified for the specific substrate.
25

26 Apply final finish coat over entire surface from edge to edge and corner to corner.
27

28 **CLEANUP AND PROTECTION**

29 Remove rubbish, empty cans, rags, and other discarded materials from Project area while not present.
30

31 After completing paint application, clean spattered surfaces. Do not scratch or damage adjacent finished
32 surfaces.
33

34 Protect work of other trades against damage from paint application. Correct damage to work of other
35 trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an un-
36 damaged condition.
37

38 At completion of construction activities of other trades, touch up and restore damaged or defaced painted
39 surfaces.
40

41 **SURFACE-PREPARATION SCHEDULE**

42 General: Before painting, prepare surfaces for painting according to applicable requirements specified in
43 this schedule.
44

45 Examine surfaces to evaluate each surface condition according to the paragraphs below.
46

47 Where existing degree of soiling prevents examination, preclean surface and allow it to dry before
48 making an evaluation.
49

1 Repair substrate defects according to "Substrate Repair" Article.

2
3 Surface Preparation for MPI DSD 0 Degree of Surface Degradation:

4
5 Surface Condition: Existing paint film in good condition and tightly adhered.

6
7 Paint Removal: Not required.

8
9 Preparation for Painting: Wash surface by detergent cleaning. Roughen or degloss cleaned surfaces to ensure paint adhesion according to paint manufacturer's written instructions.

10
11
12 Surface Preparation for MPI DSD 1 Degree of Surface Degradation:

13
14 Surface Condition: Paint film cracked or broken but adhered.

15
16 Paint Removal: Scrape by hand-tool cleaning methods to remove loose paint until only tightly adhered paint remains.

17
18
19 Preparation for Painting: Wash surface by detergent cleaning; use other cleaning methods for small areas of bare substrate if required. Roughen, degloss, and sand the cleaned surfaces to ensure paint adhesion and a smooth finish according to paint manufacturer's written instructions.

20
21
22
23 Surface Preparation for MPI DSD 2 Degree of Surface Degradation:

24
25 Surface Condition: Paint film loose, flaking, or peeling.

26
27 Paint Removal: Remove loose, flaking, or peeling paint film by hand-tool

28
29 Preparation for Painting: Wash surface by detergent cleaning. Use other cleaning methods for small areas of bare substrate if required. Sand surfaces to smooth remaining paint film edges. Prepare bare cleaned surface to be painted according to paint manufacturer's written instructions for substrate construction materials.

30
31
32
33
34 **PAINT SCHEDULE AND APPLICATION**

35 See Section 09 91 00

36
37
38 **END OF SECTION**

1 Provide cornerbead at outside corners unless otherwise indicated.

2
3 Provide LC-bead (J-bead) at exposed panel edges.

4
5 Provide control joints where indicated.

6
7 Aluminum Accessories: Extruded-aluminum accessories indicated with manufacturer's
8 standard corrosion-resistant primer

9
10 Joint-Treatment Materials: ASTM C 475/C 475M.

11
12 Joint Tape: Paper unless otherwise recommended by panel manufacturer.

13
14 Joint Compounds: Drying-type, ready-mixed, all-purpose compounds

15
16 Acoustical Sealant for Exposed and Concealed Joints: Nonsag, paintable, nonstaining latex
17 sealant complying with ASTM C 834.

18
19
20 **PART 3 - EXECUTION**

21
22 **INSTALLATION**

23
24 Install gypsum board to comply with ASTM C 840.

25
26 Isolate gypsum board assemblies from abutting structural and masonry work. Provide
27 edge trim and acoustical sealant.

28
29 Single-Layer Fastening Methods: Fasten gypsum panels to supports with screws.

30
31 Finishing Gypsum Board: ASTM C 840.

32
33 Unless otherwise indicated, provide Level 4 finish: Embed tape and apply separate first,
34 fill, and finish coats of joint compound to tape, fasteners, and trim flanges.

35
36
37 **END OF SECTION**

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SECTION 09 65 13
RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work:

PART 1 - GENERAL

SCOPE

RELATED WORK

SECTION REQUIREMENTS

PART 2 - PRODUCTS

RESILIENT BASE

INSTALLATION ACCESSORIES

PART 3 - EXECUTION

INSTALLATION

RELATED WORK

Applicable provisions of Division 1 shall govern this section.

SECTION REQUIREMENTS

Submittals: Product Data and Samples.

Extra Materials: Deliver to Owner at least 4 linear feet (linear m) of each type and color of resilient wall base installed.

PART 2 - PRODUCTS

RESILIENT BASE

Products:

Basis of Design: Johnsonite traditional wall base.

Color and Pattern: As selected by Owner from manufacture's standard colors.

ASTM F 1861, Type TP (rubber, thermoplastic)

Group (Manufacturing Method): I (solid)

Style: Cove (base with toe)

Minimum Thickness: 0.125 inch (3.2 mm)

Height: 4 inches (102 mm).

1
2 Lengths: Coils in manufacturer's standard lengths
3

4 Outside Corners: Preformed.
5

6 Inside Corners: Job formed
7

8 Finish: Satin
9

10 **INSTALLATION ACCESSORIES**

11 Trowelable Leveling and Patching Compounds: Latex-modified, portland cement- or blended
12 hydraulic cement-based formulation provided or approved by flooring manufacturer for
13 applications indicated.
14

15 Adhesives: Water-resistant type recommended by manufacturer to suit products and substrate
16 conditions. Maximum V.O.C. 50 g/l.
17

18 Metal Edge Strips: Extruded aluminum with mill finish of width shown, of height required to
19 protect exposed edges of tiles, and in maximum available lengths to minimize running joints.
20

21
22 **PART 3 - EXECUTION**

23 **INSTALLATION**

24 Prepare concrete substrates according to ASTM F 710. Verify that substrates are dry and free
25 of curing compounds, sealers, and hardeners.
26

27 Adhesively install resilient wall base and accessories.
28

29 Install wall base in maximum lengths possible. Apply to walls, columns, pilasters, casework,
30 and other permanent fixtures in rooms or areas where base is required.
31

32 Install reducer strips at edges of floor coverings that would otherwise be exposed.
33
34
35

36 **END OF SECTION**

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SECTION 09 65 19
RESILIENT TILE FLOORING

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work: Resilient Tile Flooring

PART 1 - GENERAL

SCOPE

RELATED WORK

SECTION REQUIREMENTS

PART 2 - PRODUCTS

RUBBER FLOOR TILE

INSTALLATION ACCESSORIES

PART 3 - EXECUTION

INSTALLATION

RELATED WORK

Applicable provisions of Division 1 shall govern this section.

SECTION REQUIREMENTS

Submittals: Product Data and Samples.

Extra Materials: Deliver to Owner one box for every 50 boxes or fraction thereof, of each type and color of resilient floor tile installed.

PART 2 - PRODUCTS

RUBBER FLOOR TILE RFT

Products:

Basis of Design: Nora Systems norament 992 grams

Color and Pattern: Selected by Owner from manufacture's standard colors.

Tile Standard: ASTM F 1344, Class II-B, laminated rubber tile, mottled wear layer.

Fire-Test Response: Critical radiant flux classification of Class I, not less than 0.45 W/sq. cm per ASTM E 648.

Hardness: Not less than 70 as required by ASTM F 1344, measured using Shore, Type A durometer per ASTM D 2240.

Wearing Surface: Textured.

Thickness: 9 mm

1
2 Size: 24 by 24 inches (609.6 by 609.6 mm)
3

4 **INSTALLATION ACCESSORIES**

5 Trowelable Leveling and Patching Compounds: Latex-modified, portland cement- or blended
6 hydraulic cement-based formulation provided or approved by flooring manufacturer for
7 applications indicated.
8

9 Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and
10 substrate conditions indicated.
11

12 **PART 3 - EXECUTION**

13
14 **INSTALLATION**

15 Prepare concrete substrates according to ASTM F 710. Verify that substrates are dry and free
16 of curing compounds, sealers, and hardeners.
17

18 Lay out tiles so tile widths at opposite edges of room are equal and are at least one-half of a tile.
19

20 Match tiles for color and pattern by selecting tiles from cartons in same sequence as
21 manufactured and packaged. Lay tiles with grain running in one direction.
22

23 **END OF SECTION**
24

1
2 Hallman Lindsay

3
4 Benjamin Moore Paints

5
6 Mautz

7
8 MPI Standards: Provide materials that comply with MPI standards indicated and listed in its
9 "MPI Approved Products List."

10
11 Material Compatibility: Provide materials that are compatible with one another and with
12 substrates.

13
14 For each coat in a paint system, provide products recommended in writing by
15 manufacturers of topcoat for use in paint system and on substrate indicated.

16
17 Colors: As selected by Owner for Manufacturers' standards.

18
19
20 **PART 3 - EXECUTION**

21
22 **REHABILITATION OF PAINTS**

23 For surfaces with paints to be rehabilitated, see Section 09 01 90 for cleaning, preparation and
24 substrate repairs.

25
26 **PREPARATION (NEW MATERIALS)**

27 Comply with recommendation in MPI's "MPI Architectural Painting Specification Manual"
28 applicable to substrates indicated.

29
30 Remove hardware and similar items that are not to be painted. Mask items that cannot be
31 removed. Reinstall items in each area after painting is complete.

32
33 Clean and prepare surfaces in an area before beginning painting in that area. Schedule painting
34 so cleaning operations will not damage newly painted surface.

35
36 **APPLICATION**

37 Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual"
38 applicable to substrates indicated.

39
40 Paint exposed surfaces, new and existing, unless otherwise indicated.

41
42 Apply paints according to manufacturer's written instructions.

43
44 Use brushes only for exterior painting and where the use of other applicators is not
45 practical.

46
47 Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks,
48 roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color
49 breaks.

1
2 If undercoats or other conditions show through topcoat, apply additional coats until cured
3 film has a uniform paint finish, color, and appearance.
4

5 **EXTERIOR PAINT APPLICATION SCHEDULE**

6 Dressed Lumber: Including architectural wood work

7
8 Solid-Color Latex Stain: Two coats: MPI EXT 6.3K.
9

10 High Performance Coating for Galvanized hollow metal frames:

11 Semigloss Water-Based, Light-Industrial Coating System: Two coat(s) over factory
12 primer: MPI EXT 5.3G.
13

14 **INTERIOR PAINT APPLICATION SCHEDULE**

15 Transparent Finish -Architectural oak woodwork: Satin Polyurethane: Two coats over stain:
16 MPI INT 6.3E.
17

18 Dressed Lumber: Including architectural wood work

19
20 Solid-Color Latex Stain: Two coats: MPI EXT 6.3K.
21

22 Gypsum Board

23 Eggshellsave

24 Latex: Two coats over primer/sealer: MPI INT 9.2A.
25
26

27 **END OF SECTION**

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1
2 Wire Connectors and Splices: Units of size, ampacity rating, material, type, and class suitable for service indicated.
3
4

5 Cable Type NM-B Cable: shall not be used.
6

7 **GROUNDING MATERIALS**

8 Conductors: Solid for No. 8 AWG and smaller, and stranded for No. 6 AWG and larger unless otherwise indicated.
9

10 Insulated Conductors: Copper wire or cable insulated for 600 V unless otherwise required by applicable Code or authorities having jurisdiction.
11
12

13 Bare, Solid-Copper Conductors: Comply with ASTM B 3.
14

15 Bare, Stranded-Copper Conductors: Comply with ASTM B 8
16

17 Bolted Connectors for Conductors and Pipes: Copper or copper alloy, bolted pressure-type, with at least two bolts with clamp-type pipe connectors sized for pipe.
18
19

20 Welded Connectors: Exothermic-welding kits of types recommended by kit manufacturer for materials being joined and installation conditions
21
22

23 **ELECTRICAL IDENTIFICATION MATERIALS**

24 Raceway Identification Materials: Snap-around, color-coding bands; flexible, preprinted, color-coded acrylic.
25
26

27 Conductor Identification Materials: Color-Coding Conductor Tape: Self-adhesive vinyl tape 1 to 2 inches (25 to 50 mm) wide.
28
29

30 Tape Markers for Wire: Vinyl or vinyl-cloth, self-adhesive, wraparound type with circuit identification legend machine printed by thermal transfer or equivalent process.
31
32

33 Self-Adhesive Warning Labels: Factory printed, multicolor, pressure-sensitive adhesive labels, configured for display on front cover, door, or other access to equipment unless otherwise indicated.
34
35
36

37 Metal-Backed, Butyrate Warning Signs: Weather-resistant, nonfading, preprinted, cellulose-acetate butyrate signs with 0.0396-inch (1.0-mm) galvanized-steel backing; and with colors, legend, and size required for application.
38
39
40

41 Equipment Identification Labels: Engraved, laminated acrylic or melamine label; punched or drilled for screw mounting. White letters on a dark-gray background; red letters for emergency systems.
42
43
44

45 Fasteners: Self-tapping, stainless-steel screws or stainless-steel machine screws with nuts and flat and lock washers.
46
47
48
49

1
2 Install electrical equipment to ensure that connecting raceways, cables, wireways, cable trays, and
3 busways are clear of obstructions and of the working and access space of other equipment.
4

5 Install required supporting devices and set sleeves in cast-in-place concrete, masonry walls, and
6 other structural components as they are constructed.
7

8 Coordinate location of access panels and doors for electrical items that are behind finished sur-
9 faces or otherwise concealed.
10

11 Install sleeve and sleeve seals of type and number required for sealing electrical service penetra-
12 tions of exterior walls.
13

14 Comply with NECA 1.
15

16 **RACEWAY AND CABLE INSTALLATION**

17 Outdoor Raceways Applications:

18 Exposed or Concealed: IMC, EMT where allowed by NEC.
19

20 Underground, Single Run: IMC
21

22
23 Boxes and Enclosures: Metallic, NEMA 250, Type 3R or Type 4.
24

25 Indoor Raceways Applications:

26 Exposed or Concealed: EMT.
27

28 Connection to Vibrating Equipment: FMC; in wet or damp locations, use LFMC.
29

30 Damp or Wet Locations: IMC.
31

32 Boxes and Enclosures: Metallic, NEMA 250, Type 1, unless otherwise indicated.
33

34 Conceal raceways and cables, unless otherwise indicated, within finished walls, ceilings, and
35 floors.
36

37 Install pull wires in empty raceways.
38

39 **WIRING METHODS**

40 Exposed Feeders, Branch Circuits, and Class 1 Control Circuits, Including in Crawlspace:
41 Type THHN-THWN, single conductors in raceway
42

43 Feeders and Branch Circuits Concealed in Ceilings, Walls, Partitions, and Crawlspace:
44 Type THHN-THWN, single conductors in raceway
45

46 Class 2 Control Circuits: Type THHN-THWN, in raceway
47

48 **GROUNDING**

49 Pipe and Equipment Grounding Conductor Terminations: Bolted.

1
2 Underground Connections: Welded.

