

TCEP Project No.: 097-039-15
LPS Bid No.: 8365

ADDENDUM NO. 1

The Architect/ Engineer issues this addendum, applicable to the above named project, to all known Contractors before receipt of proposal.

This addendum includes Item Number 1-1 thru 1-31. This addendum item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included.

The Bidder shall acknowledge receipt of this Addendum No. 1 on the Bid Proposal Form in the place provided.

GENERAL

Item 1-1: Pre-Bid Meeting

Attached is a copy of the Pre-Bid Meeting Agenda and a copy of Pre-Bid Meeting attendees list.

Item 1-2: Bid Proposal Form

a) The Bid Proposal Form has been modified and is attached.

Item 1-3: Section 01 23 00 - Alternates

Refer to 3.1, Schedule of Alternates: Add Alternate A-2: Interior Slab Replacement: In lieu of leveling the floor with hydraulic cement underlayment as identified on sheets A1.11C and A1.11D, submit an alternate cost to remove the existing concrete slab, rework the subgrade, and to provide a new 4" concrete slab on compacted granular fill, reinforce with 6x6-W2.1xW2.1 WWF on sand chairs. Provide Class A vapor barrier.

ARCHITECTURAL

Specifications

Item 1-4: Section 07 72 00 – Roof Accessories

- a. Refer to section 2.3, A, subject to compliance with the section, add SafePro as an acceptable manufacturer.
- b. Refer to section 2.4, A, subject to compliance with the section, add SafePro Roof Hatch Safety Rails as an acceptable manufacture / product.

Item 1-5: Section 08 45 23 – Pre-Engineered Insulated Translucent Fiberglass Sandwich Panel Pyramid Skylight System

- a. Refer to section 2.2, A, 2, a, modify the flame spread rating for the interior face sheet to 50.
- b. Refer to section 2.3, A, 5, modify the NFRC certified U-Factor for the complete system to 0.28.

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Drawings

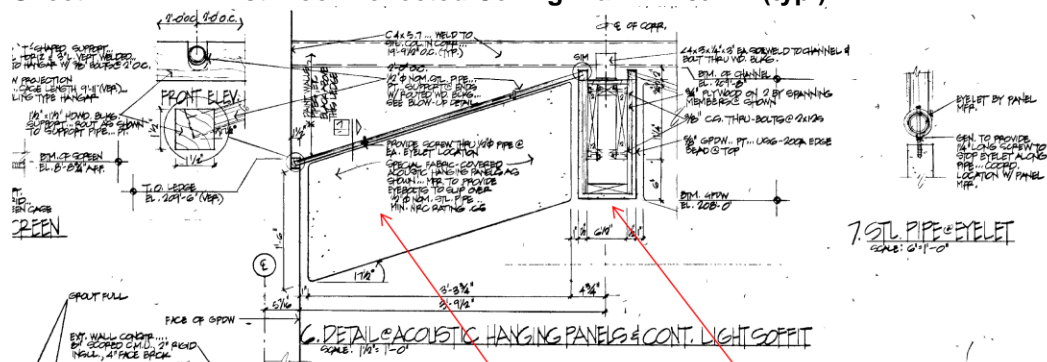
Item 1-6: Sheet A0.00 – Wall Type Schedule & Details

Refer to Masonry Partition Wall Types. Non-bearing CMU walls shall extend to one course above ceiling line, provide wall type H3 from top of CMU to structural deck and seal as noted. Refer to Non-Bearing Wall Typical Bracing detail, this detail is clarified by the attached Supplemental Drawing AD1-1.

Item 1-7: Sheet A1.21A – First Floor Reflected Ceiling Plan – Area ‘A’

Remove Plaster ceilings from Custodial 184C and Custodial 186C. Extend a type B3 wall from top of existing CMU wall to structural decking above. Maintain smoke seal of the room.

Item 1-8: Sheet A1.21A – First Floor Reflected Ceiling Plan – Area ‘A’ (typ.)



EXISTING HANGING ACUSTIC PANEL DETAIL
 NOT TO SCALE
 FOR REFERENCE ONLY

ON THE REFLECTED CEILING PLANS, REFER TO GENERAL NOTE 9:
 CONTRACTOR SHALL REMOVE ALL EXISTING BAFFLES / VERTICAL ACOUSTICAL PANELS IN MAIN CORRIDORS. BAFFLES SHALL BE STORED AND PROTECTED FOR REINSTALLATION. CONTRACTOR SHALL FIELD VERIFY SIZE AND QUANTITY OF BAFFLES TO BE STORED PRIOR TO REMOVAL. VACUUM CLEAN PRIOR TO INSTALLATION.

IT IS INTENDED THAT THE CENTER GYP.BD. SOFFIT IS TO REMAIN IN PLACE DURING CONSTRUCTION. AT THE CONTRACTOR'S DISCRETION, THE GYP.BD. SOFFIT MAY BE REMOVED AND REINSTALLED / RECONSTRUCTED TO FACILITATE OTHER CONSTRUCTION ACTIVITIES.

Item 1-9: Sheet A1.21B – First Floor Reflected Ceiling Plan – Area ‘B’

Remove Plaster ceilings from Custodial 182C. Extend a type B3 wall from top of existing CMU wall to structural decking above. Maintain smoke seal of the room.

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Item 1-10: Sheet A1.21C – First Floor Reflected Ceiling Plan – Area ‘C’

Remove GPDW Ceiling from KILN 157B. Ceiling space shall be open to structure. All walls surrounding KILN 157B shall extend to and be sealed to the roof deck. Walls shall be finished entire height.

Item 1-11: Sheet A4.11 – Wall Sections

Refer to detail 7. Contractor shall provide an in-place mock-up of the louver infill. Contractor shall not continue with additional louver infills until the owner and architect review and approve the mock-up. Coordinate location of in-place mock-up with owner and architect.

Item 1-12: Sheet F0.00 – Room Finishes Schedule & Notes

Refer to Floor Finish for Mechanical 281M, Telecom 285D, Mechanical 285M, Mechanical 287M and Room Finish Schedule Remarks 3. Floor finish for these rooms shall be per specification section 07 14 16 – Cold Fluid-Applied Waterproofing. Provide an integral base up the face of the housekeeping pads to create a “bath tub” in the event of a leak.

Item 1-13: Sheet F1.11A – First Floor Finishes Plan – Area ‘A’ (typ.)

Refer to Boys 184B / Girls 184B and similar typical restroom grouping throughout the facility. The wall behind the existing wash basin is scheduled to be painted. Contractor shall remove existing toilet accessories (soap dispensers, paper towel dispensers) while painting and reinstall in their existing locations. Do not paint AROUND the accessories.

STRUCTURAL

Drawings

Item 1-14: Sheet S1.2 – Typical Details & Schedules

Refer to Non-Bearing Wall Typical Bracing detail, this detail is clarified by the attached Supplemental Drawing AD1-1. On the construction documents, there is a cut mark referring to detail 15/S1.2, this is what the cut mark is referring to. Non-bearing CMU walls shall extend to one course above ceiling line, provide wall type H3 from top of CMU to structural deck and seal as noted.

Item 1-15: Sheet S2.2 – Interior Footing Plans & Mezzanine Stair Plans

Question: Details 1 & 2 on sheet S2.2 show 6” cmu non-loadbearing walls. Does the cmu go down to the new footing, or does it sit on top of the slab? I could not find a cut section of these walls.

Response: The intent is that the CMU wall goes down to top of footing.

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MECHANICAL

Specification

Item 1-16: Sections 21 05 00, 22 05 00. 23 05 00 - Basic Fire Sprinkler, Plumbing and HVAC Requirements

Refer to paragraph 3.9.F Painting – Exposed piping and ductwork it so be painted to match structure. Painting to include but not limited to all piping and ductwork exposed in corridors above baffles and in areas where visible above ceiling clouds.

Item 1-17: Section 23 07 13 – Ductwork Insulation

Refer to Paragraph 3.3 Ductwork Insulation Schedule. Remove the row in schedule that reads: SA-Exposed/concealed round (in occupied areas). All SA ductwork shall be insulated. Only exposed round ductwork that is to be uninsulated is existing supply duct in gymnasium that is to remain.

Item 1-18: Section 23 31 13 - Ductwork

Refer to paragraph 3.1.U Modify last sentence to read: Support at each joint per SMACNA standards.

Drawings

Item 1-19: Sheet P1.11A – First Floor Piping Plan – Area A

Sheet has been resubmitted to show new routing of piping around existing ceiling to remain in Corridor 185. No new piping is to be routed above existing ceiling to remain.

Item 1-20: Sheet P1.11C – First Floor Piping Plan – Area C

Sheet has been resubmitted to show new routing of piping around existing ceiling to remain in Corridor 181. No new piping is to be routed above existing ceiling to remain.

**Item 1-21: Sheet PM1.02 – Enlarged Mechanical Room 185M
Sheet M2.01 – Mechanical Schematics**

Heat pump supply and heat pump return pipes to pump suction and discharge shall be 6” pipes in lieu of 4” as shown on plans.

Item 1-22: Sheet PM1.07 – Enlarged Mechanical Room 187M

Sheet has been resubmitted showing new layout for AHU-1 unit.

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Item 1-23: Sheet M4.01 – Mechanical Schedules

Sheet has been resubmitted showing the following changes.

Refer to Heat Pump Schedule Remarks: Remarks 3, 4, 5 and 6 shall state that gas reheat shall be modulating gas reheat.

Refer to Packaged Air Handling Unit Schedule: Schedule has been replaced showing Venmar unit in lieu of Annexair Unit. Annexair is not an approved manufacturer at this time.

Item 1-24: Sheet M4.02 – Mechanical Schedules

Refer to Pipe Kit Schedule – Ball in pipe kit ball valves are to be stainless steel to match specification section 23 21 16.

Item 1-25: Sheet M4.03 – Mechanical Schedules

Refer to Alternate M-1 Heat Pump Schedule Remarks. Remark 3, 4, 5 and 6 shall state that gas reheat shall be modulating gas reheat.

Item 1-26: Mechanical Equipment Prior Approvals

The following are to be added as approved manufacturers:
Variable Frequency Drives: Yaskawa

ELECTRICAL

Specification

Item 1-27: Section 26 05 19 – Conductors

Modify paragraph 3.12, modifying the first sentence and deleting the final sentence so that the paragraph reads as follows: “Provide dedicated neutral conductors for all branch circuits. Neutral conductors shall not be shared between circuits.”

Item 1-28: Section 26 51 00 – Lighting Fixtures

The following lighting fixtures have been reviewed in accordance with paragraph 2, and are included in the Contract Documents for bidding purposes. All fixtures, lamps, and ballasts are required to meet the specification requirements regardless of prior approval. Prior approval does not waive any requirements indicated on the drawings or the specifications. Some fluorescent fixtures require dimming or multiple levels of switching. The required number and types of ballasts shall be provided to meet the switching requirements shown on the drawings.

