

July 10, 2015:

ADDENDUM NO. 1
to the
Iowa Department of Transportation
Proposal No. 14648
For North Des Moines Maintenance Facility
Letting Date: 7/22/2015

Notice To Bidders:

This Addendum is issued to incorporate the following additions, deletions, corrections, and/or clarifications to the terms or specifications and shall hereby be considered a part of the final contract documents. This Addendum shall supersede, modify and/or change all statements to the contrary in the bid proposal and shall take precedence over previous terms or specifications.

CHANGE: Changes to the Drawings: Sheet A-12: Replace Sheet A-12 with Sheet A-12R with revision date 7-9-2015. The Window Schedule was revised on Sheet A-12R.

Sheet A-5: Clarification: Window styles W2 and W3 that are listed in the Window Schedule are shown and noted on Sheet A-5, Exterior Elevations.

Approved substitution Section 08 1113 – Hollow Metal Doors and Frames; Paragraph 2.01.A: Add Ceco Trio E Hollow Metal Door and Ceco Thermal Break Frame to list of approved manufacturers.

ADDENDUM INDEX

APPLICABLE TO THE PROJECT MANUAL: Items #1 through Item 4 inclusive.

APPLICABLE TO THE DRAWINGS: Items 5 through Item 8 inclusive.

APPLICABLE TO THE PROJECT MANUAL

ITEM #1 SECTION 23 31 13 – METAL DUCTS

A. **Delete** the word "Basis of Design" from Paragraph 2.1.A.

ITEM #2 SECTION 23 31 13 – METAL DUCTS

A. **Add** the following article, paragraphs, and subparagraphs:

2.7 SINGLE-WALL ROUND DUCTS AND FITTINGS

A. General Fabrication Requirements: Comply with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Chapter 3, "Round, Oval, and Flexible Duct," based on indicated static-pressure class unless otherwise indicated.

B. Manufacturers:

1 Basis of Design: Lindab.

- C. Materials:
- 1 Galvanized steel conforming to ASTM standards A653 and A924 conforming to the latest SMACNA HVAC Duct Construction Standards.
 - 2 EPDM sealing gasket to conform to ASTM E84-91A and NFPA 90A flame spread and smoke developed ratings of 25/50.
- D. Construction:
- 1 Spiral lock-seam construction with a mechanically formed seam locking indentation evenly spaced along the spiral seam. All spiral duct greater than 7 inch diameter incorporates multiple corrugations between the spiral seams.
- E. Fittings
- 1 All fitting ends shall come factory equipped with a double lipped, U-profile, EPDM rubber gasket.
 - 2 The gasket is to be mechanically attached to the fitting using a spot welded stainless steel metal band located in a groove at the end of the fitting.
 - 3 All fitting ends shall have rolled over edges for added strength and rigidity.
 - 4 All elbows from 3" to 12" diameter shall be 2 pieces die stamped and continuously stitch welded.
 - 5 All fittings that are of either spot-welded or button punched construction shall be internally sealed. When contract documents require divided flow fittings, only full body fittings will be accepted. The use of duct taps is unacceptable.
- F. Volume and Balancing dampers:
- 1 Damper shall be fitting sized to slip into the spiral duct with a double lipped, U-profile, EPDM rubber gasket.
 - 2 Locking quadrant with blade position indicator.
 - 3 Integral shaft/blade assembly.
 - 4 Shaft mounted, load bearing bushings.
 - 5 Gasketed shaft penetrations to minimize leakage.
- G. Performance:
- 1 Ducts designed to operate at static pressure in excess of 3 inches water gauge (750 Pa) shall be leak tested in accordance with SMACNA HVAC Duct Leakage Test Manual with the rate of air leakage less than or equal to 6.0 as determined in accordance with Equation 4-5 of the International Energy Conservation Code 2012.
 - 2 Provide documentation that all sections have been tested and meet the requirements above.