3
4 Connections to Structural Steel: Bolted.

5
6 Install grounding conductors routed along shortest and straightest paths possible unless otherwise
7 indicated or required by Code. Avoid obstructing access or placing conductors where they may
8 be subjected to strain, impact, or damage.

9
10 Make connections without exposing steel or damaging coating if any.

11
12 Install bonding straps and jumpers in locations accessible for inspection and maintenance, except
13 where routed through short lengths of conduit.

14
15 **IDENTIFICATION**

16 Accessible Raceways and Cables of Auxiliary Systems: Identify the following systems with color-
17 coded, self-adhesive color coding tape-in bands:

18 Fire-Alarm System: Red.

19
20 Security System: Blue and yellow.

21
22 Telecommunication System: Green and yellow.

23
24 **INSTALLATION OF HANGERS AND SUPPORTS**

25 Fasten hangers and supports securely in place, with provisions for thermal and structural movement. In-
26 stall with concealed fasteners unless otherwise indicated.

27
28 Separate dissimilar metals and metal products from contact with wood or cementitious materials, by
29 painting each metal surface in area of contact with a bituminous coating or by other permanent separation.

30
31 Mounting and Anchorage of Surface-Mounted Equipment and Components: Anchor and fasten electrical
32 items and their supports to building structural elements by the following methods, unless otherwise indi-
33 cated or required by Code:

34 To Wood: Fasten with lag screws or through bolts.

35
36 To New Concrete: Bolt to concrete inserts.

37
38 To Masonry: Approved toggle-type bolts on hollow masonry units and expansion anchor fasteners on
39 solid masonry units.

40
41 To Existing Concrete: Expansion anchor fasteners.

42
43 To Steel: Welded threaded studs complying with AWS D1.1/D1.1M, with lock washers and nuts

44
45 To Light Steel: Sheet metal screws.

46
47 Drill holes for expansion anchors in concrete at locations and to depths that avoid reinforcing bars.

1 **SLEEVE AND SLEEVE-SEALS INSTALLATION**

2 Cut sleeves to length for mounting flush with both wall surfaces.

3
4 Extend sleeves installed in floors 2 inches (50 mm) above finished floor level.

5
6 Size pipe sleeves to provide 1/4-inch (6.4-mm) annular clear space between sleeve and cable unless
7 sleeve seal is to be installed.

8
9 Seal space outside of sleeves with grout for penetrations of concrete and masonry and with approved joint
10 compound for gypsum board assemblies.

11
12 Interior Penetrations of Non-Fire-Rated Walls and Floors: Seal annular space between sleeve and cable,
13 using joint sealant appropriate for size, depth, and location of joint.

14
15 Aboveground Exterior-Wall Penetrations: Seal penetrations using sleeves and mechanical sleeve seals.
16 Size sleeves to allow for 1-inch (25-mm) annular clear space between pipe and sleeve for installing me-
17 chanical sleeve seals.

18
19 **END OF SECTION**



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February 16, 2015

**NOTICE OF ADDENDUM
ADDENDUM NO. 1**

**CONTRACT NO. 7459, PROJECT NO. 53W1772, MUNIS NO. 107814
YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Item 1:

Change the bid submission date from February 20, 2015 (1:00 P.M.) to March 6, 2015 (1:00 P.M.) The bids shall be opened at 1:30 P.M. on March 6, 2015. Sealants for the windows and exterior building envelope were tested for asbestos and these samples were found positive, requiring a change in the scope of the window replacement work. Addendum #2 shall be issued on Friday February 20, 2015 to clarify these changes.

Item #2:

The thickness of the glazing units was brought into question with respect to its structural integrity and its ability to resist breakage. This shall also be addressed in Addendum #2

Item #3:

On page 2 of 25 of Division 01, SECTION 01 00 00- GENERAL REQUIREMENTS, Subsection 1.5 WORK BY THE OWNER AND OWNER FURNISHED EQUIPMENT. Paragraph B.:

Omit the sentence "The locations of this panel shall be in the electrical room on the east side of the basement." and replace it with "The location of this panel is centrally located on the north wall in the basement mechanical room. The Electrical contractor has the option to investigate and utilize open circuits in other existing panels within the basement area. See Attachment 1 for panel locations.

Item #4:

On page 19 of 25 of Division 01, SECTION 01 00 00- GENERAL REQUIREMENTS, Subsection 3.4 TEMPORARY CONSTRUCTION. Paragraph D-1.:

Add the sentence to the end of the paragraph "The contractor has the option to utilize the gas connection for the kitchen stove on the main level."

Item #5:

It was noted at the pre-bid walk thru meeting on 2/4/15, that ADT security sensor are embedded in the frame of the exterior doors. These sensors have been abandoned and are disconnected from the security

February 16, 2015

Page 2

system and do not need to be preserved for future use.

Item #6:

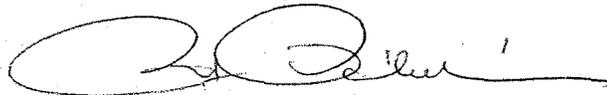
The downloadable forms in Section C only on Bid Express were found to be corrupt and have been replaced.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

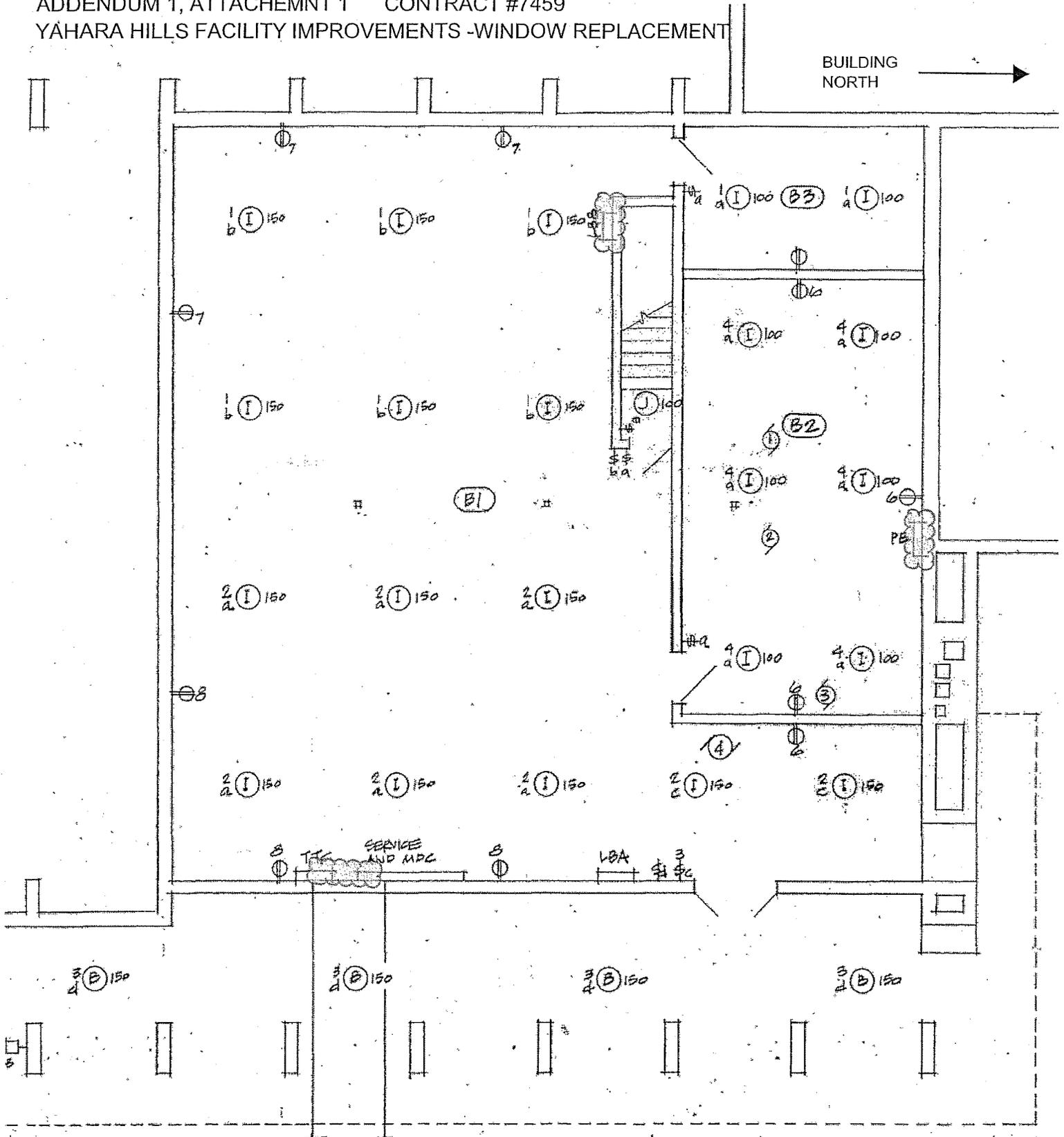
If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

A handwritten signature in black ink, appearing to read 'R. Phillips', with a large, stylized initial 'R' at the beginning.

Robert F. Phillips, P.E., City Engineer

ADDENDUM 1, ATTACHEMNT 1 CONTRACT #7459
 YÁHARA HILLS FACILITY IMPROVEMENTS -WINDOW REPLACEMENT

BUILDING NORTH 



5 BASEMENT ELECTRICAL PLAN
 II. SCALE = 1/8" = 1'-0"

 LOCATION OF EXISTING ELECTRICAL PANELS IN BASEMENT AREA.
 THIS DRAWING IS INTENDED TO SHOW THE LOCATION OF THE EXISTING PANELS ONLY. THIS IS THE ORIGINAL ELECTRICAL DRAWING FOR THE FACILITY AND DOES NOT REFLECT CHANGES OR MODIFICATION TO THE ELECTRICAL SYSTEM OR BUILDING.





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February 20, 2015

**NOTICE OF ADDENDUM
ADDENDUM NO. 2**

**CONTRACT NO. 7459, PROJECT NO. 53W1772, MUNIS NO. 107814
YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Item #1:

Page 2 of 25 of Division 01, SECTION 01 00 00- GENERAL REQUIREMENTS, Subsection 1.5 WORK BY THE OWNER AND OWNER FURNISHED EQUIPMENT. Paragraph A.:

Omit paragraph A and replace with the following:

Bulk samples were collected by A&A Environmental, Inc., from the exterior window glazing and window/door frame caulking on February 5th, 2015, Samples 8 through 15 were reported to contain 2% asbestos. The caulking and glazing are in good condition, however, when disturbed will become friable.

- Door frame caulking.
- Window frame caulking on 25 windows.
- Window glazing on 25 windows.

Sample 16 was flexible brown window caulking applied over some of the caulking that reported positive of asbestos. See CEI Labs, Asbestos Analytical Report Dated 2/11/15 (Attachment Item #1). The contractor shall be responsible for the removal of the asbestos in this work area.

The contractor removing existing windows and door shall comply with Wisconsin Administrative Code Chapter Department of Health Services 159-Certification and Training Requirements for Asbestos Activities. Workers removing the existing windows on this project shall be full asbestos certified by Wisconsin DHS at a level of worker or supervisor (not exterior certified only). The Contractor shall also coordinate directly with any and all regulatory agencies having jurisdiction over the licensing, removal, permitting, inspection, and disposal of hazardous materials as described in these documents.

The Contractor shall coordinate directly with A&A Environmental for all contractual inspections associated with the execution of this contract. Inspections and approvals received from A&A Environmental does not preclude the contractor from obtaining required regulatory inspections.

It is the intent of this contract to remove all of the asbestos immediately surrounding the areas of the doors/windows/abandon ticket window as indicated on the plans. This includes the caulking between the brick work and the adjoining wood.

February 20, 2015

Page 2

Item #2:

Replace Section 02 41 00 SELECTIVE STRUCTURE DEMOLITION with 02 41 00 SELECTIVE STRUCTURE DEMOLITION-REVISION 1 (Attachment Item #2)

Item #3:

Add: Section 07 92 00 JOINT SEALANTS (Attachment Item #3).

Item #4:

Replace Section 08 80 00 GLAZING with Section 08 80 00 GLAZING- REVISION 01 (Attachment Item #4)

Item #5:

Changes to Section 09 91 00 PAINTING

Page 09 91 00-2 Line 6: **Add:** Diamond Vogel Paints

Item #6:

Replace DRAWING A100 with DRAWING A100R (Attachment Item #6)

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

A handwritten signature in black ink, appearing to read "Robert Phillips". The signature is stylized with large, flowing loops.

