

ADDENDUM NUMBER ONE – MAY 19, 2016

The following changes and amendments are made to the plans and specifications on the project. These modifications to the plans and specifications become a part of the Contract Documents. Acknowledgment of this Addendum is required as a part of the bid process.

**The general contractor for the project will maintain a copy of this addendum and any previously issued addendum on the job site at all times for the general contractor's and subcontractor's use.**

SPECIFICATIONS:

- A1-1 Clarification – The site and civil excavation work outside the perimeter of the building addition is not a part of this bid. The contractor will however excavate for building footings and foundations, below slab plumbing inside the building, remove any spoils, and back fill perimeter of foundation work and below slab plumbing work within the building.
- A1-2 Clarification – There will be an area of the site to the east of the building addition that the contractor can use as a staging area. The contractor will be responsible to return that area to the state in which was prior to the use of that area.
- A1-3 The building pad is scheduled to be completed by August 1, 2016 for use by the contractor. The testing reports from the placement of the building pad will be made available to the contractor. A notice to proceed will be issued approximately two (2) weeks prior to the completion of the building pad excavation.
- A1-4 The general contractor will be responsible to provide special inspections for the project and pay for those costs.
- A1-5 The contractor will coordinate with the site contractor the installation of the below grade drainage system for the building gutters and downspouts. The contractor for the building package will be responsible for the gutters and downspouts; site contractor is responsible for excavation, below grade piping and the transition piping to the building downspout. These locations will be determined and coordinated with the building foundations and footing pads to avoid conflict.
- A1-6 The owner will furnish all glass for the project and the contractor will install.
- A1-7 The owner will furnish the one (1) louver shown on the north wall 10'-0" x 9'-0" for the glass oven mechanical room equipment and the contractor will install the louver complete with all flashing necessary thru the building wall panels. All other louvers (hvac) will be by the contractor.
- A1-8 The owner will remove items on the existing east wall (interior & exterior mainly electrical items) at the locations that will be opened up to the building addition, to include the removal of the overhead crane at the north end of the existing glass line. The contractor will be responsible for opening up the existing east wall to the building addition per the notes in the drawings.
- A1-9 The contractor will protect the existing plant from construction debris with a temporary dust partition (floor to ceiling) while constructing the break room in the existing building, and existing wall panel removal. The exact location will be determined and coordinated with the owner & architect.
- A1-10 See attached pre-bid meeting attendees list.

DRAWINGS:

- A1-11 Clarification – At the masonry walls of the break room the contractor will furr around existing building columns as necessary with 8" block as used in the wall construction. In the existing building there should be two (2) locations, and the location in the northeast corner will adjust the millwork south as needed to accommodate the furring around the existing building column.
- A1-12 Clarification – The interior metal building walls of room Glass Heat Treating Room extend from finished floor level to the roof above and are coped around the building roof purlins to provide a dust barrier. The interior walls of this room are not insulated.

- A1-13 Clarification – Roof slope of the existing building is believed to 1/4" on 12" with an offset ridge per the roof plan and building elevations. This and the north and south eave elevations will be field verified by the contractor during the metal building ordering / shop drawing process.
- A1-14 Contractor's option; the 3'-0" x 7'-0" doors in the interior metal building walls of the Glass Heat Treat area may be by the metal building manufacture doors and frames complete with hardware or hollow metal frames and doors, complete with hardware supplied locally.
- A1-15 Clarification – Owner's is supplying and having the sprinkler system installed by their vender, provide collateral loading for a sprinkle system in the design of the metal building system.
- A1-16 Clarification – Per the electrical drawings the electrical contractor will be responsible for the ground mounted transformer concrete pad.

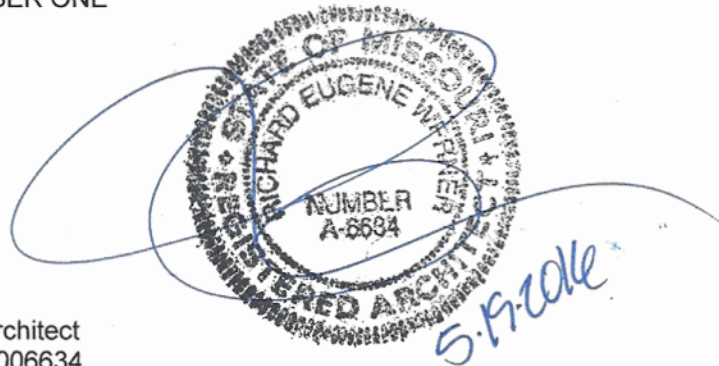
STRUCTURAL DRAWINGS:

- A1-17 See attached information from Miller Engineering, P.C.

MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS:

- A1-18 See attached information from Pond Creek Design.

END OF ADDENDUM NUMBER ONE



Richard Eugene Werner – Architect  
Missouri License Number A-006634  
Missouri State Certificate of Authority  
Number A-2012011837

PRE BID 5/17/2016 9:00 AM

NAME

CONTACT INFO

Mitchell Bonner

MBONNER@RICKKRAMER.com

Jeremy Pant

estimating@branco.com

Carter Marion

jflynn@constructionservicesgroup.net

Danny Vaughn

danny.vaughn@sbcglobal.net

David Vaughn

JDVco@sbcglobal.net

Vince Brocker

Vbrocker@<sup>mail</sup>globe.com / Vaughn's

Dan Reed

dreed@steele.com

Russ Corkin

ESTIMATING@PILKINTONPAINTINGCO.COM

Dick Smith

dick@resmithconst.com



# pond creek

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## designs

229 Highway 60 West, Republic, MO 65738  
Phone# (417) 732-2845  
timham@pcdesigners.com



## Transmittal

**To:** Mr. Richard Werner, A.I.A. **From:** Timothy C. Hamilton, P.E.

<b>Company:</b> RE Werner Architects	<b>Sets:</b>
<b>Address:</b> 1354 Lawrence County RD 2225 Verona, MO 65769	<b>Date:</b> 5-17-16
<b>Re:</b> Window Technology, Inc. Addendum 1	<b>CC:</b>

☐ Urgent    x For Review    ☐ Please Comment    ☐ Please Reply    ☐ Please Recycle

● Comments

Please include the following items in your next addendum on the project.

### Electrical

1. "PC" shown at the switching locations for the lights on the inside of the building shall be motion sensors equal to Lithonia Lighting WSXWH motion sensor with switch override.
2. The two charger outlets shall be 30 amp three pole twist and lock wall connections fed from 30 amp three pole breakers HV2-20,22,24 and 26,28,30. See sheet 3 (attached)
3. The riser has been diagram has been clarified for labeling, additional information on MDP-2 has been provided as well as some feeders have been clarified. Breakers for HV3 have been added to MDP-1
4. Additional information on the oven has been provided. It appears that the expectations from the oven manufacturer is that the electrical contractor will

provide two 800 amp disconnects as well as a 20 amp /120 volt shunt trip control circuit to this piece of equipment.

### Plumbing

1. The sizes on the water softener detail of 2" are incorrect. The floor plan sizes are correct.

CUSTOMER SUPPLIED



CUSTOMER SUPPLIED

CUSTOMER SUPPLIED



CUSTOMER RESPONSIBILITY

CUSTOMER SUPPLIED

685 AMP CONNECTED

831 AMP CONNECTED

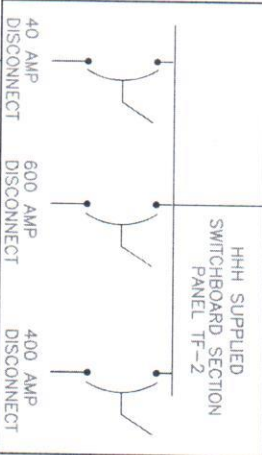
CONTAINS - ELEMENT FUSES AND MERCURY CONTACTORS  
2-SIZE 00 STARTER  
MISC RELAYS, 12 VDC CONTACTORS, MISC FUSES  
1-2KVA XFMR, 1-3KVA XFMR

MAIN LUG  
LANDING

HHH SUPPLIED  
HEATING CONTROL  
SECTION  
PANEL TF-1

MISC CONTROL PRIMARY

HHH SUPPLIED  
SWITCHBOARD SECTION  
PANEL TF-2



TO FURNACE OVERHEAD STRUCTURE

4- 4 X 4 WIREWAYS WITH #8 HEATER FEEDS



1- 4 X 4 WIREWAY WITH MISC CONTROL WIRES



1- 4 X 4 WIREWAY WITH THERMOCOUPLE WIRING

TO FURNACE OVERHEAD STRUCTURE

ALL WIRE SIZING OF COMPONENTS SUBJECT TO LOCAL CODES

ONE LINE 2

H.H.H. ARCHITECTURAL  
TEMPERING SYSTEMS

ONE LINE ELECTRICAL  
FOR 72 x 144 SB FURNACE

DATE BY JWH/5/7/76  
SCALE NTS  
NOT TO SCALE  
SHEET 1 OF 1



DEMAND FACTOR \*\* \*\* \*\* \*\*  
WATER ADJUSTMENTS 21.6 10.2 52.2 84.0  
100% OF THE LARGEST MOTOR LOAD  
125% OF THE REMAINDER  
(AF) ARC FAULT PROTECTED

