

Contract Routing Form

ROUTING: Routine

printed on: 03/10/2015

Contract between: JH Findorff & Son Inc
 and Dept. or Division: Engineering Division
 Name/Phone Number:

Project: Fire Station Admin Office Building and Fire Station #1 (Hovde Properties Tenant Improvements)

Contract No.: 6891
 Enactment No.: ~~RES 15-00195~~
 Dollar Amount: 8,383,000.00

File No.: 37248
 Enactment Date: 03/05/2015

Contract Posted in Muris
 KLSV

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	3-10-2015	3-10-2015
Director of Civil Rights	3.10.2015	3.16.15
Risk Manager	3-16-15	3/16/15 <i>RM</i>
Finance Director	3-16-15 ✓	3-18-15
City Attorney	293 3-18-15	3-23-15
Mayor	3-23-15	3-24-15

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

Original + 2 Copies

03/10/2015 08:12:49 enjap - Randy Wiesner - 267-8679

Dis Rights: OK / N/A / Problem - Hold
 Prev Wage: AA / Agency / No
 Contract Value: see above
 AA Plan: ~~INCOMPLETE~~
 Amendment / Addendum # 12
 Type: POS / Dvlp / Sbdv / Gov't / Grant / Pw / Goal / Loan / Agrmt

Approved by [Signature]



City of Madison

City of Madison
Madison, WI 53703
www.cityofmadison.com

Master

File Number: 37248

File ID: 37248	File Type: Resolution	Status: Passed
Version: 1	Reference:	Controlling Body: BOARD OF PUBLIC WORKS
Lead Referral: BOARD OF PUBLIC WORKS	Cost:	File Created Date : 02/10/2015
File Name: Awarding Public Works Contract No. 6891, Fire Station Administration Office Building and Fire Station No. 1 (Hovde Property Tenant Improvements).		Final Action: 03/03/2015

Title: Awarding Public Works Contract No. 6891, Fire Station Administration Office Building and Fire Station No. 1 (Hovde Property Tenant Improvements).

Notes: J Hoffman

CC Agenda Date: 03/03/2015

Agenda Number: 37.

Sponsors: BOARD OF PUBLIC WORKS

Effective Date: 03/05/2015

Attachments: Contract 6891.pdf

Enactment Number: RES-15-00195

Author: Rob Phillips, City Engineer

Hearing Date:

Entered by: japien@cityofmadison.com

Published Date:

Approval History

Version	Date	Approver	Action
1	02/24/2015	Craig Franklin	Approve

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Engineering Division	02/10/2015	Refer	BOARD OF PUBLIC WORKS	02/18/2015	02/18/2015	
Action Text: This Resolution was Refer to the BOARD OF PUBLIC WORKS due back on 2/18/2015							
Notes:							

1 BOARD OF PUBLIC WORKS 02/18/2015 RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER Pass

Action Text: A motion was made by Branson, seconded by Skidmore, to RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER. The motion passed by voice vote/other.

Notes:

1 COMMON COUNCIL 03/03/2015 Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25 Pass

Action Text: A motion was made by Schmidt, seconded by DeMarb, to Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25. The motion passed by voice vote/other.

Notes:

Text of Legislative File 37248

Fiscal Note

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

Title

Awarding Public Works Contract No. 6891, Fire Station Administration Office Building and Fire Station No. 1 (Hovde Property Tenant Improvements).

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. 6891) for itemization of bids..

PROJECT _____ CONTRACTOR _____ AMOUNT OF BID _____

CONTRACT NO. 6891
FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE STATION NO. 1 (HOVDE PROPERTY TENANT IMPROVEMENTS)

JH FINDORFF & SON, INC.

\$8,383,000.00

Acct. No. 10387-30-140: 53310
Contingency 8%±

\$8,383,000.00
670,640.00

GRAND TOTAL

\$9,053,640.00

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

Tuesday, March 3, 2015

Page 6

WALSH, JOHN W
PORTAGE WI

License Status: Active
License No: 168955
NPN No: 285241
Effective Date: 01-01-1982
Expiration Date: 01-31-2016
License Type: Resident Intermediary Indv

Lines of Authority

Line of Authority	Residency	Effective Date	Status
Casualty	Resident	01-01-1982	Active
Life	Resident	01-01-1982	Active
Accident & Health	Resident	01-01-1982	Active
Property	Resident	01-01-1982	Active

Appointments and Terminations

Company Name	Qualification Type/Status	Effective Date	Termination Date	Termination Reason
ACE American Insurance Company	AH/Active	11-30-2004		
	CAS/Active	11-30-2004		
	PROP/Active	11-30-2004		
ACUITY, A Mutual Insurance Company	AH/Inactive	02-12-2001	04-16-2002	Canceled
	CAS/Active	02-12-2001		
	PROP/Active	02-12-2001		
American Casualty Company of Reading, Pennsylvania	AH/Inactive	04-22-1974	09-16-2008	Canceled
	CAS/Active	04-22-1974		
	PROP/Active	04-22-1974		
American Guarantee and Liability Insurance Company	AH/Active	07-15-1997		
	CAS/Active	07-15-1997		
	PROP/Active	07-15-1997		
American Manufacturers Mutual Insurance Company	AH/Inactive	02-21-1978	02-17-2005	Canceled
	CAS/Inactive	02-21-1978	02-17-2005	Canceled
	PROP/Inactive	02-21-1978	02-17-2005	Canceled
American Zurich Insurance Company	AH/Active	07-15-1997		
	CAS/Active	07-15-1997		
	PROP/Active	07-15-1997		
Arch Insurance Company	CAS/Active	02-09-2004		
	PROP/Active	02-09-2004		

Assurance Company of America	CAS/Inactive	04-02-1993	10-30-2012	Canceled
	PROP/Inactive	04-02-1993	02-19-2015	Vol. Surrender per Agent Rqst
Automobile Insurance Company of Hartford, Connecticut, The	AH/Inactive	07-29-1992	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-29-1992	12-05-2009	Canceled
	PROP/Inactive	07-29-1992	12-05-2009	Canceled
Charter Oak Fire Insurance Company, The	AH/Inactive	08-06-1996	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-06-1996	12-05-2009	Canceled
	PROP/Inactive	08-06-1996	12-05-2009	Canceled
Cincinnati Casualty Company, The	CAS/Active	05-02-2014		
	PROP/Active	05-02-2014		
Cincinnati Indemnity Company, The	CAS/Active	05-02-2014		
	PROP/Active	05-02-2014		
Cincinnati Insurance Company, The	CAS/Active	05-02-2014		
	PROP/Active	05-02-2014		
Cincinnati Life Insurance Company, The	AH/Active	09-16-2004		
	LI/Active	09-16-2004		
Continental Assurance Company	AH/Inactive	10-07-1981	10-10-2000	Vol. Surrender per Agent Rqst
	LI/Inactive	10-07-1981	10-10-2000	Vol. Surrender per Agent Rqst
Continental Casualty Company	AH/Inactive	04-22-1974	09-16-2008	Canceled
	CAS/Active	04-22-1974		
	PROP/Active	04-22-1974		
Continental Insurance Company, The	CAS/Active	02-24-2006		
	PROP/Active	02-24-2006		
Farmington Casualty Company	AH/Inactive	07-29-1992	11-20-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-29-1992	11-20-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-29-1992	11-20-2000	Vol. Surrender per Agent Rqst
Federal Insurance Company	AH/Inactive	11-01-1976	09-11-2008	Canceled
	CAS/Inactive	11-01-1976	03-15-2007	Canceled
	PROP/Inactive	11-01-1976	03-15-2007	Canceled
Fidelity & Guaranty Life Insurance Company	AH/Inactive	07-03-1979	01-09-2013	Inadequate Production
	LI/Inactive	07-03-1979	01-09-2013	Inadequate Production

Fidelity and Deposit Company of Maryland	CAS/Active	11-07-1986		
	PROP/Active	11-07-1986		
Fidelity and Guaranty Insurance Company	CAS/Inactive	06-23-1995	12-05-2009	Canceled
	PROP/Inactive	06-23-1995	12-05-2009	Canceled
Fidelity and Guaranty Insurance Underwriters, Inc.	AH/Inactive	06-23-1995	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	06-23-1995	12-05-2009	Canceled
	PROP/Inactive	06-23-1995	12-05-2009	Canceled
General Casualty Company of Wisconsin	AH/Inactive	09-02-1983	12-03-2008	Canceled
	CAS/Active	09-02-1983		
	PROP/Active	09-02-1983		
Great American Alliance Insurance Company	CAS/Inactive	08-15-1989	11-28-2001	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-15-1989	11-28-2001	Vol. Surrender per Agent Rqst
Great American Insurance Company	AH/Inactive	08-15-1989	11-15-2002	Inadequate Production
	CAS/Inactive	08-15-1989	11-28-2001	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-15-1989	11-28-2001	Vol. Surrender per Agent Rqst
Great American Insurance Company of New York	AH/Inactive	09-13-1989	11-15-2002	Inadequate Production
	CAS/Inactive	09-13-1989	11-28-2001	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-13-1989	11-28-2001	Vol. Surrender per Agent Rqst
Great Northern Insurance Company	AH/Inactive	07-30-1979	06-01-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-30-1979	06-01-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-30-1979	06-01-2000	Vol. Surrender per Agent Rqst
Hamilton Insurance Company	CAS/Inactive	04-02-1993	12-05-2007	Canceled
	PROP/Inactive	04-02-1993	12-05-2007	Canceled
Hartford Accident and Indemnity Company	AH/Inactive	02-23-1981	02-23-1981	Entered in Error
	CAS/Inactive	02-23-1981	10-25-2007	Canceled
	PROP/Inactive	02-23-1981	10-25-2007	Canceled
Hartford Fire Insurance Company	AH/Inactive	02-23-1981	02-23-1981	Entered in Error
	CAS/Inactive	02-23-1981	10-25-2007	Canceled
	PROP/Inactive	02-23-1981	10-25-2007	Canceled
Hartford	AH/Inactive	07-01-1988	07-01-1988	Entered in Error

Underwriters Insurance Company	CAS/Inactive	07-01-1988	10-25-2007	Canceled
	PROP/Inactive	07-01-1988	10-25-2007	Canceled
Indemnity Insurance Company of North America	AH/Inactive	11-30-2004	06-04-2009	Vol. Surrender per Agent Rqst
	CAS/Inactive	11-30-2004	06-04-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-30-2004	06-04-2009	Vol. Surrender per Agent Rqst
Lumbermens Mutual Casualty Company	AH/Inactive	02-21-1978	02-17-2005	Canceled
	CAS/Inactive	02-21-1978	02-17-2005	Canceled
	PROP/Inactive	02-21-1978	02-17-2005	Canceled
Maryland Casualty Company	CAS/Inactive	04-02-1993	10-30-2012	Canceled
	PROP/Inactive	04-02-1993	10-30-2012	Canceled
MetLife Insurance Company of Connecticut	CAS/Inactive	08-07-1996	04-21-2003	Inadequate Production
National Fire Insurance Company of Hartford	AH/Inactive	04-22-1974	09-16-2008	Canceled
	CAS/Active	04-22-1974		
	PROP/Active	04-22-1974		
North American Specialty Insurance Company	CAS/Active	06-26-2009		
	PROP/Active	06-26-2009		
Northern Insurance Company of New York	CAS/Inactive	04-02-1993	10-30-2012	Canceled
	PROP/Inactive	04-02-1993	10-30-2012	Canceled
Old Republic Insurance Company	AH/Inactive	11-11-1991	01-30-2004	Inadequate Production
	CAS/Inactive	11-11-1991	06-16-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-11-1991	06-16-2009	Vol. Surrender per Agent Rqst
Old Republic Surety Company	CAS/Inactive	11-11-1991	06-16-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-11-1991	06-16-2009	Vol. Surrender per Agent Rqst
Pacific Indemnity Company	AH/Inactive	12-10-1980	06-01-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	12-10-1980	06-01-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	12-10-1980	06-01-2000	Vol. Surrender per Agent Rqst
Phoenix Insurance Company, The	AH/Inactive	08-06-1996	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-06-1996	12-05-2009	Canceled

	PROP/Inactive	08-06-1996	12-05-2009	Canceled
Reassure America Life Insurance Company	AH/Inactive	01-06-1989	06-06-2001	Inadequate Production
	LI/Inactive	01-06-1989	06-06-2001	Inadequate Production
Regent Insurance Company	AH/Inactive	09-02-1983	12-03-2008	Canceled
	CAS/Active	09-02-1983		
	PROP/Active	09-02-1983		
Reliance National Indemnity Company	AH/Inactive	03-23-1979	02-01-2001	Company Merger
	CAS/Inactive	03-23-1979	02-01-2001	Company Merger
	PROP/Inactive	03-23-1979	02-01-2001	Company Merger
St. Paul Fire and Marine Insurance Company	AH/Active	09-24-1987		
	CAS/Inactive	11-28-2012	09-30-2014	Canceled
	CAS/Inactive	09-24-1987	11-08-2012	Canceled
	PROP/Inactive	11-28-2012	09-30-2014	Canceled
St. Paul Mercury Insurance Company	PROP/Inactive	09-24-1987	11-08-2012	Canceled
	AH/Inactive	09-24-1987	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-24-1987	12-05-2009	Canceled
	PROP/Inactive	09-24-1987	12-05-2009	Canceled
St. Paul Protective Insurance Company	AH/Inactive	11-04-1998	04-21-2003	Vol. Surrender per Agent Rqst
	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
Standard Fire Insurance Company, The	AH/Inactive	07-29-1992	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-29-1992	12-05-2009	Canceled
	PROP/Inactive	07-29-1992	12-05-2009	Canceled
TIG Insurance Company	AH/Inactive	09-08-1989	03-21-1997	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-08-1989	03-21-1997	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-08-1989	03-21-1997	Vol. Surrender per Agent Rqst
Transcontinental Insurance Company	AH/Inactive	04-22-1974	01-14-2008	Canceled
	CAS/Inactive	04-22-1974	01-14-2008	Canceled
	PROP/Inactive	04-22-1974	01-14-2008	Canceled
Transportation Insurance Company	AH/Inactive	04-22-1974	09-16-2008	Canceled
	CAS/Active	04-22-1974		
	PROP/Active	04-22-1974		

Travelers Casualty and Surety Company	AH/Inactive	07-29-1992	07-10-2013	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-29-1992	12-05-2009	Canceled
	PROP/Inactive	07-29-1992	12-05-2009	Canceled
Travelers Casualty and Surety Company of America	AH/Active	07-29-1992		
	CAS/Active	11-28-2012		
	CAS/Inactive	07-29-1992	11-08-2012	Canceled
	PROP/Active	11-28-2012		
	PROP/Inactive	07-29-1992	11-08-2012	Canceled
Travelers Casualty Company of Connecticut	CAS/Inactive	07-29-1992	11-20-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-29-1992	11-20-2000	Vol. Surrender per Agent Rqst
Travelers Casualty Insurance Company of America	AH/Inactive	07-29-1992	11-22-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	11-28-2012	11-25-2013	Canceled
	CAS/Inactive	10-11-2007	11-08-2012	Canceled
	CAS/Inactive	07-29-1992	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-28-2012	11-25-2013	Canceled
	PROP/Inactive	10-11-2007	11-08-2012	Canceled
	PROP/Inactive	07-29-1992	11-22-2000	Vol. Surrender per Agent Rqst
Travelers Commercial Insurance Company	CAS/Inactive	06-14-2001	12-05-2009	Canceled
	CAS/Inactive	07-29-1992	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-14-2001	12-05-2009	Canceled
	PROP/Inactive	07-29-1992	11-22-2000	Vol. Surrender per Agent Rqst
Travelers Constitution State Insurance Company	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	11-28-2012	11-25-2013	Canceled
	CAS/Inactive	07-25-2007	11-08-2012	Canceled
	PROP/Inactive	11-28-2012	11-25-2013	Canceled
	PROP/Inactive	07-25-2007	11-08-2012	Canceled
Travelers Indemnity Company of America, The	CAS/Inactive	08-06-1996	12-05-2009	Canceled
	PROP/Inactive	08-06-1996	12-05-2009	Canceled
Travelers Indemnity Company of Connecticut, The	AH/Inactive	08-06-1996	01-14-2009	Canceled
	CAS/Inactive	08-06-1996	12-05-2009	Canceled
	PROP/Inactive	08-06-1996	12-05-2009	Canceled

Travelers Indemnity Company, The	AH/Inactive	04-19-1974	01-14-2009	Canceled
	CAS/Inactive	04-19-1974	12-05-2009	Canceled
	PROP/Inactive	04-19-1974	12-05-2009	Canceled
Travelers Property Casualty Company of America	CAS/Inactive	08-07-1996	12-05-2009	Canceled
	PROP/Inactive	08-07-1996	12-05-2009	Canceled
United Fire & Casualty Company	CAS/Inactive	06-19-1997	09-15-2014	Canceled
	PROP/Inactive	06-19-1997	09-15-2014	Canceled
United Pacific Insurance Company	AH/Inactive	03-23-1979	02-13-2001	Company Merger
	CAS/Inactive	03-23-1979	02-13-2001	Company Merger
	PROP/Inactive	03-23-1979	02-13-2001	Company Merger
United States Fidelity and Guaranty Company	AH/Inactive	06-23-1995	01-14-2009	Canceled
	CAS/Inactive	06-23-1995	12-05-2009	Canceled
	PROP/Inactive	06-23-1995	12-05-2009	Canceled
Universal Surety Company	CAS/Active	04-17-2002		
USF&G Insurance Company of Wisconsin	AH/Inactive	06-23-1995	01-01-2001	Company Merger
	CAS/Inactive	06-23-1995	01-01-2001	Company Merger
	PROP/Inactive	06-23-1995	01-01-2001	Company Merger
Valley Forge Insurance Company	AH/Inactive	04-22-1974	09-16-2008	Canceled
	CAS/Active	04-22-1974		
	PROP/Active	04-22-1974		
Vigilant Insurance Company	AH/Inactive	11-01-1976	06-01-2000	Vol. Surrender per Agent Rqst
	CAS/Inactive	11-01-1976	06-01-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-01-1976	06-01-2000	Vol. Surrender per Agent Rqst
Washington International Insurance Company	CAS/Active	06-26-2009		
	PROP/Active	06-26-2009		
Westchester Fire Insurance Company	AH/Inactive	11-30-2004	06-04-2009	Vol. Surrender per Agent Rqst
	CAS/Inactive	11-30-2004	06-04-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-30-2004	06-04-2009	Vol. Surrender per Agent Rqst
Western Surety Company	CAS/Active	02-20-1991		
Zurich American Insurance Company	AH/Active	07-15-1997		
	CAS/Active	07-15-1997		

	PROP/Active	07-15-1997
Zurich American	AH/Active	07-15-1997
Insurance Company	CAS/Active	07-15-1997
of Illinois	PROP/Active	07-15-1997

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.

Findorff

J.H. FINDORFF & SON INC.

CHARACTER COMMUNITY CRAFTSMANSHIP

March 4, 2015

State of Wisconsin
Dept. of Administration, Division of State Facilities
PO Box 7866
Madison WI 53707-7866

To Whom It May Concern:

As Secretary of J. H. Findorff & Son Inc., I hereby certify that attached is a true, correct and complete copy of Article IV, sections 4.01 through 4.11 of the By-Laws of the corporation adopted by the Board of Directors on May 19, 1971. Said Articles empower the President, or in his absence any designated officer, to execute contracts. These Articles are in force as of this date. In addition, attached is the current list of Officers and Directors.

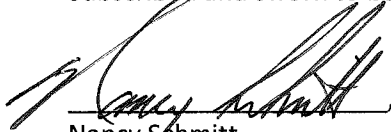
Signed and sealed this 4th day of March, 2015.

J.H. FINDORFF & SON INC.



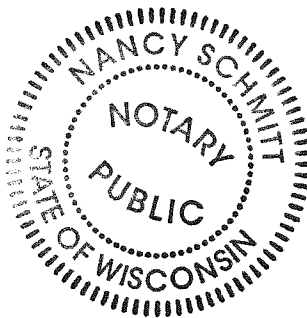
Tim Stadelman
Secretary

Subscribed and sworn to before me this 4th day of March, 2015



Notary Public
Nancy Schmitt

My commission expires 8-17-18



www.findorff.com

minutes of the meeting or unless he shall file his written dissent to such action with the person acting as the secretary of the meeting before the adjournment thereof or shall forward such dissent by registered mail to the Secretary of the corporation immediately after the adjournment of the meeting. Such right to dissent shall not apply to a director who voted in favor of such action.

3.12. Committees. The Board of Directors by resolution adopted by the affirmative vote of a majority of the number of directors set forth in Section 0.03 may designate one or more committees, each committee to consist of three or more directors elected by the Board of Directors, which to the extent provided in said resolution as initially adopted, and as thereafter supplemented or amended by further resolution adopted by a like vote, shall have and may exercise, when the Board of Directors is not in session, the powers of the Board of Directors in the management of the business and affairs of the corporation, except action in respect to dividends to shareholders, election of the principal officers or the filling of vacancies in the Board of Directors or committees created pursuant to this section. The Board of Directors may elect one or more of its members as alternate members of any such committee who may take the place of any absent member or members at any meeting of such committee, upon request by the President or upon request by the chairman of such meeting. Each such committee shall fix its own rules governing the conduct of its activities and shall make such reports to the Board of Directors of its activities as the Board of Directors may request.

3.13. Unanimous Consent without Meeting. Any action required or permitted by the articles of incorporation or by-laws or any provision of law to be taken by the Board of Directors at a meeting or by resolution may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the directors then in office.

3.14. Indemnification. The corporation shall indemnify any person against any liability or loss sustained or incurred by such person in connection with any civil, criminal or administrative action in which he is made or threatened to be made a party by reason of the fact that he, his testator or intestate, is or was a director of this corporation, and the corporation shall indemnify any such person against any expenses incurred by him in connection with such action, suit or proceeding or threat thereof.

ARTICLE IV. OFFICERS

4.01. Number. The principal officers of the corporation shall be a Chairman of the Board, a President, the number of Vice-Presidents as set forth in Section 0.05, a Secretary, and a Treasurer, each of whom shall be elected by the Board of Directors. Such other officers and assistant officers as may be deemed necessary may be elected or appointed by the Board of Directors. Any two or more offices may be held by the same person, except the offices of President and Secretary and offices of President and Vice-President.

4.02. Election and Term of Office. The officers of the corporation to be elected by the Board of Directors shall be elected annually by the Board of Directors at the first meeting of the Board of Directors held after each annual meeting of the shareholders. If the election of officers shall not be held at such meeting, such election shall be held as soon thereafter as conveniently may be. Each officer shall hold office until his successor shall have been duly elected or until his prior death, resignation or removal.

4.03. Removal. Any officer or agent may be removed by the Board of Directors whenever in its judgment the best interests of the corporation will be served thereby, but such removal shall be without prejudice to the contract rights, if any, of the person so removed. Election or appointment shall not of itself create contract rights.

4.04. Vacancies. A vacancy in any principal office because of death, resignation, removal, disqualification or otherwise, shall be filled by the Board of Directors for the unexpired portion of the term.

4.04.01. Chairman of the Board. The Chairman of the Board shall be responsible for policy matters and finances of the corporation and shall advise and consult with the President in regard to major decisions in the affairs of the corporation. The Chairman of the Board shall preside at the meetings of the Board of Directors and, in his absence, the President shall preside. In addition to such duties, the Chairman of the Board shall perform such other duties on behalf of the corporation as the Board of Directors may from time to time direct.

4.05. President. The President shall be the principal executive officer of the corporation and, subject to the control of the Board of Directors, shall in general supervise and control all of the business and affairs of the corporation. He shall, when present, preside at all meetings of the shareholders and of the Board of Directors. He shall have authority, subject to such rules as may be prescribed by the Board of Directors, to appoint such agents and employees of the corporation as he shall deem necessary, to prescribe their powers, duties and compensation, and to delegate authority to them. Such agents and employees shall hold office at the discretion of the President. He shall have authority to sign, execute and acknowledge, on behalf of the corporation, all deeds, mortgages, bonds, stock certificates, contracts, leases, reports and all other documents or instruments necessary or proper to be executed in the course of the corporation's regular business, or which shall be authorized by resolution of the Board of Directors; and, except as otherwise provided by law or the Board of Directors, he may authorize any Vice-President or other officer or agent of the corporation to sign, execute and acknowledge such documents or instruments in his place and stead. In general, he shall perform all duties incident to the office of President and such other duties as may be prescribed by the Board of Directors from time to time.

4.06. The Vice-Presidents. In the absence of the President or in the event of his death, inability or refusal to act, or in the event for any reason it shall be impracticable for the President to act personally, the Executive Vice-President or in the event of his absence or inability to act, then the Vice-Presidents in the order designated by the Board of Directors, if there be more than one, or in the absence of any designation, then in the order of their election, shall perform the duties of the President, and when so acting, shall have all the powers of and be subject to all the restrictions upon the President. Any Vice-President may sign, with the Secretary or Assistant Secretary, certificates for shares of the corporation; and shall perform such other duties and have such authority as from time to time may be delegated or assigned to him by the President or by the Board of Directors. The execution of any instrument of the corporation by any Vice-President shall be conclusive evidence, as to third parties, of his authority to act in the stead of the President.

4.07. The Secretary. The Secretary shall: (a) keep the minutes of the meetings of the shareholders and of the Board of Directors in one or more books provided for that purpose; (b) see that all notices are duly given in accordance with the provisions of these by-laws or as required by law; (c) be custodian of the corporate records and of the seal of the corporation and see that the seal of the corporation is affixed to all documents the execution of which on behalf of the corporation under its seal is duly authorized; (d) keep or arrange for the keeping of a register of the post office address of each shareholder which shall be furnished to the Secretary by such shareholder; (e) sign with the President, or a Vice-President, certificates for shares of the corporation, the issuance of which shall have been authorized by resolution of the Board of Directors; (f) have general charge of the stock transfer books of the corporation; and (g) in general perform all duties incident to the office of Secretary and have such other duties and exercise such authority as from time to time may be delegated or assigned to him by the President or by the Board of Directors.

4.08. The Treasurer. The Treasurer shall: (a) have charge and custody of and be responsible for all funds and securities of the corporation; (b) receive and give receipts for monies due and payable to the corporation from any source whatsoever, and deposit all such monies in the name of the corporation in such banks, trust companies or other depositories as shall be selected in accordance with the provisions of Section 5.04; and (c) in general perform all of the duties incident to the office of Treasurer and have such other duties and exercise such other authority as from time to time may be delegated or assigned to him by the President or by the Board of Directors. If required by the Board of Directors, the Treasurer shall give a bond for the faithful discharge of his duties in such sum and with such surety or sureties as the Board of Directors shall determine.

4.09. Assistant Secretaries and Assistant Treasurers. There shall be such number of Assistant Secretaries and Assistant Treasurers as the Board of Directors may from time to time authorize. The Assistant Secretaries may sign with the President or a Vice-President certificates for shares of the

corporation the issuance of which shall have been authorized by a resolution of the Board of Directors. The Assistant Treasurers shall respectively, if required by the Board of Directors, give bonds for the faithful discharge of their duties in such sums and with such sureties as the Board of Directors shall determine. The Assistant Secretaries and Assistant Treasurers, in general, shall perform such duties and have such authority as shall from time to time be delegated or assigned to them by the Secretary or the Treasurer, respectively, or by the President or the Board of Directors.

4.10. Other Assistants and Acting Officers. The Board of Directors shall have the power to appoint any person to act as assistant to any officer, or as agent for the corporation in his stead, or to perform the duties of such officer whenever for any reason it is impracticable for such officer to act personally, and such assistant or acting officer or other agent so appointed by the Board of Directors shall have the power to perform all the duties of the office to which he is so appointed to be assistant, or as to which he is so appointed to act, except as such power may be otherwise defined or restricted by the Board of Directors.

4.11. Contract Managers. There may be appointed from time to time by the Board of Directors one or more Contract Managers, or other special representatives of the corporation, however designated, to represent the corporation in matters pertaining to the performance of particular contracts or projects and in such matters to have and exercise in the name of the corporation and on its behalf such powers as may be necessary or appropriate thereto, including the signing of checks, vouchers, receipts and other papers.

J.H. Findorff & Son Inc.
Current Listing of All Officers and Directors
10/2/2012

President/Dir. David Beck-Engel

Chairman of
the Board/Dir. Richard M. Lynch

Vice Pres.-Finance/
Treasurer/Dir. Daniel L. Petersen

Vice Pres.-Operations/Dir. Michael S. Dillis

Vice Pres.- Business
Development/Dir. Jeffrey A. Tubbs

Vice Pres. – Administration
Secretary/Dir. Tim J. Stadelman

Vice President – Project
Management/Dir. Jeffrey W. McLean

Vice President – Field
Operations/Dir. Brian J. Hornung

Vice President – Healthcare/Dir. James G. Yehle

Asst. Secretary Eric K. Wynn

Director Sonya G. Femal

\$8,383,000.00
FILE

BID OF J. H. FINDORFF & SON, INC.

2015

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE STATION NO. 1 –
(HOVDE PROPERTIES TENANT IMPROVEMENTS)

CONTRACT NO. 6891

PROJECT NO. 53W1434

MUNIS NO. 10387-30-140

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON MARCH 3, 2015

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE
STATION NO. 1 – (HOVDE PROPERTIES TENANT
IMPROVEMENTS)**

CONTRACT NO. 6891

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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: RW

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:	FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE STATION NO. 1 – (HOVDE PROPERTIES TENANT IMPROVEMENTS)
CONTRACT NO.:	6891
SBE GOAL	9%
BID BOND	5%
PRE BID MEETING (1:00 P.M.)	JANUARY 30, 2015
PRE-BID WALKTHRU (10:00 A.M. to 1:00 P.M.)	JANUARY 21, 2015
PREQUALIFICATION APPLICATION DUE (1:00 P.M.)	JANUARY 30, 2015
BID SUBMISSION (1:00 P.M.)	FEBRUARY 6, 2015
BID OPEN (1:30 P.M.)	FEBRUARY 6, 2015
PUBLISHED IN WSJ	1/9/15, 1/16/15, 1/23/15 & 1/30/15

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.

PRE-BID WALK THROUGH:

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 January 21, 2015 and the agenda will begin at 10:00 am.
2. Please meet in the Existing Training Room (210) of fire Station 1 located at 316 w. Dayton St. before 10:00 am. Contractors must ring the service bell at the Dayton St secured entrance door to gain access to the building. There is limited street parking. The Overture Parking Ramp is across the street from the project site.
3. Part of the walk through is an active construction site. All bidding contractors attending the walk-through shall be required to bring their own hard hats and safety glasses.
4. This will be the only opportunity for bidding contractors to walk through the site. An alternate date may be selected in the event of inclement weather as determined solely at the discretion of the City Project Manager.
5. Representatives from Eppstein Uhen Architects, Inc.; JDR Engineering, Inc.; KJWW Engineering Consultants; and City Staff will be on hand to conduct the building walk through discuss the plans, specifications and expectations of the contract.

QUESTIONS, CLARIFICATIONS, AND REQUESTS FOR ALTERNATES

If needed, the City of Madison and Eppstein Uhen, Inc. shall publish one (1) all inclusive addendum no later than 1:00 pm on Tuesday, January 30, 2015 to respond to any questions, clarifications, or requests for alternates.

1. Any questions or request for clarifications regarding plans and specifications shall be submitted directly to the Project Architect at Eppstein Uhen.
 - a. The Project Architect will further distribute questions to the appropriate consultant or City Staff as needed.
 - b. All responses will be held and published by the City of Madison in the form of a bidding addendum.
 - c. See the contract contact information at the end of section D-Special Provisions for contact information. All questions shall be sent via email, reference Fire Admin Contract 6891 in the subject line.
2. Requests for alternates or substitutions shall be done according to Specification 01 25 13 Product Substitution Procedures and other specifications as necessary.

- a. Use the form at the end of the specification. Submit all materials to the Project Architect via email. Point of Contact information is on the last page of Bid Tab "D" – Special Provisions prior to the Eppstein Uhen specification document.
 - b. Contractors are cautioned to review all specifications and note whether substitutions for specific products will be allowed or not.
3. **The deadline for receiving all questions, clarifications, and requests for alternates shall be 12:00pm (noon) on Monday, January 26, 2015.**
- a. No additional questions, clarifications, or requests for alternates will be received after this deadline.

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/aaTBDDir.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/aaTBDDir.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.

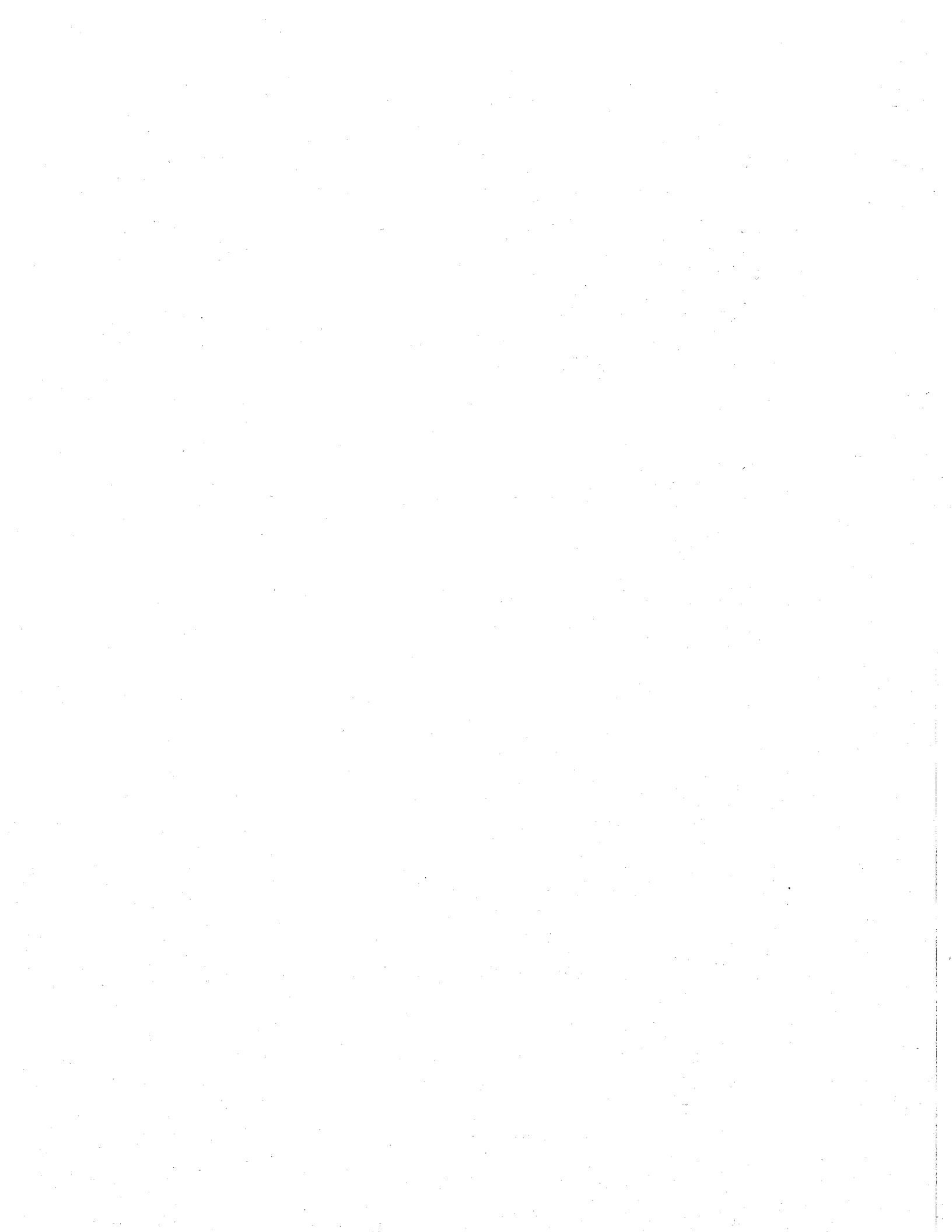
2.7 SBE Definition and Eligibility Guidelines

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

FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE STATION NO. 1 – (HOVDE PROPERTIES TENANT IMPROVEMENTS) CONTRACT NO. 6891

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 sheet) 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:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Building and Heavy Construction |
| <input type="checkbox"/> | Sewer, Water, and Tunnel Construction |
| <input type="checkbox"/> | Local Street and Miscellaneous Paving Construction |
| <input type="checkbox"/> | Residential and 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).

ARTICLE 103: AWARD AND EXECUTION OF THE CONTRACT

The awarded Contractor shall completely execute the signing of all contract documents and submit them to City Engineering prior to 12:00pm on February 24, 2015. No exceptions or extensions to the above date will be permitted.

ARTICLE 104: SCOPE OF WORK

This contract is for the renovation of the existing Fire Station 1 located at 316 W. Dayton Street and the build-out of city owned tenant space in the Hovde Properties project located at 309 West Johnson Street. The contractor shall refer to specification 01 10 00 – Summary for additional project summary details.

The scope of work includes the furnishing of all labor, materials, equipment, tools, and other services necessary to complete the work in accordance with the intent of this contract. The Contractor shall use properly functioning equipment capable of performing the tasks required. The Contractor shall furnish workers who perform quality work and who are experienced and knowledgeable in the work proposed.

ARTICLE 104.1: LANDS FOR WORK

Lands for work shall include all of the following:

- Existing Madison Fire Department, Fire Station 1, located at 316 W. Dayton Street. The fire station was constructed in 1967 and consists of a main ground floor with a full apparatus bay, a

basement mechanical room, second floor, living area and third floor dormitory area. The exterior project limits shall be any sufficient space as required for the safe and efficient execution of work related to the renovation of Fire Station 1. See Cooperation of the Contractor for additional information and requirements.

- Existing boxed out tenant space in the Hovde Properties project located at 309 West Johnson Street. The City of Madison owns approximately 30,000 square feet on multiple levels of this mixed use structure currently under construction. See Cooperation of the Contractor for additional information and requirements.
- The contractor may use the front driveway (W. Dayton St.) of Fire Station 1 between the sidewalk and overhead garage doors and the vehicle apparatus bay during the execution of this contract.

SECTION 104.2 INTENT AND COORDINATION OF CONTRACT DOCUMENTS

The contract documents are complimentary of each other and consist of all of the following:

- The City Standard Specification, 2015 Edition
- These Special Provisions including all plans and specifications as noted by the exhibits list below
- All Addendums to the bidding documents
- Any supplemental instructions, details, or specifications issued during the course of the contract.
- The following exhibits are for bidding purposes, all exhibits are PDF readable files.
 - EXHIBIT A – General (G) plan information sheets (cover, contents, etc)
 - EXHIBIT B – Architectural Site (AS) plan sheets
 - EXHIBIT C – Structural (S) plan sheets
 - EXHIBIT D – Architectural (A) plan sheets
 - EXHIBIT E – Architectural Demolition (AD) plan sheets
 - EXHIBIT F – Fire Protection (F) plan sheets
 - EXHIBIT G – Plumbing (P) plan sheets
 - EXHIBIT H – Mechanical (M) plan sheets
 - EXHIBIT I – Electrical (E) plan sheets
 - EXHIBIT J – Technology (T) plan sheets
 - EXHIBIT K – Fire Station Alerting System (FSAS) plan sheets
 - EXHIBIT L – Volume 1-Specs Div 1-14
 - EXHIBIT M – Volume 2-Specs Div 21-33
 - Divisions 15-20 are not used
 - The Contractor should be aware that the specification titles listed in the Table of Contents of each volume are linked to the first page of that specification.
- The following exhibits are provided for reference of the existing Fire Station 1 facility only. This exhibit is a PDF readable file.
 - Exhibit N – 1967 FS1_Admin Plan Set
 -

SECTION 105.5: INSPECTION OF WORK

The Contractor shall coordinate directly with any and all regulatory agencies having jurisdiction over the licensing, permitting, and inspection, of work as described in these construction documents.

The Contractor shall be familiar with Specification 01 45 16-Field Quality Control Procedures regarding City of Madison policies and procedures for Quality Assurance and Quality Control.

SECTION 105.6: CONTRACTORS RESPONSIBILITY FOR WORK

The Contractor shall not take advantage of any discrepancy in the plans or specifications. This shall include but not be limited to apparent errors, omissions, and interpretations involving codes, regulations, and standards.

Any Contractor who identifies such a discrepancy during the bidding process shall notify the Project Architect and City Project Manager of the discrepancy prior to the "Questions and Clarifications Deadline" as noted in Section A of the bid documents.

Any Contractor who identifies such a discrepancy during the abatement process shall immediately notify the Project Architect and City Project Manager in writing and request clarification on how to proceed. See Specification 01 26 13-Request for Information (RFI).

If a conflict exists within the Specifications or exists within the Drawings, the Contractor shall perform the work that most closely fits the City's intent of this contract.

SECTION 105.7: CONTRACT DOCUMENTS

The General Contractor is responsible for reproducing all construction documents necessary to complete the Work at their own cost. This shall include plans, specifications, addenda for the General Contractor and all Sub-contractors.

SECTION 105.9: SURVEYS, POINTS AND INSTRUCTIONS

The General Contractor is responsible for providing all survey, benchmarks, points, and elevations required for this project.

SECTION 105.12: COOPERATION BY THE CONTRACTOR

The Contractor shall provide the City Project Manager and the Project Architect with a five (5) working day notice when it becomes necessary to do either of the following:

- Gain access to and conduct work in non City owned space of the Hovde Properties project. The following requirements shall apply:
 - Provide an anticipated work schedule that access will be required
 - All tools, equipment, and materials shall be mobile and shall be removed from non City owned space at the end of each work day.
- Use the alley adjacent to the project south property line. This alley is owned by Capital Centre Court Apartments and is a Public Fire Lane by easement. The Madison Fire Department has placed the following restrictions on using the alley for work:
 - Semi-permanent structures such as scaffolding will not be permitted.
 - Contractor will vacate the alley immediately if required to do so, at anytime, by the Madison Fire Department.
 - Any equipment being used by the Contractor in the easement must be motorized, easily removed, and always attended with a qualified operator.
 - Equipment must be removed from the alley when not being actively used including after hours.
 - Provide two (2) traffic barrels and one (1) ROAD CLOSED sign at each end of the alley. Cost of all traffic control measures required shall be part of the Contractor's lump sum base bid.

The City Project Manager and Project Architect shall notify the adjacent property owners and the contractor on the adjacent construction site of the dates and duration the alley will be closed.

The Contractor shall review all other specifications within the construction documents for other requirements and coordination of work associated with this contract.

SECTION 107.2 PROTECTION AND RESTORATION OF PROPERTY

The Contractor shall follow these general guidelines while performing work associated with this contract:

- See Specification 01 76 00-Protecting Installed construction for more information.
- All damage, not consistent with requirements of the contract documents, to either building shall be repaired or replaced to the original or better condition at the Contractor's expense.
- The Contractor shall be responsible for protecting all mature trees including limbs and branches during all exterior construction activities. This shall include the use of any equipment required to assist work being completed under this contract.
 - This shall also apply to trees directly across the street from the construction site as well as trees on adjacent properties.
 - The Contractor shall replace any damaged tree with similar specimen and size as directed by the City of Madison at the Contractor's expense.

SECTION 108.2 PERMITS AND LICENSING

The Contractor shall be required to provide to apply, pay for and obtain all permits or licenses that may be required by these contract documents regardless of ordinance, statute, or other regulatory requirement.

SECTION 109.7 TIME OF COMPLETION

Work shall begin only after the contract is completely executed and the start work letter is received. It is anticipated that the start work letter shall be issued on or about March 23, 2015.

The Contractor shall review Specifications 01 29 76 Progress Payment Procedures and 01 77 00 Closeout Procedures and be completely familiar with progress payment milestones and definitions related to construction closeout and contract closeout.

The Contractor shall have reached a level of Construction Closeout **NO LATER THAN November 20, 2015**. This milestone by definition in the specifications includes Owner Occupancy of all Madison Fire Department spaces in both Fire Station 1 and the Hovde Properties project.

The Contractor shall have reached a level of Contract Closeout **NO LATER THAN January 4, 2016**.

SECTION 109.7 LIQUIDATED DAMAGES

The fixed, agreed and liquidated damages for failure to complete Construction Closeout by the above specified date shall be **\$1155.00** per calendar day for each calendar day in which the work remains incomplete.

The fixed, agreed and liquidated damages for failure to complete Contract closeout by the above specified date shall be **\$400.00** per calendar day for each calendar day in which the contract remains open.

In no case shall the total fixed, agreed and liquidated damages exceed **\$1155.00** per calendar day.

NON STANDARD BID ITEMS

BID ITEM 90001 – BASE BID

DESCRIPTION: The BASE BID shall include the complete installation of all building, mechanical, site, and utility components; the accepted testing, and commissioning of all systems; and the completion, and turn-in of all deliverables as outlined in the plans and specifications.

METHOD OF MEASUREMENT: The BASE BID shall be measured as Lump Sum of the required construction and installations described in the plans and specifications. Partial Payments shall be requested as indicated in Specifications 01 29 73-Schedule of Values and 01 29 76-Progress Payment Procedures.

BASIS OF PAYMENT: The BASE BID shall be paid at the contract unit price. Partial payments shall be reviewed and authorized as described in the above referenced specifications.

POINTS OF CONTACT

We ask all Contractors with questions and concerns regarding the bidding of these contract documents to do so by email so we may properly log, track and respond to all issues.

* Reference Fire Admin Contract 6891 in the subject line of all emails

The Project Manager for City Engineering, Facility Management for this contract is:

Jeanne Hoffman
Facility Management and Sustainability Coordinator
PH: (608) 266-4091
Email: jhoffman@cityofmadison.com

The Project Architect for this contract is:

Mr. Jon Robelia, AIA
Project Architect
Eppstein Uhen Architects
Email: jonr@eua.com

Alternate:

Mr. Clifford Goodhart
Senior Project Manager
Eppstein Uhen Architects
Email: cliffg@eua.com





Department of Public Works
Engineering Division
Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115
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Madison, Wisconsin 53703
Phone: (608) 266-4751
Fax: (608) 264-9275
engineering@cityofmadison.com
www.cityofmadison.com/engineering

Assistant City Engineer
Michael R. Dailey, P.E.

Principal Engineers
Christina M. Bachmann, P.E.
John S. Fahrney, P.E.
Gregory T. Fries, P.E.
Christopher J. Petykowski, P.E.

Facilities & Sustainability
Jeanne E. Hoffman, Manager

Operations Manager
Kathleen M. Cryan

Mapping Section Manager
Eric T. Pederson, P.S.

Financial Manager
Steven B. Danner-Rivers

Hydrogeologist
Brynn Bemis

January 30, 2015

NOTICE OF ADDENDUM
ADDENDUM NO. 1

CONTRACT NO. 6891, PROJECT NO. 53W1434
FIRE STATION ADMIN OFFICE BUILDING and FIRE STATION 1

Revise and amend the contract document(s) for the above project as stated in the attached four (4) pages of this addendum, otherwise, the original document shall remain in effect.

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 Bid Express at <https://www.bidexpress.com/>

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

For questions regarding this bid, contact:

Randy Wiesner
City of Madison Engineering
Phone: 608-267-8679
Fax: 608-264-9275
Email: rwiesner@cityofmadison.com

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



Office of City Engineering
City Engineering
Room 115, City County Building
210 Martin Luther King Jr. Boulevard
Madison, WI 53703-3346
TEL: 608/266-4751 FAX: 608/264-9275
Website: www.cityofmadison.com/engineering.html

ADDENDUM NO. 1
City of Madison, Engineering Department

CONTRACT NO. 6891, PROJECT NO. 53W1434
FIRE STATION ADMIN OFFICE BUILDING and FIRE STATION 1

This addendum is issued to modify, explain or correct the original Drawings, Specifications, or Contract Documents marked as *Fire Station Admin Office Building and Fire Station 1, City of Madison Project #53W1434, Contract #6891, as issued on January 9, 2015* and is hereby made a part of the contract documents.

This addendum consists of the following documents:

- **Addendum summary**, four (4) page(s) of text
- **Republished Specification Sections**, five (5) PDF files of text
- **Republished Drawing Sheets**, thirty-one (31) individual sheet PDF files
- **Pre-bid Walk-thru Sign-in Sheet**, one (1) PDF file

Please attach these Addendum documents to the Drawings and Project manual in your possession.

1. **GENERAL CONTRACT CONDITIONS**

- A. Contract Documents; Section A: Advertisement for Bids and Instruction to Bidders, page A-1; please change the date in sentence 1 under Questions, Clarifications, and Requests for Alternates to read **Friday**, January 30, 2015.

2. **GENERAL QUESTIONS AND ANSWERS**

- A. **Q.** What is required for the existing catch basin located in the Turnout Gear Storage Room?
A. Refer to plumbing demolition drawing PD100 for requirements associated with the existing catch basin.
- B. **Q.** HVAC calls for the grille opening into Storage Room 201 to be demolished on MD102. Is it to be infilled by the GC?
A. Wall opening will be reused and enlarged for new door and duct above.

3. **SUBSTITUTIONS**

The following materials or products have been reviewed and are considered to be acceptable equivalent substitutions to products already specified in the contract documents.

- A. Specification 10 14 00, Signage, approved for interior and exterior signage
Creative Sign Company, 505 Lawrence Dr., DePere, WI, (920)-336-8900
- B. Specification 07 27 20, Fluid Applied Vapor Permeable Air Barrier Membrane: TK Products; TK-AirMax 2104 and BASF Corp.; Enershield-HP.
- C. Specification 08 11 13, HM Doors and Frames, Interior: Mesker Doors
- D. Specification 23 82 00 Convection Heating and Cooling Units (Hot Water)
i. Vulcan shall be added as an acceptable manufacturer for the following equipment:
 - Convectors

4. **SPECIFICATIONS**

Specifications contain the revisions noted below or have been added to the document set.

- A. **Specification 01 25 13:** Replace this Section in its entirety, revisions highlighted.
- B. **Specification 01 50 00:** Replace this Section in its entirety, revisions highlighted.
- C. **Specification 06 41 00:** Add custom lectern and brush-type grommets to this section.
i. Add Part 1.1.E – "E. Custom-fabricated multimedia lectern."
ii. Add Part 2.8 "CUSTOM-FABRICATED MULTIMEDIA LECTERN."
iii. Add Part 2.8.1 – "Provide Model MFI #28654MW/MLP 45, Wilson Art #7965K Walnut Heights, Wilsonart Laminate #7965K Walnut Heights, Matte as manufactured by Marshall



- Furniture Co., 999 Anita Ave., Antioch, IL. 60002
- iv. Add Part 2.5.F – “Brush Grommets: Continuous grommet and extrusion, in color as selected by Architect. Provide where indicated on drawings. Manufacturer: Doug Mockett & Company. Model BREXT.
- D. Specification 07 27 20:** Add the following acceptable manufacturers:
- Part 2.1.A.1.a “TK Products; TK-AirMax 2104
 - Part 2.1.A.1.b “BASF Corp.; Enershield-HP.
- E. Specification 08 80 00:** Add glass smoke baffle system.
- Add Part 1.1.B.4 – “4. Glass smoke baffle system.”
 - Add Part 2.11 “GLASS SMOKE BAFFLE SYSTEM.”
 - Add Part 2.11.A – “Glass Type GL-5: Clear fully tempered float glass. Total thickness: 1/2”.
Two Piece Smoke Baffle Base Shoe: CRL Blumcraft Satin Anodized SB200.
- F. Specification 08 11 13:** Add the following acceptable manufacturers:
- Part 2.1.A.5 – Mesker Doors.
- G. Specification 10 14 00:** Replace this Section in its entirety, revisions highlighted.
- H. Specification 10 51 00:** Replace this Section in its entirety, revisions highlighted.
- I. Specification 23 05 23.10:** Add Buffer Tanks
- Add Scope: Part 2 Products: Buffer Tanks (page 1, line 36)
 - Add Scope: Part 3 Execution: Buffer Tanks (page 2, line 6)
 - Part 2 – Products – Page 7, lines 1-11: Insert Buffer Tanks as follows:
 - **BUFFER TANKS**
 - Manufacturers:
 - A.O. Smith “Custom Line,” or Wessels.
 - Description:
 - Steel construction with prime coat finish, internal epoxy lining, tested and stamped in accordance with Section 8D of ANSI/ASME Code and furnished with National Board Form U-1, rated for working pressure of not less than 125 PSI. Tank shall have top air vent tapping, drain valve tapping, system supply and return tappings, and angle legs for vertical installations. Tank shall have internal baffles as specified on Drawings. Size and capacity as specified on Drawings. Refer to Drawings for quantity and locations of tank tappings.
 - Part 3 – Execution – Page 11, lines 1-5: Insert Buffer Tanks as follows:
 - **BUFFER TANKS**
 - Install tank where indicated on Drawings, coordinating concrete base installation with General Contractor. Provide structural supports required, including hanger rods for suspended installation and steel supports for wall mounted installations. Fabricate supports to suit application. Install specified tank accessories.
- J. Specification 23 36 00:** Remove “Carrier” from the list of acceptable manufacturers.
- K. Specification 27 05 53:** Identification and Administration.
- Revise section 2.1.F to require contractor to coordinate labeling scheme with City of Madison staff during pre-installation meeting.
- L. Specification 27 41 43:** Audio-Visual Accessories, revised January 26, 2015. New specification. Insert to the appropriate place in Volume II of the specifications.

5. **DRAWINGS**

Individual drawing sheets contain the revisions noted below and each sheet indicated has been re-published with this addendum. Revisions on the sheet can be identified by a “cloud” and revision triangle.

- A. G000 (not re-published):**
- Corrected name listed for Sheet A340 to match name shown on sheet: “FIRE ADMIN LOBBY STAIR SECTIONS AND DETAILS”.
- B. AD102 ADDENDUM 1:**
- Revised keynotes in Kitchen 203 regarding removal and reinstallation of existing kitchen equipment.
- C. A100 ADDENDUM 1:**
- Added general note regarding new sealant at precast floor panels.
- D. A101 ADDENDUM 1:**



- i. Added general note regarding new sealant at precast floor panels.
 - ii. Changed keynote 2651-01 to 0836-02 to align with proper specification section
- E. A102 ADDENDUM 1:**
 - i. Added general note regarding new sealant at precast floor panels.
- F. A103 ADDENDUM 1:**
 - i. Added general note regarding new sealant at precast floor panels.
 - ii. Changed type of one partition from "S3A 11" to "S6A 11"
- G. A107 ADDENDUM 1:**
 - i. Changed type of two partitions from "S3A 11" to "S6A 11"
 - ii. Changed locker layout and added bench in Locker 262B and in Locker 263B
- H. A121 ADDENDUM 1:**
 - i. Changed wall paint designation in Apparatus Bay 104 from PT-13 to PT-10
- I. A210 ADDENDUM 1:**
 - i. Changed keynote in D2/A210 regarding removal and reinstallation of existing sink unit
- J. A232 ADDENDUM 1:**
 - i. Changed locker layout and added bench in elevations B6/A232 and B7/A232
- K. A235 ADDENDUM 1:**
 - i. Updated dimension in elevation C3 due to partition type change
- L. A340 (not re-published):**
 - i. For elevations A1 and A5/A340, please refer to related elevations A1 and A5/A230 for wall-mounted lighting locations
- M. A400 ADDENDUM 1:**
 - i. In C6/A400, changed keynotes regarding kitchen equipment
- N. A420 ADDENDUM 1:**
 - i. In A1/A420, changed locker layout and added bench in Locker 262B and in Locker 263B
- O. A601 ADDENDUM 1:**
 - i. Edited material schedule remark 15 to include hollow metal doors
- P. P000 ADDENDUM 1:**
 - i. Added "BASIN SHALL CONFORM TO ASTM 478" to PLUMBING DRAIN AND CLEANOUT SCHEDULE.
 - ii. Revised sanitary ejector (SE-1) basin and cover description in EJECTORS AND SUMP PUMPS SCHEDULE.
- Q. PD102 ADDENDUM 1:**
 - i. Added Keyed Note #5 stating to remove and replace existing three compartment sink.
- R. P100 ADDENDUM 1:**
 - i. Added Keyed Note #17 stating that sanitary ejector (SE-1) basin, floor drain, and piping from floor drain in generator vault is by Hovde building contract.
- S. MD101 (not re-published):**
 - i. Added keyed note 26 and assign to the existing air compressor. Keyed note 26 shall read as follows:
 - "HC SHALL BE RESPONSIBLE FOR REMOVAL, SALVAGE, AND RELOCATION OF THE EXISTING BAUER AIR COMPRESSOR. REFER TO SHEET M101 FOR ADDITIONAL REQUIREMENTS."
- T. MD102 (not re-published):**
 - i. Modified keyed note 27 to read as follows:
 - "REMOVE EXISTING KITCHEN HOOD AND RANGE/OVEN. SALVAGE FOR RELOCATION. DISCONNECT FIRE SUPPRESSION FROM HOOD. HC TO CLEAN HOOD AND FILTERS. ALL WORK ASSOCIATED WITH THE KITCHEN HOOD, RANGE/OVEN, AND FIRE SUPPRESSION IS THE RESPONSIBILITY OF THE HC. REFER TO M102 FOR NEW WORK."
- U. M101 (not re-published):**
 - i. Modified keyed note 24 to read as follows:
 - "BAUER AIR COMPRESSOR (E) SHALL BE RELOCATED BY HC."
- V. M300 ADDENDUM 1:**
 - i. Modified chilled water piping to add a buffer tank into the primary loop. Plan and sections modified to reflect the associated revisions.
- W. M301 (not re-published):**
 - i. Plan 1/M301: Move keyed note 19 from louver L-2 to louver L-1. Louver L-1 shall be furnished by owner, installed by HC.



