

Date: August 18, 2016

To: All Bidders

From: West Plains Engineering
145 S. Durbin, Suite 205
Casper, WY 82601

Project: Big Horn County Senior Center – HVAC Replacement
Big Horn County
417 South 2nd Street
Greybull, WY 82426

TO: All prime contract bidders and all others to whom Drawings and Specifications have been issued by the Engineer. Acknowledge receipt of the Addendum by inserting its number and date on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies them as follows:

SPECIFICATIONS:Division 00

1. Substantial completion for the project shall be October 31, 2016. Final completion for the project shall be November 7, 2016.
 - a. Section 00 4100, Part 1.07 B Contract Time: Revise “15th day of November” to read “7th day of November”
 - b. Section 01 1000, Part 1.01 D: Revise “December 31, 2016” to read “November 7, 2016.”

DRAWINGS:SHEET M1

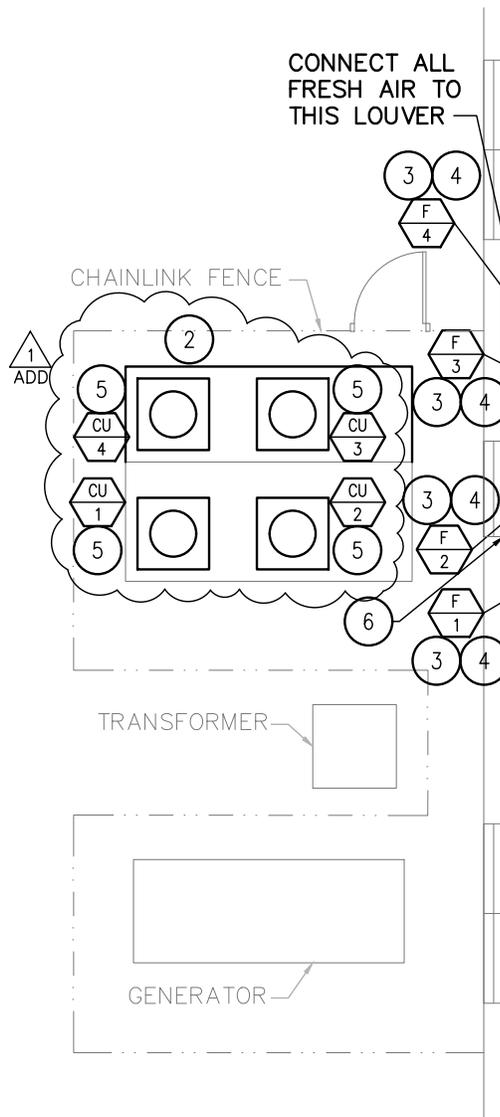
1. HVAC Plan: Per State Fire Marshal Plan Review Comment, move condensing units CU-2 and CU-3 to the west to maintain 42” clear in front of electrical disconnects. See attached sketch sheet M-1.A

SHEET E1

1. Electrical Renovation Plan: Per State Fire Marshal Plan Review Comment, move condensing units CU-2 and CU-3 to the west to maintain 42” clear in front of electrical disconnects. See attached sketch sheet E-1.A

Attachments:

1. Plan Review from the Department of Fire Prevention & Electrical Safety (5 pages)
2. Plan Holders List (1 page)
3. Sketch Sheet M-1.A (1 page)
4. Sketch Sheet E-1.A (1 page)



SCALE: 1/8" = 1'-0"

WPE WEST PLAINS ENGINEERING, INC.

145 S. DURBIN, SUITE 205 • CASPER, WY 82601
 PHONE: (307) 234-9484 • FAX: (307) 234-5494
 WWW.WESTPLAINSENGINEERING.COM
 RAPID CITY, SD • SIOUX FALLS, SD • CASPER, WY • CEDAR RAPIDS, IA • BISMARCK, ND