B. **Add** the following subparagraph to Paragraph 3.7.B:

2. Ducts connected to welding and vehicle exhaust:
 - a. Pressure Class: Negative 3-inch wg.
 - b. Minimum SMACNA Seal Class: B.
 - c. Type: Single wall spiral lock-seams and EPDM gasket fittings.

ITEM #3 SECTION 23 34 23 – HVAC POWER VENTILATORS

- A. **Add** the following manufacturer to Subparagraph 2.1.A.2: Monoxivent.

ITEM #4 SECTION 23 52 16 – CONDENSING BOILERS

- A. **Delete** the following Subparagraphs in their entirety: 1.2.B.4, 1.2.B.5 2.2.H.3, 2.4.B.9 through 2.4.B.12, and 2.4.C.4.
- B. **Delete** Subparagraph 1.4.A.1 in its entirety and replace with the following:
Warranty Period for Water-Tube Condensing Boilers: 10-year heat exchanger, 1-year parts.
- C. **Clarification:** Regarding Article 2.4, boiler controls can be self-contained if a boiler has the built-in capability to control multiple boilers.
- D. Under Subparagraph 2.4.D.1, **delete** the words “on/off status” from the list of monitoring capabilities.

- E. Under Subparagraph 3.4.C.4, **delete** the words “steam pressure” from the list of controls and safety.
- F. **Delete** Paragraph 3.4.F in its entirety.

APPLICABLE TO DRAWINGS

ITEM #5 SHEET MH100 – FLOOR PLAN – MECHANICAL HVAC

- A. **Add** the following general note to the Pre-cast Opening Schedule: Pre-cast openings will vary based on manufacturers selected in submittal phase. Contractor to verify all openings prior to pre-cast submittal.
- B. In Mechanic’s Bay 113, **provide** (1) 8-inch round balancing damper at each overhead exhaust hose reel.

ITEM #6 SHEET MP100 – FLOOR PLAN – MECHANICAL PIPING

- A. **Clarification:** Regarding Detail 2, boiler controls can be self-contained if a boiler has the built-in capability to control multiple boilers.

ITEM #7 SHEET M-501 – MECHANICAL DIAGRAMS

- A. **Clarification:** Regarding Detail 1, boiler controls can be self-contained if a boiler has the built-in capability to control multiple boilers.

ITEM #8 SHEET M-601 – MECHANICAL SCHEDULE

- A. In the fan schedule, **change** remark for EF-4 from “1” to “4” and **add** the following remark: Provide wall-mounting bracket for fan – see detail 3 on sheet A-7.

ADDITIONS: Specifications:

Section 09 9000 – Paintings and Coatings; Paragraph 2.01.C.: Add the following manufacturer to the list:
5. Pittsburgh Paint

All Bidders must sign and return this Addendum for the bid opportunity referenced above. Failure to do so may subject the Bidder to disqualification. If a bid response has already been submitted, this Addendum shall be signed and emailed or faxed to the Purchasing Section prior to the scheduled Letting Date.

Company Name (*please print*)

Date

Signature

Sincerely,

Jody McNaughton, Purchasing Agent III
Phone No. 515-239-1298 Fax No. 515-239-1538
jody.mcnaughton@dot.iowa.gov

Purchasing Section
800 Lincoln Way, Ames, Iowa 50010

P: 515-239-1310 F: 515-239-1538
DOT.purchasing@dot.iowa.gov



GARAGE WINDOW SCHEDULE

NO.	OPENING		TYPE	MATL	GLAZING		ROLLER SHADE	REMARKS	
	W	H			W	H			
101A	4-0	4-0	W1	ALUM2	18	2	40	YES	DOUBLE CASEMENT
101B	4-0	4-0	W1	ALUM2	18	2	40	YES	DOUBLE CASEMENT
101C	4-0	4-0	W1	ALUM2	18	2	40	YES	DOUBLE CASEMENT
103A	4-0	4-0	W1	ALUM2	18	2	40	YES	DOUBLE CASEMENT
104A	4-0	4-0	W1	ALUM2	18	2	40	YES	DOUBLE CASEMENT
104B	4-0	4-0	W1	ALUM2	18	2	40	YES	DOUBLE CASEMENT
112R	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112S	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112T	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112U	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112V	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112W	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112X	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112Y	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112Z	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112ZA	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
112ZB	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
113F	3-0	3-0	W2	ALUM3	30			NO	AWNING
113G	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
114B	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING
114C	6-0	3-0	W3	ALUM2	30	2	30	NO	AWNING