Robert F. Phillips, P.E., City Engineer



February 11, 2015

A & A Environmental
N4381 US Highway 51
Poynette, WI 53955

CLIENT PROJECT: 6701 Hwy. 12/18; AA 3825
CEI LAB CODE: A15-1594

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 10, 2015. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

A & A Environmental

CLIENT PROJECT: 6701 Hwy. 12/18; AA 3825

CEI LAB CODE: A15-1594

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/11/15

TOTAL SAMPLES ANALYZED: 9

SAMPLES >1% ASBESTOS: 8

TOTAL LAYERS ANALYZED: 9

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 6701 Hwy. 12/18; AA 3825

CEI LAB CODE: A15-1594

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
08		A1913636	Black	Window Caulking	Chrysotile 2%
09		A1913637	White	Window Glazing	Chrysotile 2%
10		A1913638	Black	Window Caulking	Chrysotile 2%
11		A1913639	Brown	Window Glazing	Chrysotile 2%
12		A1913640	Black	Window Caulking	Chrysotile 2%
13		A1913641	White	Window Glazing	Chrysotile 2%
14		A1913642	Black	Window Caulking	Chrysotile 2%
15		A1913643	Brown	Window Glazing	Chrysotile 2%
16		A1913644	Brown	Window Caulking	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: A & A Environmental
 N4381 US Highway 51
 Poynette, WI 53955

CEI Lab Code: A15-1594
Date Received: 02-10-15
Date Analyzed: 02-11-15
Date Reported: 02-11-15

Project: 6701 Hwy. 12/18; AA 3825

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
08 A1913636	Window Caulking	Homogeneous	60%	Binder	2% Chrysotile
		Black	30%	Calc Carb	
		Fibrous	8%	Paint	
		Bound			
09 A1913637	Window Glazing	Homogeneous	3%	Cellulose	2% Chrysotile
		White	70%	Calc Carb	
		Fibrous	25%	Binder	
		Loose			
10 A1913638	Window Caulking	Homogeneous	60%	Binder	2% Chrysotile
		Black	30%	Calc Carb	
		Fibrous	8%	Paint	
		Bound			
11 A1913639	Window Glazing	Homogeneous	60%	Binder	2% Chrysotile
		Brown	38%	Calc Carb	
		Fibrous			
		Bound			
12 A1913640	Window Caulking	Homogeneous	60%	Binder	2% Chrysotile
		Black	30%	Calc Carb	
		Fibrous	8%	Paint	
		Bound			
13 A1913641	Window Glazing	Homogeneous	3%	Cellulose	2% Chrysotile
		White	70%	Calc Carb	
		Fibrous	25%	Binder	
		Loose			
14 A1913642	Window Caulking	Homogeneous	60%	Binder	2% Chrysotile
		Black	30%	Calc Carb	
		Fibrous	8%	Paint	
		Bound			



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: A & A Environmental
N4381 US Highway 51
Poynette, WI 53955

CEI Lab Code: A15-1594
Date Received: 02-10-15
Date Analyzed: 02-11-15
Date Reported: 02-11-15

Project: 6701 Hwy. 12/18; AA 3825

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
15 A1913643	Window Glazing	Homogeneous Brown Fibrous Bound	60% 38%	Binder Calc Carb	2% Chrysotile
16 A1913644	Window Caulking	Homogeneous Brown Fibrous Bound	5%	Cellulose 70% Binder 25% Calc Carb	None Detected



LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Sarah Talley
Sarah Talley

APPROVED BY: Tianbao Bai
Tianbao Bai, Ph.D., CIH
Laboratory Director



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SECTION 02 41 19
SELECTIVE STRUCTURE DEMOLITION -REVISION 1

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work: Glass and Select carpentry.

PART 1 - GENERAL

SCOPE

SECTION REQUIREMENTS

RELATED WORK

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION
DEMOLITION

RELATED WORK

Applicable provisions of Division 1 shall govern this section.

SECTION REQUIREMENTS

Comply with EPA regulations and hauling and disposal regulations of authorities having jurisdiction. Comply with ANSI A10.6 and NFPA 241.

Predemolition Photographs: Show existing conditions of adjoining construction and site improvements, including finish surfaces. Submit before Work begins.

Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

DEMOLITION

Requirements for Building Reuse:

Maintain existing building structure (including structural floor and roof decking) and envelope (exterior skin and framing, excluding window assemblies and nonstructural roofing material) not indicated to be demolished; do not demolish such existing construction beyond indicated limits.

Maintain existing interior nonstructural elements (interior walls, doors, floor coverings, and ceiling systems) not indicated to be demolished; do not demolish such existing construction beyond indicated limits.

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Maintain services/systems indicated to remain and protect them against damage during selective demolition operations. Before proceeding with demolition, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of the building.

Locate, identify, shut off, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be selectively demolished.

Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.

Provide and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished. Provide temporary weather protection to prevent water leakage and damage to structure and interior areas.

Protect walls, ceilings, floors, and other existing finish work that are to remain. Erect and maintain dustproof partitions. Cover and protect furniture, furnishings, and equipment that have not been removed.

Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Promptly remove demolition waste materials from Project site and legally dispose of them. Do not burn demolished materials.

Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing before demolition operations began.

END OF SECTION

1 Sealant for Interior use between brick and drywall or wood trim:

2
3 Pre-compressed, self expanding joint seal.

4
5 Sealant for Bedding Thresholds: Butyl Sealant

6
7
8 **MISCELLANEOUS MATERIALS**

9 Provide sealant backings of material that are nonstaining; are compatible with joint substrates,
10 sealants, primers, and other joint fillers; and are approved for applications indicated by sealant
11 manufacturer based on field experience and laboratory testing.

12
13 Cylindrical Sealant Backings: ASTM C 1330, of size and density to control sealant depth and
14 otherwise contribute to producing optimum sealant performance.

15
16 Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant
17 manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or
18 joint surfaces at back of joint. Provide self-adhesive tape where applicable.

19
20 Primer: Material recommended by joint-sealant manufacturer where required for adhesion of
21 sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate
22 tests and field tests.

23
24
25 **PART 3 - EXECUTION**

26
27 **PREPARATION**

28 Remove all existing sealant by cutting, scraping or grinding. See General Requirements 2.3
29 Hazardous Substances for asbestos, lead and polychlorinated biphenyls.

30
31 On porous material such as concrete, masonry or stone, the bulk of the existing caulking shall
32 first be cut out and the final caulking substrate shall then be removed by slightly cutting into
33 (grinding) the porous substrate and "peeling" off the residue, without leaving any trace of the
34 caulking on the interfaces. Continue substrate preparation as specified hereinafter.

35
36 After the joint has been cut out, all loose material shall be removed by brush, air jet, or water
37 stream.

38
39 **INSTALLATION**

40 Comply with ASTM C 1193.

41
42 Install sealant backings to support sealants during application and to produce cross-sectional
43 shapes and depths of installed sealants that allow optimum sealant movement capability.
44 Install bond-breaker tape behind sealants where sealant backings are not used between sealants
45 and backs of joints.

46
47 **END OF SECTION**

SECTION 08 80 00
GLAZING -REVISION 01

PART 1 - GENERAL

SCOPE

Include all materials and labor, services and incidentals for the completion of the following scope of work:

PART 1 - GENERAL

SCOPE

RELATED WORK

SECTION REQUIREMENTS

PART 2 - PRODUCTS

INSULATING-GLASS TYPES

GLAZING SEALANTS

PART 3 - EXECUTION

INSTALLATION

RELATED WORK

Applicable provisions of Division 1 shall govern this section.

Section 08 14 33 Stile and Rail Wood Doors

SECTION REQUIREMENTS

Submittals: Product Data and 12-inch- (300-mm-) square Samples.

Safety Glass: Category II materials complying with testing requirements in 16 CFR 1201.

Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated.

IANA Publications: IANA's "Glazing Manual.

IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."

Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

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PART 2 - PRODUCTS

GLASS PRODUCTS

Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190.

INSULATING-GLASS TYPES

Glass Type [GL-1]: Low-e-coated, clear insulating glass.

Overall Unit Thickness: 1 inch (25 mm)

Thickness of Each Glass Lite: 6.0 mm (1/4 INCH)

Outdoor Lite: Float glass (Fully tempered float glass).

Interspace Content: Argon.

Indoor Lite: Float glass (Fully tempered float glass).

Visible Light Transmittance: 60 percent minimum.

Winter Nighttime U-Factor: .25 maximum.

Summer Daytime U-Factor: .21 maximum.

Solar Heat Gain Coefficient: .3 maximum.

Provide safety glazing labeling.

Glass Type [GL-2]: Low-e-coated, clear insulating glass.

Overall Unit Thickness: 1- 1/8" inch (29 mm)

Thickness of Each Glass Lite: 5/16" inch (8mm)

GLAZING SEALANTS

Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 25, Use NT.

PART 3 - EXECUTION

INSTALLATION

Comply with combined recommendations of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are contained in GANA's "Glazing Manual."

Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
Remove nonpermanent labels, and clean surfaces immediately after installation.

WORK NOTES

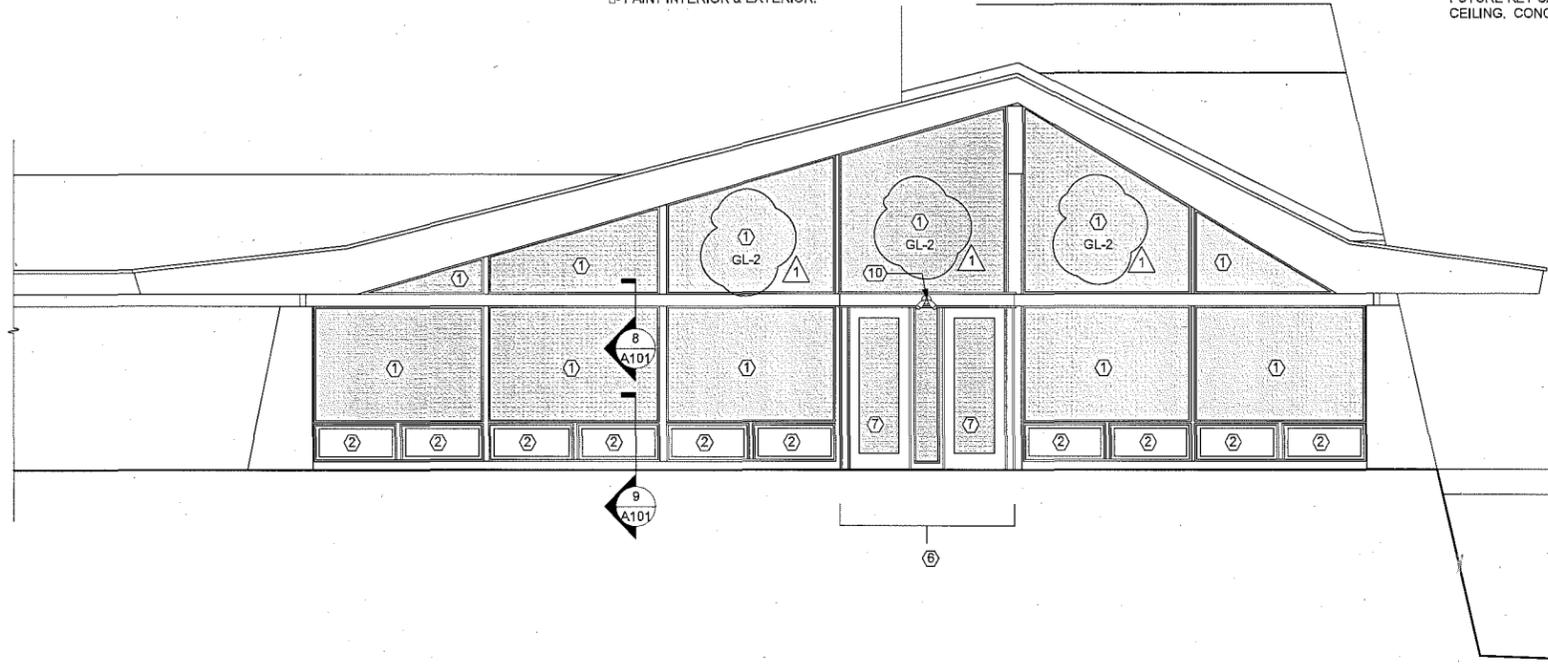
1. ALL EXISTING TO REMAIN INTERIOR & EXTERIOR WOOD COMPONENTS OF WINDOW WALLS, FROM FLOOR TO UNDERSIDE OF ROOF DECK, SHALL BE REFINISHED. SEE SPECIFICATIONS SECTION 09 01 90 MAINTENANCE OF PAINTING & COATINGS & 09 91 00 PAINTING.
2. ALL NEW WOOD COMPONENTS OF WINDOW WALLS, INTERIOR & EXTERIOR, SHALL BE FINISHED TO MATCH THEIR EXISTING COUNTERPARTS.
3. EXISTING SEALANT HAS BEEN TESTED AND FOUND TO CONTAIN ASBESTOS. SEE SPECIFICATION, GENERAL REQUIREMENTS SECTION 1.5 FOR CONTRACTOR RESPONSIBILITY FOR ASBESTOS IN WORK AREA.