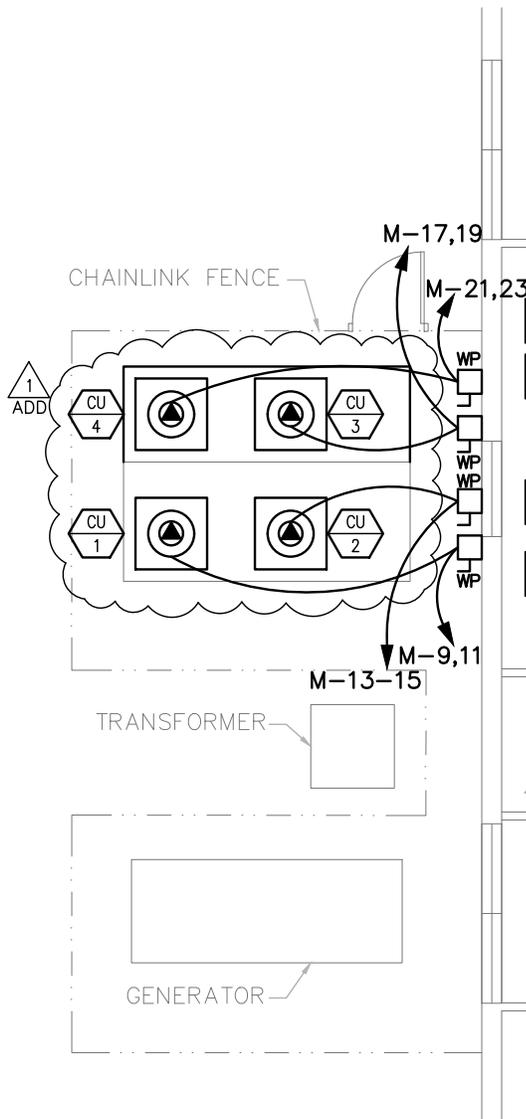
ADDENDUM #1 - HVAC PLAN

SENIOR CITIZENS' CENTER
 HVAC REPLACEMENT
 BIG HORN COUNTY

GREYBULL, WYOMING

DESIGNED:	LP	DRAWN:	JM
APPROVED:	SI/JE		
PROJECT#:	BC16012		
DATE:	8-17-16		

SHEET:	M-1.A
--------	--------------



SCALE: 1/8" = 1'-0"

WPE WEST PLAINS ENGINEERING, INC.

145 S. DURBIN, SUITE 205 • CASPER, WY 82601
 PHONE: (307) 234-9484 • FAX: (307) 234-5494
 WWW.WESTPLAINSENGINEERING.COM
 RAPID CITY, SD • SIOUX FALLS, SD • CASPER, WY • CEDAR RAPIDS, IA • BISMARCK, ND

ADDENDUM #1 - ELEC. RENOV. PLAN

SENIOR CITIZENS' CENTER
 HVAC REPLACEMENT
 BIG HORN COUNTY

GREYBULL, WYOMING

DESIGNED:	LP	DRAWN:	JM
APPROVED:	SI/JE		
PROJECT#:	BC16012		
DATE:	8-17-16		

SHEET:	E-1.A
--------	--------------



Department Of Fire Prevention & Electrical Safety

MATTHEW MEAD
GOVERNOR

J. MICHAEL REED
STATE FIRE MARSHAL

August 12, 2016

GENERAL PLAN CORRECTION LIST

Based on the applicable Fire Life Safety sections of the International Building Code 2015 Edition, the International Mechanical Code 2015 Edition, the International Fire Code 2015 Edition, and the 2014 Edition of the National Electrical Code.

PLAN REVIEW NO.:	16137 RM
<i>Note: to avoid delays, the above plan review number must be shown on all future correspondence, addendums and inquiries pertaining to this project.</i>	
NAME OF FACILITY:	Big Horn County Senior Center – HVAC
JOB ADDRESS:	417 South 2 nd Street, Greybull
COUNTY:	Big Horn
OWNER:	Big Horn County
ESTIMATED VAUATION:	\$150,000
PLAN REVIEW FEE:	\$868.60
USE:	Assembly/Business
TYPE OF CONSTRUCTION:	II-B
OCCUPANCY CLASSIFICATION:	A-3/B
PLANS SUBMITTED BY:	West Plains Engineering
ADDRESS:	145 South Durbin, Suite 205, Casper 82601
PHONE:	(307) 234-9484
OCCUPANT LOAD:	NA
BASEMENT:	No
STORIES:	1
BASIC ALLOWABLE FLOOR AREA:	9,500 sq. ft.
FLOOR AREA:	6,240 sq. ft.
TOTAL FLOOR AREA:	6,240 sq. ft.
BASIS FOR INCREASE:	None Taken
FIRE SPRINKLERS:	No
FIRE ALARM SYSTEM:	Unknown
COMMERCIAL HOOD SYSTEM:	Unknown

COPY

Note: The following corrections are to be made on plans before approval is issued. The approval of plans and specifications does not permit the violation of any section of the above referenced minimum standards, nor does it exempt builders, architects, engineers, designers, owners or contractors from the responsibilities of comply with all applicable codes and statutes. All electrical installations shall be made in compliance with the 2014 Edition of the National Electrical Code and installed by a licensed Wyoming electrical contractor, or the owner of the property.