<u>Type</u>	<u>Manufacturer and Catalog Number</u>
A	Axis Lighting DIALED-24-B3-*6000-80-40-VL-W-UNV-D-1-TB15

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A1	Axis Lighting	DIALED-24-B3-4500-80-40-VL-W-UNV-D-1-TB15
B	Axis Lighting	DIALED-22-B3-4000-80-40-VL-W-UNV-D-1-TB15
B1	Axis Lighting	DIALED-22-B3-4000-80-40-VL-W-UNV-D-1-DF
B2	Axis Lighting	DIALED-22-B3-4400-80-40-VL-W-UNV-D-1-TB15
C	Portfolio	LD6A10D010TE-ERMA6A10840-6LM1H-HB26
D	Lumenwerx	VIA2WDI-HLO-ARO-LED-80-400-500-40-12-UNV-D-1-DMB-W
D1	Lumenwerx	VIA2WD-HLO-LED-80-500-40-12-UNV-D-1-DMB-W
F	Metalux	4SNLED-LD4-52SL-UNV-L840-CD1-U-(AYC-CHAIN/SET)
F1	Metalux	4SNLED-LD4-28SL-UNV-L840-CD1-U-(AYC-CHAIN/SET)
G	Metalux	14GR-LD4-24-F1-UNV-L840-CD1-U-(DF-14-W)
G1	Metalux	14GR-LD4-20-F1-UNV-L840-CD1-U-(DF-14-W)
K	Axis Lighting	BBRLED-B3-MF-750-80-40-FL-4-W-UNV-D-1-TB15
K6	Axis Lighting	BBRLED-B3-MF-750-80-40-FL-6-W-UNV-D-1-TB15
K8	Axis Lighting	BBRLED-B3-MF-750-80-40-FL-8-W-UNV-D-1-TB15
K12	Axis Lighting	BBRLED-B3-MF-750-80-40-FL-12-W-UNV-D-1-TB15
L	Lumenwerx	VIA5R-WRO-LED-80-750-40-4-UNV-D-1-DTR-W
N	Metalux	24GR-LD4-48-F1-UNV-L840-CD1-U
P6	Axis Lighting	BDLED-B3-MF-500-80-40-SO-6-W-UNV-D-1-CTS36
P20	Axis Lighting	BDLED-B3-MF-500-80-40-SO-20-W-UNV-D-1-CTS36
P24	Axis Lighting	BDLED-B3-MF-500-80-40-SO-24-W-UNV-D-1-CTS36
P26	Axis Lighting	BDLED-B3-MF-500-80-40-SO-26-W-UNV-D-1-CTS36
P28	Axis Lighting	BDLED-B3-MF-500-80-40-SO-28-W-UNV-D-1-CTS36
P30	Axis Lighting	BDLED-B3-MF-500-80-40-SO-30-W-UNV-D-1-CTS36
Q	Axis Lighting	BBRLED-B3-MF-400-80-40-FL-4-W-UNV-D-1-DF
Q8	Axis Lighting	BBRLED-B3-MF-400-80-40-FL-8-W-UNV-D-1-DF
T	Metalux	24GR-FA-LD4-56-F1-UNV-L840-CD1-U
U	SPI Lighting	EEW11920-L43.0WC-DML-120/277-4000K-BRK-PT01
V	Metalux	4SNLED-LD4-49SL-LN-UNV-L835-CD1-U
W	Metalux	22GR-LD4-28-F1-UNV-L840-CD1-U



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W1	Metalux	22GR-LD4-28-F1-UNV-L840-CD1-U-(DF-22-W)
Y	Fail-safe	FMR-N12-4-2LO-40-UNV-80-EDD1
CC	Lumenwerx	ALC-APO-LED-80-950-40-20'-UNV-D-1-COVH- W

Item 1-29: Section 26 51 02 - Non-Networked Lighting Controls

The following manufacturers are approved to bid the project as long as they meet the specified requirements: Hubbell Building Automation.

Drawings

Item 1-30: Sheet E0.01 – Electrical Site Utilities Plan:

Refer to attached reissued sheet E0.01 for revisions to this sheet.

Item 1-31: Sheet E1.11D - First Floor Lighting Plan – Area 'D':

Refer to attached reissued sheet E1.11D for lighting revisions in this area.

END OF ADDENDUM NO. 1



Meeting Agenda

Project:	LPS Humann Elementary Renovation
Project Number:	097-039-15
Meeting Date:	2/23/2016
Meeting Time:	4 PM
Meeting Location:	LPS Humann Elementary

Welcome

Introductions

LPS

Design Team (TCEP, SDG)

SCOPE OF NOTICE

Sealed proposals will be received by the Board of Education of Lancaster County School District at the Facilities and Maintenance Building, 800 South 24th Street, Lincoln, Nebraska 68510, up to the hour of **2:00 pm, local time, on the 3rd of March, 2016** for the furnishing of all labor, materials, equipment, and services for the Project, Bid No. 8365. Bids shall be addressed to the attention of Matt Bellamy, Director of Purchasing c/o the Purchasing Office at LPS, 800 So. 24th St. Lincoln, NE 68510. Bid Security will be required for this Bid.

At the above stated hour, the Owner will publicly open and read aloud the bids received.

The Work involves all Construction indicated on the drawings and specifications, included but not limited to the following: Construction of walls, floors, roofs, structural systems, mechanical systems, electrical systems, interior and exterior finishes and associated site work for the renovation of and additions to Humann Elementary School.

PROJECT SCHEDULE KEY DATES:

1. Pre-Bid Meeting (Mandatory for all General Contractors): February 23, 2016 at 4:00 p.m.
2. Bid Date: March 3, 2016 at 2:00 p.m.
3. Tentative LPS Board Approval: April 12, 2016.
4. Building Access: May 31, 2016.
5. Substantial Completion: June 30, 2017.

BIDDING

Drawings and Specifications

On the 8th of February, 2016, Construction Documents may be obtained by calling A & D Technical Supply, <http://www.adtechplans.com> (1822 N Street, Lincoln, NE 68508 Phone 402-474-5454, Fax 402-474-5779) (4320 South 89th Street, Omaha, NE Phone 402-592-4950, Fax 402-592-9302) upon receipt of a \$200.00 deposit, checks made payable to The Lincoln Public Schools. Deposits will be refunded if all documents are returned in good condition within 14 calendar days after the date of the bid opening. Plans will not be distributed electronically.



Meeting Agenda

An additional non-refundable check for \$50.00 will be required for documents to be mailed.

Construction Documents may be examined at:

- Lincoln Builders Bureau, 5910 South 58th Street, Ste. C; Lincoln, NE 68516
- F.W. Dodge Corporation, 11422 Miracle Hills Drive, Omaha, NE 68154
- Omaha Builders Exchange/Construction Update Plan Network, 4255 S. 94th Street, Omaha, NE 68127

ALL WORK SHALL BE FURNISHED IN STRICT ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS PREPARED BY THE OFFICES OF THE ARCHITECTS AND ENGINEERS. BIDS WILL BE RECEIVED ONLY UPON THE PRINTED PROPOSAL FORMS FURNISHED WITH THE SPECIFICATIONS.

SITE INSPECTION

Pre-Bid Conference

A pre-bid conference will be held at Humann Elementary School, 6720 Rockwood Lane, Lincoln, NE on February 23, 2016 at 4:00 p.m. local time. **The pre-bid meeting is mandatory for any general contractors wishing to bid.** Contractors and Subcontractors should check-in at the main office and staff will direct them.

BONDS

Each bid proposal must be accompanied by Bid Bond payable to Lincoln Public Schools in the amount of five percent (5%) of the base bid proposal submitted as a guarantee that, if awarded the contract, the bidder will promptly enter into a contract and execute such bonds as may be required. If bid security is not received with the Proposal, the Bid will not be considered.

The successful bidder to whom a contract is to be awarded shall provide a "Performance Bond" and "Labor and Materials Payment Bond," a double form of bond issued as a standard form of the American Institute of Architects. Bond shall be in the total amount of the contract.

TAXES

The Owner will issue the successful bidder with a Sales Tax Exemption certificate and purchasing Agent appointment for materials used on this project. **DO NOT INCLUDE SALES TAX IN YOUR BID.**

INSURANCE

Prior to the start of work, completed copies of the CERTIFICATE OF INSURANCE, AIA Document G705, shall be submitted to the Owner. See Section Supplementary General Conditions.

AWARD OF CONTRACT

The Owner reserves the right to waive informalities and to reject any or all bids.

No bidder may withdraw his bid within forty-five (45) days after the scheduled closing time to receive bids.



Meeting Agenda

Review of Proposal Form

Unit Prices

Alternates

*LPS AIA Document A201 – 2007 included in Volume 1

Alternates

Alternate L-1: Parking Lot Expansion: Submit an alternate cost to provide site demolition as identified on sheet L1.01, new sidewalks and expansion of the parking lot as identified on sheet L2.01, site grading as identified on sheet L3.01, and lighting modifications as identified on sheet E0.01.

Alternate A-1: Retaining Wall Replacement: Submit an alternate cost to replace the north screen wall per drawings in lieu of tuck-pointing and brick replacement as identified on sheet A2.12.

Alternate A-2: Interior Slab Replacement: In lieu of leveling the floor with hydraulic cement underlayment as identified on sheets A1.11C and A1.11D, submit an alternate cost to remove the existing concrete slab, rework the subgrade, and to provide a new 4" concrete slab on compacted granular fill, reinforce with 6x6-W2.1xW2.1 WWF on sand chairs. Provide Class A vapor barrier. (TO BE ISSUED AS PART OF ADDENDUM 1)

Alternate FS-1: Replace Domestic and Fire Water Service. Submit alternate price to leave existing domestic water and fire service in place. Alternate shall include replacing portion of each service from first interior pipe flange to a location approximately 5'-0" from exterior wall. Flange to be installed on exterior piping for future replacement of existing services.

Alternate M-1: Provide heat pumps as scheduled in Alternate M-1 Heat Pump Schedule located on Sheet M4.03 in lieu of two stage models listed on Sheet M4.01. Electrical contractors are to refer to Electrical Heat Pump Schedule for Alternate M-1 located on the electrical schedule sheet for electrical requirements of alternate heat pumps.