MAIN DISTRIBUTION PANEL

MAIN DISTRIBUTION PANEL									
"MDP2" AMPERE RTG: 1600A		TYPE: SQUARE D I-LINE		ACCESSORIES		SUB-FEED LUGS			
MAIN: 480/277V, 3Ø, 4W		MOUNTING: 18" X 18" X 1/2"		TERMINAL BLOCKS		TERMINAL BLOCKS			
LOCATION: SEE PLAN		WIRE: 480/277V, 3Ø, 4W		X ISOLATED GND BAR		X MCB G.F.P. 1755			
LOAD DESCRIPTION		T.T.G. RCPT.		LOAD DESCRIPTION		LOAD DESCRIPTION			
FURNACE		T.T.G. RCPT.		FURNACE		FURNACE			
CONNECTED LOAD, SUB-TOTAL		110.95		CONNECTED LOAD, SUB-TOTAL		CONNECTED LOAD, SUB-TOTAL			
TOTAL CONNECTED LOAD		175.57		TOTAL CONNECTED LOAD		TOTAL CONNECTED LOAD			
DEMAND FACTOR		175.57		DEMAND FACTOR		DEMAND FACTOR			
TOTAL WATER ADJUSTMENTS		175.57		TOTAL WATER ADJUSTMENTS		TOTAL WATER ADJUSTMENTS			
NOTES:		NOTES:		NOTES:		NOTES:			
** SIZED PER N.E.C. 220-20 OPTIONAL METHOD FOR CALCULATION OF SERVICE. MINIMUM SERVICE SIZE 1600A.		** SIZED PER N.E.C. 220-20 OPTIONAL METHOD FOR CALCULATION OF SERVICE. MINIMUM SERVICE SIZE 1600A.		** SIZED PER N.E.C. 220-20 OPTIONAL METHOD FOR CALCULATION OF SERVICE. MINIMUM SERVICE SIZE 1600A.		** SIZED PER N.E.C. 220-20 OPTIONAL METHOD FOR CALCULATION OF SERVICE. MINIMUM SERVICE SIZE 1600A.			

TRANSFORMER SCHEDULE

MARK	KVA	PRIMARY VOLTAGE	SECONDARY VOLTAGE	MOUNTING
TR1-3	75	480 VOLT DELTA	208Y/120	COLUMN MOUNT

NOTES  
1. TRANSFORMERS SHALL BE DRY TYPE

GROUNDING DETAIL  
E3.2  
NO SCALE

FEEDER SCHEDULE

PLAN MARK	AMPERAGE	FEEDER SIZE	ELEC
1	20A	3#12 & 1#12GND, 3/4"C	1. C
2	20A	4#12 & 1#12GND, 3/4"C	2. C
3	30A	3#10 & 1#10GND, 3/4"C	3. F
4	30A	4#10 & 1#10GND, 3/4"C	4. F
5	50A	3#8 & 1#10GND, 3/4"C	5. F
6	50A	4#8 & 1#10GND, 3/4"C	6. F
7	60A	3#6 & 1#10GND, 3/4"C	7. F
8	60A	4#6 & 1#10GND, 1"C	8. F
9	80A	3#4 & 1#8GND, 1 1/4"C	9. F
10	80A	4#4 & 1#8GND, 1 1/4"C	10. F
11	100A	3#3 & 1#8GND, 1 1/4"C	11. C
12	100A	4#3 & 1#8GND, 1 1/4"C	12. C
13	125A	3#1 & 1#6GND, 1 1/2"C	13. F
14	125A	4#1/0 & 1#6GND, 2 1/2"C	14. F
15	150A	3#1/0 & 1#6GND, 1 1/2"C	15. F
16	150A	4#1/0 & 1#6GND, 1 1/2"C	16. F
17	175A	3#2/0 & 1#6GND, 2"C	17. F
18	175A	4#2/0 & 1#6GND, 2"C	18. F
19	200A	3#3/0 & 1#6GND, 2"C	19. F
20	200A	4#3/0 & 1#6GND, 2"C	20. F
21	225A	3#4/0 & 1#6GND, 2"C	21. F
22	225A	4#4/0 & 1#6GND, 2 1/2"C	22. F
23	250A	3-250KCM & 1#6GND, 2 1/2"C	23. F
24	250A	4-250KCM & 1#6GND, 2 1/2"C	24. F
25	300A	3-350KCM & 1#6GND, 3"C	25. F
26	300A	4-350KCM & 1#6GND, 3"C	26. F
27	400A	3-500KCM & 1#5GND, 3"C	27. F
28	400A	4-600KCM & 1#5GND, 4"C	28. F
29	600A	TWO SETS OF 3-350KCM & 1#10GND, 3"C	29. F
30	600A	TWO SETS OF 4-600KCM AL & 1#10GND, 4"C	30. F
31	800A	TWO SETS OF 3-500KCM & 1#10GND, 4"C	31. F
32	800A	TWO SETS OF 4-500KCM & 1#10GND, 4"C	32. F
33	1000A	THREE SETS OF 3-500KCM & 1#10GND, 4"C	33. F
34	1000A	FOUR SETS OF 3-500KCM & 1#3/0GND, 3"C	34. F
35	1200A	FOUR SETS OF 4-350KCM & 1#3/0GND, 4"C	35. F
36	1600A	FOUR SETS OF 3-600KCM & 1#4/0GND, 4"C	36. F
37	1600A	FOUR SETS OF 4-750KCM & 1#4/0GND, 4"C	37. F
38	2000A	SIX SETS OF 3-500KCM & 1#250GND, 4"C	38. F
39	2000A	SIX SETS OF 4-600KCM & 1#250GND, 4"C	39. F
40	3000A	EIGHT SETS OF 3-500KCM & 1#400GND, 4"C	40. F
41	3000A	EIGHT SETS OF 4-600KCM & 1#400GND, 4"C	41. F
42	4000A	EIGHT SETS OF 4-600KCM & 1#400GND, 4"C	42. F