- X. M800 ADDENDUM 1:**
 - i. Added "Buffer Tank Schedule" to the schedule sheet.
- Y. M902 ADDENDUM 1:**
 - i. Added detail 10/M902 – "Buffer Tank Detail".
- Z. E000 ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- AA.E002 ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- BB.E100P ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- CC.E101L ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- DD.E101P ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- EE. E102L ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- FF. E102P ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- GG.E103L ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- HH. E103P ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- II. E104P ADDENDUM 1:**
 - i. Multiple plan updates. Refer to drawing for revisions.
- JJ. T600 ADDENDUM 1:**
 - i. Camera (CCTV) type schedule
 - Revised part numbers of video surveillance cameras. Cameras are Owner furnished, Contractor installed.
- KK.T601 ADDENDUM 1:**
 - i. Modified VS-CAM-1, VS-CAM-C and VS-CAM-W to reflect cameras are Owner furnished, Contractor installed.
 - ii. Revised referenced specification section in description of item VS-PS-1 to be 28 20 00.

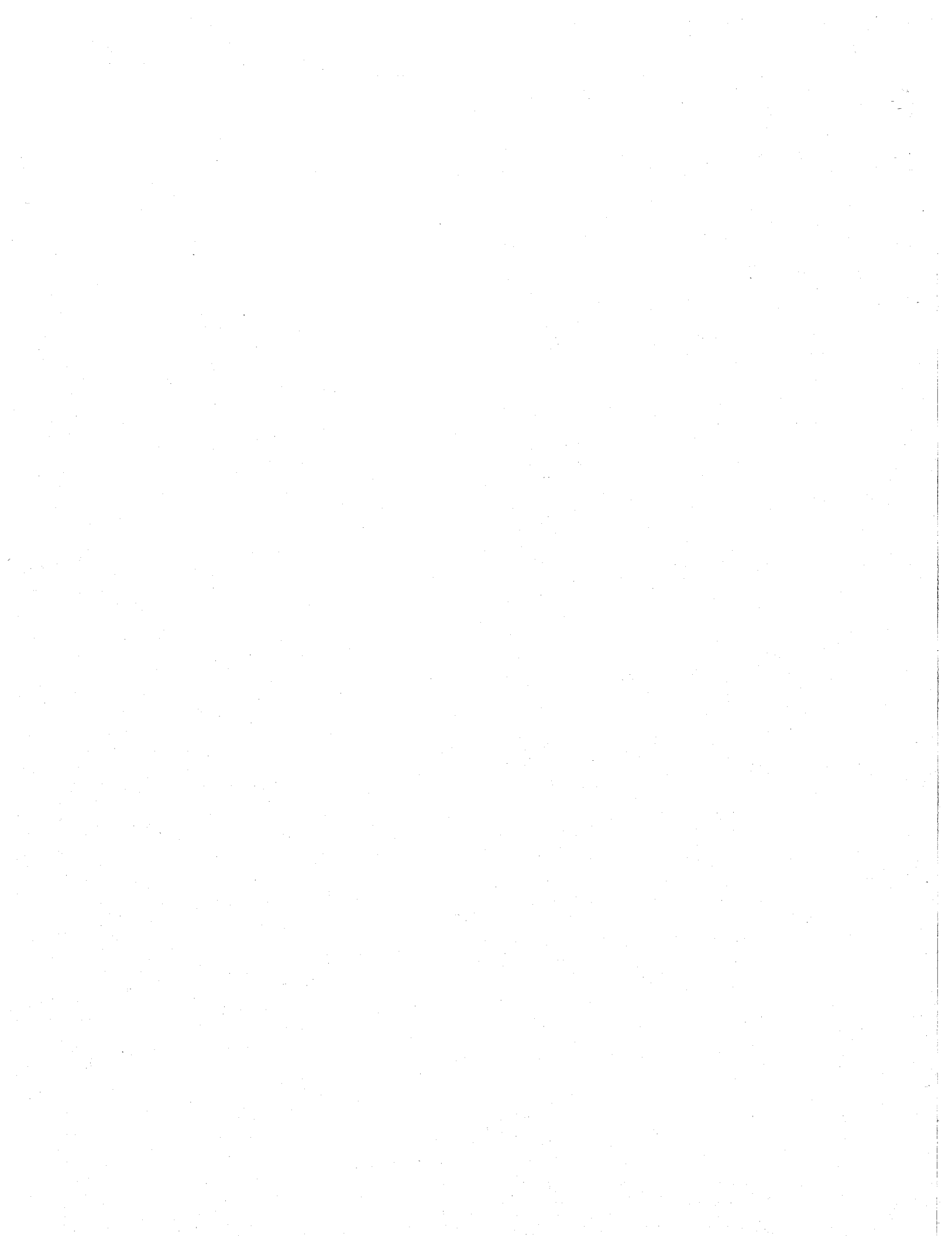
6. **PROPOSAL**

This section is not used.

SECTION C

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

END OF ADDENDUM.



Fire Station Administration Office Building and Fire Station No. 1
(Hovde Properties Tenant Improvements)
Contract No. 6891

SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Temporary utilities.
- B. Temporary telecommunications services.
- C. Temporary sanitary facilities.
- D. Drinking water.
- E. Security requirements.
- F. Vehicular access and parking.
- G. Waste removal facilities and services.
- H. Project identification sign.
- I. Field offices.

1.2 QUALITY ASSURANCE

- A. Regulations: Comply with industry standards and applicable laws and regulations if authorities having jurisdiction, including but not limited to:
 - 1. Building Code requirements.
 - 2. Health and safety regulations.
 - 3. Utility company regulations.
 - 4. Police, Fire Department and Rescue Squad rules.
 - 5. Environmental protection regulations.
 - 6. Joint Commission - Hospital Accreditation Standards.
- B. Standards: Comply with NFPA 241 "Standard for Safeguarding Construction, Alterations, and Demolition Operations," ANSI A10 Series standards for "Safety Requirements for Construction and Demolition," and NECA Electrical Design Library "Temporary Electrical Facilities."
- C. Electrical Service: Comply with NEMA, NECA, and UL standards and regulations for temporary electric service. Install service in compliance with NFPA 70 "National Electric Code."

1.3 TEMPORARY UTILITIES

- A. Owner will provide the following:
 - 1. Electrical power and metering, consisting of existing facilities.
 - 2. Water supply, consisting of existing facilities.
- B. General:
 - 1. Existing facilities may be used.
 - 2. New permanent facilities may be used.
- C. Water Service: water is available from existing building services.
 - 1. Use trigger-operated nozzles for water hoses, to avoid waste of water.

- D. Temporary Electric Power Service: Electrical Contractor shall extend temporary power from existing building services.
- E. Temporary Lighting: Electrical Contractor shall provide temporary lighting with local switching.
 - 1. Install and operate temporary lighting that will fulfill security and protection requirements, without operating the entire system, and will provide adequate illumination for construction operations and traffic conditions.
- F. Temporary Heat: General Contractor shall provide temporary heat required by construction activities, for curing or drying of completed installations or protection of installed construction from adverse effects of low temperatures or high humidity. Select safe equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce the ambient condition required and minimize consumption of energy.
 - 1. Heating Facilities: Except where use of the permanent system is authorized, provide vented self-contained LP gas or fuel oil heaters with individual space thermostatic control.
 - a. Use of gasoline-burning space heaters, open flame, or salamander type heating units is prohibited.

1.4 TELECOMMUNICATIONS SERVICES

- A. Provide, maintain, and pay for telecommunications services to field office at time of project mobilization ~~through construction closeout~~.
- B. Telecommunications services shall include:
 - 1. Windows-based personal computer dedicated to project telecommunications, with necessary software and laser printer.
 - 2. Email: Account/address reserved for project use.
 - 3. ~~Telecommunications services shall be able to support up to ten (10) laptop or tablet devices at any given time~~

1.5 TEMPORARY SANITARY FACILITIES

- A. Provide and maintain required facilities and enclosures. Provide at time of project mobilization.
- B. Temporary toilets: Comply with regulations and health codes for the type, number, location, operation, and maintenance of fixtures and facilities. Install where facilities will best serve the Project's needs.
 - 1. Provide toilet tissue, paper towels, paper cups, and similar disposable materials for each facility. Provide covered waste containers for used material.
 - 2. Toilets: Install self-contained toilet units. Shield toilets to ensure privacy.
- C. Maintain daily in clean and sanitary condition.
- D. Water: Provide potable water approved by local health authorities.

1.6 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public and to protect existing facilities and adjacent properties from damage from construction operations and demolition.

1.7 FENCING

- A. Construction: Contractor's option.

1.8 EXTERIOR ENCLOSURES

- A. Provide temporary weather tight closure of exterior openings to accommodate acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification sections, and to prevent entry of unauthorized persons. Provide access doors with self-closing hardware and locks.

1.9 SECURITY

- A. Provide security and facilities to protect Work, existing facilities, and Owner's operations from unauthorized entry, vandalism, or theft.

1.10 VEHICULAR ACCESS AND PARKING

- A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.
- B. Coordinate access and haul routes with governing authorities and Owner.
- C. Provide and maintain access to fire hydrants, free of obstructions.
- D. Existing parking areas located at Dayton Street in front of Fire Station #1 may be used for construction parking until Station #1 is occupied by Owner.

1.11 WASTE REMOVAL

- A. See Section 01 74 19 - Waste Management, for additional requirements.
- B. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.
- C. Provide containers with lids. Remove trash from site periodically.
- D. If materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.
- E. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

1.12 PROJECT IDENTIFICATION

- A. Provide project identification sign of design and construction indicated in Section 01 58 13.
- B. Erect on site at location determined by Owner.
- C. No other signs are allowed without Owner permission except those required by law.

1.13 FIELD OFFICES

- A. Office: Weathertight, with lighting, electrical outlets, heating, cooling equipment, and equipped with sturdy furniture, drawing rack and drawing display table.

- B. Provide space for Project meetings, with table and chairs to accommodate a minimum of fifteen (15) persons.
- C. Field Office may be located in Station #1.
- D. Provide a minimum 40" LCD wall mounted monitor with HDMI connection, or digital projection device
 - 1. To be used during progress meetings in connection with reviewing construction progress on the Project Management Web Site (Specification 01 31 23) hosted by the Owner.

1.14 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, materials, prior to Substantial Completion inspection.
- B. Remove underground installations to a minimum depth of 2 feet (600 mm). Grade site as indicated.
- C. Clean and repair damage caused by installation or use of temporary work.
- D. Restore existing facilities used during construction to original condition.
- E. Restore new permanent facilities used during construction to specified condition.

PART 2 PRODUCTS

2.1 TEMPORARY PARTITIONS

- A. Provide dustproof partitions to limit dust and dirt migration and to separate occupied areas from fumes and noise.
 - 1. Non-fire rated partions, standard:
 - a. Wood stud framing, 6-mil polyethene.

2.2 EQUIPMENT

- A. Temporary Lifts and Hoists: Contractors requiring temporary lifts and hoists shall provide facilities for hoisting materials and employees.
- B. Electrical Outlets: Electrical Contractor shall provide properly configured NEMA polarized outlets to prevent insertion of 110-120 volt plugs into higher voltage outlets. Provide receptacle outlets equipped with ground-fault circuit interrupters, reset button and pilot light, for connection of power tools and equipment.
- C. Electrical Power Cords: Contractors requiring power cords shall provide grounded extension cords; use "hard-service" cords where exposed to abrasion and traffic. Provide waterproof connectors to connect separate lengths of electric cords, if single lengths will not reach areas where construction activities are in progress. Do not exceed safe length-voltage ratio.
- D. Lamps and Light Fixtures: Electrical Contractor shall provide general service incandescent lamps of wattage required for adequate illumination. Provide guard cages or tempered glass enclosures, where exposed to breakage. Provide exterior fixtures where exposed to moisture.
- E. Heating Units: General Contractor shall provide temporary heating units that have been tested and labeled by UL, FM or another recognized trade association related to the type of fuel being consumed.
- F. First Aid Supplies: General Contractor shall provide first aid supplies complying with governing regulations.

- G. Fire Extinguishers: General Contractor shall provide hand-carried, portable UL-rated, fire extinguishers of NFPA recommended classes for the exposures, extinguishing agent and size required by location and class of fire exposure.

PART 3 EXECUTION

3.1 TEMPORARY FIRE PROTECTION:

- A. Until fire protection needs are supplied by permanent facilities, General Contractor shall install and maintain temporary fire protection facilities of the types needed to protect against reasonably predictable and controllable fire losses.
- B. Comply with NFPA 10 "Standard for Portable Fire Extinguishers," and NFPA 241 "Standard for Safeguarding Construction, Alterations and Demolition Operations."
- C. Locate fire extinguishers where convenient and effective for their intended purpose.
- D. Store combustible materials in containers in fire-safe locations.
- E. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways and other access routes for fighting fires.
- F. Prohibit smoking on the premises.
- G. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
- H. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site.
- I. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

3.2 COLLECTION AND DISPOSAL OF WASTE:

- A. Collect waste from construction areas and elsewhere daily.
- B. Comply with requirements of NFPA 241 for removal of combustible waste material and debris. Enforce requirements strictly.
- C. Do not hold materials more than 7 days during normal weather or 3 days when the temperature is expected to rise above 80 deg F.
- D. Handle hazardous, dangerous, or unsanitary waste materials separately from other waste by containerizing properly. Dispose of material in a lawful manner.

3.3 ENVIRONMENTAL PROTECTION:

- A. Provide protection, operate temporary facilities and conduct construction in ways and by methods that comply with environmental regulations, and minimize the possibility that air, waterways and subsoil might be contaminated or polluted, or that other undesirable effects might result.
- B. Avoid use of tools and equipment which produce harmful noise.
- C. Restrict use of noise making tools and equipment to hours that will minimize complaints from persons or firms near the site.

1 - Addendum #1

END OF SECTION

SECTION 27 41 23
AUDIO-VIDEO ACCESSORIES

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PART 1 – GENERAL

1.1. SUMMARY

- A. This specification shall identify equipment components and accessories required for to complete Audio-Video (A/V) installations not previously identified in other Division 27 specifications. It does not include materials such as cables, boxes, connectors, conduit, supports and other ancillary equipment required to complete the installation.
- B. This specification shall clearly identify responsibilities of various contractors and the Owner including project coordination, installation, and testing of installed components.
- C. For the purposes of this specification the term Contractor shall refer to the person(s) responsible for installing and integrating the A/V components and equipment described herein, and may or may not be the same contractor installing other Division 27 and 28 related equipment. Other contractors having related work shall be referred to by full title (Electrical Contractor).

1.2. RELATED SPECIFICATIONS

- A. 01 31 23 Project Management Web Site
- B. 01 33 23 Submittals
- C. 01 78 23 Operation and Maintenance Data
- D. 01 78 36 Warranties
- E. 01 78 39 As-Built drawings
- F. All Division 27 specifications that may apply to this installation
- G. Other division specifications that may apply to this work for coordination

1.3. AREAS OF RESPONSIBILITY

- A. The General Contractor shall be responsible for ensuring all of the following:
 - 1. Coordinate with the Contractor and the Owner or Owners Representative the scheduling, purchasing, and receiving of all Owner provided products and equipment.
 - 2. Coordinate all Contractor related work with the construction schedule.
 - 3. Coordinate all required Work with the Contractor and other trades during pre-installation meetings and resolve installation issues as needed.
- B. The Contractor shall be responsible for all of the following:
 - 1. Direct coordination with the Owner or Owners Representatives for all equipment being provided and/or configured by the Owner.
 - 2. Verification of Owner installation requirements prior to installing equipment and accessories.
- C. The Owner or Owners Representatives shall be responsible for all of the following:
 - 1. Coordinating all purchases and deliveries of the Owner provided equipment to the project site with the GC and Contractor so as not to delay the installation or project schedule.

- 1 2. Coordinate the pre-installation configuration of any A/V equipment so as not to delay the installation or
2 project schedule.
3

4 **1.4. SUBMITTALS**

- 5 A. The Contractor shall not be required to provide submittals for equipment being provided by the Owner but shall
6 provide submittals for ancillary equipment as needed under this specification or other Division 27 specifications.
7 B. The Contractor shall provide submittals of the following:
8 1. All applicable certifications and licenses of the Contractor and the Contractor's installation team.
9 Applicable certifications and licenses shall be current from the start of the contract through the end of
10 the warranty period.
11 2. One (1) submittal for all ancillary A/V and A/V Contractor provided equipment required for a complete
12 A/V installation as follows:
13 a. Product information sheets and shop drawings indicating each type/size/model of A/V accessory
14 required for a complete A/V installation. Information sheets shall include the following
15 information:
16 i. Performance data for the item
17 ii. Plan identification number(s) where applicable
18 iii. Quantity required for each model
19

20 **1.5. WARRANTY**

- 21 A. The Contractor shall warrant for one year the complete installation of equipment and components associated
22 with this contract and installation. Contractors warranty shall be in the form of a written letter on company
23 letterhead referring to the contract information, dates of installation and acceptance, signed by an authorized
24 representative of the Contractors Company.
25 1. The Contractors warranty shall include but not be limited to the following:
26 a. Transportation to and from the location as often as needed during the warranty period.
27 b. All labor and materials necessary to properly and thoroughly trouble shoot the system.
28 c. All fees associated with the shipping of any component that needs to be returned or supplied by
29 the manufacturer for repair or replacement.
30 d. All labor and materials required to remove, repair, replace, or re-install of any component.
31 B. The Contractor shall also provide all manufacturers warranties/guarantees associated with installed components
32 of the completed installation.
33

34 **PART 2 - PRODUCTS**

35
36 **2.1. PRODUCTS FURNISHED BY OWNER**

- 37 A. The following products shall be furnished by the owner under this specification.
38 1. Wall monitors as indicated in the plans and specifications (see section 2.3 below).
39 2. IPTV cable boxes
40

41 **2.2. PRODUCTS FURNISHED BY CONTRACTOR**

- 42 A. The Contractor shall furnish all material and equipment required for a complete A/V installation per the plans
43 and specifications except where indicated as furnished by Owner.
44 B. All products, materials and equipment furnished by the contractor shall be new and meet all applicable codes.
45 C. The Contractor shall provide the following equipment as noted within this specification:
46 1. All monitor wall mounts
47 2. Press Box
48

49 **2.3. WALL MONITORS**

- 50 A. New wall monitors furnished by Owner shall be of like kind and quality to the monitors listed in the Technology
51 Equipment Schedule on sheet T-601 of the plan set.
52 B. Existing wall monitors furnished by the Owner shall be similar in quality to those listed in the Technology
53 Equipment Schedule on sheet T-601 of the plan set.
54 C. Monitor sizes, quantities, and room locations shall be as listed in the Monitor Schedule on sheet T-501 of the
55 plan set.
56 1. Sizes shall include 30", 39", 42", 60", and 80" monitors.
57

1 **2.4. WALL MOUNTS (MONITOR)**

- 2 A. The Contractor shall provide wall mount brackets for all wall monitor installations noted in the construction
3 documents.
4 B. Wall mount brackets shall be appropriately sized to support the monitor sizes described in the construction
5 documents.
6 C. Each monitor in ganged monitor applications shall have its own mounting bracket, shared brackets will not be
7 allowed. All mounting brackets in ganged monitor applications shall be similar models by the same
8 manufacturer.
9 D. Wall mount brackets for monitors shall meet the following requirements regardless of size:
10 1. Black powder coat finish
11 2. Minimum vertical tilt +15/-5 degrees
12 3. Thin profile to minimize wall clearance when installation is complete
13 4. The following list of locations shall have fully articulating arms with a minimum 18" horizontal extension
14 to provide a wide range of motion and/or to facilitate the removal of the monitor without having to
15 remove adjacent monitors.
16 a. Parkinson Hall
17 b. Office spaces
18 c. Conference and Breakout Rooms
19 d. Fitness Rooms
20 e. Dining Room
21 f. Training Room
22 g. Dayroom
23 5. The following list of locations shall have vertical tilt only.
24 a. Sleeping Quarters
25 b. Kitchenette
26 c. Break Room
27 6. Models as manufactured by:
28 a. Peerless-AV
29 b. Chief Manufacturing
30 c. Omnimount
31 d. Premier Mounts
32 e. Video Mount Products
33 f. No other substitutions will be allowed
34

35 **2.5. IP CABLE BOX**

- 36 A. IP Cable Boxes shall be provided by the Owner and installed by the Contractor. This section is being provided as
37 informational only. The Contractor shall be responsible for providing/installing the input to the cable box and
38 the output to the monitor.
39 1. Amino Communications, Aminet A140, cable box (with no DVR)
40 a. Input = Ethernet 10/100 BaseT via RJ-45 shielded connector
41 b. Output = HDMI 1.3A with HDCP
42 c. Power = 120V
43 d. Decodes up to 720p and 1080i; displays up to 1080p
44 e. HD graphics up to 1280x720
45 2. Amino Communications, Aminet A540, cable box (with DVR)
46 a. Input = Ethernet 10/100 BaseT via RJ-45 shielded connector
47 b. Output = HDMI 1.3A with HDCP
48 c. Power = 120V
49 d. Decodes up to 720p and 1080i; displays up to 1080p
50 e. HD graphics up to 1280x720
51 B. The Owner shall designate which model is required at each location.
52

53 **2.6. PRESS BOX**

- 54 A. Provide and install one (1) portable press feed distribution box.
55 1. PressPower2 as manufactured by U.S.Audio, WhirlwindUSA
56 a. Substitutions shall not be allowed
57

1 **PART 3 - EXECUTION**

2
3 **3.1. CONTRACTOR COORDINATION**

- 4 A. The Contractor shall coordinate with the General Contractor (GC) and all other trade contractors as needed for
5 the installation of the A/V Accessories. Coordination shall include a pre-installation meeting during rough-in to
6 ensure blocking, power outlets, and data outlets are properly located.
7 B. The Contractor shall review all plans and specifications indicating wall and position requirements for accessory
8 A/V equipment and install all required equipment accordingly.
9 1. The Contractor shall coordinate all connection and installation requirements with other trade contractors
10 doing Division 27 Work.

11
12 **3.2. GENERAL INSTALLATION REQUIREMENTS**

- 13 A. Cables/cords shall be properly plugged in. Excess cable/cord shall be neatly looped and bundled using Velcro
14 cable ties. Zip ties, wire ties, and other rigid, semi-permanent restraints will not be allowed.
15 1. Excess cables/cords shall not be visible after the installation is complete.
16 a. Example: Cables/cords behind wall monitors shall be neatly bundled behind the monitor and
17 fastened to the monitor wall mount so as not to be visible from the front of the monitor.
18 B. Equipment mounts shall be properly sized for the equipment being supported. Fasteners shall be of sufficient
19 strength to support the finished installation including required equipment.
20 1. Fasteners shall be firmly attached to blocking where provided.
21 2. Fasteners in solid materials such as concrete, brick, etc shall use appropriate sleeves and anchors for the
22 material, weight being supported, and fastener being used.
23 3. All drop ceiling mount locations shall have tile bridge supports.
24 C. Final testing of A/V components shall be performed only after all A/V equipment and components within
25 Division 27 have been completely installed to ensure all components have been properly integrated with each
26 other as needed.
27

28 **3.2. EQUIPMENT INSTALLATION, TESTING, AND ACCEPTANCE**

- 29 A. Any required system programming (by CoM-IT or Contractor) shall be completed prior to doing any installation
30 testing and acceptance.
31 B. It is the sole responsibility of the Contractor to notify CoM-IT no less than two (2) weeks in advance of
32 completing the installation to coordinate all final testing of the completed system.
33 C. Wall Mounts:
34 1. Wall mounts shall be securely fastened to the wall and blocking per the manufacturer's supplied
35 instructions and mounting hardware. Wall mounts shall be located horizontally and vertically on the
36 designated wall as indicated in plans and details for each room receiving monitors.
37 2. Monitors shall be securely installed on the wall mount.
38 3. The mounting bracket shall be tested with the completed monitor and cable/cords properly installed.
39 The completed installation and successful testing of the mounting bracket installation shall provide the
40 following:
41 a. All cords/cables are properly plugged in, excessive cable is bundled but not stretched tight,
42 cords/cables are not pinched or impede the mounting brackets range of motion.
43 b. Full range of motion in all directions as per the specifications above.
44 D. Monitor testing shall be part of the overall Division 27 installation of all A/V equipment and requirements. This
45 shall include but not be limited to the following:
46 1. Remote control is fully functional at each monitor location
47 a. A single remote is used and properly programmed to control monitors, IPTV cable boxes and
48 other devices as needed.
49 i. Controls on/off/volume and other related functions as a TV with an IP Cable Box.
50 ii. Controls various input modes as a monitor as described in other Division 27 specifications.
51 iii. Works with other video/audio feeds as described in other Division 27 specifications.
52 2. Monitor (each location) functions in all modes and inputs as designated in the contract documents.
53 a. Test with Polycom system
54 b. Test with portable devices (laptop, etc)
55 E. The IP Cable Box shall be tested at each location installed. Testing shall include verifying all intended functions
56 perform as expected including the DVR options on models with DVR capabilities. Troubleshoot and re-test as
57 necessary. Contact Owners Representative if a bad unit is suspected for immediate replacement.

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- F. The portable Press Box shall be functionally tested per manufacturer's recommendations at each designated connection location.
- G. A completed and accepted installation shall pass all of the above tests for each location where equipment will be installed.
- H. The warranty period for the completed and accepted installation shall not begin until the date of the accepted general contract. The Contractor shall coordinate this date with the General Contractor.

END OF SECTION

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SECTION 10 51 00 – LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Metal lockers.
- B. ~~Locker room benches.~~

1.2 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking and nailers.

1.3 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2011.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's published data on locker construction, sizes and accessories.
- B. Shop Drawings: Indicate locker plan layout, numbering plan.

1.5 QUALITY ASSURANCE

- A. Regulatory Requirements: A minimum of 5% of the Wardrobe Lockers in each room shall comply with accessibility requirements – comply with 2010 edition of “Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG).”
 1. Provide not less than one shelf located no higher than 48 inches above floor for forward reach and 54 inches above floor for side reach.
 2. Provide one shelf located at bottom of locker no lower than 15 inches above floor for forward reach.
 3. Provide hardware that does not require tight grasping, pinching or twisting of the wrist and that operates with a force of not more than 5 lbf. Only recessed handles shall comply.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Lockers: ~~see schedule at the end of this section.~~
 1. Art Metal Products: www.artmetalproducts.com.
 2. Lyon Workspace Products: www.lyonworkspace.com.
 3. Penco Products, Inc: www.pencoproducts.com.
 4. Republic Storage Systems Co: www.republicstorage.com.

5. DeBourgh: www.debourgh.com
6. Substitutions: See Section 01 60 00 - Product Requirements.

B. Locker room benches:

1. *Global Industries: www.globalindustries.com*
2. *Penco Products, Inc.: www.pencoproducts.com*

2.2 LOCKER APPLICATIONS

- A. Wardrobe Lockers: Multiple tier configuration (as indicated on Drawings) metal lockers, free-standing with matching closed base.
1. Location: Locker room in Administration offices.
 2. Width: 12 inches.
 3. Depth: 18 inches.
 4. Height: 72 inches.
 5. Fittings: Hat shelf, 2 coat hooks.
 6. Locking: Padlock hasps, for padlocks provided by Owner.
 7. Provide sloped top.
- B. Heavy Duty Storage Lockers: Single tier configuration (as indicated on Drawings) metal lockers, free-standing with matching closed base.
1. Location: Work Room in Station #1.
 2. Width: 24 inches.
 3. Depth: 24 inches.
 4. Height: 72 inches.
 5. Locking: Padlock hasps, for padlocks provided by Owner.

2.3 METAL LOCKERS

- A. Lockers: Factory assembled, made of formed sheet steel, ASTM A653/A653M SS Grade 33/230, with G60/Z180 coating, stretcher leveled; metal edges finished smooth without burrs; baked enamel finished inside and out.
1. Where ends or sides are exposed, provide flush panel closures.
 2. Provide filler strips where indicated, securely attached to lockers.
 3. Color: To be selected by Architect from manufacturer's standard range.
- B. Locker Body (Wardrobe): Formed and flanged; with steel stiffener ribs; electric spot welded.
1. Body and Shelves: 24 gage, 0.024 inch.
 2. Base: 20 gage, 0.036 inch.
 3. Metal Base Height: 4 inch.
- C. Locker Body (Storage): Formed and flanged; with steel stiffener ribs; electric spot welded.
1. Body and Shelves: 0.060 inch.
 2. Base: 0.060 inch.
 3. Metal Base Height: 4 inch.
- D. Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.
1. Door Frame: 16 gage, 0.060 inch, minimum.

- E. Doors: Hollow double pan, sandwich construction, 1-3/16 inch thick; welded construction, channel reinforced top and bottom with intermediate stiffener ribs, grind and finish edges smooth.
 - 1. Door Outer Face: 18 gage, 0.048 inch, minimum.
 - 2. Door Inner Face: 20 gage, 0.036 inch, minimum.
 - 3. Form recess for operating handle and locking device.
 - 4. Provide louvers in door face, top and bottom, for ventilation.
- F. Hinges: Two for doors under 42 inches high; three for doors over 42 inches high; weld securely to locker body and door.
 - 1. Hinge Thickness: 14 gage, 0.075 inch.
- G. Sloped Top: 20 gage, 0.036 inch, with closed ends.
- H. Coat Hooks: Stainless steel or zinc-plated steel.
- I. Identification Plates: Manufacturer's standard, etched, embossed, or stamped aluminum plates, with numbers and letters at least 3/8 inch high.

2.4 LOCKER ROOM BENCHES

A. *Locker Room Changing Benches. Stationary type; bench top of laminated maple, painted steel pedestals.*

- 1. *Height: 18"*
- 2. *Length: 42"*
- 3. *Depth: 20"*

B. *Pedestals shall permit the bench to be free-standing without anchoring to floor and shall allow the bench to be located tight to wall.*

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that prepared bases are in correct position and configuration.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install lockers plumb and square.
- C. Place and secure on prepared base.
- D. Bolt adjoining locker units together to provide rigid installation.
- E. Install end panels, filler panels, and sloped tops.
- F. Install accessories.
- G. Anchor bench pedestals to floor using concealed fasteners as recommended by manufacturer.
- H. Replace components that do not operate smoothly.

Fire Station Administration Office Building and Fire Station No. 1
(Hovde Properties Tenant Improvements)
Contract No. 6891

3.3 CLEANING

A. Clean locker interiors and exterior surfaces.

1 - Addendum #1

END OF SECTION

SECTION 01 25 13
PRODUCT SUBSTITUTION PROCEDURES

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PART 1 – GENERAL

1.1. SUMMARY

- A. The City of Madison uses a specific list of preferred products for various specification items to establish standards of quality, utility, and appearance required.
- B. The City of Madison will not allow substitutions for specified Products except as follows:
 - 1. The Product is no longer produced or the product manufacturer is no longer in business.
 - 2. The manufacturer has significantly changed performance data, product dimensions, or other such design criteria for the specified Product(s).
 - 3. Products specified by naming one or more Products or manufacturer's and "or approved equal" or "approved equivalent."
- C. The City of Madison will not allow substitutions for specified Products as follows:
 - 1. For Products specified by naming only one Product and manufacturer, no substitute product will be considered.
 - 2. For Products specified by naming several Products or manufacturers select any one of the products or manufacturers named, which complies with the specifications. No substitute product will be considered.
- D. Request for substitutions from any party other than the General Contractor (GC) will not be accepted.

1.2. RELATED SPECIFICATIONS

- A. Section 01 26 13 Request for Information (RFI)
- B. Section 01 31 23 Project Management Web Site
- C. Section 01 33 23 Submittals

PART 2 – PRODUCTS

2.1. SUBSTITUTION REQUEST FORM

- A. During bidding all contractors (General and Sub-contractors) and suppliers of materials or products shall provide hard copy of the Substitution Request form and all required attachments directly to the Project Architect. Submission shall use the form located at the end of this specification.
 - 1. Contractors and suppliers shall use the screen shot of the form located at the end of this specification to print a hard copy for all pre-bid substitution requests.
- B. After bidding only the GC shall submit a request and shall use the form located on the Project Management Web Site.

PART 3 - EXECUTION

3.1. REQUESTING A SUBSTITUTION DURING BIDDING

- A. In the event that a substitution is requested during the bidding phase the Contractor or Supplier shall meet the substitution request deadline listed in the bidding documents. No substitution request will be considered during the bidding period after the stated substitution request deadline. In general this procedure shall be as follows:
 - 1. Submit the Substitution Request Form including all required supporting documentation to the City Project Manager and Project Architect by the substitution request deadline specified in Section A of the Contract Documents. Utilize the Substitution Request Form found at the end of this Section.
 - 2. Submit a Substitution Request Form for each product, supported with complete data, drawings and samples as appropriate, including:

- 1 i. Comparison of qualities of the proposed substitutions with that specified.
2 ii. Changes required in other elements of the Work because of the substitution.
3 iii. Effect on the construction schedule.
4 iv. Cost data comparing the proposed substitution with the Product specified.
5 v. Any required license fees or royalties.
6 vi. Availability of maintenance service and source of replacement materials.
7 3. The Owner and Architect will review the Substitution Request Form and if approved the City of Madison
8 will publish a bidding addendum authorizing the replacement. The Owner and Architect may reject any
9 substitution request without providing specific reasons.
10 B. Substitutions submitted and approved during the bidding phase shall be announced by the City of Madison by
11 addenda prior to the bid due date.
12

13 **3.2. REQUESTING A SUBSTITUTION AFTER AWARD OF CONTRACT**

- 14 A. A substitution request will only be considered after award of contract if it meets the qualifying provisions as
15 described in 1.1.B.1 and .2 above.
16 B. The GC shall submit a substitution request using the digital form on the Project Management Web Site located in
17 the Construction Administration-Substitution Request library.
18 1. Click on *Add document* to open a new digital form, fill out form, provide all required attachments, then
19 click the Submit button.
20 2. Consulting Staff, Owner and Owners Representatives will review the request and provide the appropriate
21 approvals and feed back to the GC.
22

23 **3.3. UNAUTHORIZED SUBSTITUTIONS**

- 24 A. Any Contractor who substitutes products without proper authorization by the Owner and Architect will be
25 required to immediately remove and replace the product and all costs required to conform to the Contract
26 Documents shall be borne by the General Prime Contractor.
27
28
29

30 **END OF SECTION**
31



Substitution Request

Today's Date:

Project Title:

Project Number:

Contract Number:

Description	Spec Section	Page	Paragraph
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

The undersigned requests consideration of the following:

Proposed Substitution:

Attachments

Insert item

- Attached data includes product description, specifications, drawings, photographs, performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
- Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The undersigned General Contractor representative certifies that the following paragraphs are correct.

1. The function, appearance, and quality of the proposed substitution are equal or superior to the specified item.
2. The proposed substitution does not affect dimensions shown on drawings.
3. The undersigned will pay for changes to the building design, including engineering design, detailing, and construction costs caused by the request.
4. The proposed substitution will have no adverse affect on other trades, the construction schedule, or specified warranty requirements.
5. Maintenance and service parts will be locally available for the proposed substitution. Provide supporting documentation.

Submitted By:

**** By typing my name and entering the date I hereby give my electronic signature ****

Name: Title: Date:

Firm: Address:

Phone:

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SECTION 10 14 00 - SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. This Section includes the following:
 - 1. Interior room identification signage.
 - 2. Interior Madison Fire Department lobby identification sign.
 - 3. Exterior Fire Station identification sign.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show fabrication and installation details for signs.
 - 1. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
 - 2. Provide message list, typestyles, graphic elements, including tactile characters and Braille, and layout for each sign.
- C. Samples: For each sign type and for each color and texture required.

PART 2 - PRODUCTS

2.1 INTERIOR SIGNS

- A. *Manufacturers: Interior signage is based on Inpro Boston Collection.*
 - 1. *Sizes, colors and graphics shall be provided as indicated on Drawings.*
- B. *Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:*
 - 1. *SignElements, Greenville, WI*
 - 2. *Grant Signs, McFarland, WI*
 - 3. *Poblocki Sign Systems, West Allis, WI*
 - 4. *Ryan Signs, Madison, WI*
 - 5. *Creative Sign Co., De Pere, WI*
- C. *Product: Two color acrylic with continuous accent bar.*
 - 1. *Material: Face Panel: Photopolymer*
 - 2. *Lettering: Raised lettering and Braille*
 - 3. *Corners: Square*
 - 4. *Window Back Plate: Black*

5. ~~Mounting: Adhesive mounting strips~~
6. ~~Text and Location: Provided by the City of Madison during the sign submittal phase.~~

- D. Product: Backlit multi-color acrylic Fire Department identification sign ~~(at main lobby, ground floor).~~
1. Provide sign and mounting standoffs for lobby sign as detailed on the drawings.
 2. Light fixture for sign is scheduled in the electrical drawings.

2.2 EXTERIOR SIGNS

- A. Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. SignElements, Greenville, WI
 2. Grant Signs, McFarland, WI
 3. Poblocki Sign Systems, West Allis, WI
 4. Ryan Signs, Madison, WI
 5. ~~Creative Sign Co., De Pere, WI~~
- B. Product: Backlit curved aluminum Fire Station identification sign.
1. Provide sign and mounting standoffs for building sign as detailed on the drawings.
 2. Light fixture for sign shall be provided by this Section.

PART 3 - EXECUTION

3.1 INSTALLATION – INTERIOR SIGNS

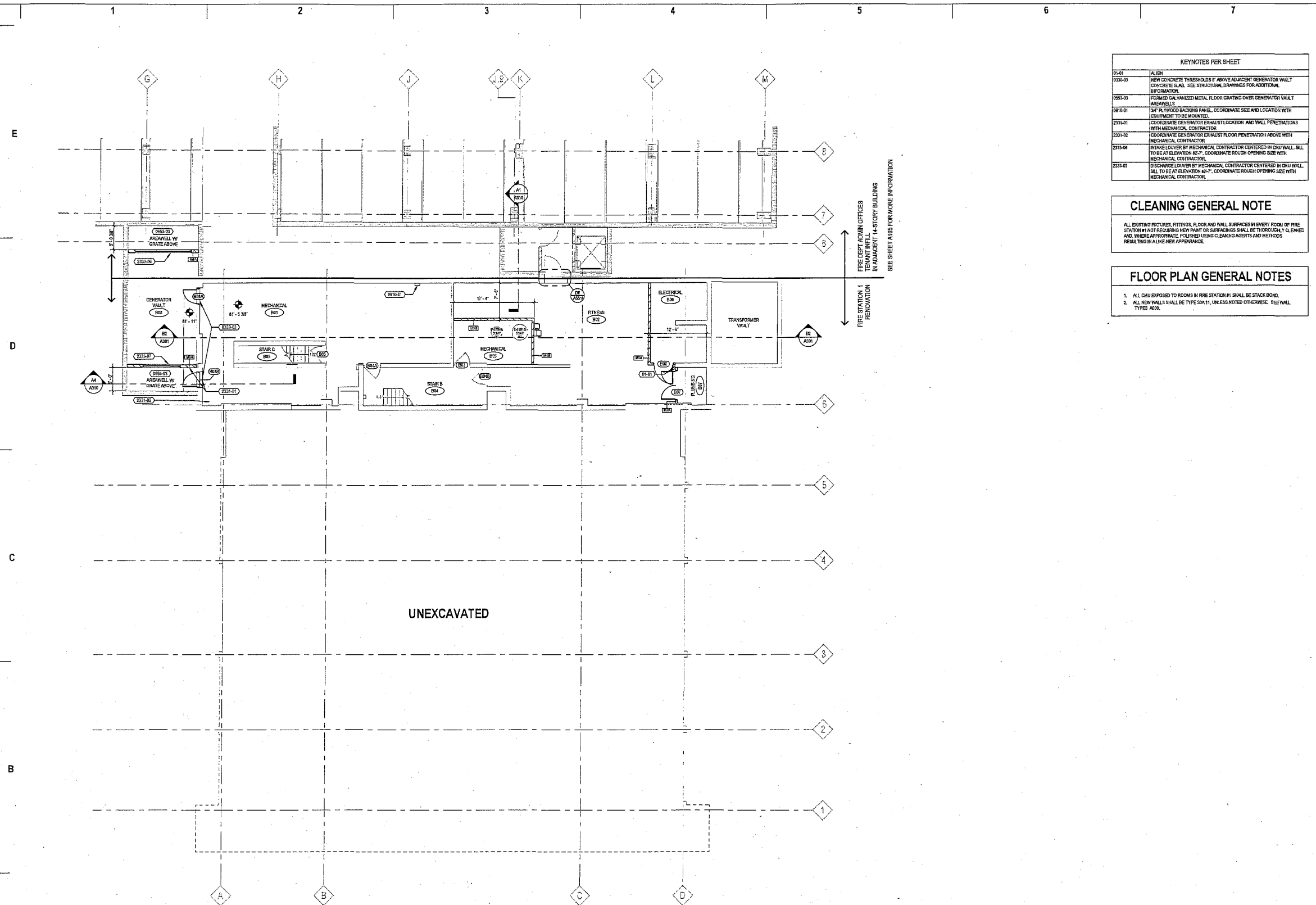
- A. Window mount for most applications.
- B. Position room signs on strike side of door. Mounting height for interior signage shall be 60 inches above finished floor to the centerline of the sign.
- C. Clean and polish.

3.2 INSTALLATION – EXTERIOR SIGNS

- A. Coordinate with electrical contractor for required power supply and lighting controls.
- B. See exterior building elevation for specific location of sign
- C. Clean and polish.

END OF SECTION

~~I - Addendum #1~~



KEYNOTES PER SHEET	
01-01	ALIGN
02-01	NEW CONCRETE THRESHOLDS 6" ABOVE ADJACENT ELEVATOR VAULT CONCRETE SLAB. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
03-01	FORMED GALVANIZED METAL FLOOR GRATING OVER GENERATOR VAULT MECH ROOMS.
04-01	3/4" PLYWOOD BACKING PANEL, COORDINATE SIZE AND LOCATION WITH EQUIPMENT TO BE MOUNTED.
05-01	COORDINATE GENERATOR EXHAUST LOCATION AND WALL PENETRATIONS WITH MECHANICAL CONTRACTOR.
06-01	COORDINATE GENERATOR DOWNCAST FLOOR PENETRATION ABOVE WITH MECHANICAL CONTRACTOR.
07-01	INTAKE LOUVER BY MECHANICAL CONTRACTOR CENTERED IN CMU WALL. SILL TO BE AT ELEVATION 4'-0". COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.
08-01	DISCHARGE LOUVER BY MECHANICAL CONTRACTOR CENTERED IN CMU WALL. SILL TO BE AT ELEVATION 4'-0". COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.

CLEANING GENERAL NOTE

ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING NEW PAINT OR SURFACING SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES

- ALL CMU EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STACK BORED.
- ALL NEW WALLS SHALL BE TYPE SBA 11, UNLESS NOTED OTHERWISE. SEE WALL TYPES A00.



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PROJECT INFORMATION

Fire Station
 Administration Office
 Building and Fire
 Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

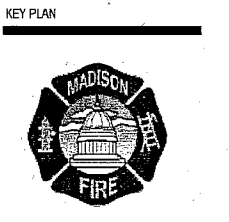
316 West Dayton St.
 Madison, WI 53703

ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION

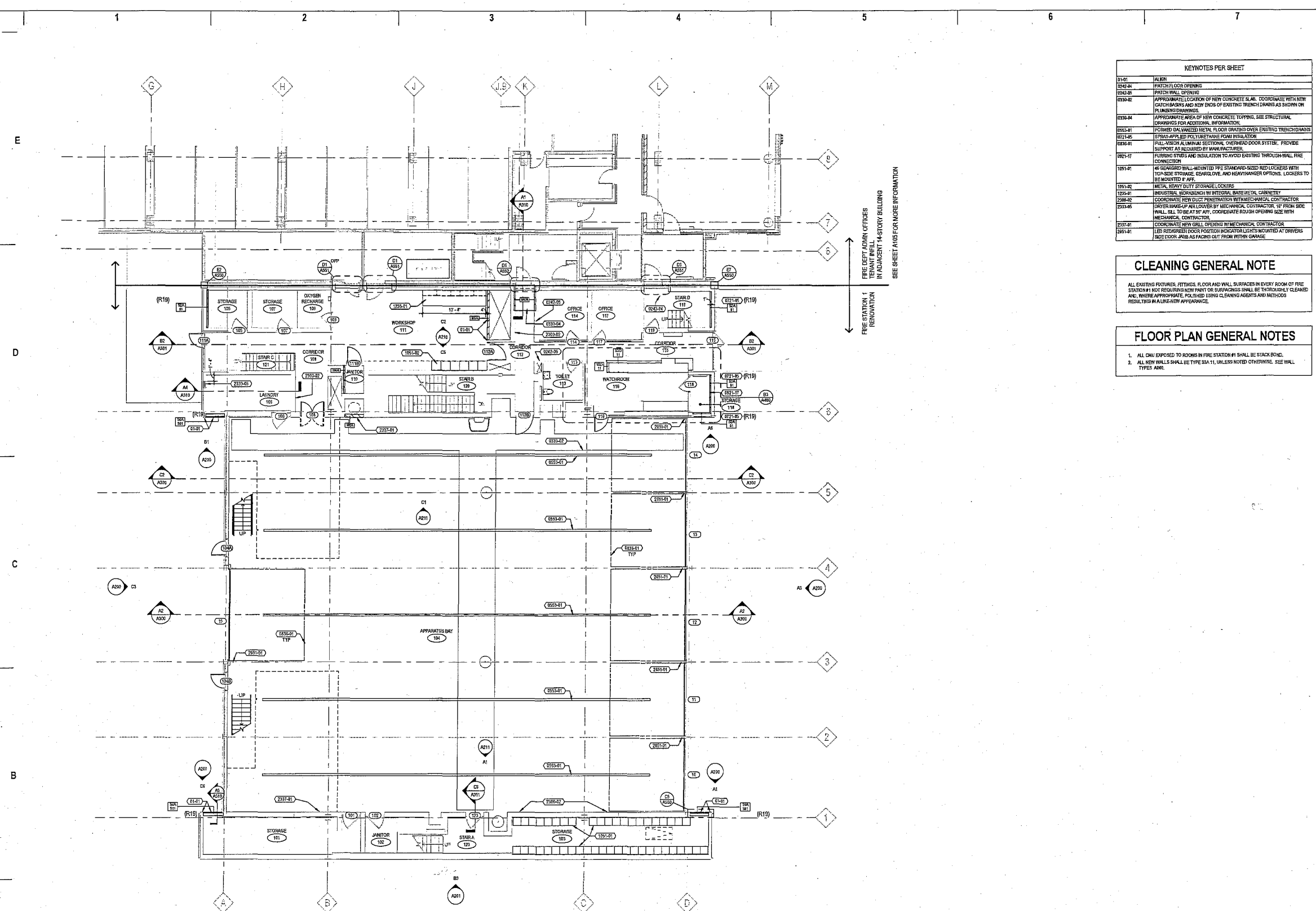


SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

**FIRE STATION 1
 BASEMENT FLOOR
 PLAN**

A100



A2 STATION 1 FIRST FLOOR PLAN
1/8" = 1'-0"

KEYNOTES PER SHEET	
01-01	ALIGN
02-04	PATCH FLOOR OPENING
02-05	PATCH WALL OPENING
02-07	APPROXIMATE LOCATION OF NEW CONCRETE SLAB. COORDINATE WITH NEW CATCH BASINS AND NEW ENDS OF EXISTING TRENCH DRAINS AS SHOWN ON PLUMBING DRAWINGS.
02-08-04	APPROXIMATE AREA OF NEW CONCRETE TOPPING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
02-08-01	FORMED GALVANIZED METAL FLOOR BRACING OVER EXISTING TRENCHWAYS
02-12-05	SPRAY-APPLIED POLYURETHANE FOAM INSULATION
02-16-01	FULL-MESH ALUMINUM SECTIONAL OVERHEAD DOOR SYSTEM. PROVIDE SUPPORT AS REQUIRED BY MANUFACTURER.
02-17-01	FURRING STUDS AND INSULATION TO AVOID EXISTING THROUGH-WALL FIRE CONNECTION
10-1-01	46 BOUNDARY WALL-MOUNTED PIPE STANCHION-NEED NED LOADERS WITH TOP-SIDE STORAGE. CONSOLE, AND HEAVY-DUTY OPTIONS. LOADERS TO BE MOUNTED P. AFF.
10-1-02	METAL HEAVY DUTY STORAGE COCKERS
12-2-01	INDUSTRIAL WORKBENCH BY INTEGRAL BARE METAL CABINETS
23-0-02	COORDINATE NEW DUCT PENETRATION WITH MECHANICAL CONTRACTOR
23-1-05	WATER MAIN/PAV. COVER BY MECHANICAL CONTRACTOR. IF FROM SIDE WALL, SL. TO BE AT 8% P.F. COORDINATE HOLES ON OPENING SIZE WITH MECHANICAL CONTRACTOR.
23-2-01	COORDINATE NEW GRILL OPENINGS WITH MECHANICAL CONTRACTOR
23-3-01	LED REMOTE-BLIND POSITION INDICATOR LIGHTS MOUNTED AT DRIVERS SIDE DOOR. JMB AS FACING OUT FROM WITHIN GARAGE

CLEANING GENERAL NOTE
ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING NEW PAINT OR SUBSTRACES SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES
1. ALL CHM EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STACK BOND.
2. ALL NEW WALLS SHALL BE TYPE SIA 11, UNLESS NOTED OTHERWISE. SEE WALL TYPES A01.

FIRE DEPT ADMIN OFFICES
TENANT W/ELL
IN ADJACENT 14-STORY BUILDING
SEE SHEET A105 FOR MORE INFORMATION



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PROJECT INFORMATION
Fire Station
Administration Office
Building and Fire
Station No. 1
(Hovde Properties
Tenant Improvements)
Contract No. 6891

316 West Dayton St.
Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



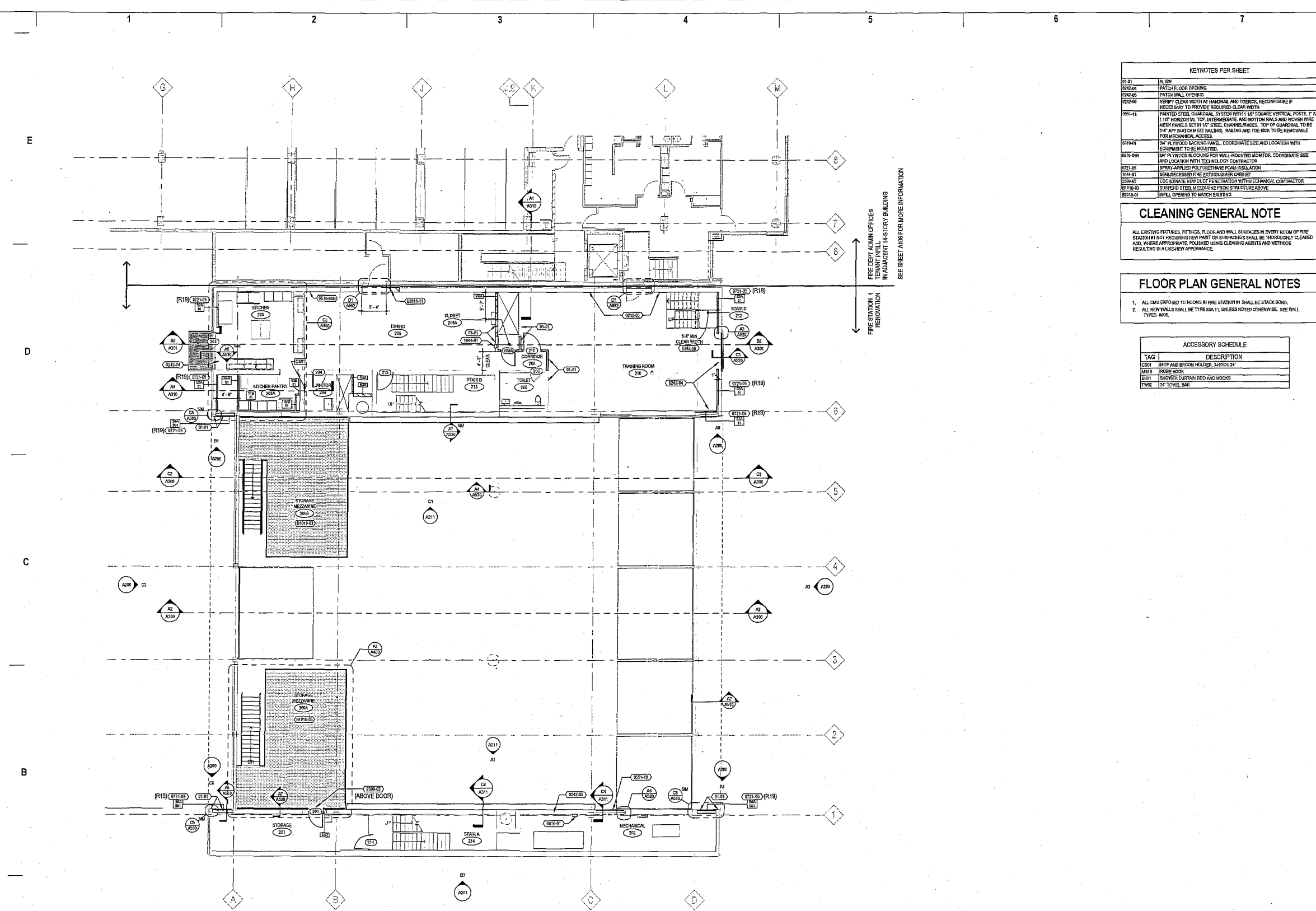
SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/08/2015

**FIRE STATION 1
FIRST FLOOR PLAN**

A101

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A2 STATION 1 SECOND FLOOR PLAN
1/8" = 1'-0"

KEYNOTES PER SHEET

01-01	ALIGN
02-04	PATCH FLOOR OPENING
02-05	PATCH WALL OPENING
02-06	VERIFY CLEAR WIDTH AT HANDRAIL AND TOEICK, RECONFIGURE IF NECESSARY TO PROVIDE REQUIRED CLEAR WIDTH
02-14	PAINTED STEEL GUARDRAIL SYSTEM WITH 1" SQUARE VERTICAL POSTS, 1" 1 1/2" HORIZONTAL TOP, INTERMEDIATE AND BOTTOM RAILS AND WOVEN WIRE MESH PANELS SET IN 1/2" STEEL CHANNELS. TOP OF GUARDRAIL TO BE 3'-0" AFF MATCH MEZZ RAILING. RAILING AND TOEICK TO BE REMOVABLE FOR MECHANICAL ACCESS
07-01	3/4" X 1/4" WOOD BACKING PANEL, COORDINATE SIZE AND LOCATION WITH EQUIPMENT TO BE MOUNTED.
07-06	3/4" X 1/4" WOOD BLOCKING FOR WALL MOUNTED MONITOR, COORDINATE SIZE AND LOCATION WITH TECHNOLOGY CONTRACTOR
07-16	SPRAY APPLIED POLYURETHANE FOAM INSULATION
10-01	SEMI-ACCESSIBLE FIRE EXTINGUISHER CABINET
23-02	COORDINATE NEW EXIST. PENETRATION WITH MECHANICAL CONTRACTOR
01-10-03	SUSPENDED STEEL MEZZANINE FROM STRUCTURE ABOVE
02-10-01	INFILL OPENING TO MATCH EXISTING

CLEANING GENERAL NOTE

ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING REPAIR OR SURFACING SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES

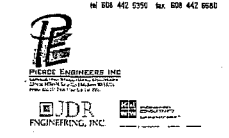
1. ALL CMU EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STAINK BOND.
2. ALL NEW WALLS SHALL BE TYPE SBA 11, UNLESS NOTED OTHERWISE. SEE WALL TYPES A001.

ACCESSORY SCHEDULE

TAG	DESCRIPTION
A201	JMOP AND BROOM HOLDER, 3-HOOK, 24"
A210	ROBE HOOK
E201	SHOWER CURTAIN ROD AND HOOKS
T202	24" TOWEL BAR



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PROJECT INFORMATION

Fire Station
 Administration Office
 Building and Fire
 Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

316 West Dayton St.
 Madison, WI 53703

ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
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SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/03/2015

**FIRE STATION 1
 SECOND FLOOR
 PLAN**

A102

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CLEANING GENERAL NOTE
ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING NEW PAINT OR SURFACES SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN ALIKE NEW APPEARANCE.