WORK KEYNOTES

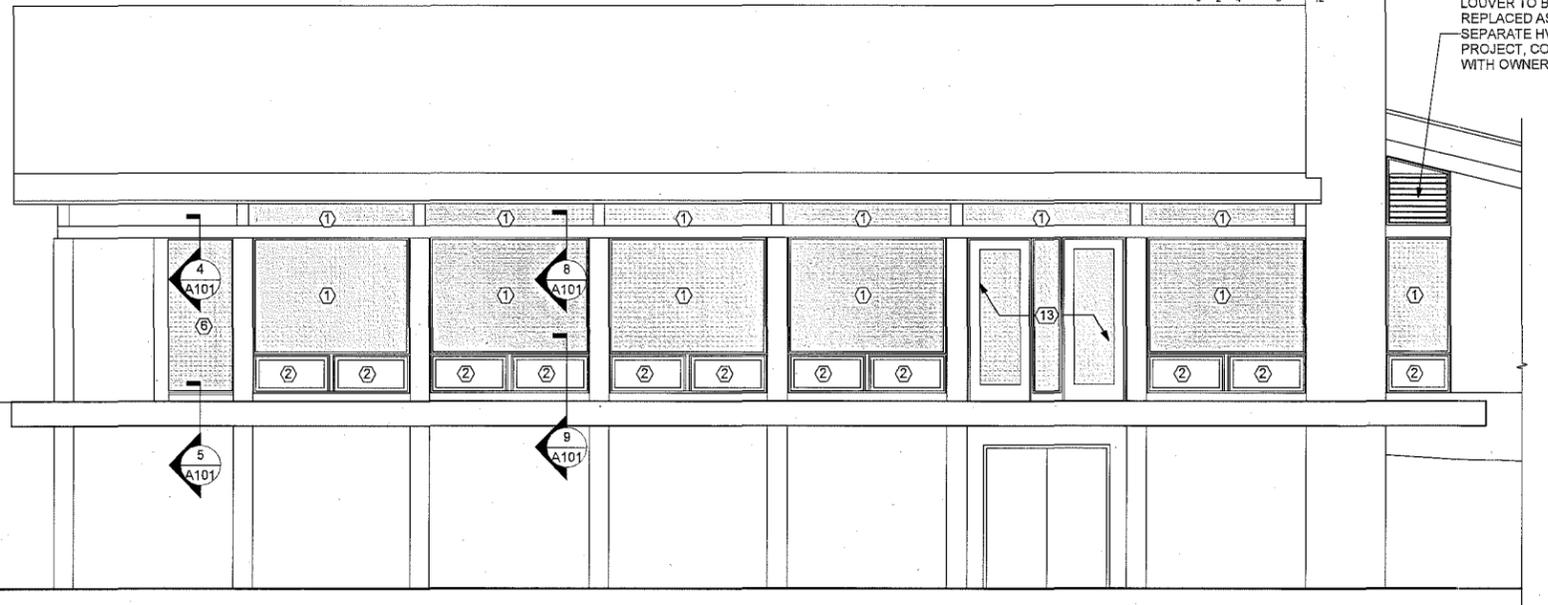
1. FIXED GLAZING REPLACEMENT:
 - REMOVE EXISTING STOPS & SINGLE-PANE GLAZING.
 - INSTALL NEW IGU.
 - CUT BACK EXISTING STOPS FOR NEW THICKER GLAZING (OR MILL NEW TO MATCH, CONTRACTOR'S OPTION), REINSTALL. GL-1 UNLESS NOTED OTHERWISE ON ELEVATIONS.
2. OPERABLE WINDOW REPLACEMENT:
 - REMOVE EXISTING WOOD HOPPER WINDOW UNIT, INTERIOR STOPS, SILLS.
 - INSTALL NEW EXT. PLWD. PANEL WITH NEW STOPS.
3. NEW 2x4 PARTITIONS TO SILL HEIGHT:
 - SEE DETAIL 9/A101.
 - PROVIDE BLOCKING FOR NEW BASEBOARD HYDRONIC HEAT (SEPARATE HVAC PROJECT), COORDINATE WITH OWNER.
 - PROVIDE DUPLEX ELECTRICAL RECEPTACLE EVERY 8' IN NEW PARTITION, 25" A.F.F. 20 AMP CIRCUIT FOR RECEPTACLES, 2 RECEPTACLES PER CIRCUIT.
4. ABANDON TICKET WINDOW:
 - REMOVE EXISTING TICKET WINDOW & COUNTER.
 - INSTALL NEW EXTERIOR PLYWOOD PANEL, WOOD STOPS, INTERIOR FURRING, SPRAY FOAM INSULATION, GWB, SIMILAR TO DETAIL 9/A101.
 - PAINT INTERIOR & EXTERIOR.
5. EXISTING ENTRY DEMO:
 - REMOVE EXISTING DOORS, FRAMES, SIDELIGHT BELOW WOOD BEAM.
 - TRIM OPENING, SEE KEYED DETAILS.
6. NEW VESTIBULE:
 - SEE DETAILS FOR NEW WOOD FRAMING
 - EXTERIOR WALLS BEAR ON EXISTING CONCRETE SLAB & FROSTWALL
 - INTERIOR WALLS BEAR ON EXISTING PRECAST & TOPPING.
 - CUT EXISTING INTERIOR CARPET & REMOVE FOR NEW WALLS & FINISHES.
 - INTERIOR CEILING FRAMING 2x6 @ 16" O.C.
 - 1x4 T&G WOOD CEILING.
 - RESILIENT TILE FLOORING
7. NEW ENTRY DOORS:
 - 3'-0" x 8'-0" x 2" THICK STILE & RAIL WOOD
 - FULL LITE
 - DOOR HARDWARE HS-2.
8. PROVIDE NEW EXIT LIGHT/ EMERGENCY LIGHT COMBO FIXTURE

9. PROVIDE RECESSED L.E.D. CAN LIGHT IN CEILING.
10. RELOCATE EXISTING SPOTLIGHT FIXTURE FROM ABOVE EXISTING DOORS TO ABOVE NEW DOORS.
11. KITCHEN SERVICE DOOR REPLACEMENT:
 - REMOVE EXISTING FLUSH WOOD DOOR & H.M. FRAME FROM EXISTING MASONRY OPENING.
 - INSTALL NEW H.M. FRAME PREPPED FOR ELECTRIC STRIKE.
 - INSTALL NEW 3'-0" x 8'-0" x 1-3/4" THICK FLUSH WOOD DOOR
 - DOOR HARDWARE HS-1
 - STUB IN CONDUIT & WIRE FOR ELECTRIC STRIKE/ FUTURE KEY CARD SYSTEM, TERMINATE ABOVE CEILING.
12. ACTIVE ENTRY DOOR REPLACEMENT:
 - REMOVE EXISTING FLUSH WOOD DOOR, ALUMINUM SCREEN DOOR, & WOOD DOOR FRAME.
 - INSTALL NEW STILE & RAIL WOOD DOOR, 3'-0" x 8'-0" x 2" THICK, FULL LITE
 - DOOR HARDWARE HS-3
 - INSTALL NEW WOOD DOOR FRAME MILLED TO MATCH EXISTING EXCEPT FOR 2" THICK DOOR & PREP FOR ELECTRIC STRIKE.
 - STUB CONDUIT & WIRE FOR ELECTRIC STRIKE/ FUTURE KEY CARD SYSTEM, TERMINATE ABOVE CEILING. CONCEAL CONDUIT IN JAMB FRAME.

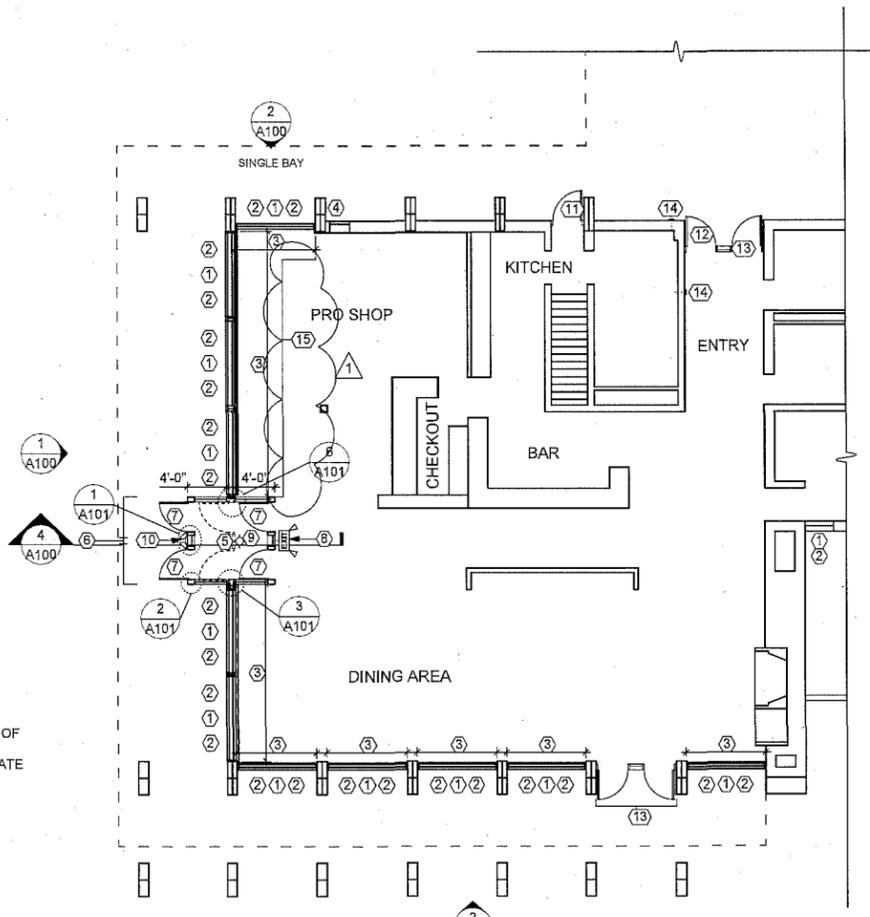
13. INACTIVE ENTRY DOOR REPLACEMENT:
 - REMOVE EXISTING FLUSH WOOD DOOR, ALUMINUM SCREEN DOOR, & WOOD DOOR FRAME.
 - INSTALL NEW STILE & RAIL WOOD DOOR, 3'-0" x 8'-0" x 2" THICK, FULL LITE
 - DOOR HARDWARE HS-1
 - INSTALL NEW WOOD DOOR FRAME MILLED TO MATCH EXISTING EXCEPT FOR 2" THICK DOOR.
 - REMOVE SIDELIGHT GLAZING, REPLACE WITH NEW IGU GL-1. CUT DOWN EXTERIOR STOPS FOR THICKER GLAZING & REINSTALL, OR MILL NEW TO MATCH (CONTRACTOR'S OPTION).
14. RUBBINGTON FOR DOOR OPERATOR
15. DEMO EXISTING SILL HEIGHT PARTITIONS:
 - REMOVE EXISTING INTERIOR WOOD SLATWALL
 - REMOVE EXISTING FURRING AND INSULATION



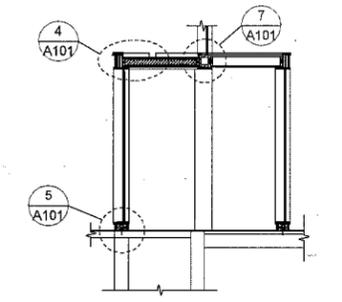
1 SOUTH ELEVATION
Scale: 1/4" = 1'-0"



2 EAST ELEVATION
Scale: 1/4" = 1'-0"



3 KEYPLAN - 1ST FLOOR
Scale: 1/8" = 1'-0"



4 VESTIBULE SECTION
Scale: 1/4" = 1'-0"



Consultant:

CITY OF MADISON
210 MARTIN LUTHER KING, JR BLVD, RM. 115
MADISON, WI 53703-3342

Location:
6701 HIGHWAY 12
MADISON, WI 53718

YAHARA HILLS FACILITY IMPROVEMENTS
- WINDOW REPLACEMENT
CITY OF MADISON
CONTRACT NO. 7459

Sheet Title:
KEYPLAN & ELEVATIONS

No.	Date	Description
1	02/20/2015	GLAZING & DEMO NOTE ADDENDUM #2

Graphic Scale	
Project Number	1428
Set Type	BIDDING
Date Issued	01/14/2015
Sheet Number	A100R

WORK NOTES

1. ALL EXISTING TO REMAIN INTERIOR & EXTERIOR WOOD COMPONENTS OF WINDOW WALLS, FROM FLOOR TO UNDERSIDE OF ROOF DECK, SHALL BE REFINISHED. SEE SPECIFICATIONS SECTION 09 01 90 MAINTENANCE OF PAINTING & COATINGS & 09 91 00 PAINTING.

