

' DEPT. OF 5, HIGHWAY & 'ION 1919 Alliant Energy Center Way Madison, Wisconsin 53713 Office: 608/266-4018 ◊ Fax: 608/267-1533 Public Works Engineering Division Public Works Solid Waste Division

ADDENDUM

MARCH 22, 2017

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 317012 - ADDENDUM NO. 1

DAY RESOURCE CENTER REMODELING

<u>BIDS DUE</u>: MARCH 28, 2017, 2:00 PM. DUE DATE AND TIME ARE <u>NOT</u> CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB. Acknowledge this addendum on the Bid Form.

PLEASE MAKE THE FOLLOWING CHANGES TO THE DOCUMENTS:

1. TABLE OF CONTENTS (TOC)

Replace: Please delete the current Table of Contents and replace with new Table of Contents issued with this Addendum.

2. BID FORM

Replace: Please delete the current Bid Form and replace with new Bid Form issued with this Addendum.

3. INSTRUCTIONS TO BIDDERS (ITB)

Change: Article 19. Work By Owner. Revise to read "A. Abatement by Owner."

4. CHANGES TO SPECIFICATIONS:

- 1. Add Section 05 31 20 Corrugated Metal Roof Deck, attached.
- 2. Section 06 20 00 Finish Carpentry
 - a. Page 3, line 10 2.05.A.7. add "4. Exposed Roof Deck, Tounge and Groove, V Groove, 1"x6" nominal."
- 3. Section 07 53 23 Ethylene-Propylene-Diene-Monomer Roofing.
 - a. Page 8, Section 2.03 A. Insulation Type 2. Revise slope to read "factory tapered 1/8"/foot."
 - b. Beginning on Page 9, 3.04 B. Omit item 2 and 3 reference to loose lay insulation.
- 4. 07 62 00 Sheet Metal Flashing and Trim
 - a. Page 3, line 15, 2.03.A.1. revise coping, fascia and trim to .063 inch thick.
- 5. Section 09 84 13 Acoustical Treatment
 - a. Part 2 Products, A. 1. AP-1, Page 3, Line 16. Add "E. ACGI (Architectural Components Group, Inc), Wood Encore System."

- b. Part 2 Products, A. 2. AP-2, Page 3, Line 20. Revise to read: "C. 3 ¹/₄" blade height x 59 ¹/₄" x 5/8" blade thickness with 6 blades per 12 ¹/₄". No perimeter trim."
- c. Page 3, Line 25, add "g. ACGI, Wood Grille Systems, Backer Series 3, square profile, similar dimensions, coordinate with ACT ceiling to provide a complete installation and provide insulation if required in lieu of ACT."
- d. Page 3, Line 27, Part 2 Products, A. Add: "3. AP-3 ACGI Linear Open Series 2 Wood Wall System. Veneer Species to match AP-1, 8' and/or 10' length, black non-woven felt where reveals shown on elevation. 3 ¼" and 5 ½" widths, see elevation. Or equal by Decoustics or approved equal."
- 6. Section 10 22 26 Operable Panel Partitions
 - a. Page 2 line 46 revise to read: "3. Or equal model by Hufcor, Moderco or approved equal."
- 7. Specification 10 51 13
 - a. Revise page 1 line 44, 2.01.B. to read "Or equal by Olympus Lockers and Storage Products or approved equal."
- 8. Add Specification Section 12 21 13 Horizontal Louver Blinds, attached.
- 9. Add Specification Section 12 24 13 Roller Window Shades, attached.
- 10. Section 211313 Wet -Pipe Sprinkler Systems
 - a. Page 211313-8, line 41, after the word "forms", add the following;
 - "Include all test forms in O & M manuals".
 - b. Page 211313-8, line 42, add the following;

"LEAK DAMAGE

This contractor shall be responsible during the installation and testing periods of the sprinkler system for any damage to the work of others, to the building, its contents, etc. caused by leaks in any equipment, by unplugged or disconnected pipes, fittings, etc. or by overflow and shall pay for the necessary equipment, or landscaping damaged by such leakage".

c. Page 211313-9, line 7, add the following;

"Semi-recessed sprinkler heads shall be used for all suspended ceiling types with lay-in or gypsum board. Locate sprinkler heads to coordinate with reflected ceiling plan maintaining minimum clearances from obstructions, ceilings and walls. Install sprinkler heads level in locations not subject to spray pattern interference. When installed in new lay-in ceilings, sprinkler heads shall be centered in tile.. A one inch tolerance for sprinkler placement will be acceptable. When installed in decorative ceilings, the head locations shall be coordinated with the ceiling systems and shall be approved by Architect".

- 11. Section 220500 Common Work Results for Plumbing
 - a. Page 220500-3, line 20, after the word "Bibb", add the "Thermostatic Mixing Valve TC-1".
 - b. Page 220500-3, line 26, add "Plumbing Fixtures".
- 12. Section 221100 Facility Water Distribution
 - a. Page 221100-3, lines 22 & 23, delete entire sentence starting with the word "Mechanically".
- 13. Section 224200 Commercial Plumbing Fixtures
 - a. Page 224200-1, line 41, after the word "Zurn", add the word "Sloan".
 - b. Page 224200-2, line 8, change "3 WC-1" to "2 WC-1"
 - c. Page 224200-2, line 55, change "Model LVS-4" to "LVS-3".
 - d. page 224200-3. line 11, change "Elkay ELUG' to "Elkay ELUH".
- 14. 27 41 13 Architecturally Integrated Audio Video Equipment, 2.2 Equipment, page 8 Add: The following are acceptable "or equal" substitutes:
 - a. LG 65UX340C 65" Commercial UHD TV for NEC E655 at location AV-121
 - b. LG 49UX340C 49" Commercial UHD TV for NEC E505 at location AV-122; AV-223
 - c. LG 79UX340C 79" Commercial UHD TV for NEC E805 at location AV-221
- 15. Specification Section 28 13 00
 - a. Page 28 13 00-6, delete 2.08B as written and substitute B: "When activated, system to contact owner designated alarm monitoring company who will call 911 and cell phone of security guard on premises. Provide security panel, wiring and all necessary connectivity to provide this function."

- 16. Specification Section 28 23 00
 - a. Page 28 23 00-5, line 3: Provide AXIS camera Station S1030Mkll.
 - b. Page 28 23 00-5, line 9: Change "9TB" to "12TB".
- 17. Specification Section 23 09 93
 - a. HUMIDITY CONTROL. With humidity control enabled and he return air relative humidity exceeds the high limit set point the cooling shall be enabled to dehumidify the mixed air. If the unit discharge temperature falls below the discharge air set point the heating shall modulated to raise the unit discharge temperature to the required set point. Once the return air relative humidity reaches the low limit set point the humidity control cooling shall be disabled unless cooling is required to maintain the cooling set point.
- 18. Add the attached DDC Input/Output Summary Tables, 4 pages

