



CITY of NOVI CITY COUNCIL

**Agenda Item 5
November 24, 2014**

SUBJECT: Approval to award the Civic Center and Police Headquarters Air Handler Replacement Project to R.W. Mead and Sons Inc., the low bidder, in the amount of \$456,950.

SUBMITTING DEPARTMENT: Facilities Management

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$456,950
AMOUNT BUDGETED	101-265.00-976.000 - \$361,716 101-301.00-976.000 - \$151,800
APPROPRIATION REQUIRED	\$ N/A
LINE ITEM NUMBER	101-265.00-976.000 - \$336,700 101-301.00-976.000 - \$120,250

BACKGROUND INFORMATION:

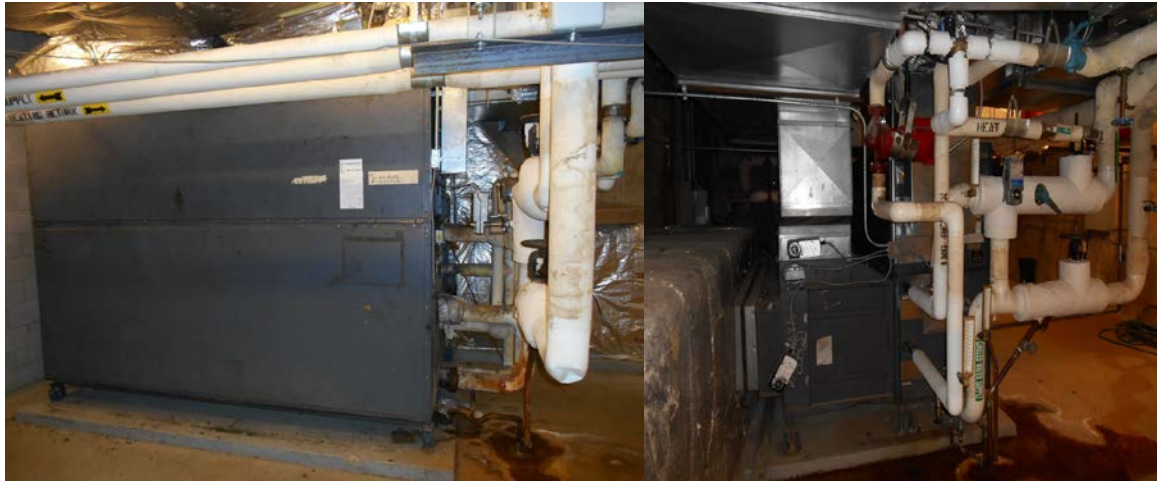
This project will consist of the complete replacement of the following Air Handling Units:

- Two AHU's at the Police Headquarters
- Four AHU's at the Civic Center

An air handler, or air handling unit (often abbreviated to AHU), is a device used to condition and circulate air as part of a heating, ventilating, and air-conditioning (HVAC) system. An air handler is usually a large metal box containing a blower, heating or cooling elements filter racks or chambers, sound attenuators, and dampers. Air handlers usually connect to a ductwork ventilation system that distributes the conditioned air through the building and returns it to the AHU. The Police Headquarters houses two air handling units while the Civic Center houses four, the units are responsible for providing airflow to over 90% of the building areas. These units are over 25 years old and currently well past their normal life expectancy. This has led to an increase in maintenance costs, a trend that has been increasing substantially. The replacement of these units is a preventative action to prevent a total failure event.

The project will be scheduled to commence in the spring of 2015 with an estimated completion in 45 working days. The scope is calling for a phased approach meaning only one unit will be down at any given time allowing that specific area under construction to be completely on portable heat allowing the least impact on normal business operations.

The Request for Proposal for the Civic Center and Police Headquarter Air Handler Replacement Project was posted on the Michigan Intergovernmental Trade Network (MITN) website. A mandatory pre-bid meeting was held on site on October 22, 2014 which was attended by six firms. We received three bids in response to the Request for Proposal. After careful review it is the recommendation to award Civic Center and Police Headquarter Air Handler Replacement Project to R.W. Mead.