KEY: ALUM - ALUMINUM FBG - FIBER GLASS PLC - POLYCARBONITE
 STL - STEEL SSSL - STAINLESS STEEL

DOOR HARDWARE SETS:
 HW 2: LEVER LATCHSET BOTH SIDES, PASSAGE, SILENCERS, WALL STOP
 HW 6: CLOSER, EXIT DEVICE WITH RIM ENTRY, ASTRAGAL, HINGES, SILENCERS, KICK PLATE
 HW 11: LEVER LATCHSET BOTH SIDES, ENTRY, SILENCERS, DOOR STOP
 HW 13: PANIC DEVICE INTERIOR SIDE RIM DEVICE, ALWAYS LATCHED, SILENCERS, WALL STOP

GARAGE DOOR & FRAME SCHEDULE

NO.	OPENING		TYPE	MATL	THK	GLASS	FRAME		HARDWARE GROUP	REMARKS		
	W	H					TYPE	MATL			WIDTH	HGT
100	3-0	7-0	D1	STL	1-3/4	24X30	F1	STL	3-4	7-4	HW 13	
101	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW 11	
102A	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW 2	
102B	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW 2	
104	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW	
105	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW	
106	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW 2	
107	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW 2	
108	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW 2	
109	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW 11	
110	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW 11	
111	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW 11	
112A	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW 13	
112B	6-0	7-0	D7	STL	1-3/4	---	F5	STL	6-4	7-4	HW	DOUBLE DOOR
112C	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW 13	
112D	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW 13	
112E	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW 13	
112F	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW 13	
112G	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112H	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112I	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112J	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112K	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112L	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112M	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112N	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112O	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112P	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
112Q	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
113A	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW 13	
113B	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
113C	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
113D	3-0	7-0	D4	STL	1-3/4	10X10	F1	STL	3-4	7-4	HW13	
113E	16-0	14-0	OH1	STL	2	3-24X8	---	STL	---	---	NA	OPENER
114	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW11	
115	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW2	
116	3-0	7-0	D6	FBG	1-3/4	10X10	F4	FBG	3-4	7-4	HW2	FIBERGLASS
117A	16-0	14-0	OH1	PLC	1-3/4	3-24X8	---	SSTL	---	---	NA	OPENER
117B	16-0	14-0	OH1	PLC	1-3/4	3-24X8	---	SSTL	---	---	NA	OPENER
117C	3-0	7-0	D6	FBG	1-3/4	10X10	F4	FBG	3-4	7-4	HW13	
117D	3-0	7-0	D6	FBG	1-3/4	10X10	F4	FBG	3-4	7-4	HW13	
117E	16-0	14-0	OH1	PLC	1-3/4	3-24X8	---	SSTL	---	---	NA	OPENER
117F	16-0	14-0	OH1	PLC	1-3/4	3-24X8	---	SSTL	---	---	NA	OPENER
118	3-0	7-0	D2	STL	1-3/4	6X30	F1	STL	3-4	7-4	HW11	
119	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW7	
120	3-0	7-0	D7	STL	1-3/4	---	F1	STL	3-4	7-4	HW11	