5. CHANGES TO DRAWINGS:

- 1. C100
 - a. Add note near entrance drive to "See Alternate Bid A".
 - b. Add note at the northeast corner of the courtyard to "Remove 375 SF of asphalt pavement and replace with shredded bark mulch in the enclosed courtyard. Confirm location with Owner."
- 2. D200
 - a. Add demolition note 12 symbol at exterior window in Office 210.
 - b. Add demolition note 12: Demo existing plam sill.
 - c. Add general demolition note: remove existing window coverings for installation of window coverings.
- 3. A200
 - a. First floor: At East wall of Restroom 110 indicate Partition Type 9G.
 - b. Second floor: At Office 210 indicate window type B interior window and add note for Plastic laminate sill with 1 ¹/₂" profile at existing exterior window rough opening.
- 4. A203 Roof Plan
 - a. Revise Demolition note to read: "Demolish Ballasted Rubber Membrane, Insulation, Gravel Stop, Coping and Blocking. Field Verify if any blocking is in acceptable condition for reuse – confirm with A/E."
- 5. A300
 - a. Second Floor Family Multi-Purpose Overflow: "Add note to shift area of exposed structure plan north approximately 2' to conceal existing ductwork, V.I.F. Extend soffit type 8A700 plan east past the existing stair to the exterior wall with ACT bottom of soffit."
 - b. Second Floor Resource Center 205: "Extend soffit at exposed structure plan north approximately 2'-0", V.I.F. to conceal ductwork."
- 6. A600
 - a. Refer to attached revised A600 for revised covered fence detail and additional concrete walk detail (Alternate Bid A).
- 7. A700
 - a. Soffit Detail 8A700: Add note: "Alternate Bid B, in lieu of WD-1 and framing, provide AP-3, see specification 09 84 13, on furring channels per manufacturer's requirements with sound attenuation blanket."
- 8. A701
 - a. Partition Type 1A: Revise note to read "Sound Attenuation Blanket"
 - b. Partition Type 1B: Revise note to read "Sound Attenuation Blanket"
 - c. Partition Type 9F
 - i. Add note: "Alternate Bid B, in lieu of WD-1 and framing, provide AP-3, see specification 09 84 13, on furring channels per manufacturer's requirements with sound attenuation blanket."
 - ii. Revise note to read "black non-woven felt to prevent insulation from being visible."

- iii. Add note: See floor plan where noted over existing wall in lieu of CMU shown.
- 9. S101
 - a. Detail 4S101, revise note at plywood decking to read "See architectural A600 for enclosure."
 - b. Detail 11S101, add note: "Contractor to avoid existing roof drain with new connection. Field verify and provide shop drawing."
- 10. Sheet FP100
 - a. Fire Riser Diagram
 - b. Delete the sentence that reads as follows; "(All pipe, valves, fittings downstream of tee by Fire Protection Contractor)".
- 11. PD100
 - a. On the First and Second Floor Plumbing Demolition Plans, adjacent the toilet rooms add a demolition symbol 12.
 - b. Add new demolition note 12 to Demolition Notes, to read as follows; "Remove wall hung electric water cooler, including cold water, waste and vent piping".

12. Sheet P100

- a. In room 102, add 2" size to branch drain that serves sink S-1 at second floor.
- b. Adjacent room 127, change note that reads, "1-1/2" W up", to read, "1-1/2" V up".
- 13. M100
 - a. At First Floor Plan General Demolition Notes, ADD: Note 5. Where piping to be removed is insulated the removal shall include removal of the pipe insulation.
- 14. M101
 - a. At Room 122, Laundry ADD: Key Note 15: The laundry dryer duct shall be 12 inch round full length. At each dryer make a 45 degree 4 inch takeoff the 12 inch duct turn 45 degree elbow down and drop 4 inch round duct down to 6 feet above the floor at the center of each of 7 dryer locations and provide a removable cap on the open duct end.
- 15. M103
 - a. At Mechanical Room 105 New Work Plan, B/M103, locate the expansion tank in the corner of the room where the below the blanked off louver.
 - b. At Mechanical Room 105 New Work Plan, locate the chemical bypass feeder approximately where in expansion tank is located. Pipe 1 inch to the feeder inlet from the 2-1/2 inch common HWP-1/HWP-2 pump discharge piping and pipe 1 inch from the feeder outlet to the common 2-1/2 inch HWP-1/HWP-2 pump inlet piping. Provide a ball valve on the inlet and outlet piping near the feeder. Pipe the feeder drain to the room floor drain and provide a ball valve on the drain line.
 - c. At Mechanical Room Piping Schematic C/M103, add the chemical bypass feeder to the schematic, piped as described in number 2 above.
- 16. M105
 - a. Refer to "Variable Air Volume Single Duct Terminal Unit Schedule". Units VAV-3, VAV-9 and VAV-17 are "TWO ROW COILS" all other units are "ONE ROW COILS".
 - b. Refer to "VAV Fan Powered Terminal Unit Schedule": Rename VAV-2 to FPB-2, VAV-4 to FPB-4, and VAV-6 to FPB-6.
 - c. Insert the attached "DDC INPUT/OUTPUT SUMMARY SCHEDULE" (POINT LISTS) for the following:
 - a. RTU-1, Rooftop Unit.
 - b. Boilers and Hot Water Pumps
 - c. Variable Air Volume Reheat Terminals (VAV)
 - d. Fan Powered Variable Air Volume Reheat Terminals (FPB)
- 17. E001 Site Plan Electrical

- a. Provide bracket for pole mounted camera or camera suitable for pole mounting without bracket as manufactured by Axis.
- b. Provide fiber from pole mounted camera back to server room security alarm control panel.
- 18. E200 Floor Plan Power and Systems
 - a. First Floor Reception Desk Nurse Call annunciator panel #A4020-TG shall be located on wall near desk. Provide 120-volt power from circuit N1-46. Headend and power supplies may be located in room #131.
 - b. Elevator Equipment Room #103 Add one smoke detector
 - c. Elevator Equipment Room #103 Provide three junction boxes with control modules for future elevator recall.
 - d. Multi-Purpose #126 (wall from elevator along kitchen #127) Add one 15cd strobe on wall.
 - e. Shower rooms #111, #112, #113, #118, #119, #120, and #121 15cd strobe shall be weather-proof type.
 - f. Kitchenette #204 Provide one 15cd strobe on wall near door.
 - g. Provide one smoke duct detector with sampling tube for RTU-1.
- 19. E300 Floor Plan Lighting First Floor
 - a. Restrooms/Showers #110 –#121 & Stairs #B Provide help call dome light above entrance to room as noted in specification section 27 52 23.
 - b. Front and rear entry down lights should be labeled as "OE" in lieu of "OA"-Typical of three (3).
 - c. Multi—Purpose #104 Provide ceiling mounted occupancy sensor centered in space to control area lights.
 - d. Corridor #123 Provide ceiling mounted occupancy sensor centered in space to control area lights.
 - e. Multi—Purpose #124 Provide ceiling mounted occupancy sensor centered in space to control area lights.
 - f. Multi—Purpose #126 Provide two (2) ceiling mounted occupancy sensors centered in space to control area lights.
- 20. E600 Electrical Schedules Light Fixture Schedule
 - a. Fixture type "G" and "H": Electrical contractor shall provide an equivalent fixture as manufactured by either New Star Lighting, Jesco Lighting Group, or Ohyama Lights.

5. PREBID SIGN-UP SHEET

Add prebid sign-up sheet, issued with this addendum

If any additional information about this Addendum is needed, please call Eric Urtes at 608/266-4798, urtes.eric@countyofdane.com.

Sincerely,

Eric Urtes, AIA Project Manager

Enclosures:

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<u>CIVIL</u>		
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C200	UTILITY PLAN	

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- P200 WASTE AND VENT DIAGRAM
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E000	SYMBOLS, ABBREVIATIONS, RISER DIAGRAM AND SHEET LIST
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AVS-4.1 AV DESIGN LAYOUT FIRST FLOOR AV SCHEME

BID FORM

BID NO. 317012 PROJECT: DAY RESOURCE CENTER REMODELING

TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION PROJECT MANAGER 1919 ALLIANT ENERGY CENTER WAY MADISON, WISCONSIN 53713

NOTE: WISCONSIN STATUTE 77.54 (9M) ALLOWS FOR NO SALES & USE TAX ON THE PURCHASE OF MATERIALS FOR COUNTY PUBLIC WORKS PROJECTS.

BASE BID - LUMP SUM:

Dane County is inviting Bids for construction services, for the remodeling of the former Chamber of Commerce building to create a Day Resource Center for Dane County. Work includes the renovation of the approximately 12,800 SF two-story building and site improvements. The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Dane County Department of Public Works, Highway & Transportation hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid stipulated sum of:

	and	l/100 Dollars
Written Price		

\$

Numeric Price

LUMP SUM ALLOWANCE

Provide a lump sum allowance to be included in the Base Bid of twenty thousand dollars (\$20,000.00). This allowance will be used for building identification signage including installation and design in coordination with the County, design team and City of Madison staff. Owner will provide the awarded general contractor with building signage and project requirements.