RECOMMENDED ACTION: Approval to award the Civic Center and Police Headquarters Air Handler Replacement Project to R.W. Mead and Sons Inc., the low bidder, in the amount of \$456,950.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Markham				

	1	2	Y	N
Council Member Mutch				
Council Member Poupard				
Council Member Wrobel				

CITY OF NOVI
Civic Center & Police Dept. Air Handler Replacement
Thursday, November 06, 2014

Company	R.W. Mead & Sons	Tech Mechanical	Delta Temp
A. Total Base Bid (Lump Sum)	\$ 416,950.00	\$ 458,980.00	\$ 516,190.00
1. Base Bid Breakdown - Civic Center Units	\$ 311,700.00	\$ 342,200.00	\$ 363,980.00
2. Base Bid Breakdown - Police Dept Units	\$ 105,250.00	\$ 116,780.00	\$ 152,210.00
B. Alternate - Temporary Heating (Lump Sum)	\$ 40,000.00	\$4,800 + gas	\$ 10,000.00
Days required to complete the job	40 working days	10 weeks + equipment delivery	Civic 19, Police 11
Addenda	Y	Y	Y
Bid bond included	Y	Y	N
Exceptions to specifications	-Scheduling of area of crane access to Civic Center & Police Department. Upgrade to existing building automation system	None	
Comments	Units will be dismantled and removed individually. Only one (1) unit will be out of service at a time which may not require the use of supplemental heating. Space heaters will be provided if in service units do not provide adequate heating to specific areas.	Temporary heat will be ducted to the existing duct system utilizing gas fired indirect mobil heaters.	



CITY OF NOVI
CIVIC CENTER & POLICE DEPT. AIR HANDLER REPLACEMENT

BID FORM

We, the undersigned as bidder, propose to furnish to the City of Novi, according to the specifications, terms, conditions and instructions attached hereto and made a part thereof:

A. Total Lump Sum Base Bid \$ 416,950.00 **Lump Sum**
 • **Broken Down as Follows:**
 1. Civic Center Units: \$ 311,700.00
 2. Police Dept. Units: \$ 105,250.00

B. Alternate:

Provide lump sum price to provide temporary heating for areas affected by the downtime required for the replacement of the existing units. Provide a full description of the intended method for providing this temporary heating.

\$ 40,000.00 **Lump Sum**

Days required to complete the job 40 working days

We acknowledge receipt of the following Addenda: #1
(please indicate numbers)

EXCEPTIONS TO SPECIFICATIONS (all exceptions must be noted here):

-Scheduling of area for Crane access to Civic Center & Police Department

-Upgrade to existing building automation system

COMMENTS: Units will be dismantled and removed individually. Only (1)
one unit will be out of service at a time which may not require the use
of supplemental heating. Space heaters will be provided if in service
units do not provide adequate heating to specific areas.

REFERENCES: Please provide at least three client (3) references for projects of similar scope done in the last 3 years.

Company City of Novi
Address 45175 W. Ten Mile Rd., Novi MI 48375
Phone 248-756-4842 Contact name Brandon McCullough

Company Warren Waste Water Treatment Plant
Address 32360 Warkop Ave., Warren MI 48093
Phone 586-202-8720 Contact name Joe Kovalcik

Company Jonna Companies
Address 39533 Woodward Ave., Bloomfield Hills MI 48034
Phone 248-417-3701 Contact name Christopher Piligian

THIS BID SUBMITTED BY:

Company (Legal Registration) R.W. Mead & Sons, Inc.
Address 33795 Riviera
City Fraser State MI Zip 48026
Telephone 586-296-3650 Fax 586-294-0410