PROJECT INFORMATION

Fire Station
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Contract No. 6891

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ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN

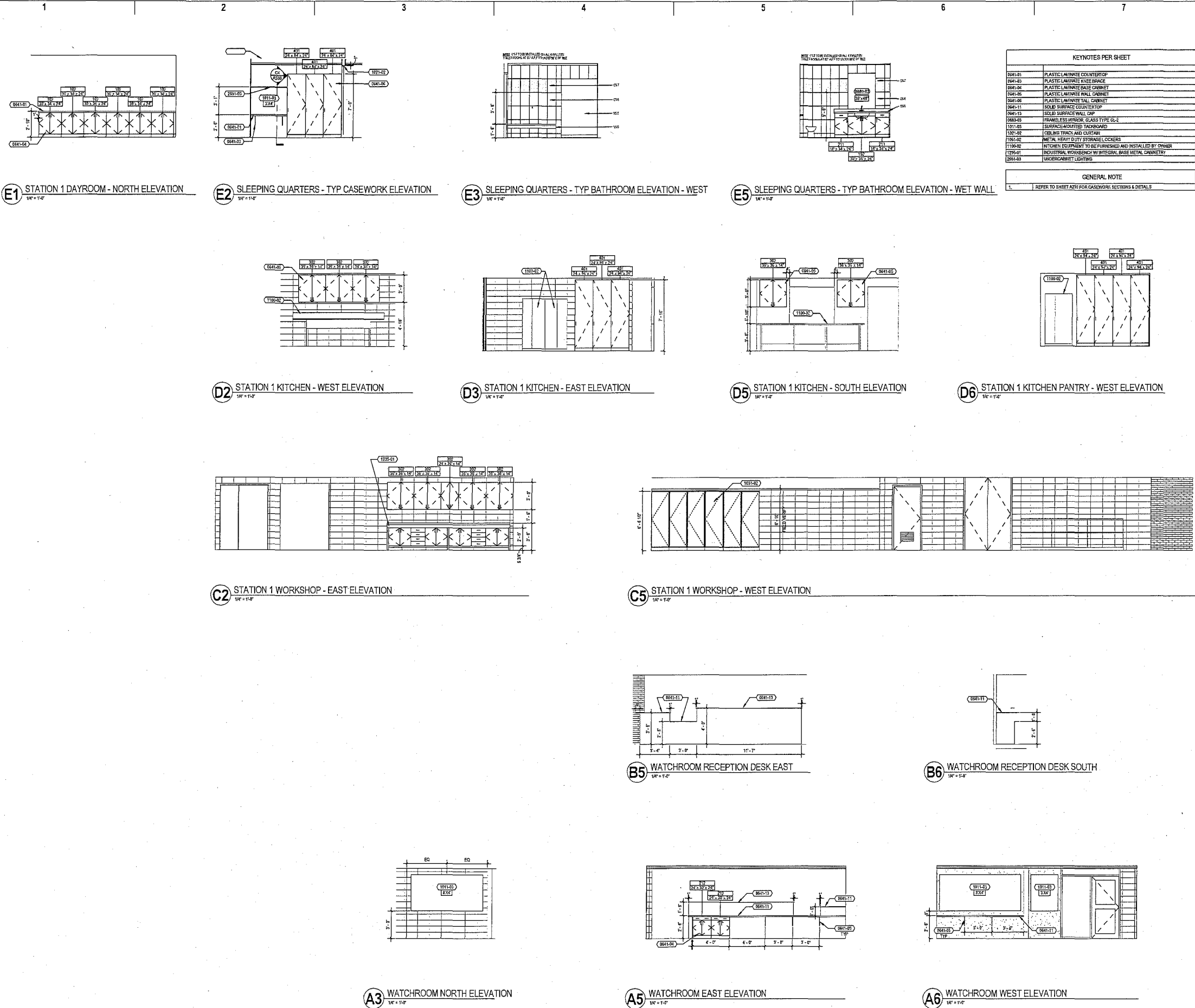


SHEET INFORMATION

PROJECT MANAGER	CG
PROJECT NUMBER	12149
DATE	01/09/2015

FIRE STATION 1
FIRST FLOOR FINISH
PLAN

A121



KEYNOTES PER SHEET

0241-01	PLASTIC LAMINATE COUNTERTOP
0241-02	PLASTIC LAMINATE KNEE BRACE
0241-03	PLASTIC LAMINATE BASE CABINET
0241-04	PLASTIC LAMINATE WALL CABINET
0241-05	PLASTIC LAMINATE TALL CABINET
0241-06	SOLID SURFACE COUNTERTOP
0241-07	SOLID SURFACE WALL CAB
0843-01	FRAMELESS MIRROR GLASS TYPE GLE
1101-01	SURFACE MOUNTED TACKBOARD
1101-02	CORNING TRACK AND CURTAIN
1101-03	METAL HEAVY DUTY STORAGE LOCKERS
1101-04	KITCHEN EQUIPMENT TO BE FURNISHED AND INSTALLED BY OWNER
1201-01	INDUSTRIAL WORKBENCH W/ INTEGRAL BASE METAL CABINETRY
2201-01	UNDERCABINET LIGHTING

GENERAL NOTE

1. REFER TO SHEET A201 FOR CASEWORK, SECTIONS & DETAILS



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PROJECT INFORMATION

Fire Station
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316 West Dayton St.
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ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION

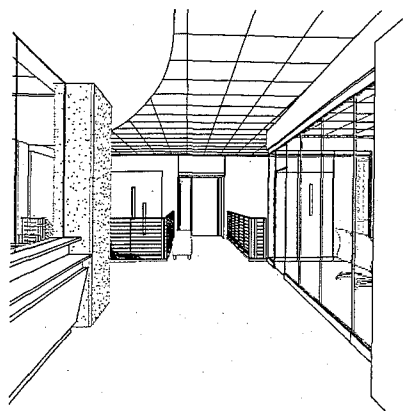


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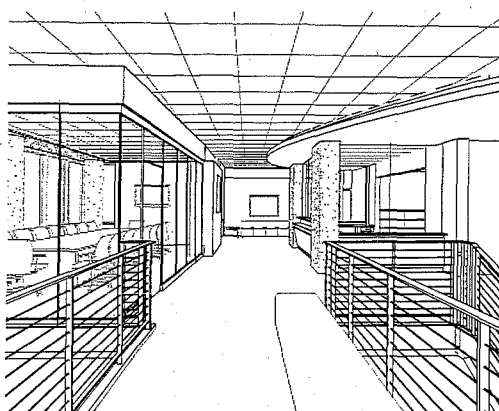
PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

FIRE STATION 1
 INTERIOR
 ELEVATIONS

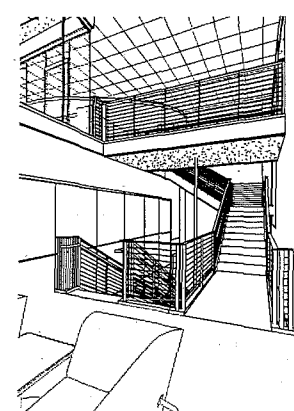
A210



D1 PERSPECTIVE 1 - ADMIN LOBBY 200



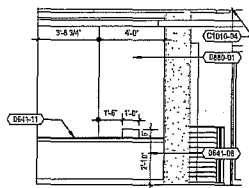
D3 PERSPECTIVE 2 - ADMIN LOBBY 200



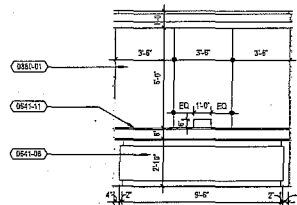
D5 PERSPECTIVE - LANDING M110

KEYNOTES PER SHEET	
0841-01	PLASTIC LAMINATE COUNTERTOP
0841-02	PLASTIC LAMINATE SHELF BRACE
0841-04	PLASTIC LAMINATE BASE CABINET
0841-05	PLASTIC LAMINATE TALL CABINET
0841-06	PLASTIC LAMINATE PANEL
0841-11	SOLID SURFACE COUNTERTOP
0841-12	SOLID SURFACE COUNTERTOP WITH BACKSPLASH
0848-01	1/2" FRAMELESS LAMINATED SECURITY GLAZING
1051-01	METAL PAPERBOWL LOCKERS
C101B-04	CONTINUOUS GYPSUM BOARD LIGHT COVE

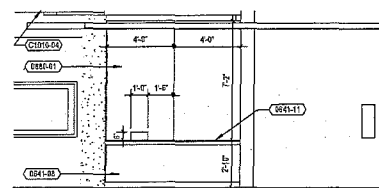
GENERAL NOTE	
1.	REFER TO SHEET A231 FOR CASEWORK, SECTIONS & DETAILS



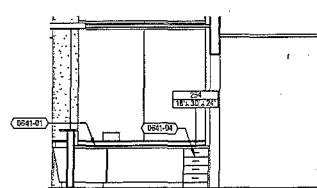
C1 ADMIN LOBBY 200 - EAST ELEVATION
1/4" = 1'-0"



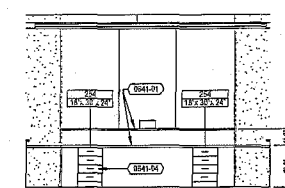
C2 ADMIN LOBBY 200 - NORTH ELEVATION
1/4" = 1'-0"



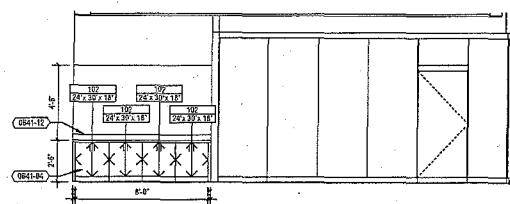
C3 ADMIN RECEPTION - EAST ELEVATION
1/4" = 1'-0"



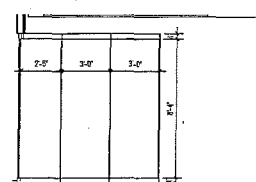
C5 FILES 231 & RECEPTION 232 - SOUTH ELEVATION
1/4" = 1'-0"



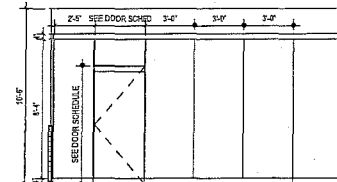
C7 RECEPTION 232 - EAST ELEVATION
1/4" = 1'-0"



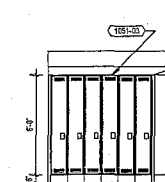
B2 CONFERENCE 201 - NORTH ELEV
1/4" = 1'-0"



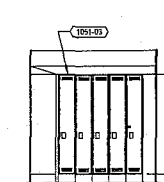
B4 CONFERENCE 201 - EAST ELEV
1/4" = 1'-0"



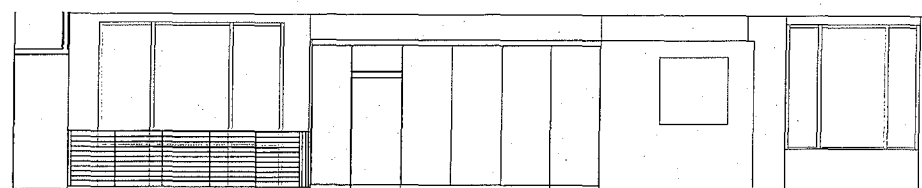
B5 CONFERENCE 201 - NORTH GLASS WALL
1/4" = 1'-0"



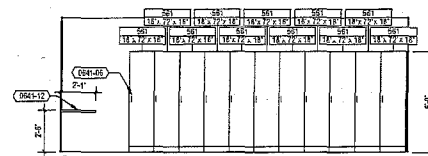
B6 LOCKER ROOM 262B - EAST ELEV
1/4" = 1'-0"



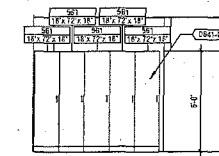
B7 LOCKER ROOM 262B - SOUTH ELEV
1/4" = 1'-0"



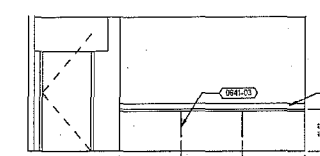
A1 RECEPTION CORRIDOR - SOUTH ELEVATION
3/8" = 1'-0"



A4 CHIEF M108 - NORTH ELEVATION
1/4" = 1'-0"



A5 CHIEF M108 - SOUTH ELEV
1/4" = 1'-0"



A6 CHIEF M108 - WEST ELEVATION
1/4" = 1'-0"



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PROJECT INFORMATION

Fire Station
 Administration Office
 Building and Fire
 Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

316 West Dayton St.
 Madison, WI 53703

ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
---	------	-------------

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

FIRE ADMIN
 INTERIOR
 ELEVATIONS

A232

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KEYNOTES PER SHEET	
0641-01	PLASTIC LAMINATE COUNTERTOP
0641-02	PLASTIC LAMINATE KNEE BRACE
0641-03	PLASTIC LAMINATE BASE CABINET
0641-04	PLASTIC LAMINATE WALL CABINET
0641-05	PLASTIC LAMINATE TALL CABINET
0641-12	SOLID SURFACE COUNTERTOP WITH BACKSPLASH
0643-03	FRAMELESS MIRROR, CLASS TYPE 6L-2
1921-01	TOILET COMPARTMENT

GENERAL NOTE
1. REFER TO SHEET A235 FOR CASEWORK SECTIONS & DETAILS



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PROJECT INFORMATION
Fire Station
Administration Office
Building and Fire
Station No. 1
(Hovde Properties
Tenant Improvements)
Contract No. 6891

316 West Dayton St.
Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS		
#	DATE	DESCRIPTION

KEY PLAN



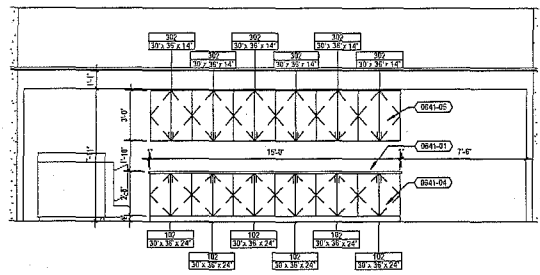
SHEET INFORMATION

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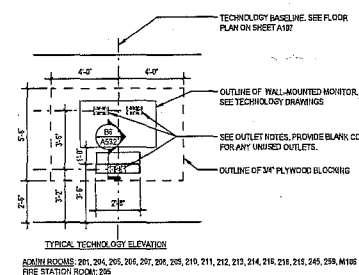
FIRE ADMIN
INTERIOR
ELEVATIONS

A235

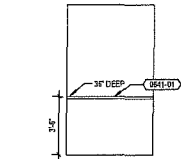
1 2 3 4 5 6 7



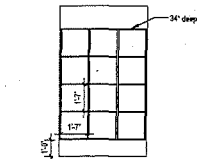
D3 OPEN OFFICE - SOUTH CORRIDOR - NORTH ELEVATION
1/4" = 1'-0"



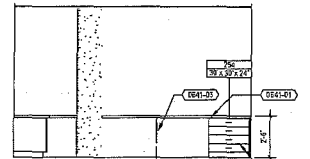
D5 TECHNOLOGY SHELF INTERIOR ELEVATION
1/4" = 1'-0"



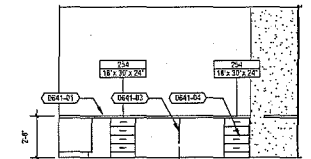
C2 PLAN ROOM - WEST
1/4" = 1'-0"



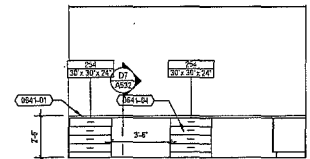
C3 PLAN ROOM - EAST
1/4" = 1'-0"



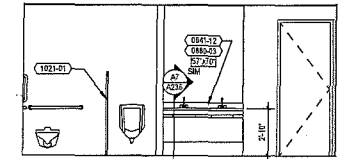
C4 EMS OFFICE 241 - WEST ELEVATION
1/4" = 1'-0"



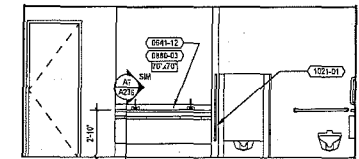
C5 EMS OFFICE 241 - SOUTH ELEVATIONS
1/4" = 1'-0"



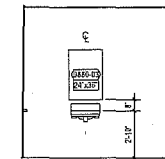
C6 EMS OFFICE 241 - EAST ELEVATIONS
1/4" = 1'-0"



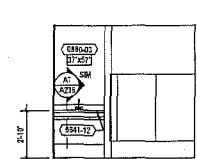
B2 MEN 238 - SOUTH ELEVATION
1/4" = 1'-0"



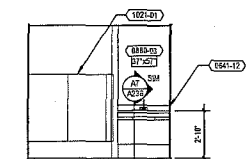
B3 WOMEN 237 - NORTH ELEVATION
1/4" = 1'-0"



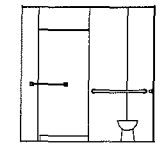
B5 TLT 224 & 225 - NORTH ELEVATION
1/4" = 1'-0"



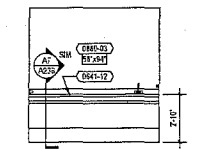
B6 WOMEN 262 - NORTH ELEVATION
1/4" = 1'-0"



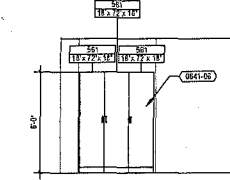
B7 MEN 263 - SOUTH ELEVATION
1/4" = 1'-0"



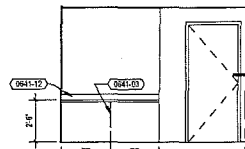
A4 TLT M108B - NORTH ELEV
1/4" = 1'-0"



A5 TLT M108B - SOUTH ELEV
1/4" = 1'-0"



A6 AIDE 107 - NORTH ELEV
1/4" = 1'-0"



A7 AIDE 107 - WEST ELEV
1/4" = 1'-0"

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KEYNOTES PER SHEET	
02-04	PATCH FLOOR OPENING
05-04	W/OP. JAMB WITH 1/4" OR 3/8" STAINLESS STEEL SHEET (4" BRUSH POLISH) FROM WALL BASE TO 4'-0" AFF
06-04	PLASTIC LAMINATE TALL CABINET
09-04	CEMENT BACKER BOARD OR CERAMIC WALL TILE TO BE EXTENDED MINIMUM 1" ABOVE TOP OF EXHAUST HOOD
10-04	CEILING TRACK AND CURTAIN
11-04	KITCHEN EQUIPMENT TO BE FURNISHED AND INSTALLED BY OWNER
12-04	COORDINATE NEW DUCT FEEDS WITH MECHANICAL CONTRACTOR
13-04	COORDINATE FLOOR COVERS FOR NEW CONVECTOR WITH MECHANICAL CONTRACTOR
14-04	EXISTING HOODS TO BE REINSTALLED BY MECHANICAL CONTRACTOR
15-04	LOCATE RECESSED NIGHT LIGHT (PROVIDE CURTAIN TRACK, STOPS)

ACCESSORY SCHEDULE	
TAG	DESCRIPTION
CB01	W/OP AND BROOM HOLDER 2-HOOK, 2"
MS10	ROCKE HOOK
SP01	SHOWER CURTAIN ROD AND HOOKS
TY02	12" TOWEL BAR



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PROJECT INFORMATION
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REVISIONS		
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KEY PLAN



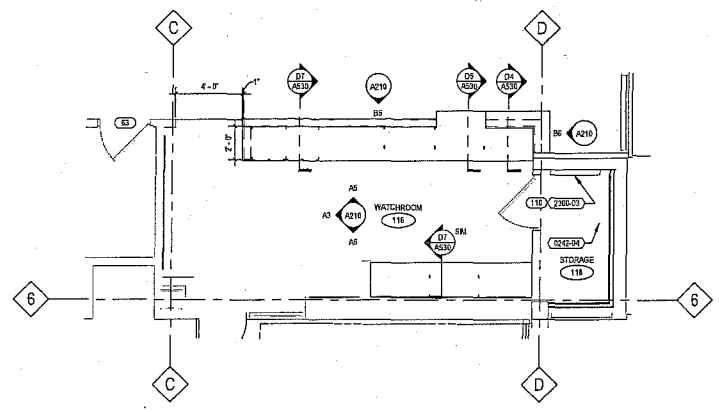
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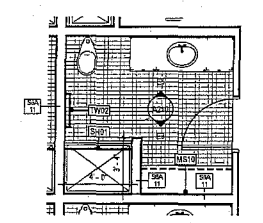
FIRE STATION 1
 ENLARGED FLOOR
 PLANS

A400

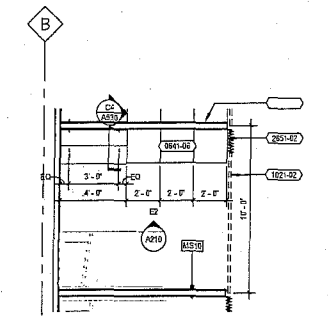
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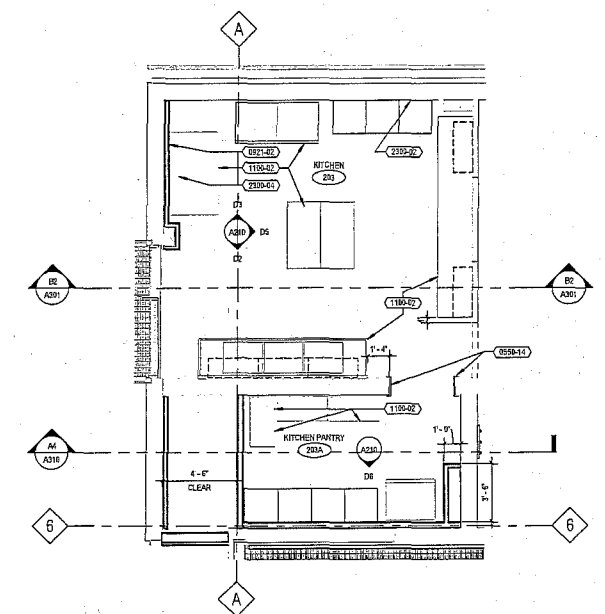
B3 ENLARGED WATCHROOM
 1/4" = 1'-0"



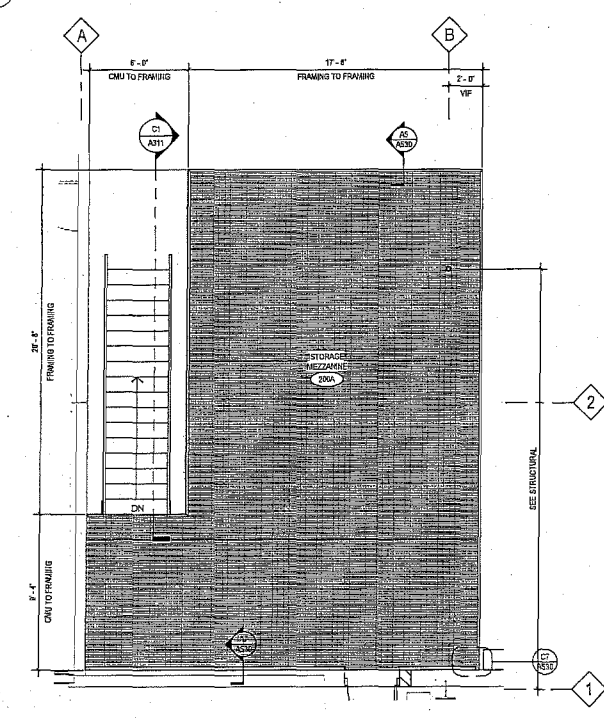
A2 STATION 1 TYPICAL TOILET ROOM @ SLEEPING QUARTERS
 1/4" = 1'-0"



A4 STATION 1 TYPICAL SLEEPING UNIT PLAN
 1/4" = 1'-0"



C6 ENLARGED KITCHEN & PANTRY
 1/4" = 1'-0"



A6 ENLARGED PLAN AT STORAGE MEZZANINE - STATION 1
 1/4" = 1'-0"

NOTE: ALL DIMENSIONS AT STORAGE MEZZANINE 2008 SIMILAR

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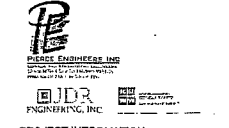
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KEYNOTES PER SHEET	
0615-08b	3/4" PLYWOOD BLOCKING FOR WALL-MOUNTED MONITOR, COORDINATE SIZE AND LOCATION WITH TECHNICIAN CONTRACTOR
0641-29	SOLID SURFACE COUNTER
0645-01	1/2" FRAMELESS LAMINATED SECURITY GLAZING
1011-02	SURFACE-MOUNTED 4x7 WHITEBOARD
1011-04	SURFACE-MOUNTED 4x6 WHITEBOARD
1014-02	WALL-MOUNTED 82 SIGN, SEE EXHIBIT FOR SIGN TYPES
1044-01	SEMI-RECESSED FIRE EXTINGUISHER CABINET
0703-03	FRAMELESS GLASS WALL (HORIZONTAL, ENCLOSURE DESIGN)

ACCESSORY SCHEDULE	
TAG	DESCRIPTION
CB01	MOP AND BROOM HOLDER, SHOOK BY
GB02	18" VERT GRAB BAR
GB03	36" HORIZ GRAB BAR
GB04	48" HORIZ GRAB BAR
LB01	HAND LENS
MB01	ROBIE HOOK
MB02	SURFACE MOUNT HANDBL DRYER
CB02	SHOWER CURTAIN ROD AND HOOKS
SH11	FOLDING SHOWER SEAT
TW02	24" TOWEL BAR



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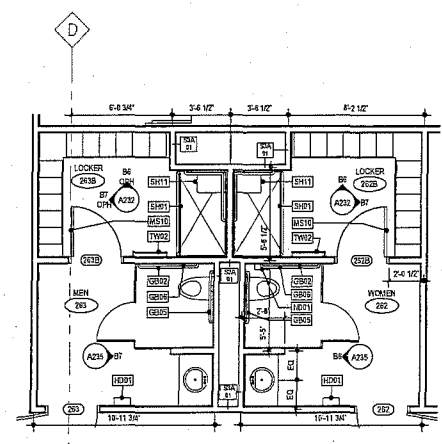
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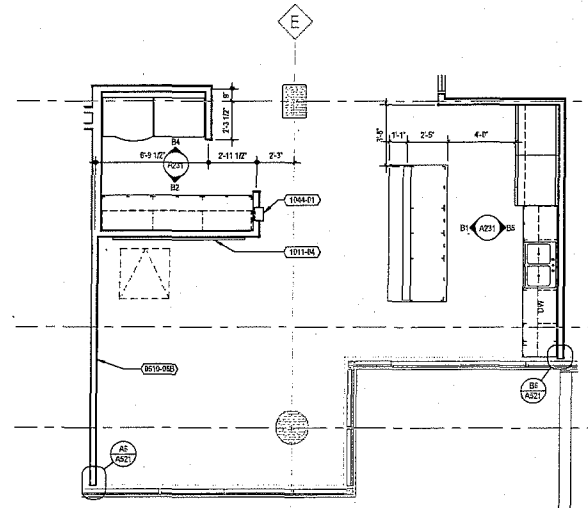
FIRE ADMIN
 ENLARGED FLOOR
 PLANS

A420

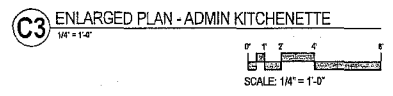
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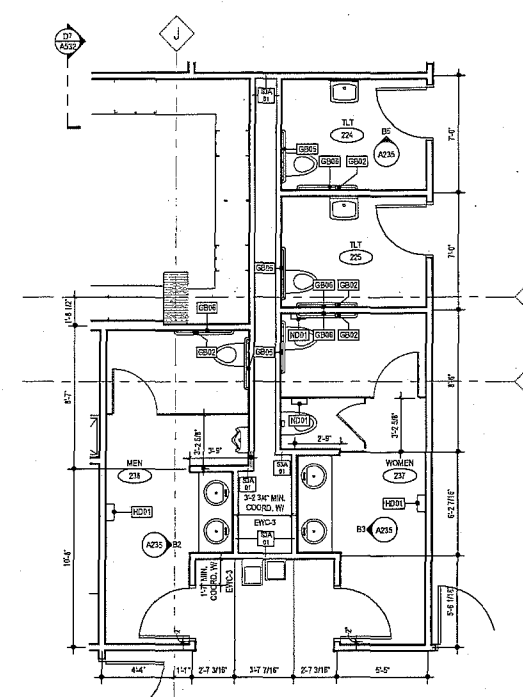
A1 ENLARGED PLAN - TOILET & LOCKER ROOMS
 1/4" = 1'-0"



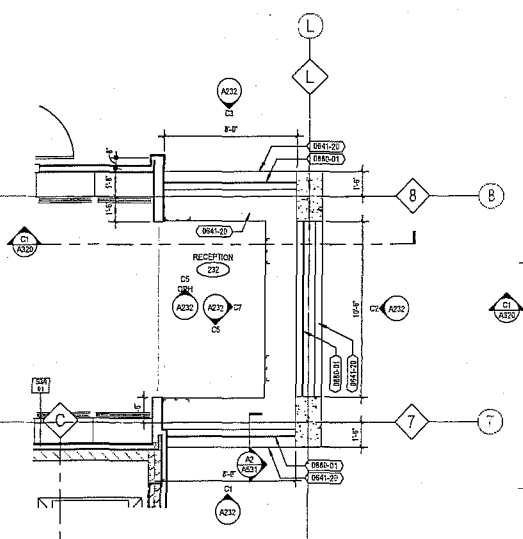
A2 ENLARGED PLAN - ADMIN BREAK ROOM
 1/4" = 1'-0"



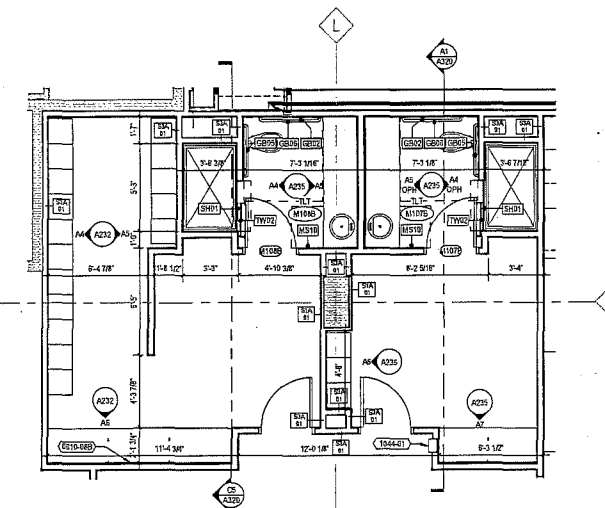
C3 ENLARGED PLAN - ADMIN KITCHENETTE
 1/4" = 1'-0"



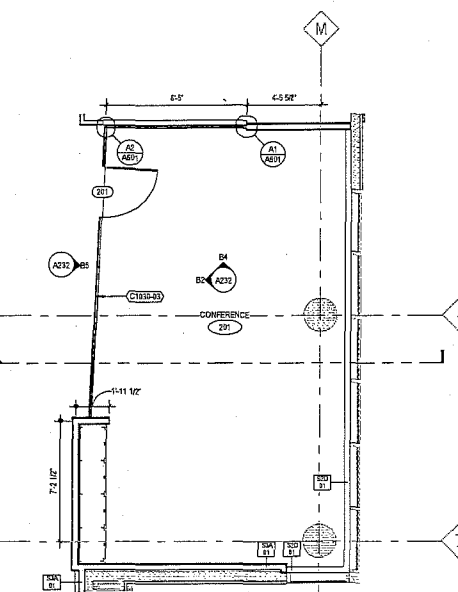
C4 ENLARGED PLAN - TOILET ROOMS
 1/4" = 1'-0"



A5 ENLARGED PLAN - RECEPTION
 1/4" = 1'-0"



C6 ENLARGED PLAN - CHIEF & AIDE
 1/4" = 1'-0"



A6 ENLARGED PLAN - CONFERENCE ROOM
 1/4" = 1'-0"



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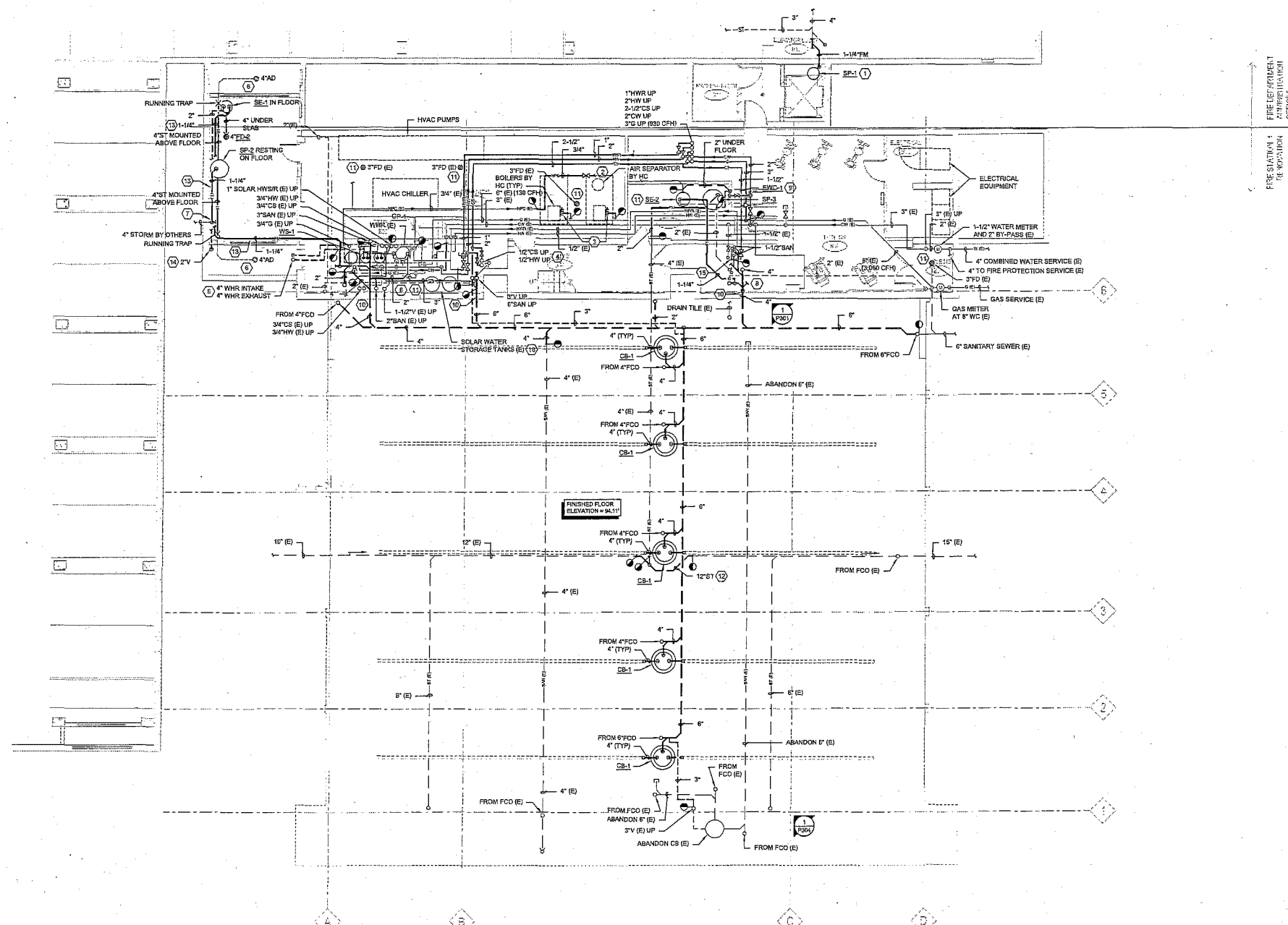
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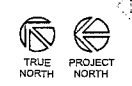
FS#1 BASEMENT AND
 ADMIN LOWER LEVEL
 PLAN - PLUMBING

P100

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1 FS#1 BASEMENT AND ADMIN LOWER LEVEL PLAN - PLUMBING
 SCALE: 1/8"=1'-0"



GENERAL NOTES:

1. PC SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE AE IMMEDIATELY BEFORE COMMENCING WORK.

KEYED NOTES:

- 1) CONNECT SUMP PUMP (SP-1) DISCHARGE TO STORM PIPING SYSTEM IN HOWDE BUILDING PARKING GARAGE. COORDINATE LOCATION WITH HOWDE PC.
- 2) CONNECT 3/4" NPS TO HVAC AIR SEPARATOR FOR BOILER MAKE-UP. COORDINATE CONNECTION WITH HC.
- 3) CONNECT 2-1/2" GAS (8" WC) (1,000 CFH) TO EACH HVAC BOILER. PROVIDE SHUT OFF VALVE AND DIRT LEG. COORDINATE CONNECTION WITH HC.
- 4) CONNECT 1/2" CS, 1/2" HW, 3" SAN, AND P-TRAP TO EXISTING MOP BASIN ON FIRST FLOOR ABOVE.
- 5) CONNECT TO EXISTING WATER HEATER 4" INTAKE AND 4" EXHAUST AND TERMINATE THRU WALL IN NEW GENERATOR EXHAUST AREA WELL AS SHOWN. COORDINATE WITH NEW DOOR LOCATION.
- 6) AREA WELL BOTTOM IS APPROXIMATELY 28" ABOVE GENERATOR FINISHED FLOOR. AREA WELL DRAIN AND DRAIN PIPING SHALL BE INSTALLED BY HOWDE BUILDING CONTRACTOR, WITH DRAIN PIPING INSTALLED THRU GENERATOR WALL 18" AFF. FC SHALL CONNECT TO PIPING, INSTALL RUNNING TRAP, AND PITCH TO EXPOSED SUMP PUMP BASIN (SP-2). ALL EXPOSED PIPING AND SUMP BASIN SHALL BE SECURED FROM GENERATOR VAULT WALLS OR FLOOR. NOTHING SHALL BE MOUNTED FROM REMOVABLE VAULT LID.
- 7) SUMP PUMP (SP-2) SHALL DISCHARGE TO GRAVITY STORM PIPE STUBBED INTO GENERATOR PIT BY OTHERS. PC SHALL PUMP INTO TOP OF GRAVITY STORM. COORDINATE GRAVITY STORM LOCATION WITH HOWDE CONTRACTOR.
- 8) REPLACE ALL EXISTING SANITARY WITH NEW. CONNECT TO EXISTING FIXTURES AS REQUIRED.

- 9) INSTALL 1/2" CW, 1-1/2" VENT, AND 2" SAN SERVING ELECTRIC WATER COOLER (EWC-1). CONNECT 2" SAN TO EXISTING SANITARY UNDER FLOOR. PC SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF EXISTING CONCRETE FLOOR SLABS AT THIS LOCATION.
- 10) PROVIDE LINK-SEAL FOR NEW SANITARY SEWER PIPE THRU EXISTING FOUNDATION WALL OPENING.
- 11) FLUSH AND CLEAN ALL FLOOR DRAINS IN BASEMENT AND SANITARY EJECTOR SUMP ONCE CONSTRUCTION IS COMPLETE.
- 12) OFFSET 12" STORM AROUND CATCH BASIN AND EXTEND 4" STORM AS SHOWN.
- 13) SUPPORT ABOVE GROUND PIPING FROM WALL. DO NOT SUPPORT FROM GENERATOR VAULT LID. SLOPE ALL FORCE MAIN PIPING TOWARDS CONNECTION TO GRAVITY DRAIN.
- 14) INSTALL 2" V FROM SE-1. SUPPORT FROM GENERATOR PIT WALL AND TERMINATE THRU WALL IN NEW GENERATOR EXHAUST AREA WELL AS SHOWN. ELBOW NEXT DOWN IN AREA WELL.
- 15) CONNECT 1-1/2" CS TO EXISTING CW SERVING EXISTING WATER CLOSET AND LAVATORY SINK ABOVE.
- 16) REFILL THE SOLAR WATER SYSTEM WITH 50% FOOD GRADE PROPYLENE GLYCOL SOLUTION.



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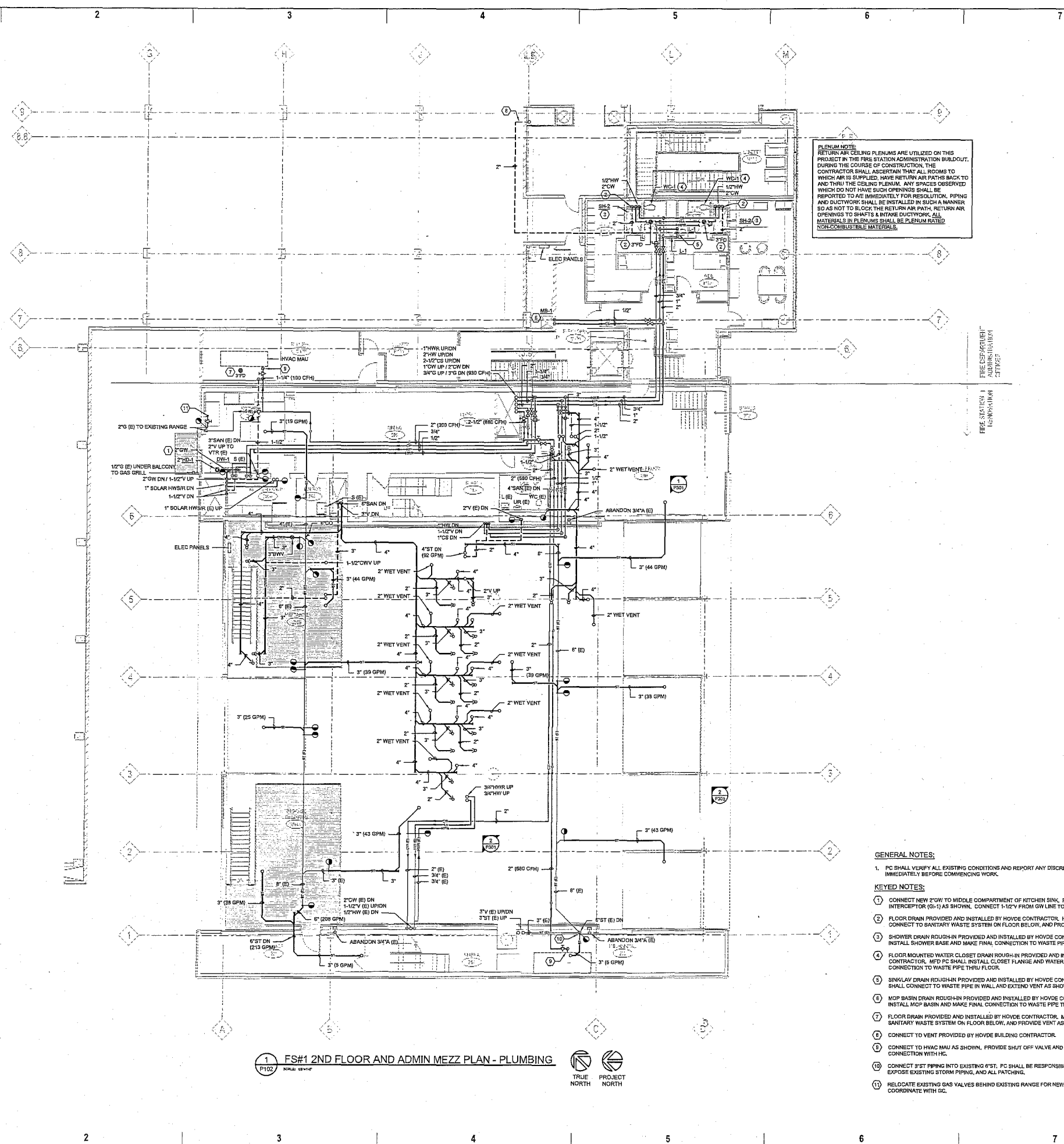


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FS#1 2ND FLOOR AND ADMIN MEZZ PLAN - PLUMBING

P102



PLENUM NOTE:
 RETURN AIR CEILING PLENUMS ARE UTILIZED ON THIS PROJECT IN THE FIRE STATION ADMINISTRATION BUILDOUT. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL ASCERTAIN THAT ALL ROOMS TO WHICH AIR IS SUPPLIED, HAVE RETURN AIR PATHS BACK TO AND THRU THE CEILING PLENUM. ANY SPACES OBSERVED WHICH DO NOT HAVE SUCH OPENINGS SHALL BE REPORTED TO A/E IMMEDIATELY FOR RESOLUTION. PIPING AND DUCTWORK SHALL BE INSTALLED IN SUCH A MANNER SO AS NOT TO BLOCK THE RETURN AIR PATH. RETURN AIR OPENINGS TO SHAFTS & INTAKE DUCTWORK, ALL MATERIALS IN PLENUMS SHALL BE PLENUM RATED NON-COMBUSTIBLE MATERIALS.

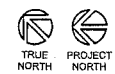
GENERAL NOTES:

1. PC SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E IMMEDIATELY BEFORE COMMENCING WORK.

KEYED NOTES:

1. CONNECT NEW 2\"/>
- 2. FLOOR DRAIN PROVIDED AND INSTALLED BY HOVDE CONTRACTOR. HOVDE CONTRACTOR SHALL CONNECT TO SANITARY WASTE SYSTEM ON FLOOR BELOW, AND PROVIDE VENT AS REQUIRED.
- 3. SHOWER DRAIN ROUGH-IN PROVIDED AND INSTALLED BY HOVDE CONTRACTOR. MFD PC SHALL INSTALL SHOWER BASE AND MAKE FINAL CONNECTION TO WASTE PIPE THRU FLOOR.
- 4. FLOOR MOUNTED WATER CLOSET DRAIN ROUGH-IN PROVIDED AND INSTALLED BY HOVDE CONTRACTOR. MFD PC SHALL INSTALL CLOSET FLANGE AND WATER CLOSET AND MAKE FINAL CONNECTION TO WASTE PIPE THRU FLOOR.
- 5. SINK/LAV DRAIN ROUGH-IN PROVIDED AND INSTALLED BY HOVDE CONTRACTOR TO 12\"/>
- 6. MOP BASIN DRAIN ROUGH-IN PROVIDED AND INSTALLED BY HOVDE CONTRACTOR. MFD PC SHALL INSTALL MOP BASIN AND MAKE FINAL CONNECTION TO WASTE PIPE THRU FLOOR.
- 7. FLOOR DRAIN PROVIDED AND INSTALLED BY HOVDE CONTRACTOR. MFD PC SHALL CONNECT TO SANITARY WASTE SYSTEM ON FLOOR BELOW, AND PROVIDE VENT AS SHOWN.
- 8. CONNECT TO VENT PROVIDED BY HOVDE BUILDING CONTRACTOR.
- 9. CONNECT TO HVAC MAU AS SHOWN, PROVIDE SHUT OFF VALVE AND DIRT LEG. COORDINATE CONNECTION WITH HE.
- 10. CONNECT 3\"/>
- 11. RELOCATE EXISTING GAS VALVES BEHIND EXISTING RANGE FOR NEW FURRED OUT WALL. COORDINATE WITH GC.

1 FS#1 2ND FLOOR AND ADMIN MEZZ PLAN - PLUMBING
 P102 SCALE: 1/8\"/>



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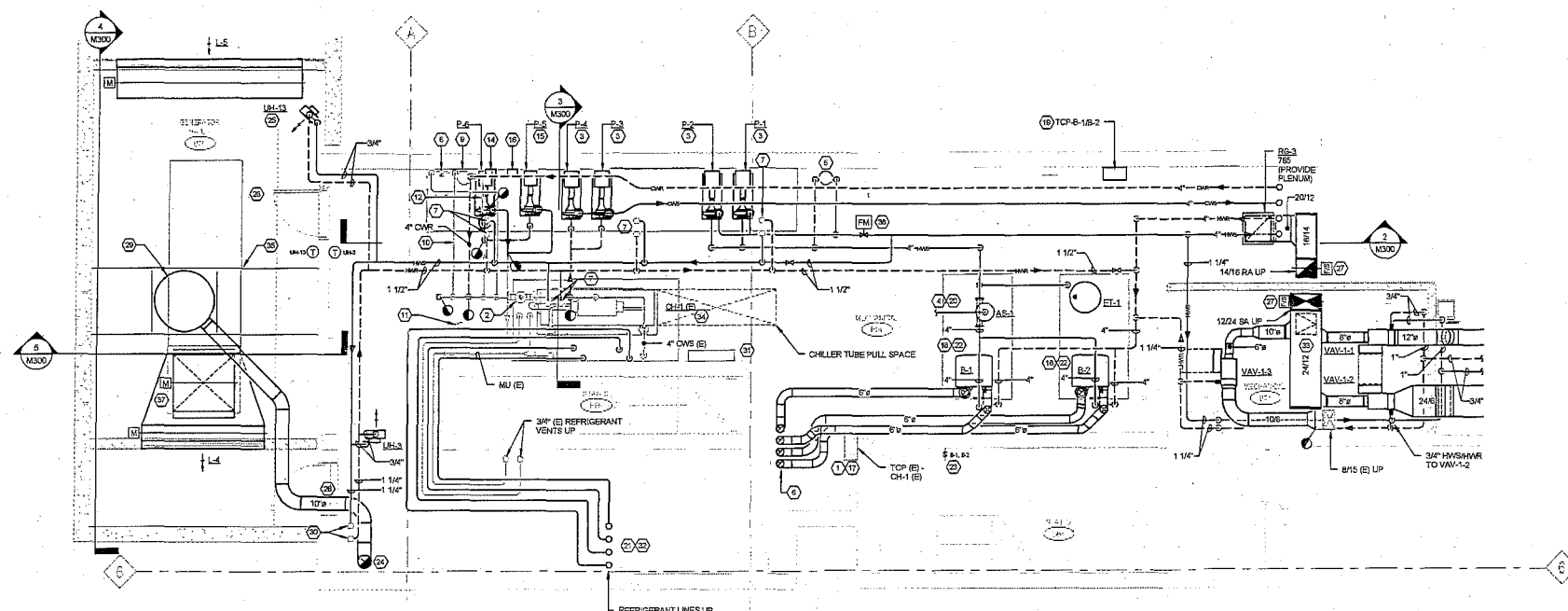
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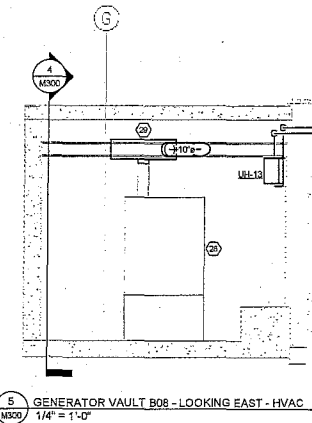
LARGE SCALE
 MECHANICAL ROOM
 B01 PLAN - HVAC

M300

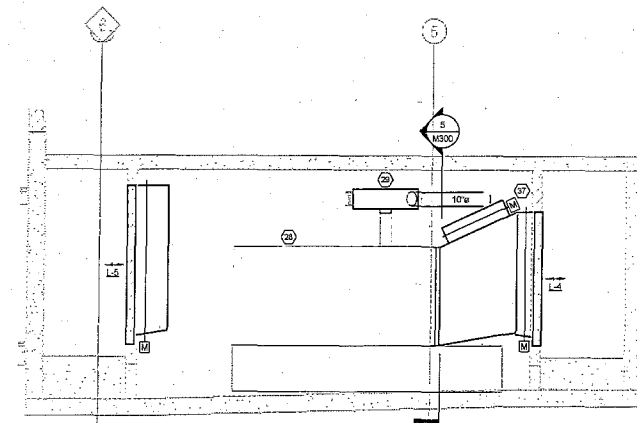
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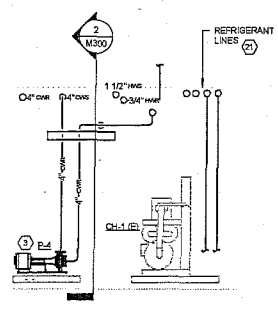
1 LARGE SCALE MECHANICAL ROOM B01 PLAN - HVAC
 M300 1/4" = 1'-0"



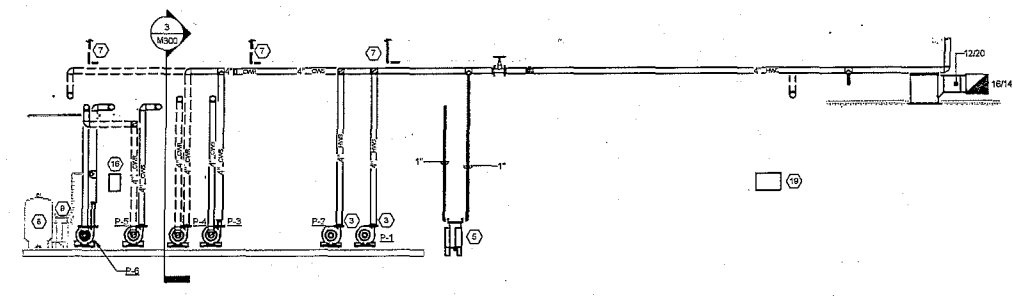
5 GENERATOR VAULT B08 - LOOKING EAST - HVAC
 M300 1/4" = 1'-0"



4 GENERATOR VAULT B08 SECTION - LOOKING SOUTH - HVAC
 M300 1/4" = 1'-0"



3 MECHANICAL ROOM B01 SECTION LOOKING SOUTH
 M300 1/4" = 1'-0"



2 MECHANICAL ROOM B01 SECTION LOOKING EAST
 M300 1/4" = 1'-0"

- GENERAL NOTES:**
- REFER TO CODE PLAN 0100 FOR REQUIRED RATINGS OF WALL AND FLOOR ASSEMBLIES. FIRE, SMOKE AND FIRE/SMOKE DAMPERS SHALL BE RATED TO MEET ASSEMBLY REQUIREMENTS.
 - HC TO PROVIDE 3'-0" CLEARANCE IN FRONT OF ALL VAV CONTROL PANELS IN ACCORDANCE WITH THE NEC.
 - HC SHALL VISIT AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. HC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.
- KEYED NOTES:**
- COORDINATE WITH EC TO PROVIDE DATA CONNECTION/DCD INTERFACE TO CHILLER TEMPERATURE CONTROL PANEL.
 - EXISTING SP/ROTHERM VSR400 AIR SEPARATOR.
 - PUMPS TO OPERATE IN LEADLAG OPERATION. LOCATE CORRESPONDING VFD ON WALL ADJACENT TO PUMP.
 - REFER TO DETAIL 5M601 FOR AS-1 AND ELL-1 INSTALLATION REQUIREMENTS.
 - CHEMICAL FEEDER HOT WATER SYSTEM LOCATION. PIPE 1" LINES TO PUMP SUCTION AND DISCHARGE AS SHOWN.
 - 6" DOUBLE WALL BOILER VENT/COMB. AIR INTAKE FROM B-1 AND B-2 UP THROUGH FLOOR. COORDINATE WITH GC FOR ACCESS TO EXISTING SHAFT. SUPPORT VENTING PER MANUFACTURER'S REQUIREMENTS.
 - 3/4" HWSHWR UP TO NEW CONNECTOR.
 - EXISTING BELL & GOSSETT B-150A EXPANSION TANK FOR CHILLED WATER SYSTEM.
 - EXISTING BY-PASS CHEMICAL FEEDER - CHILLED WATER SYSTEM.
 - EXISTING 1" LINE TO CHEMICAL FEEDER TO REMAIN.
 - EXISTING 1" LINE TO EXPANSION TANK TO REMAIN.
 - EXISTING 1" LINE FROM CHEMICAL FEEDER TO PUMP DISCHARGE TO REMAIN.
 - EXISTING 1" MAKE-UP WATER TO EXPANSION TANK.
 - P-6 DISCONNECT BY EC.
 - PUMPS P-2,S AND P-3 TO OPERATE IN LEADLAG OPERATION.
 - P-5 DISCONNECT BY EC.
 - EXISTING CHILLER TEMPERATURE CONTROL PANEL. COORDINATE WITH EC TO RECONNECT POWER TO TSP.
 - HC TO COORDINATE WITH PC TO PROVIDE GAS PIPING CONNECTION TO BOILER(S) INCLUDING SHUT-OFF VALVE AND DIRT LEG.
 - COORDINATE LOCATION OF TEMPERATURE CONTROL PANEL WITH EC TO PROVIDE POWER AND DATA CONNECTION. GC TO PROVIDE BACKER BOARD.
 - PROVIDE MAKE-UP WATER FOR HOT WATER SYSTEM. COORDINATE EXISTING NON-POTABLE WATER CONNECTION WITH PC. REFER TO SHEET P100.
 - HC TO COORDINATE WITH CHILLER MANUFACTURER FOR REFRIGERANT LIQUID AND SUCTION SIZES, INCLUDING ALL VALVES AND ACCESSORIES REQUIRED.
 - COORDINATE WITH EC TO PROVIDE A LOCAL, LOCKABLE DISCONNECT FOR EACH BOILER AND AN EMERGENCY DISCONNECT SWITCH IN ACCORDANCE WITH CSA-1 (ASME).
 - LOCATION FOR EMERGENCY DISCONNECT SWITCH. EC TO PROVIDE SWITCH AND POWER CONNECTION TO SWITCH.
 - 10" EXHAUST FROM GENERATOR THROUGH FLOOR. COORDINATE PENETRATION WITH GC.
 - HC TO MOUNT BELL'S ON WALL BRACKET. PROVIDE ALL NECESSARY STRUCTURAL AND SUPPORTING ELEMENTS. COORDINATE PIPE PENETRATION WITH GC.
 - HC TO COORDINATE GENERATOR EXHAUST PENETRATION WITH GC. PROVIDE SLEEVE, FILL ANNUAL SPACE AND SEAL WATER-TIGHT.
 - HC TO PROVIDE A COMBINATION FIRE/SMOKE DAMPER. HC TO COORDINATE WITH EC TO INTERLOCK FIRE/SMOKE DAMPER WITH NEAREST SMOKE DETECTION DEVICE. SMOKE DETECTION DEVICE AND INTERLOCK WIRING BY EC.
 - GENERATOR PROVIDED BY GC.
 - MUFFLER PROVIDED BY EC. HC TO INSTALL. PROVIDE EXHAUST CONNECTION BETWEEN MUFFLER AND FLEXIBLE EXHAUST CONNECTION ON EMERGENCY GENERATOR.
 - 1 1/4" HWSHWR UP.
 - 2x1 (E) DISCONNECT. COORDINATE WITH EC TO RECONNECT POWER.
 - HC TO REUSE EXISTING PENETRATIONS THROUGH FLOOR FOR NEW REFRIGERANT PIPING.
 - PROVIDE ACCESS DOOR FOR COMBINATION FIRE/SMOKE DAMPER. REFER TO DETAIL 5M602 FOR ADDITIONAL REQUIREMENTS.
 - REFER TO CHILLER AND CONDENSER SCHEDULE FOR NUMBER OF REFRIGERANT CIRCUITS.
 - GC TO PROVIDE STRUCTURAL SUPPORT FOR EXHAUST MUFFLER.
 - NOT USED.
 - PROVIDE 4x4x8 BY-PASS AND DAMPER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - MINIMUM BY-PASS FLOW METER LOCATION. SET TO 25.0 GPM. REFER TO SEQUENCES FOR ADDITIONAL REQUIREMENTS.