Twenty Thousand	and	<u>00</u> /100 Dollars
Written Price		

\$20,000.00

Numeric Price

ALTERNATIVE BID A

Provide a 85' long x 6' wide raised concrete walk along the west property line of the Main Street Entrance driveway. Include an ADA accessible 1:20 slope to taper the walk down to existing asphalt and existing concrete sidewalk elevations. Include demolition of existing asphalt, repair of asphalt paving damaged by demolition, omit striping. See Detail 6A600.

	and	/100 Dollars
Written Price		
<u>\$</u>		
Numeric Price		
ALTERNATIVE BID B Descride AD 2 southern at northing terms OF and soffit datail 84700 in lieu of W	VD 1 and 4	forming Defende
Provide AP-3 system at partition type 9F and soffit detail 8A700 in lieu of W specification 09 84 13. See partition types on A701.	VD-1 and 1	furring. Refer to
	and	/100 Dollars
Written Price		/100 Donars
\$		
Ψ		
UNIT PRICING:		
Add unit price for including the following items. All pricing to include roug	h-in, cabli	ng and commissioning.
• Security Camera: add or delete one Camera per section 28 23 00		\$
• Card Reader: add or delete one Proximity Card Reader per section 28	13.00.	\$
• Card Reader. and of defete one Proximity Card Reader per section 25	15 00.	Ψ
• Help Call System: State unit cost to add or delete one Cornell E-104-1	WP	
per section 26 52 23:		<u>\$</u>
• First Floor Flat Panel Display Assemblies: cost to add or delete one AV	/-121	

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

and one AV-122 per section 27 41 13:

\$_____

Dane County Department of Public Works, Highway & Transportation must have this project completed by September 15, 2017. Assuming this Work can be started by April 21, 2017, what dates can you commence and complete this job?

Commencement Date:	(final, not substantial)		
I hereby certify that all statements herein are	made on behalf of:		
(Name of Corporation, Partnership or Person submitting Bid))		
Select one of the following: 1. A corporation organized and existing under	r the laws of the State of _		, or
2. A partnership consisting of			, or
3. A person conducting business as			;
Of the City, Village, or Town of		of the State of	

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the Bids Due Date to another bidder or competitor; that the above statement is accurate under penalty of perjury.

The undersigned further agrees to honor the Base Bid and the Alternate Bid(s) for sixty (60) calendar days from date of Award of Contract.

SIGNATURE:(Bid is invalid without signature)	
	(Bid is invalid without signature)
Print Name:	Date:
Title:	
Address:	
	Fax No.:
Email Address:	
Contact Person:	

THIS PAGE IS FOR BIDDERS' REFERENCE AND NEED NOT BE SUBMITTED WITH BID FORM.

 BID CHECK LIST:

 These items must be included with Bid:

 Bid Form
 Bid Bond
 Fair Labor Practices Certification

 Project Experience / Reference Summary - List of 3 with References (on separate sheet)

BIDDERS SHOULD BE AWARE OF THE FOLLOWING:

DANE COUNTY VENDOR REGISTRATION PROGRAM

Any person bidding on any County contract must be registered with the Dane County Purchasing Division & pay an annual registration fee. A contract will not be awarded to an unregistered vendor. Obtain a *Vendor Registration Form* by calling 608/266-4131 or complete a new form or renewal online at:

www.danepurchasing.com/registration

DANE COUNTY BEST VALUE CONTRACTING PRE-QUALIFICATION

Contractors must be pre-qualified as a Best Value Contractor with the Dane County Public Works Engineering Division before the award of contract. Obtain a *Best Value Contracting Application* by calling 608/266-4018 or complete one online at: www.countyofdane.com/pwht/BVC_Application.aspx

EQUAL BENEFITS REQUIREMENT

By submitting a Bid, the contractor acknowledges that a condition of this contract is to provide equal benefits as required by Dane County Code of Ordinances Chapter 25.016. Contractor shall provide equal benefits as required by that Ordinance to all required employees during the term of the contract. Equal Benefits Compliance Payment Certification shall be submitted with final pay request. For more information: www.danepurchasing.com/partner_benefit.aspx

	SECTION 05 31 20
	CORRUGATED ROOF DECKING
PART 1	- GENERAL
1.01	SUMMARY
А.	This Section includes the following:1.Roof deck.
1.02	SYSTEM DESCRIPTION
Α.	 Performance Requirements: Provide factory formed, prefinished, lappable, exposed fastener, structural ribbed metal roof system, that has been pretested and certified by manufacturer to comply with specified requirements under installed conditions 1. The metal roofing system including required trim members shall meet specified requirements for snow and wind loads 2. The panel will have 7/8" high ribs at +/- 2 ¾" o.c.
В.	Structural Requirements: Engineer panels for structural properties in accordance with the latest edition of American Iron and Steel Institute's Cold Formed Steel Design Manual using "effective width" concept.
1.03	SUBMITTALS
А.	Product Data: For each type of deck, accessory, and product indicated.
В.	Shop Drawings: Show layout and types of deck panels, anchorage details, reinforcing channels, pans, cut deck openings, special jointing, accessories, and attachments to other construction.
C.	Submit sample 12" long x full panel, showing proposed metal gauge, seam profile and specified finish
D.	Field quality-control test and inspection reports.
1.04	QUALITY ASSURANCE
А.	Panel manufacturer shall have a minimum of ten (10) years of experience in manufacturing exposed fas- tener roofing systems.
1.05	DELIVERY, STORAGE, AND HANDLING
А.	Protect steel deck from corrosion, deformation, and other damage during delivery, storage, and handling.
В.	Stack steel deck on platforms or pallets and slope to provide drainage. Protect with a waterproof covering and ventilate to avoid condensation.
1.06	WARRANTIES
А.	Panel manufacturer shall provide a twenty (20) year warranty on the finish covering for chalking, crack- ing, checking, chipping, blistering, peeling, flacking, and fading.
В.	Applicator shall furnish written warranty for a two (2) year period from Substantial Completion covering repairs required to maintain roof and flashings in watertight conditions.
PART 2	- PRODUCTS
Addendu Bid No. 1	

1	2.01	PRODUCT DESCRIPTION
2 3	А.	Galvanized 7/8" Corrugated structural exposed fastener roof system.
4 5	B.	Rib height shall be 7/8" corrugated panels.
6 7	C.	Panels shall be directly fastened to substrate.
8 9	D.	The panel shall have a overlapping sidelap feature.
10 11	2.02	ROOF DECK
12 13	А.	Panel Materials:
14 15		1. 22 gauge Grade 50 (50 ksi yield strength) structural steel with G90 hot dipped galvanized coating, both conforming to ASTM A653.
16 17		2. Texture: Panels shall be smooth finish
17 18 19	2.03	ACCESSORIES
20	A.	Flashing and Trim
21 22		1. All flashing and trim shall be of the same material, gauge, finish, and color as the roof panels.
23	В.	Mechanical Fasteners:
24 25		1. All screws shall be plated steel corrosion-resistant. They shall have a combination steel and
25 26		EPDN washer.Screws for sidelaps and flashings shall be #14 HHA x ¾" sheet metal stitch screws. Spacing shall
27		be 12" o.c. unless noted otherwise on drawings.
28 29	C.	Sealant shall be a non-shrinking, non-hardening gun grade butyl sealant or butyl sealant tape with a min-
30		imum thickness of 1/" where it is concealed and where thermal movement must be accommodated.
31 32	D.	Closures shall be pre-molded polyethylene to match the profile of the corrugated panel.
33		
34 35	2.04	FABRICATION
36 37	А.	Panels are lappable: Individual steel roof panels shall be one piece and run from eave to ridge.
38	PART 3 -	EXECUTION
39 40	3.01	INSTALLATION
41 42	A.	All deck panels shall be a minimum two-span condition unless approved by the structural engineer.
43		
44 45	В.	Comply with manufacturer's installation procedures and guidelines.
46 47 48	C.	Place deck panels on supporting frame and adjust to final position with ends accurately aligned and bear- ing on supporting frame before being permanently fastened. Do not stretch or contract side-lap.
48 49 50	D.	Place deck panels flat and square and fasten to supporting frame without warp or deflection.
50 51 52 53	E.	Cut and neatly fit deck panels and accessories around openings and other work projecting through or ad- jacent to deck.
55 54 55 56	F.	Provide additional reinforcement and closure pieces at openings as required for strength, continuity of deck, and support of other work.
50 57	G.	Abrasive devices shall not be used to cut on or near roof panel system.
	Addendu	m #1 05 31 20 - 2
	Bid No. 3	17012