Agent's Name John Mora

Agent's Title Contract/Project Manager

Signature 

E-mail jmora@rwmead.com

Date 11-6-14

CITY OF NOVI

AIR HANDLER REPLACEMENT

Civic Center - 45175 W 10 MILE ROAD
 Police Station - 45125 W 10 MILE ROAD

NOVI, MICHIGAN 48375
 NOVI, MICHIGAN 48375

DRAWING LIST

GENERAL

G-001 DRAWING LIST / LOCATION PLAN

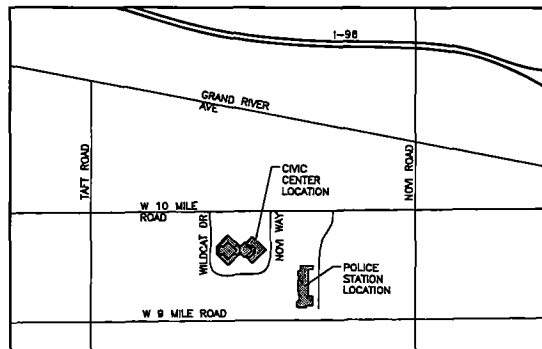
MECHANICAL

M-001 MECHANICAL GENERAL NOTES AND DETAILS
 M-100 (PS) MECHANICAL LOWER LEVEL FLOOR PLANS - HVAC DEMOLITION AND NEW WORK
 M-101 (CC) WEST MECHANICAL ROOM B-200 FLOOR PLANS - HVAC DEMOLITION AND NEW WORK
 M-102 (CC) EAST MECHANICAL ROOM A-300 FLOOR PLANS - HVAC DEMOLITION AND NEW WORK

ELECTRICAL

E-03 ELECTRICAL SYMBOLS AND SCHEDULES
 E-100 (PS) ELECTRICAL POWER PLAN DEMO & NEW WORK
 E-101 (CC) ELECTRICAL FLOOR PLANS - DEMO AND NEW WORK - WEST MECHANICAL ROOM
 E-102 (CC) ELECTRICAL FLOOR PLANS - DEMO AND NEW WORK - EAST MECHANICAL ROOM

BIDS 10-01-14



LOCATION PLAN
 NO SCALE



CLIENT:

CITY OF NOVI

45175 W 10 MILE ROAD
 NOVI, MICHIGAN
 48375

ARCHITECTURAL / STRUCTURAL / MECHANICAL / ELECTRICAL:
NSA ARCHITECTS, ENGINEERS, PLANNERS

FARMINGTON HILLS, MICHIGAN
 (248) 477-244

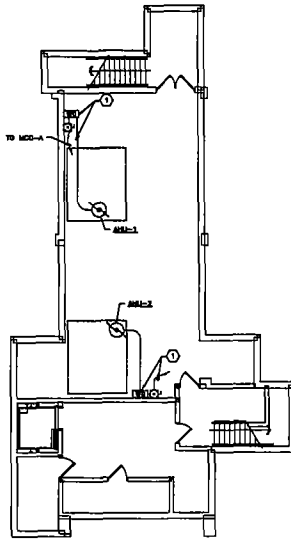
CITY OF NOVI
 CIVIC CENTER & POLICE STATION AIR HANDLER REPLACEMENT
 ISSUED FOR OWNER REVIEW
 DATE: 09-14

NSA ARCHITECTS, ENGINEERS, PLANNERS
 2500 W. FARMINGTON HILLS ROAD
 FARMINGTON HILLS, MI 48334
 (248) 477-2444
 www.nsaarchitects.com



PROJECT NO.
 214172B

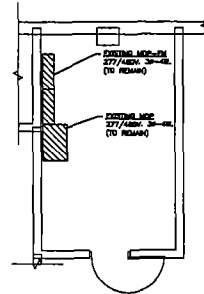
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 G-001



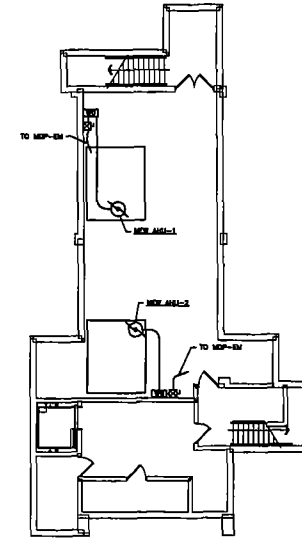
ELECTRICAL FLOOR PLAN - DEMO
SCALE: 1/8" = 1'-0"

KEY NOTES:

- 1 DISCONNECT FOR REMOVAL BY MECHANICAL TRADES. REMOVE WIRING AND CONDUIT COMPLETE TO SOURCE.