HC SHALL LOCATE ALL VAV BOXES AS SHOWN ON PLANS. IF MINIMUM REQUIRED CLEARANCE CANNOT BE MET OR VAV CANNOT BE INSTALLED IN THE LOCATION AS SHOWN, HC SHALL NOTIFY A/E PRIOR TO INSTALLING VAV BOX. ANY VAV BOX THAT IS REQUIRED TO BE RELOCATED MUST BE APPROVED BY THE A/E.



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PROJECT INFORMATION
 Fire Station
 Administration Office
 Building and Fire Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

316 West Dayton St.
 Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



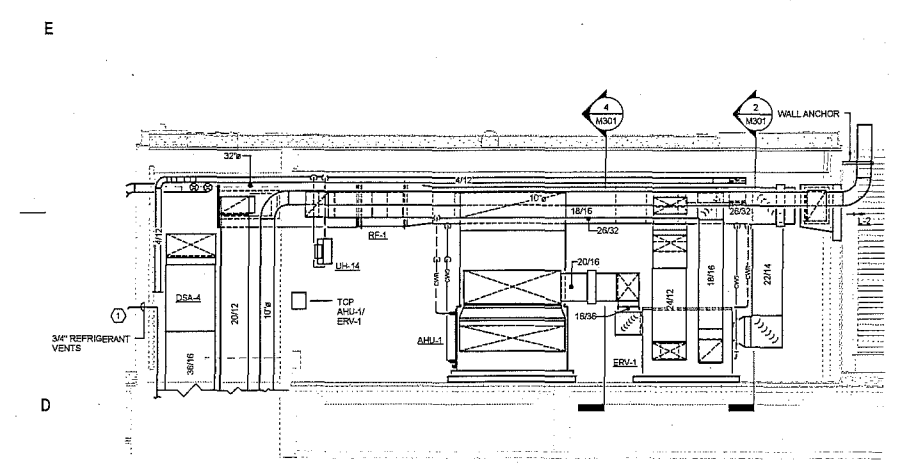
SHEET INFORMATION

PROJECT MANAGER _____
 PROJECT NUMBER 12149
 DATE 01/09/2015

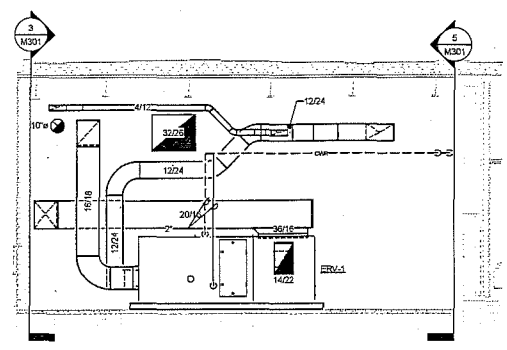
**LARGE SCALE
 PENTHOUSE 336
 PLAN - HVAC**

M301

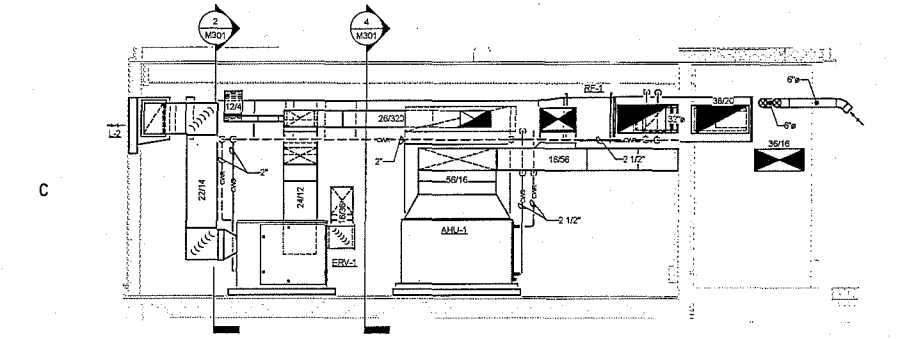
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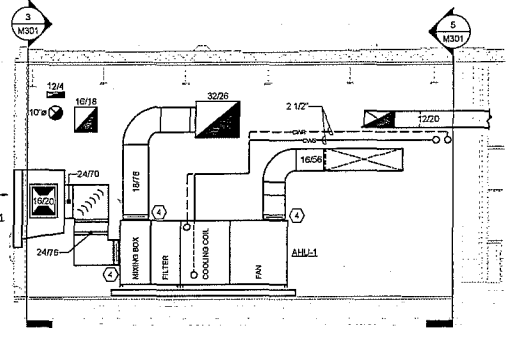
3 PENTHOUSE 336 SECTION LOOKING SOUTH
 M301 1/4" = 1'-0"



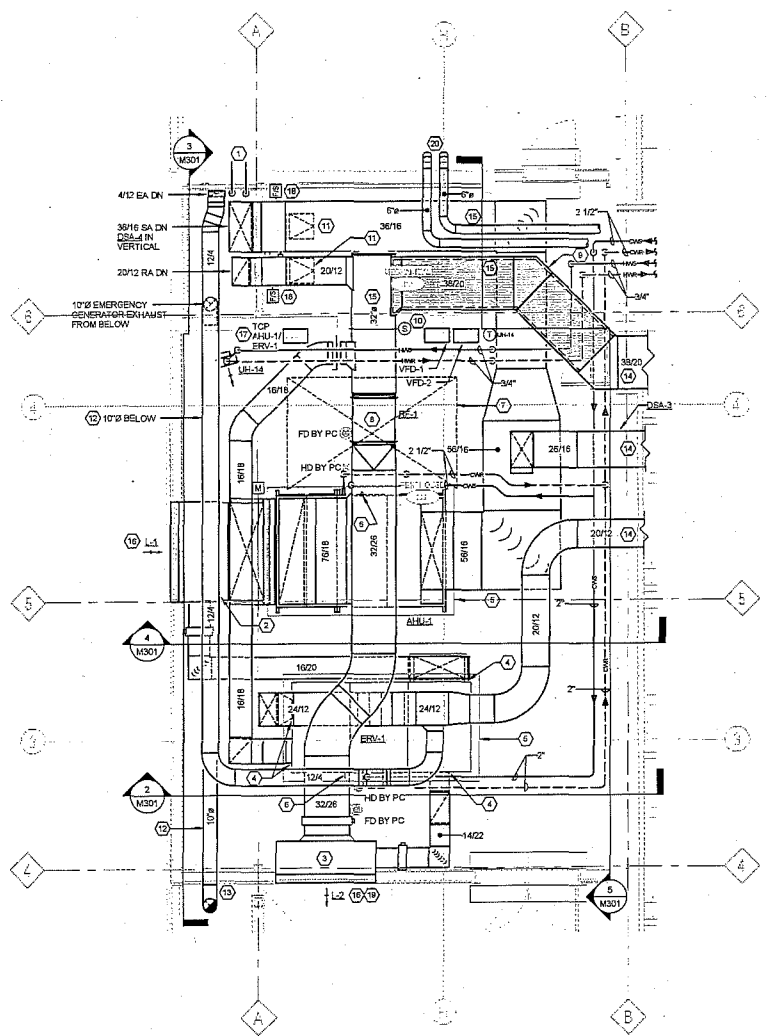
2 PENTHOUSE 336 ERV-1 SECTION LOOKING EAST
 M301 1/4" = 1'-0"



5 PENTHOUSE 336 SECTION LOOKING NORTH
 M301 1/4" = 1'-0"



4 PENTHOUSE 336 AHU-1 SECTION LOOKING EAST
 M301 1/4" = 1'-0"



1 LARGE SCALE PENTHOUSE 336 PLAN - HVAC
 M301 1/4" = 1'-0"

- GENERAL NOTES:**
- REFER TO CODE PLAN G100 FOR REQUIRED RATINGS OF WALL AND FLOOR ASSEMBLIES. FIRE, SMOKE AND FIRE/SMOKE DAMPERS SHALL BE RATED TO MEET ASSEMBLY REQUIREMENTS.
 - HC SHALL VISIT AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. HC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.

- KEYED NOTES:**
- PROVIDE GOODSNECK FOR 3/4" REFRIGERANT VENTS. COORDINATE HOLE OPENING WITH GC AND SEAL WATER-TIGHT. DISCHARGE OPENING TO BE MINIMUM 1' ABOVE ROOF.
 - 72x56 OUTSIDE AIR LOUVER PLENUM.
 - 72x40 RELIEF AIR LOUVER PLENUM.
 - PROVIDE FLEXIBLE DUCT CONNECTION.
 - HC TO PROVIDE 4" HIGH EQUIPMENT PAD.
 - HC TO ROUTE CONDENSATE PIPE TO HUB DRAIN. HUB DRAIN BY PC. COORDINATE PIPE SIZE TO MATCH EQUIPMENT DRAIN CONNECTION.
 - COOLING COIL, FILTER AND SUPPLY FAN CLEARANCE FOR ASLL1.
 - PROVIDE SPRING VIBRATION ISOLATORS AND SUSPEND FROM STRUCTURE.
 - PROVIDE LINED RETURN DUCTWORK.
 - DUCT-MOUNTED SMOKE DETECTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - PROVIDE ACCESS DOOR FOR FIRE/SMOKE DAMPER.
 - 10" GENERATOR EXHAUST.
 - PROVIDE WALL THIMBLE AND DISCHARGE CAP ACCESSORY WITH SCREENED OUTLET. EXTEND DISCHARGE VERTICALLY TO ABOVE ROOF LINE.
 - HC RESPONSIBLE TO COORDINATE DUCTWORK THROUGH EXISTING STRUCTURAL GRID.
 - COORDINATE PENETRATIONS WITH GC.
 - COORDINATE LOUVER LOCATION WITH GC.
 - COORDINATE LOCATION OF TEMPERATURE CONTROL PANEL WITH EC TO PROVIDE POWER AND DATA CONNECTION. GC TO PROVIDE BACKER BOARD.
 - HC TO PROVIDE A COMBINATION FIRE/SMOKE DAMPER. HC TO COORDINATE WITH EC TO INTERLOCK FIRE/SMOKE DAMPER WITH NEAREST SMOKE DETECTION DEVICE. SMOKE DETECTION DEVICE AND INTERLOCK WIRING BY EC.
 - LOUVER FURNISHED BY OWNER, INSTALLED BY HC.
 - 2" 619 DOUBLE WALL BOILER INTAKES THROUGH SIDEWALL. PROVIDE MANUFACTURER INTAKE ACCESSORY. REFER TO DETAIL SING2.

HOT WATER FIN TUBE RADIATION SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Type, Enclosure Height, Enclosure Depth, Enclosure Length, Rows, Height, Length, Avg Water Temp, Top of Encl. Mtg Height, # of Tiers, EAT, Water Temp Drop, Capacity, Tube Size, Tube Material, Fin Size, Fin Material, TCV, and Remarks.

GENERAL NOTES: 1. HC IS RESPONSIBLE FOR PROVIDING ALL REQUIRED WALL FIN ACCESSORIES INCLUDING END CAPS, INSIDE AND OUTSIDE CORNERS, AND CENTER TRIM KITS. 2. VERIFY FINAL ENCLOSURE MOUNTING HEIGHT WITH ARCHITECT AND GO PRIOR TO INSTALLATION.

AIR COOLED CHILLER SCHEDULE

Table with columns for Unit No., Service, Location, Manufacturer, Model No., Type, Refrig. Type, Cooling Capacity, No. of Compressors, Refrigerant Connections, Max. Pressure, EWT, LWT, Chiller Water GPM, WPD, Water Volume, Phase, MCA, MCO, Compressor FLA, Approx. Weight, and Remarks.

KEYED NOTES: 1. EXISTING SPLIT AIR COOLED CHILLER. 2. HVAC CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR FINAL REFRIGERANT LIQUID AND SUCTION LINE SIZES PRIOR TO INSTALLATION.

AIR COOLED CONDENSER UNIT SCHEDULE

Table with columns for Unit No., Service, Location, Manufacturer, Model No., Nominal Capacity, Ambient Temp, Condenser Temp, Refrig. Subcooling, Operating Temp, Heat Rejection Capacity, Air Flow, No. of Condenser Fans, No. of Circuits, Refrigerant Type, Refrigerant Charge, Refrigerant Line Size, Refrigerant Connection, Approx. Weight, Voltage, Phase, and Remarks.

KEYED NOTES: 1. EXISTING AIR COOLED CONDENSER TO BE RELOCATED. HVAC CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR RELOCATION OF UNIT AND EQUIPMENT RAILS. 2. HVAC CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR FINAL REFRIGERANT LIQUID AND SUCTION LINE SIZES PRIOR TO INSTALLATION.

AIR HANDLING UNIT SCHEDULE

Table with columns for Unit No., Location, Service, Manufacturer, Model No., Air Flow, Min. OA CFM, % Outside Air, Fan Type, Wheel Type, TSP, Drive Type, RPM, SHP, VOLS, Phase, Locked Motor Current, Full Load Current, VFD, Vibration Isolator Type, Vibration Isolator Deflection, Chilled Water Cooling Coil, Dry P/DB, Lat P/DB, Lat P/WB, # of Coils, Min. Water PD, GPM, EWT, TCV Size, Filters, Pre-Filter Type, Pre-Filter Efficiency, Pre-Filter Depth, Max Pre-Filter Velocity, Final Filter Type, Final Filter Efficiency, Final Filter Depth, Max Final Filter Velocity, and Remarks.

KEYED NOTES: 1. (B) 20X24X12 AND (R) 20X24X20 PLEATED FILTERS. 2. (B) 20X24X12 AND (R) 20X24X12 SH CARTRIDGE FILTERS. 3. (B) 20X24X12 AND (R) 20X24X20 PLEATED FILTERS. 4. (B) 20X24X12 AND (R) 20X24X12 SH CARTRIDGE FILTERS. 5. HC TO COORDINATE DRIVE LOCATION AND UNIT ORIENTATION WITH MANUFACTURER PRIOR TO INSTALLATION.

GAS-FIRED MAKE-UP AIR UNIT SCHEDULE

Table with columns for Unit No., Location, Service, Manufacturer, Model No., Supply CFM, OA CFM, EWT, FAN TYPE, EWT, Air Temp, Leaving Air Temp, Input Capacity, Output Capacity, Gas Pressure, FAN RPM, FAN VOLS, FAN PHASE, MCA, MCO, VOLTAGE, Phase, Unit Weight, and Remarks.

KEYED NOTES: 1. PROVIDE WITH REMOTE MOUNTED CONTROL PANEL, DIRECT SPARK IGNITION, LOW-VOLTAZ GAS PRESSURE SWITCH, DISCHARGE TEMPERATURE CONTROL, INLET MOTORIZED DAMPER, STAINLESS STEEL HEAT EXCHANGER, 250 MODULATING CONTROL, DOUBLE WALL INSULATION (ENTIRE UNIT) AND HAS W/INTERFACE. 2. PROVIDE WITH TOP DISCHARGE.

HOT WATER BOILER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Natural Gas Input, Rated Btu/Gal Output, EWT, LWT, Hot Water GPM, Vent/Intake Damper, Water Connection Dia, VOLS, Phase, MCO, Unit Weight, and Remarks.

KEYED NOTES: 1. PROVIDE WITH DDC TEMPERATURE SENSOR.

PUMP SCHEDULE

Table with columns for Unit No., Location, Service, Manufacturer, Model No., Capacity GPM, Pressure Head, Shut-Off Pressure, Min. WPD, Inlet/Outlet, Inlet/Outlet Diameter, Max. Eff. %, RPM, BHP, HP, Voltage/Phase, VFD, Unit Weight, and Remarks.

KEYED NOTES: 1. PROVIDE PUMP WITH SHUT-OFF VALVE AND CHECK VALVE AT PUMP DISCHARGE AND SUCTION DIFFUSER/STRAINER AT PUMP INLET. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CHILLED WATER COIL SCHEDULE

Table with columns for Tag, Location, Service, Location, CFM, Face Velocity, Sensible Capacity, Total Capacity, GPM, # of Coils, Rows, Max Fins/Inch, EWT, EAT, Lat, WPD, APP, TCV Type, and Remarks.

KEYED NOTES: 1. PROVIDE ALUMINUM FINS, COPPER HEADER AND 3/8" I.D. TUBES, AND STAINLESS STEEL DRAIN PAN. PROVIDE 2" COIL CASING WITH ACCESS DOOR UPSTREAM OF COIL. 2. RENEWABLE MANUFACTURER SUPPLIED COOLING COIL MODULE FOR ERV-1, PROVIDE ALUMINUM FINS AND COPPER TUBES.

HOT WATER CABINET UNIT HEATER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., CFM, Airflow, GPM, EWT, EAT, Lat, WPD, APP, TCV Type, and Remarks.

KEYED NOTES: 1. PROVIDE WITH PERMALAP FRAME, INTEGRAL DISCONNECT, AND DDC THERMOSTAT. CABINET UNIT HEATER TO BE WHITE. 2. PROVIDE INTERNAL DISCONNECT, AND DDC THERMOSTAT. CABINET UNIT HEATER TO BE WHITE.

EXPANSION TANK SCHEDULE

Table with columns for Unit No., Service, Location, Manufacturer, Model No., Acceptance Volume, Diameter, Height, Weight, Support, and Remarks.

KEYED NOTES: 1. 1"5 CONNECTION, TANK TO BE ASME 125 PSI RATED AND PRE-CHARGED TO 12 PSIG. 2. EXISTING CHILLED WATER EXPANSION TANK. VERIFY FILL PRESSURE AND ADJUST AS REQUIRED.

HOT WATER UNIT HEATER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Type, Airflow, EAT, Capacity, GPM, EWT, LWT, WPD, Motor IP, Voltage/Phase, RPM, Fan Speed, and Remarks.

KEYED NOTES: 1. PROVIDE WITH DDC TEMPERATURE SENSOR.

AIR DEVICE SCHEDULE

Table with columns for Unit No., Service, Manufacturer, Model No., Face Style, Finish, Material, Size, CFM Range, Mounting, Damper, and Remarks.

GENERAL NOTES: 1. CONTRACTOR SHALL VERIFY MOUNTING SURFACE / FRAME REQUIREMENTS. 2. BRANCH DUCT SIZE TO DIFFUSER SHALL BE THE NEAREST SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE. 3. SEE SPECIFICATION FOR GRILLE, REGISTER, AND DIFFUSER FINISHES. 4. MAXIMUM STATIC PRESSURE DROP THROUGH GRILLE, REGISTER, OR DIFFUSER SHALL NOT EXCEED 0.1". 5. MAXIMUM NO. LEVELS FOR GRILLES, REGISTERS, OR DIFFUSERS SHALL NOT EXCEED 24. 6. UNLESS THROWN IS NOTED OTHERWISE, ALL DIFFUSERS SHALL BE 4-WAY THROWN. KEYED NOTES: 1. PROVIDE DIFFUSER WITH 1-WAY DIRECTIONAL THROW, REFER TO PLANS FOR DIFFUSER ORIENTATION. 2. SLOT DIFFUSER TO HAVE 18" Ø OVAL INLET, 2 SLOTS, 1" SLOT WIDTH. 3. COORDINATE WITH GC TO PROVIDE REQUIRED T-BAR FOR GRILLE MOUNTING.



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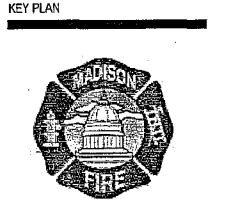


PROJECT INFORMATION
Fire Station
Administration Office
Building and Fire
Station No. 1
(Hovde Properties
Tenant Improvements)
Contract No. 6891

316 West Dayton St.
Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS table with columns for #, Date, Description



PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

SCHEDULES - HVAC
M800
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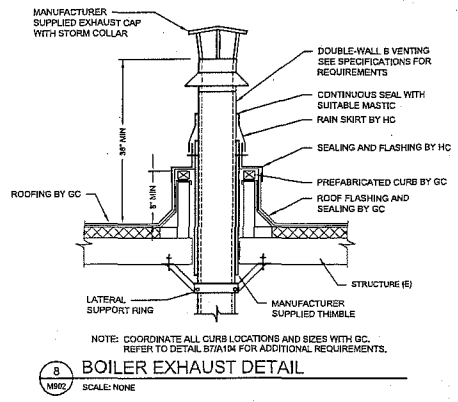
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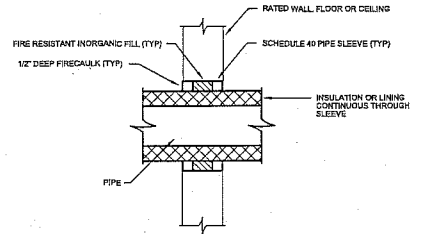
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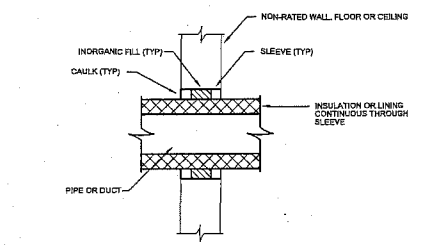
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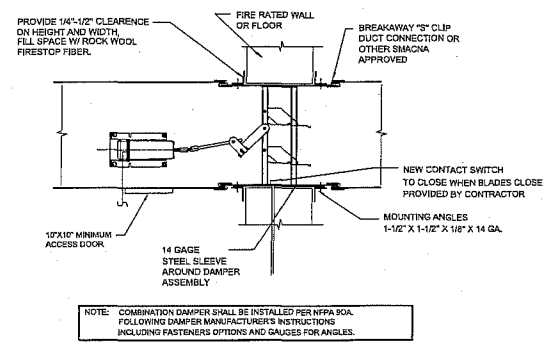
8 BOILER EXHAUST DETAIL
SCALE: NONE



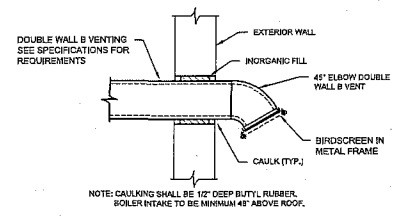
7 RATED WALL PIPE SLEEVE DETAIL
SCALE: NONE



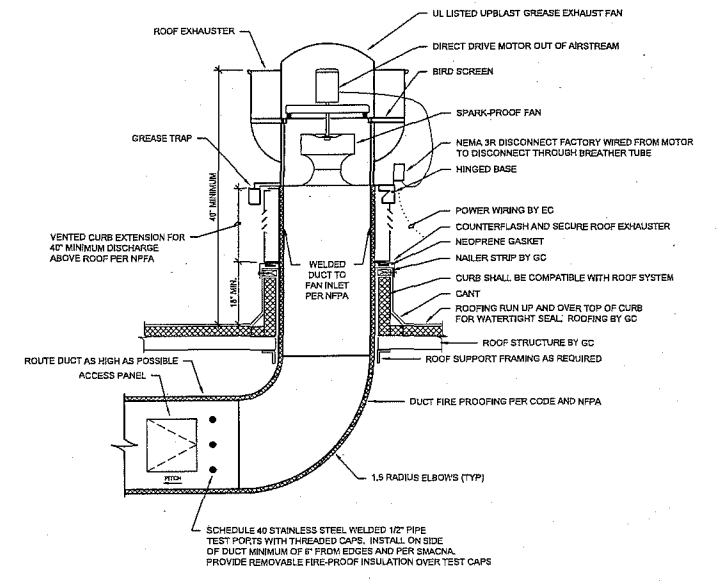
6 PIPE OR DUCT SLEEVE DETAIL
SCALE: NONE



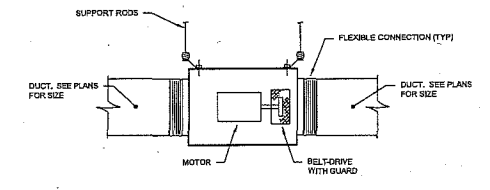
5 COMBINATION FIRE/SMOKE DAMPER DETAIL
SCALE: NONE



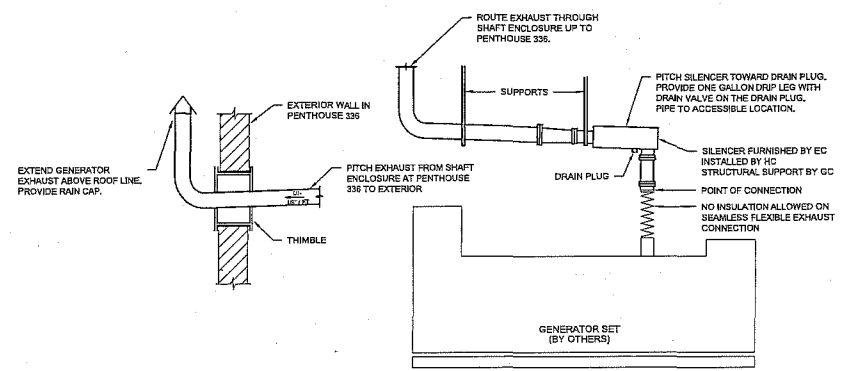
9 BOILER INTAKE DETAIL
SCALE: NONE



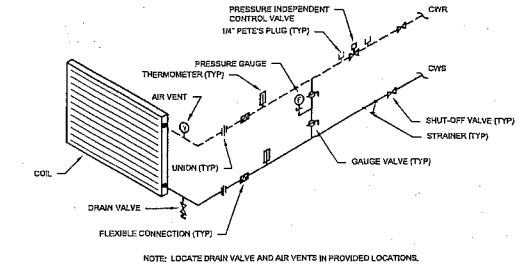
4 UPBLAST GREASE EXHAUST FAN
SCALE: NONE



3 INLINE EXHAUST FAN
SCALE: NONE



2 GENERATOR SET EXHAUST CONN.
SCALE: NONE



1 ENERGY RECOVERY UNIT (CC-3 & CC-4) CHILLED WATER COIL PIPING DETAIL
SCALE: NONE



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PROJECT INFORMATION
Fire Station
Administration Office
Building and Fire
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(Hovde Properties
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Contract No. 6891

316 West Dayton St.
Madison, WI 53703

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BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION

KEY PLAN



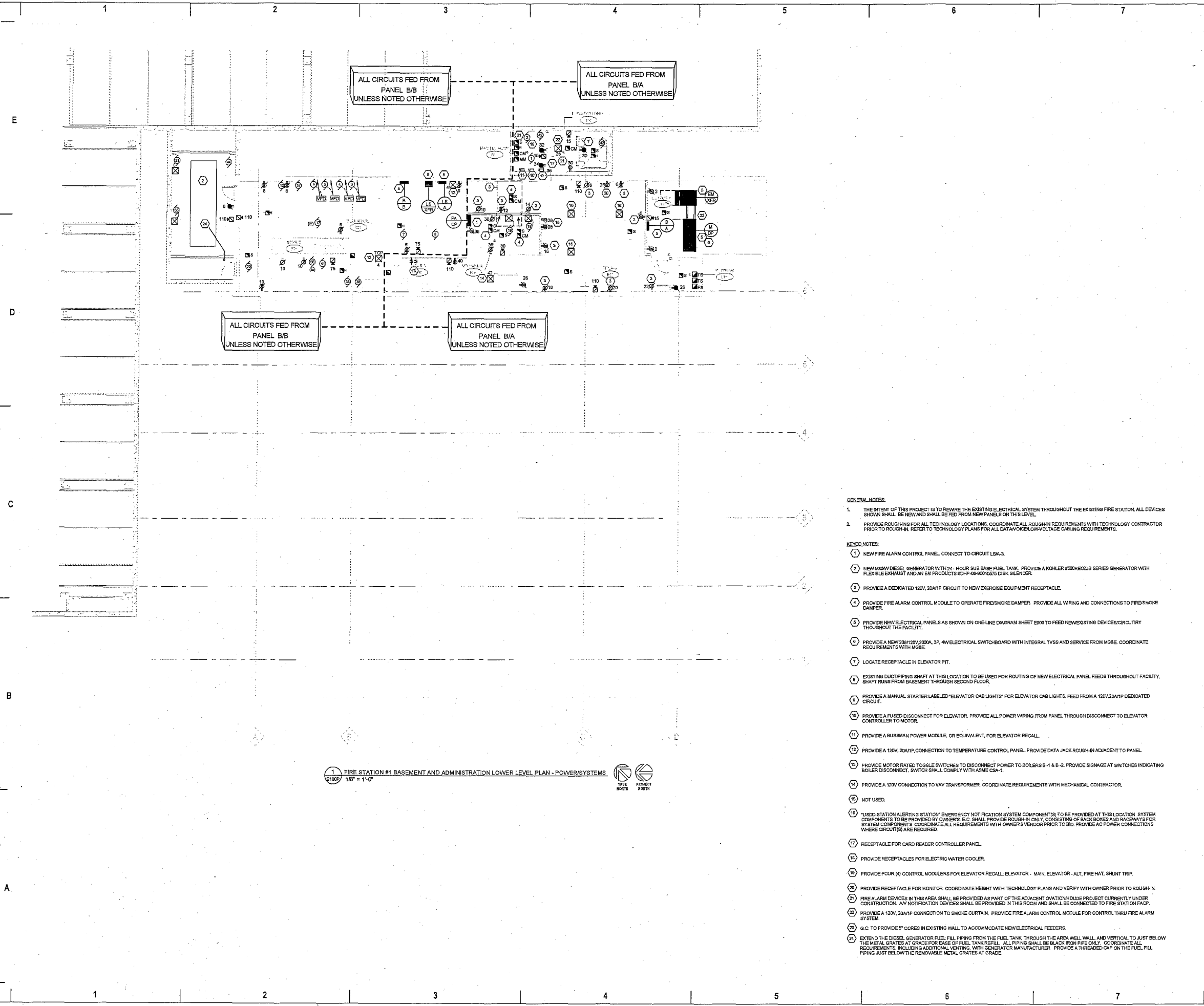
SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

DETAILS - HVAC

M902

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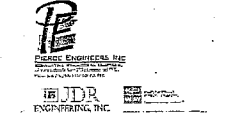


1 FIRE STATION #1 BASEMENT AND ADMINISTRATION LOWER LEVEL PLAN - POWER/SYSTEMS
 E100P 1/8" = 1'-0"

- GENERAL NOTES:**
- THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA/BELOW-VOLTAGE CABLING REQUIREMENTS.
- KEYED NOTES:**
- NEW FIRE ALARM CONTROL PANEL. CONNECT TO CIRCUIT L8A-3.
 - NEW 500KW DIESEL GENERATOR WITH 24-HOUR SUB-BASE FUEL TANK. PROVIDE A KOHLER #00RE02J8 SERIES GENERATOR WITH FLEXIBLE EXHAUST AND AN EM PRODUCTS #DHP-08-90010575 DISK SILENCER.
 - PROVIDE A DEDICATED 120V, 20A/1P CIRCUIT TO NEW EXERCISE EQUIPMENT RECEPTACLE.
 - PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
 - PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 - PROVIDE A NEW 200/120V/2000A, 3P, 4W ELECTRICAL SWITCHBOARD WITH INTEGRAL TVSS AND SERVICE FROM MGBE. COORDINATE REQUIREMENTS WITH MGBE.
 - LOCATE RECEPTACLE IN ELEVATOR PIT.
 - EXISTING DUCT/PIPING SHOWN AT THIS LOCATION TO BE USED FOR ROUTING OF NEW ELECTRICAL PANEL FEEDS THROUGHOUT FACILITY. SHUNT RUNS FROM BASEMENT THROUGH SECOND FLOOR.
 - PROVIDE A MANUAL STARTER LABELED "ELEVATOR CAB LIGHTS" FOR ELEVATOR CAB LIGHTS. FEED FROM A 120V, 20A/1P DEDICATED CIRCUIT.
 - PROVIDE A FUSED DISCONNECT FOR ELEVATOR. PROVIDE ALL POWER WIRING FROM PANEL THROUGH DISCONNECT TO ELEVATOR CONTROLLER TO MOTOR.
 - PROVIDE A BUSSMAN POWER MODULE, OR EQUIVALENT, FOR ELEVATOR RECALL.
 - PROVIDE A 120V, 20A/1P CONNECTION TO TEMPERATURE CONTROL PANEL. PROVIDE DATA JACK ROUGH-IN ADJACENT TO PANEL.
 - PROVIDE MOTOR RATED TOGGLE SWITCHES TO DISCONNECT POWER TO BOILERS B-1 & B-2. PROVIDE SIGNAGE AT SWITCHES INDICATING BOILER DISCONNECT. SWITCH SHALL COMPLY WITH ASME CSA-1.
 - PROVIDE A 120V CONNECTION TO WAVE TRANSFORMER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - NOT USED.
 - "USSD STATION ALERTING STATION" EMERGENCY NOTIFICATION SYSTEM COMPONENT(S) TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENTS TO BE PROVIDED BY OWNERS. E.G. SHALL PROVIDE ROUGH-IN ONLY, CONSISTING OF BACK BOXES AND RACKWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL REQUIREMENTS WITH OWNERS VENDOR PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUIT(S) ARE REQUIRED.
 - RECEPTACLE FOR CARD READER CONTROLLER PANEL.
 - PROVIDE RECEPTACLES FOR ELECTRIC WATER COOLER.
 - PROVIDE FOUR (4) CONTROL MODULES FOR ELEVATOR RECALL: ELEVATOR - MAIN, ELEVATOR - ALT, FIRE HAT, SHUNT TRIP.
 - PROVIDE RECEPTACLE FOR MONITOR. COORDINATE HEIGHT WITH TECHNOLOGY PLANS AND VERIFY WITH OWNER PRIOR TO ROUGH-IN.
 - FIRE ALARM DEVICES IN THIS AREA SHALL BE PROVIDED AS PART OF THE ADJACENT QUATIONHOUSE PROJECT CURRENTLY UNDER CONSTRUCTION. ALL NOTIFICATION DEVICES SHALL BE PROVIDED IN THIS ROOM AND SHALL BE CONNECTED TO FIRE STATION FACILITY.
 - PROVIDE A 120V, 20A/1P CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
 - G.C. TO PROVIDE 5" CORES IN EXISTING WALL TO ACCOMMODATE NEW ELECTRICAL FEEDERS.
 - EXTEND THE DIESEL GENERATOR FUEL FILL PIPING FROM THE FUEL TANK THROUGH THE AREA WELL WALL AND VERTICAL TO JUST BELOW THE METAL GRATES AT GRADE FOR EASE OF FUEL TANK REFILL. ALL PIPING SHALL BE BLACK IRON PIPE ONLY. COORDINATE ALL REQUIREMENTS, INCLUDING ADDITIONAL VENTING WITH GENERATOR MANUFACTURER. PROVIDE A THREADED CAP ON THE FUEL FILL PIPING JUST BELOW THE REMOVABLE METAL GRATES AT GRADE.



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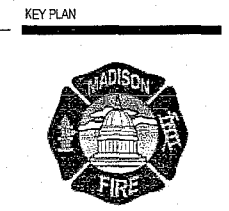
PROJECT INFORMATION
 Fire Station
 Administration Office
 Building and Fire
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ISSUANCE AND REVISIONS
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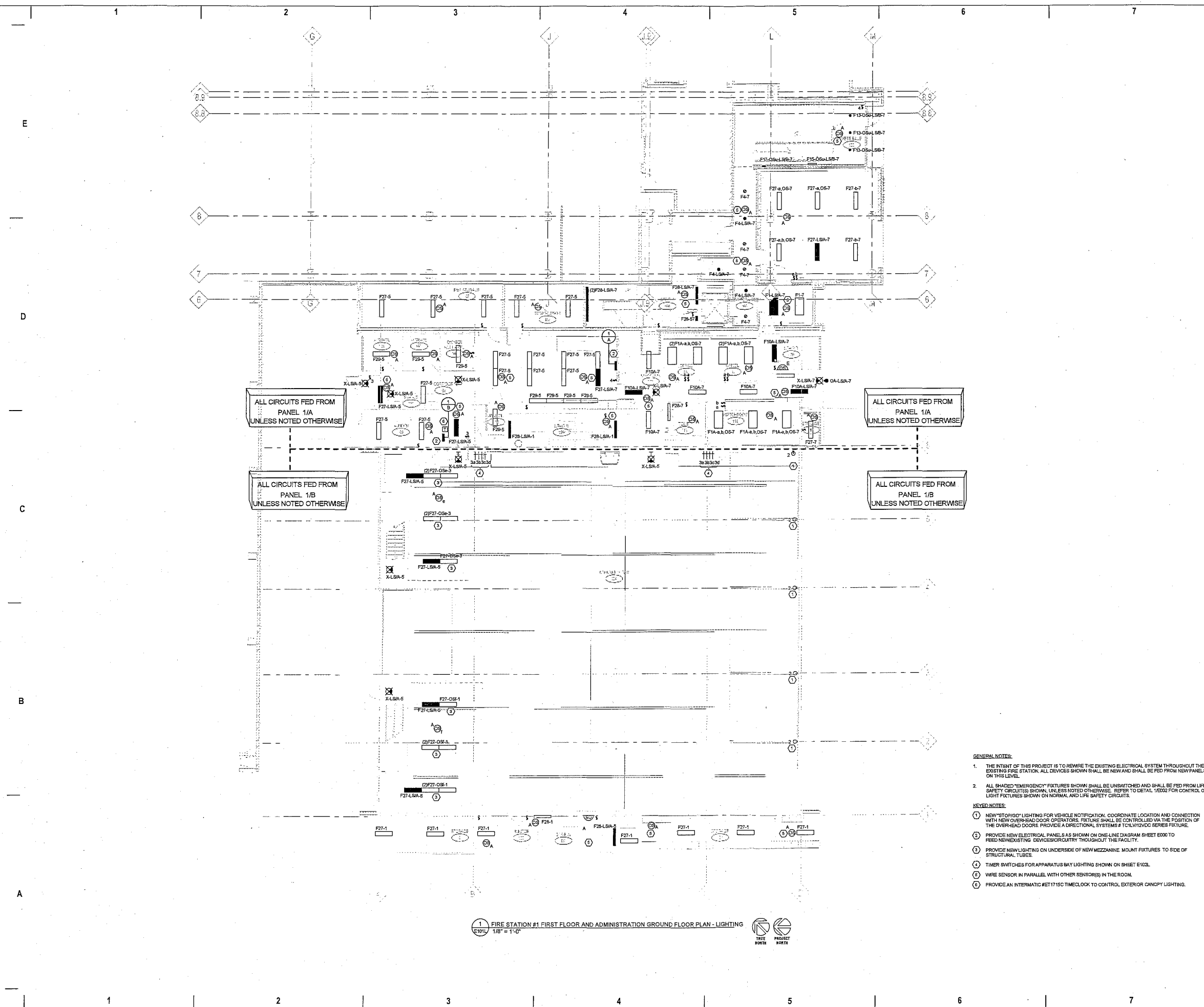


SHEET INFORMATION

PROJECT MANAGER
 PROJECT NUMBER 12149
 DATE 01/09/2015

FS#1 BASEMENT
 AND ADMIN LL PLAN
 - POWER/SYSTEMS

E100P



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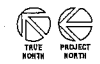
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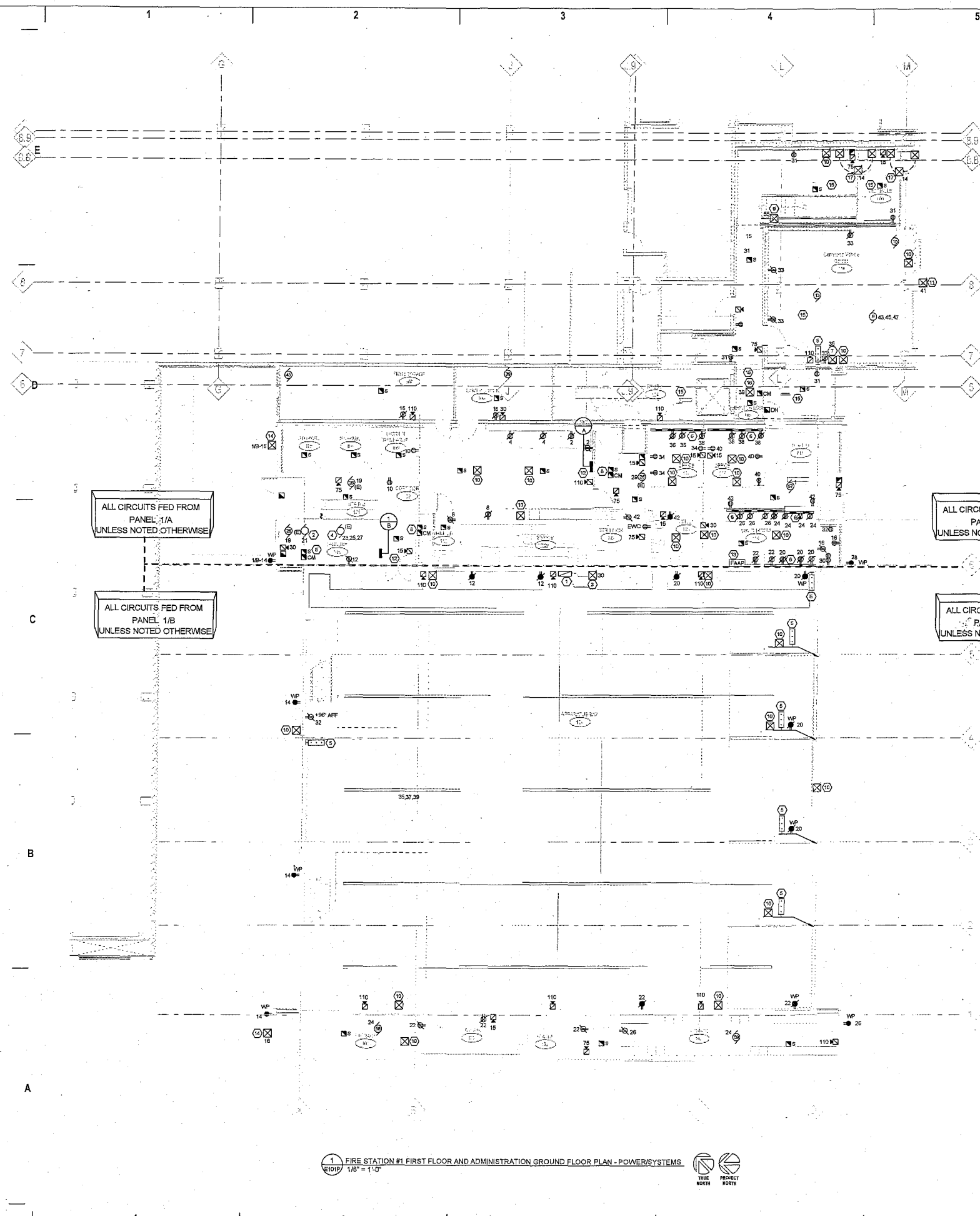
PROJECT MANAGER
PROJECT NUMBER 12149
DATE 01/09/2015
FS#1 1ST FLR AND ADMIN GROUND FLOOR PLAN - LIGHTING

E101L

- GENERAL NOTES:**
- THE INTENT OF THIS PROJECT IS TO REMOVE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - ALL SHADED "EMERGENCY" FIXTURES SHOWN SHALL BE UNSWITCHED AND SHALL BE FED FROM LIFE SAFETY CIRCUITS SHOWN, UNLESS NOTED OTHERWISE. REFER TO DETAIL 15000 FOR CONTROL OF LIGHT FIXTURES SHOWN ON NORMAL AND LIFE SAFETY CIRCUITS.
- KEYED NOTES:**
- NEW "STOP/GO" LIGHTING FOR VEHICLE NOTIFICATION. COORDINATE LOCATION AND CONNECTION WITH NEW OVERHEAD DOOR OPERATORS. FIXTURE SHALL BE CONTROLLED VIA THE POSITION OF THE OVERHEAD DOOR. PROVIDE A DIRECTIONAL SYSTEMS # TOLVIZOCC SERIES FIXTURE.
 - PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES OR COUNTRY THROUGHOUT THE FACILITY.
 - PROVIDE NEW LIGHTING ON UNDERSIDE OF NEW MEZZANINE. MOUNT FIXTURES TO SIDE OF STRUCTURAL TUBES.
 - TIMER SWITCHES FOR APPARATUS BAY LIGHTING SHOWN ON SHEET E102.
 - WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE ROOM.
 - PROVIDE AN INTERMATIC #ET1715C TIMECLOCK TO CONTROL EXTERIOR CANOPY LIGHTING.

1 FIRE STATION #1 FIRST FLOOR AND ADMINISTRATION GROUND FLOOR PLAN - LIGHTING
 1/8" = 1'-0"





1 FIRE STATION #1 FIRST FLOOR AND ADMINISTRATION GROUND FLOOR PLAN - POWER/SYSTEMS
 1/8" = 1'-0"



GENERAL NOTES:

1. THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
2. PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS SHOWN. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA VOICE, LOW VOLTAGE CABLING REQUIREMENTS.

KEYED NOTES:

- 1 LOCATE FOUR (4) DESTABILIZATION FAN SWITCHES AND SPEED CONTROLLERS AT THIS LOCATION. SWITCHES AND CONTROLLERS PROVIDED BY MECHANICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR. ALL WIRING TO FANS (SHOWN ON SHEET E101P), SWITCHES AND SPEED CONTROLLERS BY ELECTRICAL CONTRACTOR.
- 2 PROVIDE A 120V/20A/1P CONNECTION TO DRYER. FIELD VERIFY REQUIREMENTS WITH EXISTING EQUIPMENT.
- 3 EXISTING PLYMOVENT TEMPERATURE CONTROL PANEL TO REMAIN. REFEED PANEL AND EXISTING FAN (SHEET E205A) FROM NEW PANELS ON THIS LEVEL.
- 4 PROVIDE A 208V/20A/3P CONNECTION TO EXTRACTOR. FIELD VERIFY REQUIREMENTS WITH EXISTING EQUIPMENT.
- 5 NEW OVERHEAD DOOR CONTROLLER. PROVIDE ELECTRICAL CONNECTION AS REQUIRED.
- 6 PROVIDE A WIREMOLD #1400 SERIES DIVIDED SURFACE MOUNTED RACEWAY WITH DEVICES AS SHOWN. MOUNT WIREMOLD BENEATH COUNTERTOP PER DETAILS D4, D5 & D1A55.
- 7 PROVIDE A 120V MANUAL ON-OFF CONTROLLER FOR VEHICLE EXHAUST FAN VE1-1. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 8 PROVIDE FIRE ALARM CONTROL MIDDLE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
- 9 PROVIDE A 120V/20A/1P CONNECTION TO NEW BACKLIT SIGNAGE.
- 10 UNDO-STATION ALERTING SYSTEM EMERGENCY NOTIFICATION SYSTEM COMPONENT(S) TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENT(S) TO BE PROVIDED BY OWNER'S VENDOR. E.C. SHALL PROVIDE ROUGH-IN ONLY, CONSISTING OF BACK BOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL REQUIREMENTS WITH OWNER'S VENDOR PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUIT(S) ARE REQUIRED.
- 11 PROVIDE A RED FLASHING WARNING LIGHT, SAFETY LIGHTS AND SIGNALS #LEDN130A AC SERIES OR EQUAL, AT THIS LOCATION. WARNING LIGHT TO BE CONTROLLED BY OVERHEAD DOOR OPERATOR.
- 12 PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONLINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
- 13 NEW FIRE ALARM ANNUNCIATOR PANEL.
- 14 PROVIDE A 120V/20A/1P CONNECTION TO CCTV HOUSING. COORDINATE REQUIREMENTS WITH CCTV CONTRACTOR.
- 15 FIRE ALARM DEVICES IN THIS AREA SHALL BE PROVIDED AS PART OF THE ADJACENT OVATIONHOUSE PROJECT CURRENTLY UNDER CONSTRUCTION. ANY NOTIFICATION DEVICES SHALL BE PROVIDED IN THIS ROOM AND SHALL BE CONNECTED TO FIRE STATION PACP.
- 16 PROVIDE A 120V/20A/1P CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MIDDLE FOR CONTROL THRU FIRE ALARM SYSTEM.
- 17 PROVIDE A 120V/20A/1P CONNECTION TO ELECTRIC DOOR OPERATORS AND ASSOCIATED PUSHBUTTON CONTROLS. FIELD VERIFY EXACT REQUIREMENTS.



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PROJECT INFORMATION

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KEY PLAN



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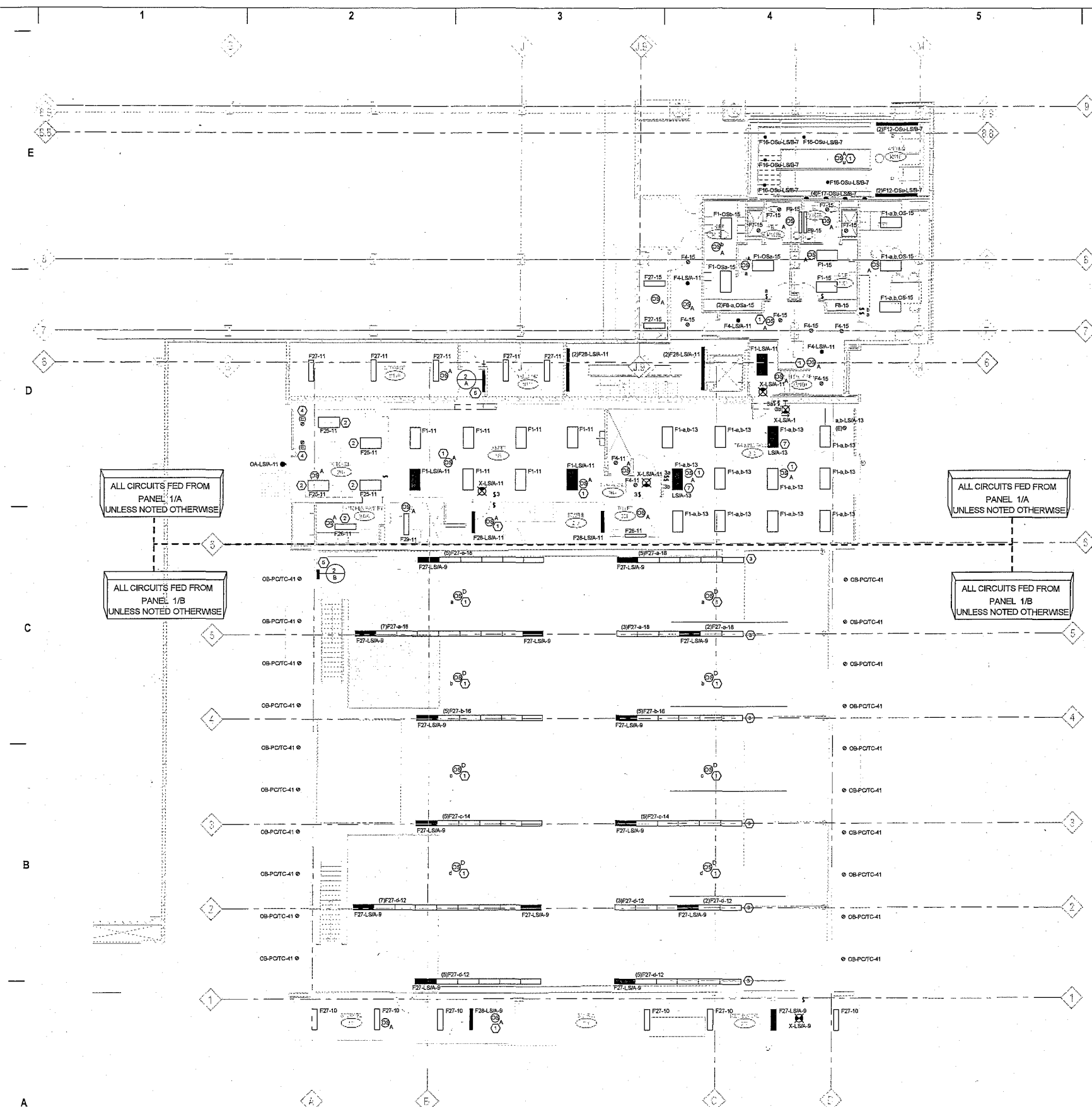
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PROJECT NUMBER 12149

DATE 01/09/2015

FS#1 1ST FLR AND
 ADMIN GROUND
 FLOOR PLAN -
 POWER/SYSTEMS

E101P



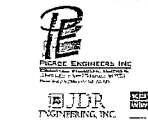
1 FIRE STATION #1 SECOND FLOOR AND ADMINISTRATION MEZZANINE LEVEL PLAN - LIGHTING
1/8" = 1'-0"



- GENERAL NOTES:**
1. THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 2. ALL CIRCUITS FED FROM PANEL "2A" UNLESS INDICATED OTHERWISE.
 3. ALL SHADED "EMERGENCY" FIXTURES SHOWN SHALL BE UNSWITCHED AND SHALL BE FED FROM LIFE SAFETY CIRCUITS SHOWN UNLESS NOTED OTHERWISE. REFER TO DETAIL 1600 FOR CONTROL OF LIGHT FIXTURES SHOWN ON NORMAL AND LIFE SAFETY CIRCUITS.
- KEY PLAN NOTES:**
1. WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE ROOM.
 2. PROVIDE SHAT-R-SHIELD LAMPS OR EQUIVALENT IN FIXTURE.
 3. TYPICAL FIXTURES IN APPARATUS BAY TO BE CONTROLLED BY OCCUPANCY SENSORS SHOWN ON THIS SHEET AND MANUAL SWITCHES SHOWN ON SHEET E101L.
 4. EXISTING HOOD MOUNTED LIGHT FIXTURE TO REMAIN. RE-CIRCUIT AS INDICATED. FIELD VERIFY ALL REQUIREMENTS.
 5. PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW/EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 6. PROVIDE AN INTERMATIC #K4223 PHOTOCELL TO CONTROL FRONT CANOPY LIGHTING. MOUNT PHOTOCELL ON BUILDING EXTERIOR AS HIGH AS POSSIBLE.
 7. PROVIDE A SCENE #0200A, OR EQUIVALENT, LIGHTING RELAY CONTROL DEVICE TO TRANSFER CONTROL/SOURCE FROM NORMAL TO LIFE SAFETY.



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FS#1 2ND FLR AND
 ADMIN MEZZ PLAN -
 LIGHTING

E102L



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KEY PLAN



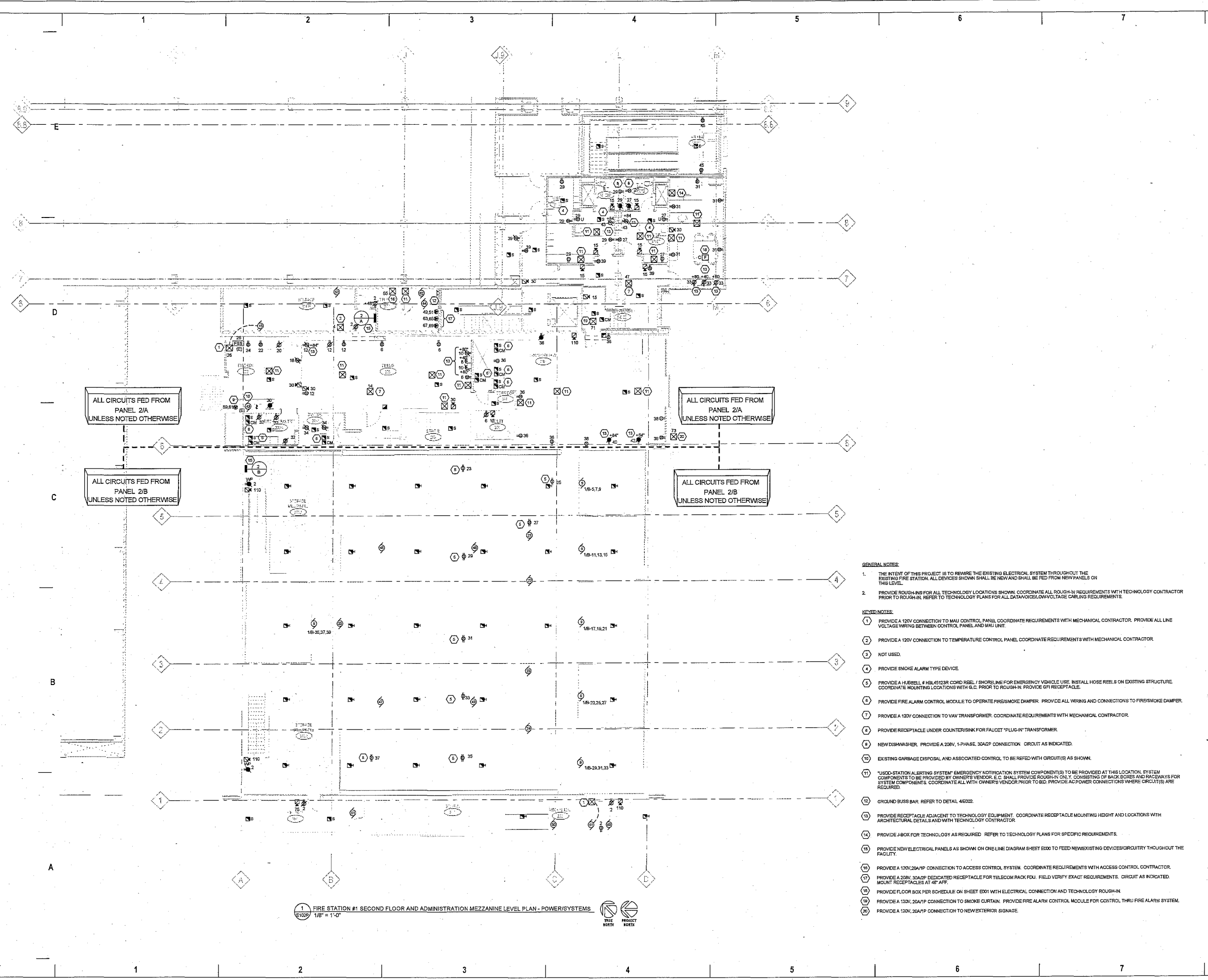
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FS#1 2ND FLR AND
 ADMIN MEZZ PLAN -
 POWER/SYSTEMS

E102P

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GENERAL NOTES:

- THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
- PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS SHOWN. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA VOICE LOW VOLTAGE CABLING REQUIREMENTS.