GARAGE ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLR	BASE	WALLS				CLG	CLG HGT
				N	E	S	W		
100	VESTIBULE	F2	B1	W1	W1	W1	W2	C1	8'-6"
101	OFFICE	F2	B1	W1	W1	W2	W2	C1	8'-6"
102	CORRIDOR	F2	B1	W1	W2	W1	W1	C1	8'-6"
103	OPEN OFFICE	F2	B1	---	W1	W2	W1	C1	8'-6"
104	CONFERENCE	F2	B1	W2	W1	W1	W2	C1	8'-6"
105	COAT CLOSET	F2	B1	W2	W1	W1	W1	C3	11'-4"
106	MRR	F2	B1	W1	W1	W2	W1	C1	8'-6"
107	WRR	F2	B1	W1	W1	W2	W1	C1	8'-6"
108	CORRIDOR	F2	B1	W2	W1	---	W1	C1	8'-6"
109	MECH/UTILITY	F1	N/A	W5	W5	W3	W3	C3	11'-4"
110	JANITOR'S CLOSET	F1	B1	W3	W5	W3	W5	C3	11'-4"
111	STORAGE	F1	B1	W3	W5	W5	W3	C3	11'-4"
112	STORAGE BAYS	F1	N/A	W5	W5	W5	W5	C2	VAR.
113	MECHANICS BAY	F1	N/A	W3	W5	W5	W5	C2	VAR.
114	PARTS ROOM	F1	---	W5	WB	WB	W5	C2	VAR.
115	MECHANICAL ROOM 2	F1	---	W5	W3	W3	W3	C2	VAR.
116	HALLWAY	F1	---	W5	W3	---	W3	C2	VAR.
117	WASH BAYS	F1	---	W5	W5	W5	W5	C2	VAR.
118	ELEC ROOM #2	F1	---	W5	W5	W3	W3	C2	VAR.
119	UNISEX RR	F1	B1	W4	W4	W4	W2	C1	8'-6"
120	ELECTRICAL ROOM	F1	N/A	W5	W1	W1	W1	C3	11'-4"

ROOM FINISH KEY:

FLOORS:
 F1 SEALED CONCRETE
 F2 POLISHED CONCRETE

WALLS:
 W1 BURNISHED BLOCK
 W2 PRECAST PAINTED
 W3 CMU UNPAINTED
 W4 CMU PAINTED
 W5 PRECAST UNFINISHED

CEILING:
 C1 ACOUSTIC TILE
 C2 EXPOSED STRUCTURE-UNFINISHED
 C3 GYPSUM BOARD PAINTED

BASE:
 B1 4" VINYL BASE

CONFERENCE ROOM CABINETS (ALT #6)
 P-LAM WILSONART
 7925-38 MONTICELLO MAPLE
 OR
 BAMBOO TERAGREN
 JAVA UFP-SYN-J-604
 COUNTER TOP: WILSONART
 4876-38 SHEER MESH