Liquidated Damages

None

Contingency Fund / Discovery Allowance

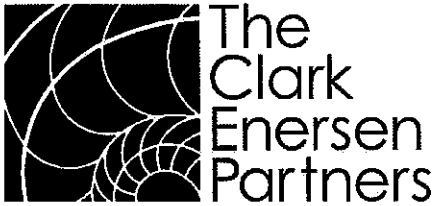
Discovery Allowance Fund: **\$100,000**

Addenda Schedule

Addendum #1 will be issued February 24, 2016 (end of day)

Addendum #2 (FINAL) will be issued February 26, 2016 (noon)

Questions / Answers

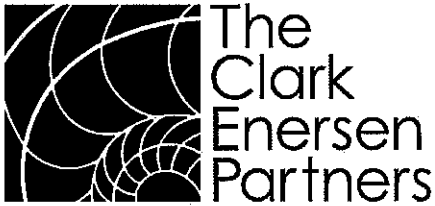


Meeting Attendance

Project: **LPS Humann Elementary Renovation**
 Project Number: 097-039-15
 Meeting Date: 2/23/2016
 Meeting Location: Humann Elementary

	Name:	Organization:	Phone:	Email Address:
<input checked="" type="checkbox"/>	TJ Schirmer	TCEP	402.477.9291	tj.schirmer@clarkenersen.com
<input checked="" type="checkbox"/>	Tim Ripp	TCEP	402.477.9291	tim.ripp@clarkenersen.com
<input checked="" type="checkbox"/>	Blake Thomas	TCEP	402.477.9291	blake.thomas@clarkenersen.com
<input checked="" type="checkbox"/>	Kate Hier	TCEP	402.477.9291	kate.hier@clarkenersen.com
<input checked="" type="checkbox"/>	Adam Kent	TCEP	402.477.9291	adam.kent@clarkenersen.com
<input type="checkbox"/>				
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<input type="checkbox"/>	Scott Wieskamp	LPS	402.436.1072	swieska@lps.org
<input type="checkbox"/>	Tim Loseke	LPS	402.436.1072	tloseke@lps.org
<input type="checkbox"/>	John Burbach	LPS	402.436.1072	jburbach@lps.org
<input checked="" type="checkbox"/>	Steve Degarmo	LPS	402.436.1072	sdegarmo@lps.org
<input type="checkbox"/>	Steve Swartz	LPS	402.436.1072	swartz@lps.org
<input checked="" type="checkbox"/>	Gordon Hardle	LPS	402.436.1072	ghardle@lps.org
<input type="checkbox"/>	Brian Tekolste	LPS	402.436.1072	btekolst@lps.org
<input type="checkbox"/>	Matt Bellamy	LPS		mbellam@lps.org
<input type="checkbox"/>	Gena Licata	LPS	402-436-1145	glicata@lps.org
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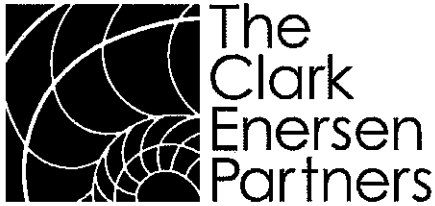


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Project: **LPS Humann Elementary Renovation**
 Project Number: 097-039-15
 Meeting Date: 2/23/2016
 Meeting Location: Humann Elementary

	Name:	Organization:	Phone:	Email Address:
<input type="checkbox"/>	Erin Wemhoff	Cornhucker T, Inc	476-2105	
<input type="checkbox"/>	Don Petri	Kidwell	473-7283	dpetri@kidwell.us.com
<input type="checkbox"/>	John Schuler	Nico Mechanical	477-6666	J.Schuler@Nico Mechanical Systems.com
<input type="checkbox"/>	Joe Gyhra	Falcon Htg. & AC	580-9509	JGyhra@falconheatingac.com
<input type="checkbox"/>	Laura Gyhra	" "	580-0987	LGyhra@ " "
<input type="checkbox"/>	ANDY SCHMIDT	sdg	438.7788	andy.schmidt@sdgstructural.com
<input type="checkbox"/>	Brian Grimes	Sampson	434-5419	brian.grimes@sampson-construction.com
<input type="checkbox"/>	Steven Bertram	Protex Central	306-6981	steven.bertram@protexcentral.net
<input type="checkbox"/>	BEN BOGNER	NGC GROUP	261-2994	bbogner@ngcgroupinc.com
<input type="checkbox"/>	MARK MCTAGGART	CCS	890 0958	mmctaggart@ccs-ne.com
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Meeting Attendance

Project: **LPS Humann Elementary Renovation**
 Project Number: 097-039-15
 Meeting Date: 2/23/2016
 Meeting Location: Humann Elementary

	Name:	Organization:	Phone:	Email Address:
<input type="checkbox"/>	Tim Donner	Cheever Constr.	477-0745	t.donner@cheeverconstruction.com
<input type="checkbox"/>	Phil Cook	Capital City Electric	420-7435	pcook@cce-ne.com
<input type="checkbox"/>	Andrew Montag	Hausmann Construction	402-992-2810	andrewm@hausmannconstruction.com
<input type="checkbox"/>	LARRY COTNER	LPS	402-436-1072	lcotner@lps.org
<input type="checkbox"/>	JOHN BURBACH	LPS	402-436-1072	JBURBACH@LPS.ORG
<input type="checkbox"/>	John Hyland	Hampton Const	(402)480-8858	jhyland@hampton1.com
<input type="checkbox"/>	DVANE MUNOT	HAMPTON CONST	489-8858	DMUNOT@HAMPTON1.COM
<input type="checkbox"/>	Carl Ewing	Hayes Mech	810-1402	c.ewing@hayesmechanical.com
<input type="checkbox"/>	Jack Dicks	DickCO	610-1390	jack@jackdicks.com
<input type="checkbox"/>	Matt Bellamy	LPS	436-1753	mbellam@lps.org
<input type="checkbox"/>	Brooke Bartek	LPS	402-802-3332	bbartek@lps.org
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TCEP Project No.: 097-039-15
LPS Bid No.: 8365

BID PROPOSAL FORM (Revised with Addendum 1)

PROPOSAL FOR CONTRACT FOR
LINCOLN PUBLIC SCHOOLS
HUMANN ELEMENTARY RENOVATION
LPS BID NO.: 8365
LINCOLN, NEBRASKA

Date: _____

Submitted To: Lincoln Public Schools

Submitted By: _____

Addendums Received: _____

This bid shall include all work associated with the renovation of and additions to Humann Elementary School as indicated on The Humann Elementary Renovation drawings (1 volume) and specifications (2 volumes).

The undersigned, having examined the plans, project manual and related documents, and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies to do the work in accordance with the Contract Documents and terms and condition described below:

Recognizing that time will be of the essence, the undersigned proposes, upon execution of the Agreement Between Owner and Contractor or upon receipt of notice to proceed from the Owner (whichever comes first), to immediately start the Work of the Contract. The undersigned proposes to bring the work to a state of Substantial Completion by June 30, 2017. **Note: Contractor will not have access to the building until May 31, 2016.**

PROJECT COORDINATION

Markup percentage for all changes in the work shall not exceed 10%. This shall include all overhead and profit associated with each change. See Section 01 26 00, "Contract Modification Procedures", for administrative and procedural requirements for handling and processing contract modification. See Section 01 21 00, "Allowances" for exceptions to this requirement.

BIDDER'S ACKNOWLEDGEMENTS

Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of OWNER.

TCEP Project No.: 097-039-15
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BIDDER'S REPRESENTATIONS

In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

- A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all of which is hereby acknowledged. Failure of any Bidder to receive any addenda or interpretation shall not relieve the Bidder from obligations specified in the bid. All addenda shall become part of the final contract document.
- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions, and (2) reports and drawings of a Hazardous Environmental Condition, if any, which has been identified in the Supplementary Conditions as provided in paragraph 4.06 of the General Conditions.
- E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.
- F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
- I. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

TCEP Project No.: 097-039-15
LPS Bid No.: 8365

BIDDER'S CERTIFICATION

Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

BASE BID: The undersigned proposes to perform the Work shown/described in the bidding documents, including all Allowances, for the sum of:

Dollars (\$ _____).

ALTERNATES

Alternate L-1: Parking Lot Expansion:

Dollars (\$ _____).

Alternate A-1: Retaining Wall Replacement:

Dollars (\$ _____).

Alternate A-2: Interior Slab Replacement:

Dollars (\$ _____).

Alternate FS-1: Replace Domestic and Fire Water Service:

Dollars (\$ _____).

Alternate M-1: Heat Pumps:

Dollars (\$ _____).

DEFINED TERMS

The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

TCEP Project No.: 097-039-15
LPS Bid No.: 8365

MISCELLANEOUS

Unemployment Compensation - The Contractor contracts and agrees to pay to the Unemployment Compensation Fund of the State of Nebraska all unemployment contributions and interest due, under the provisions of Section 48-601 to 48-669 R.S. Nebraska 1943 and amendments, upon wages paid to individuals employed in the performance of this contract. Upon completion of performance, the Contractor shall procure and submit to Owner a written clearance from the Commissioner of Labor certifying that all such payments have been made and notwithstanding any other provision of this contract, the final 3 percent of the amount of contract shall not be paid until such clearance has been so furnished.

Collusive Bidding - The Bidder's signature on this proposal is Bidder's guarantee that the prices quoted have been arrived at without collusion with other eligible Bidders and without effort to preclude the Owner from obtaining the lowest competitive price.

Laws and Regulations - The Bidder is directed that all applicable state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over any aspect of the herein described project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written in full. This shall include a requirement that the successful Bidder shall comply with the Nebraska Fair Labor Standards Act.

The Lincoln Public Schools is not bound to recommended bids until contracts have been signed by both the Owner representative and the representative for the vendor.

Equal Opportunity:

Lincoln Public Schools is an equal opportunity employer and actively recruits a well-qualified and diverse staff including minority applicants as well as Historically Underutilized Businesses (HUB), and does not discriminate against any employee or applicant for employment, and/or any contractor or subcontractor by reason of race, color, national origin, religion, marital status, sex, age, disability or sexual orientation. Bidder agrees, by signing this proposal, to actively continue and implement this policy throughout any awarded project or contract.

Exclusion of Persons with Criminal Records:

Lincoln Public Schools requires that firms agree to not assign any individual or agent to any work on an awarded project, requiring work on a LPS school site, with a criminal record of a serious nature as defined by LPS policy, regulations, practices or directives, including but not limited to any of the following:

- (a) a felony; (b) rape, including statutory rape, or any other sexual assault; (c) sexual conduct with a minor of any kind; (d) abuse of a minor or child of any kind; (e) endangerment of a child or debauching a minor; (f) public indecency; (g) prostitution, pandering, or keeping a place of prostitution; (h) assault or battery (i) kidnapping, false imprisonment or abduction; (j) child pornography; or (k) any offense in which a minor was a victim or a witness. Bidder agrees, by signing this proposal, to cooperate in obtaining any additional authorization or consent necessary to assure compliance with this requirement; to actively continue and implement this policy throughout any awarded project or contract period and to require implementation of this policy by any subcontractors and/or agents involved by the Bidder in the performance of any awarded project or contract.

In submitting this bid, it is understood that the Lincoln Public Schools reserves the right to waive any informality in any bid and to accept proposals in whole or in part.

Contact Matt Bellamy, Director of Purchasing, 402-436-1753, regarding any questions on this bid.

TCEP Project No.: 097-039-15
LPS Bid No.: 8365

BID SUBMITTAL

SUBMITTED on _____, 2016.