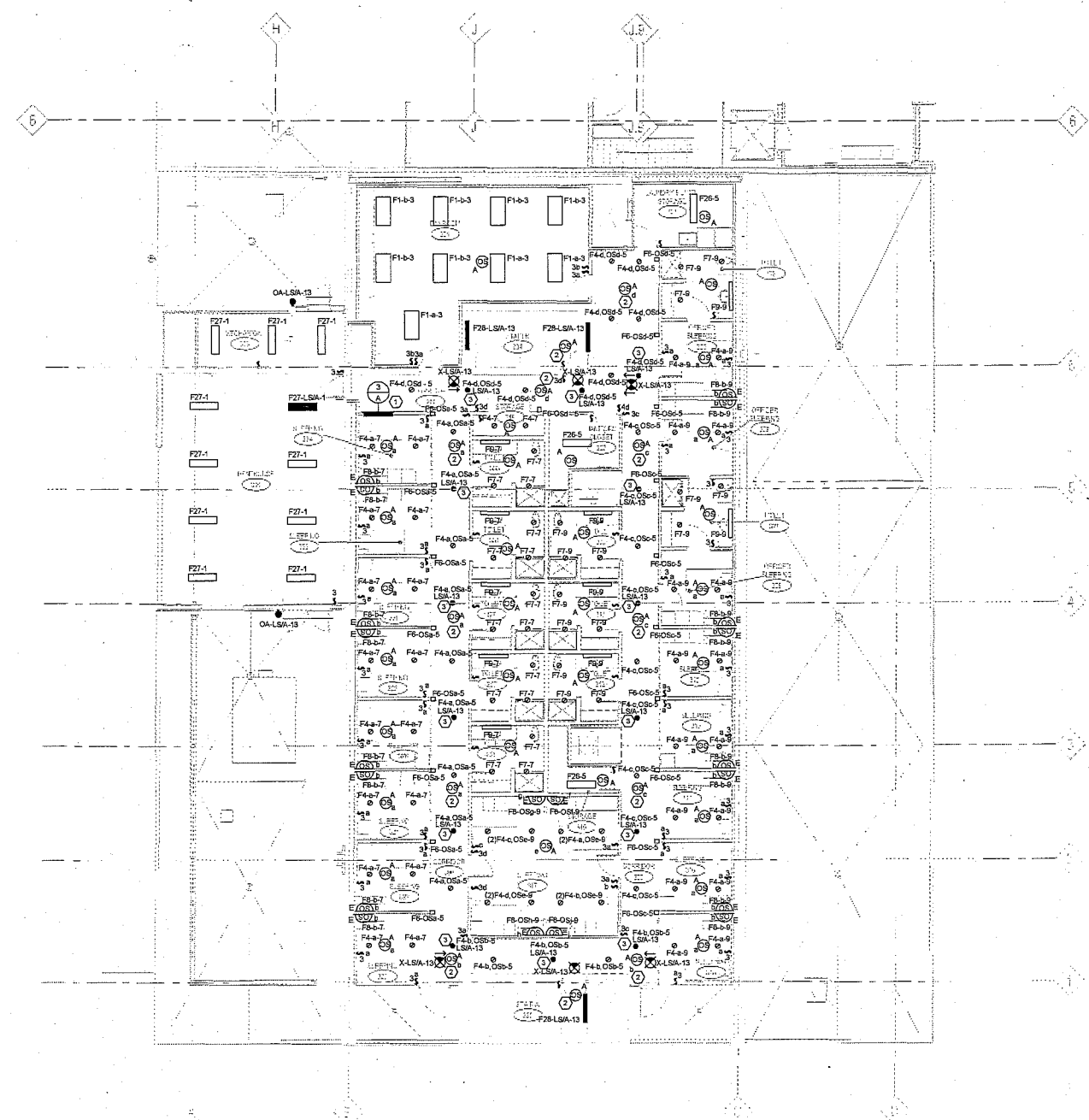
KEYED NOTES:

- PROVIDE A 120V CONNECTION TO MAU CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR. PROVIDE ALL LINE VOLTAGE WIRING BETWEEN CONTROL PANEL AND MAU UNIT.
- PROVIDE A 120V CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- NOT USED.
- PROVIDE SMOKE ALARM TYPE DEVICE.
- PROVIDE A HUBBELL # HBL45123R CORD REEL / SHORELINE FOR EMERGENCY VEHICLE USE. INSTALL HOSE REELS ON EXISTING STRUCTURE. COORDINATE MOUNTING LOCATIONS WITH G.C. PRIOR TO ROUGH-IN. PROVIDE GFI RECEPTACLE.
- PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
- PROVIDE A 120V CONNECTION TO VAV TRANSFORMER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- PROVIDE RECEPTACLE UNDER COUNTER/SINK FOR FAUCET "PLUS-IN" TRANSFORMER.
- NEW DISHWASHER. PROVIDE A 208V, 1-PHASE, 30A/2P CONNECTION. CIRCUIT AS INDICATED.
- EXISTING GARBAGE DISPOSAL AND ASSOCIATED CONTROL TO BE REFERRED WITH CIRCUIT(S) AS SHOWN.
- "JSDO STATION ALERTING SYSTEM" EMERGENCY NOTIFICATION SYSTEM COMPONENT(S) TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENT(S) TO BE PROVIDED BY OWNER'S VENDOR. E.C. SHALL PROVIDE ROUGH-IN ONLY, CONSISTING OF BACK BOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL WITH OWNER'S VENDOR PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUIT(S) ARE REQUIRED.
- GROUND BUSS BAR. REFER TO DETAIL 46002.
- PROVIDE RECEPTACLE ADJACENT TO TECHNOLOGY EQUIPMENT. COORDINATE RECEPTACLE MOUNTING HEIGHT AND LOCATIONS WITH ARCHITECTURAL DETAILS AND WITH TECHNOLOGY CONTRACTOR.
- PROVIDE J-BOX FOR TECHNOLOGY AS REQUIRED. REFER TO TECHNOLOGY PLANS FOR SPECIFIC REQUIREMENTS.
- PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
- PROVIDE A 120V, 20A/1P CONNECTION TO ACCESS CONTROL SYSTEM. COORDINATE REQUIREMENTS WITH ACCESS CONTROL CONTRACTOR.
- PROVIDE A 208V, 30A/2P DESIGNATED RECEPTACLE FOR TELECOM RACK PDU. FIELD VERIFY EXACT REQUIREMENTS. CIRCUIT AS INDICATED. MOUNT RECEPTACLES AT 48" AFF.
- PROVIDE FLOOR BOX PER SCHEDULE ON SHEET E001 WITH ELECTRICAL CONNECTION AND TECHNOLOGY ROUGH-IN.
- PROVIDE A 120V, 20A/1P CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
- PROVIDE A 120V, 20A/1P CONNECTION TO NEW EXTERIOR SIGNAGE.

1 FIRE STATION #1 SECOND FLOOR AND ADMINISTRATION MEZZANINE LEVEL PLAN - POWER/SYSTEMS
 E102P 1/8" = 1'-0"



E
D
C
B
A



1 FIRE STATION #1 THIRD FLOOR PLAN - LIGHTING
 1/8" = 1'-0"
 TRUE NORTH PROJECT NORTH

- GENERAL NOTES:**
- THE INTENT OF THIS PROJECT IS TO REMIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - ALL CIRCUITS FED FROM PANEL "3A" UNLESS INDICATED OTHERWISE.
 - ALL SHADED "EMERGENCY" FIXTURES SHOWN SHALL BE UNSWITCHED AND SHALL BE FED FROM LIFE SAFETY CIRCUITS SHOWN, UNLESS NOTED OTHERWISE. REFERENTIAL 10002 FOR CONTROL OF LIGHT FIXTURES SHOWN ON NORMAL AND LIFE SAFETY CIRCUITS.
- KEYED NOTES:**
- PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 - WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE ROOM.
 - PROVIDE A BODINE #GT200A, OR EQUIVALENT, LIGHTING RELAY CONTROL DEVICE TO TRANSFER CONTROL/SOURCE FROM NORMAL TO LIFE SAFETY.



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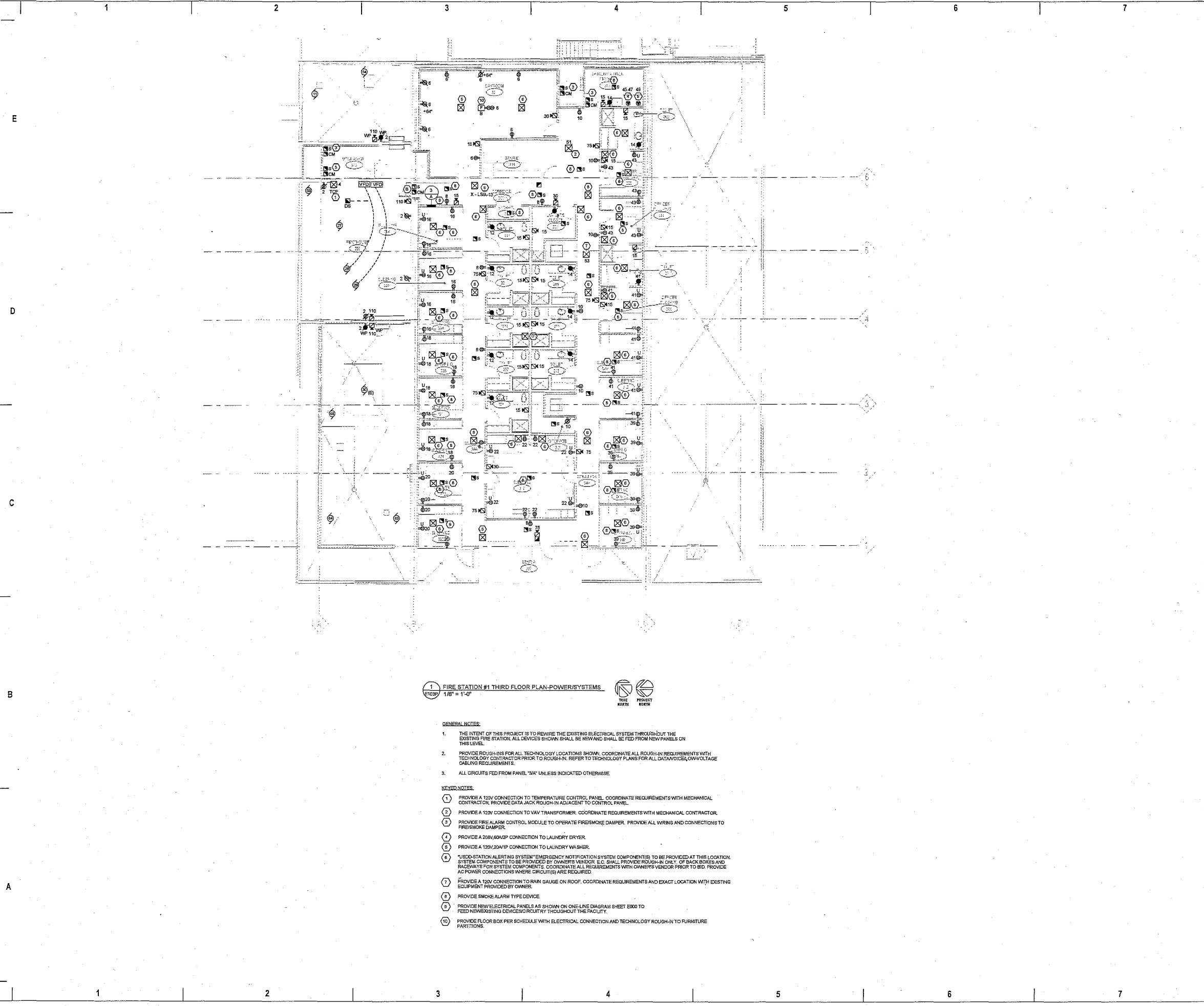


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FIRE STATION #1
 3RD FLOOR PLAN -
 LIGHTING

E103L



1 FIRE STATION #1 THIRD FLOOR PLAN-POWER/SYSTEMS
 1/8" = 1'-0"

- GENERAL NOTES:**
1. THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 2. PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS SHOWN. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA/VOICE/LOW VOLTAGE CABLEING REQUIREMENTS.
 3. ALL CIRCUITS FED FROM PANEL "VA" UNLESS INDICATED OTHERWISE.

- KEYED NOTES:**
- 1 PROVIDE A 120V CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR. PROVIDE DATA JACK ROUGH-IN ADJACENT TO CONTROL PANEL.
 - 2 PROVIDE A 120V CONNECTION TO VAV TRANSFORMER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - 3 PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
 - 4 PROVIDE A 208V/3Ø/1P CONNECTION TO LAUNDRY DRYER.
 - 5 PROVIDE A 120V/2Ø/1P CONNECTION TO LAUNDRY WASHER.
 - 6 *USDC-STATION ALERTING SYSTEM* EMERGENCY NOTIFICATION SYSTEM COMPONENT(S) TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENT(S) TO BE PROVIDED BY OWNER'S VENDOR. E.G. SHALL PROVIDE ROUGH-IN ONLY. OF BACKBOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL REQUIREMENTS WITH OWNER'S VENDOR PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUIT(S) ARE REQUIRED.
 - 7 PROVIDE A 120V CONNECTION TO RAIN GUAGE ON ROOF. COORDINATE REQUIREMENTS AND EXACT LOCATION WITH EXISTING EQUIPMENT PROVIDED BY OWNER.
 - 8 PROVIDE SMOKE ALARM TYPE DEVICE.
 - 9 PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E300 TO FEED NEW/EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 - 10 PROVIDE FLOOR BOX PER SCHEDULE WITH ELECTRICAL CONNECTION AND TECHNOLOGY ROUGH-IN TO FURNITURE PARTITIONS.



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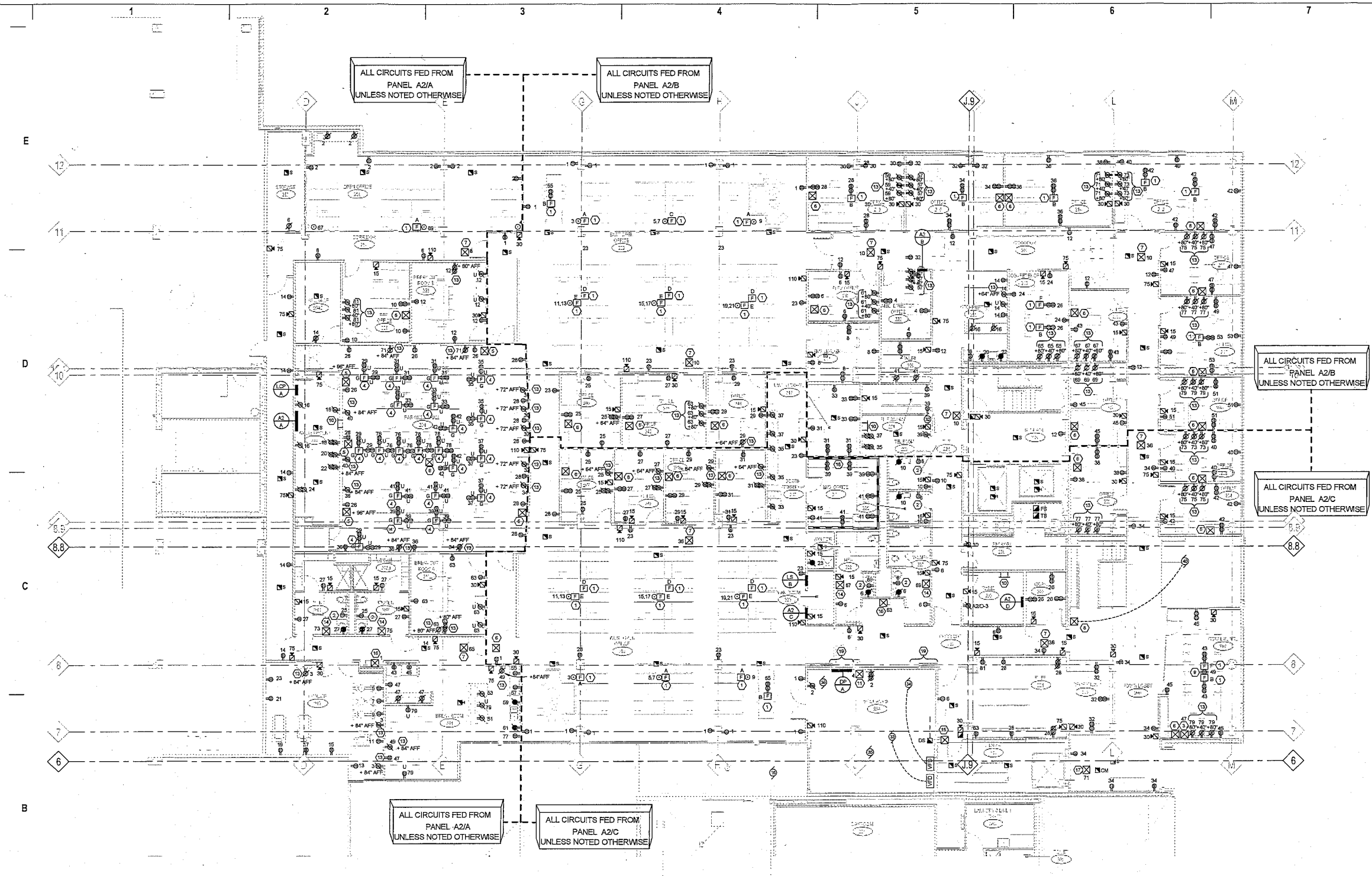


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**FIRE STATION #1
 3RD FLOOR PLAN -
 POWER/SYSTEMS**

E103P



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PROJECT MANAGER
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**ADMINISTRATION
 2ND FLOOR PLAN -
 POWER/SYSTEMS**

E104P

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1 ADMIN SECOND FLOOR PLAN-POWER/SYSTEMS
 E104P
 1/8" = 1'-0"
 TRUE PROJECT NORTH

GENERAL NOTES:

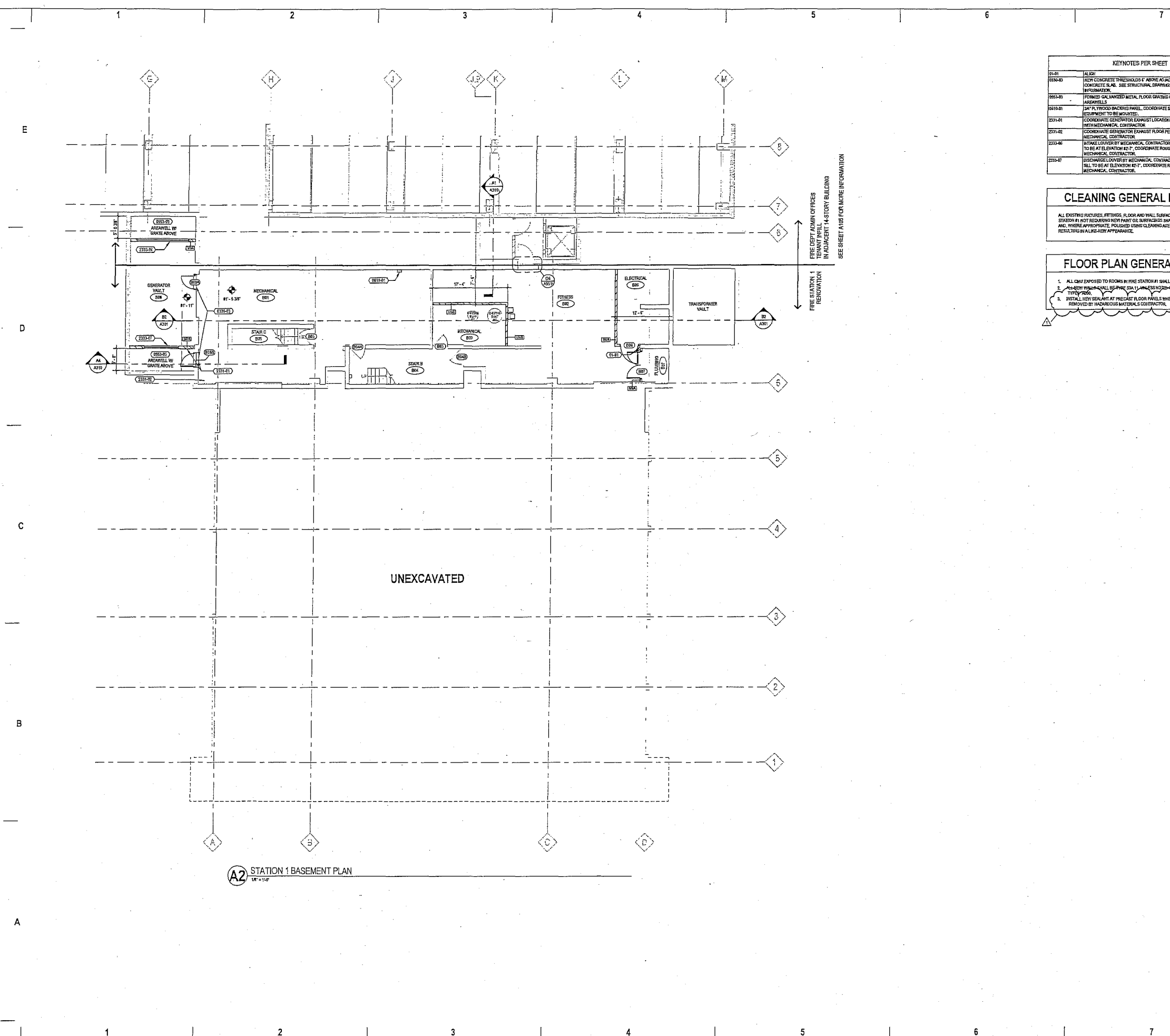
- REFER TO TELECOMMUNICATIONS PLANS FOR ALL DATA/VOICE/CABLING REQUIREMENTS. EC TO PROVIDE EMPTY BOXES AND RACEWAYS FOR ALL REQUIRED LOW VOLTAGE CABLING.
- ALL RECEPTACLES ON EXTERIOR WALLS SHALL BE MOUNTED AT 18" AFF TO TOP OF DEVICE.

KEYED NOTES:

- PROVIDE FLOOR BOX PER SCHEDULE ON SHEET E031 WITH ELECTRICAL CONNECTION AND TECHNOLOGY ROUGH-IN.
- PROVIDE RECEPTACLE UNDER COUNTER/SINK FOR FAUCET "PLUG-IN" TRANSFORMER.
- PROVIDE 120V, 20A/1P CONNECTION TO MOTORIZED PROJECTION SCREEN AND ASSOCIATED CONTROLS. COORDINATE CONTROL REQUIREMENTS AND PROVIDE WIRING AND RACEWAYS AS REQUIRED.
- ACCESS FLOOR MOUNTED FLOOR BOX SHALL BE PROVIDED/INSTALLED BY GC WITH ACCESS FLOOR. EC TO PROVIDE DEVICES & ROUGH-INS SHOWN WITHIN THE FLOOR BOX. COORDINATE ALL TELECOMMUNICATIONS REQUIREMENTS WITH TELECOMMUNICATIONS PLANS.
- WALL MOUNTED RECEPTACLE/JUNCTION BOX SHALL BE INSTALLED IN WALL AT MINIMUM UNOCCUPIED WALL PLATE HEIGHT WITHIN PARKING SHALL 254. REFER TO SHEET T200P FOR SPECIFIC REQUIREMENTS.
- PROVIDE J-BOX FOR TECHNOLOGY AS REQUIRED. REFER TO SHEET T202 FOR SPECIFIC REQUIREMENTS.
- PROVIDE A 120V CONNECTION TO VAV TRANSFORMER ABOVE CEILING. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.

- PROVIDE CONNECTION TO SPEED CONTROLLER, FAN, AND REVERSING POLE SWITCH. E.C. TO INSTALL SPEED CONTROLLER AND SWITCH, PROVIDED BY MECHANICAL CONTRACTOR.
- LOCATE DEVICE IN CEILING FOR PROJECTOR.
- GROUND BUSS BAR. REFER TO DETAIL 14000.
- PROVIDE A 120V CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- PROVIDE A 120V, 20A/1P CONNECTION TO BI-DIRECTIONAL AMPLIFIER (PROVIDED BY OWNER). COORDINATE REQUIREMENTS WITH AMPLIFIER SUPPLIER.
- PROVIDE RECEPTACLE ADJACENT TO TECHNOLOGY EQUIPMENT. COORDINATE RECEPTACLE MOUNTING HEIGHT AND LOCATIONS WITH ARCHITECTURAL, SET ALS AND TECHNOLOGY CONTRACTOR.
- PROVIDE A 120V, 20A/1P CONNECTION TO HAND DRYER. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER.
- PROVIDE RELAY FROM FIRE ALARM PANEL TO ACCESS CONTROL SYSTEM TO RELEASE DOOR UPON FIRE ALARM.
- PROVIDE A 120V, 20A/1P CONNECTION TO ELECTRIC WATER COOLER.
- PROVIDE A 120V, 20A/1P CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
- PROVIDE A WIREMOLD (B400) SERIES DIVICED SURFACE MOUNTED RACEWAY WITH DEVICES AS SHOWN. MOUNT WIREMOLD REVERSE TO CEILING TOP PER DETAIL D1000.
- FIELD VERIFY EXISTING CORE PENETRATIONS THROUGH 3-HOUR RATED WALL. COORDINATE USE OF THESE CORE PENETRATIONS WITH OVIATION BUILDING G.C.

ORIGINAL



(A2) STATION 1 BASEMENT PLAN
12-11-15

KEYNOTES PER SHEET

01-01	ALERT
0100-01	NEW CONCRETE THRESHOLDS 4" ABOVE ADJACENT GENERATOR VAULT (CONCRETE S/L). SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
0503-01	FORMED GALVANIZED METAL FLOOR GRATING OVER GENERATOR VAULT AND SHIELDS.
0510-01	3/4" PLYWOOD BACKING PANEL, COORDINATE SIZE AND LOCATION WITH EQUIPMENT TO BE MOUNTED.
2331-01	COORDINATE GENERATOR EXHAUST LOCATION AND WALL PENETRATIONS WITH MECHANICAL CONTRACTOR.
2331-02	COORDINATE GENERATOR EXHAUST FLOOR PENETRATION ABOVE WITH MECHANICAL CONTRACTOR.
2331-03	FRAME LOUVER BY MECHANICAL CONTRACTOR CENTERED BY CMU WALL. SILL TO BE AT ELEVATION 82'-7". COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.
2331-07	DISCHARGE LOUVER BY MECHANICAL CONTRACTOR CENTERED BY CMU WALL. SILL TO BE AT ELEVATION 82'-7". COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.

CLEANING GENERAL NOTE

ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING NEW PAINT OR SURFACING SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES

1. ALL CMU EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STACK BOND.
2. ALL NEW WIRING SHALL BE TYPE FMC-90 UNLESS OTHERWISE SPECIFIED. SEE WELLS TYPED 2006.
3. INSTALL HEAVY SEALANT AT PRECAST FLOOR PANELS WHERE EXISTING SEALANT WAS REMOVED BY HAZARDOUS MATERIALS CONTRACTOR.



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PROJECT INFORMATION
 Fire Station
 Administration Office
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 Station No. 1
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 Contract No. 6891

316 West Dayton St.
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ISSUANCE AND REVISIONS
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#	DATE	DESCRIPTION
1	09/20/15	ISSUE FOR BIDDING

KEY PLAN

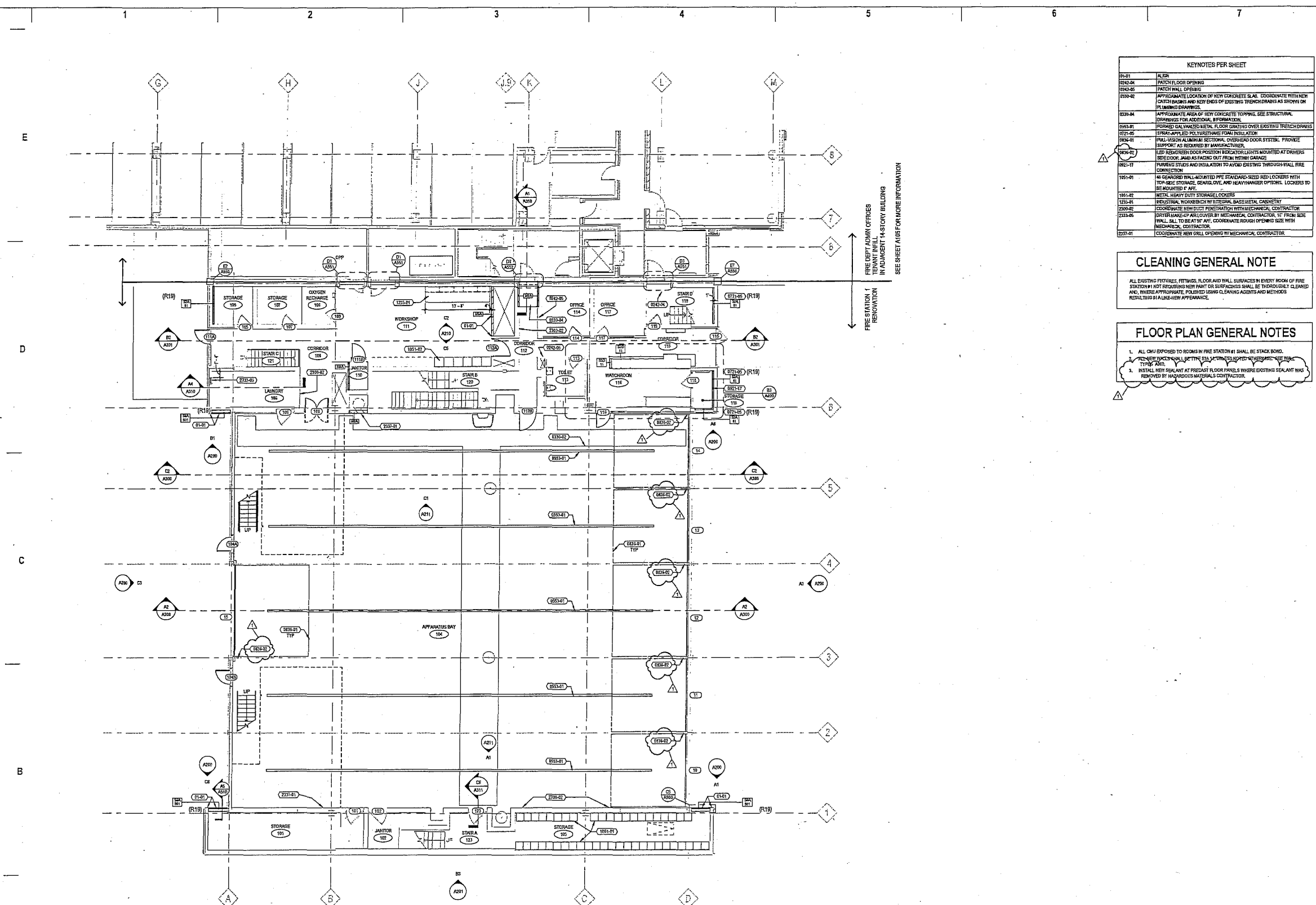


SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

**FIRE STATION 1
 BASEMENT FLOOR
 PLAN**

A100



KEYNOTES PER SHEET

0721-01	ALUMI
0724-04	PATCH FLOOR OPENING
1224-05	PATCH WALL OPENING
0730-02	APPROXIMATE LOCATION OF NEW CONCRETE SLAB. COORDINATE WITH NEW CATCH BASINS AND NEW ENDS OF EXISTING TRENCH DRAINS AS SHOWN ON THE LAYOUT DRAWINGS.
0320-04	APPROXIMATE AREA OF NEW CONCRETE TOPPING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
0203-01	FORMED GALVANIZED METAL FLOOR GRATING OVER EXISTING TRENCH DRAINS
0721-02	SPRAY-APPLIED POLYURETHANE FOAM INSULATION
0924-01	FULL-VISION ALUMINUM SECTIONAL OVERHEAD DOOR SYSTEM. PROVIDE SUPPORT AS REQUIRED BY MANUFACTURER.
0924-02	LED REDGREEN DOOR POSITION INDICATOR LIGHTS MOUNTED AT DRIVERS SIDE OF DOOR. JAMB AS FACING OUT FROM INTERIOR GARAGE.
0924-03	FURNISH STUDS AND INSULATION TO AVOID CRACKING THROUGH-WALL FIRE CONNECTION.
1021-01	AN REMOVED WALL-MOUNTED PIPE STANDARD-SIZED RED LOCKERS WITH TOP-SIDE STORAGE. GRANULAR AND HEAVY-HANDLER OPTIONS. LOCKERS TO BE MOUNTED 4' AFF.
1001-02	METAL HEAVY DUTY STORAGE LOCKERS
1224-05	RECTANGULAR WOODWORK BY INTEGRAL BASE METAL CABINETS
2009-02	COORDINATE NEW DUCT PENETRATION WITH MECHANICAL CONTRACTOR
2333-05	ORDER MAKE-UP AIR COVER BY MECHANICAL CONTRACTOR. 1" FROM SIDE WALL. ALL TO BE AT 10' AFF. COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.
0227-01	COORDINATE NEW DRILL OPENING WITH MECHANICAL CONTRACTOR.

CLEANING GENERAL NOTE

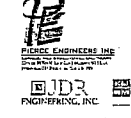
ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING NEW PAINT OR SHELFACING SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES

1. ALL CMU EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STACK BOND.
2. NEW INTERIOR WALLS SHALL BE 8" CMU OR EQUIVALENT. OTHER WALLS SHALL BE 4" CMU OR EQUIVALENT. SEE WALL TYPE AND FINISH SCHEDULE.
3. INSTALL NEW SEALANT AT PRECAST FLOOR PANELS WHERE EXISTING SEALANT WAS REMOVED BY MAINTENANCE MATERIALS CONTRACTOR.



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PROJECT INFORMATION

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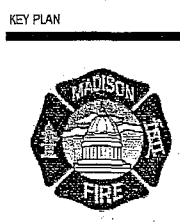
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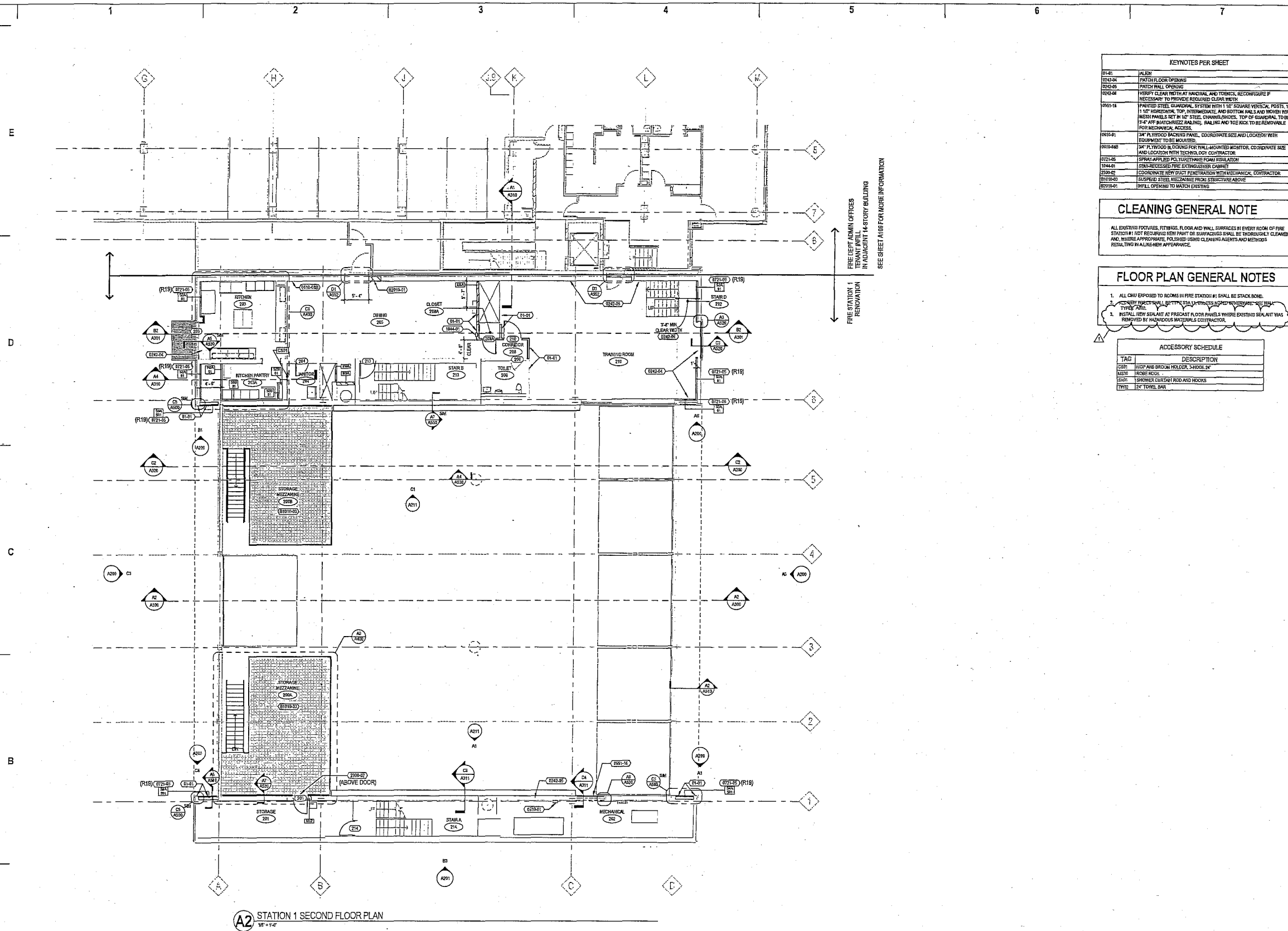
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1	01/09/2015	ADD/ISSUE 1



SHEET INFORMATION

PROJECT MANAGER CS
 PROJECT NUMBER 12149
 DATE 01/09/2015

FIRE STATION 1
 FIRST FLOOR PLAN
A101



KEYNOTES PER SHEET

0241	FLASH
0242-04	PATCH FLOOR OPENING
0242-05	PATCH WALL OPENING
0242-06	REMOVE CLEAN WITH AN ORIGINAL AND TECHNICAL BELONGINGS IF NECESSARY TO PROVIDE REQUIRED CLEAR WIDTH
0501-11	PAINTED STEEL GUARDRAIL SYSTEM WITH 1 1/2" SQUARE VERTICAL POSTS, TYP. 1 1/2" HORIZONTAL TOP, INTERMEDIATE, AND BOTTOM RAILS AND MOVABLE WIRE MESH PANELS SET IN 1/2" STEEL CHANNELS, TOP OF GUARDRAIL TO BE 34" AFF MATCHMEZZ RAILING, RAILING AND TOSACK TO BE REMOVABLE FOR MECHANICAL ACCESS
0510-01	3/4" PLYWOOD BACKING PANEL, COORDINATE SIZE AND LOCATION WITH EQUIPMENT TO BE INSTALLED
0510-02	3/4" PLYWOOD BACKING FOR WALL MOUNTED MONITOR, COORDINATE SIZE AND LOCATION WITH TECHNOLOGY CONTRACTOR
0721-05	SPRAC-APPLIED POLYURETHANE FOAM INSULATION
1044-01	FINISHES FOR FIRE EXTINGUISHER CABINET
2300-02	COORDINATE NEW DUCT PENETRATION WITH MECHANICAL CONTRACTOR
0101-03	SUSPEND STEEL MEZZANINE FROM STRUCTURE ABOVE
0201-04	INFILL OPENING TO MATCH EXISTING

CLEANING GENERAL NOTE

ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT RECORDED NEW PAINT OR SURFACES SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES

1. ALL CMU EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STACK BOND.
2. ALL NEW WORK SHALL BE SET IN 1/2" CONC. ON TOP OF EXISTING 2" CONC. TYPE 302.
3. INSTALL NEW SEALANT AT PRECAST FLOOR PANELS WHERE EXISTING SEALANT WAS REMOVED BY HAZARDOUS MATERIALS CONTRACTOR.

ACCESSORY SCHEDULE

TAG	DESCRIPTION
CS01	HUGO AND BROOM HOLDER, 3" HOOD, 24"
MS01	FIBRE ROLL
SH01	SHOWER CURTAIN ROD AND HOOKS
TW01	24" TOWEL BAR

FIRE DEPT ADMIN OFFICES
TENANT INFILL
IN ADJACENT 14-STORY BUILDING
SEE SHEET A101 FOR MORE INFORMATION

FIRE STATION 1
RENOVATION



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1	01/02/2015	ADDendum 1

KEY PLAN



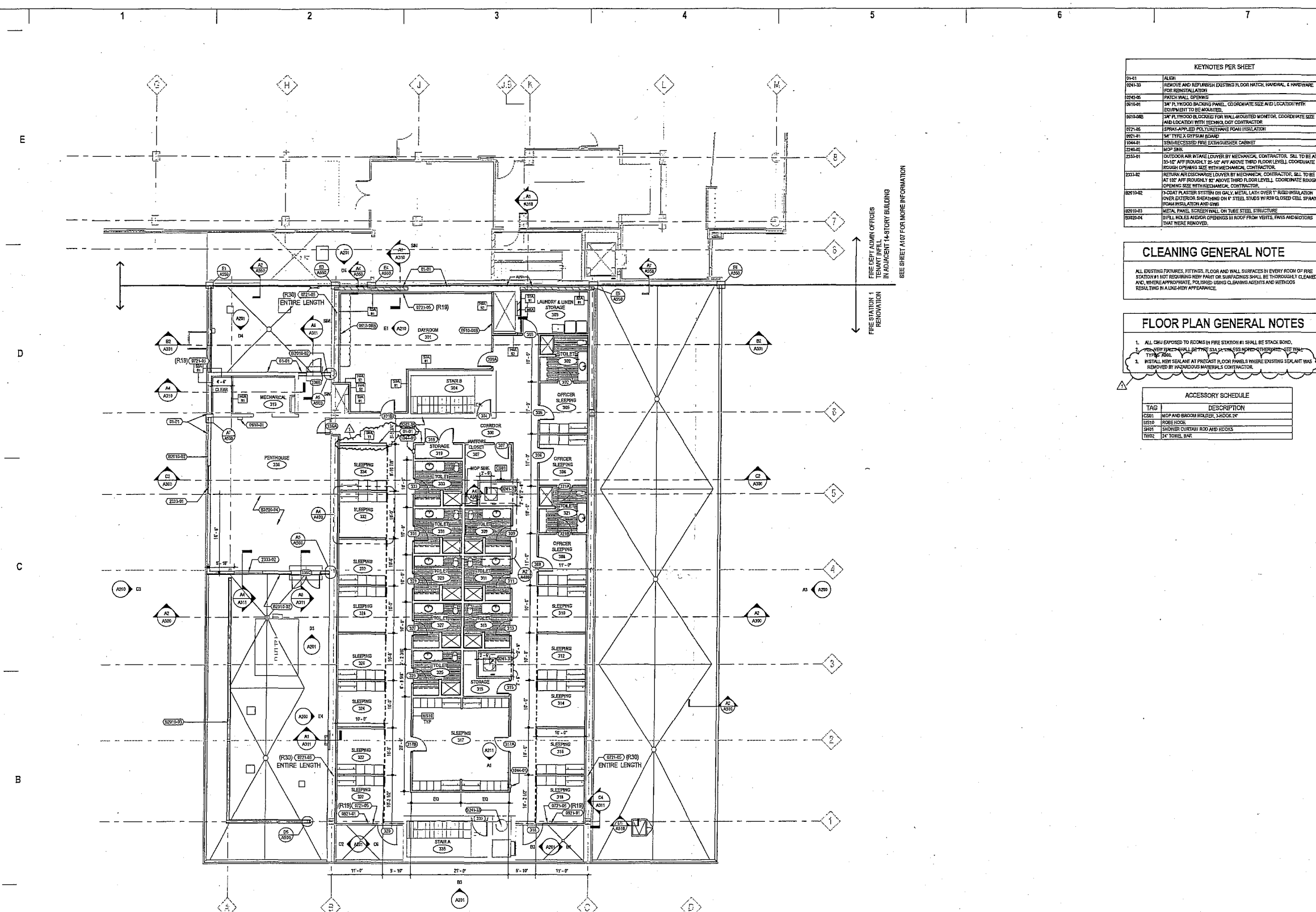
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PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

**FIRE STATION 1
SECOND FLOOR
PLAN**

A102

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A2 STATION 1 THIRD FLOOR PLAN
1/4" = 1'-0"

KEYNOTES PER SHEET	
02-41	ALUMI
02-41-33	REMOVE AND REFURNISH EXISTING FLOOR HATCH, HANDRAIL & HARDWARE FOR REINSTALLATION
02-42-05	PATCH WALL OPENING
0510-01	3/4" PLYWOOD BACKING PANEL, COORDINATE SIZE AND LOCATION WITH DESIGNER TO BE INSTALLED
0510-02	3/4" PLYWOOD BACKING FOR WALL-MOUNTED MONITOR, COORDINATE SIZE AND LOCATION WITH TECHNICAL CONTRACTOR
0721-05	SPRINKLER POLYURETHANE FOAM INSULATION
0921-01	1/2" TYPE X GYPSUM BOARD
1044-01	50# RECESSED FIRE EXTINGUISHER CABINET
2240-02	HOOP STRIP
2310-01	OUTDOOR AIR INTAKE DOOR BY MECHANICAL CONTRACTOR. SHALL BE AT 35'-0" AFF PROXIMATE 25'-0" AFF ABOVE THIRD FLOOR LEVEL. COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.
2310-02	RETURN AIR DISCHARGE DOOR BY MECHANICAL CONTRACTOR. SHALL BE AT 10' AFF PROXIMATE 10' AFF ABOVE THIRD FLOOR LEVEL. COORDINATE ROUGH OPENING SIZE WITH MECHANICAL CONTRACTOR.
2010-02	1/2" GYPSUM BOARD SYSTEM ON GALV. METAL LATH OVER 1" RIGID INSULATION OVER EXISTING SHEATHING ON 4" STEEL STUDS BY ROOF CLOSED CELL SPRAY FOAM INSULATION AND OVER
2010-03	METAL PANEL SCREEN WALL ON TUBE STEEL STRUCTURE
2320-04	DRILL HOLES AND/OR OPENINGS IN ROOF FROM VENTS, PANS AND DUCTS THAT WERE REMOVED

CLEANING GENERAL NOTE
ALL EXISTING FIXTURES, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION #1 NOT REQUIRING NEW PAINT OR SURFACES SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

FLOOR PLAN GENERAL NOTES
1. ALL CMU EXPOSED TO ROOMS IN FIRE STATION #1 SHALL BE STACK BOND.
2. NEW VENT PIPES SHALL BE TYPE 304 STAINLESS STEEL WITH 1/2" DIA. TYPE 304 GALV.
3. INSTALL NEW SEALANT AT PRECAST FLOOR PANELS WHERE EXISTING SEALANT WAS REMOVED BY MECHANICAL CONTRACTOR.

ACCESSORY SCHEDULE	
TAG	DESCRIPTION
CS01	HOOP AND BROOM HOLDER, 3/8" DIA. 24"
US10	ROBE HOOK
SH01	SHOWER CURTAIN ROD AND HOOKS
TW02	1/4" TOWEL BAR



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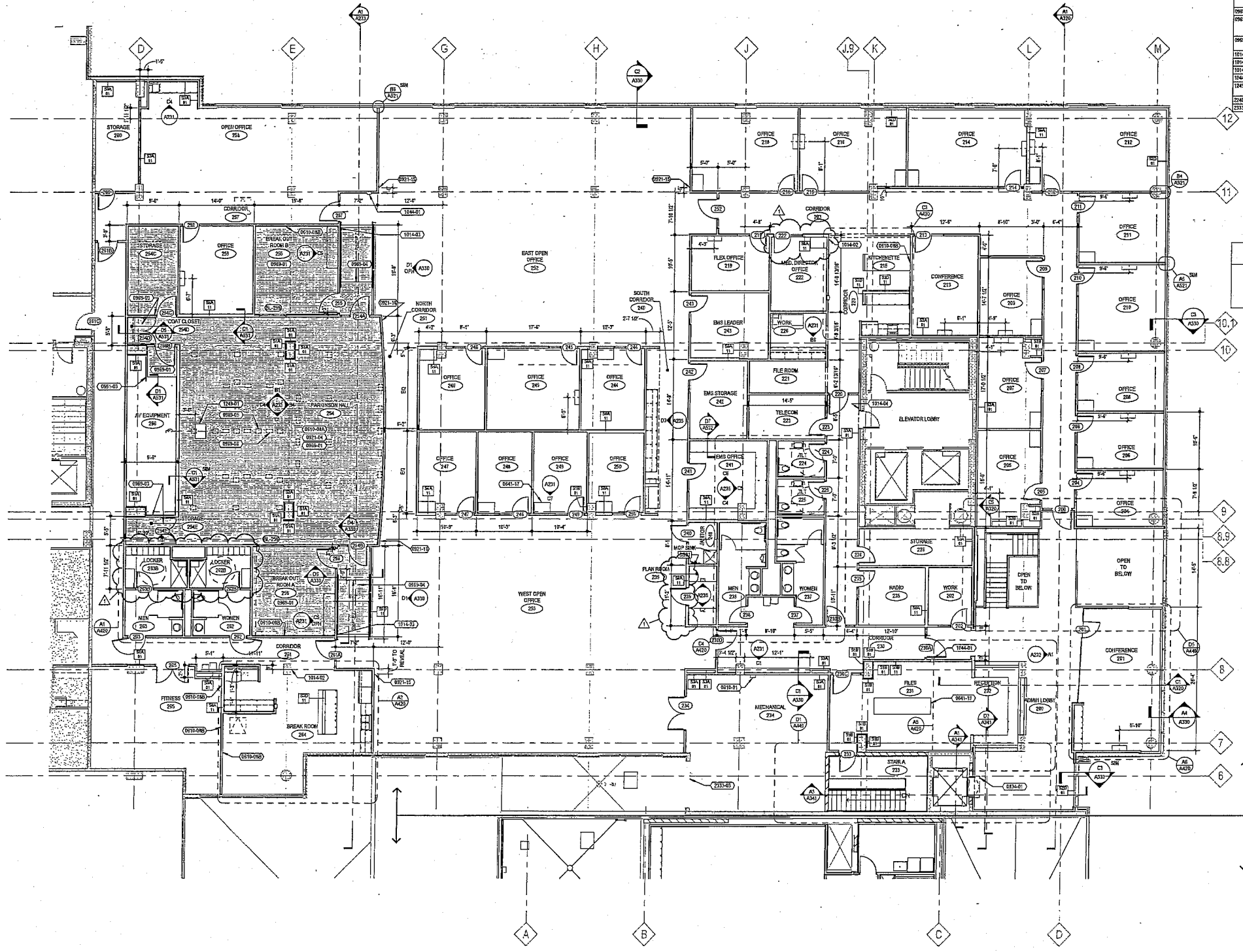
PROJECT MANAGER CG
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DATE 01/09/2015

**FIRE STATION 1
THIRD FLOOR AND
PENTHOUSE PLAN**

A103

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E
D
C
B
A



KEYNOTES PER SHEET	
0201-03	FLOOR-MOUNTED STEEL PIPE HANDRAIL
0210-01	3/4" PLYWOOD BACKED PANEL, COORDINATE SIZE AND LOCATION WITH EQUIPMENT TO BE MOUNTED.
0210-04A	PROVIDE CONTINUOUS 3/4" PLYWOOD SHEATHING FROM FINISH FLOOR THROUGH CO. INS. AT PARKSON HALL PERIMETER WALLS
0210-04B	3/4" PLYWOOD BLOCKING FOR WALL-MOUNTED MONITOR, COORDINATE SIZE AND LOCATION WITH TECHNOLOGY CONTRACTOR
0214-17	PLANNING CABINET, TYPICAL IN OFFICES 204, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400
0241-13	1/2" SOLID SURFACE WITH 1/8" EDGE, APPROXIMATELY 9" WIDE X 18" LONG, TO BE MOUNTED TO FILE CABINETS PROVIDED BY OWNER. COORDINATE EXACT SIZE WITH FILE CABINETS.
0242-01	ELEVATOR DOOR SMOKE CONTAINMENT SYSTEM
0242-04	PROVIDE CONTINUOUS ACoustIC SEAL AT JUNCTION FROM FLOOR STRUCTURE TO CEILING ABOVE IN STUD. SPACE OF PARKSON HALL PERIMETER WALLS
0242-15	1/2" GYPSUM BOARD REVEAL, TO RUN VERTICALLY FULL HEIGHT OF WALL
0242-16	1/2" GYPSUM BOARD REVEAL, FOR NICI TO TERMINATE
0242-21	17'-0" RAMP ACCESS FLOORING SYSTEM (SHARED AREA)
0242-23	SURFACE-MOUNTED PARTITION, WALL TO BE MOUNTED TO RAMP ACCESS FLOORING SYSTEM. SEE DETAIL E240231
0242-24	RAMP ACCESS FLOORING SYSTEM RAMP
0242-25	RAMP ACCESS FLOORING (FOR R-300P-40) FOR POWER AND DATA CONNECTIONS (TYP. OF 6). COORDINATE FINAL LOCATIONS WITH ELECTRICAL AND TECHNOLOGY CONTRACTORS.
0242-26	RAMP ACCESS BRUSHED ALUMINUM (TYP. OF 18). COORDINATE FINAL LOCATIONS WITH TECHNOLOGY CONTRACTORS.
0242-27	WALL-MOUNTED 22 SIGN, SEE SIGNAGE FOR SIGN TYPES
0242-28	WALL-MOUNTED 24 SIGN, SEE SIGNAGE FOR SIGN TYPES
0242-29	ESB-ACCESSIBLE FIRE EXTINGUISHER CHARGES
0242-30	CUSTOM LECTERN - MARSHALL FURNITURE PRODUCTS, INC. MODEL, MFR. INFORMATION P. 42. WELLSBORO LAMINATE FINISH. VARIETY HEIGHTS. MATTE.
0242-32	NOF FINE
0242-33	EXISTING HINGE/DOOR

ACCESSORY SCHEDULE	
TAG	DESCRIPTION
CS01	100% ANTI-BROOD HOLDER, 2400X24
GS02	1/2" VERT GRAB BAR
GS03	3/4" HORIZ GRAB BAR
GS04	1/2" HORIZ GRAB BAR
MS01	HYPO DRINK
MS02	ROSEWOOD
NR01	SURFACE-MOUNT NARROW DISPOSAL
SS01	SHOWER CURTAIN RING AND HOOKS
SH01	HOLDING SHOWER SEAT
TY02	1/2" TOWEL BAR

FLOOR PLAN GENERAL NOTES

- ALL NEW WALLS SHALL BE TYPE 20A 11, UNLESS NOTED OTHERWISE, SEE WALL TYPES AND.
- PROVIDE CEILING WALLBOARD FOR THE INTERIOR SIDE OF THE 303 W. JOHNSON EXTERIOR WALLS. CAVITY INSULATION IN THOSE EXTERIOR WALLS TO BE PROVIDED BY THE GENERAL CONTRACTOR FOR 303 W. JOHNSON.

A2 FIRE ADMIN SECOND FLOOR PLAN
1/8" = 1'-0"



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PROJECT INFORMATION
Fire Station
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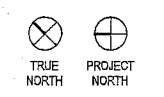
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1	01/09/2015	ISSUANCE

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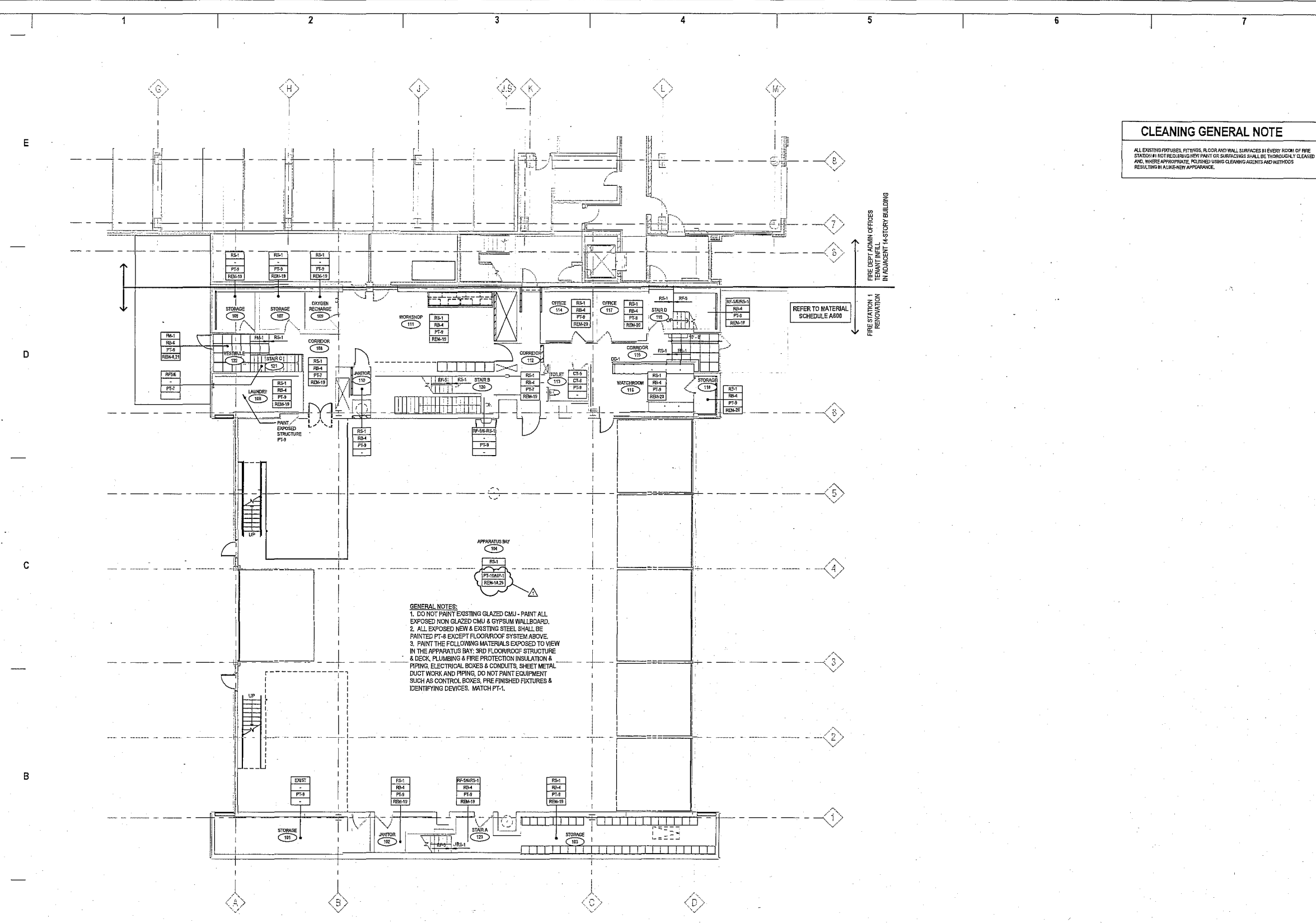


SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

FIRE ADMIN SECOND FLOOR PLAN

A107



CLEANING GENERAL NOTE

ALL EXISTING PARTS, FITTINGS, FLOOR AND WALL SURFACES IN EVERY ROOM OF FIRE STATION 1 NOT REQUIRING REPAIR OR SURFACING SHALL BE THOROUGHLY CLEANED AND, WHERE APPROPRIATE, POLISHED USING CLEANING AGENTS AND METHODS RESULTING IN A LIKE-NEW APPEARANCE.