ENLARGED ELECTRICAL FLOOR PLAN
FIRST FLOOR ELECTRICAL ROOM
SCALE: 1/8" = 1'-0"



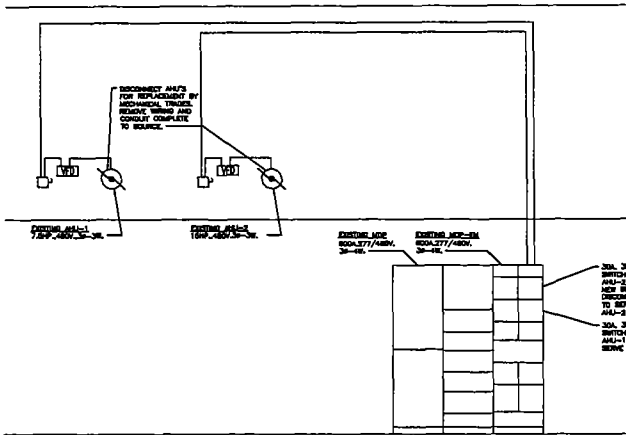
ELECTRICAL FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"



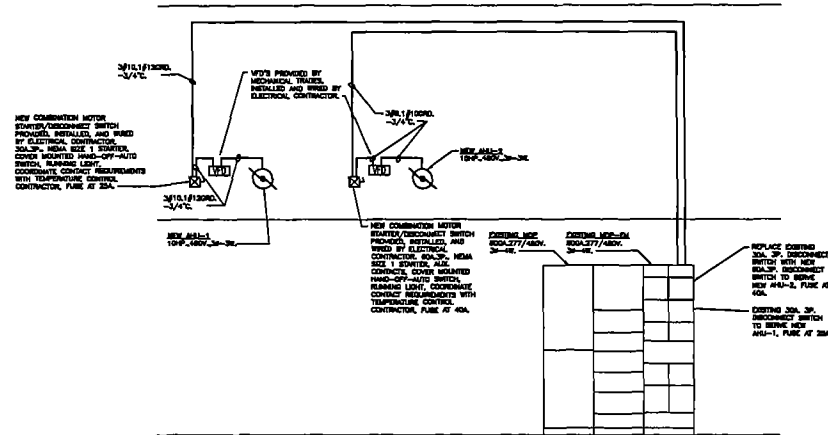
NOVI MI

Project File:
**CIVIC CENTER & POLICE STATION
AIR HANDLER
REPLACEMENT**

Date: 8-18-14 Issued by:
OWNERS REVIEW
WDS-14



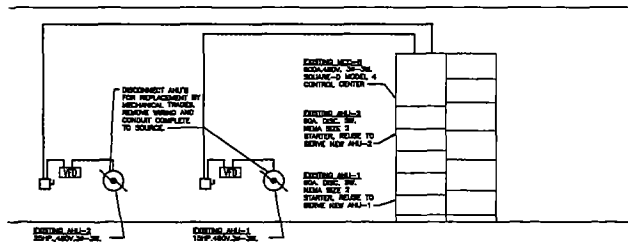
PARTIAL POWER RISER DIAGRAM - DEMO
NO SCALE