State Contractor License No. _____. (If applicable)

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____ (SEAL)
(Individual's signature)

Doing business as: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business Address: _____

Phone No.: _____ Fax No.: _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation:

Type (General Business, Professional, Service, Limited Liability):

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____ (CORPORATE SEAL)

Attest: _____
(Signature of Corporate Secretary)

TCEP Project No.: 097-039-15
LPS Bid No.: 8365

Business Address: _____

Phone No.: _____ Fax No.: _____

Date of Qualification to do business is _____

A Joint Venture

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

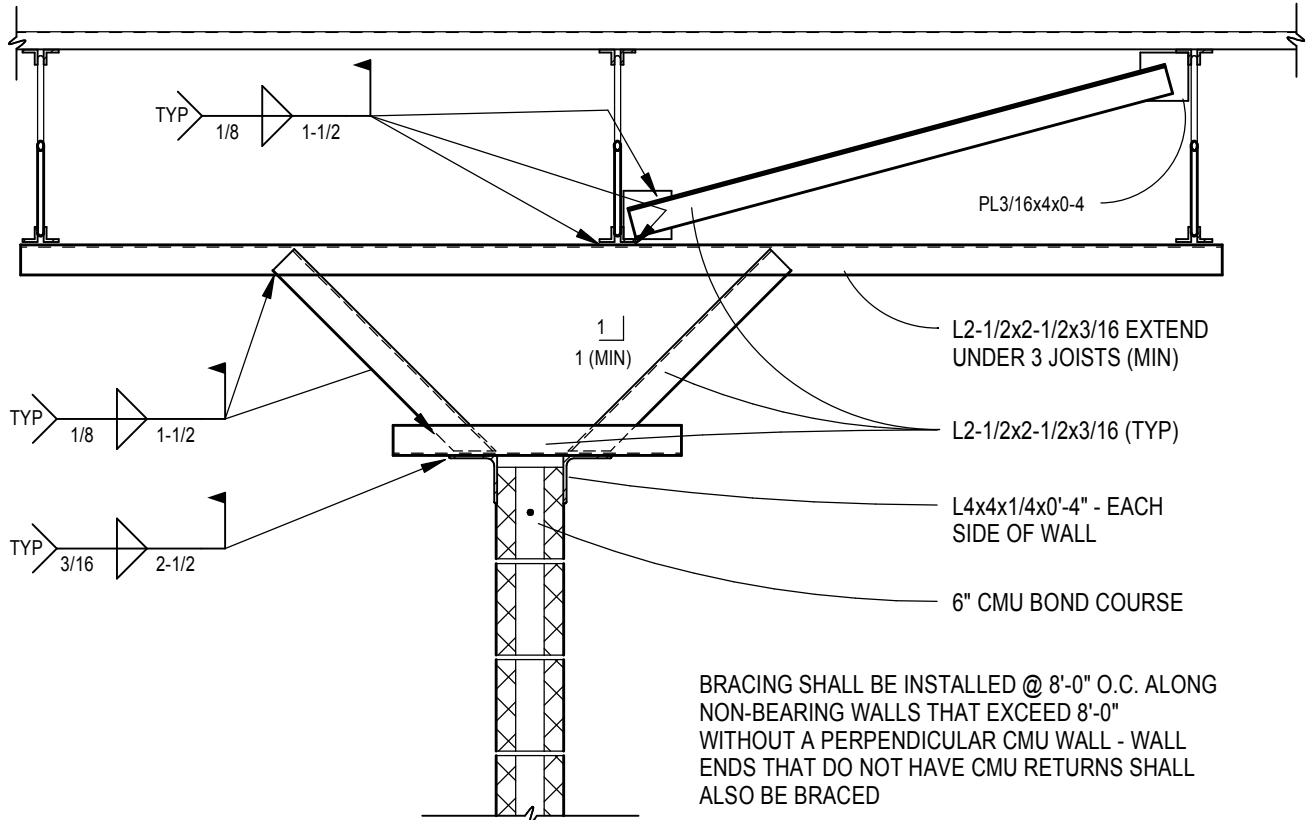
Phone and FAX Number, and Address for receipt of official communications:

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated **BIDDER'S ACKNOWLEDGEMENTS**)

Attachments:


1. Bid Security

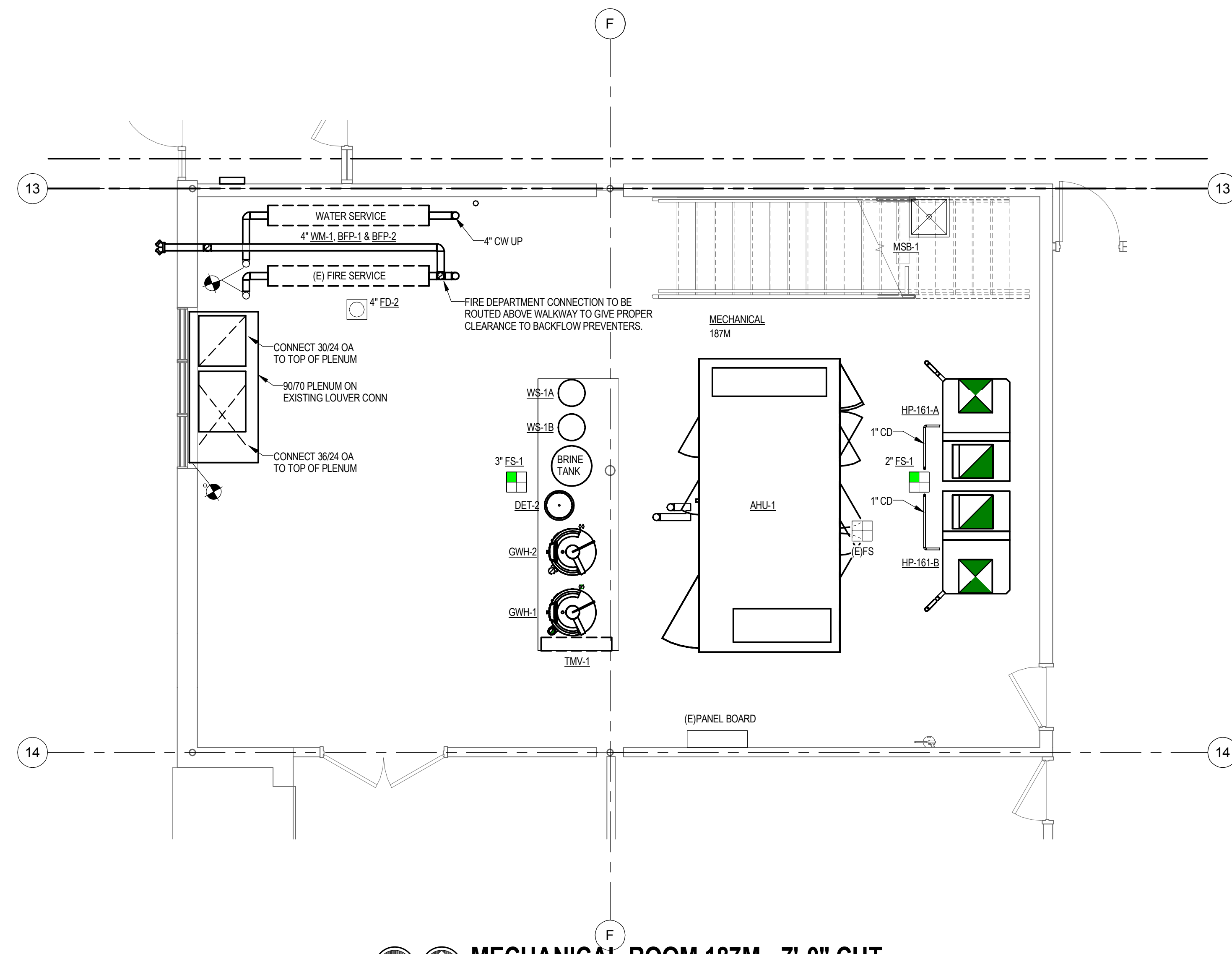
END OF SECTION



1	NON-BEARING WALL TYPICAL BRACING DETAIL
AD1-1	SCALE: 3/4" = 1'-0"

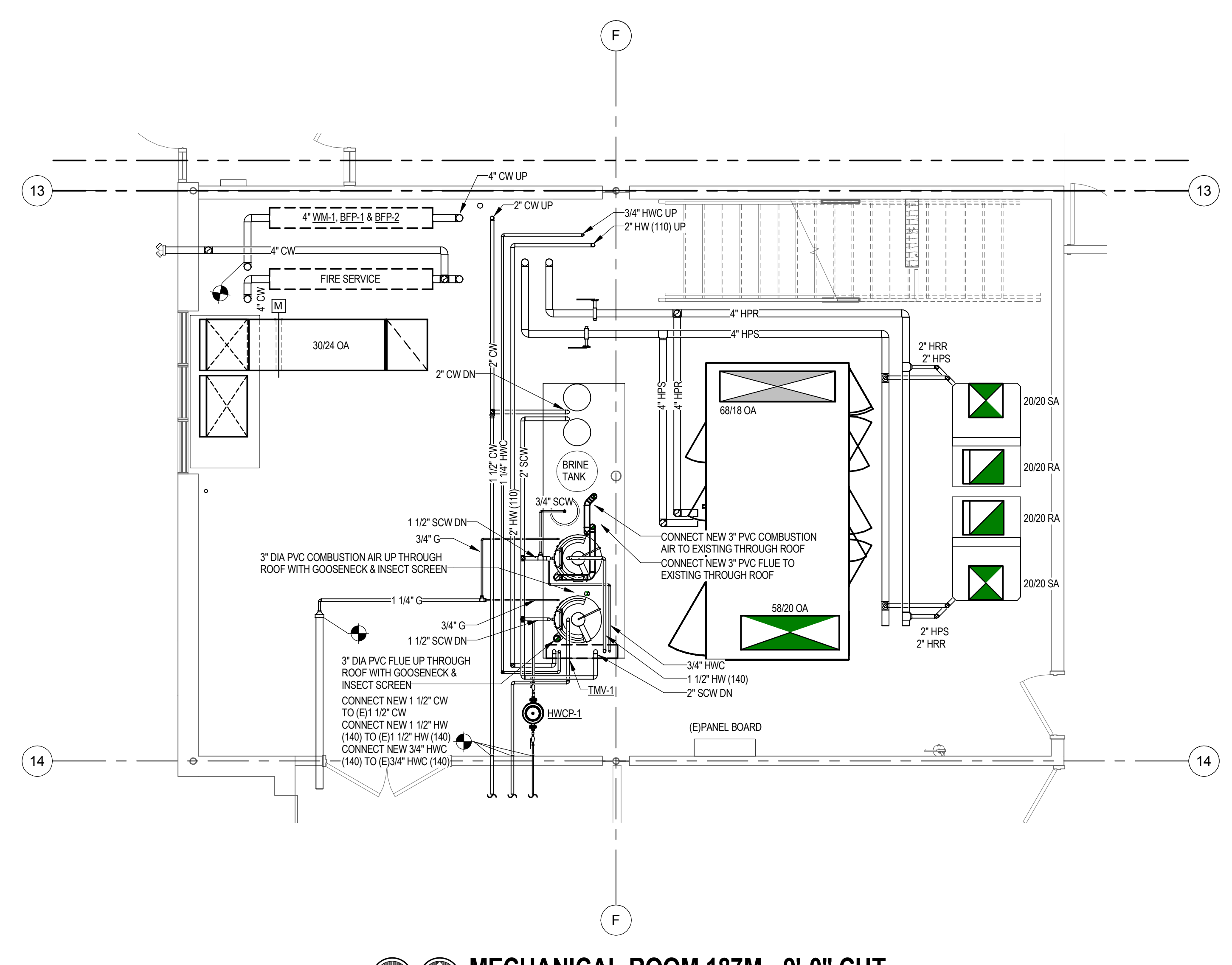
ON THE CONSTRUCTION DOCUMENTS, THERE IS A CUT MARK REFERRING TO DETAIL '15/S1.2'. THE ABOVE DETAIL IS WHAT THE CUT MARK IS REFERRING TO.

	structural[design]group, inc. 410 S 7th street lincoln, nebraska 68508 402-438-7788	LPS Humann Elementary Renovation	
	NON-BEARING WALL BRACING		AD1-1
Project number: S15-205		Drawn by: JTW	
Date: 02-24-16		Checked by: JTW	
		Scale 3/4" = 1'-0"	