GENERAL NOTES:

- DO NOT PAINT EXISTING GLAZED CMU - PAINT ALL EXPOSED NON GLAZED CMU & GYPSUM WALLBOARD.
- ALL EXPOSED NEW & EXISTING STEEL SHALL BE PAINTED PT-8 EXCEPT FLOORROOF SYSTEM ABOVE.
- PAINT THE FOLLOWING MATERIALS EXPOSED TO VIEW IN THE APPARATUS BAY: 3RD FLOORROOF STRUCTURE & DECK, PLUMBING & FIRE PROTECTION INSULATION & PIPING, ELECTRICAL BOXES & CONDUITS, SHEET METAL DUCT WORK, AND PIPING. DO NOT PAINT EQUIPMENT SUCH AS CONTROL BOXES, FIRE FINISHED FIXTURES & IDENTIFYING DEVICES. MATCH PT-1.

A2 STATION 1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"



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1	01/09/2015	ACCORDING TO 1

KEY PLAN

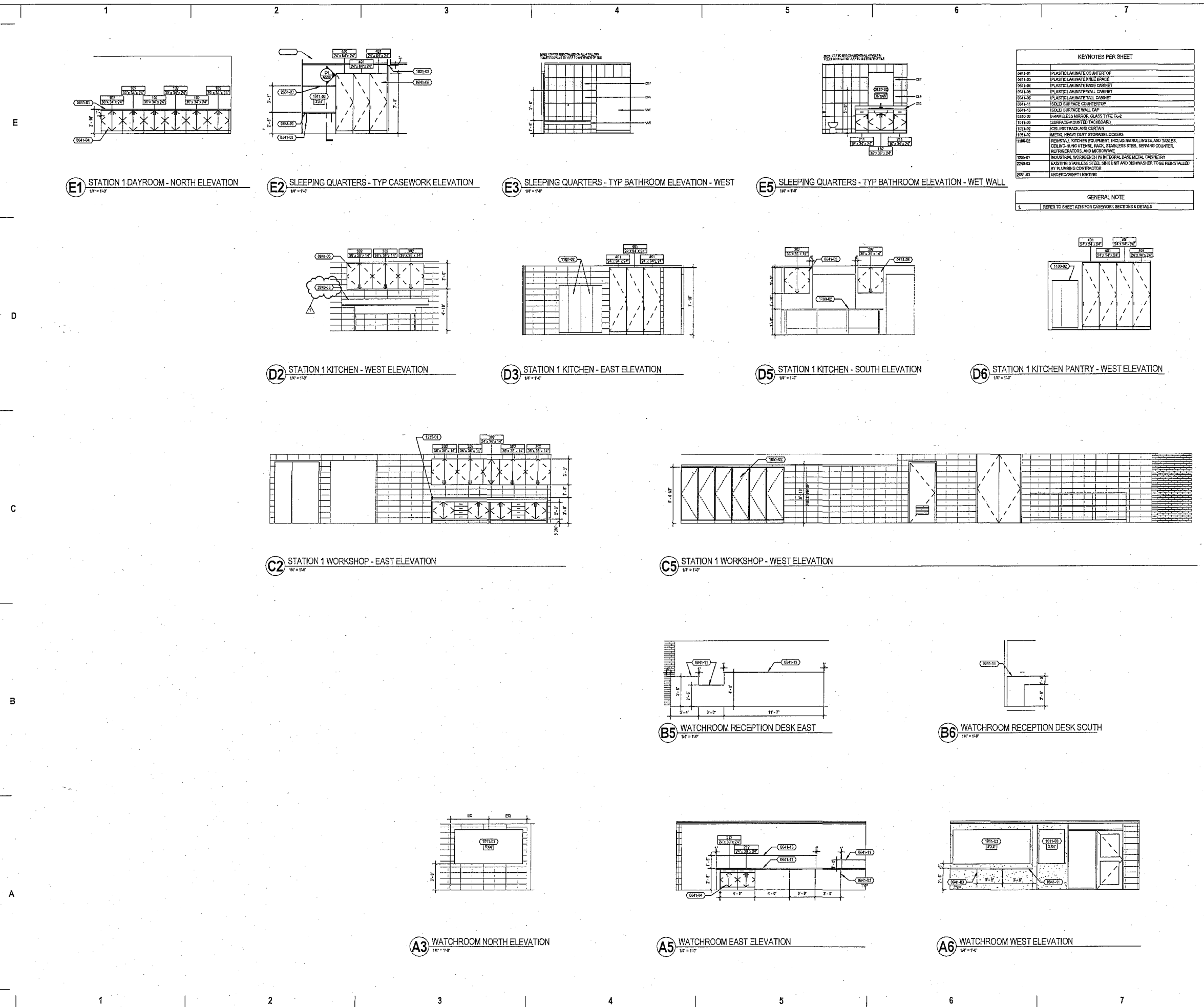


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PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

**FIRE STATION 1
FIRST FLOOR FINISH
PLAN**

A121



KEYNOTES PER SHEET	
0041-01	PLASTIC LAMINATE COUNTERTOP
0041-02	PLASTIC LAMINATE WIRE GRACE
0041-04	PLASTIC LAMINATE BASE CABINET
0041-05	PLASTIC LAMINATE WALL CABINET
0041-06	PLASTIC LAMINATE WALL CABINET
0041-11	SOLID SURFACE COUNTERTOP
0041-13	SOLID SURFACE WALL CAP
0040-03	FRAMELESS MIRROR, GLASS TYPE GL-2
1011-03	SURFACE MOUNTED TACKBOARD
1021-02	CEILING TRACKS AND CURTAINS
1091-02	METAL HEAVY DUTY STORAGE LOCKERS
1190-02	RECREATIONAL KITCHEN EQUIPMENT, INCLUDING ROLLING ISLAND TABLES, CEILING MOUNTED UTENSIL HOOK, STAINLESS STEEL SERVING COUNTER, REFRIGERATORS, AND MICROWAVE
1731-01	INDUSTRIAL WOODBENCH WITH METAL BASE, METAL COUNTERTOP
2240-03	EXISTING STAINLESS STEEL SINK UNIT AND DISHWASHER TO BE REINSTALLED BY PLUMBING CONTRACTOR
2501-03	UNDERCABINET LIGHTING

GENERAL NOTE	
1.	REFER TO SHEET A204 FOR CASEWORK SECTIONS & DETAILS



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KEY PLAN

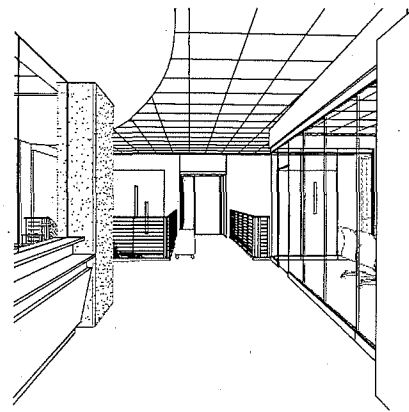


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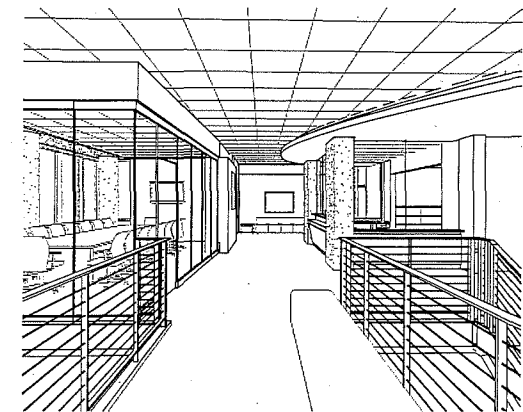
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FIRE STATION 1
 INTERIOR
 ELEVATIONS

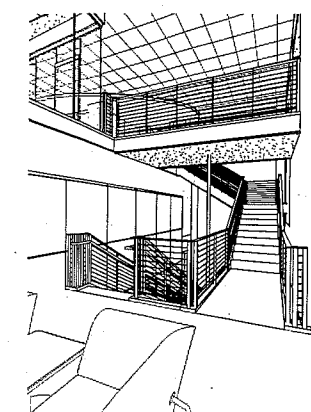
A210



D1 PERSPECTIVE 1 - ADMIN LOBBY 200



D3 PERSPECTIVE 2 - ADMIN LOBBY 200



D5 PERSPECTIVE - LANDING M110

KEYNOTES PER SHEET	
0041-01	PLASTIC LAMINATE COUNTERTOP
0041-02	PLASTIC LAMINATE KNEE BRACE
0041-04	PLASTIC LAMINATE BASE CABINET
0041-05	PLASTIC LAMINATE TALL CABINET
0041-08	PLASTIC LAMINATE PANEL
0041-11	SOLID SURFACE COUNTERTOP
0041-12	SOLID SURFACE COUNTERTOP WITH BACKSPLASH
0041-41	1/2" FRAMING LAMINATED SECURITY GLAZING
1021-02	METAL WARDROBE LOCKERS
1021-04	ACCESSIBLE BENCH
C200-00	CONTINUOUS EXPANDED BOARD LIGHT COVE

GENERAL NOTE	
1.	REFER TO SHEET A20 FOR CASEWORK SECTIONS & DETAILS



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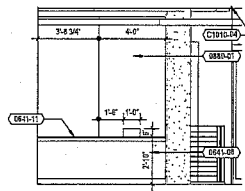
PROJECT INFORMATION
 Fire Station
 Administration Office
 Building and Fire
 Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

316 West Dayton St.
 Madison, WI 53703

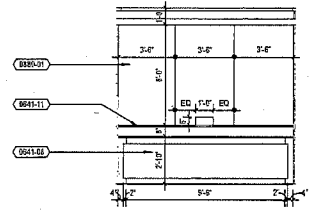
ISSUANCE AND REVISIONS
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REVISIONS

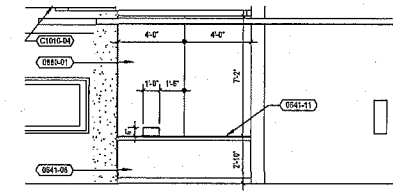
#	DATE	DESCRIPTION
1	01/09/2015	ACCORDING



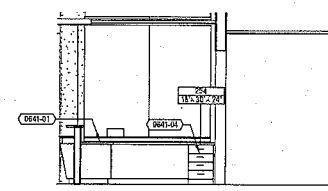
C1 ADMIN LOBBY 200 - EAST ELEVATION
1/4" = 1'-0"



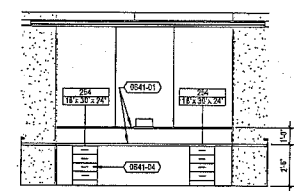
C2 ADMIN LOBBY 200 - NORTH ELEVATION
1/4" = 1'-0"



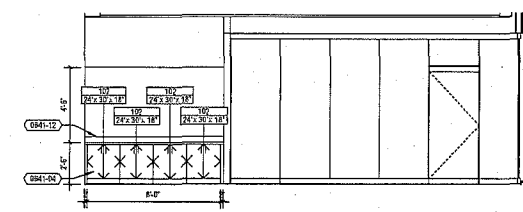
C3 ADMIN RECEPTION - EAST ELEVATION
1/4" = 1'-0"



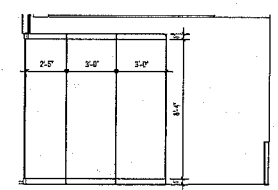
C5 FILES 231 & RECEPTION 232 - SOUTH ELEVATION
1/4" = 1'-0"



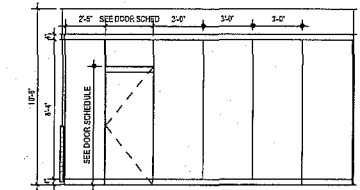
C7 RECEPTION 232 - EAST ELEVATION
1/4" = 1'-0"



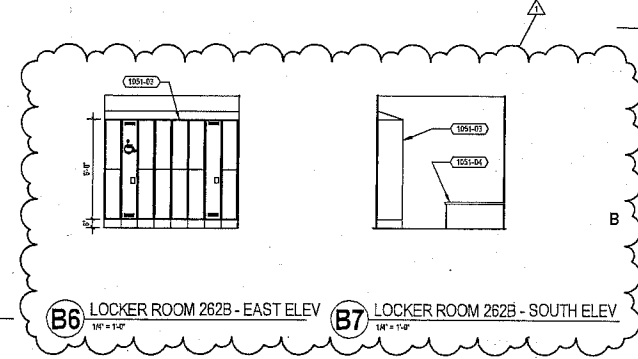
B2 CONFERENCE 201 - NORTH ELEV
1/4" = 1'-0"



B4 CONFERENCE 201 - EAST ELEV
1/4" = 1'-0"



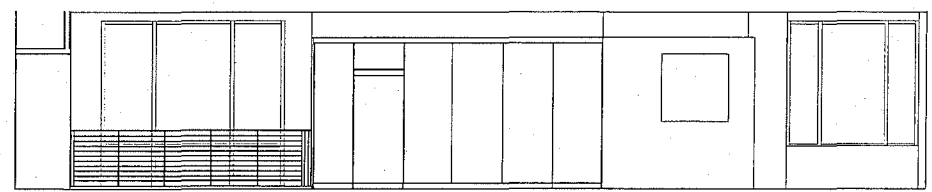
B5 CONFERENCE 201 - NORTH GLASS WALL
1/4" = 1'-0"



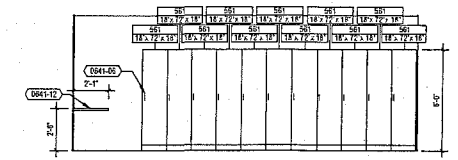
B6 LOCKER ROOM 262B - EAST ELEV
1/4" = 1'-0"

B7 LOCKER ROOM 262B - SOUTH ELEV
1/4" = 1'-0"

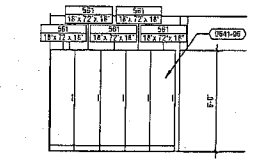
KEY PLAN



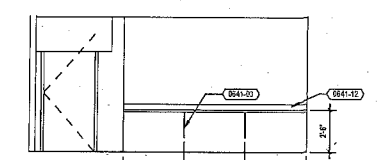
A1 RECEPTION CORRIDOR - SOUTH ELEVATION
1/4" = 1'-0"



A4 CHIEF M108 - NORTH ELEVATION
1/4" = 1'-0"



A5 CHIEF M108 - SOUTH ELEV
1/4" = 1'-0"



A6 CHIEF M108 - WEST ELEVATION
1/4" = 1'-0"

SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

FIRE ADMIN
 INTERIOR
 ELEVATIONS

A232

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1 2 3 4 5 6 7

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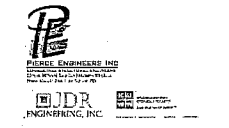
A

KEYNOTES PER SHEET	
0841-01	PLASTIC LAMINATE COUNTERTOP
0841-03	PLASTIC LAMINATE WALL BRACE
0841-04	PLASTIC LAMINATE BASE CABINET
0841-05	PLASTIC LAMINATE WALL CABINET
0841-06	PLASTIC LAMINATE TALL CABINET
0841-12	SOLID SURFACE COUNTERTOP WITH BACKSPLASH
0841-43	FRAMESLESS MIRROR GLASS TYPE GLUF
1102-01	TOILET COMPARTMENT

GENERAL NOTE	
1.	REFER TO SHEET A236 FOR CASEWORK, SECTIONS & DETAILS.



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PROJECT INFORMATION
 Fire Station
 Administration Office
 Building and Fire
 Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

316 West Dayton St.
 Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
1	04/09/2015	ISSUANCE

KEY PLAN



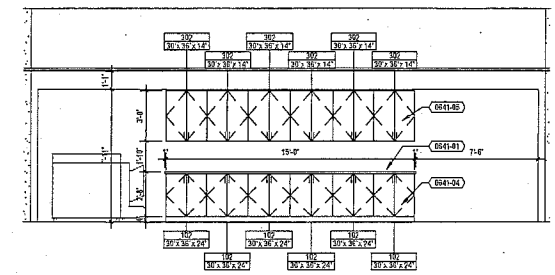
SHEET INFORMATION

PROJECT MANAGER	CG
PROJECT NUMBER	12149
DATE	01/09/2015

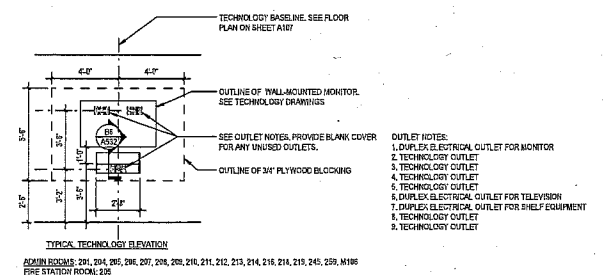
**FIRE ADMIN
 INTERIOR
 ELEVATIONS**

A235

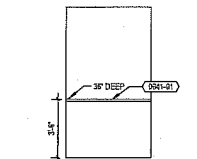
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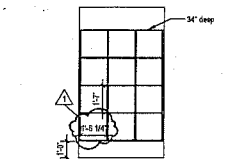
D3 OPEN OFFICE - SOUTH CORRIDOR - NORTH ELEVATION
 1/4" = 1'-0"



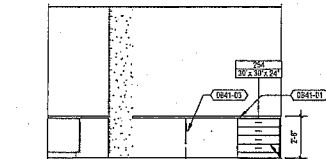
D5 TECHNOLOGY SHELF INTERIOR ELEVATION
 1/4" = 1'-0"



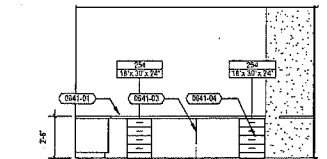
C2 PLAN ROOM - WEST
 1/4" = 1'-0"



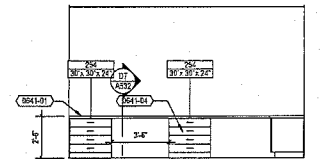
C3 PLAN ROOM - EAST
 1/4" = 1'-0"



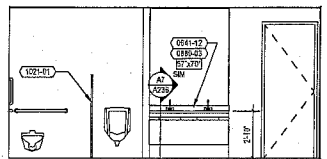
C4 EMS OFFICE 241 - WEST ELEVATION
 1/4" = 1'-0"



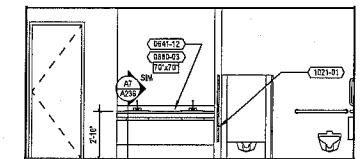
C5 EMS OFFICE 241 - SOUTH ELEVATIONS
 1/4" = 1'-0"



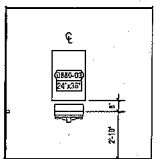
C6 EMS OFFICE 241 - EAST ELEVATIONS
 1/4" = 1'-0"



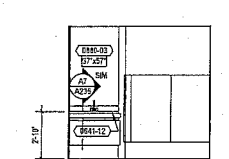
B2 MEN 238 - SOUTH ELEVATION
 1/4" = 1'-0"



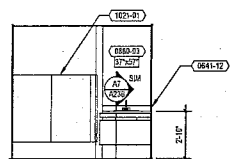
B3 WOMEN 237 - NORTH ELEVATION
 1/4" = 1'-0"



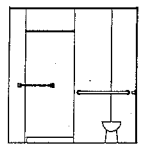
B5 TLT 224 & 225 - NORTH ELEVATION
 1/4" = 1'-0"



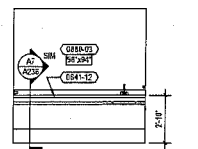
B6 WOMEN 262 - NORTH ELEVATION
 1/4" = 1'-0"



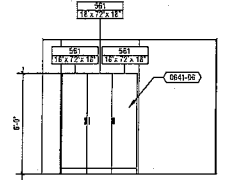
B7 MEN 263 - SOUTH ELEVATION
 1/4" = 1'-0"



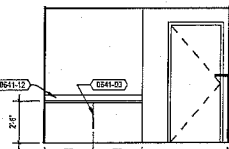
A4 TLT M108B - NORTH ELEV
 1/4" = 1'-0"



A5 TLT M108B - SOUTH ELEV
 1/4" = 1'-0"



A6 AIDE 107 - NORTH ELEV
 1/4" = 1'-0"



A7 AIDE 107 - WEST ELEV
 1/4" = 1'-0"

1 2 3 4 5 6 7

E
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C
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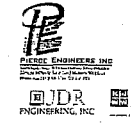
1 2 3 4 5 6 7

KEYNOTES PER SHEET	
0240-04	PATCH FLOOR OPENING
0250-14	WRAP JAMB WITH 16 GA. TYP. STAINLESS STEEL SHEET (41 BRUSH POLISH)
0411-05	FRAM WALL BASE TO 4'-0" AFF
0411-05	PLASTER/ANHYDRITE FULL CASSETT
0721-02	CEMENT BACKER BOARD OR CERAMIC WALL TILE TO BE EXTENDED MINIMUM 1" ABOVE TOP OF EXHAUST HOOD
1021-02	CEILING TRUSS AND CURTAIN
1100-02	REINSTALL KITCHEN EQUIPMENT, INCLUDING ROLLING ISLAND TABLES, CEILING-HUNG UTENSIL RACK, STAINLESS STEEL SERVING COUNTER, REFRIGERATORS, AND MICROWAVE
1100-03	ROLLING RAZOR TO BE FINISHED AND INSTALLED BY OWNER
2300-03	EXISTING STAINLESS STEEL SINK UNIT AND DISHWASHER TO BE REINSTALLED BY PLUMBING CONTRACTOR
2300-02	COORDINATE NEW DUCT PENETRATION WITH MECHANICAL CONTRACTOR
2300-03	COORDINATE FLOOR CORES FOR NEW CONVECTOR WITH MECHANICAL CONTRACTOR
2300-04	EXISTING OVEN/RANGE UNIT AND EXHAUST HOOD TO BE REINSTALLED BY MECHANICAL CONTRACTOR
2611-02	LOCATE RECESSED NIGHT LIGHT (PROVIDE CURTAIN TRACK STOP)

ACCESSORY SCHEDULE	
TAG	DESCRIPTION
CS1	CEILING AND BRACKET HOOKS, 3/8" DIA. X 2'
MS10	ROBE HOOK
SH01	SHOWER CURTAIN ROD AND HOOKS
TY02	2" TOWEL BAR



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PROJECT INFORMATION
 Fire Station
 Administration Office
 Building and Fire
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ISSUANCE AND REVISIONS
 BID DOCUMENTS

REVISIONS		
#	DATE	DESCRIPTION
1	9/16/2015	ADDendum 1

KEY PLAN



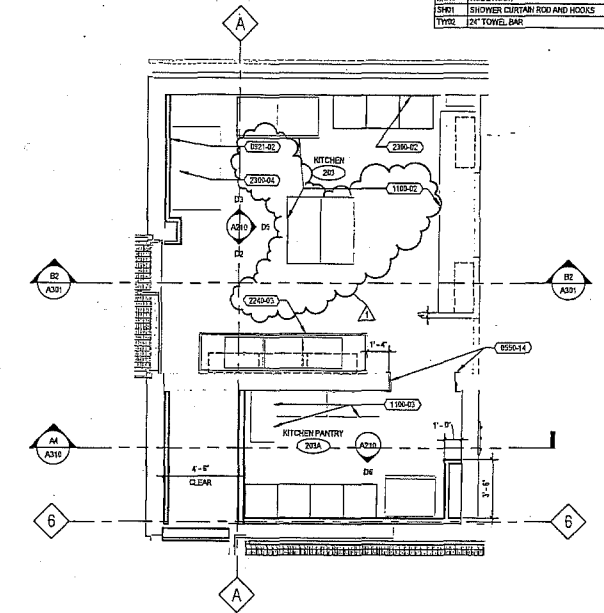
SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

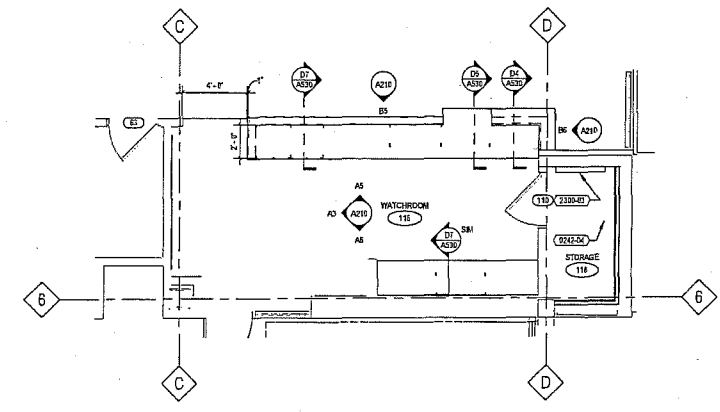
FIRE STATION 1
 ENLARGED FLOOR
 PLANS

A400

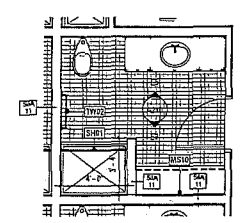
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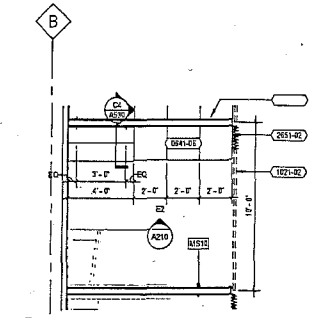
C6 ENLARGED KITCHEN & PANTRY
 1/4" = 1'-0"



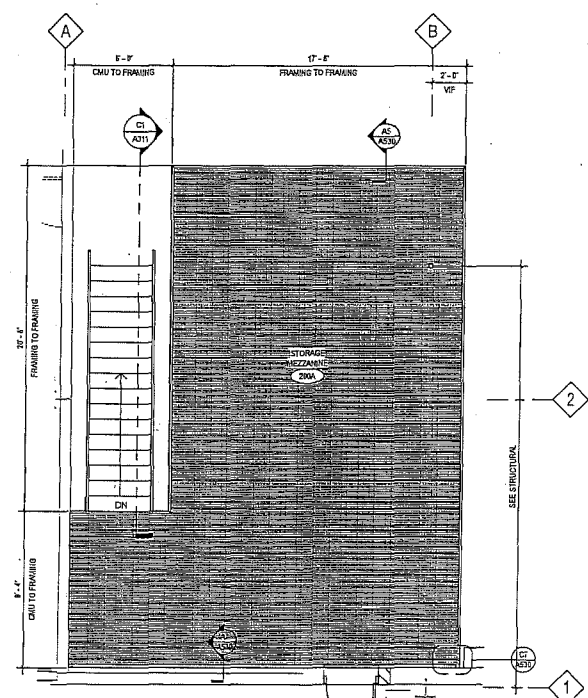
B3 ENLARGED WATCHROOM
 1/4" = 1'-0"



A2 STATION 1 TYPICAL TOILET ROOM @ SLEEPING QUARTERS
 1/4" = 1'-0"



A4 STATION 1 TYPICAL SLEEPING UNIT PLAN
 1/4" = 1'-0"



A6 ENLARGED PLAN AT STORAGE MEZZANINE - STATION 1
 1/4" = 1'-0"

NOTE: ALL DIMENSIONS AT STORAGE MEZZANINE 200B SIMILAR

1 2 3 4 5 6 7

1 2 3 4 5 6 7

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KEYNOTES PER SHEET	
1010-40B	1/2" PLYWOOD ALONGSIDE WALL MOUNTED MONITOR, COORDINATE SIZE AND LOCATION WITH TECHNOLOGY CONTRACTOR
1041-20	1/2" SURFACE MOUNTED
1040-01	1/2" FRAMELESS LAMINATED SECURITY GLAZING
1011-02	SURFACE MOUNTED 4"X2" WATERGARD
1011-04	1" SURFACE MOUNTED 4"X2" WATERGARD
1014-02	WALL MOUNTED ST SIGN, SEE BIDDING FOR SIGN TYPES
1014-01	SEMI-RECESSED FIRE EXTINGUISHER CABINET
1013-04	ACCESSIBLE E-EGRESS
1013-03	FRAMELESS GLASS WALL (HARTFORD, ENVELOPE DESIGN)

ACCESSORY SCHEDULE	
TAG	DESCRIPTION
CS01	MOP AND BRUSH HOLDER, 2-HOOK, 24"
CS02	18" VERT GRAB BAR
CS03	30" HORIZ GRAB BAR
CS04	42" HORIZ GRAB BAR
RE01	HAND DRYER
MS10	ROBE HOOK
MS01	SURFACE MOUNT NAPKIN DISPOSAL
SH01	SHOWER CURTAIN ROD AND HOOKS
SH11	FOLDING SHOWER SEAT
TW01	2" TOWEL BAR



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REVISIONS		
#	DATE	DESCRIPTION
1	10/09/2015	FOR BIDDING

KEY PLAN



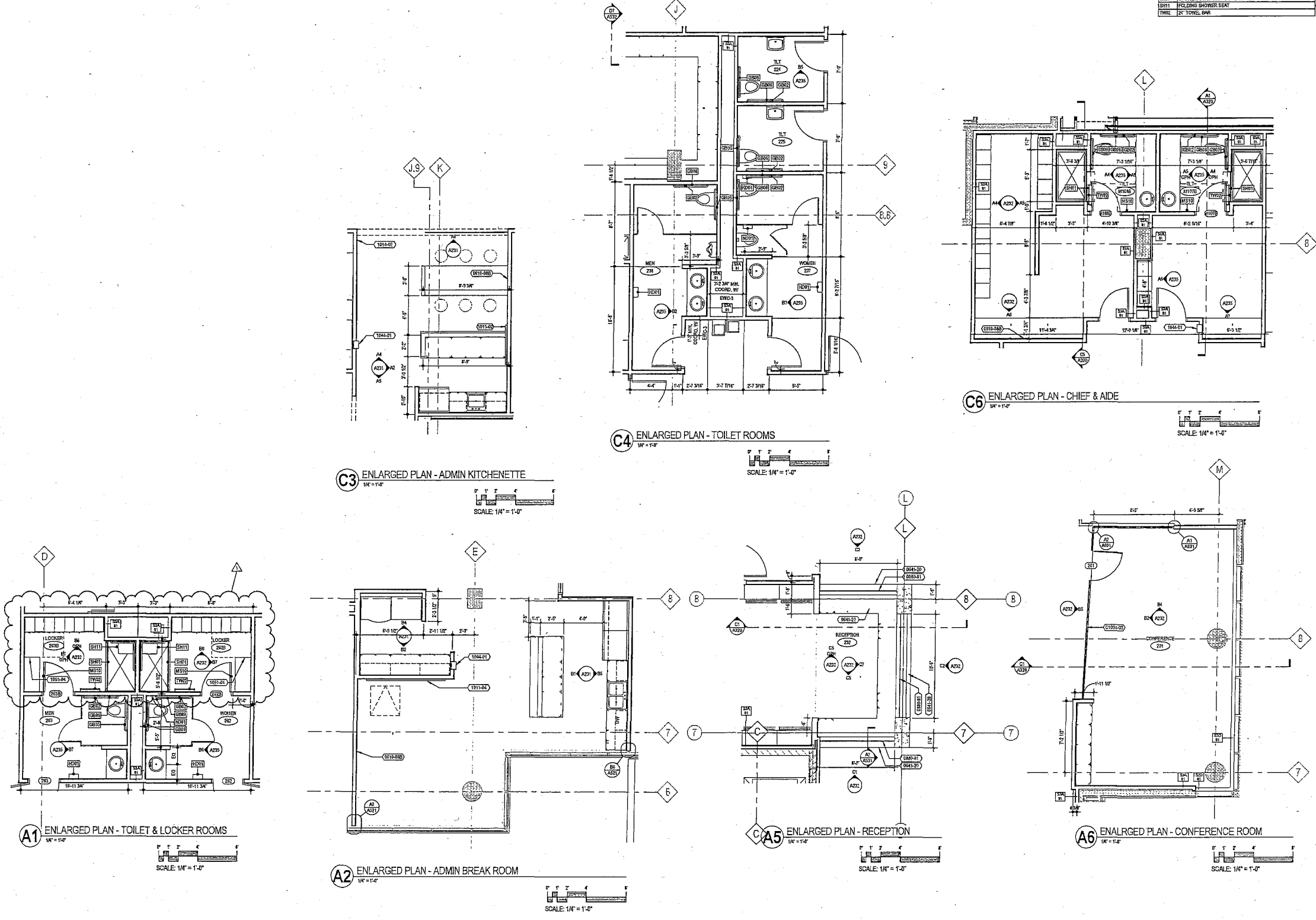
SHEET INFORMATION

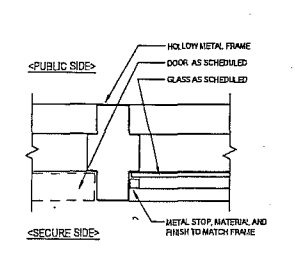
PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

FIRE ADMIN
 ENLARGED FLOOR
 PLANS

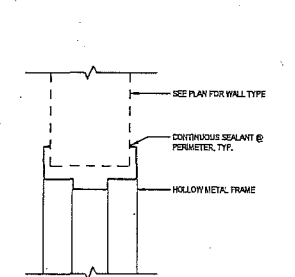
A420

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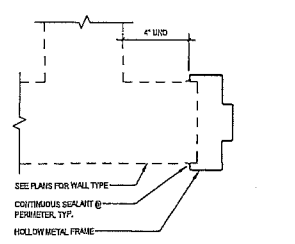




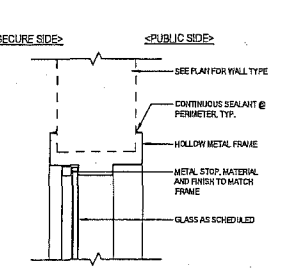
E1 HM Door & Sidelite Jamb - Gyp Bd
7'-1 1/2"



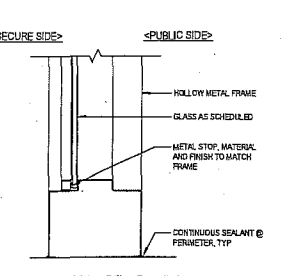
D1 HM Door Head - Gyp Bd
7'-1 1/2"



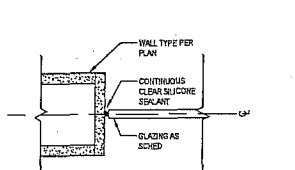
C1 HM Door Jamb - Gyp Bd
7'-1 1/2"



B2 HM Borrowed Lite Head/Jamb - Gyp Bd
7'-1 1/2"



B1 HM Borrowed Lite Sill - Gyp Bd
7'-1 1/2"



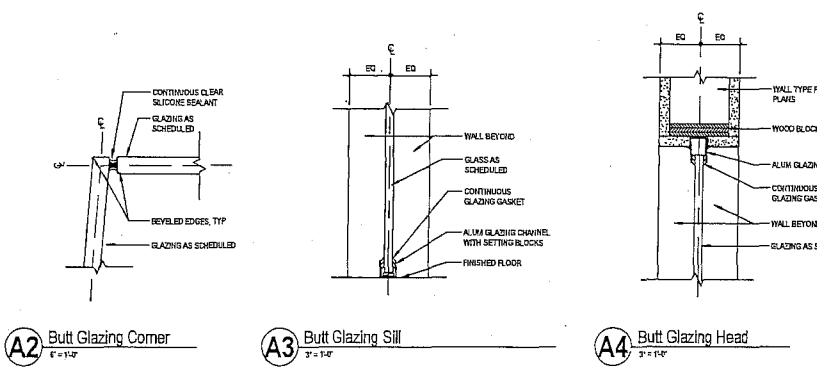
A1 Butt Glazing Jamb
7'-1 1/2"

DOOR AND FRAME SCHEDULE table with columns for ITEM NO, QTY, LEAF, SIZE, UNIFORM, DOOR, SCHEDULE, DETAIL, HOWE TAG, RATING, and REMARKS. Includes sub-tables for SIDELITE & TRANSOM and BORROWED LITE SCHEDULE.

DOOR AND FRAME SCHEDULE GENERAL NOTES AND REMARKS. GENERAL NOTES A-F. REMARKS 1-22.

BORROWED LITE SCHEDULE table with columns for ITEM NO, QTY, LEAF, SIZE, UNIFORM, DOOR, SCHEDULE, DETAIL, HOWE TAG, RATING, and REMARKS.

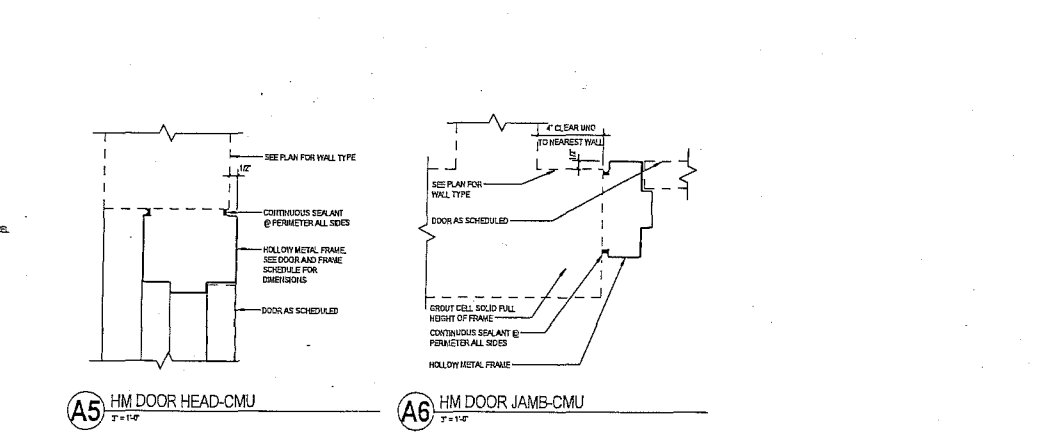
BORROWED LITE SCHEDULE GENERAL NOTES AND REMARKS. GENERAL NOTES A-F. REMARKS 1-22.



A2 Butt Glazing Corner, A3 Butt Glazing Sill, A4 Butt Glazing Head, A5 HM DOOR HEAD-CMU, A6 HM DOOR JAMB-CMU

MATERIAL SCHEDULE table with columns for CODE, DESCRIPTION, MANUFACTURER, PRODUCT #, COLOR, FINISH, SIZE, FLAME SPREAD, CONTACT, and REMARKS.

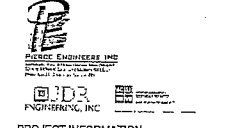
MATERIAL SCHEDULE GENERAL NOTES AND REMARKS. GENERAL NOTES A-F. REMARKS 1-22.



A5 HM DOOR HEAD-CMU, A6 HM DOOR JAMB-CMU



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PROJECT INFORMATION

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Contract No. 6891

316 West Dayton St.
Madison, WI 53703

ISSUANCE AND REVISIONS

Table with columns #, DATE, DESCRIPTION. Row 1: DRAWINGS ASSEMBLY 1.

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REVISIONS

Table with columns #, DATE, DESCRIPTION. Row 1: DRAWINGS ASSEMBLY 1.

KEY PLAN

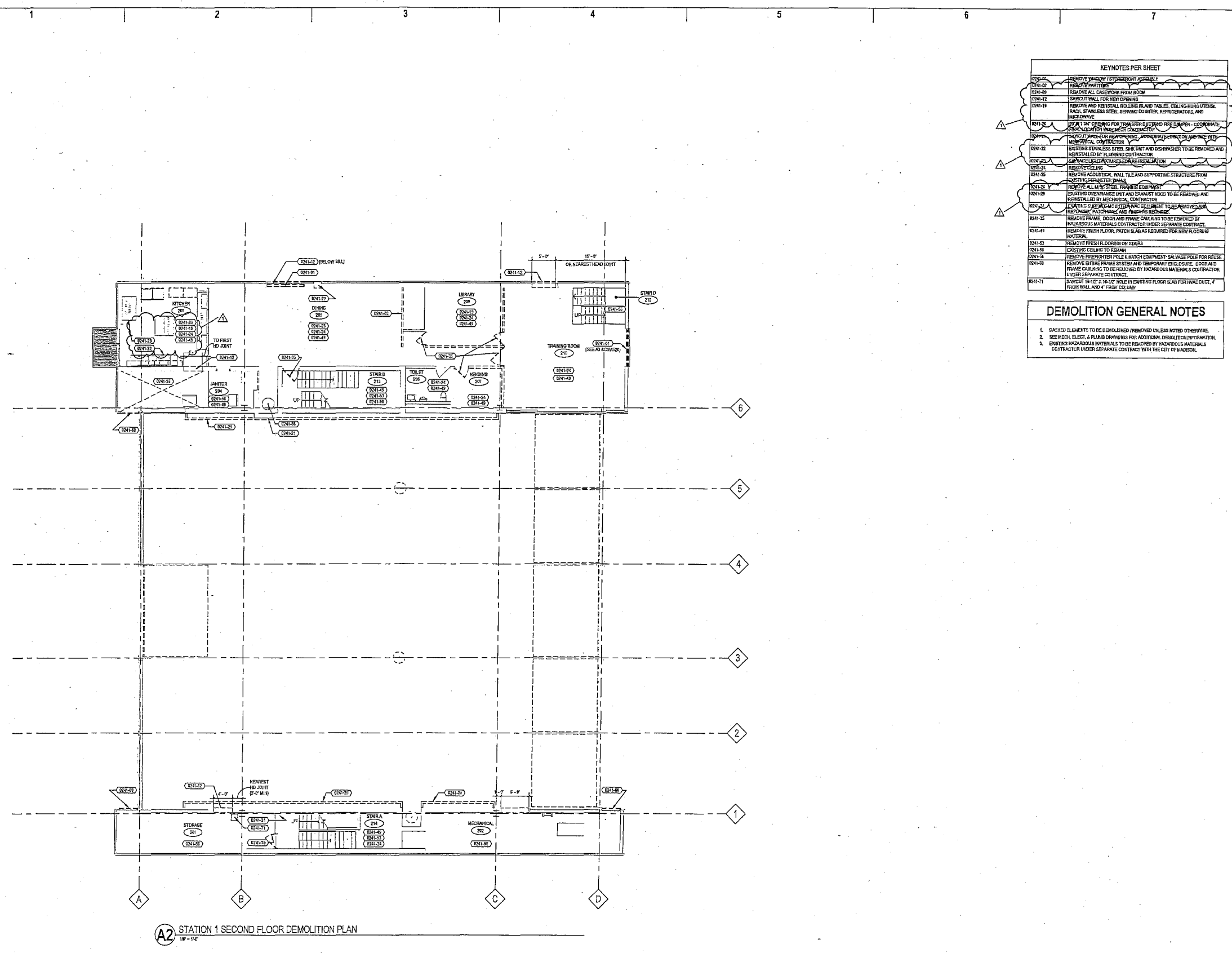


SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015
FIRE ADMIN DOOR,
WINDOW, FRAME
AND MATERIAL
SCHEDULE

A601
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E
D
C
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A



A2 STATION 1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"

KEYNOTES PER SHEET

E241-01	REMOVE WINDOW / STAIRWELL ADJACENT
E241-02	REMOVE PARTITION
E241-03	REMOVE ALL CASEWORK FROM ROOM
E241-04	SMOKE WALL FOR NEW OPENING
E241-05	REMOVE AND REINSTALL ROLLING ISLAND TABLES, CEILING-HUNG UTENSIL RACK, STAINLESS STEEL SERVING COUNTER, REFRIGERATORS, AND MICROWAVE
E241-06	20" x 14" OPENING FOR TRANSFER DUCT AND FIRE DAMPER - COORDINATE WITH MECHANICAL CONTRACTOR
E241-07	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-08	REMOVE STAINLESS STEEL SINK UNIT AND DISHWASHER TO BE REMOVED AND REINSTALLED BY PLUMBING CONTRACTOR
E241-09	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-10	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-11	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-12	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-13	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-14	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-15	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-16	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
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E241-48	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-49	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR
E241-50	REMOVE EXISTING PARTITION WALLS AND RECONSTRUCT WITH MECHANICAL CONTRACTOR

DEMOLITION GENERAL NOTES

- DASHED ELEMENTS TO BE DEMOLISHED / REMOVED UNLESS NOTED OTHERWISE.
- SEE MECH. ELECTR. & PLUMB. DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
- EXISTING HAZARDOUS MATERIALS TO BE REMOVED BY HAZARDOUS MATERIALS CONTRACTOR UNDER SEPARATE CONTRACT WITH THE CITY OF MADISON.



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PROJECT INFORMATION
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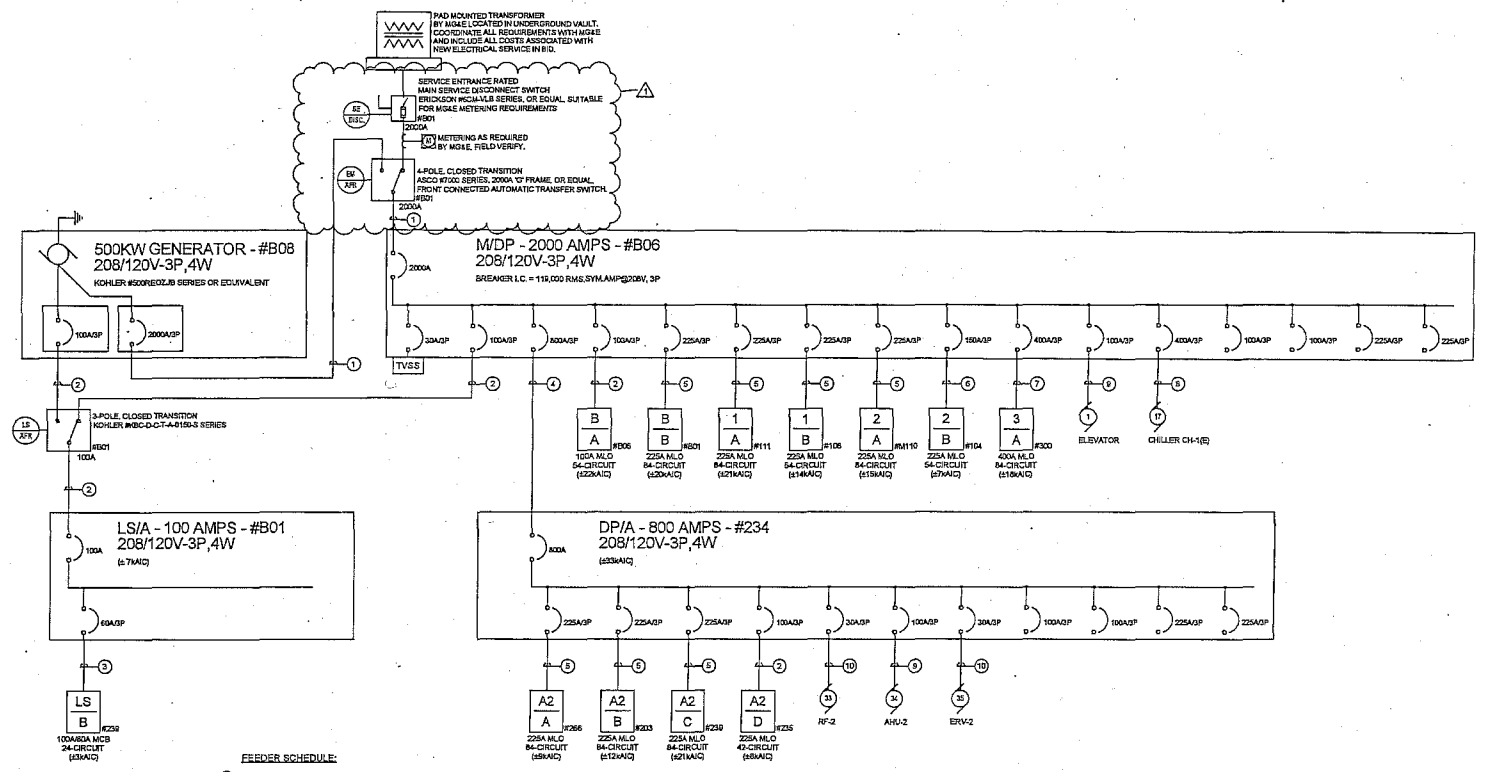
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**FIRE STATION 1
 SECOND FLOOR
 DEMOLITION PLAN**

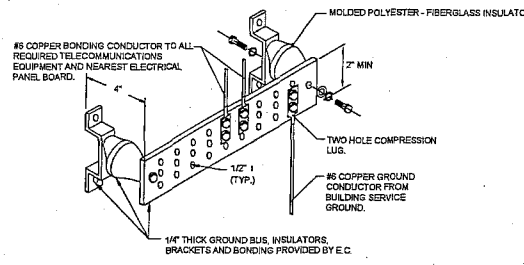
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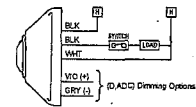


5 ONE LINE DIAGRAM
SCALE: NONE

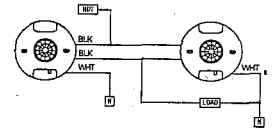
ALL AIC RATINGS SHOWN AT PANELS ARE APPROXIMATE. E.C. SHALL CONFIRM AVAILABLE AIC WITH UTILITY AND SHALL COORDINATE EXACT REQUIREMENTS AT EACH PANEL, BASED ON ACTUAL CONDUCTOR SIZE AND LENGTH, PRIOR TO ORDERING ELECTRICAL EQUIPMENT.



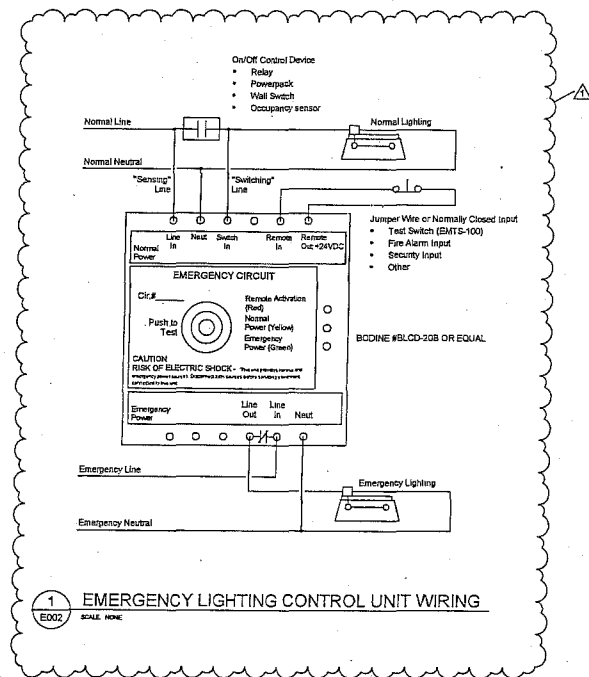
4 GROUND BUSS DETAIL
SCALE: NONE



3 TYPICAL OCCUPANCY SENSOR/SWITCH WIRING DIAGRAM
SCALE: NONE



2 TYPICAL OCCUPANCY SENSOR PARALLEL WIRING DIAGRAM
SCALE: NONE



1 EMERGENCY LIGHTING CONTROL UNIT WIRING
SCALE: NONE



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KEY PLAN



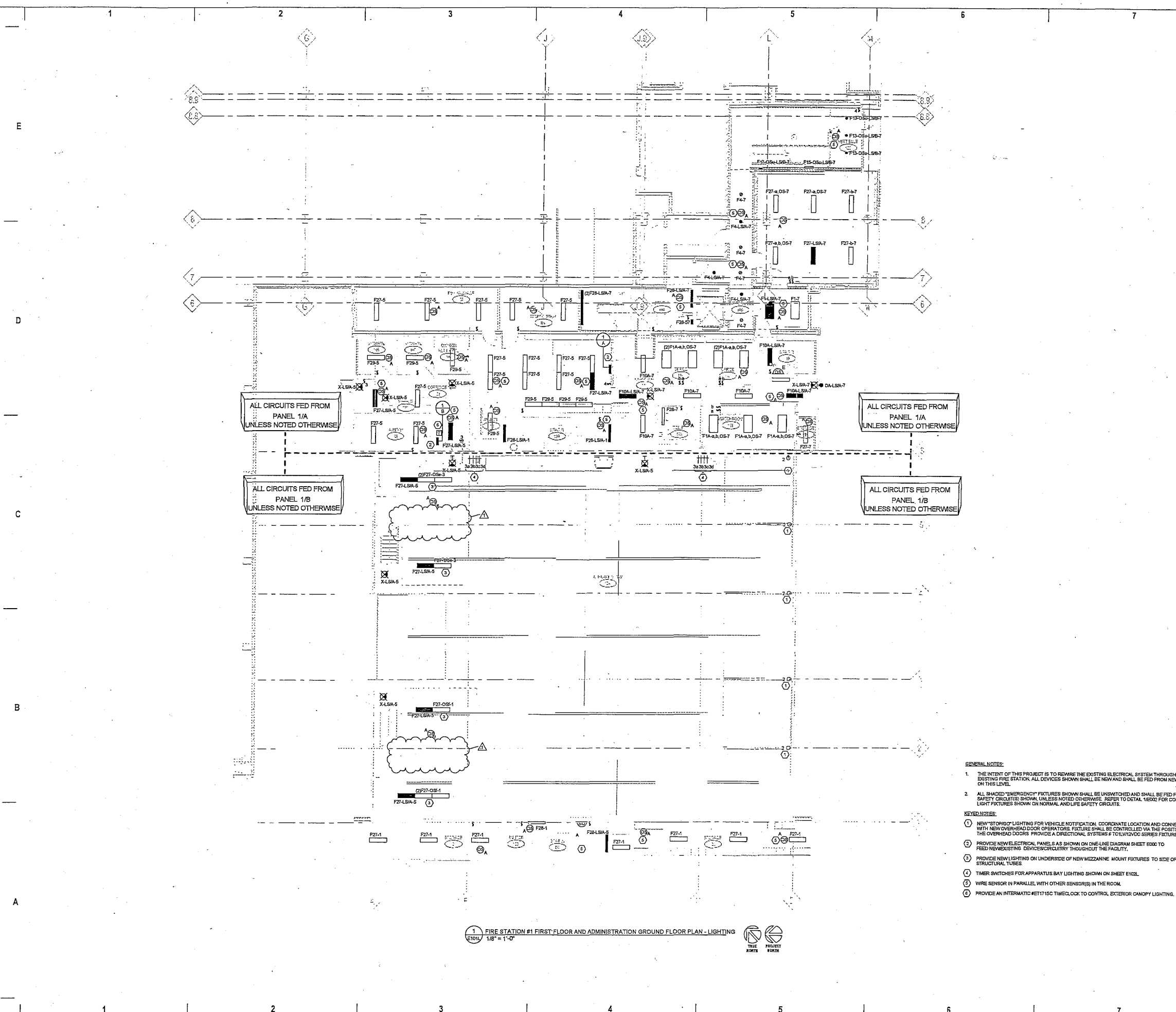
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DETAILS -
ELECTRICAL

E002

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DATE 01/09/2015

FS#1 1ST FLR AND
 ADMIN GROUND
 FLOOR PLAN -
 LIGHTING

E101L

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- GENERAL NOTES:**
- THE INTENT OF THIS PROJECT IS TO REVISE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - ALL SHADDED "EMERGENCY" FIXTURES SHOWN SHALL BE UNSWITCHED AND SHALL BE FED FROM LIFE SAFETY CIRCUITS SHOWN UNLESS NOTED OTHERWISE. REFER TO DETAIL 1600X FOR CONTROL OF LIGHT FIXTURES SHOWN ON NORMAL AND LIFE SAFETY CIRCUITS.
- KEYED NOTES:**
- NEW "STOWING" LIGHTING FOR VEHICLE NOTIFICATION. COORDINATE LOCATION AND CONNECTION WITH NEW OVERHEAD DOOR OPERATORS. FIXTURE SHALL BE CONTROLLED VIA THE POSITION OF THE OVERHEAD DOORS. PROVIDE A DIRECTIONAL SYSTEMS # TOLV12VDC SERIES FIXTURE.
 - PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES/DEVICES THROUGHOUT THE FACILITY.
 - PROVIDE NEW LIGHTING ON UNDERSIDE OF NEW MEZZANINE. MOUNT FIXTURES TO SIDE OF STRUCTURAL TUBES.
 - TIMER SWITCHES FOR APPARATUS BAY LIGHTING SHOWN ON SHEET E102L.
 - WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE ROOM.
 - PROVIDE AN INTERMATIC #ET1715C TIMELOCK TO CONTROL EXTERIOR CANOPY LIGHTING.