WINDOW TECHNOLOGY

MONETTI, MISSOURI



POND CREEK DESIGNS

PH: (417)732-2845 ~ TIMHAM@PCDENGINTEERS.COM  
229 HIGHWAY 60 WEST, REPUBLIC, MO 65738

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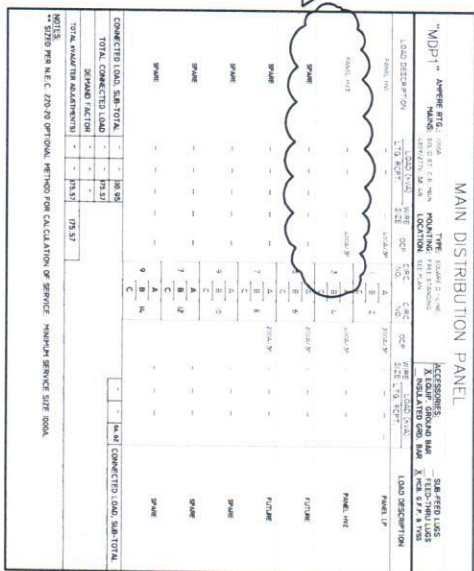
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GROUNDING  
ILLUSTRATION

## PANELBOARD SCHEDULE

TRANSFORMER SCHE			
MARK	KVA	PRIMARY VOLTAGE	SECONDARY VOL
TR1-3	75	480 VOLT DELTA	208Y/120
NOTES			
1. TRANSFORMERS SHALL BE DRY TYPE			

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4.  
CONCRETE  
HOUSEKEEPING  
PAD BY  
ELECTRICAL  
CONTRACTOR.