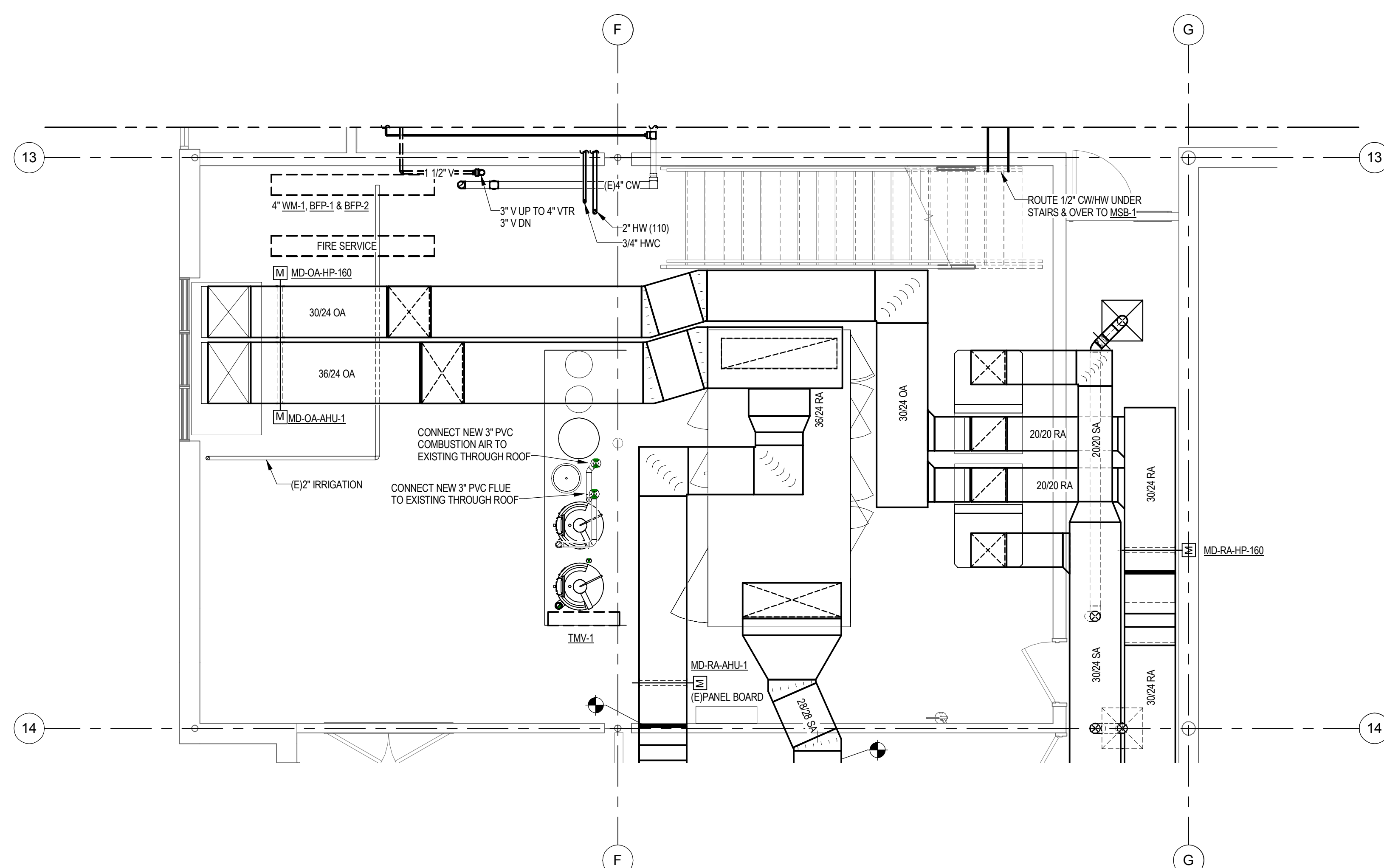
MECHANICAL ROOM 187M - 7'-0" CUT
 SCALE: 1/4" = 1'-0"

NOTE:
 MAINTAIN 4'-0" CLEAR AND 7'-6" HEADROOM IN WALKWAY OF ALL EQUIPMENT, PIPING, AND DUCTWORK. IF SPACE IS NOT OBTAINABLE, MECHANICAL CONTRACTOR IS TO NOTIFY GENERAL CONTRACTOR WHO SHALL NOTIFY ENGINEER AND LPS FACILITIES BEFORE INSTALLATION.



MECHANICAL ROOM 187M - 9'-0" CUT
 SCALE: 1/4" = 1'-0"

NOTE:
 MAINTAIN 4'-0" CLEAR AND 7'-6" HEADROOM IN WALKWAY OF ALL EQUIPMENT, PIPING, AND DUCTWORK. IF SPACE IS NOT OBTAINABLE, MECHANICAL CONTRACTOR IS TO NOTIFY GENERAL CONTRACTOR WHO SHALL NOTIFY ENGINEER AND LPS FACILITIES BEFORE INSTALLATION.



MECHANICAL ROOM 187M - 12'-0" CUT
 SCALE: 1/4" = 1'-0"

NOTE:
 MAINTAIN 4'-0" CLEAR AND 7'-6" HEADROOM IN WALKWAY OF ALL EQUIPMENT, PIPING, AND DUCTWORK. IF SPACE IS NOT OBTAINABLE, MECHANICAL CONTRACTOR IS TO NOTIFY GENERAL CONTRACTOR WHO SHALL NOTIFY ENGINEER AND LPS FACILITIES BEFORE INSTALLATION.