1 FIRE STATION #1 FIRST FLOOR AND ADMINISTRATION GROUND FLOOR PLAN - LIGHTING
 E101L 1/8" = 1'-0"





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KEY PLAN

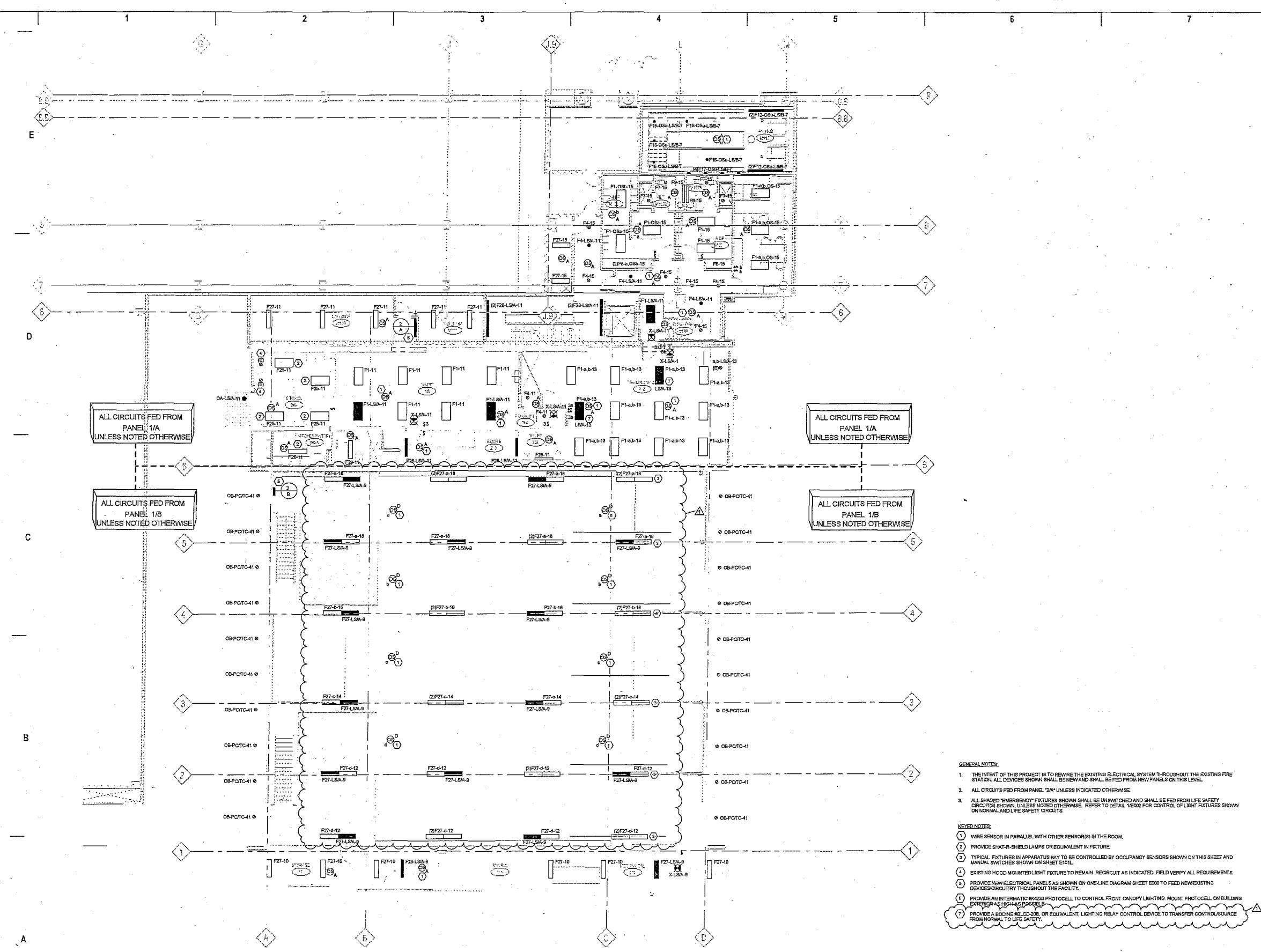


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FS#1 2ND FLR AND
 ADMIN MEZZ PLAN -
 LIGHTING

E102L



1 FIRE STATION #1 SECOND FLOOR AND ADMINISTRATION MEZZANINE LEVEL PLAN - LIGHTING
 1/8" = 1'-0"

- GENERAL NOTES:
- THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - ALL CIRCUITS FED FROM PANEL "2A" UNLESS INDICATED OTHERWISE.
 - ALL SHADDED "EMERGENCY" FIXTURES SHOWN SHALL BE UNSWITCHED AND SHALL BE FED FROM LIFE SAFETY CIRCUITS SHOWN UNLESS NOTED OTHERWISE. REFER TO DETAIL 16002 FOR CONTROL OF LIGHT FIXTURES SHOWN ON NORMAL AND LIFE SAFETY CIRCUITS.
- KEY NOTES:
- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE ROOM.
 - PROVIDE SHAT-R-SHIELD LAMPS OR EQUIVALENT IN FIXTURE.
 - TYPICAL FIXTURES IN APPARATUS BAY TO BE CONTROLLED BY OCCUPANCY SENSORS SHOWN ON THIS SHEET AND MANUAL SWITCHES SHOWN ON SHEET E01L.
 - EXISTING HOOD MOUNTED LIGHT FIXTURE TO REMAIN. REWIRE AS INDICATED. FIELD VERIFY ALL REQUIREMENTS.
 - PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES THROUGHOUT THE FACILITY.
 - PROVIDE AN INTERMATIC #6023 PHOTOCELL TO CONTROL FRONT CANOPY LIGHTING. MOUNT PHOTOCELL ON BUILDING EXTERIOR AS HIGH AS POSSIBLE.
 - PROVIDE A BUSHING RELAY OR EQUIVALENT LIGHTING RELAY CONTROL DEVICE TO TRANSFER CONTROL SOURCE FROM NORMAL TO LIFE SAFETY.



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1	02/05/2015	ISSUANCE

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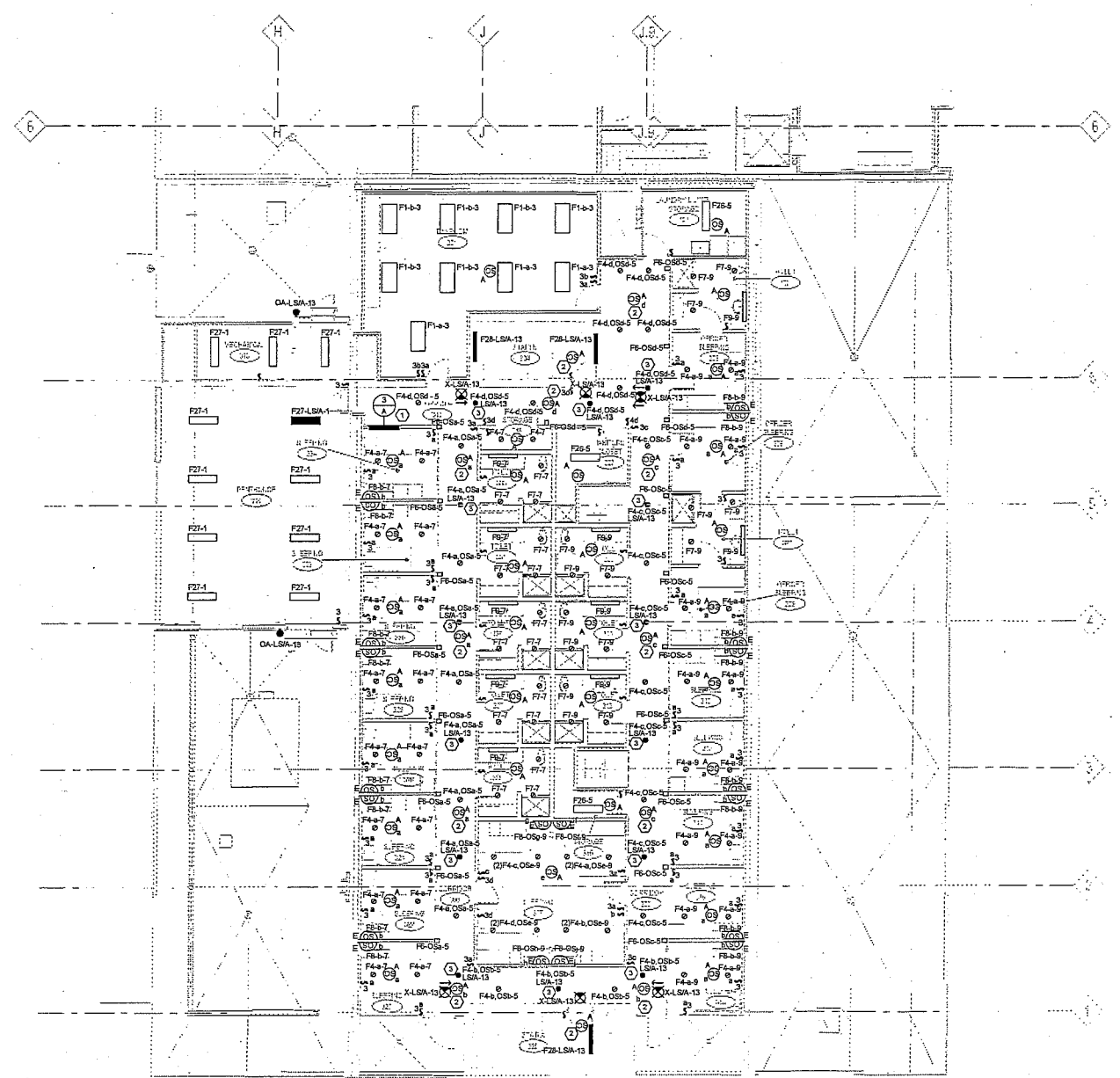
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FIRE STATION #1
 3RD FLOOR PLAN -
 LIGHTING

E103L

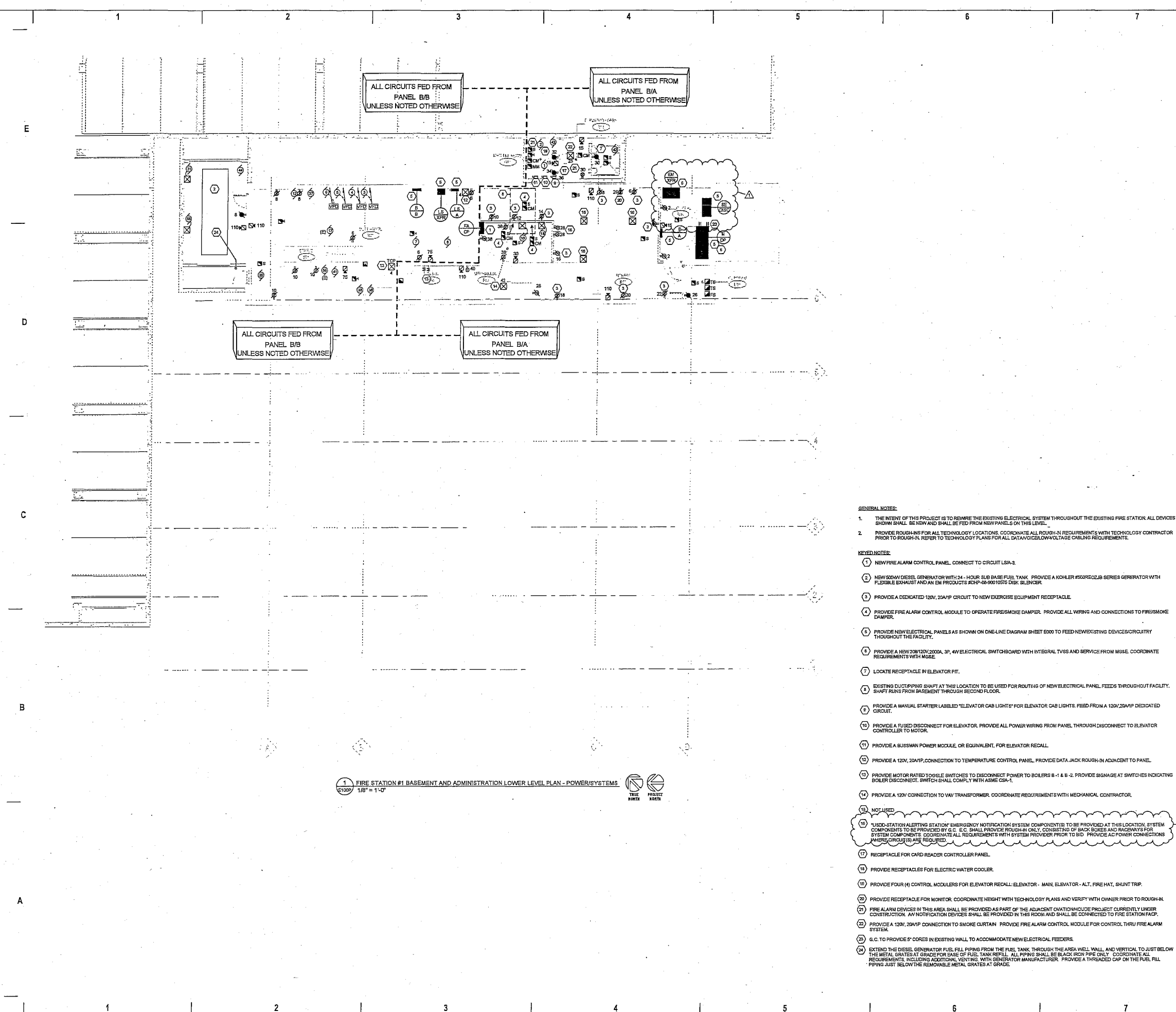
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1 FIRE STATION #1 THIRD FLOOR PLAN - LIGHTING
 VISUAL 1/8" = 1'-0"

- GENERAL NOTES:**
1. THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 2. ALL CIRCUITS FED FROM PANEL "3A" UNLESS INDICATED OTHERWISE.
 3. ALL SHADED "EMERGENCY" FIXTURES SHOWN SHALL BE UNSWITCHED AND SHALL BE FED FROM LIFE SAFETY CIRCUITS SHOWN, UNLESS NOTED OTHERWISE. REFER TO DETAIL 16000 FOR CONTROL OF LIGHT FIXTURES SHOWN ON NORMAL AND LIFE SAFETY CIRCUITS.

- KEYED NOTES:**
- 1 PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E100 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 - 2 WIRE SENSOR IN PARALLEL WITH OTHER SENSORS IN THE ROOM.
 - 3 PROVIDE A BOONE #BL02-208 OR EQUIVALENT LIGHTING RELAY CONTROL DEVICE TO TRANSFER CONTROL SOURCE FROM NORMAL TO LIFE SAFETY.



1 FIRE STATION #1 BASEMENT AND ADMINISTRATION LOWER LEVEL PLAN - POWER/SYSTEMS
 E100P 1/8" = 1'-0"

GENERAL NOTES:

1. THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
2. PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA/LOW VOLTAGE CABLE REQUIREMENTS.

KEYED NOTES:

- 1 NEW FIRE ALARM CONTROL PANEL. CONNECT TO CIRCUIT LSA-3.
- 2 NEW 500kW DIESEL GENERATOR WITH 24-HOUR SUB BASE FUEL TANK. PROVIDE A KOHLER #500K02UB SERIES GENERATOR WITH FLEXIBLE EXHAUST AND AN EM PRODUCTS JCHP-05-0010575 DIK SILENCER.
- 3 PROVIDE A DEDICATED 120V, 20A/1P CIRCUIT TO NEW EXERCISE EQUIPMENT RECEPTACLE.
- 4 PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
- 5 PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
- 6 PROVIDE A NEW 200120V/2000A, 3P, 4W ELECTRICAL SWITCHBOARD WITH INTEGRAL TVSS AND SERVICE FROM MG&E. COORDINATE REQUIREMENTS WITH MG&E.
- 7 LOCATE RECEPTACLE IN ELEVATOR PIT.
- 8 EXISTING DUCT/PIPPING SHAFT AT THIS LOCATION TO BE USED FOR ROUTING OF NEW ELECTRICAL PANEL FEEDS THROUGHOUT FACILITY. SHAFT RUNS FROM BASEMENT THROUGH SECOND FLOOR.
- 9 PROVIDE A MANUAL STARTER LABELED "ELEVATOR CAB LIGHTS" FOR ELEVATOR CAB LIGHTS. FEED FROM A 120V/20A/1P DEDICATED CIRCUIT.
- 10 PROVIDE A FUSED DISCONNECT FOR ELEVATOR. PROVIDE ALL POWER WIRING FROM PANEL THROUGH DISCONNECT TO ELEVATOR CONTROLLER TO MOTOR.
- 11 PROVIDE A BUSSMAN POWER MODULE, OR EQUIVALENT, FOR ELEVATOR RECALL.
- 12 PROVIDE A 120V, 20A/1P CONNECTION TO TEMPERATURE CONTROL PANEL. PROVIDE DATA JACK ROUGH-IN ADJACENT TO PANEL.
- 13 PROVIDE MOTOR RATED TOGGLE SWITCHES TO DISCONNECT POWER TO BOILERS B-1 & B-2. PROVIDE SIGNAGE AT SWITCHES INDICATING BOILER DISCONNECT. SWITCH SHALL COMPLY WITH ASME CSA-1.
- 14 PROVIDE A 120V CONNECTION TO VAV TRANSFORMER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 15 NOT USED.
- 16 "STATION ALERTING STATION" EMERGENCY NOTIFICATION SYSTEM COMPONENTS TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENTS TO BE PROVIDED BY G.C. E.C. SHALL PROVIDE ROUGH-IN ONLY, CONSISTING OF BACK BOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUITS ARE REQUIRED.
- 17 RECEPTACLE FOR CARD READER CONTROLLER PANEL.
- 18 PROVIDE RECEPTACLES FOR ELECTRIC WATER COOLER.
- 19 PROVIDE FOUR (4) CONTROL MODULES FOR ELEVATOR RECALL: ELEVATOR - MAIN, ELEVATOR - ALT, FIRE HAT, SHUNT TRIP.
- 20 PROVIDE RECEPTACLE FOR MONITOR. COORDINATE HEIGHT WITH TECHNOLOGY PLANS AND VERIFY WITH OWNER PRIOR TO ROUGH-IN.
- 21 FIRE ALARM DEVICES IN THIS AREA SHALL BE PROVIDED AS PART OF THE ADJACENT OVERTHROUDE PROJECT CURRENTLY UNDER CONSTRUCTION. ANY NOTIFICATION DEVICES SHALL BE PROVIDED IN THIS ROOM AND SHALL BE CONNECTED TO FIRE STATION FACP.
- 22 PROVIDE A 120V, 20A/1P CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
- 23 G.C. TO PROVIDE 5" CORES IN EXISTING WALL TO ACCOMMODATE NEW ELECTRICAL FEEDERS.
- 24 EXTEND THE DIESEL GENERATOR FUEL FILL PIPING FROM THE FUEL TANK THROUGH THE AREA WELL WALL AND VERTICAL TO JUST BELOW THE METAL GRATES AT GRADE FOR BASE OF FUEL TANK RE-FILL. ALL PIPING SHALL BE BLACK IRON PIPE ONLY. COORDINATE ALL REQUIREMENTS, INCLUDING ADDITIONAL VENTING, WITH GENERATOR MANUFACTURER. PROVIDE A THREADED CAP ON THE FUEL FILL PIPING JUST BELOW THE REMOVABLE METAL GRATES AT GRADE.



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1	05/02/2015	ISSUANCE

KEY PLAN



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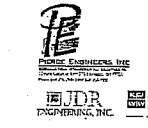
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FS#1 BASEMENT
 AND ADMIN LL PLAN
 - POWER/SYSTEMS

E100P



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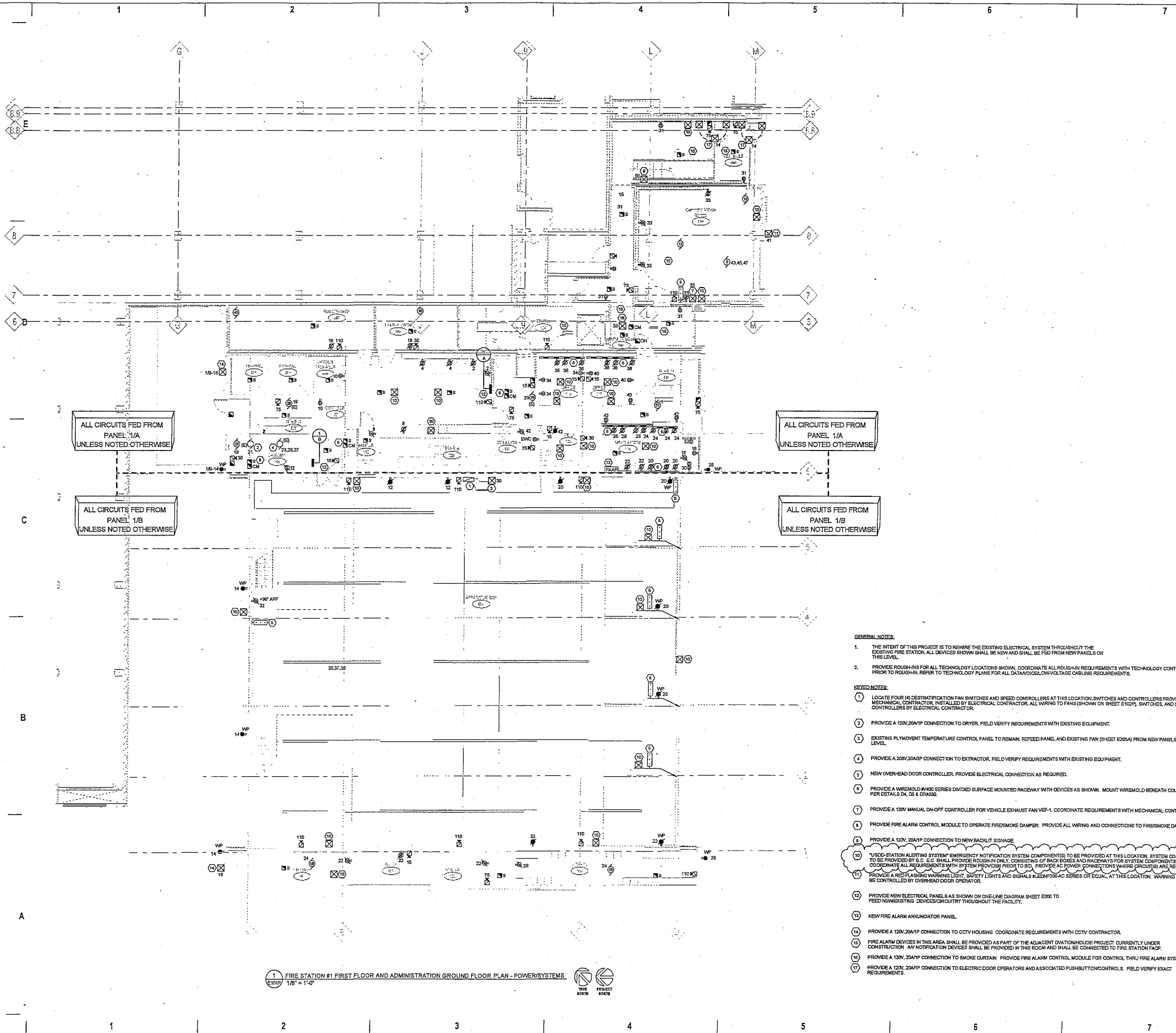
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 FS#1 1ST FLR AND
 ADMIN GROUND
 FLOOR PLAN -
 POWER/SYSTEMS

E101P



GENERAL NOTES:

- THE INTENT OF THIS PROJECT IS TO REMOVE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
- PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS SHOWN. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA/VOICE/LOW VOLTAGE CABLING REQUIREMENTS.

REFER NOTES:

- LOCATE FOUR (4) DESTRATIFICATION FAN SWITCHES AND SPEED CONTROLLERS AT THIS LOCATION. SWITCHES AND CONTROLLERS PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. ALL WIRING TO FANS (SHOWN ON SHEET E20P), SWITCHES, AND SPEED CONTROLLERS BY ELECTRICAL CONTRACTOR.
- PROVIDE A 120V, 20AMP CONNECTION TO DRYER. FIELD VERIFY REQUIREMENTS WITH EXISTING EQUIPMENT.
- EXISTING PLYMOVENT TEMPERATURE CONTROL PANEL TO REMAIN. REFEED PANEL AND EXISTING FAN (SHEET E20SA) FROM NEW PANELS ON THIS LEVEL.
- PROVIDE A 208V, 20AMP CONNECTION TO EXTRACTOR. FIELD VERIFY REQUIREMENTS WITH EXISTING EQUIPMENT.
- NEW OVER-HEAD DOOR CONTROLLER. PROVIDE ELECTRICAL CONNECTION AS REQUIRED.
- PROVIDE A WIREMOLD (#400 SERIES DIVIDED SURFACE MOUNTED RACEWAY) WITH DEVICES AS SHOWN. MOUNT WIREMOLD BENEATH COUNTERTOP PER DETAILS D4, D5 & D7A530.
- PROVIDE A 120V MANUAL ON-OFF CONTROLLER FOR VEHICLE EXHAUST FAN VEF-1. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
- PROVIDE A 120V, 20AMP CONNECTION TO NEW BACKLIT SIGNAGE.
- "FIRE STATION ALERTING SYSTEM" EMERGENCY NOTIFICATION SYSTEM COMPONENTS TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENTS TO BE PROVIDED BY E.C. SHALL PROVIDE ROUGH-IN ONLY, CONSISTING OF BACK BOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUITS ARE REQUIRED.
- PROVIDE A RED FLASHING WARNING LIGHT, SAFETY LIGHTS AND SIGNALS #LEEF350AC SERIES OR EQUAL, AT THIS LOCATION. WARNING LIGHT TO BE CONTROLLED BY OVERHEAD DOOR OPERATOR.
- PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E200 TO FEED NEW EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
- NEW FIRE ALARM ANNUNCIATOR PANEL.
- PROVIDE A 120V, 20AMP CONNECTION TO CCTV HOUSING. COORDINATE REQUIREMENTS WITH CCTV CONTRACTOR.
- FIRE ALARM DEVICES IN THIS AREA SHALL BE PROVIDED AS PART OF THE ADJACENT ON-TIONHOUSE PROJECT. CURRENTLY UNDER CONSTRUCTION. ANY NOTIFICATION DEVICES SHALL BE PROVIDED IN THIS ROOM AND SHALL BE CONNECTED TO FIRE STATION FACP.
- PROVIDE A 120V, 20AMP CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
- PROVIDE A 120V, 20AMP CONNECTION TO ELECTRIC DOOR OPERATORS AND ASSOCIATED PUSH-BUTTON CONTROLS. FIELD VERIFY EXACT REQUIREMENTS.

1 FIRE STATION #1 FIRST FLOOR AND ADMINISTRATION GROUND FLOOR PLAN - POWER/SYSTEMS
 1/8" = 1'-0"





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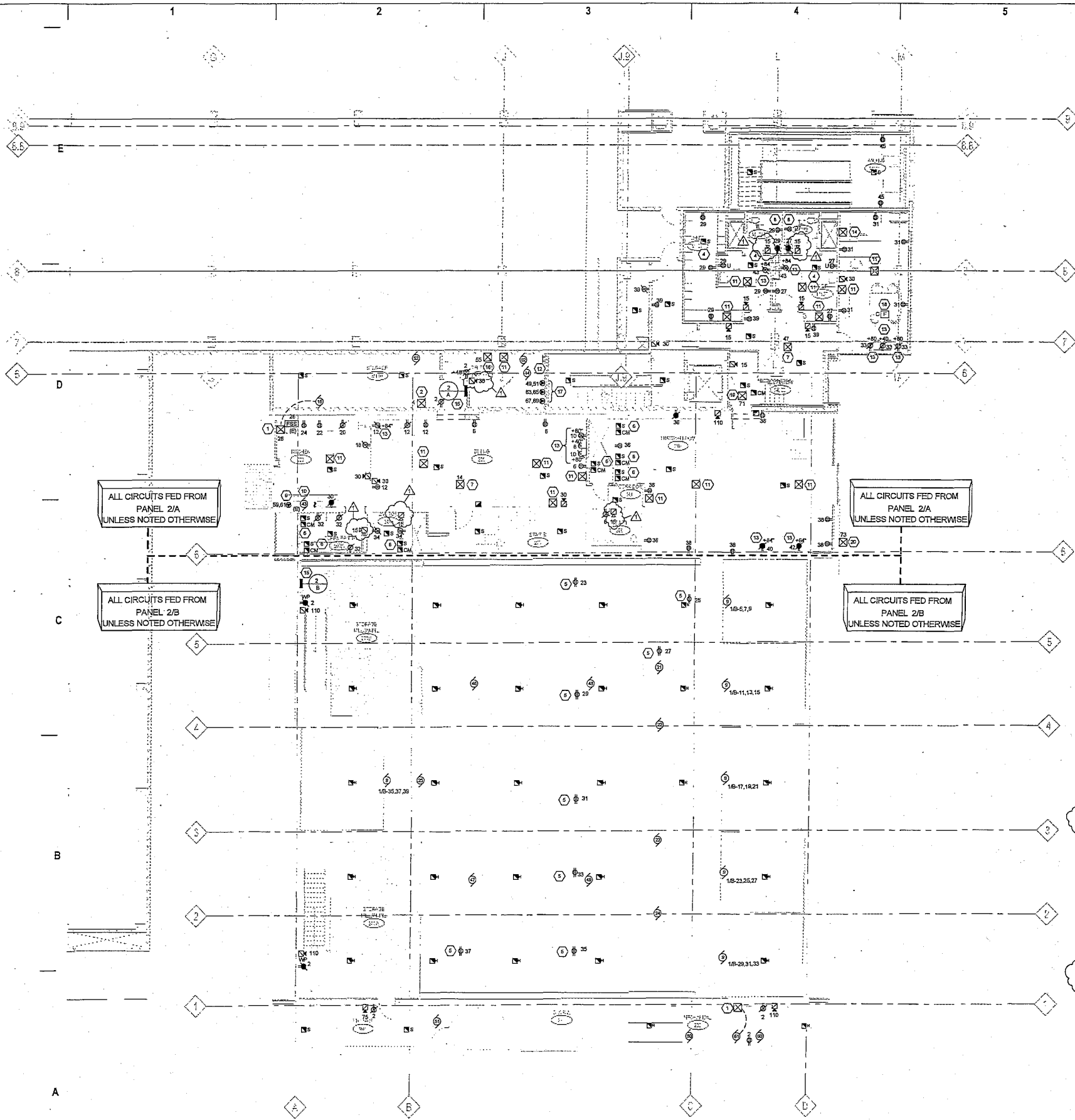
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 POWER/SYSTEMS

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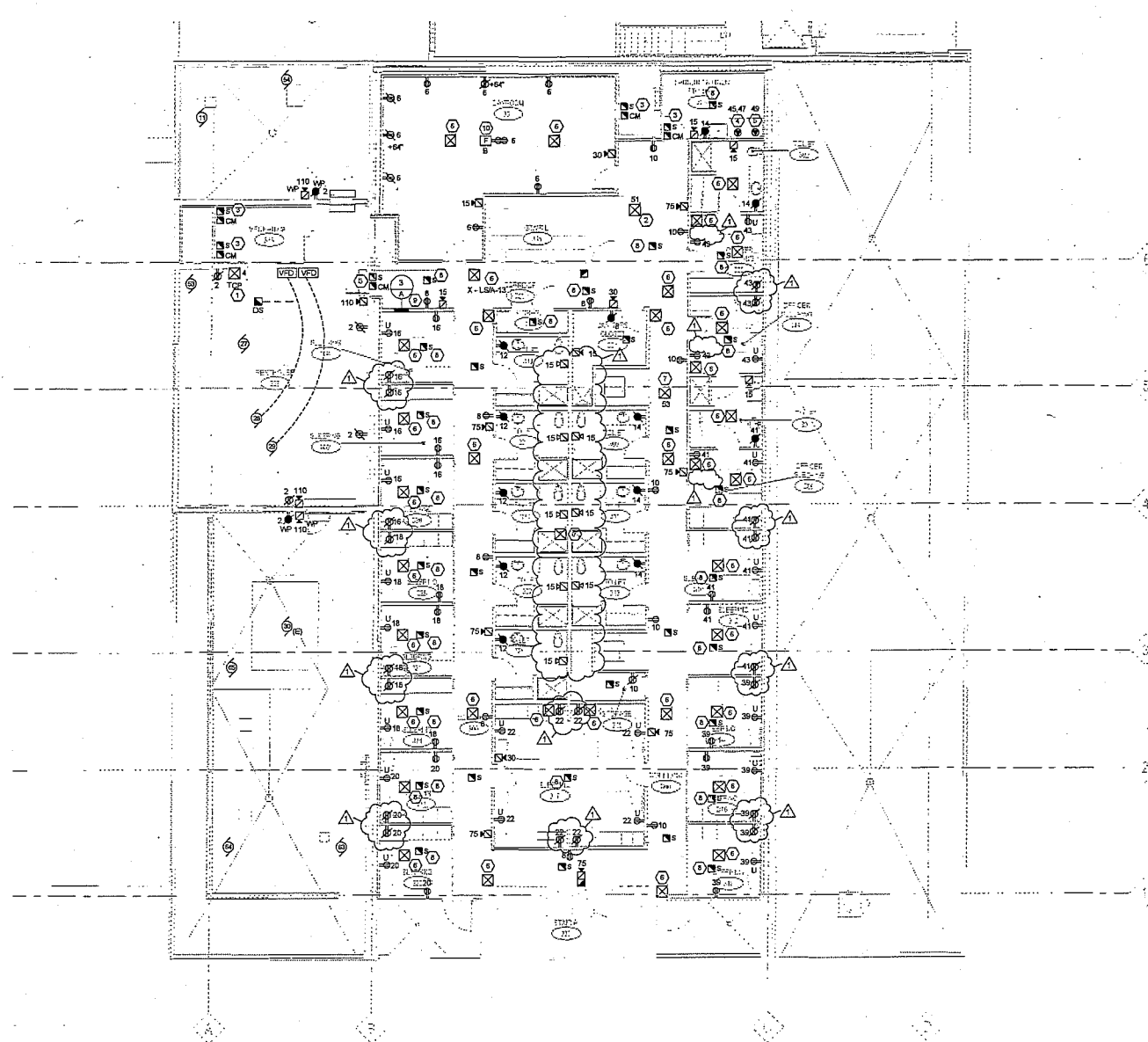


1 FIRE STATION #1 SECOND FLOOR AND ADMINISTRATION MEZZANINE LEVEL PLAN - POWER/SYSTEMS
 E102P
 1/8" = 1'-0"



- GENERAL NOTES:**
- THE INTENT OF THIS PROJECT IS TO REWIRE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - PROVIDE ROUGH-INS FOR ALL TECHNOLOGY LOCATIONS SHOWN. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA VOICES/LOW VOLTAGE CABLING REQUIREMENTS.
- KEYED NOTES:**
- PROVIDE A 120V CONNECTION TO MAU CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR. PROVIDE ALL LINE VOLTAGE WIRING BETWEEN CONTROL PANEL AND MAU UNIT.
 - PROVIDE A 120V CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - PROVIDE CARBON MONOXIDE/SMOKE ALARM TYPE DEVICE.
 - PROVIDE SMOKE ALARM TYPE DEVICE.
 - PROVIDE A HUBBELL # HBL4523R CORD REEL, SHORELINE FOR EMERGENCY VEHICLE USE. INSTALL HOSE REELS ON EXISTING STRUCTURE. COORDINATE MOUNTING LOCATIONS WITH G.C. PRIOR TO ROUGH-IN. PROVIDE GFI RECEPTACLE.
 - PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
 - PROVIDE A 120V CONNECTION TO VAV TRANSFORMER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - PROVIDE RECEPTACLE UNDER COUNTER/SINK FOR FAUCET "PLUG-IN" TRANSFORMER.
 - NEW DISHWASHER. PROVIDE A 208V, 1-PHASE, 30A/2P CONNECTION. CIRCUIT AS INDICATED.
 - EXISTING GARBAGE DISPOSAL AND ASSOCIATED CONTROL TO BE REFEED WITH CIRCUIT(S) AS SHOWN.
 - "JSDO-STATION ALERTING SYSTEM" EMERGENCY NOTIFICATION SYSTEM COMPONENT(S) TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENTS TO BE PROVIDED BY G.C. E.C. SHALL PROVIDE ROUGH-IN ONLY, CONSISTING OF BACK BOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL WITH SYSTEM PROVIDER PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUIT(S) ARE REQUIRED.
 - GROUND BUSS BAR, REFER TO DETAIL 4500Z.
 - PROVIDE RECEPTACLE ADJACENT TO TECHNOLOGY EQUIPMENT. COORDINATE RECEPTACLE MOUNTING HEIGHT AND LOCATIONS WITH ARCHITECTURAL DETAILS AND WITH TECHNOLOGY CONTRACTOR.
 - PROVIDE J-BOX FOR TECHNOLOGY AS REQUIRED. REFER TO TECHNOLOGY PLANS FOR SPECIFIC REQUIREMENTS.
 - PROVIDE NEW ELECTRICAL PANELS AS SHOWN ON ONE-LINE DIAGRAM SHEET E000 TO FEED NEW/EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 - PROVIDE A 120V/20A/1P CONNECTION TO ACCESS CONTROL SYSTEM. COORDINATE REQUIREMENTS WITH ACCESS CONTROL CONTRACTOR.
 - PROVIDE A 208V, 30A/2P DEDICATED RECEPTACLE FOR TELECOM RACK PDU. FIELD VERIFY EXACT REQUIREMENTS. CIRCUIT AS INDICATED. MOUNT RECEPTACLES AT 48" AFF.
 - PROVIDE FLOOR BOX PER SCHEDULE ON SHEET E001 WITH ELECTRICAL CONNECTION AND TECHNOLOGY ROUGH-IN.
 - PROVIDE A 120V, 20A/1P CONNECTION TO SMOKE CURTAIN. PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
 - PROVIDE A 120V, 20A/1P CONNECTION TO NEW EXTERIOR SIGNAGE.

E
D
C
B
A



1 FIRE STATION #1 THIRD FLOOR PLAN-POWER/SYSTEMS
1/8" = 1'-0"

- GENERAL NOTES:**
- THE INTENT OF THIS PROJECT IS TO REVISE THE EXISTING ELECTRICAL SYSTEM THROUGHOUT THE EXISTING FIRE STATION. ALL DEVICES SHOWN SHALL BE NEW AND SHALL BE FED FROM NEW PANELS ON THIS LEVEL.
 - PROVIDE ROUGH-IN FOR ALL TECHNOLOGY LOCATIONS SHOWN. COORDINATE ALL ROUGH-IN REQUIREMENTS WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY PLANS FOR ALL DATA/VOICE/LOW VOLTAGE CABLING REQUIREMENTS.
 - ALL CIRCUITS FED FROM PANEL "3A" UNLESS INDICATED OTHERWISE.
- KEYED NOTES:**
- PROVIDE A 120V CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR. PROVIDE DATA JACK ROUGH-IN ADJUNCT TO CONTROL PANEL.
 - PROVIDE A 120V CONNECTION TO VAV TRANSFORMER. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - PROVIDE FIRE ALARM CONTROL MODULE TO OPERATE FIRE/SMOKE DAMPER. PROVIDE ALL WIRING AND CONNECTIONS TO FIRE/SMOKE DAMPER.
 - PROVIDE A 208V, 60A/2P CONNECTION TO LAUNDRY DRYER.
 - PROVIDE A 120V, 20A/1P CONNECTION TO LAUNDRY WASHER.
 - MUSCO-STATION ALERTING SYSTEM (EMERGENCY NOTIFICATION SYSTEM COMPONENTS) TO BE PROVIDED AT THIS LOCATION. SYSTEM COMPONENTS TO BE PROVIDED BY E.C. SHALL PROVIDE ROUGH-IN ONLY. 2" BACK BOXES AND RACEWAYS FOR SYSTEM COMPONENTS. COORDINATE ALL REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO BID. PROVIDE AC POWER CONNECTIONS WHERE CIRCUIT/TYPE ARE REQUIRED.
 - PROVIDE A 120V CONNECTION TO RAMP RAISE OR ROOF. COORDINATE REQUIREMENTS AND EXACT LOCATION WITH EXISTING EQUIPMENT PROVIDED BY OWNER.
 - PROVIDE CARBON MONOXIDE/SMOKE ALARM TYPE DEVICE.
 - PROVIDE ALL ELECTRICAL CONNECTIONS AND WIRING TO THE FIRE DIAGRAM SHEET E030 TO FEED NEW/EXISTING DEVICES/CIRCUITRY THROUGHOUT THE FACILITY.
 - PROVIDE FLOOR BOX PER SCHEDULE WITH ELECTRICAL CONNECTION AND TECHNOLOGY ROUGH-IN TO FURNITURE PARTITIONS.



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PROJECT INFORMATION
Fire Station
Administration Office
Building and Fire
Station No. 1
(Hovde Properties
Tenant Improvements)
Contract No. 6891

316 West Dayton St.
Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
1	06/09/2015	ISSUE FOR BIDDING

KEY PLAN



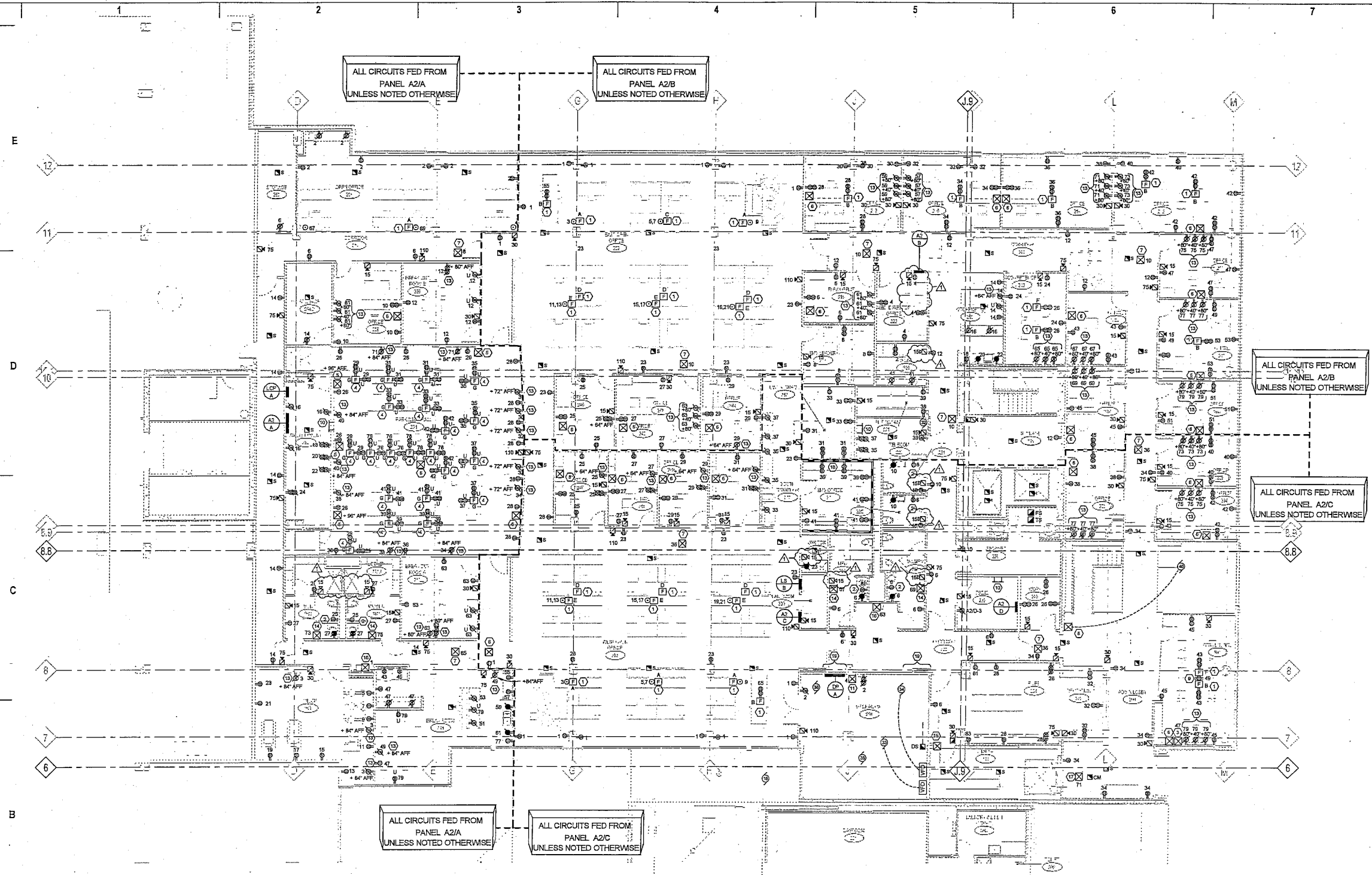
SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER	12149
DATE	01/09/2015

FIRE STATION #1
3RD FLOOR PLAN -
POWER/SYSTEMS

E103P



ALL CIRCUITS FED FROM
PANEL A2/A
UNLESS NOTED OTHERWISE

ALL CIRCUITS FED FROM
PANEL A2/B
UNLESS NOTED OTHERWISE

ALL CIRCUITS FED FROM
PANEL A2/B
UNLESS NOTED OTHERWISE

ALL CIRCUITS FED FROM
PANEL A2/C
UNLESS NOTED OTHERWISE

ALL CIRCUITS FED FROM
PANEL A2/A
UNLESS NOTED OTHERWISE

ALL CIRCUITS FED FROM
PANEL A2/C
UNLESS NOTED OTHERWISE

1 ADMIN SECOND FLOOR PLAN-POWER/SYSTEMS
E104P
1/8" = 1'-0"

- GENERAL NOTES:**
- REFER TO TELECOMMUNICATIONS PLANS FOR ALL DATA/VOICE/CABLING REQUIREMENTS. EC TO PROVIDE EMPTY BOXES AND RACEWAYS FOR ALL REQUIRED LOW VOLTAGE CABLING.
 - ALL RECEPTACLES ON EXTERIOR WALLS SHALL BE MOUNTED AT 18" AFF TO TOP OF DEVICE.
- KEYED NOTES:**
- PROVIDE FLOOR BOX PER SCHEDULE ON SHEET E001 WITH ELECTRICAL CONNECTION AND TECHNOLOGY ROUGH-IN.
 - PROVIDE RECEPTACLE UNDER COUNTER/SINK FOR FAUCET "PLUG-IN" TRANSFORMER.
 - PROVIDE 120V, 20AMP CONNECTION TO MOTORIZED PROJECTION SCREEN AND ASSOCIATED CONTROL. COORDINATE CONTROL REQUIREMENTS AND PROVIDE WIRING AND RACEWAYS AS REQUIRED.
 - ACCESS FLOOR MOUNTED FLOOR BOX SHALL BE PROVIDED/INSTALLED BY GC WITH ACCESS FLOOR. EC TO PROVIDE DEVICES & ROUGH-INS SHOWN WITHIN THE FLOOR BOX. COORDINATE ALL TELECOMMUNICATIONS REQUIREMENTS WITH TELECOMMUNICATIONS PLANS.
 - WALL MOUNTED RECEPTACLE/JUNCTION BOX SHALL BE INSTALLED IN WALL AT ANTENNA/UNIDIVIDED WALL PLATE HEIGHT WITHIN PARKING SHALL 234. REFER TO SHEET T20FOR SPECIFIC REQUIREMENTS.
 - PROVIDE A BOX FOR TECHNOLOGY AS REQUIRED. REFER TO SHEET T202 FOR SPECIFIC REQUIREMENTS.
 - PROVIDE A 120V CONNECTION TO W/V TRANSFORMER ABOVE CEILING. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.

- PROVIDE CONNECTION TO SPEED CONTROLLER, FAN, AND REVERSING POLE SWITCH. EC TO INSTALL SPEED CONTROLLER AND SWITCH PROVIDED BY MECHANICAL CONTRACTOR.
- LOCATE DEVICE IN CEILING FOR PROJECTOR.
- GROUND BUSS BAR. REFER TO DETAIL 14E000.
- PROVIDE A 120V CONNECTION TO TEMPERATURE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- NOT USED.
- PROVIDE RECEPTACLE ADJACENT TO TECHNOLOGY EQUIPMENT. COORDINATE RECEPTACLE MOUNTING HEIGHT AND LOCATION WITH ARCHITECTURAL DETAILS AND TECHNOLOGY CONTRACTOR.
- PROVIDE A 120V/20AMP CONNECTION TO HAND DRYER. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER.
- PROVIDE RELAY FROM FIRE ALARM PANEL TO ACCESS CONTROL SYSTEM TO RELEASE DOOR UPON FIRE ALARM.
- PROVIDE A 120V, 20AMP CONNECTION TO ELECTRIC WATER COOLER.
- PROVIDE A 120V, 20AMP CONNECTION TO SMOKE CURTAIN PROVIDE FIRE ALARM CONTROL MODULE FOR CONTROL THRU FIRE ALARM SYSTEM.
- PROVIDE A WIREMOLD #400 SERIES DIVIDED SURFACE MOUNTED RACEWAY WITH DEVICES AS SHOWN. MOUNT WIREMOLD LENGTH COUNTERTOP PER DETAIL 21A032.
- FIELD VERIFY EXISTING COREPENETRATIONS THROUGH 3-HOUR RATED WALL. COORDINATE USE OF THESE COREPENETRATIONS WITH DIVISION BUILDING E.C.



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PROJECT INFORMATION
 Fire Station
 Administration Office
 Building and Fire
 Station No. 1
 (Hovde Properties
 Tenant Improvements)
 Contract No. 6891

316 West Dayton St.
 Madison, WI 53703

ISSUANCE AND REVISIONS
 BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
1	01/09/2015	REVISION 1

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER
 PROJECT NUMBER 12149
 DATE 01/09/2015

ADMINISTRATION
 2ND FLOOR PLAN -
 POWER/SYSTEMS

E104P



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PROJECT INFORMATION

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ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
1	05/28/2015	ISSUED FOR BIDDING

KEY PLAN



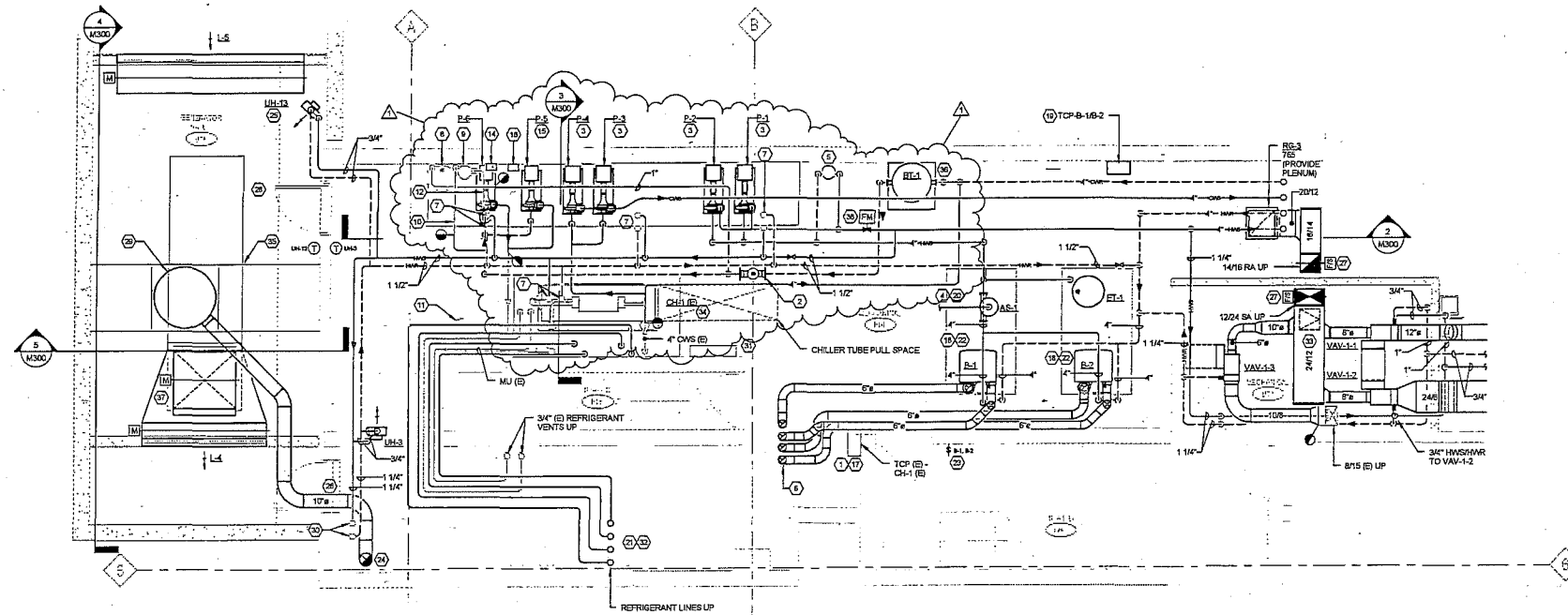
SHEET INFORMATION

PROJECT MANAGER
 PROJECT NUMBER 12149
 DATE 01/09/2015

LARGE SCALE
 MECHANICAL ROOM
 B01 PLAN - HVAC

M300

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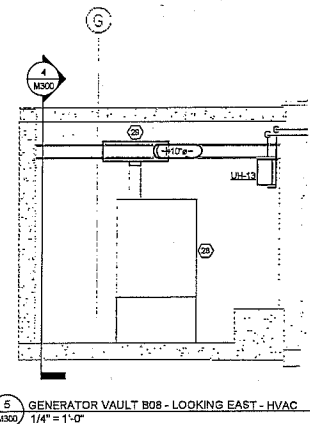


1 LARGE SCALE MECHANICAL ROOM B01 PLAN - HVAC
 M300 1/4" = 1'-0"

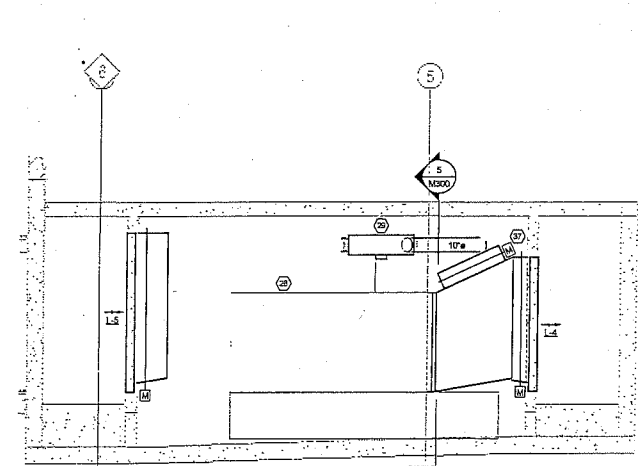
- GENERAL NOTES:**
- REFER TO CODE PLAN 0100 FOR REQUIRED RATINGS OF WALL AND FLOOR ASSEMBLIES. FIRE, SMOKE AND FIRE/SMOKE DAMPERS SHALL BE RATED TO MEET ASSEMBLY REQUIREMENTS.
 - HC TO PROVIDE 3'-0" CLEARANCE IN FRONT OF ALL VAV CONTROL PANELS IN ACCORDANCE WITH THE NEC.
 - HC SHALL VISIT AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. HC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.