Plan Review # 16137 RM

Prior to occupancy, a compliance inspection will be required by the State Fire Marshal's office. A written request for an inspection shall be submitted to the appropriate office approximately 21 working days (one calendar month) before project completion to facilitate scheduling of the required inspection.

Please respond to the bolded items. *Send response to: Patricia Westerholm, Dept. of Fire Prevention & Electrical Safety, 2500 Academy Court, Riverton, WY 82501.* Please reference the item number in your response. These corrections or additional information are necessary before plans are accepted for construction.

INTERNATIONAL BUILDING CODE ITEMS:

1. Penetrations in fire-resistive assemblies shall comply with Section 714, 715 and 717. The fire-resistive integrity shall be maintained where penetrations are made for electrical, mechanical, plumbing and communication conduits, pipes and similar systems. Firestopping assemblies shall be installed exactly as tested.
2. Provide combination fire/smoke dampers at duct openings into corridors (Sections 717.5.4 and 717.5.4.1).

NATIONAL ELECTRICAL CODE ITEMS:

1. Listed or labeled equipment shall be installed and used in accordance with any instructions included in the listing or labeling. Art. 110.3(B) NEC
2. Equipment intended to break current at fault levels shall have an interrupting rating sufficient for the system voltage and the current, which is available at the line terminals of the equipment. Article 110.9, 110.10, 2014 NEC
3. All conductors and equipment shall be suitable for the environment involved, per Article 110.11, 2014 NEC
4. Switchboards, panelboards, industrial control panels, meter socket enclosures and motor control centers that are in other than dwelling units, and are likely to require examination, adjustment, servicing, or maintenance while energized shall be field or factory marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing, or maintenance of the equipment. The label shall be permanently affixed and shall not be hand-written. Article 110.16, 110.21, 2014 NEC
5. Sufficient working clearances shall be provided for all panelboards, switchboards, electrical disconnects, VAVs, VFDs, motor control centers, other electrical equipment, and equipment access panels, in accordance with Article 110.26, 2014 NEC
6. Dedicated Electrical Space. The space equal to the width and depth of the equipment and extending from the floor to a height of 6 feet above the equipment or to the structural ceiling, whichever is lower, shall be dedicated to the electrical installation. No piping, ducts, leak protection apparatus, or other equipment foreign to the electrical installation shall be located in this zone. Article 110.26(E)(1)(a), 2014 NEC

7. Foreign Systems. Foreign systems such as pipes or ducts shall not be located in the area above the dedicated space required by 110.26(E)(1)(b), 2014 NEC
8. Where more than one nominal voltage system exists in a building, each ungrounded conductor of a branch circuit shall be identified by phase or line and system at all termination, connection and splice points, in compliance with Article 210.5(C)(1)(a) and (b), 2014 NEC
9. A 125-volt, single-phase, 15- or 20-ampere-rated receptacle outlet shall be installed at an accessible location for the servicing of heating, air-conditioning, and refrigeration equipment. The receptacle shall be located on the same level and within 25 feet of the heating, air-conditioning, and refrigeration equipment. The receptacle outlet shall not be connected to the load side of the equipment disconnecting means. Article 210.63, 2014 NEC
10. The grounding of electrical systems shall be arranged in a manner that will prevent objectionable current over the grounding conductors or grounding path. Article 250.6 (A-E), 2014 NEC
11. Bonding - Normally noncurrent-carrying conductive materials enclosing electrical conductors or equipment, or forming part of such equipment, shall be connected together and to the electrical supply source in a manner that establishes an effective ground-fault current path. Article 250.6 (A)(3), 2014 NEC
12. Openings around electrical penetrations through fire- resistive rated walls, partitions, floors, or ceilings shall be fire stopped using approved methods to maintain the fire- resistive rating. Article 300.21, 2014 NEC. Electrical panels shall not be located in firewalls.
13. Fire ratings shall be maintained (Article 300.21, 2014 NEC) when electrical conduit or cables pass through a fire-rated wall, partition, or floor assembly. Simply installing “fire-rated caulk” or “wool insulation” will not necessarily result in an approved fire-stop system. The Authority Having Jurisdiction (AHJ) has the right to ask for an approved through-penetration **firestop system listing**, to ensure that conduit, pipe, and/or wiring passing through walls and/or floors are properly protected. For further information on this subject feel free to call plans examiner office.
14. Wiring in ducts, plenums, and other air-handling spaces shall be limited to the types listed in Article 300.22, 2014 NEC
15. Weatherproof receptacles, shall be **(1)** Listed, Ground-Fault-Circuit-Interrupter (**G.F.C.I.** type), **(2)** Listed, Weather-Resistant (**W/R** type) per Article 406.9(A), Article 406.9(B), 2014 NEC, and **(3)** Have “extra-duty” weatherproof covers per Article 406.9(B), 2014 NEC.
16. Every circuit and circuit modifications shall be legibly identified as to its clear, evident, and specific purpose or use. The identification shall include AN APPROVED DEGREE OF DETAIL to allow each circuit to be distinguished from all others. The identification shall be included in a circuit directory that is located on the face or inside of the panel door in the case of a panelboard, and located at each switch on a switchboard. Article 408.4(A), 2014 NEC
17. All switchboards and panelboards supplied by a feeder in other than one- or two-family dwellings shall be marked to indicate the device or equipment where the power supply originates. In other words, each subpanel shall be marked as to what panel feeds it. Article 408.4(B), 2014 NEC
18. A disconnecting means shall be provided for a motor, in accordance with Article 430.102(B)(1) or (B)(2), and shall be within sight of the motor.