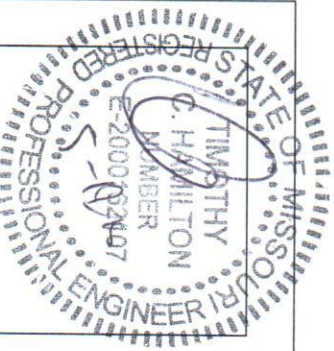
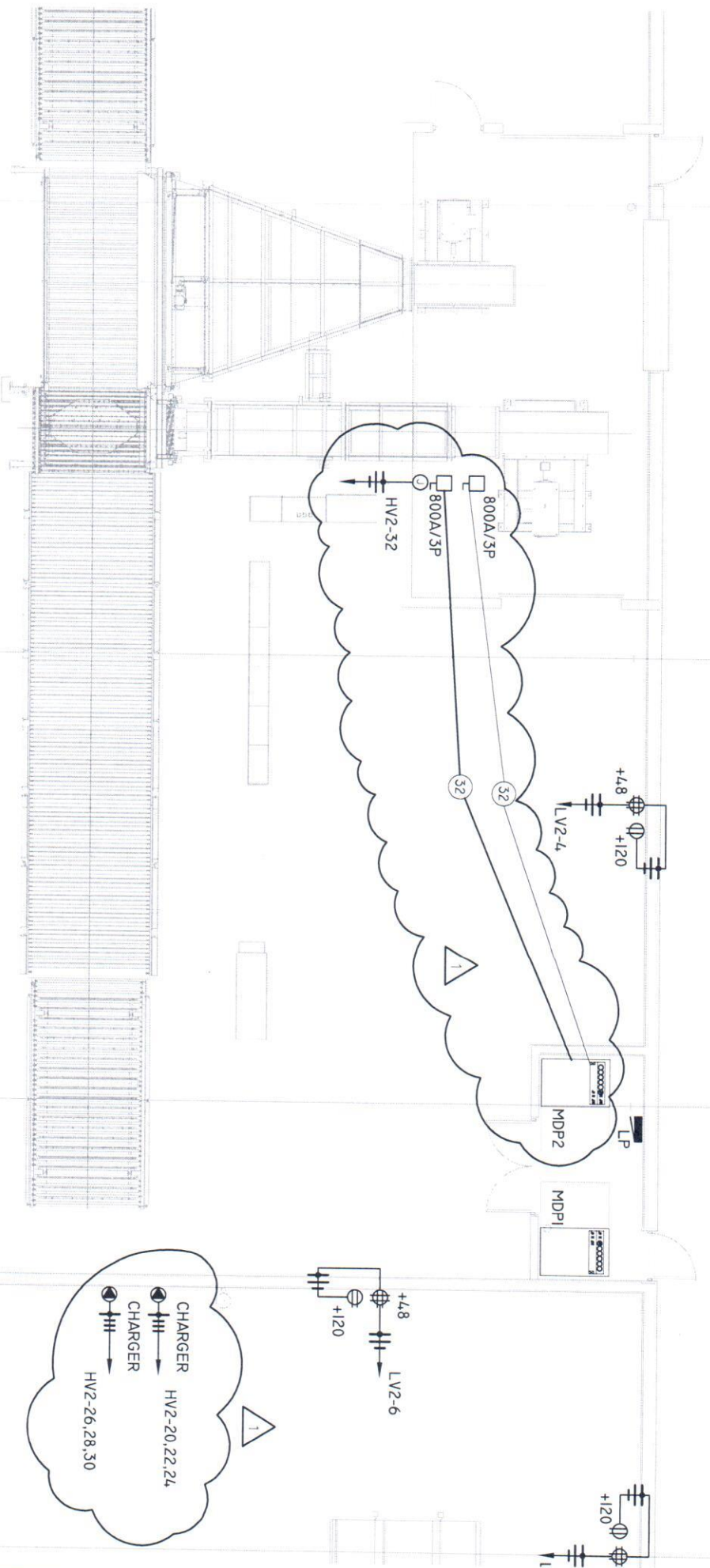
POND CREEK DESIGNS  
417.733.3845 ~ TIMHAM@BCDENGINEERS.COM

PH: (417)732-2845 ~ [TIMHAM@PCDENGINEERS.COM](mailto:TIMHAM@PCDENGINEERS.COM)  
229 HIGHWAY 60 WEST, REPUBLIC, MO 65738

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ADD. NO.





# WINDOW TECHNOLOGY

MONETT, MISSOURI

## POND CREEK DESIGNS

PH: (417) 732-2845 ~ TIMHAM@PCDENGINEERS.COM  
229 HIGHWAY 60 WEST, REPUBLIC, MO 65738

SHEET NO. 3 OF X

DATE 05/19/16

ADD. NO. 1

Office 417-866-6664  
Fax 417-866-6667  
Email [travis@millerstructures.com](mailto:travis@millerstructures.com)



3827 S Timbercreek Ave Ste A  
Springfield, MO 65807

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## Addendum 1

May 19, 2016

Re: Wintech Window Technology  
201 Industrial Drive  
Monett, Missouri 65708  
Project #4183

To Whom It May Concern,

The contract documents shall be modified as follows for the above referenced project:

**Sheet S1.0:** At the north east corner of the building an overhead crane is to be installed. The exact configuration and model of this crane has yet to be decided. Once a crane has been selected a supplemental drawing will be issued that reflects the thickened slabs that will be required within that area. For bidding purposes assume there will be (4) thickened slab areas where the slab is thickened to 12" and reinforced with a single mat of #4 rebar at 12" o.c. each way. The thickened slabs should be assumed to have a footprint that is 4'-0" square.

Sincerely,



Travis Miller, P.E., CSI, CDT