2. ALL NEW WOOD COMPONENTS OF WINDOW WALLS, INTERIOR & EXTERIOR, SHALL BE FINISHED TO MATCH THEIR EXISTING COUNTERPARTS.

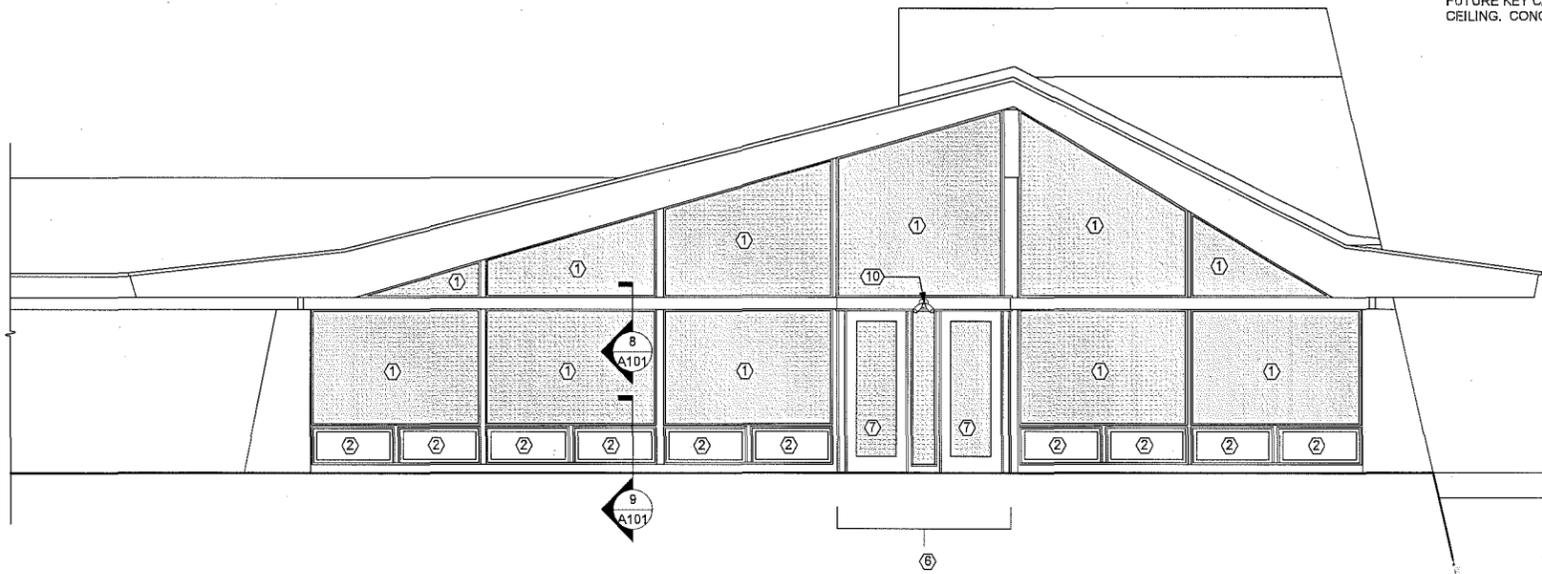
WORK KEYNOTES

- 1. FIXED GLAZING REPLACEMENT:
 - REMOVE EXISTING STOPS & SINGLE-PANE GLAZING.
 - INSTALL NEW IGLU.
 - CUT BACK EXISTING STOPS FOR NEW THICKER GLAZING (OR MILL NEW TO MATCH, CONTRACTOR'S OPTION), REINSTALL.
- 2. OPERABLE WINDOW REPLACEMENT:
 - REMOVE EXISTING WOOD HOPPER WINDOW UNIT, INTERIOR STOPS, SILLS.
 - INSTALL NEW EXT. PLWD. PANEL WITH NEW STOPS.
- 3. NEW 2x4 PARTITIONS TO SILL HEIGHT:
 - SEE DETAIL 9/A101.
 - PROVIDE BLOCKING FOR NEW BASEBOARD HYDRONIC HEAT (SEPARATE HVAC PROJECT), COORDINATE WITH OWNER.
 - PROVIDE DUPLEX ELECTRICAL RECEPTACLE EVERY 8' IN NEW PARTITION, 25" A.F.F. 20 AMP CIRCUIT FOR RECEPTACLES, 2 RECEPTACLES PER CIRCUIT.
- 4. ABANDON TICKET WINDOW:
 - REMOVE EXISTING TICKET WINDOW & COUNTER.
 - INSTALL NEW EXTERIOR PLYWOOD PANEL, WOOD STOPS, INTERIOR FURRING, SPRAY FOAM INSULATION, GWB, SIMILAR TO DETAIL 9/A101.
 - PAINT INTERIOR & EXTERIOR.

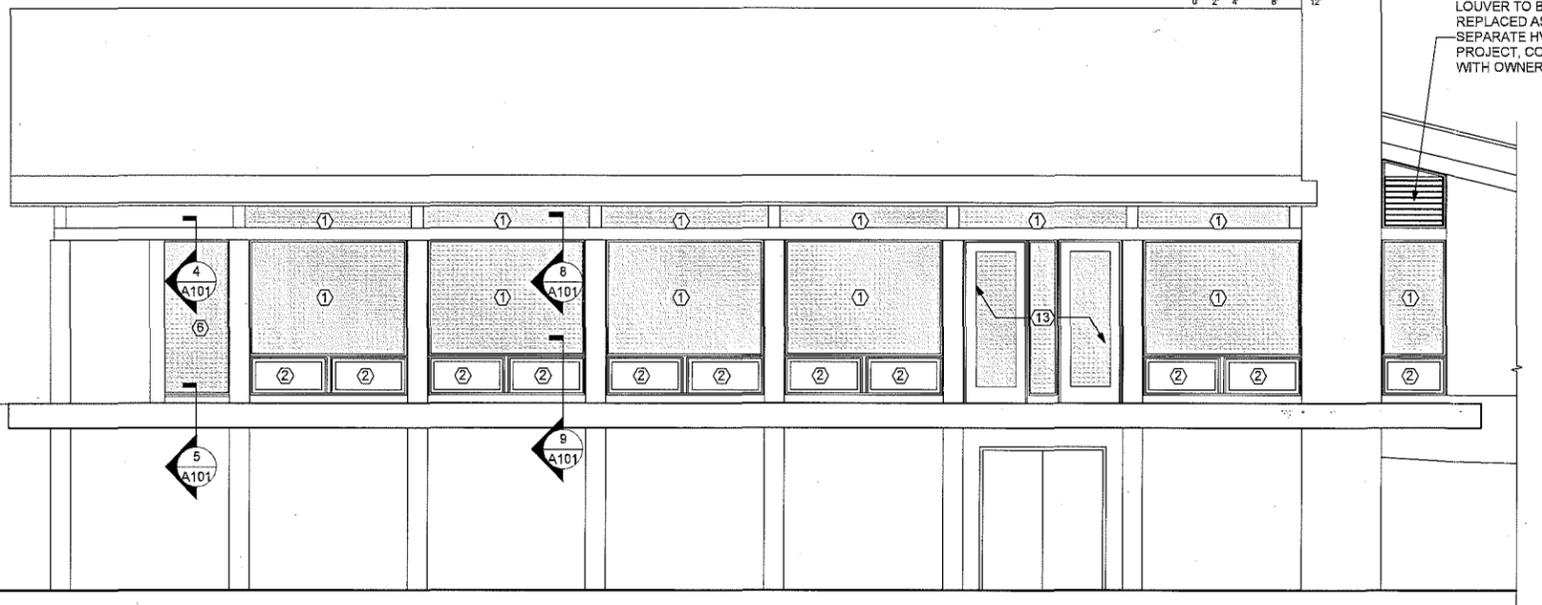
- 5. EXISTING ENTRY DEMO:
 - REMOVE EXISTING DOORS, FRAMES, SIDELIGHT BELOW WOOD BEAM.
 - TRIM OPENING, SEE KEYED DETAILS.
- 6. NEW VESTIBULE:
 - SEE DETAILS FOR NEW WOOD FRAMING
 - EXTERIOR WALLS BEAR ON EXISTING CONCRETE SLAB & FROSTWALL
 - INTERIOR WALLS BEAR ON EXISTING PRECAST & TOPPING.
 - CUT EXISTING INTERIOR CARPET & REMOVE FOR NEW WALLS & FINISHES.
 - INTERIOR CEILING FRAMING 2x6 @ 16" O.C.
 - 1x4 T&G WOOD CEILING.
 - RESILIENT TILE FLOORING
- 7. NEW ENTRY DOORS:
 - 3'-0" x 8'-0" x 2" THICK STILE & RAIL WOOD
 - FULL LITE
 - DOOR HARDWARE HS-2.
- 8. PROVIDE NEW EXIT LIGHT/ EMERGENCY LIGHT COMBO FIXTURE

- 9. PROVIDE RECESSED L.E.D. CAN LIGHT IN CEILING.
- 10. RELOCATE EXISTING SPOTLIGHT FIXTURE FROM ABOVE EXISTING DOORS TO ABOVE NEW DOORS.
- 11. KITCHEN SERVICE DOOR REPLACEMENT:
 - REMOVE EXISTING FLUSH WOOD DOOR & H.M. FRAME FROM EXISTING MASONRY OPENING.
 - INSTALL NEW H.M. FRAME PREPPED FOR ELECTRIC STRIKE
 - INSTALL NEW 3'-0" x 8'-0" x 1-3/4" THICK FLUSH WOOD DOOR
 - DOOR HARDWARE HS-1
 - STUB IN CONDUIT & WIRE FOR ELECTRIC STRIKE/ FUTURE KEY CARD SYSTEM, TERMINATE ABOVE CEILING.
- 12. ACTIVE ENTRY DOOR REPLACEMENT:
 - REMOVE EXISTING FLUSH WOOD DOOR, ALUMINUM SCREEN DOOR, & WOOD DOOR FRAME.
 - INSTALL NEW STILE & RAIL WOOD DOOR, 3'-0" x 8'-0" x 2" THICK, FULL LITE
 - DOOR HARDWARE HS-3
 - INSTALL NEW WOOD DOOR FRAME MILLED TO MATCH EXISTING EXCEPT FOR 2" THICK DOOR & PREP FOR ELECTRIC STRIKE.
 - STUB CONDUIT & WIRE FOR ELECTRIC STRIKE/ FUTURE KEY CARD SYSTEM, TERMINATE ABOVE CEILING. CONCEAL CONDUIT IN JAMB FRAME.

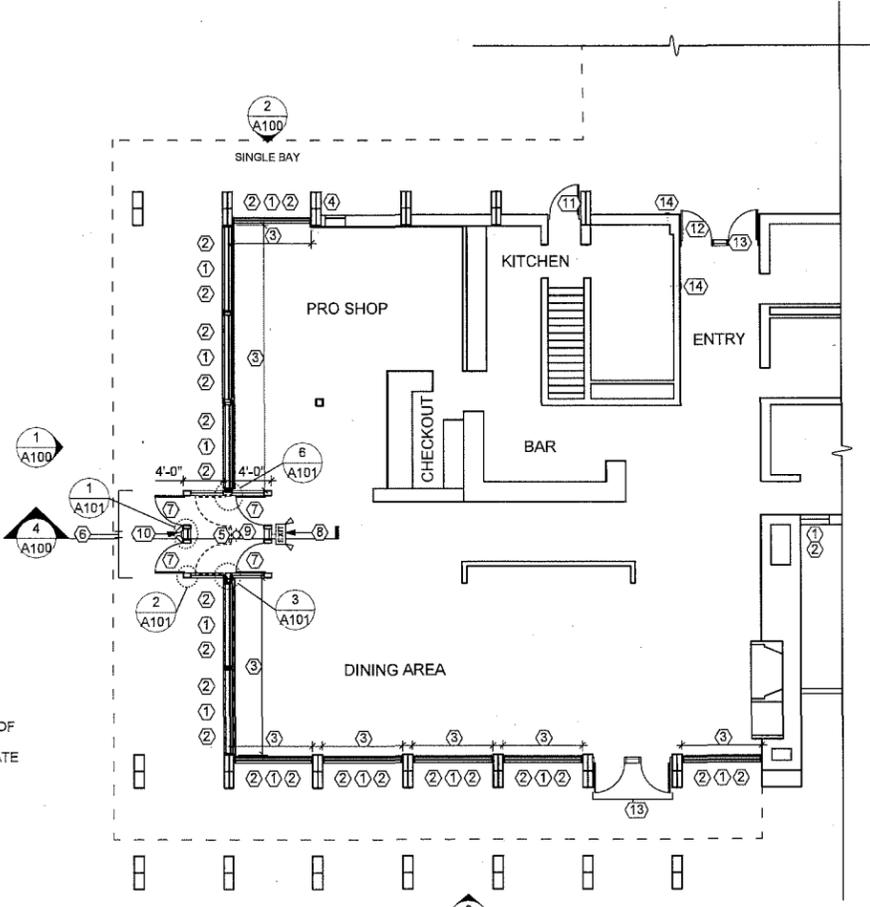
- 13. INACTIVE ENTRY DOOR REPLACEMENT:
 - REMOVE EXISTING FLUSH WOOD DOOR, ALUMINUM SCREEN DOOR, & WOOD DOOR FRAME.
 - INSTALL NEW STILE & RAIL WOOD DOOR, 3'-0" x 8'-0" x 2" THICK, FULL LITE
 - DOOR HARDWARE HS-1
 - INSTALL NEW WOOD DOOR FRAME MILLED TO MATCH EXISTING EXCEPT FOR 2" THICK DOOR.
 - REMOVE SIDELIGHT GLAZING, REPLACE WITH NEW IGLU GL-1. CUT DOWN EXTERIOR STOPS FOR THICKER GLAZING & REINSTALL, OR MILL NEW TO MATCH (CONTRACTOR'S OPTION).
- 14. PUSHBUTTON FOR DOOR OPERATOR



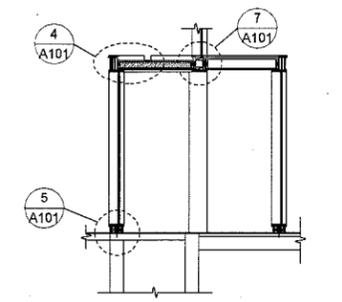
1 SOUTH ELEVATION
Scale: 1/4" = 1'-0"



2 EAST ELEVATION
Scale: 1/4" = 1'-0"



3 KEYPLAN - 1ST FLOOR
Scale: 1/8" = 1'-0"



4 VESTIBULE SECTION
Scale: 1/4" = 1'-0"

LOUVER TO BE REPLACED AS PART OF SEPARATE HVAC PROJECT, COORDINATE WITH OWNER.



KONTEXT
architects
building relationships
404 Hillcrest Drive - Sun Prairie, WI

Consultant:

CITY OF MADISON
210 MARTIN LUTHER KING, JR BLVD, RM. 115
MADISON, WI 53703-3342



6701 HIGHWAY 12
MADISON, WI 53718

YAHARA HILLS FACILITY IMPROVEMENTS
- WINDOW REPLACEMENT
CITY OF MADISON
CONTRACT NO. 7459

Sheet Title: **KEYPLAN & ELEVATIONS**

Revisions:		
No.	Date	Description

Graphic Scale	
Project Number	1428
Set Type	BIDDING
Date Issued	01/14/2015
Sheet Number	A100

© KONTEXT architects

REPLACED BY A100R

SECTION E: BIDDERS ACKNOWLEDGEMENT

YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO. 7459

Bidder must state a Unit Price and Total Bid for each item. The Total Bid for each item must be the product of quantity, by Unit Price. The Grand Total must be the sum of the Total Bids for the various items. In case of multiplication errors or addition errors, the Grand Total with corrected multiplication and/or addition shall determine the Grand Total bid for each contract. The Unit Price and Total Bid must be entered numerically in the spaces provided. All words and numbers shall be written in ink.