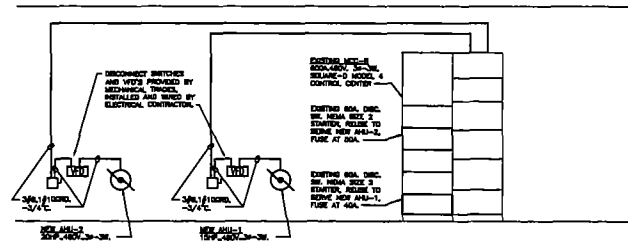
PARTIAL POWER RISER DIAGRAM - NEW WORK
NO SCALE

Drawn: JC Designer: JC
Checked: Approver:
CAD Drawing File:
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NSA Architects, Engineers, Planners
Project Number:
214117/214118

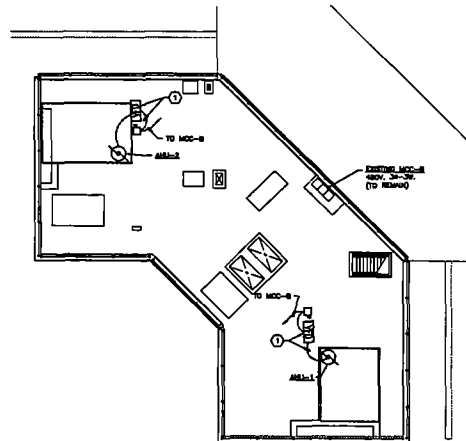
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**ELECTRICAL
POWER PLAN
DEMO & NEW WORK**



PARTIAL POWER RISER DIAGRAM - DEMO
NO SCALE



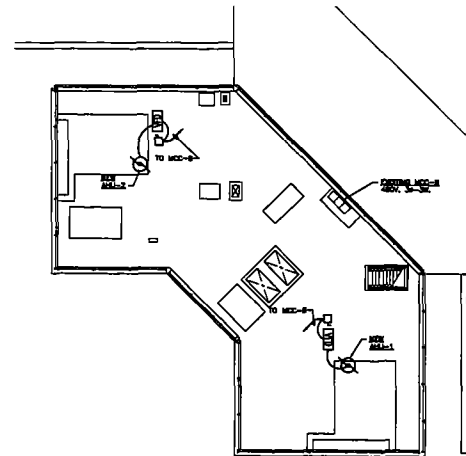
PARTIAL POWER RISER DIAGRAM - NEW WORK
NO SCALE



ELECTRICAL FLOOR PLAN - DEMO - WEST MECHANICAL ROOM
SCALE: 1/8" = 1'-0"

KEY NOTES:

- 1. DISCONNECT FOR REMOVAL BY MECHANICAL TRUCK. REMOVE BONDING AND DISCONNECT COMPLETE TO SOURCE.



ELECTRICAL FLOOR PLAN - NEW WORK - WEST MECHANICAL ROOM
SCALE: 1/8" = 1'-0"



NOVI MI

Project Title:
**CIVIC CENTER &
POLICE STATION
AIR HANDLER
REPLACEMENT**

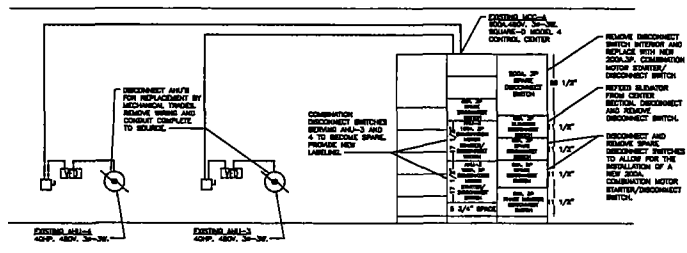
Date: 08-18-14 based by:
1949-14 OWNER'S REVIEW BCS

Drawn:	DL	Designed:	JC
Checked:	FK	Approved:	CA

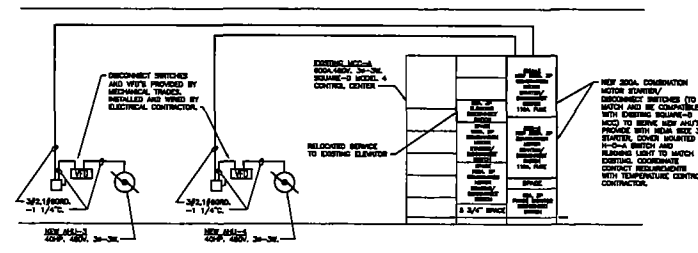
CAD Drawing File:
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Paper Number: 214117/214118