LPS Humann Elementary Renovation

6720 Rockwood Ln.
 Lincoln, NE 68516

TCEP No.: 097-039-15

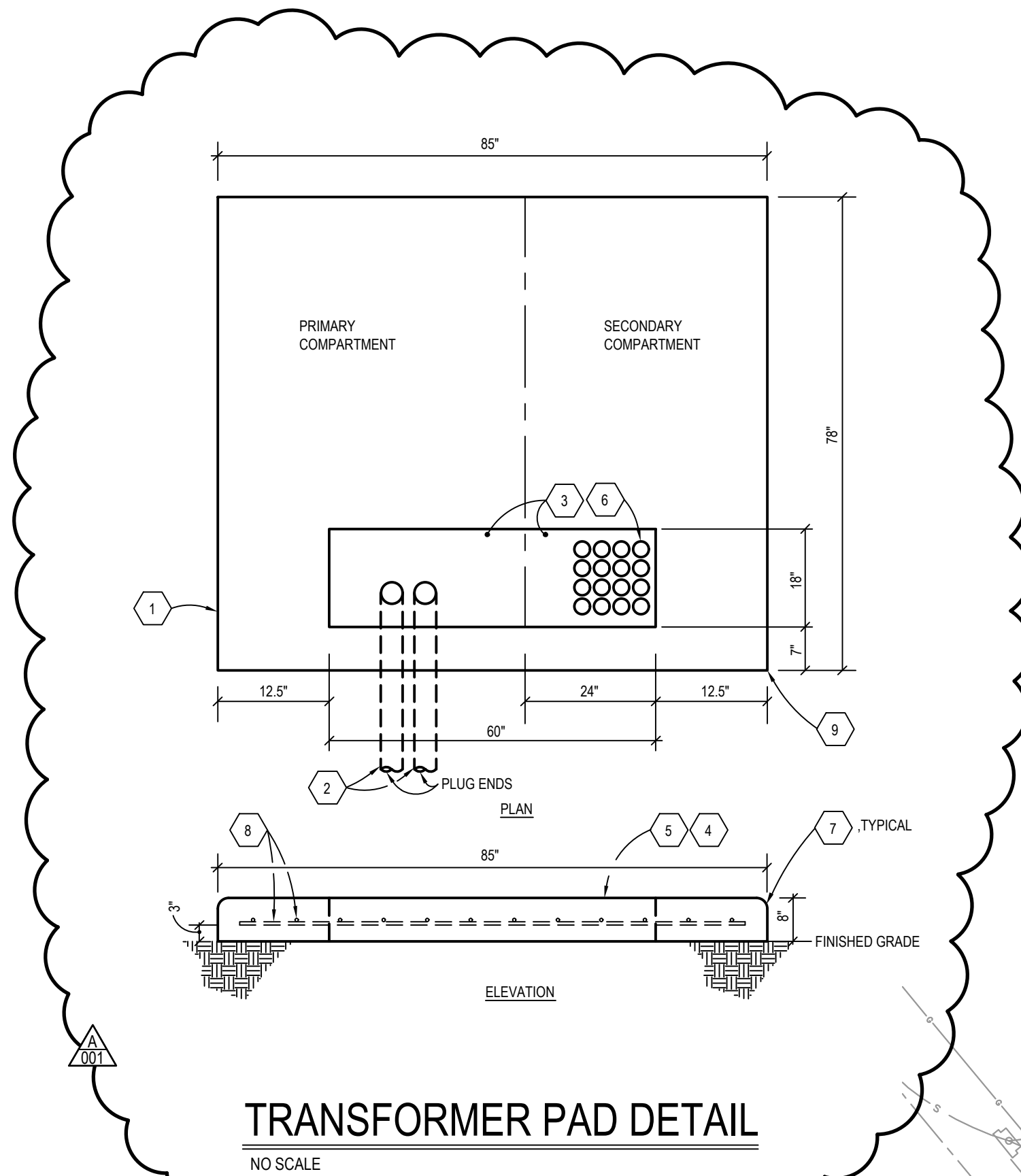
February 5, 2016

Enlarged Mechanical Room 187M

PM1.07

PACKAGED AIR HANDLING UNITS	
EQUIPMENT MAKE	ARI-1
UNIT SERIES	PACKAGED CONDITIONED OUTSIDE AIR SYSTEM
UNIT TYPE	DRASH THRU
DRASH THRU/BLOW THRU	CONSTANT VOLUME
REG ZONE/DUAL DUCT/LIT ZONE	
MANUFACTURER AND MODEL	VENMAR MODEL HP354
OR APPROVED EQUIVALENT	
UNIT COMPONENTS DIRECTION OF AIR FLOW	OA CONNECTION FILTERS ELECTRIC COIL DUAL MODE COIL HOT GAS REHEAT COIL SUPPLY FAN DUCTED DISCHARGE SA
ANGLED FILTER	2" PLEATED MERV 7 (20%) EFFICIENT
MEDIA TYPE	483
FACE VELOCITY (FPM)	0.2
AIR PRESSURE DROP (IN WG)	0.4
DRY ALLOWANCE AIR PRESSURE DROP (IN WG)	
REMARKS	AIR PRESSURE DROP FOR CLEAN FILTERS
COOLING	R-410A
MEDIUM	
AIRFLOW (CFM)	8300
SENSIBLE COOL CAPACITY (MBH)	366
TOTAL COOL CAPACITY (MBH)	521
ENTERING AIR (DB/WB)	87/74
LEAVING AIR (DB/WB)	54.5/44.5
WATER FLOW RATE (GPM)	85
ENTERING WATER TEMP. (DEG F)	58
LEAVING WATER TEMP. (DEG F)	58
HEATING	R-410A
MEDIUM	
AIRFLOW (CFM)	8300
TOTAL COOL CAPACITY (MBH)	477
ENTERING AIR (DB/WB)	26/19A
LEAVING AIR (DB/WB)	58
AIR PRESSURE DROP (IN WG)	-
WATER FLOW RATE (GPM)	85
ENTERING WATER TEMP. (DEG F)	45
LEAVING WATER TEMP. (DEG F)	38
HEATING	ELECTRIC COIL
MEDIUM	
AIRFLOW (CFM)	8300
TOTAL COOL CAPACITY (MBH)	221
ENTERING AIR (DB/WB)	-7
LEAVING AIR (DB/WB)	26
AIR PRESSURE DROP (IN WG)	0.1
ELECTRICAL (KW)	85 KW
CONTROLS	SCR
HOT GAS REHEAT COIL	R-410A
MEDIUM	
AIRFLOW (CFM)	8300
COIL CAPACITY (MBH)	280
DEHUMIDIFICATION ENTERING AIR (DB)	54.5
DEHUMIDIFICATION LEAVING AIR (DB)	77
FAN SECTION	VFD DIRECT DRIVE AIR FOL PLENUM
TYPE	
AIRFLOW (CFM)	8300
EXTERNAL STATIC PRESSURE (IN WG)	1.0
TOTAL STATIC PRESSURE (IN WG)	3.3
FAN BHP	6.74
MOTOR HP / RPM	75000
MOTOR VOLTAGE / PHASE / HERTZ	208 V / 3 / 60
WINDON ISOLATORS	INTERNAL SPRING - MINIMUM 11" DEFLECTION
FAN WHEEL NO. / BLADE TYPE	1 / FLENUM
SINGLE POINT ELECTRICAL DATA	208 V / 3 / 60
UNIT VOLTAGE / PHASE / HERTZ	338 / 346 / 480
UNIT FLA / MCA / MCOFD	
NOTES:	
1) ALL COIL PERFORMANCE DATA SUBMITTALS MUST BE COMPUTER GENERATED - NO EXCEPTIONS.	
2) PROVIDE 2" THICK URETHANE FSI INSULATION (MIN. R-13) DOUBLE WALL SOLID LINER. IF BASE RAIL ON F CONTINUOUS HOUSEKEEPING RAIL.	
3) PROVIDE FIXED PITCH FAN SHAFTS.	
4) PROVIDE HINGED, GASKETED DOUBLE WALL INSULATED ACCESS DOORS WITH VIEWING WINDOWS. AND LATCHING HANDLES IN THE FILTERS, RETURN, CHANGES COILS, ACCESS. AND FAN SECTIONS AS REQUIRED FOR ACCESS TO THE AHU+1 EQUIPMENT SERVICE AND MAINTENANCE.	
5) ENERGY EFFICIENT INVERTER DUTY MOTOR.	
6) INDOOR AND VENMAR ARE APPROVED MANUFACTURERS FOR AHU. MANUFACTURERS TO VERIFY UNITS FIT IN SPACE ALLOCATED FOR AHU PRIOR TO BIDDING.	
7) AIR HANDLING UNIT TO BE PROVIDED WITH ACCESSIBLE ACCESS SECTIONS FOR COMPRESSORS, FANS, CONTROLS AND VFDs.	
8) PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.	

HEATPUMP SCHEDULE																							
Mark	Model	Series	Design Air Flow	GPM	COA	Location	EDBWB	CLG. ENT	CLG. SENSIBLE MBH	CLG. TOTAL MBH	EBR	HTG. TOTAL MBH	HTG. EAT	HTG. EWT	COP	FLUID PRESSURE DROP	FAN ESP	FAN HP	FAN TYPE	VFD Hz	REFRIGERANT	Manufacturer	REMARKS
HP-161-A	GEVE120	MULTI-PURPOSE	3000 CFM	30 GPM	750		80E7	85	80.63	119.1	14.5	107.15	55	45	4.43	15.15	1	1.5	-	208V50	R410A	TRANE	1.2,4
HP-161-B	GEVE120	MULTI-PURPOSE	3000 CFM	30 GPM	750		80E7	85	80.63	119.1	14.5	107.15	55	45	4.43	15.15	1	1.5	-	208V50	R410A	TRANE	1.2,4
HP-100A	DWV0241	CONFERENCE 100A	836 CFM	6 GPM	120	MECHANICAL 100M	80E7	67	19.31	26.76	16.8	25.62	68	45	4.74	7.23	0.5	0.161	ECM	208V50	R410A	TRANE	1.2
HP-100B	DWV0241	OFFICE 100B	836 CFM	6 GPM	220	MECHANICAL 100M	80E7	67	19.31	26.76	16.8	25.62	68	45	4.74	7.23	0.5	0.161	ECM	208V50	R410A	TRANE	1.2
HP-100H	DWV0241	WORKROOM 100H	1672 CFM	7.5 GPM	375	MECHANICAL 100M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2
HP-100I	DWV0241	LOBBY 100I	836 CFM	6 GPM	300	MECHANICAL 100M	80E7	67	19.31	26.76	16.8	25.62	68	45	4.74	7.23	0.5	0.161	ECM	208V50	R410A	TRANE	1.2
HP-180J	DWV0443	LOBBY 180J	1672 CFM	7.5 GPM	200	MECHANICAL 180M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2
HP-180	DWV0443	RECEPTION 180	1672 CFM	7.5 GPM	250	MECHANICAL 180M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2
HP-ERU100M	DWV0443	ERU100M	1672 CFM	7.5 GPM	1485	MECHANICAL 100M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2,3
HP-101	DWV0381	CLASSROOM 101	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-103	DWV0381	CLASSROOM 103	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-104	DWV0603	TEACHER PLANNING 104	1900 CFM	10 GPM	270	MECHANICAL 181M	80E7	85	41.03	59.62	14.2	62.78	68	45	4.24	3.99	0.5	0.77	ECM	208V50	R410A	TRANE	1.2
HP-105	DWV0381	CLASSROOM 105	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-107	DWV0381	CLASSROOM 107	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-ERU181M	DWV0443	ERU181M	1672 CFM	7.5 GPM	1670	MECHANICAL 181M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2,3
HP-108	DWV0381	CLASSROOM 108	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-110	DWV0381	CLASSROOM 110	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-111	DWV0603	TEACHER PLANNING 111	1900 CFM	10 GPM	270	MECHANICAL 181M	80E7	85	41.03	59.62	14.2	62.78	68	45	4.24	3.99	0.5	0.77	ECM	208V50	R410A	TRANE	1.2
HP-112	DWV0381	CLASSROOM 112	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-114	DWV0381	CLASSROOM 114	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-ERU182M	DWV0443	ERU182M	1672 CFM	7.5 GPM	1670	MECHANICAL 182M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2,3
HP-115	DWV0381	CLASSROOM 115	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-117	DWV0381	CLASSROOM 117	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-118	DWV0603	TEACHER PLANNING 118	1900 CFM	10 GPM	270	MECHANICAL 181M	80E7	85	41.03	59.62	14.2	62.78	68	45	4.24	3.99	0.5	0.77	ECM	208V50	R410A	TRANE	1.2
HP-119	DWV0381	CLASSROOM 119	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-121	DWV0381	CLASSROOM 121	1026 CFM	7.5 GPM	350	MECHANICAL 181M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-ERU183M	DWV0443	ERU183M	1672 CFM	7.5 GPM	1670	MECHANICAL 183M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2,3
HP-122	DWV0381	CLASSROOM 122	1026 CFM	7.5 GPM	350	MECHANICAL 184M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-124	DWV0381	CLASSROOM 124	1026 CFM	7.5 GPM	350	MECHANICAL 184M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-125	DWV0603	TEACHER PLANNING 125	1900 CFM	10 GPM	270	MECHANICAL 184M	80E7	85	41.03	59.62	14.2	62.78	68	45	4.24	3.99	0.5	0.77	ECM	208V50	R410A	TRANE	1.2
HP-126	DWV0381	CLASSROOM 126	1026 CFM	7.5 GPM	350	MECHANICAL 184M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-128	DWV0381	CLASSROOM 128	1026 CFM	7.5 GPM	350	MECHANICAL 184M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-ERU184M	DWV0443	ERU184M	1672 CFM	7.5 GPM	1670	MECHANICAL 184M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V50	R410A	TRANE	1.2,3
HP-129	DWV0381	CLASSROOM 129	1026 CFM	7.5 GPM	350	MECHANICAL 185M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-131	DWV0381	CLASSROOM 131	1026 CFM	7.5 GPM	350	MECHANICAL 185M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-132	DWV0603	TEACHER PLANNING 132	1900 CFM	10 GPM	270	MECHANICAL 185M	80E7	85	41.03	59.62	14.2	62.78	68	45	4.24	3.99	0.5	0.77	ECM	208V50	R410A	TRANE	1.2
HP-133	DWV0381	CLASSROOM 133	1026 CFM	7.5 GPM	350	MECHANICAL 185M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-136	DWV0381	CLASSROOM 136	1026 CFM	7.5 GPM	350	MECHANICAL 185M	80E7	85	25.63	37.62	15.7	37.35	68	45	4.24	4.99	0.5	0.29	ECM	208V50	R410A	TRANE	1.2
HP-ERU185M	DWV0443	ERU185M	1672 CFM	7.5 GPM	1670	MECHANICAL 185M	80E7	85	35.76	49.29	14.7	47.95	68	45	4.46	3.99	0.5	0.54	ECM	208V5			