1		
2	H.	Apply sealant tape or sealant as necessary at flashing and panel joints to prevent water penetration.
3		
4	3.02	CLEANING
5		
6	А.	Dispose of excess materials and debris from job site
7		
8	В.	Remove filings, grease, stains, marks, or excess sealants from roof panel system.
9		
10	C.	Protect work from damage from other trades until final acceptance.
11		
12		
13		END OF SECTION 05 31 20

1		SECTION 12 21 13
2 3		HORIZONTAL LOUVER BLINDS
4 5 6	PART 1	:GENERAL
6 7 8	1.01DE	SCRIPTION
9 10	А.	Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated herein.
11 12 13	1.02WC	ORK INCLUDED
13 14 15	А.	Horizontal Louver Mini Blinds.
15 16 17	1.03SU	BMITTALS
18 19 20 21 22 23 24 25	Α.	 Make the following submittals in accordance with the General Conditions of the Contract. Product Data: Indicate model, finishes, mounting instructions. Samples: Two 12-inch pieces of slats, fabrics, or other finished material, indicating full range of color. Shop Drawings: Indicate dimensions of openings scheduled to receive blinds, based on field measurements, illustrations of special components not detailed on manufacturer's data sheets, details of divisions between adjacent units, abutments at corners, head and sill.
26 27	1.04DE	LIVERY, STORAGE AND HANDLING
28 29	А.	Deliver and store blinds in original packaging to area to protect from damage.
30 31	В.	Handle so as to prevent damage or soiling.
32 33	PART 2	PRODUCTS:
33 34 35	2.01MA	NUFACTURERS
36 37	А.	Bali CustoMiser Aluminum Custom Mini Blind.
38 39	В.	Levalor Monaco.
40 41	C.	Kirsch Mini.
42 43	D.	Or approved equal.
44 45	2.02FE	ATURES
46 47 48	А.	Bottom Rail: Steel, standard top surface contoured to match slat, reinforced to prevent twisting or sagging, with plastic end caps.
49 50	В.	Ladder: Standard braided polyester.
50 51 52 53	C.	Tilter: Standard enclosed lubricated mechanism with 180 degree tilt range, designed to hold slats at set angle.1. Worm, gear drive actuated by nondetachable rod. Full length rod, top only locking.
54	D.	Equalizers: Self-aligning, nylon, designed to maintain slats in horizontal position.
55 56 57	E.	Color: Architect will choose from full range of standard colors.

Addendum #1 Bid No. 317012

1	F.	Size blinds to overlap window/wall jambs 1 inch.
2		
3	PART 3	3:EXECUTION
4		
5	3.011N	SPECTION
6		~
7	А.	Check that surfaces to which work will be secured are sound and free of irregularities interfering with
8		installation.
9	-	~
10	В.	Do not begin installation until unsatisfactory conditions have been corrected.
11	2.02101	
12	3.021N	STALLATION
13		
14	А.	Install blinds in accordance with manufacturer's installation procedures, approved Shop Drawings.
15	р	A sum a de su de al sum es és a sum i é un su sum h su d'an sustion
16 17	D.	Assure adequate clearance to permit unencumbered operation.
17	C	Replace damaged items with new material.
18	C.	Replace damaged tients with new material.
20	Л	Repair surfaces damaged by improper installation.
20	D.	Repair surfaces damaged by improper instantion.
22	3.03.50	THEDULE OF OPENINGS
23	5.05 BC	
23	А	Interior openings:
25		a. Openings 220e and 220d, OXXO, rough opening height approx. 10'-2", approx. width 14'-0" per
26		opening. See 08 41 13.
27		b. Sidelites at Meeting 107A, Office 125, both openings.
28		c. Sidelites at Offices 201, 202, 203, 207, 208, 209, 210. See plan for width, door schedule and frame
29		elevations on A700.
30		
31		
32		END OF SECTION 12 21 13

1		SECTION 12 24 13
2 3		ROLLER WINDOW SHADES
4 5	PART 1 -	GENERAL
6 7 8	1.01	RELATED DOCUMENTS
9 10 11	А.	Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated herein.
11 12 13	1.02	WORK INCLUDED
13 14 15	А.	Manually operated sunscreen roller shades on all exterior windows within the project scope.
15 16 17	1.03	RELATED WORK
17 18 19	А.	Rough Carpentry, Section 06 10 00: blocking for support of window shade brackets.
20	В.	Substrate for window shade systems and installation of accessories supplied only under this section.
21 22 22	1.04	QUALITY ASSURANCE
23 24 25 26	A.	Manufacturer shall have 15 years experience in the manufacture of products comparable with those specified in this section.
20 27 28 29	В.	Manufacturer shall provide all shading components and electrical components for a complete installation and a single source of shading and lighting control where applicable.
30 31	C.	The manufacturer or licensed agent shall be approved to provide the products specified, honor all claims against the product in accordance with the warranty.
32 33 34 35	D.	Manufacturer shall provide 24/7 technical support to aid in troubleshooting system wiring and assist in system programming.
35 36	E.	Installer shall be qualified for installation by experience and be approved by the manufacturer.
37	1.05	SUBMITTALS
38 39 40 41 42	A.	Submit manufacturer's descriptive literature for each product type specified. Details shall indicate materials, finishes, construction, and mounting requirements. Also include installation and operating instructions.
43	1.06	SHOP DRAWINGS
44 45 46	А.	Indicate Head, jamb, and sill details to aid General Contractor to coordinate work as well as relevant dimensions and mounting requirements for each product type and mounting condition.
47 48	В.	Provide shade schedule coordinating room number, opening size(s), quantities and key to details.
49 50 51	C.	Submit a proposed seaming diagram for Architect approval at any openings where seams are required. Utilize manufacturer's maximum fabric dimension to minimize seams.
52 53	1.07	SAMPLES

1 2 3	Α.	Portfolio of shade fabric swatches for initial fabric color selection from manufacturer's full range of available fabrics. Provide sample and profiles of all aluminum fascias for selection from manufacturer's full range of available fascias.
4 5 6	B.	Material samples for color and finish selection of controls.
6 7 8	C.	One fully operational window shade sample of each type required complete with selected shade fabric including sample of seam/batten when applicable. Location of sample to be determined by Architect.
9 10 11	D.	One complete set of all shade components demonstrating compliance.
11 12 13	1.08	CERTIFICATION
13 14 15	А.	Test Reports indicating compliance with Fabric test properties listed in Section 2.
15 16 17	1.09	MANUFACTURER'S INSTRUCTION
17 18 19	А.	Installation, Programming, and Maintenance instructions to be included in product packaging.
20	В.	24-Hour / 7-Day Technical support shall be available to aid with unforeseen installation difficulties.
21	1.10	DELIVERY, STORAGE, AND HANDLING
22	A.	Storage and Protection
23 24		1. Do not deliver items to the project until all concrete, masonry, plaster, painting and other wet work has been completed and is dry.
25 26 27		2. Deliver shades to project in protective packaging, uniquely labeled to identify each shade for each opening. Schedule delivery to prevent delays to completion of work, but to minimize on-site storage time.
28 29		3. Store materials in a dry, secure place. Protect from weather, surface contaminants, corrosion, construction traffic, and all other potential damage.
30	B.	PROJECT / SITE CONDITIONS
31 32		1. Shade system shall not be installed until the building is operating in ambient temperature and humidity ranges consistent with that intended for buildings ultimate use.
33	C.	SCHEDULING
34		1. Do not fabricate shades without obtaining field dimensions for each opening.
35		2. Coordinate construction of surrounding conditions to allow for timely field dimension verification.
36 37		3. Manufacturer's standard lead times apply. Reference submittal and schedule accordingly for project timeline.
38	D.	EXTRA MATERIALS
39 40		1. The manufacturer shall make available to the end user a method of ordering new equipment for expansions, replacement, or parts to be used as spares twenty-four hours a day, seven days a week.
41 42		2. The manufacturer must make available new or remanufactured parts for a minimum period of ten years from the final date of commissioning.
43	PART 2	2 - PRODUCTS
44	1.01	MANUFACTURERS

