



TETRA TECH

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Addendum #02

Delaware Army National Guard

New Castle, Delaware

Bid Pack A – NDI Room Upgrades

Tt Project No.: 200-76984-13012

DEARNG Contract # 21-2103

Bid Pack B – Paint Room Upgrades

Tt Project No.: 200-76984-13014

DEARNG Contract # 23-2103

Addendum No. 02
to
Drawings and Project Manual

August 1, 2014

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated July 11, 2014,

PROJECT MANUAL dated July 11, 2014.

ADDENDUM 01, dated July 18, 2014.

Acknowledge receipt of the ADDENDA in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of three (3) pages and attachments:

CORRECTIONS TO ADDENDUM 01

2.1 Pre-Bid Meeting Record

A. Item 2, **CHANGE** zip code to read "19720."

B. Item 8A, **CHANGE** to read, "Only one copy of the Bid Form is necessary."

C. Item 8B; **ADD** "on page 2" (Contractors shall identify the time of construction "on page 2" of their Bid Form.

CHANGES TO PROJECT MANUAL

2.2 Bid Pack B - Section 41 34 23.33 OPEN FACE PAINT SPRAY BOOTH

A. Article 2.1 Open Face Paint Booth

1. Paragraph C. **CHANGE** the following to read:

"Working Dimensions: 14'- 0" wide x 7'- 0" high x 7'- 0" working depth

Overall Dimensions: 14'- 4" wide x 7'- 10" high x 11'- 2" overall depth"

2. **ADD** the following paragraph in its entirety:

“G. Personnel Door

1. Provide model number MDUG-3684-O personnel door with observation window in side wall to line up with existing side door.”

B. Article 2.4 Pre-wired Electrical Control Panel

1. Paragraph B, **ADD** the following:

“NEMA 4 Enclosure
Deluxe Control Panel
Dirty Filter Interlock
Digital Temperature Readout
Air Balance Control System
Air Proving Interlock”

2. **ADD** the following Paragraph in its entirety.

“C. Unit control panel and make-up air unit controller shall be capable of communicating with the Building’s Central DDC/ATC Control System (Trane Summit Controls) through one of the following open protocols, BACnet, LONtalk or MODBUS, regarding system operators and alarms.”

CHANGES TO DRAWINGS

2.3 Sheet P-401 – Bid Pack A

- A. **ADD** Sketch SKP-401.1 – Bid Pack A revising Sheet P-401. This sketch adds shut off valves to the two (2) floor drains with floor boxes.

2.4 Sheet M-001 – Bid Pack B

- A. **ADD** Sketch SKM-001.1 Bid Pack B indicating the required gas piping.

2.5 Sheet M402 – Bid Pack B

- A. **ADD** Sketch SKM-402.1 Bid Pack B indicating exhaust fan stack detail.

CLARIFICATIONS/RFI’S

- 2.4 Paint Room and make-up air equipment must be able to communicate with the existing DDC/ATC Control System (Trane Summit Controls) through one of the following open protocols, BACnet, LONtalk or MODBUS.

- 2.5 C+D Contractors, Inc. email, dated 7/31/14:

- A. Are we to assume the man door between Room D122 paint room and D121 will no longer be used? New paint spray booth is 10’-2” deep without filter doors. This doorway will be blocked by the new booth.

Response: No; the side door will remain and the new paint booth will need to be modified. A personnel door with an observation window, part number MDUG-3684-O, will replace one of the side panels and be located opposite the existing side door. Working compartment will become 7 feet long consisting of a 3-foot and 4-foot section. The Filter doors are part of the new entrance door system opposite the paint booth.

- B. Where is the gas connection for the new MUA unit on the roof? There are no gas lines shown anywhere.

Response: The gas line has been added under this Addendum. Refer to Sketch SKM 402.1 Bid Pack B.

C. Is the new spray booth to have 2 lights or 4? This size booth comes standard with 2.

Response: Drawing E-401 shows two (2) light fixtures in the Paint Booth.

D. Is the new axial exhaust fan for the booth to be mounted inside of building or up on the roof?

Response: On the roof as indicated on Drawing M-402. Refer to Sketch SKM-001.1 Bid Pack B for clarification.

E. How high above lower roof can we terminate the stack from the spray booth? I have figured 6'.

Response: There is an operable window in Classroom D-124 within 10 feet. The Exhaust Fan is located 6 feet from the window and the code requires it to be 10 feet from operable openings. The location of the fan is not flexible. As a result the top of the discharge needs to be at 8 feet. Refer to Sketch SKM-001.1 Bid Pack B for clarification.

F. Structural drawings show nothing to attach guy wires from the exhaust stack to attach to. Are guy wires needed when stack is only 6 feet above roof?

Response: The manufacturer indicates that guy wires are not needed below heights of 12 feet.

G. I'm assuming we are to reuse the air filter and regulator that are shown already in place for the air to the booth?

Response: Yes; the Utility Pipes are just being routed around the room and being reconnected to the existing stations.