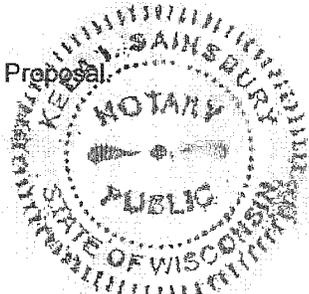
1. The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2014 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda to the Contract Nos. _____ through _____ issued thereto, at the prices for said work as contained in this proposal. (Electronic bids submittals shall acknowledge addendum under Section E and shall not acknowledge here)
2. If awarded the Contract, we will initiate action within seven (7) days after notification or in accordance with the date specified in the contract to begin work and will proceed with diligence to bring the project to full completion within the number of work days allowed in the Contract or by the calendar date stated in the Contract.
3. The undersigned Bidder or Contractor certifies that he/she is not a party to any contract, combination in form of trust or otherwise, or conspiracy in restraint of trade or commerce or any other violation of the anti-trust laws of the State of Wisconsin or of the United States, with respect to this bid or contract or otherwise.
4. I hereby certify that I have met the Bid Bond Requirements as specified in Section 102.5. (IF BID BOND IS USED, IT SHALL BE SUBMITTED ON THE FORMS PROVIDED BY THE CITY. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID).
5. I hereby certify that all statements herein are made on behalf of Joe Daniels Construction Co., Inc. (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of Wisconsin a partnership consisting of _____; an individual trading as _____; of the City of Madison State of Wisconsin; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

Joseph A. Daniels
 SIGNATURE Joseph A. Daniels
 President
 TITLE, IF ANY

Sworn and subscribed to before me this
6th day of March, 2015

Karen J. Sainsbury
 (Notary Public or other officer authorized to administer oaths)
 My Commission Expires 07/17/2016

Bidders shall not add any conditions or qualifying statements to this Proposal.



Contract 7459 – Joe Daniels Construction Co., Inc.

Section E: Bidder's Acknowledgement

This section is a required document for the bid to be considered complete. There are two methods for completing the Bidder Acknowledgement Report. Method one: The report can be downloaded, completed, and uploaded to this site to be included with your electronic bid. Method two: The report can be downloaded from the site and submitted by hand to the City of Madison. Either method of submission requires that the Bidder Acknowledgement Report be received by the bid due date.

Please select the method of submission below. The form is in the section below to download and upload to the site or download and submit by hand.

Please check the box in the Upload section if submitting the report by hand.

Method of Submittal for Bidder Acknowledgement (click in box below to choose) *
I will download Bidder Acknowledgement Downloadable Document, complete, and upload online.

The bidder acknowledges receipt of the following addenda to the contract for the above designated project. Please check the appropriate box for each addendum reviewed. If no addenda have been issued, then no boxes are required to be checked.

Any addenda issues after 12:00 P.M. on the Wednesday proceeding the bid due date shall include a provision extending the bid due date.

Addendum Acknowledgement

Acknowledge each Addenda reviewed by checking the appropriate checkboxes below.

- Addendum 1 *
- Addendum 2 *
- Addendum 3
- Addendum 4
- Addendum 5
- Addendum 6

Section F: Disclosure of Ownership and BVC

This section is a required document for the bid to be considered complete. There are two methods for completing the Disclosure of Ownership and BVC form. Method one: The form can be filled out online and submitted to this site to be included with your electronic bid. Method two: The form can be downloaded from the site and submitted by hand to the City of Madison.

Method of Submittal for Disclosure of Ownership and BVC (click in box below to choose) *
I will submit Bid Express fillable online form (Disclosure of Ownership and BVC).

Notice required under Section 15.04(1)(m), Wisconsin Statutes. The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d), Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12). Personal information you provide may be used for secondary purposes.

(1) On the date a contractor submits a bid to or completes negotiations with a state agency or local governmental unit, on a project subject to Section 66.0903 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency or local governmental unit the name of any "other construction business", which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.

(2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 103.49(2) and 103.50(2), Wisconsin Statutes.

(3) This form must ONLY be filed, with the state agency or local governmental unit that will be awarding the contract, if both (A) and (B) are met.

(A) The contractor, or a shareholder, officer or partner of the contractor:

1. Owns at least a 25% interest in the "other construction business", indicated below, on the date the contractor submits a bid or completes negotiations.

2. Or has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.

(B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.

Other Construction Business

Not Applicable

Name of Business

Street Address or PO Box
City, State and Zip Code

Best Value Contracting

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.

2. Madison General Ordinance (M.G.O.), 33.07(7), does provide for some exemptions from the active apprentice requirement. Apprenticeable trades are those trades considered apprenticeable by the State of Wisconsin. Please check applicable box if you are seeking an exemption.

Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.

No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.

Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.

First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.

Contractor has been in business less than one year.

Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.

3. The Contractor shall indicate on the following section which apprenticeable trades are to be used on this contract. Compliance with active apprenticeship, to the extent required by M.G.O. 33.07(7), shall be satisfied by documentation from an applicable trade training body; an apprenticeship contract with the Wisconsin Department of Workforce Development or a similar agency in another state; or the U.S Department of Labor. This documentation is required prior to the Contractor beginning work on the project site.

The Contractor has reviewed the list and shall not use any apprenticeable trades on this project.

LIST APPRENTICABLE TRADES (check all that apply to your work to be performed on this contract)

- BRICKLAYER
- CARPENTER
- CEMENT MASON / CONCRETE FINISHER
- CEMENT MASON (HEAVY HIGHWAY)
- CONSTRUCTION CRAFT LABORER
- DATA COMMUNICATION INSTALLER
- ELECTRICIAN
- ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC INSTALL / SERVICE
- GLAZIER
- HEAVY EQUIPMENT OPERATOR / OPERATING ENGINEER
- INSULATION WORKER (HEAT and FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER and DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER and WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER and FINISHER
- TELECOMMUNICATIONS (VOICE, DATA and VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

**YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO. 7459**

Small Business Enterprise Compliance Report

This information may be submitted electronically through
Bid Express or submitted with bid in sealed envelope.

Cover Sheet

Prime Bidder Information

Company: Joe Daniels Construction Co., Inc.

Address: 919 Applegate Road, Madison, WI 53713

Telephone Number: 608/271-4800 Fax Number: 608/271-4570

Contact Person/Title: Joseph A. Daniels - President

Prime Bidder Certification

I, Joseph A. Daniels, President of
Name Title

Joe Daniels Construction Co., Inc. certify that the information
Company

contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.

Kevin E. Sainsbury
Witness' Signature

Joseph A. Daniels
Bidder's Signature

March 6, 2015
Date

**YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO. 7459**

Small Business Enterprise Compliance Report

Summary Sheet

SBE Subcontractors Who Are NOT Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount	
All American Electric & Power	Electric	2.98	%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
Subtotal SBE who are NOT suppliers:		<u>2.98</u>	%

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount	
			%
			%
			%
			%
			%
			%
			%
Subtotal Contractors who are suppliers:		<u>-0-</u>	% x 0.6 = <u>-0-</u> % (discounted to 60%)
Total Percentage of SBE Utilization:		<u>2.98</u>	%.

DANIELS

General Contractors

March 6, 2015

Affirmative Action Department
Madison Municipal Building
215 Martin Luther King Jr. Blvd.
Madison, WI 53701-1626

Re: Yahara Hills Facility Improvements - Window Replacement
Contract #7459

On the above listed project, we intend to subcontract the following work.

Electric, Asbestos Abatement, Roofing, Spray Insulation,
Flooring and Auto Door Operators

Sincerely,



Joseph A. Daniels
President

kis



YAHARA HILLS FACILITY IMPROVEMENTS - WINDOW REPLACEMENT

CONTRACT NO. 7459

Date: 3/6/15

Joe Daniels Construction

Item	Quantity	Price	Extension
Section B: Proposal Page			
1 - Lump Sum Bid - LS	1.00	\$162,776.00	\$162,776.00
Totals			\$162,776.00



Department of Public Works
City Engineering Division

608 266 4751

Robert F. Phillips, P.E.
City Engineer

City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
608 264 9275 FAX
1 866 704 2315 Textnet

Principal Engineers
Michael R. Dailey, P.E.
Christina M. Bachmann, P.E.
John S. Fahrney, P.E.
Gregory T. Fries, P.E.

Facilities & Sustainability
Jeanne E. Hoffman, Manager
James C. Whitney, A.I.A.

Operations Manager
Kathleen M. Cryan

GIS Manager
David A. Davis, R.L.S.

Financial Officer
Steven B. Danner-Rivers
Hydrogeologist
Brynn Bemis

BIENNIAL BID BOND

Joe Daniels Construction Co. Inc.

(a corporation of the State of Wisconsin)

(individual), (partnership), (hereinafter referred to as the "Principal") and
The Cincinnati Insurance Company

a corporation of the State of Ohio (hereinafter referred to as the "Surety") and licensed to do business in the State of Wisconsin, are held and firmly bound unto the City of Madison, Wisconsin (hereinafter referred to as the "City"), in the sum equal to the individual proposal guaranty amounts of the total bid or bids of the Principal herein accepted by the City, for the payment of which the Principal and the Surety hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of this obligation is that the Principal has submitted to the City certain bids for projects from the time period of February 1st, 2014 through January 31st, 2016

If the Principal is awarded the contract(s) by the City and, within the time and manner required by law after the prescribed forms are presented for its signature, the Principal enters into (a) written contract(s) in accordance with the bid(s), and files with the City its bond(s) guaranteeing faithful performance and payment for all labor and materials, as required by law, or if the City rejects all bids for the work described, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

In the event the Principal shall fail to execute and deliver the contract(s) or the performance and payment bond(s), all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to pay to the City within ten (10) calendar days of written demand a total equal to the sum of the individual proposal guaranty amounts of the total bid(s) as liquidated damages.

The Surety, for value received, hereby agrees that the obligations of it and its bond shall be in no way impaired or affected by any extension of time within which the City may accept a bid, and the Surety does hereby waive notice of any such extension.

This bond may be terminated by the Surety upon giving thirty (30) days written notice to the City of its intent to terminate this bond and to be released and discharged therefrom, but such termination shall not operate to relieve or discharge the Surety from any liability already accrued or which shall accrue before the expiration of such thirty (30) day period.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

PRINCIPAL

Joe Daniels Construction Co. Inc.
COMPANY NAME AFFIX SEAL

1/13/14
DATE

By: Joseph A. Daniels
SIGNATURE AND TITLE
Joseph A. Daniels - President

SURETY

The Cincinnati Insurance Company
COMPANY NAME AFFIX SEAL

1/13/14
DATE

By: Brooke L. Parker
SIGNATURE AND TITLE
Brooke L. Parker, Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under License No. 2512433 for the year 2014, and appointed as attorney in fact with authority to execute this bid bond, which power of attorney has not been revoked.

1/13/14
DATE

Brooke L. Parker
AGENT Brooke L. Parker, Hausmann-Johnson

700 Regent St.
ADDRESS

Madison, WI 53715
CITY, STATE AND ZIP CODE

608-257-3795
TELEPHONE NUMBER

Note to Surety and Principal: Any bid submitted which this bond guarantees may be rejected if the Power of Attorney form showing that the Agent of Surety is currently authorized to execute bonds on behalf of Surety is not attached to this bond.

THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

Tim Hausmann; Jeff Hausmann; Steven L. Squires; Sheila Dickey; Judith A. Walker; Patrick A. McKenna; Brooke L. Parker and/or Kelsey Jacobson

of Madison, Wisconsin its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows:

Any such obligations in the United States, up to Thirty Million and No/100 Dollars (\$30,000,000.00).

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1958, which resolution is still in effect:

"RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

"RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 10th day of May, 2012.



THE CINCINNATI INSURANCE COMPANY

Signature of Stephen A. Justice

Vice President

STATE OF OHIO) ss:
COUNTY OF BUTLER)

On this 10th day of May, 2012, before me came the above-named Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.



Signature of Mark J. Huller

MARK J. HULLER, Attorney at Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date. Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio.
this 13 day of January, 2014



Signature of Scott R. Bolen

Assistant Secretary

SECTION H: AGREEMENT

THIS AGREEMENT made this 15th day of April in the year Two Thousand and Fifteen between **JOE DANIELS CONSTRUCTION CO., INC.**, hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted **MARCH 31, 2015**, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT CONTRACT NO. 7459

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of **ONE HUNDRED SIXTY-TWO THOUSAND SEVEN HUNDRED SEVENTY-SIX (\$162,776.00)** Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Wage Rates for Employees of Public Works Contractors**

General and Authorization. The Contractor shall compensate its employees at the prevailing wage rate in accordance with section 66.0903, Wis. Stats., DWD 290 of the Wisconsin Administrative Code and as hereinafter provided unless otherwise noted in Section D: Special Provisions, Subsection 102.10 – Minimum Rate of Wage Scale.

“Public Works” shall include building or work involving the erection, construction, remodeling, repairing or demolition of buildings, parking lots, highways, streets, bridges, sidewalks, street lighting, traffic signals, sanitary sewers, water mains and appurtenances, storm sewers, and the grading and landscaping of public lands.

“Building or work” includes construction activity as distinguished from manufacturing, furnishing of materials, or servicing and maintenance work, except for the delivery of mineral aggregate such as sand, gravel, bituminous asphaltic concrete or stone which is incorporated into the work under contract with the City by depositing the material directly in final place from transporting vehicle.