19. Issuance of a permit shall not prevent the Department of Fire Prevention and Electrical Safety from thereafter requiring a correction of errors in plans, construction or violations of the National Electrical Code.
20. Any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents. This will be at the discretion of the electrical inspector.

Specific Comments:

21. Wiring and overcurrent devices for HVAC equipment shall ultimately be sized in accordance with the manufacturer's nameplate on the equipment. Electrician – check nameplate for minimum circuit ampacity and MOPD.
22. All electrical panels, equipment, A/C disconnects, VFDs, control panels, etc., shall have working clearances in accordance with 2014 National Electrical Code (NEC) 110.26. Do not install any piping or pumps, shelves, or anything else, in front of electrical equipment. Do not install electrical disconnects behind appliances, equipment, or A/C units.
23. Overhead piping and new ductwork must not run ABOVE any electrical panels – see general comments.
24. **E1 – A/C condensing unit disconnects do not have required clearances and are being blocked by CU1, CU2, CU3, CU4. Electrical inspector will issue violation if the disconnects are installed as drawn.**
25. Electrical “Rough-In” inspection is required.
26. **This packet, in its entirety, must be forwarded to the electrical contractor. Electrical contractor must call inspector to verify receipt.**

INTERNATIONAL MECHANICAL CODE ITEMS:

1. All mechanical equipment shall be listed, labeled and installed in accordance with the manufacturer's installation instructions (Section 301.7).

These sheets are a part of the plans and shall remain attached thereto. If the applicant agrees to correct the deficiencies as specified above, he/she shall sign on the applicant's line(s) and return to the State Fire Marshal for final approval. If NOT in agreement, the applicant shall submit the objections, in writing, to the State Fire Marshal. If an agreement cannot be reached, the applicant has the right to appeal to the Council on Fire Prevention and Electrical Safety. All appeals shall be submitted on forms provided by the State Fire Marshal's Office in Cheyenne.

Checked By: Patricia Westerholm August 12, 2016
(Plan Review Analyst) (Date)

Sign Here: No need to sign as plans are accepted with above comments.
(Applicant/Owner) (Date)

Approved: Patricia Westerholm August 12, 2016
(Plan Review Analyst) (Date)

ELECTRICAL REVIEW

Checked By: Nicholas Sasso August 12, 2016
(Plan Review Analyst) (Date)

Sign Here: No need to sign as plans are accepted with above comments.
(Applicant/Owner) (Date)

Approved: Nicholas Sasso August 12, 2016
(Plan Review Analyst) (Date)

NOTE: If construction has not commenced within 180 days of the date the plans were approved, or if work is suspended or abandoned for 180 days, the plans and electrical permit are null and void. The applicant must re-submit plans and plan review fees and acquire a new electrical permit if the project is to continue.



PLANHOLDERS LIST

PROJECT: Big Horn Senior Center – HVAC Replacement
PROJECT NO: BC16012

SET NO.	RECIPIENT & RECIPIENT'S ADDRESS	CONTACT INFORMATION	DATE	ADDENDA SENT
electronic	Sheet Metal Specialties Casper, WY	307-472-4305 scott@smsi-wy.com	8/17	
electronic	Bar-T Electric	307-754-8480 Jcr-bar-t@tctwest.net	8/17	
electronic	RC Heating Cooling & Refrigeration	406-698-5838 Rrefrigeration.roberts@gmail.com	8/18	
	Big Horn Heating & Cooling	307-347-3438 www.bighornheatingandcooling.com P.O. Box 407 Worland, WY 82401	8/17	