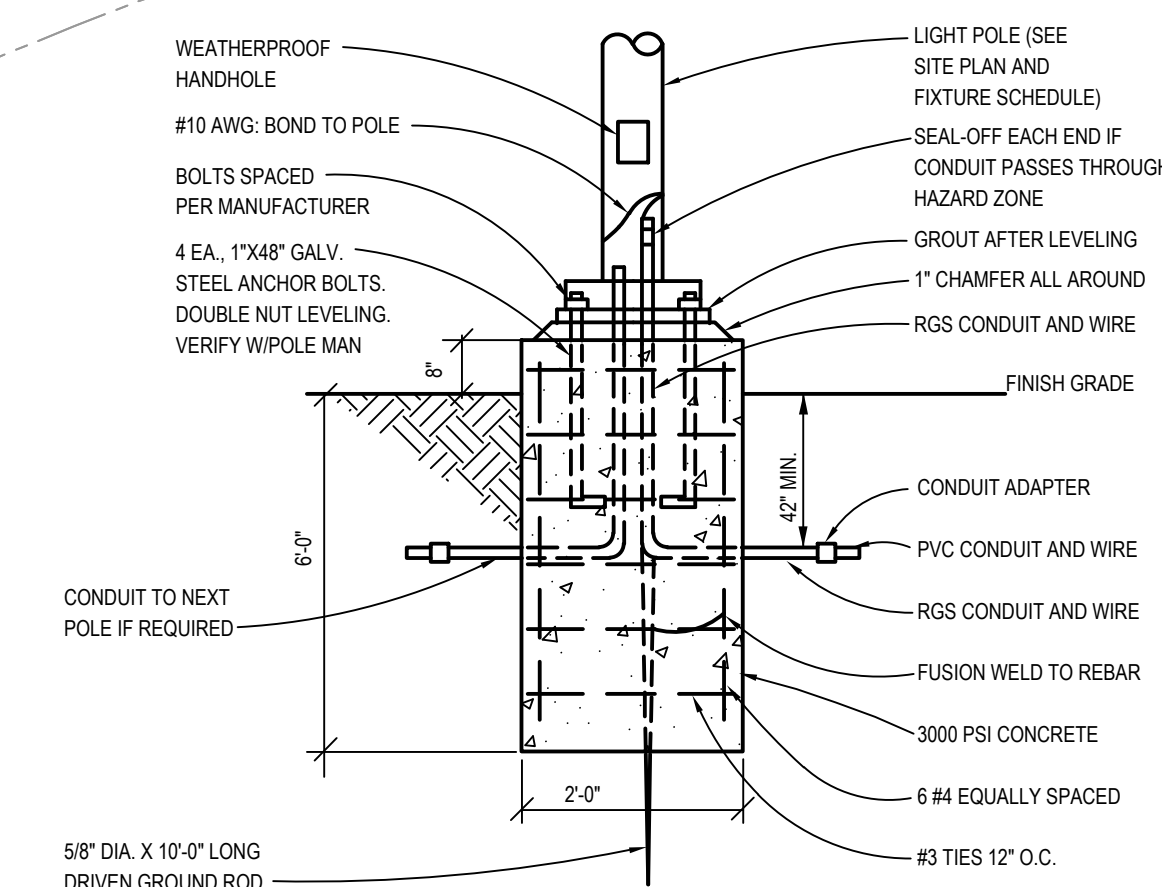


TRANSFORMER PAD DETAIL
 NO SCALE

TRANSFORMER PAD DETAIL NOTES	
KEY NOTE	DESCRIPTION
1	SEE THE SITE ELECTRICAL UTILITIES PLAN FOR ADDITIONAL INFORMATION. MINIMUM COMPACTION UNDER PAD SHALL BE 80% OF MAXIMUM DENSITY OF THE MATERIAL AS DETERMINED BY ASTM STANDARD METHOD D698-78. FROZEN BACKFILL SHALL NOT BE USED. MINIMUM OF 3000 PSI, 28 DAY TEST CONCRETE.
2	TWO 4" SCHEDULE 40 PVC 90° ELBOWS (48" RADIUS) SHALL BE STUBBED OUT FROM THE PRIMARY COMPARTMENT AT A DEPTH OF 4'-0". LES WILL PROVIDE THE 90° ELBOWS, AND PLUGS. (ELBOW SAP MATERIAL 3710 PLUG SAP MATERIAL 9646, TO BE PICKED UP AT LES STOREROOM, 27TH AND FAIRFIELD ST.) STUB CONDUITS OUT OF TRANSFORMER PAD. COORDINATE EXACT DIRECTION WITH LES.
3	LEAVE THIS AREA OPEN FOR CABLE ENTRANCE.
4	FINISH GRADE TO SLOPE AWAY FROM TRANSFORMER PAD.
5	TOP OF FOUNDATION TO BE SMOOTH, LEVEL AND CLEARED OF ALL FRAMING MATERIAL AFTER CONCRETE HARDENS.
6	SECONDARY CONDUITS, STUB 1" ABOVE PAD. SEE THE SITE ELECTRICAL UTILITIES PLAN AND ONE LINE DIAGRAM FOR EXACT NUMBER OF CONDUITS AND ADDITIONAL INFORMATION.
7	PROVIDE 1/4" BEVEL ON ALL EXPOSED EDGES.
8	#5 REBAR REINFORCING RODS 8" ON CENTER.
9	FRONT FACE OF TRANSFORMER PAD. SEE THE SITE ELECTRICAL UTILITIES PLAN FOR ADDITIONAL INFORMATION. DIAGRAM FOR EXACT NUMBER OF CONDUITS AND ADDITIONAL INFORMATION.

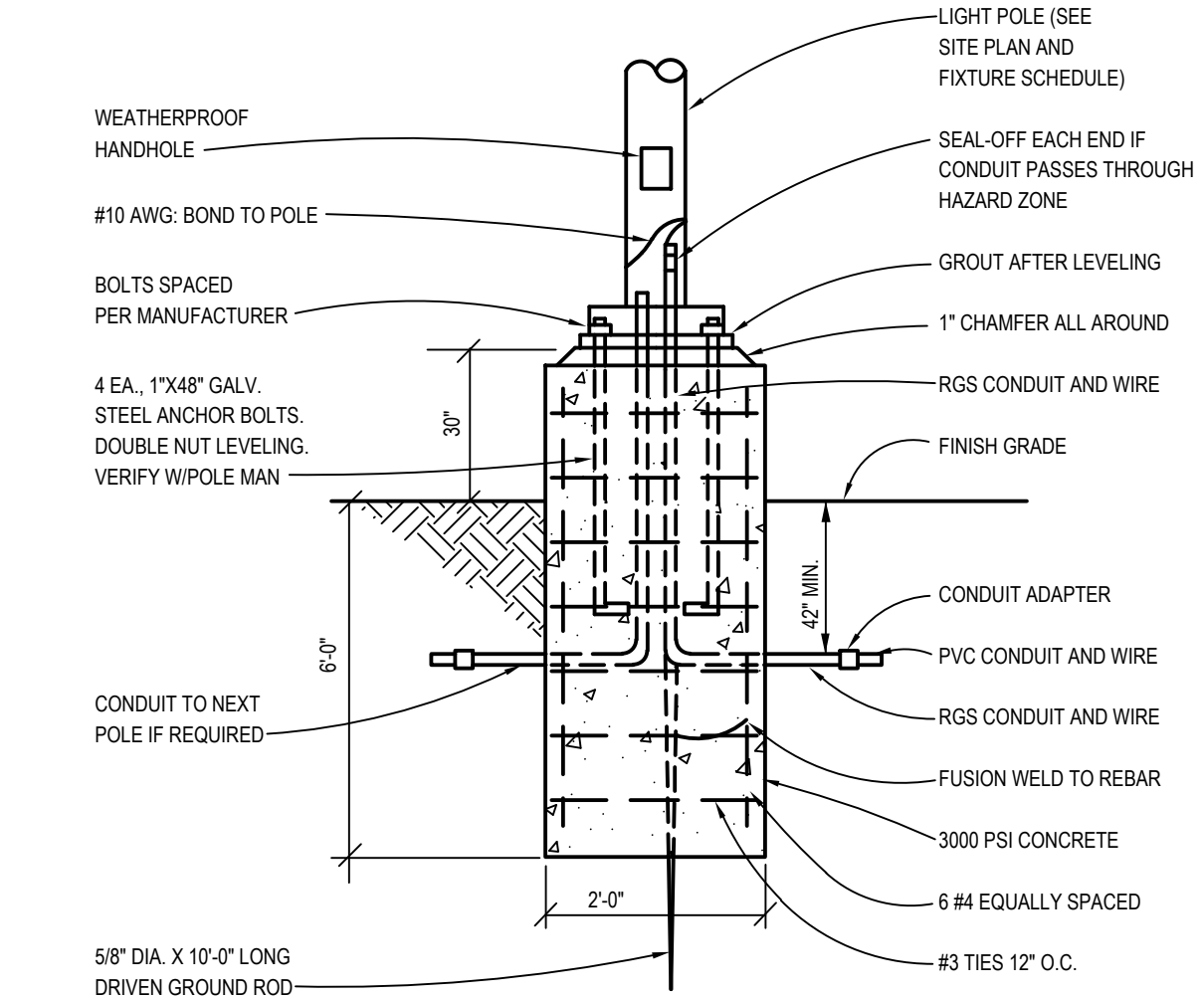
ELECTRICAL SITE UTILITIES PLAN NOTES	
KEY NOTE	DESCRIPTION
1	NEW POLE FIXTURE AND BASE TO REPLACE EXISTING POLE AND BASE. EXISTING POLE AND BASE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. SEE THE ASSOCIATED LIGHT FIXTURE TYPE POLE BASE DETAIL AND THE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
2	CONTRACTOR SHALL UTILIZE THE EXISTING CONDUIT ROUTED BACK INTO THE BUILDING AND THEN FEED THE CIRCUIT FROM THE PANEL INDICATED. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NECESSARY.
3	THIS FIXTURE HEAD SHALL BE BID AS PART OF ALTERNATE L-1 AND ONLY PROVIDED IF ALTERNATE L-1 IS ACCEPTED BY THE OWNER. THE POLE WILL BE EQUIPPED FOR TWO FIXTURE HEADS WHETHER OR NOT ALTERNATE L-1 IS ACCEPTED.
4	THE EXISTING SIX BOLLARD LIGHT FIXTURES SHALL BE REMOVED. THE EXISTING CONDUIT CAN BE ABANDONED IN PLACE WHERE BELOW GRADE, BUT ALL WIRING SHALL BE REMOVED.
5	NEW POLE FIXTURE AND BASE TO BE INSTALLED OVER EXISTING BOLLARD LIGHT LOCATION. CONTRACTOR SHALL THEN UTILIZE THE EXISTING CONDUIT ROUTED BACK INTO THE BUILDING AND THEN FEED THE CIRCUIT FROM THE PANEL INDICATED. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NECESSARY.
6	EXISTING UTILITY COMPANY TRANSFORMER TO BE USED FOR GENERAL SERVICE. COORDINATE ALL DETAILS WITH LES AND PROVIDE ALL MATERIALS AND LABOR AS REQUIRED FOR NEW SERVICES. SEE THE ONE LINE DIAGRAM AND TRANSFORMER PAD DETAIL FOR ADDITIONAL INFORMATION.
7	UTILITY METER. COORDINATE REQUIREMENTS WITH LES. SEE THE ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
8	LOCATION OF EXISTING POST INDICATOR VALVE. REPLACE FIRE ALARM CONNECTIONS IF ALTERNATE FS-1 IS ACCEPTED BY THE OWNER. PIV WILL BE RELOCATED TO LOCATION INDICATED BY PLAN NOTE NUMBER 9 IF ALTERNATE FS-1 IS NOT ACCEPTED BY THE OWNER.
9	CONDUIT ADAPTER. COORDINATE WITH POLE MANUFACTURER.
10	ROUTE #10 CONDUCTORS THROUGHOUT THE CIRCUIT.
11	HEATING SERVICE PAD MOUNTED TRANSFORMER. COORDINATE ALL DETAILS WITH LES AND PROVIDE ALL MATERIALS AND LABOR AS REQUIRED FOR NEW SERVICES. SEE THE ONE LINE DIAGRAM AND TRANSFORMER PAD DETAIL FOR ADDITIONAL INFORMATION. IF BID ALTERNATE M-1 IS ACCEPTED BY THE OWNER, THE REQUIRED PAD SIZE WILL CHANGE. COORDINATE SIZE WITH LES.

ELECTRICAL SITE UTILITIES PLAN
 SCALE: 1"=40'-0"



LIGHT FIXTURE TYPE 'BB' POLE BASE DETAIL
 NO SCALE

POLE BASE DETAIL NOTES:
 1. FULLY COORDINATE INSTALLATION DETAILS WITH POLE MANUFACTURER.



LIGHT FIXTURE TYPE 'Z' & 'Z1' POLE BASE DETAIL
 NO SCALE

POLE BASE DETAIL NOTES:
 1. FULLY COORDINATE INSTALLATION DETAILS WITH POLE MANUFACTURER.