Sheet Title:
**ELECTRICAL
FLOOR PLANS-
DEMO AND
NEW WORK-WEST
MECHANICAL ROOM**

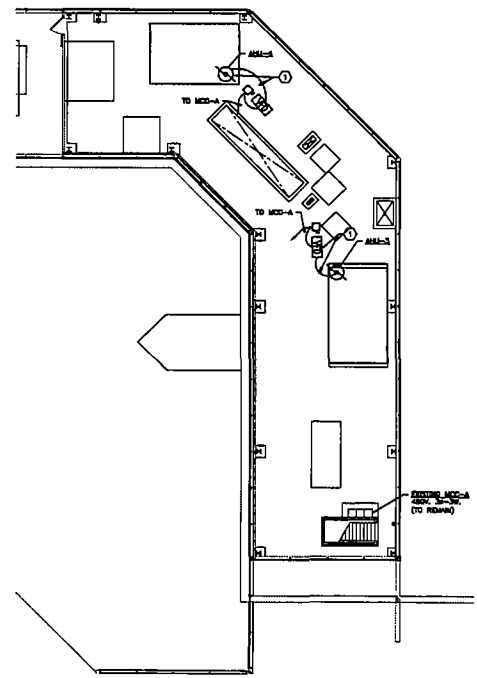
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E-101 (CC)



PARTIAL POWER RISER DIAGRAM - DEMO
NO SCALE

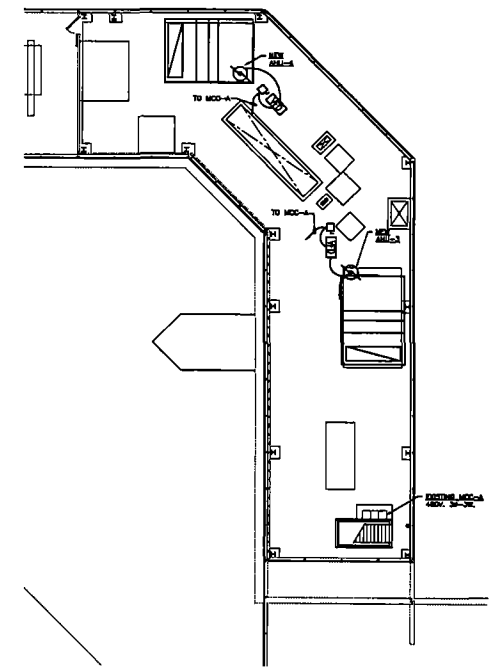


PARTIAL POWER RISER DIAGRAM - NEW WORK
NO SCALE



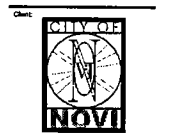
ELECTRICAL FLOOR PLAN - DEMO - EAST MECHANICAL ROOM
SCALE: 1/8" = 1'-0"

KEY NOTES:
① DISCONNECT FOR REMOVAL BY MECHANICAL TRUCKS. REMOVE WIRING AND CONSULT COMPLETE TO SOURCE.



ELECTRICAL FLOOR PLAN - NEW WORK - EAST MECHANICAL ROOM
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION



NOVI MI
Project Title:
**CIVIC CENTER & POLICE STATION
AIR HANDLER
REPLACEMENT**

Date: 04/14/14
10/04/14
Issued By: CHANES BOSTON
BOS

Drawn: BL
Checked: FK
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Project Number:
214117/214118

Sheet Title:
**ELECTRICAL
FLOOR PLANS-
DEMO AND
NEW WORK - EAST
MECHANICAL ROOM**

Sheet Number:
E-102 (CC)