KEYED NOTES:

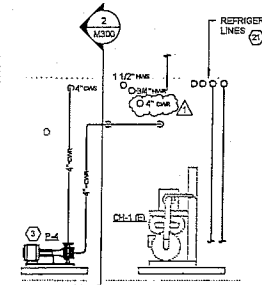
- COORDINATE WITH EC TO PROVIDE DATA CONNECTION/DC INTERFACE TO CHILLER TEMPERATURE CONTROL PANEL.
- RELOCATED EXISTING SPHEROTHERM VSR400 AIR SEPARATOR. EXTEND 1" TO EXISTING EXPANSION TANK.
- PUMPS TO OPERATE IN LEAD/LAG OPERATION. LOCATE CORRESPONDING VFD ON WALL ADJACENT TO PUMP.
- REFER TO DETAIL 5M801 FOR A&E AND E&I INSTALLATION REQUIREMENTS.
- CHEMICAL FEEDER HOT WATER SYSTEM LOCATION. PIPE 1" LINES TO PUMP SUCTION AND DISCHARGE AS SHOWN.
- 8" DOUBLE WALL BOILER VENT/COMB. AIR INTAKE FROM B&L AND B&2 UP THROUGH FLOOR. COORDINATE WITH GC FOR ACCESS TO EXISTING SHAFT. SUPPORT VENTING PER MANUFACTURER'S REQUIREMENTS.
- 3/4" HW/SW/WR UP TO NEW CONNECTOR.
- EXISTING B&L & GOSSETT B-165A EXPANSION TANK FOR CHILLED WATER SYSTEM.
- EXISTING BY-PASS CHEMICAL FEEDER - CHILLED WATER SYSTEM.
- EXISTING 1" LINE TO CHEMICAL FEEDER TO REMAIN.
- EXISTING 1" LINE TO EXPANSION TANK TO REMAIN.
- EXISTING 1" LINE FROM CHEMICAL FEEDER TO PUMP DISCHARGE TO REMAIN.
- EXISTING 1" MAKE-UP WATER TO EXPANSION TANK.
- P-8 DISCONNECT BY EC.
- PUMPS P-2, P-3 AND P-4 TO OPERATE IN LEAD/LAG OPERATION.
- P-5 DISCONNECT BY EC.
- EXISTING CHILLER TEMPERATURE CONTROL PANEL. COORDINATE WITH EC TO RECONNECT POWER TO TOP.
- HC TO COORDINATE WITH PC TO PROVIDE GAS PIPING CONNECTION TO BOILER(S), INCLUDING SHUT-OFF VALVE AND DIRT LEG.
- COORDINATE LOCATION OF TEMPERATURE CONTROL PANEL WITH EC TO PROVIDE POWER AND DATA CONNECTION. GC TO PROVIDE BACKER BOARD.
- PROVIDE MAKE-UP WATER FOR HOT WATER SYSTEM. COORDINATE EXISTING NON-POTABLE WATER CONNECTION WITH PC. REFER TO SHEET P-103.
- HC TO COORDINATE WITH CHILLER MANUFACTURER FOR REFRIGERANT LIQUID AND SUCTION SIZES, INCLUDING ALL VALVES AND ACCESSORIES REQUIRED.
- COORDINATE WITH EC TO PROVIDE A LOCAL LOCKABLE DISCONNECT FOR EACH BOILER AND AN EMERGENCY DISCONNECT SWITCH IN ACCORDANCE WITH CSA-1 (ASME).
- LOCATION FOR EMERGENCY DISCONNECT SWITCH. EC TO PROVIDE SWITCH AND POWER CONNECTION TO SWITCH.
- 10" Ø EXHAUST FROM GENERATOR THROUGH FLOOR. COORDINATE PENETRATION WITH GC.
- HC TO MOUNT L&L ON WALL BRACKET. PROVIDE ALL NECESSARY STRUCTURAL AND SUPPORTING ELEMENTS. COORDINATE PIPE PENETRATION WITH GC.
- HC TO COORDINATE GENERATOR EXHAUST PENETRATION WITH GC. PROVIDE SLEEVE FULL ANNULAR SPACE AND SEAL WATER-TIGHT.
- HC TO PROVIDE A COMBINATION FIRE/SMOKE DAMPER. HC TO COORDINATE WITH EC TO INTERLOCK FIRE/SMOKE DAMPER WITH NEAREST SMOKE DETECTION DEVICE. SMOKE DETECTION DEVICE AND INTERLOCK WIRING BY EC.
- GENERATOR PROVIDED BY EC.
- MUFFLER PROVIDED BY EC. HC TO INSTALL. PROVIDE EXHAUST CONNECTION BETWEEN MUFFLER AND FLEXIBLE EXHAUST CONNECTION ON EMERGENCY GENERATOR.
- 1 1/4" HW/SW/WR UP.
- Q&L (E) DISCONNECT. COORDINATE WITH EC TO RECONNECT POWER.
- HC TO REUSE EXISTING PENETRATIONS THROUGH FLOOR FOR NEW REFRIGERANT PIPING.
- PROVIDE ACCESS DOOR FOR COMBINATION FIRE/SMOKE DAMPER. REFER TO DETAIL 5M802 FOR ADDITIONAL REQUIREMENTS.
- REFER TO CHILLER AND CONDENSER SCHEDULE FOR NUMBER OF REFRIGERANT CIRCUITS.
- GC TO PROVIDE STRUCTURAL SUPPORT FOR EXHAUST MUFFLER.
- B&1 TO BE MOUNTED ON CONCRETE PAD BY HC. REFER TO DETAIL 10M600 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 4" BY-PASS AND DAMPER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- MINIMUM BY-PASS FLOW METER LOCATION. SET TO 28.0 GPM. REFER TO SEQUENCES FOR ADDITIONAL REQUIREMENTS.



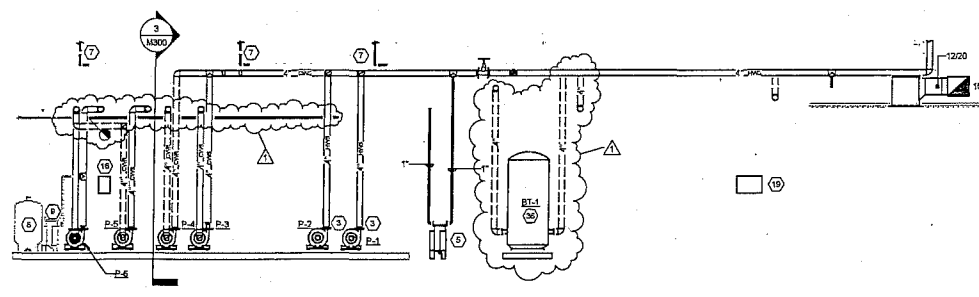
5 GENERATOR VAULT B08 - LOOKING EAST - HVAC
 M300 1/4" = 1'-0"



4 GENERATOR VAULT B08 SECTION - LOOKING SOUTH - HVAC
 M300 1/4" = 1'-0"



3 MECHANICAL ROOM B01 SECTION LOOKING SOUTH
 M300 1/4" = 1'-0"



2 MECHANICAL ROOM B01 SECTION LOOKING EAST
 M300 1/4" = 1'-0"

HC SHALL LOCATE ALL VAV BOXES AS SHOWN ON PLANS. IF MINIMUM REQUIRED CLEARANCE CANNOT BE MET OR VAV CANNOT BE INSTALLED IN THE LOCATION AS SHOWN, HC SHALL NOTIFY A/E PRIOR TO INSTALLING VAV BOX. ANY VAV BOX THAT IS REQUIRED TO BE RELOCATED MUST BE APPROVED BY THE A/E.

AIR DEVICE SCHEDULE

Table with columns for Unit No., Service, Manufacturer, Model No., Face Style, Finish, Material, Size (Capacity), CFM Range, Mounting, Damper, and Remarks. Includes a legend for supply grille types (EG, SG, LD, RE, TG).

GENERAL NOTES: 1. CONTRACTOR SHALL VERIFY MOUNTING SURFACE / FRAME REQUIREMENTS. 2. BRANCH DUCT SIZE TO DIFFUSER SHALL BE THE NECK SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE. 3. SEE SPECIFICATION FOR GRILLE, REGISTER, AND DIFFUSER FINISHES. 4. MAXIMUM STATIC PRESSURE DROP THROUGH GRILLE, REGISTER, OR DIFFUSER SHALL NOT EXCEED 0.1". 5. MAXIMUM NO. LEVELS FOR GRILLES, REGISTERS, OR DIFFUSERS SHALL NOT EXCEED 25. 6. UNLESS THROWN IS NOTED OTHERWISE, ALL DIFFUSERS SHALL BE 4-WAY THROWN.

PUMP SCHEDULE

Table with columns for Unit No., Location, Service, Type, Make, Model, Capacity (GPM), Pressure Head (FT), Shut-off Pressure Head (FT), Min. NPSH Required (FT), Inlet/Outlet (IN), Impeller Diameter, Min. Eff. %, RPM, BHP, HP, Voltage/Phase, VFD, Unit Weight (LBS), and Remarks.

KEYED NOTES: 1. PROVIDE PUMP WITH SHUT-OFF VALVE AND CHECK VALVE AT PUMP DISCHARGE AND SUCTION OF DIFFUSER/TRANSFER AT PUMP INLET. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HOT WATER UNIT HEATER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Type, Throw (FT), Airflow (CFM), BHP, Capacity (MBH), GPM, Inlet/Outlet (IN), LWT (FT), VPD (FT), Motor HP, Voltage/Phase, RPM, Fan Speed, and Remarks.

KEYED NOTES: 1. PROVIDE WITH DDC TEMPERATURE SENSOR.

HOT WATER CABINET UNIT HEATER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Capacity (MBH), Airflow (CFM), GPM, EWT (FT), VPD (FT), BHP, HP, Voltage/Phase, Fan Speed (RPM), Inverted Flow, Mounting, Recess (IN), and Remarks.

KEYED NOTES: 1. PROVIDE WITH FERRI-PAL FRAME, INTEGRAL DISCONNECT, AND DDC THERMOSTAT. CABINET UNIT HEATER TO BE WHITE. 2. PROVIDE INTEGRAL DISCONNECT, AND DDC THERMOSTAT, CABINET UNIT HEATER TO BE WHITE.

GAS-FIRED MAKE-UP AIR UNIT SCHEDULE

Table with columns for Unit No., Service, Manufacturer, Model No., Supply CFM, DA CFM, Ext. SP (IN WC), Fan Diameter, Fan Type, Int. Air Temp (°F), Leaving Air Temp (°F), Input Capacity, Output Capacity, Gas Pressure, Fan RPM, MCA, MSCP, Voltage/Phase, Fuel Type, Filter Type, Unit Weight, and Remarks.

KEYED NOTES: 1. PROVIDE WITH FIRM (OTS) MOUNTED CONTROL PANEL, DIRECT SPARK IGNITION, LOW-VOLT GAS PRESSURE SWITCH, BURNERMAN TEMPERATURE CONTROL, INLET MOTORIZED DAMPER, STAINLESS STEEL HEAT EXCHANGER, 251 INSULATING CONTROL, DOUBLE WALL INSULATION (ENTIRE HEAT AND GAS INTERFACE). 2. PROVIDE WITH TOP DISCHARGE.

EXPANSION TANK SCHEDULE

Table with columns for Unit No., Service, Location, Manufacturer, Model No., Acceptance Volume (GAL), Diameter (IN), Height (IN), Weight (LBS), Support, and Remarks.

KEYED NOTES: 1. 1/8" CONNECTION, TANK TO BE ASME 13.5 PSI RATED AND PRE-CHARGED TO 12 PSIG. 2. EXISTING CHILLED WATER EXPANSION TANK. VERIFY FILL PRESSURE AND ADJUST AS REQUIRED.

AIR COOLED CHILLER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Type, Refrigerant Type, Cooling Capacity (Tons), No. of Circuits, No. of Compressors, Refrigerant Connections, Max. Pressure (Water/Psig), EWT (°F), LWT (°F), Chiller Water GPM, WPD (IN WC), Water Volume (GAL), Volts, Phase, MCA, MSCP, Compressor FLA, Unit Weight (LBS), and Remarks.

KEYED NOTES: 1. EXISTING SPILT AIR COOLED CHILLER. 2. HVAC CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR FINAL REFRIGERANT LIQUID AND SUCTION LINE SIZES PRIOR TO INSTALLATION. PROVIDE ALL REQUIRED VALVES AND ACCESSORIES FOR A COMPLETE SYSTEM.

AIR COOLED CONDENSER UNIT SCHEDULE

Table with columns for Unit No., Service, Manufacturer, Model No., Nominal Capacity (Tons), Ambient Temp (°F), Condenser Temp (°F), Refrigerant Connections, Max. Pressure (Water/Psig), Air Flow (CFM), No. of Condenser Fans, Refrigerant Type, Refrigerant Charge, Refrigerant Line Size, Refrigerant Connection, Approx. Weight (LBS), MCA, MSCP, Compressor FLA, Unit Weight (LBS), and Remarks.

KEYED NOTES: 1. EXISTING AIR COOLED CONDENSER TO BE RELOCATED. HVAC CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR RELOCATION OF UNIT AND EQUIPMENT RAILS. 2. HVAC CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR FINAL REFRIGERANT LIQUID AND SUCTION LINE SIZES PRIOR TO INSTALLATION. PROVIDE ALL REQUIRED VALVES AND ACCESSORIES FOR A COMPLETE SYSTEM.

CHILLED WATER COIL SCHEDULE

Table with columns for Tag, Location, CFM, Face Velocity (FFM), Sensible Capacity (MBH), Total Capacity (MBH), GPM, # of Coils, Rows, Max. Fins/Inch, EWT (°F) / LWT (°F), EAT (°F) DB / EAT WB (°F), LAT (°F) DB / LAT WB (°F), WPD (FT), AFD (IN WC), TDY Type, and Remarks.

KEYED NOTES: 1. PROVIDE ALUMINUM FINN, COPPER HEADER AND 3/4" I.D. TUBES, AND STAINLESS STEEL DRAIN PAN. PROVIDE 2" COIL CASING WITH ACCESS DOOR UPSTREAM OF COIL. 2. RENEWABLE MANUFACTURER SUPPLIED COOLING COIL MODULE FOR ERV-1. PROVIDE ALUMINUM FINN AND COPPER TUBES.

HOT WATER FIN TUBE RADIATION SCHEDULE

Table with columns for Unit No., Manufacturer, Model No., Type, Enclosure Height (IN), Enclosure Depth (IN), Rows, Pipe Size, Length (FT), Avg. Water Temp (°F), Top of Encl. Mounting Height AFF, # of Tees, Water Temperature Drop (°F), Capacity (BTU/Hour/Linear FT), Tube Size, Tube Material, Fin Size, Fin Material, VFD, and Remarks.

GENERAL NOTES: 1. HC IS RESPONSIBLE FOR PROVIDING ALL REQUIRED WALL FIN ACCESSORIES INCLUDING END CAPS, INSIDE AND OUTSIDE CORNERS, AND CENTER TRIM NITS. 2. VERIFY FINAL ENCLOSURE MOUNTING HEIGHT WITH ARCHITECT AND GC PRIOR TO INSTALLATION.

KEYED NOTES: 1. WALL FIN TO HAVE OPPOSITE END SERIES B-TYPE CONNECTIONS. COORDINATE LOCATION WITH GC AND EC TO AVOID ELECTRICAL OUTLETS. 2. WALL FIN TO HAVE SAME END SERIES C AND D TYPE CONNECTIONS. HC RESPONSIBLE FOR COORDINATING CONNECTION TYPES, COORDINATE LOCATION WITH GC AND EC TO AVOID ELECTRICAL OUTLETS. 3. HC TO PROVIDE ALL REQUIRED POST MOUNTS, BASE PLATES, AND MOUNTING BRACKETS. BOTTOM OF ENCLOSURE TO BE MINIMUM OF 2" ABOVE FINISHED FLOOR. 4. REFER TO DETAIL A1A423 FOR MOUNTING HEIGHT REQUIREMENTS.

BUFFER TANK SCHEDULE

Table with columns for Unit No., Service, Location, Manufacturer, Model No., Volume (GAL), Rows, Diameter (IN), Height (IN), Design Code, Support, Weight - Empty (LBS), Weight - Full (LBS), and Remarks.

KEYED NOTES: 1. PROVIDE ALUMINUM FINN, COPPER HEADER AND 3/4" I.D. TUBES, AND STAINLESS STEEL DRAIN PAN. PROVIDE 2" COIL CASING WITH ACCESS DOOR UPSTREAM OF COIL. 2. RENEWABLE MANUFACTURER SUPPLIED COOLING COIL MODULE FOR ERV-1. PROVIDE ALUMINUM FINN AND COPPER TUBES.

HOT WATER BOILER SCHEDULE

Table with columns for Unit No., Location, Manufacturer, Model No., Natural Gas Input (MBH), Rated Brhdg Output (MBH), EWT, LWT, Hot Water (GPM), Vent/Take Diameter, Water Connection Dia (IN), Volts, Amps, Phase, MSCP, Unit Weight (LBS), and Remarks.

KEYED NOTES: 1. (R) 2002X12 AND (H) 2002X12 PLEATED FILTERS. 2. (H) 2002X12 AND (H) 2002X12 SH CARTRIDGE FILTERS. 3. (H) 2002X12 AND (H) 2002X12 PLEATED FILTERS. 4. (H) 2002X12 AND (H) 2002X12 SH CARTRIDGE FILTERS. 5. HC TO COORDINATE DRIVE LOCATION AND UNIT ORIENTATION WITH MANUFACTURER PRIOR TO INSTALLATION.

AIR HANDLING UNIT SCHEDULE

Table with columns for Unit No., Location, Service, Manufacturer, Model No., Air Flow (CFM), Min. OA (CFM), % O/T/DB Air, Fan Type, Wheel Type / Dia (IN), TSP (FPM) / ESP (W/G), Drive Type, RPM, BHP, HP, Volts, Phase, Locked Rotor Current, Full Load Current, VFD, Vibration Isolator Type, Vibration Isolator Deflection, Chilled Water Cooling Coil, EAT (°F) DB, EAT (°F) WB, LAT (°F) DB, LAT (°F) WB, # of Coils, Min. Rows, Max. Finish, Total Capacity (MBH), Sensible Capacity (MBH), Max. Face Velocity (FFM), Air PD (IN WC), Max. Water PD (FT), GPM, EWT (°F) / LWT (°F), TDY Size, Filters, Pre-Filter Type, Pre-Filter Efficiency, Pre-Filter Depth (IN), Max. Pre-Filter Velocity (FFM), Final Filter Type, Final Filter Efficiency, Final Filter Depth (IN), Max. Final Filter Velocity (FFM), and Remarks.

KEYED NOTES: 1. (R) 2002X12 AND (H) 2002X12 PLEATED FILTERS. 2. (H) 2002X12 AND (H) 2002X12 SH CARTRIDGE FILTERS. 3. (H) 2002X12 AND (H) 2002X12 PLEATED FILTERS. 4. (H) 2002X12 AND (H) 2002X12 SH CARTRIDGE FILTERS. 5. HC TO COORDINATE DRIVE LOCATION AND UNIT ORIENTATION WITH MANUFACTURER PRIOR TO INSTALLATION.



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PROJECT INFORMATION

Fire Station
Administration Office
Building and Fire
Station No. 1
(Hovde Properties
Tenant Improvements)
Contract No. 6891

316 West Dayton St.
Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

REVISIONS

Table with columns for #, Date, and Description.

KEY PLAN



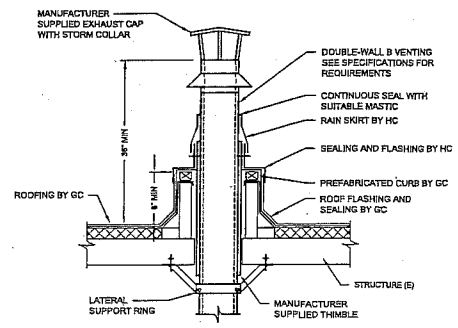
SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

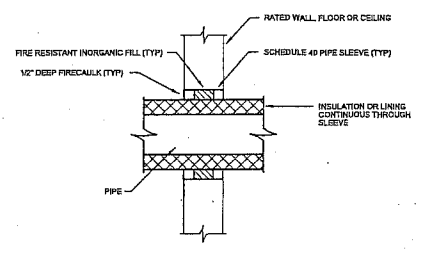
SCHEDULES - HVAC

M800

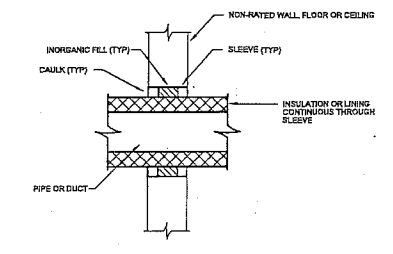
E
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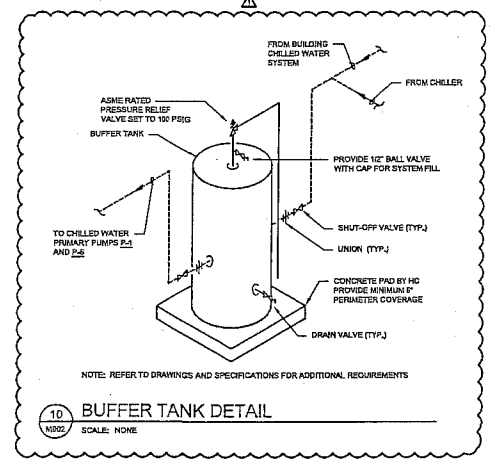
8 BOILER EXHAUST DETAIL
SCALE: NONE



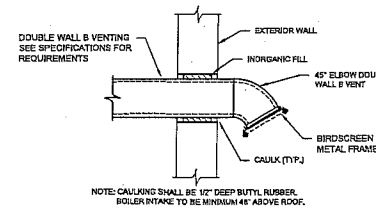
7 RATED WALL PIPE SLEEVE DETAIL
SCALE: NONE



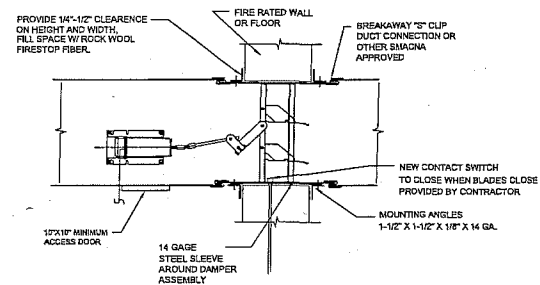
6 PIPE OR DUCT SLEEVE DETAIL
SCALE: NONE



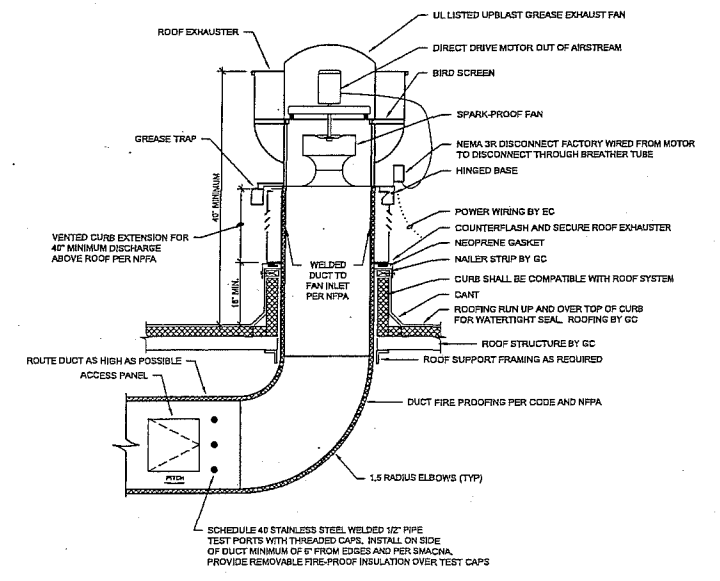
10 BUFFER TANK DETAIL
SCALE: NONE



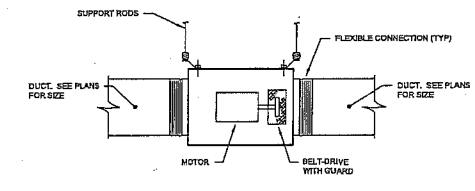
9 BOILER INTAKE DETAIL
SCALE: NONE



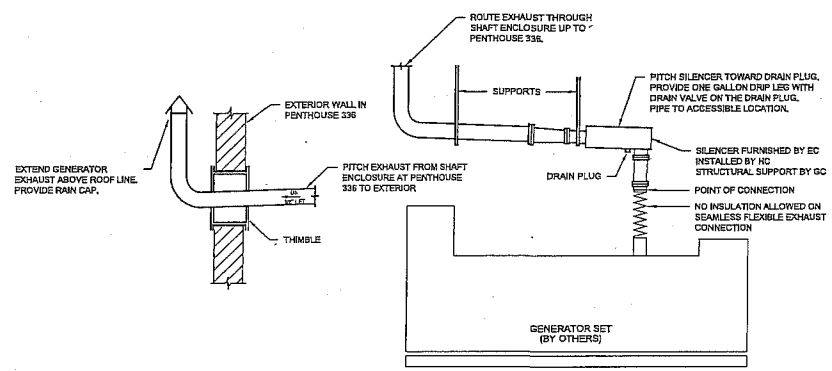
5 COMBINATION FIRE/SMOKE DAMPER DETAIL
SCALE: NONE



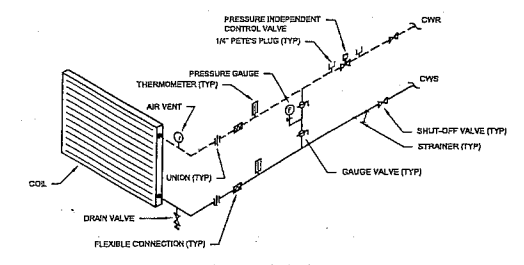
4 UPBLAST GREASE EXHAUST FAN
SCALE: NONE



3 INLINE EXHAUST FAN
SCALE: NONE



2 GENERATOR SET EXHAUST CONN.
SCALE: NONE



1 ENERGY RECOVERY UNIT (CC-3 & CC-4) CHILLED WATER COIL PIPING DETAIL
SCALE: NONE



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PROJECT INFORMATION
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(Hovde Properties
Tenant Improvements)
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316 West Dayton St.
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ISSUANCE AND REVISIONS
BID DOCUMENTS

#	DATE	DESCRIPTION
1	03/25/15	ISSUED FOR BIDDING

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

DETAILS - HVAC

M902

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PLUMBING FIXTURE SCHEDULE

Table with columns: ID, FIXTURE, WASTE (DFU, TRAP, VENT), WATER (COLD, HOT), DETAIL SHEET, DESCRIPTION/REMARKS. Includes fixtures like Dishwasher, Electric Water Cooler, Grease Interceptor, etc.

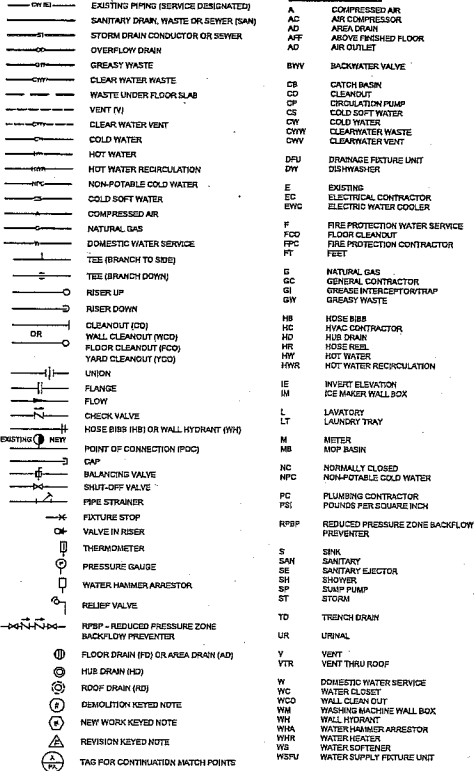
PLUMBING DRAIN & CLEANOUT SCHEDULE

Table with columns: ID, FIXTURE, WASTE (DFU, TRAP, VENT), DETAIL SHEET, DESCRIPTION/REMARKS. Includes Catch Basin, Floor Drain, Roof Drain, etc.

WATER CALCULATION WORKSHEET

Form for water calculation including demand of building, pressure available for uniform loss, and pressure available for individual fixtures.

PLUMBING LEGEND



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PROJECT INFORMATION
Fire Station Administration Office
Building and Fire Station No. 1

316 West Dayton St
Madison, WI 53703

ISSUANCE AND REVISIONS
BID DOCUMENTS

EJECTORS AND SUMP PUMPS SCHEDULE

Table with columns: ID, MANUFACTURER, MODEL #, HP, AMPS, VOLTS, PHASE, RPM, DISCHARGE, BASIN, DETAIL SHEET, DESCRIPTION/REMARKS.

WATER SOFTENER SCHEDULE

Table with columns: ID, MANUFACTURER, MODEL #, GPM, MAX PRESS, GRAIN CAPACITY, RESIN TANK SIZE, SALT STORAGE, DETAIL SHEET, DESCRIPTION/REMARKS.

CIRCULATION PUMP SCHEDULE

Table with columns: ID, MANUFACTURER, MODEL #, HP, AMPS, VOLTS, PHASE, RPM, DISCHARGE, DETAIL SHEET, DESCRIPTION/REMARKS.

PLUMBING SHEET INDEX

Index table listing sheets for Symbols, Abbreviations and Schedules - Plumbing, P000, P0100, etc.

REVISIONS

Table with columns: #, DATE, DESCRIPTION. Revision 1 dated 2/26/2015.

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER CG
PROJECT NUMBER 12149
DATE 01/09/2015

SYMBOLS, ABBREV. AND SCHEDULES - PLUMBING

P000
Epstein When Architects, Inc.



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 Madison, Wisconsin 53703
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PROJECT INFORMATION

Fire Station
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316 West Dayton St.
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ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
1	08/25/2015	ADDITION 1

KEY PLAN



SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/08/2015

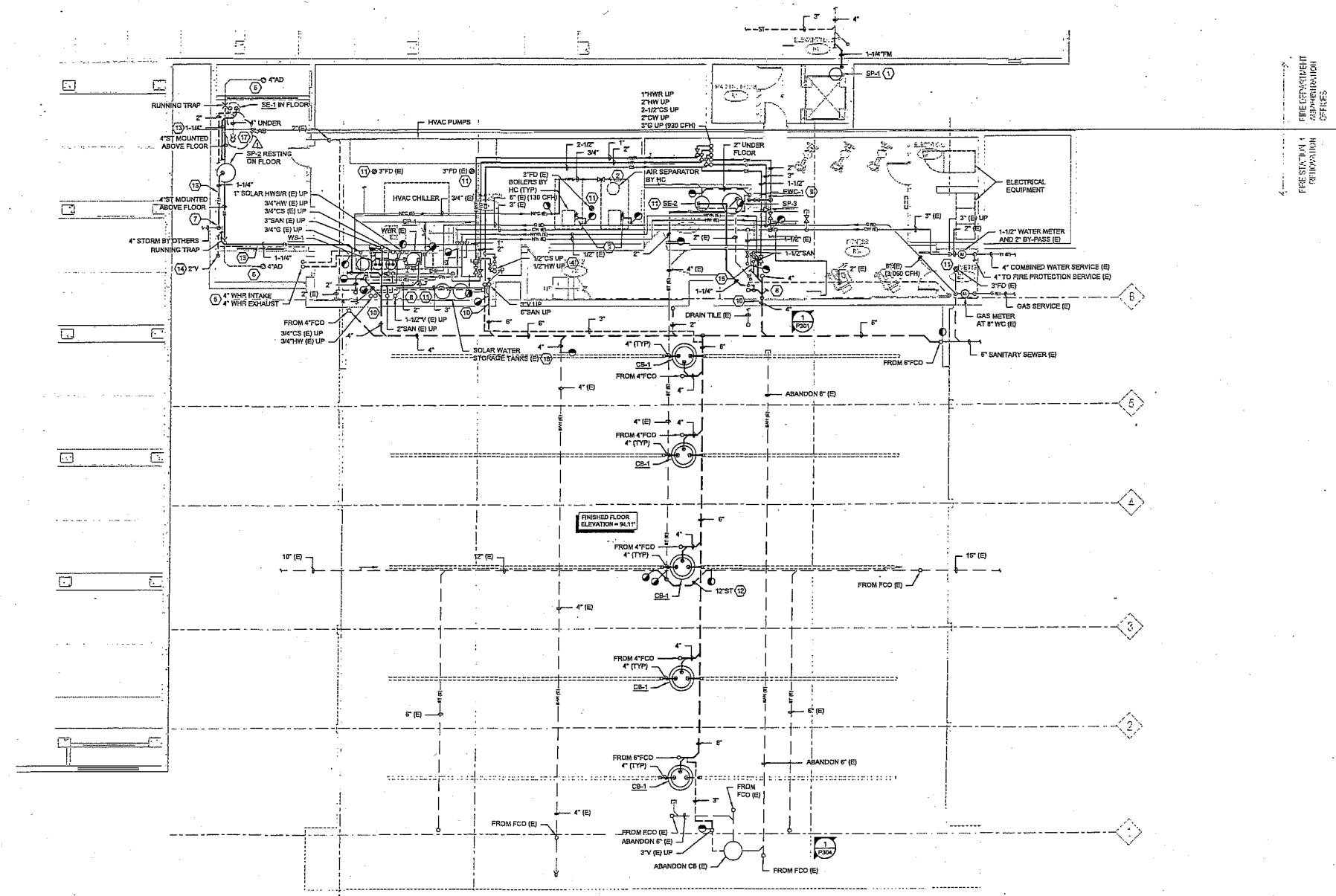
FS#1 BASEMENT AND ADMIN LOWER LEVEL PLAN - PLUMBING

P100

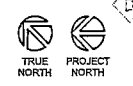
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E
D
C
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A

1 2 3 4 5 6 7



FS#1 BASEMENT AND ADMIN LOWER LEVEL PLAN - PLUMBING
 SCALE: 1/8\"/>



GENERAL NOTES:

1. FC SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE AE IMMEDIATELY BEFORE COMMENCING WORK.
1. CONNECT SUMP PUMP (SP-1) DISCHARGE TO STORM PIPING SYSTEM IN HOVDE BUILDING PARKING GARAGE. COORDINATE LOCATION WITH HOVDE FC.
2. CONNECT 3/4\"/>

KEYED NOTES:

10. INSTALL 1/2\"/>
- 11. PROVIDE LINK-SEAL FOR NEW SANITARY SEWER PIPE THRU EXISTING FOUNDATION WALL OPENING.
- 12. FLUSH AND CLEAN ALL FLOOR DRAINS IN BASEMENT AND SANITARY EJECTOR SUMP ONCE CONSTRUCTION IS COMPLETE.
- 13. OFFSET 12\"/>
- 14. SUPPORT ABOVE GROUND PIPING FROM WALL. DO NOT SUPPORT FROM GENERATOR VAULT LID. SLOPE ALL FORCE MAIN PIPING TOWARDS CONNECTION TO GRAVITY DRAIN.
- 15. INSTALL 2\"/>
- 16. CONNECT 1-1/2\"/>
- 17. REFILL THE SOLAR WATER SYSTEM WITH 50% FOOD GRADE PROPYLENE GLYCOL SOLUTION.
- 18. FLOOR DRAIN, SANITARY EJECTOR BASIN, AND DRAIN PIPING TO SANITARY EJECTOR BASIN SHALL BE INSTALLED BY HOVDE BUILDING CONTRACTOR. DRAIN PIPING AND BASIN SHOWN FOR REFERENCE.

7. SUMP PUMP (SP-2) SHALL DISCHARGE TO GRAVITY STORM PIPE STUBBED INTO GENERATOR PIT BY OTHERS. FC SHALL PUMP INTO TOP OF GRAVITY STORM. COORDINATE GRAVITY STORM LOCATION WITH HOVDE CONTRACTOR.
8. REPLACE ALL EXISTING SANITARY WITH NEW. CONNECT TO EXISTING FIXTURES AS REQUIRED.



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PROJECT INFORMATION

Fire Station
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316 West Dayton St.
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ISSUANCE AND REVISIONS

BID DOCUMENTS

REVISIONS

#	DATE	DESCRIPTION
1	01/09/2015	ADDITIONAL 1

KEY PLAN



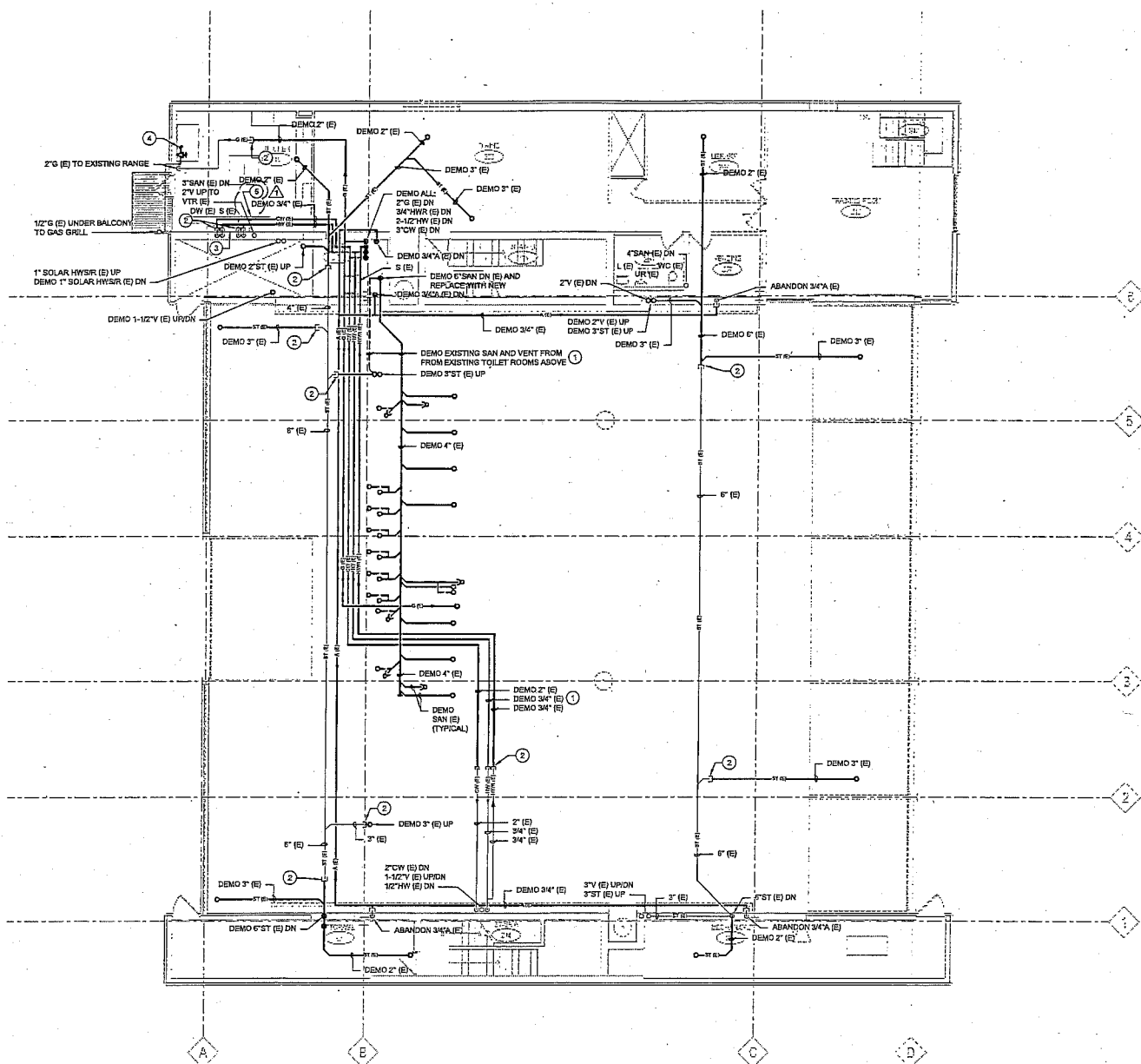
SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/09/2015

FS#1 2ND FLOOR
 DEMOLITION PLAN -
 PLUMBING

PD102

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1 FS#1 2ND FLOOR DEMOLITION PLAN - PLUMBING
 SCALE: 1/8\"/>



GENERAL NOTES:

1. PC SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE AE IMMEDIATELY BEFORE COMMENCING WORK.

KEYED NOTES:

- 1 DEMOLISH UTILITIES SERVING PLUMBING FIXTURES IN THIRD FLOOR SLEEPING AREA COMPLETE. PIPING SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS AND REMOVE ALL EXISTING PIPING.
- 2 TEMPORARILY CAP EXISTING SERVICE(S) FOR FUTURE EXTENSION. REFER TO NEW WORK PLAN P102.
- 3 DISCONNECT SECOND COMPARTMENT WASTE FROM SANITARY IN WALL AND CAP EXISTING SANITARY AT WALL. ROUTE SECOND COMPARTMENT WASTE TO NEW GREASE INTERCEPTOR. REFER TO NEW WORK PLAN P102.
- 4 RELOCATE EXISTING GAS VALVES BEHIND EXISTING RANGE FOR NEW FURRED OUT WALL. COORDINATE WITH GC.
- 5 REMOVE TRIPLE COMPARTMENT SINK AND DISCONNECT PIPING TEMPORARILY FOR NEW CEILING AND FLOORING INSTALLATION. REINSTALL SINK AND RECONNECT ALL PLUMBING CONNECTIONS ONCE CEILING AND FLOORING INSTALLATION IS COMPLETE. COORDINATE WITH GC.



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 BID DOCUMENTS

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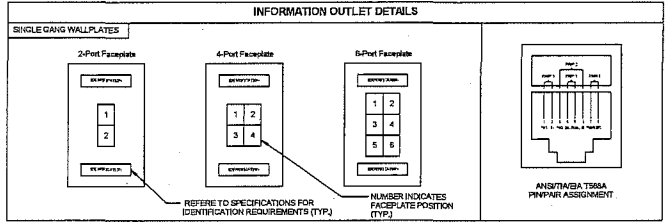
KEY PLAN



SHEET INFORMATION

PROJECT MANAGER CG
 PROJECT NUMBER 12149
 DATE 01/03/2015

SCHEDULES-
 TECHNOLOGY
T600
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INFORMATION OUTLET SCHEDULE

JACK TYPE	TO SCHEDULE DESCRIPTION
6P	BLANK FILLER NICODALE
6P	ICAT 6R-645

NOTE: REFER TO THE INFORMATION OUTLET SCHEDULE LEGEND FOR POSITION JACK TYPE DESCRIPTION, THE INFORMATION OUTLET DETAILS ON 217500 AND TECHNOLOGY EQUIPMENT SCHEDULE ON DRAWING T601 FOR ADDITIONAL INFORMATION.

CONFIGURATION	FACEPLATE FEATURES												SCHEDULE NOTES			
	FACEPLATE PORTS	POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	POSITION 6 JACK TYPE	POSITION 7 JACK TYPE	POSITION 8 JACK TYPE	POSITION 9 JACK TYPE	POSITION 10 JACK TYPE	POSITION 11 JACK TYPE		POSITION 12 JACK TYPE		
CI	2	DATA	DATA													
CI	2	DATA	DATA													
CI	2	DATA	DATA	DATA	BL											
CI	2	DATA	DATA	DATA	BL	DATA	BLANK	BLANK								
CI	2	DATA	DATA	DATA	DATA	DATA	DATA									
CI	2	DATA	DATA	DATA	DATA	DATA	DATA									
CI	2	DATA	DATA	DATA	DATA	DATA	DATA									

SCHEDULE NOTES
 1. TERMINATE WITH A FIELD INSTALLED MALE RJ45 PLUG FOR DIRECT CONNECTION TO OWNER PROVIDED WIRELESS ACCESS POINT.

CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE

ELECTRONIC DOOR HARDWARE SUCH AS ELECTRIC STRIKES, ELECTRIC LATCH RETRACTION, ETC., SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE ON DRAWING T601 FOR CREDENTIAL READER TYPE INFORMATION.

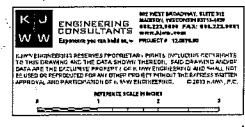
DOOR #	ROUGH-IN ONLY	CREDENTIAL READER TYPE	INTEGRATION	REQUEST TO EXIT	DOOR HARDWARE	OTHER	NOTES
101S		MULTIPLE CREDENTIAL READERS OPERATES SINGLE DOOR					
101S		OPERATOR MULTIPLE DOORS					
101S		WIRELESS					
101S		AUTOMATIC DOOR OPERATOR					
101S		ELEVATOR					
101S		LOCKED BY EMERGENCY EGRESS SEQUENCE					
101S		INFRANT PROTECTION					
101S		INTERCOM INTEGRATION					
101S		INTRUSION DETECTION					
101S		REMOTE UNLOCK VIA FIRE COMMAND CENTER					
101S		VIDEO SURVEILLANCE					
101S		WANDER PREVENTION SYSTEM					
101S		INTERNAL ELECTRIFIED HARDWARE CONNECTION					
101S		LOCAL PUSHBUTTON DOOR HARDWARE OVERRIDE					
101S		MOTION DETECTOR					
101S		REMOTE PUSH BUTTON OVERRIDE					
101S		ELECTRONIC LOCKING HARDWARE (BY GENERAL CONTRACTOR)					
101S		HAG LOCK					
101S		LATCH STATUS DETECTION					
101S		LOCAL ALARM HORN					
101S		MONITOR LATCH BOLT					
101S		MONITOR DOOR POSITION SWITCH SPDT					
101S		MONITOR DOOR POSITION SWITCH DPDT					
101S		MONITOR MAGNETIC POSITION SWITCH					
101S		DELAYED EGRESS					
101S		LOCAL 120VAC POWER SUPPLY					
101S		SCHEDULE BASED LOCKING					

CAMERA (CCTV) TYPE SCHEDULE

CAMERA TYPE CODE	LENS				CAMERA				ENCLOSURE												NOTES																			
	FOCAL LENGTH	FEATURES	SENSOR SIZE	MAXIMUM RESOLUTION	SENSITIVITY TYPE	SHUTTER SPEED	COMPRESSION CODEC	MAXIMUM FRAME RATE	DAY/NIGHT	INFRARED	POLE MOUNT	ROOF MOUNT	DIGITAL ZOOM	WIRELESS	TCP/IP	CMOS	RECEIVED DOME	POLE MOUNT	POLE MOUNT	POLE MOUNT		EXPOSED CAMERA	CEILING PENDANT	WALL PENDANT	WALL MOUNT	CEILING MOUNT	POLE MOUNT	CORNER MOUNT	PARAPET MOUNT	SPECIALTY HOUSING (SEE NOTES)	FINISH	INDOOR (NEMA 1)	OUTDOOR (NEMA 4)	WARRANTY	WARRANTY	WARRANTY	ENVIRONMENTAL SENSORS	ENCLOSURE WIPER BLADE	INTERNAL BLOWER/FAN	SUN SHIELD
CAW1	2.5 mm	* * *	* * *	800	600	1.4@F1.8	1/25000-1/8 S	30																				WHITE												AXIS P9634
CAW2	2.8 mm	* * *	* * *	800	600	1.4@F1.8	1/25000-1/8 S	30																					WHITE											AXIS P9634
CAW3	3.3mm-19mm	* * *	* * *	736	576	0.8@F1.4	1/90000-0.5 S	30																					WHITE											AXIS Q654-E

INDIVIDUAL CAMERA (CCTV) REQUIREMENTS SCHEDULE

CAMERA #	CAMERA TYPE CODE	IP CAMERA STORAGE CALCULATION BASIS	RECORDED RESOLUTION				FIELD OF VIEW		DETAIL REFERENCE	NOTES
			H. RESOLUTION	V. RESOLUTION	MIN. RESOLUTION	MAX. RESOLUTION	FIELD OF VIEW	MINIMUM PIXELS PER FOOT ON TARGET		
PA202	CAW1	1024	800	600	1.4@F1.8	1/25000-1/8 S	0	GENERAL VIEW OF CORRIDOR	27001	
PA202	CAW2	1024	800	600	1.4@F1.8	1/25000-1/8 S	0	GENERAL VIEW OF CORRIDOR	17001	
PA203	CAW1	1024	800	600	1.4@F1.8	1/25000-1/8 S	0	STARTS WITH THE ADMIN LOBBY	17001	
PAL121	CAW2	1024	800	600	1.4@F1.8	1/25000-1/8 S	0	STARTS WITH THE ADMIN LOBBY	17001	
PAL122	CAW2	1024	800	600	1.4@F1.8	1/25000-1/8 S	0	STARTS WITH THE ADMIN LOBBY	17001	
PBL121	CAW3	1024	736	576	0.8@F1.4	1/90000-0.5 S	0	ADMIN LOBBY VIEW	37001	
PBL122	CAW3	1024	736	576	0.8@F1.4	1/90000-0.5 S	0	EXTERIOR VIEW	37001	





Department of Public Works
Engineering Division
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Assistant City Engineer

Michael R. Dailey, P.E.

Principal Engineer 2

Gregory T. Fries, P.E.

Principal Engineer 1

Christina M. Bachmann, P.E.

Eric L. Dundee, P.E.

John S. Fahrney, P.E.

Christopher J. Petykowski, P.E.

Facilities & Sustainability

Jeanne E. Hoffman, Manager

Operations Manager

Kathleen M. Cryan

Mapping Section Manager

Eric T. Pederson, P.S.

Financial Manager

Steven B. Danner-Rivers

February 3, 2015

**NOTICE OF ADDENDUM
ADDENDUM NO. 2**

**CONTRACT NO. 6891, PROJECT NO. 53W1434
FIRE STATION ADMIN OFFICE BUILDING and FIRE STATION 1**

Revise and amend the contract document(s) for the above project as stated below, otherwise the original document and Addendum 1 shall remain in effect.

- A. **Specification 07 53 23, Section 2.1:** modify the following subsection as follows:
- Page 07 53 23-3, subparagraph A: EPDM Membrane Roofing: ASTM D4637, Type 1; WHITE, non-reinforced, 90-mil ~~60-mil~~ EPDM...

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 Bid Express at <https://www.bidexpress.com/>

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

For questions regarding this bid, contact:

Randy Wiesner
City of Madison Engineering
Phone: 608-267-8679
Fax: 608-264-9275
Email: rwiesner@cityofmadison.com

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



SECTION E: BIDDERS ACKNOWLEDGEMENT

CONTRACT TITLE FIRE STATION ADMIN OFFICE BLDG & FIRE STATION 1

CONTRACT NO. 6891

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. 1 through 2 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 J.H. Findorff & Son Inc. (name of corporation 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 _____ State of _____; 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.

Dave Beck-Engel
SIGNATURE

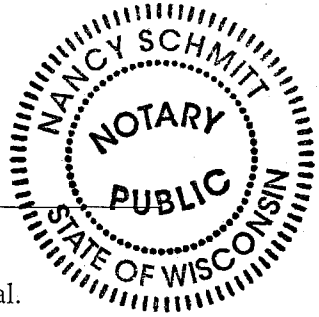
Dave Beck-Engel, President
TITLE, IF ANY

Sworn and subscribed to before me this Sixth day of February, 2015.

Nancy Schmitt
(Notary Public or other officer authorized to administer oaths)

My Commission Expires 8-17-18

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



SECTION F: DISCLOSURE OF OWNERSHIP & BEST VALUE CONTRACTING

FIRE STATION ADMIN OFFICE BLDG & FIRE STATION 1 CONTRACT NO. 6891

State of Wisconsin
Department of Workforce Development
Equal Rights Division
Labor Standards Bureau

Disclosure of Ownership

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) and 103.49(7)(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), Wisconsin Statutes. 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

NONE

Street Address or P O Box

City

State

Zip Code

Name of Business

Street Address or P O Box

City

State

Zip Code

Name of Business

Street Address or P O Box

City

State

Zip Code

I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.

Print the Name of Authorized Officer

Dave Beck-Engel, President

Signature of Authorized Officer

[Handwritten Signature]

Date Signed

2/6/15

Name of Corporation, Partnership or Sole Proprietorship

J.H. Findorff & Son Inc.

Street Address or P O Box

300 S. Bedford St.

City

Madison

State

WI

Zip Code

53703

If you have any questions call (608) 266-0028

ERD-7777-E (R. 09/2003)

**FIRE STATION ADMIN OFFICE BUILDING AND FIRE STATION 1
CONTRACT NO. 6891**

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 & FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER & DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER & WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER & FINISHER
- TELECOMMUNICATIONS (VOICE, DATA & VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

FIRE STATION ADMIN OFFICE BUILDING AND FIRE STATION 1
CONTRACT NO. 6891

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: J.H. Findorff & Son Inc.

Address: 300 S. Bedford St., Madison, WI 53703

Telephone Number: (608) 257-5321 Fax Number: (608) 257-5306

Contact Person/Title: Philip Voo, Chief Estimator

Prime Bidder Certification

I, Dave Beck-Engel, President of
Name Title

J.H. Findorff & Son Inc. certify that the information
Company

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

Linda Lee
Witness' Signature

Dave Beck-Engel
Bidder's Signature

2/6/2015
Date

J. H. Findorff & Son Inc.

Contract No.: 6891

Title: Fire Station Admin Office
Building & Fire Station 1

Section B: Proposal Page

Revision
Item ID
50825

3

Item Code
90001

Description
Base Bid

Quantity
1

Units
Lump Sum

Unit Price
\$ 8,383,000





Department of Public Works
City Engineering Division

Larry D. Nelson, 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

608 266 4751

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

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

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

Operations Supervisor
Kathleen M. Cryan

Hydrogeologist
Joseph L. DeMorett, P.G.

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

Financial Officer
Steven B. Danner-Rivers

BIENNIAL BID BOND

J. H. Findorff & Son, Inc.

(a corporation of the State of Wisconsin)

(~~individual~~), (~~partnership~~), (hereinafter referred to as the "Principal") and

Travelers Casualty and Surety Company of America,

a corporation of the State of CT (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 1, 2014 through January 31, 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

J. H. FINDORFF & SON, INC.
COMPANY NAME AFFIX SEAL

December 30, 2013
DATE

By: 
SIGNATURE AND TITLE
Tim J. Stadelman, Secretary

SURETY

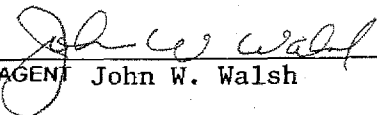
TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
COMPANY NAME AFFIX SEAL

December 30, 2013
DATE

By: 
SIGNATURE AND TITLE John W. Walsh,
Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under License No. 168955 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.

December 30, 2013
DATE


AGENT John W. Walsh

c/o Cobb Strecker Dunphy & Zimmermann, Inc.
4726 East Towne Blvd, Ste 230
ADDRESS

Madison, WI 53704
CITY, STATE AND ZIP CODE

608-242-2550
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.

PROJECT:

CERTIFICATE OF BIENNIAL BID BOND

TIME PERIOD - VALID (FROM/TO)
February 1, 2014 - January 31, 2016
NAME OF SURETY
Travelers Casualty and Surety Company of America
NAME OF CONTRACTOR
J. H. Findorff & Son, Inc.
CERTIFICATE HOLDER
City of Madison, Wisconsin

This is to certify that a biennial bid bond issued by the above-named Surety is currently on file with the City of Madison.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the biennial bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing Surety will give thirty (30) days written notice to the certificate holder indicated above.



SIGNATURE OF AUTHORIZED CONTRACTOR REPRESENTATIVE

12/30/13

DATE



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 223953

Certificate No. 005004941

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

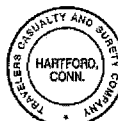
John W. Walsh, Betsy K. Wright, and Tina L. Domask

of the City of Madison, State of Wisconsin, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 20th day of August, 2012

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: George W. Thompson, Senior Vice President

On this the 20th day of August, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 30th day of December, 2013.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

SECTION H: AGREEMENT

THIS AGREEMENT made this 4th day of March in the year Two Thousand and Fifteen between J. H. FINDORFF & SON, 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 3, 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:

**FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE
STATION NO. 1 – (HOVDE PROPERTY TENANT IMPROVEMENTS)
CONTRACT NO. 6891**

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 EIGHT MILLION THREE HUNDRED EIGHTY-THREE THOUSAND (\$8,383,000.00) 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.

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.)

**FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE
STATION NO. 1 – (HOVDE PROPERTIES TENANT IMPROVEMENTS)
CONTRACT NO. 6891**

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:

J.H. FINDORFF & SON, INC.

Tom Largent 3/22/15
Witness Date

[Signature] 3/2/15
Witness Date

Company Name

David Paul E. [Signature] 3/2/15
President Date

T. Stadelma [Signature] 3/2/15
Secretary Date

CITY OF MADISON, WISCONSIN

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

Approved as to form:

[Signature]
Finance Director

Signed this 24th day of _____

[Signature]
Witness

[Signature]
Witness

[Signature]
City Attorney

[Signature] 2015
Mayor Date

Maibeth Wigel-Behl 3-10-2015
City Clerk Date



SECTION 1: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we J. H. FINDORFF & SON, INC. as principal, and TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA Company of Hartford, CT as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **EIGHT MILLION THREE HUNDRED EIGHTY-THREE THOUSAND (\$8,383,000.00)** 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:

FIRE STATION ADMINISTRATION OFFICE BUILDING AND FIRE STATION NO. 1 - (HOVDE PROPERTIES TENANT IMPROVEMENTS) CONTRACT NO. 6891

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 4th day of March, 2015

Countersigned:

[Signature]
Witness

[Signature]
Secretary

J.H. FINDORFF & SON, INC.
Company Name (Principal)
[Signature]
President Seal

Approved as to form:

[Signature]
City Attorney

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
Surety Seal
 Salary Employee Commission
By [Signature]
Attorney-in-Fact John W. Walsh

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 168955 for the year 20 15, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

March 4, 2015
Date

[Signature]
Agent Signature John W. Walsh



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 228043

Certificate No. 005933778

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

John W. Walsh, Betsy K. Wright, Tina L. Domask, and Ross S. Squires

of the City of Madison, State of Wisconsin, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 2nd day of June, 2014.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
Robert L. Raney, Senior Vice President

On this the 2nd day of June, 2014, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 4th day of March, 2015.


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

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:	<p>Time and one-half must be paid for all hours worked:</p> <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. <p>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.</p> <p>A DOT Premium (discussed below) may supersede this time and one-half requirement.</p>
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 Loftsman; Add \$.75/hr for Sheet Piling Loftsman. 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	Roofer 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, Dumptror, 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		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
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		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
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; Gantry (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; Sced (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
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Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

SKILLED TRADES

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
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		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
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		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	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		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 \$.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				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
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				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
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/Screeed; 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

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 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	Roofer or Waterproofer	29.40	11.31	40.71

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
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		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 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, Dumptror, 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/busines/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 <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 \$1.05/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, 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
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 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 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 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> \$
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/busines/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/busines/civilrights/laborwages/pwc.htm .	37.22	21.15	58.37

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
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/busines/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/busines/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	Roofer or Waterproofer	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 <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 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 <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
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/busines/civilrights/laborwages/pwc.htm .	37.72	21.15	58.87

Fringe Benefits Must Be Paid On All 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/busines/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/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); 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/busines/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/busines/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 <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
554	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. 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.	36.17	20.80	56.97
555	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. 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
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

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
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	Roofer 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 <u>All</u> 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 <u>All</u> 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, Timbco, 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	<p>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.</p>	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 *****