LPS Humann Elementary Renovation

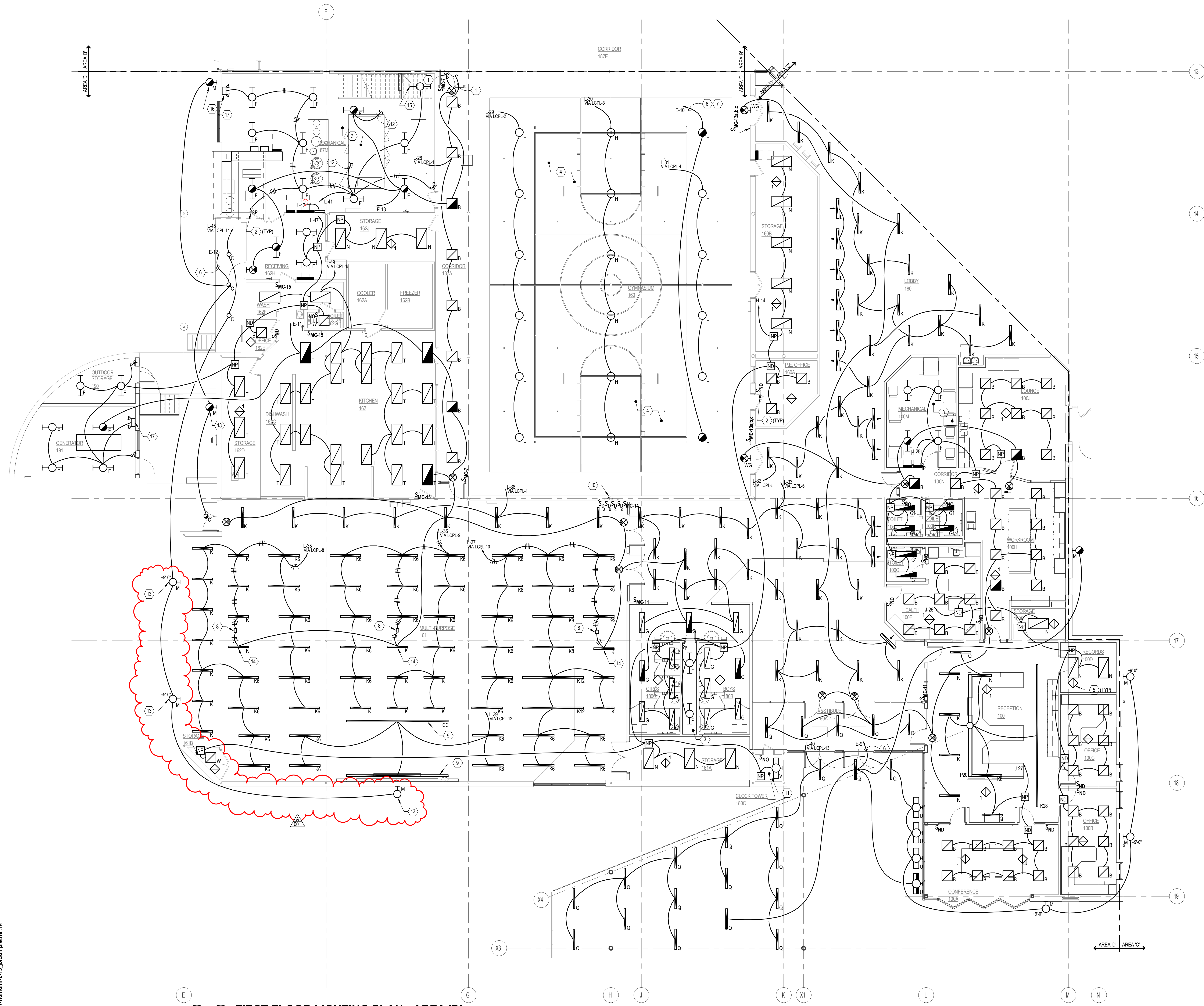
6720 Rockwood Ln.
 Lincoln, NE 68516

TCEP No.: 097-039-15

February 5, 2016

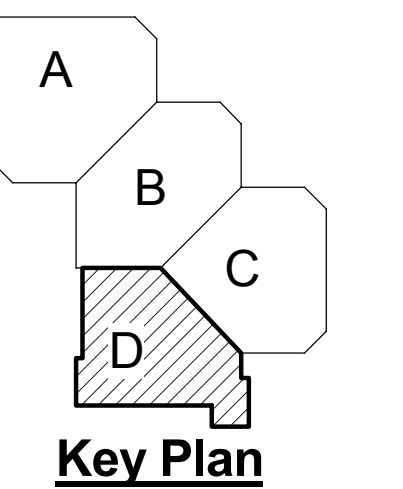
Electrical Site
 Utilities Plan

E0.01



FIRST FLOOR LIGHTING PLAN - AREA 'D' NOTES

KEY NOTE	DESCRIPTION
1	SEE THE FIRST FLOOR LIGHTING PLAN - AREA 'B' FOR CONTINUATION OF CIRCUIT.
2	CONTRACTOR MAY REUSE EXISTING BACKBOX AND CONDUIT FOR NEW LIGHT SWITCH IF NEW SWITCH IS LOCATED IN THE SAME LOCATION AS THE EXISTING SWITCH. TYPICAL OF ALL NEW LIGHT SWITCHES.
3	COORDINATE LIGHTING LAYOUT AND FIXTURE MOUNTING HEIGHT WITH THE MECHANICAL CONTRACTOR.
4	ALL NEW CONDUIT ROUTED IN THE GYM SHALL BE PAINTED TO MATCH THE ROOF DECKING.
5	NIGHT LIGHTING CONTROL DEVICE. SEE THE NIGHT LIGHTING CONTROL DIAGRAM AND THE LIGHTING CONTROL DEVICE SCHEDULE FOR ADDITIONAL INFORMATION.
6	ROUTE THE LIGHTING CIRCUIT THROUGH A BODINE G1020A RELAY, LOCATED IN MECHANICAL ROOM 167M POWERED BY THE NORMAL CIRCUIT INDICATED (OR NORMAL CIRCUIT THAT CONTROLS SIMILAR LIGHTING IN THAT AREA AND THE LIFE SAFETY CIRCUIT INDICATED. SEE THE BODINE RELAY WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
7	UNDER NORMAL CONDITIONS, THIS CIRCUIT SHALL BE CONTROLLED VIA CIRCUIT L-31 AND LCPL-4.
8	BODINE GTD EMERGENCY LIGHTING RELAY CONTROL DEVICE CONNECTED SO THAT POWER TO THE EMERGENCY LIGHT FIXTURE IS SWITCHED TO EMERGENCY POWER UPON LOSS OF NORMAL POWER. MOUNT ABOVE ACCESSIBLE CEILING IN THE ROOM INDICATED. SEE THE GTD RELAY WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
9	COVE LIGHT FIXTURE MOUNTED IN ARCHITECTURAL COVE. SEE THE ARCHITECTURAL COVE DETAIL FOR ADDITIONAL INFORMATION. AIM FIXTURES TO UPLIGHT THE SLOPED DRYWALL CEILING. ENSURE ALL COVE FIXTURES ARE ANGLED AT THE SAME ANGLE.
10	FOUR BUTTON, BUTTON LOW VOLTAGESWITCH TO CONTROL DIMMED MULTIPURPOSE LIGHTS. THE FOUR BUTTONS SHALL BE PROGRAMMED AND LABELED TO BE 'ON/OFF/FRASE/LOWER'. SEE THE LIGHTING CONTROL PANEL SCHEDULES FOR ADDITIONAL INFORMATION. TYPICAL OF 4.
11	CONTRACTOR SHALL MOUNT NEW LIGHT SWITCH AND LIGHT FIXTURE WHERE EXISTING SWITCH AND LIGHT FIXTURE WAS ORIGINALLY, REUSING EXISTING CONDUIT AND BACKBOXES.
12	SEE THE MEZZANINE LIGHTING PLAN - AREA 'B' FOR CONTINUATION OF CIRCUIT.
13	LIGHT FIXTURE WALL MOUNTED ON EXISTING WALL. CONTRACTOR TO CUT AND PATCH WALL AS NECESSARY TO INSTALL NEW BOX AND CONDUIT TO WALL MOUNTED LIGHT FIXTURE. SEE THE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
14	EMERGENCY LIGHT FIXTURE BEING CONTROLLED VIA THE BODINE RELAY. SEE PLAN NOTE NUMBER 9 FOR ADDITIONAL INFORMATION.
15	MOUNT FIXTURE UNDER STAIR AS HIGH AS POSSIBLE AT THE LOCATION INDICATED.
16	MOUNT LIGHT FIXTURE OVER EXISTING FIXTURE BACKBOX.
17	CONNECT EMERGENCY WALL PACK TO THE UNSWITCHED HOT CONDUCTOR OF THE CIRCUIT INDICATED.



LIGHTING CONTROL DEVICE SCHEDULE

SN	ON/OFF PUSHBUTTON, NIGHT CATALOG NUMBER: NP0DM GY
SNDO	ON/OFF PUSHBUTTON W/ RAISE/LOWER OPTION, NIGHT CATALOG NUMBER: NP0DM DX GY
SNDD2	TWO CHANNEL ON/OFF PUSHBUTTON W/ RAISE/LOWER OPTION, NIGHT CATALOG NUMBER: NP0DM 2P DX GY
SNO	WALL MOUNT OCCUPANCY SENSOR, NIGHT CATALOG NUMBER: NWSX POT GY
SMC	MOMENTARY CONTACT SWITCH (SEE THE LIGHTING CONTROL SYSTEM SPECIFICATION FOR ADDITIONAL INFORMATION.)
◇	CEILING MOUNT 360°, STANDARD RANGE OCCUPANCY SENSOR, NIGHT CATALOG NUMBER: NCM POT 9
◇	CEILING MOUNT 360°, EXTENDED RANGE OCCUPANCY SENSOR, NIGHT CATALOG NUMBER: NCM POT 18
NPI	120/277VAC POWER PACK, NIGHT CATALOG NUMBER: NPP16
NB	120/277VAC POWER PACK, NIGHT CATALOG NUMBER: NPP16 KIT (INCLUDES NO D.D. 3/100C DIMMING OUTPUT DEVICE)
NEI	EMERGENCY RELAY, NIGHT CATALOG NUMBER: NPP16 D ER

- GENERAL NOTES:**
- NIGHT CONTROLS ARE THE BASIS OF SPECIFICATION. OTHER MANUFACTURERS MAY BE APPROVED PRIOR TO BID. SEE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - WHERE NIGHT POWER PACKS/RELAYS ARE INDICATED IN AREAS WITH HARD CEILINGS, POWER PACKS/RELAYS SHALL BE LOCATED IN THE NEAREST ACCESSIBLE CEILING SPACE.
 - IN ROOMS WITH LOCAL WALL CONTROLS, SENSORS SHALL BE VACUANCY SENSORS SO THAT UPON ENTERING THE ROOM, THE WALL CONTROLS MUST BE ACTIVATED BEFORE THE LIGHTS WILL TURN ON, AND UPON EXITING THE LIGHTS WILL TIME OFF.

(SEE THE ELECTRICAL ORIENTATION AND ENLARGED ELECTRICAL ROOM PLANS FOR ELECTRICAL EQUIPMENT INFORMATION)

FIRST FLOOR LIGHTING PLAN - AREA 'D'
 SCALE: 1/8" = 1'-0"
 TRUE NORTH PLAN NORTH