45 A. To establish the standard of quality, design, and function desired, drawings and specifications are

1		based	on the Manual Solar Shades by:
2		1. Sprin	ngs Window Fashions, SWFcontract.
3		2. Or ap	proved equal by MechoShade Systems, Inc., Hunter Douglas, or approved equal.
4 5		3. Deale deal	er contact information: Interiors by J&L, Janice Quinton, 608.592.4221 or other approved ler.
6	1.02	GENERAL	SYSTEM SPECIFICATIONS
7	A.	OPERATIO	ON
8		1. Mai	nual.
9	1.03	ROLLER S	SHADES
10	A.	MOUN	TING
11 12		1. Rol shac	ler shade brackets shall allow for symmetrical light gaps as small as $\frac{3}{4}$ on each side of de.
13 14			tem shall have a roller shade leveling adjustment that allows level adjustment while the er shades are mounted to the brackets.
15 16			tem shall allow a side-to-side adjustment of up to $\pm 3/8$ " on each side while the shade is unted to the bracket to properly center shade over the window.
17 18 19		mov	tem shall have a projection adjustment of up to $1/2$ " allowing the shade to clear the trim or ve the shade closer to the window in order to have a tighter seal between the fabric and the dow.
20 21		•	tem dual brackets shall be provided to permit two shades rollers to be mounted in the same ning.
22	B.	SHADE	TUBE
23		1. 2.5'	' aluminium extrusion
24 25			ric shall be connected to the tube with double-sided adhesive strip applied for exact and firm unting of the fabric and for easy adjustment of fabric to prevent telescoping.
26 27			ninimum of one turn of fabric will be placed on the roller before the working section of ic starts, to protect the fabric and smooth out the starting seam.
28	C.	FABRIC	CS
29		1. Qua	alifications
30		a. Fi	re – Provide shade fabrics tested in accordance with:
31			1989 NFPA 701 small scale Vertical Burn Test and rated "PASS."
32		ii.	1996 NFPA 701 small scale Vertical Burn (telephone booth test) and rated "PASS."
33	E.	MANU	FACTURING
34		1. Wh	ere applicable, shade fabric will be ultrasonically cut and friction sealed to minimize fraying.
35		2. Wo	ven yarn fabrics will be interlocking and heat-treated so that all material is securely bonded.
36 37			de Fabric panels shall be 100% visually inspected for defects using a light box integrated the manufacturing line.
38 39			% visual inspections shall be performed on each shade seam and hem bar welds and npared to strict aesthetic standards.

1 2		5. Shade seam weld strength process shall be tested on a daily basis to ensure controlled consistency of weld quality.
3		6. Shade panels shall be 100% checked for squareness $(\pm 1/16")$
4 5		 Shade panels shall be 100% visually inspected to ensure there are no frayed edges or defects in the cut.
6	F.	LIGHT FILTERING FABRICS
7		1. Equal to Phifer Shearweave 2410, Greenguard Certified.
8		a. Openness factor to be selected by architect from manufacturer's full range.
9		b. Color to be selected by architect from manufacturer's full range.
10	G.	FASCIA
11 12		1. To be selected from manufacturer's full range.
12	H.	HEM BAR
14		1. Standard Sealed Hem Bar shall be a 1" wide by .1875" thick extruded aluminum bar enclosed on
15 16		all sides in a thermally sealed pocket across the bottom of the shading fabric.
17	PART	3 - EXECUTION
18	3.01	EXAMINATION
19	А.	Refuse delivery of any damaged packaging.
20	В.	Ensure all parts match specified bill of materials and purchase order.
21	3.02	INSTALLATION
22	A.	Install shades in windows level and plumb to provide smooth operation.
23	В.	Install in accordance with manufacturer's product data and approved shop drawings
24	C.	Field measurement and installation shall be performed by a factory-trained technician.
25	3.03	FIELD QUALITY CONTROL
26	А.	Site test/Inspection
27		1. Examine substrate and conditions for installation. Do not commence installation until conditions
28 29		are satisfactory. Commencement of installation indicates acceptance of site conditions by Contractor. Notify the Design Professional upon inspection when the project conditions are
30		unacceptable for shade installation. "Beginning of installation" means acceptance of substrate and
31		project conditions.
32	3.04 A	DJUSTING
33	А.	Adjust fabric on tube to prevent telescoping of fabric over time.
34	3.05 CI	LEANING
35 36	A.	Touch up damaged finishes and repair minor damage in order to eliminate evidence of repair. Remove and replace work that cannot be satisfactorily repaired.
37 38 39		 Clean exposed surfaces, including metal and shade fabric, using non-abrasive materials and methods recommended by the Shade Fabric Manufacturer. Remove and replace work that cannot be satisfactorily cleaned.

1 3.06 DEMONSTRATION

A. Demonstrate operation method and instruct Owner's personnel in the proper operation and maintenance of
 the window shade systems.

4 3.07 SCHEDULE OF OPENINGS

5 6 7 8	A.	Exterior Openings are approximately 4'-0" high rough openings. Multi-Purpose 124, Conference 200, Office 201, 202, 203, Kitchenette 204, Office 210, Multi-Purpose 217. See plan for configuration, field verify spandrel panel locations in second floor East Washington facing openings.
9 10		END OF SECTION 12 24 13

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POINT DESCRIPTION	Conti	Solenoid	Conti	2-Po:	Elect	4-20	0-10 VDC	Curre	Conti	Auxil	Diff F	Flow	Temp	Diffe	Gauc	Static	Flow	Equip	Main	Lich	- No	M O		Day/I	Dem	Dial-u	Duty		Sche	Trend		Light	Fire /	Secu	Chille	Man	HW/C	CHM	Smol	Fire /	
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Hot Water Alarm										X								Х)	XX	K																			
Hot Water Setpoint Reset						X	2			X																															
HW Primary Supply Temp													Х																	X											
HW Primary Return Temp													Х																	X											
Boiler Pump BP-1 Status								х										х																							Operates when boiler fires and runs on time delay when boiler shuts off
Boiler Pump BP-2 Status								x										х																							Operates when boiler fires and runs on time delay when boiler shuts off
HW Pump P-1 Start/Stop	x																																								P-1 & 2 Operate in Lead-Lag sequence with VFD refer to 23 09 93
HW Pump P-1 Status								Х										Х																				Ц			
HW Pump P-2 Start/Stop	x																																								P-1 & 2 Operate in Lead-Lag sequence with VFD refer to 23 09 93
HW Pump P-1 Status								Х			Ш							Х								\square												Ш			
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(See plans for Qtv)	Control Relay	Solenoid	Contactor 24 VAC	-Stat	ratio	t-20 mA	1/ 0	rren.	Switch Closure	Auxiliary Contact	f Pre	Flow Switch	Recictive	Differential Pressure	edba	atic F	-low	uipn	Pressure	High Limit	Low Limit	ΠĻ	Day/Night Setback	Demand Limiting	Dial-up I/O	Duty Cycling	Scheduled Occ/Unoc	otalization	rend	Redundancy Control	Lighting Integration	e Alŝ	Security/Access Integr Elect POM Integration	Chiller Integration	CFM Offset	DA Lockout	CHW Reset	Smoke Control	rire Alarm Over	l l
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emperature Setpoint Adjust ⁸)	(
Supply Air Damper ^{1&5}				Х	Х	Х	Х								Х														Х											
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Notes:

1. All outputs from these controllers shall be programmed by the contractor to be able to be overridden from the operator workstation and be mapped by the contractor.