ATTACHMENT

Sketch SKP-401.1
Sketch SKM-001.1
Sketch SKM-402.1

END OF ADDENDUM 02

ROOF
VENTILATOR

8'-0"

EXTERIOR FAN AND
MOTOR WITH MOTOR
COVER

FAN SUPPORT
STAND

FLANGE

ROOF

EXHAUST DUCTWORK INSTALLATION DETAIL

N.T.S.



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8/1/2014

Rev.:

Date:

Proj. No.: 200-76984-13014

Date: 08-01-14

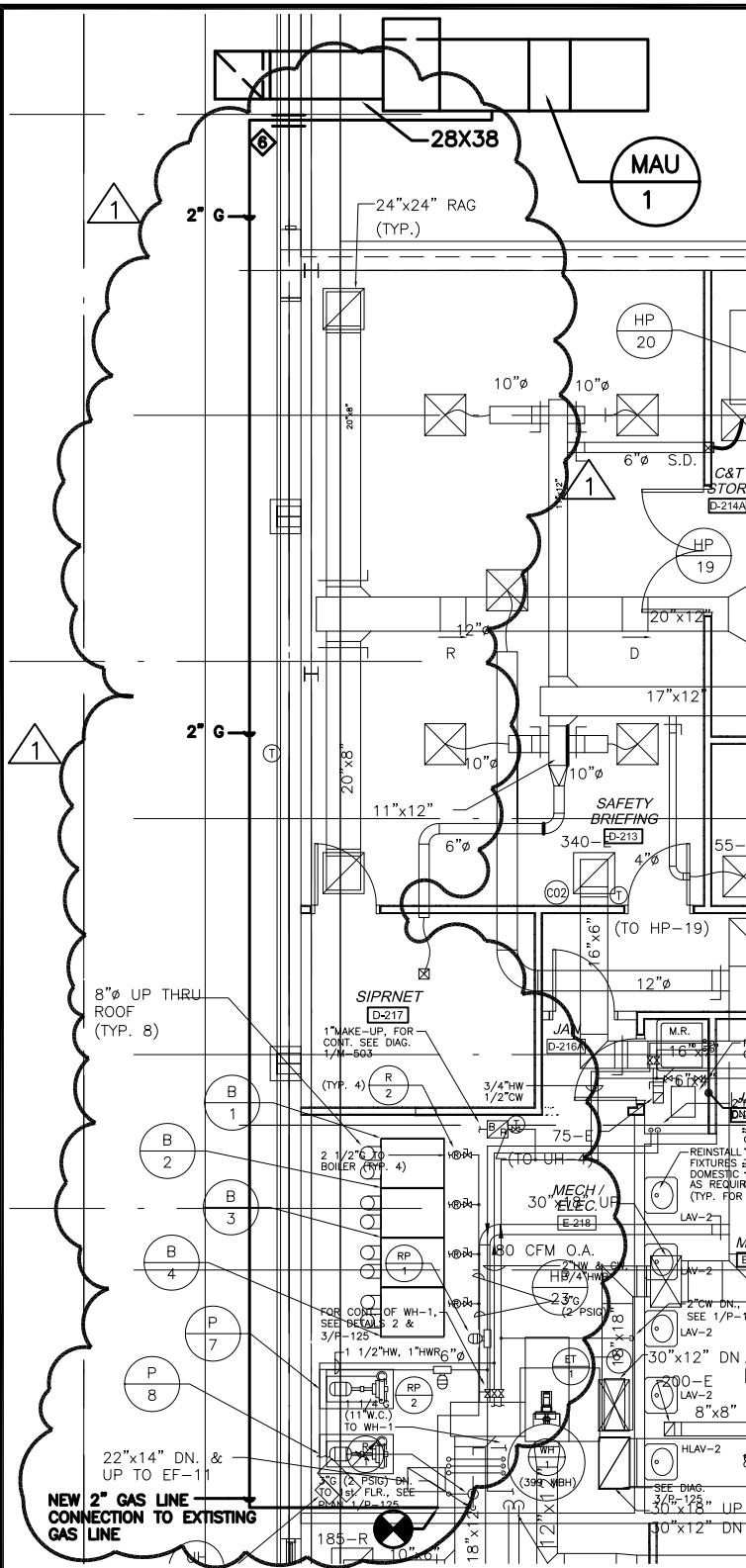
Drawn By: JS

Drawing No.:

PAINT ROOM BID PAC -B ADDENDUM #2

DUCTWORK INSTALLATION DETAIL

SKM-001.1



NEW WORK NOTES

- 1 PROVIDE AND INSTALL NEW EXHAUST FAN TO SERVE BREAK ROOM. FAN TO BE MOUNTED ON ROOF.
- 2 INSTALL NEW MOD IN EXISTING 10X10 DUCT. MOD TO BE INTERLOCKED WITH THE NEW PAINT ROOM H&V UNIT.
- 3 PROVIDE AND INSTALL NEW EXHAUST FAN FOR PAINT ROOM BOOTH. MODIFY EXISTING ROOF OPENING AS NECESSARY.
- 4 PROVIDE AND INSTALL NEW OPEN FACE PAINT SPRAY BOOTH.
- 5 INSTALL NEW HEATING WATER WATER PIPING. RACK PIPING ON WALL ABOVE PAINT ROOM DOORS.
- 6 SLEEVE AND SEAL GAS PIPE PENETRATION THRU WALL.