“Erection, construction, remodeling, repairing” means all types of work done on a particular building or work at the site thereof in the construction or development of the project, including without limitation, erecting, construction, remodeling, repairing, altering, painting, and decorating, the transporting of materials and supplies to or from the building or work done by the employees of the Contractor, Subcontractor, or Agent thereof, and the manufacturing or furnishing of

materials, articles, supplies or equipment on the site of the building or work, by persons employed by the Contractor, Subcontractor, or Agent thereof.

"Employees working on the project" means laborers, workers, and mechanics employed directly upon the site of work.

"Laborers, Workers, and Mechanics" include pre-apprentices, helpers, trainees, learners and properly registered and indentured apprentices but exclude clerical, supervisory, and other personnel not performing manual labor.

Establishment of Wage Rates. The Department of Public Works shall periodically obtain a current schedule of prevailing wage rates from DWD. The schedule shall be used to establish the City of Madison Prevailing Wage Rate Schedule for Public Works Construction (prevailing wage rate). The Department of Public Works may include known increases to the prevailing wage rate which can be documented and are to occur on a future specific date. The prevailing wage rate shall be included in public works contracts subsequently negotiated or solicited by the City. Except for known increases contained within the schedule, the prevailing wage rate shall not change during the contract. The approved wage rate is attached hereto.

Workforce Profile. The Contractor shall, at the time of signature of the contract, notify the City Engineer in writing of the names and classifications of all the employees of the Contractor, Subcontractors, and Agents proposed for the work. In the alternative, the Contractor shall submit in writing the classifications of all the employees of the Contractor, Subcontractors and Agents and the total number of hours estimated in each classification for the work. This workforce profile(s) shall be reviewed by the City Engineer who may, within ten (10) days, object to the workforce profile(s) as not being reflective of that which would be required for the work. The Contractor may request that the workforce profile, or a portion of the workforce profile, be submitted after the signature of the contract but at least ten (10) days prior to the work commencing. Any costs or time loss resulting from modifications to the workforce profile as a result of the City Engineer's objections shall be the responsibility of the Contractor.

Payrolls and Records. The Contractor shall keep weekly payroll records setting forth the name, address, telephone number, classification, wage rate and fringe benefit package of all the employees who work on the contract, including the employees of the Contractor's subcontractors and agents. Such weekly payroll records must include the required information for all City contracts and all other contracts on which the employee worked during the week in which the employee worked on the contract. The Contractor shall also keep records of the individual time each employee worked on the project and for each day of the project. Such records shall also set forth the total number of hours of overtime credited to each such employee for each day and week and the amount of overtime pay received in that week. The records shall set forth the full weekly wages earned by each employee and the actual hourly wage paid to the employee.

The Contractor shall submit the weekly payroll records, including the records of the Contractor's subcontractors and agents, to the City Engineer for every week that work is being done on the contract. The submittal shall be within twenty-one (21) calendar days of the end of the Contractor's weekly pay period.

Employees shall receive the full amounts accrued at the time of the payment, computed at rates not less than those stated in the prevailing wage rate and each employee's rate shall be determined by the work that is done within the trade or occupation classification which should be properly assigned to the employee.

An employee's classification shall not be changed to a classification of a lesser rate during the contract. If, during the term of the contract, an employee works in a higher pay classification than the one which was previously properly assigned to the employee, then that employee shall be considered to be in the higher pay classification for the balance of the contract, receive the appropriate higher rate of pay, and she/he shall not receive a lesser rate during the balance of the

contract. For purposes of clarification, it is noted that there is a distinct difference between working in a different classification with higher pay and doing work within a classification that has varying rates of pay which are determined by the type of work that is done within the classification. For example, the classification "Operating Engineer" provides for different rates of pay for various classes of work and the Employer shall compensate an employee classified as an "Operating Engineer" based on the highest class of work that is done in one day. Therefore, an "Operating Engineer's" rate may vary on a day to day basis depending on the type of work that is done, but it will never be less than the base rate of an "Operating Engineer". Also, as a matter of clarification, it is recognized that an employee may work in a higher paying classification merely by chance and without prior intention, calculation or design. If such is the case and the performance of the work is truly incidental and the occurrence is infrequent, inconsequential and does not serve to undermine the single classification principle herein, then it may not be required that the employee be considered to be in the higher pay classification and receive the higher rate of pay for the duration of the contract. However, the Contractor is not precluded or prevented from paying the higher rate for the limited time that an employee performs work that is outside of the employee's proper classification.

Questions regarding an employee's classification, rate of pay or rate of pay within a classification, shall be resolved by reference to the established practice that predominates in the industry and on which the trade or occupation rate/classification is based. Rate of pay and classification disputes shall be resolved by relying upon practices established by collective bargaining agreements and guidelines used in such determination by appropriate recognized trade unions operating within the City of Madison.

The Contractor, its Subcontractors and Agents shall submit to interrogation regarding compliance with the provisions of this ordinance.

Mulcting of the employees by the Contractor, Subcontractor, and Agents on Public Works contracts, such as by kickbacks or other devices, is prohibited. The normal rate of wage of the employees of the Contractor, Subcontractor, and Agents shall not be reduced or otherwise diminished as a result of payment of the prevailing wage rate on a public works contract.

Hourly contributions. Hourly contributions shall be determined in accordance with the prevailing wage rate and with DWD. 290.01(10), Wis. Admin. Code.

Apprentices and Subjourney persons. Apprentices and sub journeypersons performing work on the project shall be compensated in accordance with the prevailing wage rate and with DWD 290.02, and 290.025, respectively, Wis. Admin. Code.

Straight Time Wages. The Contractor may pay straight time wages as determined by the prevailing wage rate and DWD 290.04, Wis. Admin. Code.

Overtime Wages. The Contractor shall pay overtime wages as required by the prevailing wage rate and DWD 290.05, Wis. Admin. Code.

Posting of Wage Rates and Hours. A clearly legible copy of the prevailing wage rate, together with the provisions of Sec. 66.0903(10)(a) and (11)(a), Wis. Stats., shall be kept posted in at least one conspicuous and easily accessible place at the project site by the Contractor and such notice shall remain posted during the full time any laborers, workers or mechanics are employed on the contract.

Evidence of Compliance by Contractor. Upon completion of the contract, the Contractor shall file with the Department of Public Works an affidavit stating:

- a. That the Contractor has complied fully with the provisions and requirements of Sec. 66.0903(3), Wis. Stats., and Chapter DWD 290, Wis. Admin. Code; the Contractor has received evidence of compliance from each of the agents and subcontractors; and the

names and addresses of all of the subcontractors and agents who worked on the contract.

- b. That full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records will be kept and the name, address and telephone number of the person who will be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Evidence of Compliance by Agent and Subcontractor. Each agent and subcontractor shall file with the Contractor, upon completion of their portion of the work on the contract an affidavit stating that all the provisions of Sec. 66.0903(3), Wis. Stats., have been fully complied with and that full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records shall be kept and the name, address and telephone number of the person who shall be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Failure to Comply with the Prevailing Wage Rate. If the Contractor fails to comply with the prevailing wage rate, she/he shall be in default on the contract. In addition, if DWD finds that a contractor or subcontractor violated the prevailing wage law, DWD will assess liquidated damages of 100% of the wages owed to employees.

Establishment of Wage Rates. The Department of Public Works shall periodically obtain a current schedule of prevailing wage rates from DWD. The schedule shall be used to establish the City of Madison Prevailing Wage Rate Schedule for Public Works Construction (prevailing wage rate). The Department of Public Works may include known increases to the prevailing wage rate which can be documented and are to occur on a future specific date. The prevailing wage rate shall be included in public works contracts subsequently negotiated or solicited by the City. Except for known increases contained within the schedule, the prevailing wage rate shall not change during the contract. The approved wage rate and DWD prevailing wage requirements are attached hereto as Sec.J of the contract.

5. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications and application procedures and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement

Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.
2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or five thousand dollars (\$5,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

6. **Substance Abuse Prevention Program Required.**

Prior to commencing work on the Contract, the Contractor, and any Subcontractor, shall have in place a written program for the prevention of substance abuse among its employees as required under Wis. Stat. Sec. 103.503.

**YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO. 7459**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.

Countersigned:

Kea I. Sainsbury 4/1/15
 Witness Date
 Kea I. Sainsbury
Kea I. Sainsbury 4/1/15
 Witness Date
 Kea I. Sainsbury

JOE DANIELS CONSTRUCTION CO., INC.
 Company Name
Joseph A. Daniels 4/1/15
 President Date
 Joseph A. Daniels
Jerrald M. Daniels 4/1/15
 Secretary Date
 Jerrald M. Daniels

CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

Dana Blumehausen
 Finance Director

[Signature]
 City Attorney

Signed this 14th day of April
[Signature]

[Signature] 20 15
 Mayor Date

Witness
Lauren N. Seamed
 Witness

[Signature] 4-16-15
 Mayor Date
Maibeth Witzel-Behl 4-3-2015
 City Clerk Date

Bond No 1208190

SECTION I: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we JOE DANIELS CONSTRUCTION CO., INC. as principal, and Cincinnati Insurance Company Company of Cincinnati, Ohio as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of ONE HUNDRED SIXTY-TWO THOUSAND SEVEN HUNDRED SEVENTY-SIX (\$162,776.00) Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully perform all of the terms of the Contract entered into between him/herself and the City of Madison for the construction of:

**YAHARA HILLS FACILITY IMPROVEMENTS-WINDOW REPLACEMENT
CONTRACT NO. 7459**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation (under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is to be void, otherwise of full force, virtue and effect.

Signed and sealed this 1st day of April 2015

Countersigned:

Kea I. Sainsbury

Witness
Kea I. Sainsbury

Jerrald M. Daniels

Secretary
Jerrald M. Daniels

Approved as to form:

[Signature]
City Attorney

JOE DANIELS CONSTRUCTION CO., INC.

Company Name (Principal)

Joseph A. Daniels

President
Joseph A. Daniels

Seal (no seal)

CINCINNATI INSURANCE COMPANY

Surety

Seal

Salary Employee

Commission

By

[Signature]

Attorney-in-Fact

Patrick A. McKenna

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 2349196 for the year 2015, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

April 1, 2015

Date

Agent Signature

Patrick A. McKenna

THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

Tim Hausmann; Jeff Hausmann; Sheila Dickey; Judith A. Walker; Patrick A. McKenna; Brooke L. Parker and/or Katherine L. Howe

of Madison, Wisconsin its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows:

Any such obligations in the United States, up to Thirty Million and No/100 Dollars (\$30,000,000.00).

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1958, which resolution is still in effect:

"RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

"RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 10th day of May, 2012.



THE CINCINNATI INSURANCE COMPANY

Stephan A. Justice

Vice President

STATE OF OHIO) ss:
COUNTY OF BUTLER)

On this 10th day of May, 2012, before me came the above-named Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.



Mark J. Huller

MARK J. HULLER, Attorney at Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date. Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio. this 13th day of APRIL, 2015

Scott R. Bolan

Assistant Secretary



SECTION J: PREVAILING WAGE RATES

PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin
Department of Workforce Development
Pursuant to s. 66.0903, Wis. Stats.
Issued On: 1/7/2015

DETERMINATION NUMBER: 201500014

EXPIRATION DATE: Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2015. If NOT, You MUST Reapply.

PROJECT NAME: ALL PUBLIC WORKS PROJECTS UNDER SEC. 66.0903, STATS-CITY OF MADISON

PROJECT LOCATION: MADISON CITY, DANE COUNTY, WI

CONTRACTING AGENCY: CITY OF MADISON - ENGINEERING

CLASSIFICATION:	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm .
OVERTIME:	Time and one-half must be paid for all hours worked: <ul style="list-style-type: none">- over 10 hours per day on prevailing wage projects- over 40 hours per calendar week- Saturday and Sunday- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;- The day before if January 1, July 4 or December 25 falls on a Saturday;- The day following if January 1, July 4 or December 25 falls on a Sunday. Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime. A DOT Premium (discussed below) may supersede this time and one-half requirement.
FUTURE INCREASE:	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
PREMIUM PAY:	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
DOT PREMIUM:	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
APPRENTICES:	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
SUBJOURNEY:	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place **on the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.

s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR" for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

s. 66.0903 (11) LIABILITY AND PENALTIES.

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.