2. All tuning parameters (I.e. gain, integral constant, etc.) and setpoints shall be adjustable from the hand-held device used by the contractor.

3. The minimum software points listed will be made available by the contractor. All setpoints should be adjustable through operator workstation.

4. FPB Boxes Shapp cycle fan toprovide night setback heating as specified in 23 09 93.

5. Analog outputs must utilize a calculated proportional command from software. Actual output can be any type but floating outputs shall have feedback from the acutator so actual actuator position is known.

6. Contractor will provide a program for commanding these software inputs based on outside air temperature setpoint point.

8. Separate heating and cooling setpoints.

9. Can be tri-state or proportional actuation.

10. Points need to be mapped as an object on the operator workstation screen

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PROJECT:																																							
Dane County																																							
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Notes:

1. All outputs from these controllers shall be programmed by the contractor to be able to be overridden from the operator workstation and be mapped by the contractor.

2. All tuning parameters (I.e. gain, integral constant, etc.) and setpoints shall be adjustable from the hand-held device used by the contractor.

3. The minimum software points listed will be made available by the contractor. All setpoints should be adjustable through operator workstation.

4. Selected VAV boxes served by RTU-1 are noted in the control sequences or indicated "NIGHT" at the VAV Thermostat are to start RTU as specified in 23 09 93.

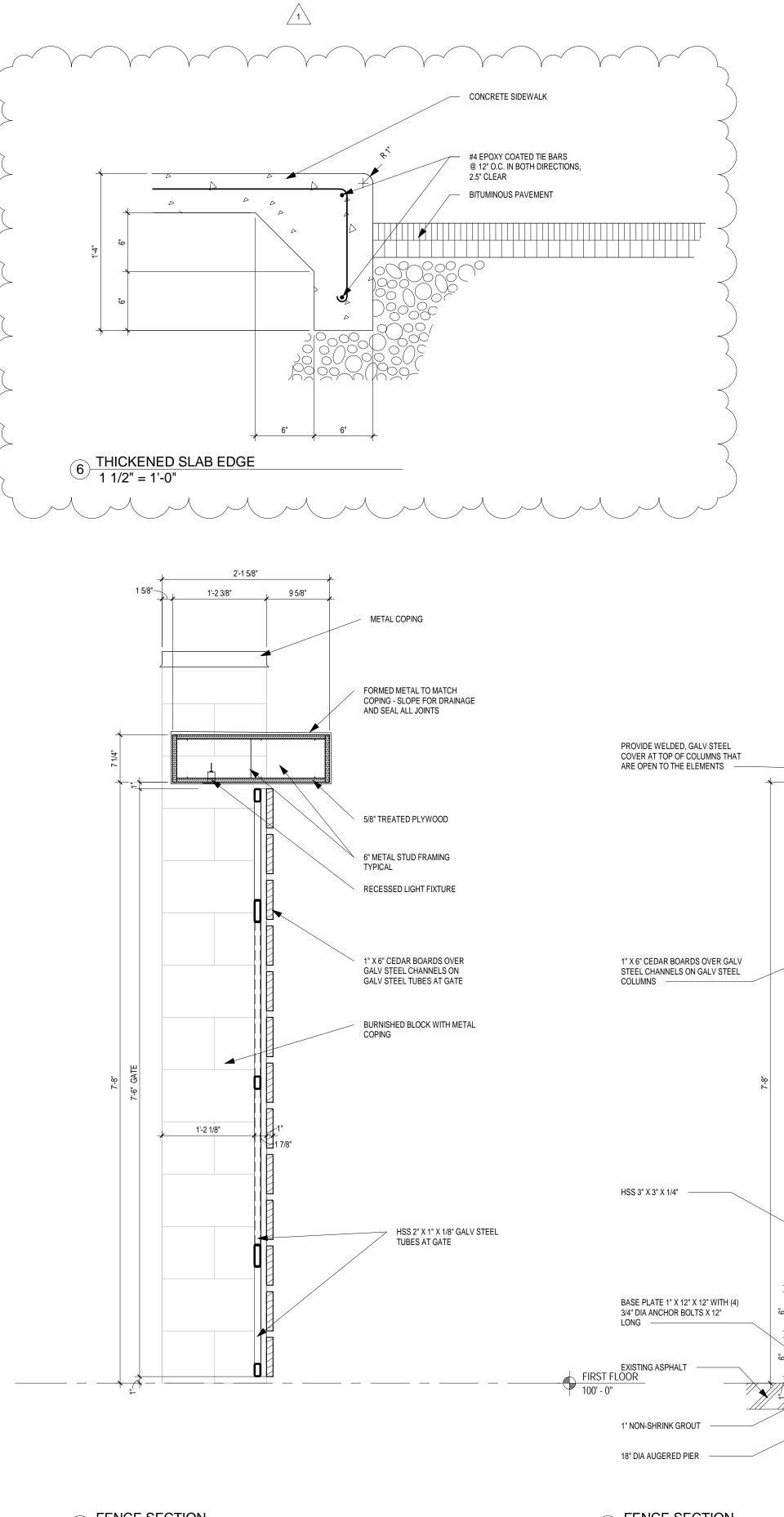
5. Analog outputs must utilize a calculated proportional command from software. Actual output can be any type but floating outputs shall have feedback from the acutator so actual actuator position is known.

6. Contractor will provide a program for commanding these software inputs based on outside air temperature setpoint point.