EXPOSED WOOD:
 PAINT COLOR: SW 7030 ANEW GRAY

METAL DOOR JAMBS AND WINDOW FRAMES:
 ENAMEL COLOR: SW 7031 MEGA GREIGE

METAL DOORS:
 ENAMEL COLOR: SW 7030 ANEW GRAY

EXPOSED GYPSUM CEILING
 PAINT COLOR WHITE

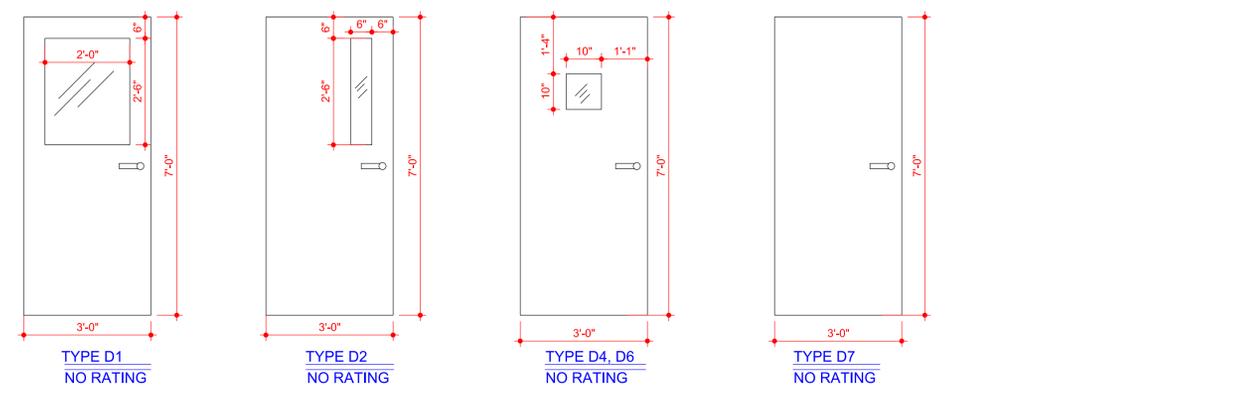
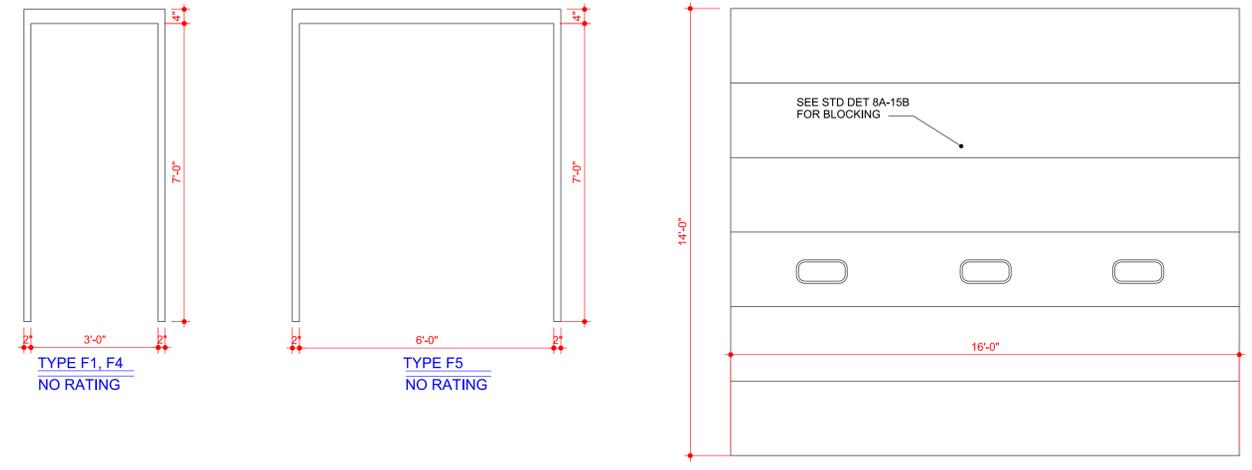
PAINTED PRECAST WALLS:
 PT-1 SW 7030 ANEW GRAY

EXPOSED METAL FABRICATIONS
 ENAMEL COLOR: SW 7030 ANEW GRAY

SOLID PLASTIC TOILET PARTITIONS:
 COMTEC HINEY HIDERS
 COLOR: SAND CASTLE

ROLLER SHADE FABRIC:
 SWF CONTRACT SHEERWEAVE
 V64 SLATE

ROLLER SHADE FASCIA:
 SWF CONTRACT
 875 CLEAR SATIN ANODIZED



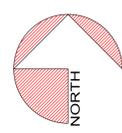
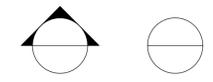
DOOR & WINDOW ELEVATIONS

SCALE: 1/2"=1'-0"

DOOR SCHEDULE

SCALE: 1/4"=1'-0"

OPENING NO.	ROOM NAME
100A	100



DISTRICT: 01
 COUNTY: POLK
 PROJECT NUMBER: BG-1D20(000)--80-77
 DES MOINES, IOWA
 HIGHWAY MAINTENANCE GARAGE
 DOOR AND ROOM FINISH SCHEDULE
 IOWADOT
 SMARTER | SIMPLER | CUSTOMER DRIVEN
 OFFICE OF SUPPORT SERVICES
 800 LINCOLN WAY
 AMES, IOWA 50010 (515)235-1298
 DATE: 21 MAY 2015
 DRAWN BY: DESIGN TEAM
 APPROVED: J BURNES
 REVISIONS: 7-9-2015
 SHEET OF A-12R