3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

BUILDING OR HEAVY CONSTRUCTION

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
102	Boilermaker Future Increase(s): Add \$1.50/hr. on 01/01/2016	33.35	28.24	61.59
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$1.40 on 06/01/2015; Add \$1.45 on 06/06/2016 Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	18.66	51.48
104	Cabinet Installer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.72	16.00	48.72
106	Carpet Layer or Soft Floor Coverer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
107	Cement Finisher	31.98	12.04	44.02
108	Drywall Taper or Finisher	26.05	18.23	44.28
109	Electrician Future Increase(s): Add \$1.20/hr on 6/1/15; Add \$1.25/hr on 6/1/16. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.82	19.67	54.49
110	Elevator Constructor	43.84	27.09	70.93

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
111	Fence Erector	18.00	6.09	24.09
112	Fire Sprinkler Fitter	36.79	18.81	55.60
113	Glazier Future Increase(s): Add \$.75/hr eff. 06/01/2015; Add \$.90/hr eff. 06/01/2016	37.07	14.42	51.49
114	Heat or Frost Insulator	33.43	25.81	59.24
115	Insulator (Batt or Blown) Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
116	Ironworker	31.50	20.01	51.51
117	Lather	31.40	15.90	47.30
118	Line Constructor (Electrical)	39.50	17.73	57.23
119	Marble Finisher	16.25	2.32	18.57
120	Marble Mason	32.09	18.04	50.13
121	Metal Building Erector	19.05	8.08	27.13
122	Millwright Future Increase(s): Add \$1.47/hr on 6/1/2015; Add \$1.47/hr on 6/1/2016.	34.44	16.07	50.51
123	Overhead Door Installer	27.46	1.98	29.44
124	Painter	25.75	16.60	42.35
125	Pavement Marking Operator	30.10	17.34	47.44
126	Piledriver Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 6/1/2016. Premium Increase(s): Add \$.65/hr for Piledriver Loftsmen; Add \$.75/hr for Sheet Piling Loftsmen. DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	30.11	26.51	56.62
127	Pipeline Fuser or Welder (Gas or Utility)	30.83	20.89	51.72
129	Plasterer Future Increase(s): Add \$1.56 on 06/01/2015; Add \$1.61 on 06/01/2016; Add \$1.66 on 06/01/2017	32.65	19.36	52.01
130	Plumber Future Increase(s): Add \$1.80 on 6/1/15	37.57	17.47	55.04

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
132	Refrigeration Mechanic Future Increase(s): Add \$1.80 on 6/1/15	44.20	18.26	62.46
133	Rofer or Waterproofer	29.40	11.31	40.71
134	Sheet Metal Worker	34.45	22.54	56.99
135	Steamfitter Future Increase(s): Add \$1.80/hr on 6/1/15.	44.20	18.26	62.46
137	Teledata Technician or Installer Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.50	12.74	35.24
138	Temperature Control Installer	42.95	15.04	57.99
139	Terrazzo Finisher	16.25	2.32	18.57
140	Terrazzo Mechanic	31.18	17.35	48.53
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter	29.81	17.18	46.99
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	36.17	19.44	55.61
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	30.16	15.11	45.27
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	26.76	58.36
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	14.49	42.14
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.83	15.01	42.84
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.90	9.83	31.73

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	32.89	18.96	51.85
203	Three or More Axle	18.00	21.99	39.99

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	18.00	21.99	39.99

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016 Premium Increase(s): Add \$1.00/hr for certified welder; Add \$.25/hr for mason tender	24.97	15.12	40.09
302	Asbestos Abatement Worker	18.00	9.58	27.58
303	Landscaper	18.75	10.26	29.01
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	21.55	14.14	35.69
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	18.82	14.16	32.98
314	Railroad Track Laborer	14.50	5.29	19.79
315	Final Construction Clean-Up Worker Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016	24.97	15.12	40.09

**HEAVY EQUIPMENT OPERATORS
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfgr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	31.62	19.78	51.40
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	41.65	21.71	63.36

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	35.46	20.40	55.86

**HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016. Premium Increase(s): Add \$.50/hr for >200 Ton; Add \$1/hr at 300 Ton; Add \$1.50/hr at 400 Ton; Add \$2/hr at 500 Ton & Over.	36.67	19.78	56.45
509	Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016. Premium Increase(s): Add \$.25/hr for all >45 Ton lifting capacity cranes.	35.42	19.78	55.20
510	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	34.22	19.78	54.00

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	31.62	19.78	51.40
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	30.99	19.78	50.77
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment). Future Increase(s): Add \$1/hr on 6/1/2015; Add \$1/hr on 5/30/2016.	36.34	22.14	58.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.65/hr on 6/1/2015.	33.12	19.35	52.47
516	Fiber Optic Cable Equipment	28.89	17.95	46.84

SEWER, WATER OR TUNNEL CONSTRUCTION

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.09	18.04	50.13
105	Carpenter Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.65/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.13	20.61	54.74
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	35.18	16.78	51.96
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.93	22.77	56.70
111	Fence Erector	18.00	6.09	24.09
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	39.50	17.73	57.23
125	Pavement Marking Operator	30.10	17.34	47.44
126	Piledriver	29.56	25.71	55.27
130	Plumber	21.50	0.00	21.50
135	Steamfitter	42.95	17.81	60.76
137	Teledata Technician or Installer	22.25	12.24	34.49
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	13.28	38.96
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72
TRUCK DRIVERS				

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.18	18.31	43.49
203	Three or More Axle	19.50	4.97	24.47
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	19.50	4.97	24.47
LABORERS				

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016 Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for tunnel work 0-15 lbs. compressed air; Add \$2.00 for over 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	26.34	15.13	41.47
303	Landscaper	39.43	0.00	39.43

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
304	Flagperson or Traffic Control Person	31.95	0.00	31.95
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
314	Railroad Track Laborer	14.50	5.29	19.79

**HEAVY EQUIPMENT OPERATORS
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
521	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver. Future Increase(s): Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	37.24	20.10	57.34
522	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	34.22	19.78	54.00
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.82	18.96	49.78
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.69	18.46	49.15
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	30.19	18.96	49.15
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	35.46	20.40	55.86

AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

SKILLED TRADES

CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.09	18.04	50.13
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.72	16.00	48.72
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	35.18	16.78	51.96
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.93	22.77	56.70
111	Fence Erector	18.00	6.09	24.09
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	39.50	17.73	57.23
124	Painter	26.65	13.10	39.75
125	Pavement Marking Operator	29.22	25.90	55.12
126	Piledriver Future Increase(s): Add \$1.44/hr on 6/1/2015; Add \$1.44/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.24	16.00	49.24
133	Rofer or Waterproofer	29.40	11.31	40.71

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
137	Teledata Technician or Installer	22.25	12.24	34.49
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.29	46.89
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	12.83	38.51
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.73	12.17	33.90

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.18	18.31	43.49
203	Three or More Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.28	18.31	43.59
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	30.27	21.15	51.42
205	Pavement Marking Vehicle	23.16	21.13	44.29
206	Shadow or Pilot Vehicle	24.37	17.77	42.14

207	Truck Mechanic	24.52	17.77	42.29
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LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s): Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	30.41	15.14	45.55
302	Asbestos Abatement Worker	18.00	9.58	27.58
303	Landscaper Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	30.41	15.14	45.55
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s):	26.76	15.14	41.90

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
	DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
314	Railroad Track Laborer	14.50	5.29	19.79

**HEAVY EQUIPMENT OPERATORS
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
531	Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.72	21.15	58.87
532	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.22	21.15	58.37

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
533	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm.</p>	36.72	21.15	57.87

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
534	Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.46	21.15	57.61
535	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.17	21.15	57.32
536	Fiber Optic Cable Equipment.	28.89	17.95	46.84
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
538	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
539	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
540	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	35.46	20.40	55.86

LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.09	18.04	50.13
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.72	16.00	48.72
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	35.18	16.78	51.96
109	Electrician	35.72	19.17	54.89
111	Fence Erector	18.00	6.09	24.09
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	39.50	17.73	57.23
124	Painter	25.75	16.60	42.35
125	Pavement Marking Operator	30.10	17.34	47.44
126	Piledriver	29.56	25.71	55.27
133	Rofer or Waterproofor	29.40	11.31	40.71
137	Teledata Technician or Installer	22.25	12.24	34.49
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	13.28	38.96
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.18	18.31	43.49
203	Three or More Axle	16.00	0.00	16.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
205	Pavement Marking Vehicle	20.85	11.02	31.87
206	Shadow or Pilot Vehicle	24.37	17.77	42.14
207	Truck Mechanic	16.00	0.00	16.00

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer	29.32	12.44	41.76
303	Landscaper Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s):	30.13	15.14	45.27

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
	DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
304	Flagperson or Traffic Control Person	19.06	14.29	33.35
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
314	Railroad Track Laborer	14.50	5.29	19.79

**HEAVY EQUIPMENT OPERATORS
CONCRETE PAVEMENT OR BRIDGE WORK**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
541	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.72	21.15	58.87

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
542	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm.</p>	37.22	21.15	58.37
543	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screeed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p>	35.72	17.85	53.57

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
544	Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.46	21.15	57.61
545	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	35.17	20.40	55.57
546	Fiber Optic Cable Equipment.	28.89	17.95	46.84
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	35.46	20.40	55.86

**HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	36.72	20.40	57.12
552	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.22	21.15	58.37
553	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
554	<p>Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler.</p> <p>Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p>	36.17	20.80	56.97
555	<p>Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p> <p>Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm.</p>	36.17	21.15	57.32
556	Fiber Optic Cable Equipment.	27.89	17.20	45.09

RESIDENTIAL OR AGRICULTURAL CONSTRUCTION

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
101	Acoustic Ceiling Tile Installer	33.07	16.07	49.14
102	Boilermaker	32.05	28.04	60.09
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$1.40 on 06/01/2015; Add \$1.45 on 06/06/2016 Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	18.66	51.48
104	Cabinet Installer	34.42	0.00	34.42
105	Carpenter	31.40	2.01	33.41
106	Carpet Layer or Soft Floor Coverer	30.00	0.00	30.00
107	Cement Finisher	24.08	0.00	24.08
108	Drywall Taper or Finisher	8.50	0.00	8.50
109	Electrician	20.00	6.62	26.62
110	Elevator Constructor	23.26	0.00	23.26
111	Fence Erector	16.00	3.76	19.76
112	Fire Sprinkler Fitter	39.00	18.00	57.00
113	Glazier Future Increase(s): Add \$.75/hr eff. 06/01/2015; Add \$.90/hr eff. 06/01/2016	37.07	14.42	51.49
114	Heat or Frost Insulator	33.43	25.81	59.24
115	Insulator (Batt or Blown)	23.00	10.55	33.55
116	Ironworker	31.50	20.01	51.51
117	Lather	31.40	2.01	33.41
119	Marble Finisher	16.25	2.32	18.57
120	Marble Mason	32.09	18.04	50.13

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
121	Metal Building Erector	18.00	5.88	23.88
123	Overhead Door Installer	16.65	1.03	17.68
124	Painter	25.75	8.94	34.69
125	Pavement Marking Operator	18.75	2.47	21.22
129	Plasterer	25.00	10.45	35.45
130	Plumber	30.00	10.44	40.44
132	Refrigeration Mechanic	17.00	13.56	30.56
133	Rofer or Waterproofer	15.00	1.37	16.37
134	Sheet Metal Worker	22.54	5.20	27.74
135	Steamfitter	23.62	16.12	39.74
137	Teledata Technician or Installer	18.00	28.48	46.48
138	Temperature Control Installer	22.00	1.62	23.62
139	Terrazzo Finisher	16.25	2.32	18.57
140	Terrazzo Mechanic	30.71	16.52	47.23
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter Future Increase(s): Add \$1.40/hr on 6/01/2015; Add \$1.45/hr on 6/06/2016.	31.55	18.26	49.81
143	Tuckpointer, Caulker or Cleaner	14.00	8.75	22.75
146	Well Driller or Pump Installer	12.75	9.50	22.25
147	Siding Installer	17.25	0.00	17.25

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	16.50	0.00	16.50
203	Three or More Axle	18.00	2.44	20.44
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	18.00	2.44	20.44

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY \$	HOURLY FRINGE BENEFITS \$	TOTAL \$
301	General Laborer	24.21	8.02	32.23
302	Asbestos Abatement Worker	16.50	8.21	24.71
303	Landscaper	12.00	0.00	12.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
315	Final Construction Clean-Up Worker	10.00	3.47	13.47

**HEAVY EQUIPMENT OPERATORS
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

Fringe Benefits Must Be Paid On All Hours Worked

CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY \$	HOURLY FRINGE BENEFITS \$	TOTAL \$
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames.	34.22	19.78	54.00

Future Increase(s):
Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.

558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	36.72	21.15	57.87
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Future Increase(s):

Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016;
 Add \$1.25/hr on 6/1/2017.

Premium Increase(s):

DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm>.

***** END OF RATES *****

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Equal Rights Division
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Scott Walker, Governor
Reginald J. Newson, Secretary

PREVAILING WAGE – Contractors

Any public works project that has a total estimated project cost that equals or exceeds prevailing wage project thresholds requires a prevailing wage rate determination issued by the Department of Workforce Development (DWD). Public works include erecting, constructing, remodeling, repairing, demolishing, alterations, painting and decorating projects for a local governmental unit or state agency. State law excludes minor service or maintenance work, warranty work, or work under a supply-and-installation contract. There is a statutory definition for most of these exclusions. The prevailing wage laws that apply to local governmental units and their contractors are §§66.0903 and 103.503, Wis. Stats. The prevailing wage laws that apply to state agencies and their contractors are §§103.49 and 103.503, Wis. Stats. The applicable administrative rules for all prevailing wage projects are DWD 290 and DWD 294, Wis. Adm. Code. These laws include provisions that apply to all contractors and subcontractors working on prevailing wage projects.

Any contractor or subcontractor working on a local governmental unit or state agency's public works project that equals or exceeds current prevailing wage project thresholds must do all of the following:

- Receive and review the project's prevailing wage rate determination (i.e., white sheet).
- Tell subcontractors the project is subject to state prevailing wage law and include the prevailing wage rate determination in the construction contract, or if there is no written contract, provide a copy of the project determination to each subcontractor.
- Hire subcontractors who do *not* appear on the "Consolidated List of Debarred Contractors."
- Have a written substance abuse testing program in place that fulfills the requirements of §103.503, Wis. Stats., before commencing work on the project.

- Notify subcontractors that if DWD finds that a contractor or subcontractor violated the prevailing wage law, DWD will assess liquidated damages of 100% of the wages owed to employees.
- Apply to DWD for subjourney wage rates prior to employing these individuals on the project.
- Receive and retain a completed Affidavit of Compliance from each subcontractor brought on to the project before providing final payment to those subcontractors.
- Submit a completed Affidavit of Compliance to the contractor who brought the subcontractor on to the project before receiving final payment for the project.
- Maintain payroll records for 3 years that comply with §§66.0903(10)(a) or 103.49(5)(a), Stats. and DWD 274.06.
- Respond to requests from DWD or the project owner to provide payroll records and/or respond to prevailing wage complaints filed by employees or third parties.

For more information, visit the prevailing wage website: http://dwd.wisconsin.gov/er/prevailing_wage_rate/default.htm. For further assistance, call the Equal Rights Division at 608-266-6861 and ask for prevailing wage.