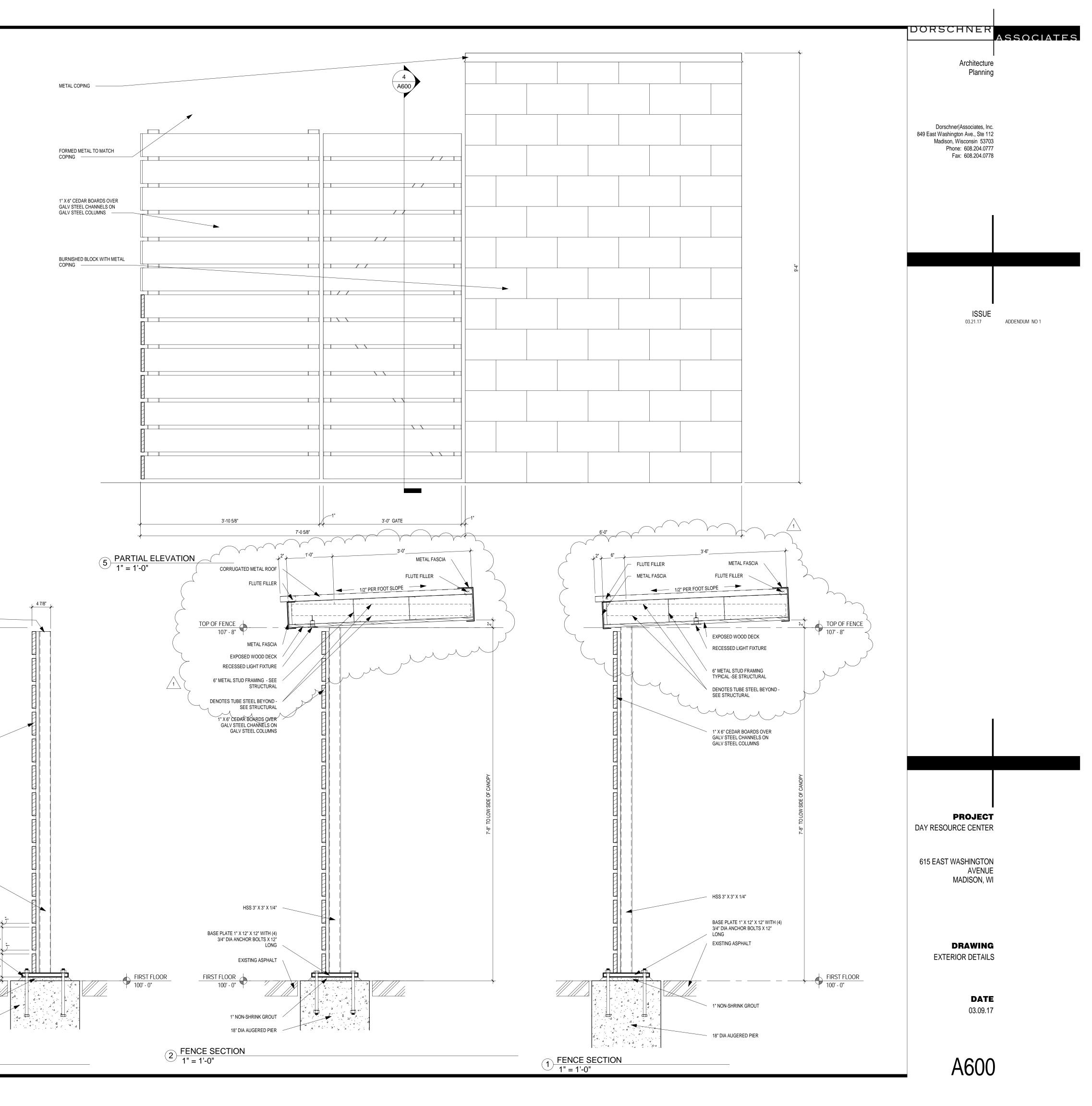
8. Separate heating and cooling setpoints.

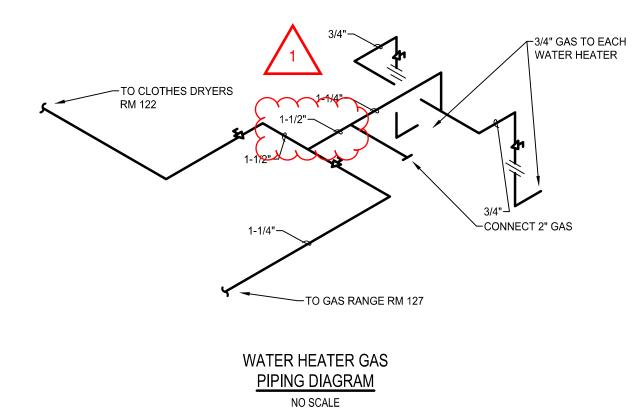
9. Can be tri-state or proportional actuation.

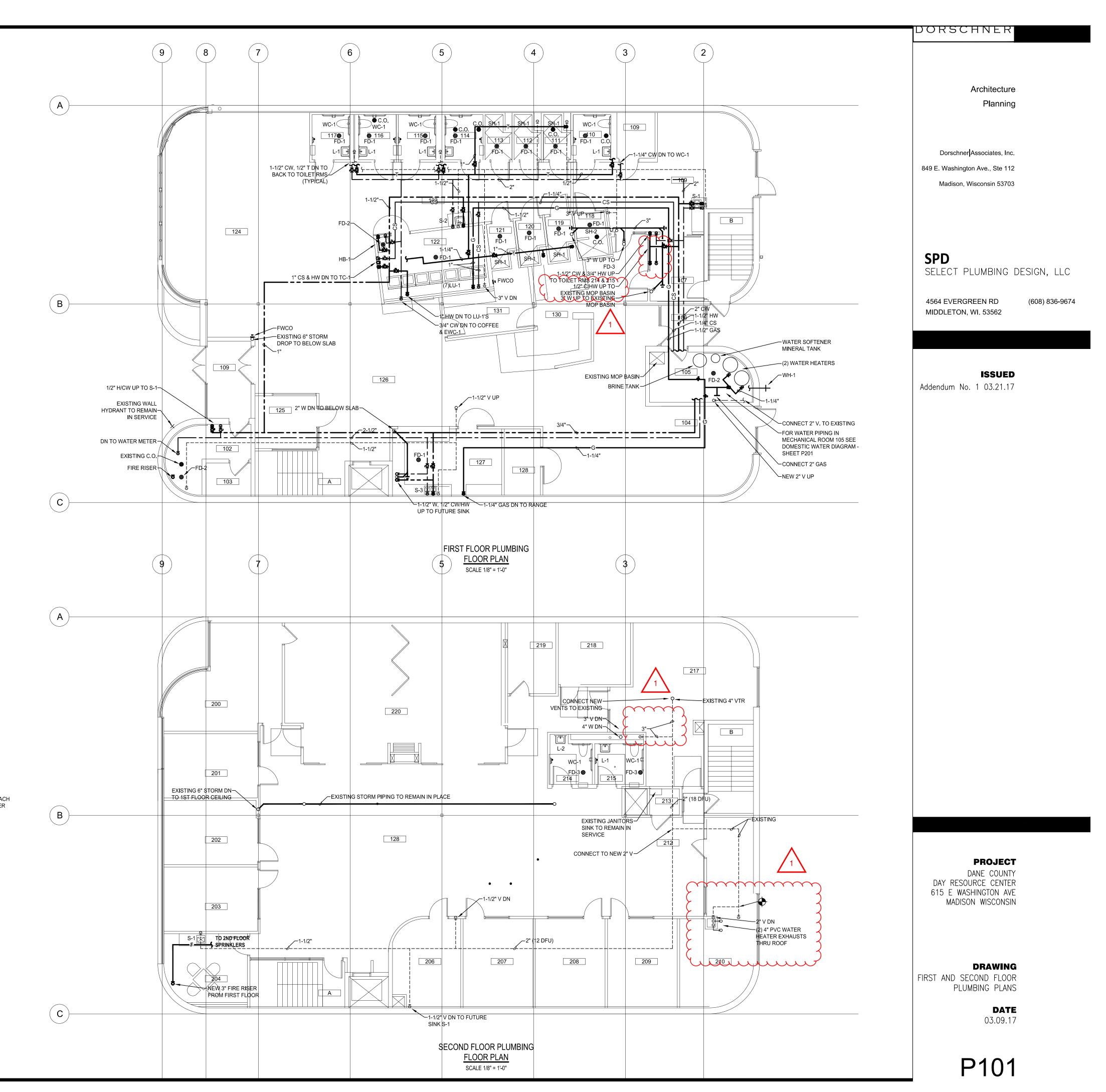
10. Points need to be mapped as an object on the operator workstation screen