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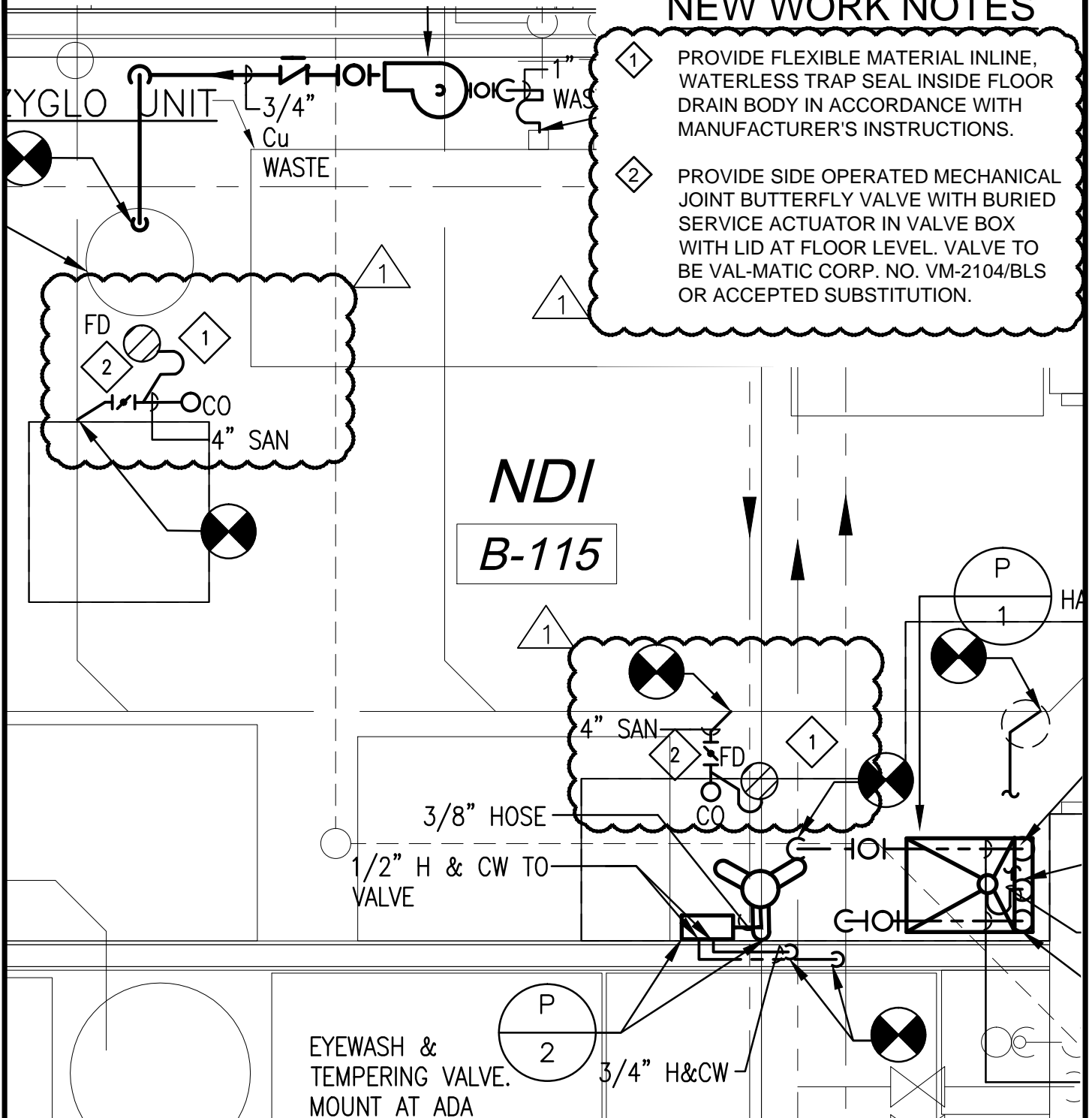
Drawing No.:

PAINT ROOM BID PAC -B ADDENDUM #2
2ND FLOOR PLUMBING PLAN - GAS PIPING

SKM-402.1

NEW WORK NOTES

- 1 PROVIDE FLEXIBLE MATERIAL INLINE, WATERLESS TRAP SEAL INSIDE FLOOR DRAIN BODY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 2 PROVIDE SIDE OPERATED MECHANICAL JOINT BUTTERFLY VALVE WITH BURIED SERVICE ACTUATOR IN VALVE BOX WITH LID AT FLOOR LEVEL. VALVE TO BE VAL-MATIC CORP. NO. VM-2104/BLS OR ACCEPTED SUBSTITUTION.



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Drawing No.:

NDI BID PAC-A ADDENDUM #2

1ST FLOOR PLUMBING PLAN

SKP-401.1