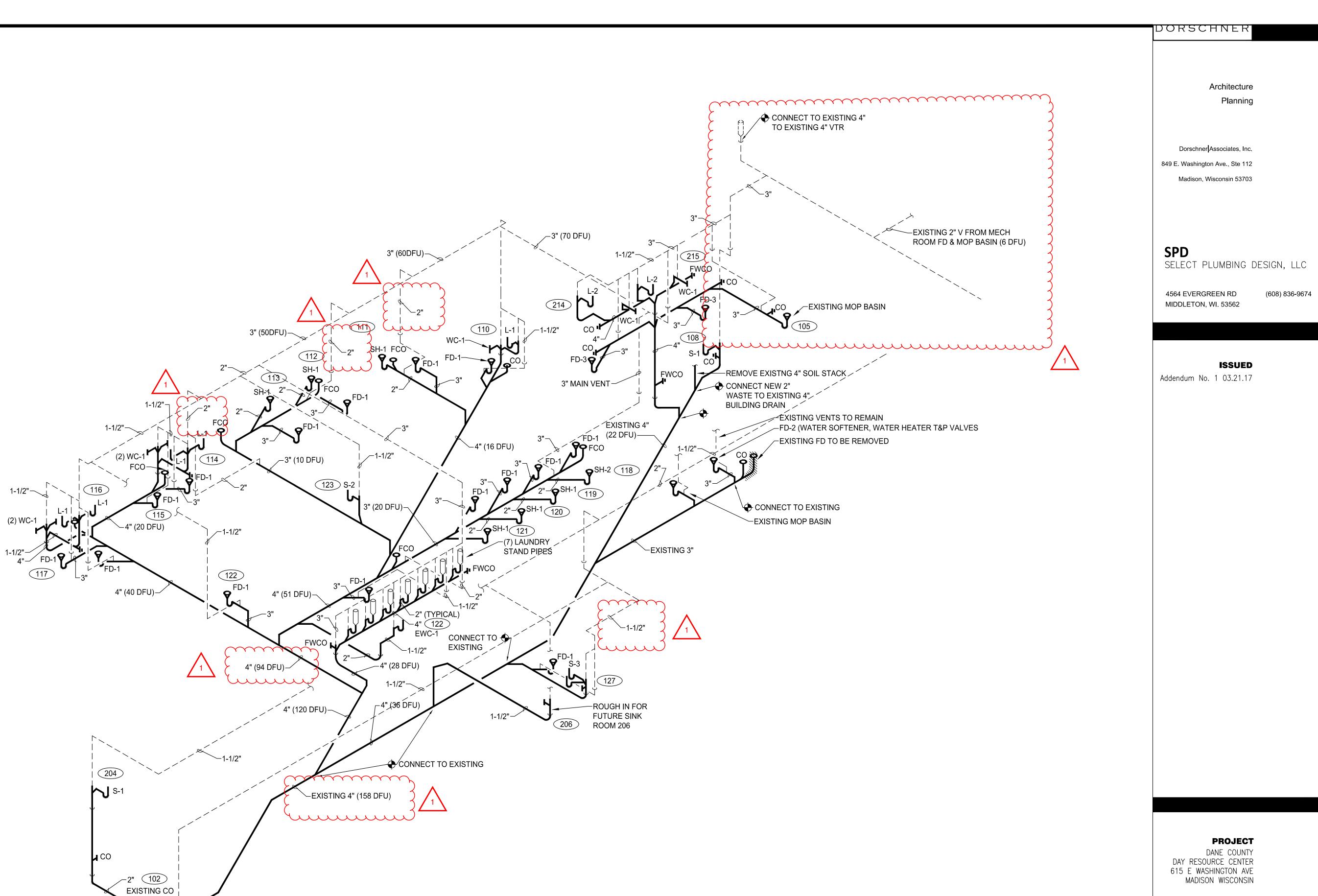


4 <u>FENCE SECTION</u> 1" = 1'-0" 3 FENCE SECTION 1" = 1'-0"









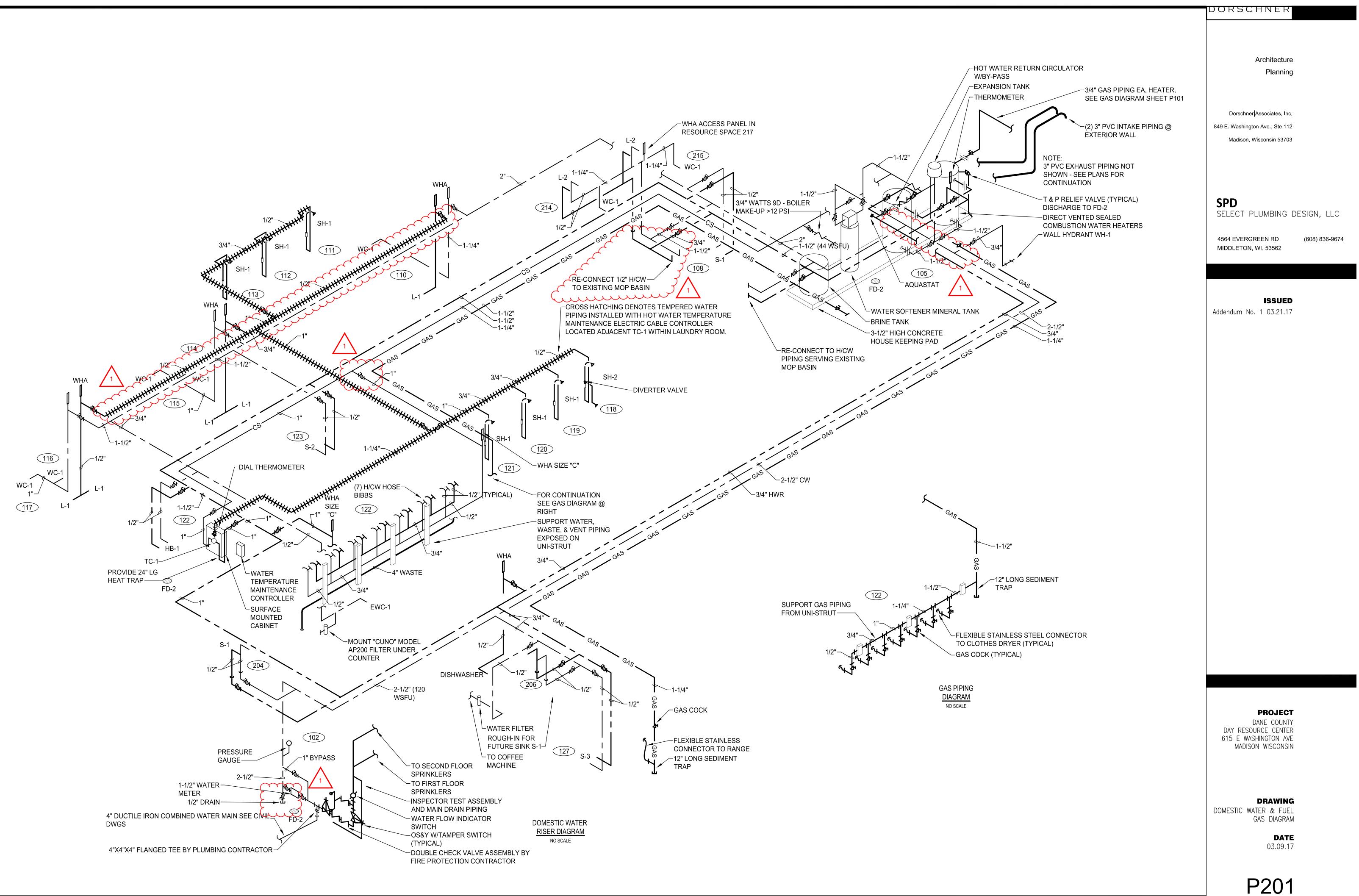
FD-2 CONNECT TO EXISTING 4" ─4" EXISTING BUILDING SEWER TO SEWER IN EAST WASHINGTON AVE.

WASTE & VENT **RISER DIAGRAM** NO SCALE

DRAWING WASTE & VENT DIAGRAM

DATE 03.09.17





DANE COUNTY

Department of Public Works, Highway & Transportation

PRE-BID SITE TOUR

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SBS

Department of Public Works, Highway & Transportation

DANE COUNTY

PRE-BID SITE TOUR

Day Resource Center Remodeling Bi

Bid #317012

	03/20/17		
Name	Company	Phone No.	E-mail address
LUCAS KRAMER	LUCAS KRAMER QUALITY RUPEING INC	715 334 8881	Lucks Ocher F. Com
Es Enrice	BRCHMANN Construction	(06 222 SEL	cerpler C bachmennionstruction net
Vince Laufenberg	Mctree Associates	608-271- 49co	Uncel @ metreralsociacien
Berl Smith	OMNE TECHNOLOGIES LLC	608-819-1980	BSMETH COMNETCHNOLOGIES LLC.
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