JENSEN•HAYES•SHROPSHIRE
ARCHITECTS, P.A.

September 4, 2019

ADDENDUM NO. ONE (1)

PROJECT: DPW 19-238
Idaho State University
Family Medicine ADA Elevator
Pocatello, Idaho

To: **All Bidders**

This addendum forms a part of the contract documents and modifies the original bidding documents as noted below. Except as affected by data included herein, all other parts of the contract documents shall remain in full force and effect. It shall be the sole responsibility of the bidder to appropriately disseminate this data to all concerned prior to the bid time and date. Acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

This addendum consists of 2 pages and 5 page attachment for a total of 7 pages.

GENERAL ITEMS:

Item G1 Pre-bid Conference attendance list attached.

Item G2 Contractor shall provide temporary dust/sound/insulated enclosure walls at exterior wall areas opened up by demolition.

Item G3 Any heat and cover due to winter conditions shall be included in bid proposal as there will not be any allowance for winter weather conditions.

Item G4 In lieu of Contractor provided heat and cover, a Contractor Option will be permitted with written request and a written or graphic "shutdown plan" which ensures full weather, dust, and sound protection. The plan shall include protection of exposed construction. Upon approval of Contractor Option, a no-cost time extension will be issued by Change Order.

Item G5 Elevator pit ladder side rails shall extend 48” above the lowest floor level adjacent to the pit.

Item G6 Contractor shall be aware and coordinate excavations with helical pier installation. Excavations in the area of the angle of repose where piers are indicated shall have helical piers installed prior to deeper excavations.

Item G7 Length of helical pier shall be as required for a soil bearing capacity of 2,500 lbs/ft² for the loading indicated on the Structural Drawings below the lowest floor level.

SPECIFICATION ITEMS:

Item S1 Insert the attached specification Section 31 6213 Steel Helical Piers.

ELECTRICAL ITEMS:

Item E1 Refer to the attached Drawing E2.0 – Traction Elevator Connection Diagram. Changed branch circuit to elevator from 1-1/2”C 3#1/0 CU and 1#6 CU gnd to 1”C 3#6 CU and 1#10 CU gnd.

Item E2 Refer to the attached Drawing E2.0 – Traction Elevator Connection Diagram. Changed power source from Panel M to Panel G

END OF ADDENDUM NO. 1

PREBID CONFERENCE SIGN-UP SHEET
ISU – Family Medicine Elevator
Thursday August 29th, 2019 @ 10:00 am
DPW 19-238

Name/Company	Phone/Fax #	Email Address
Kellen Shropshire JHS Architects	232-1223	kellen@jhsarchitects.com
SCOTT LLOYD JHS ARCHITECTS	232-1223	scott@jhsarchitects.com.
Nathan Powers DPW	417-9223	Nathan.Powers@adm.idaho.gov
Sara Hawke JVS Const.	754-8684-754-8690	jsconst@ida.net
FRED RICHARDS DPW	269-0639	fred.richards@adm.idaho.com
TODD ADAMS ISU FACILITIES	540-0906	adamtodd@isu.edu
Brad Schroeder Star Corp	208-240-0424	brad@starcorporation.com
BRAD HIBLEY C & H CONSTRUCTION	208-529-0290	bradchconst@gmail.com
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ROD SAUNDERSON SAUNDERSON ELECT.	221-8982	SAUNDERSONELECTRIC@GMAIL.COM

SECTION 31 6216
STEEL HELICAL PIERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Foundation stabilization: Preparation for installation.

B. Installation of Steel Piers to achieve Specified Design Loads.

1.02 REFERENCES

A. The following documents form part of the Specifications to the extent stated. Where differences exist between codes and standards, the one affording the greatest protection shall apply.

B. ICBO Evaluation Report ER-5110, AB Chance Helical Pier Foundation System.

C. ICBO Evaluation Report PFC-5551, Dixie Anchoring System.

1.03 DEFINITIONS

A. Helical Pier: Helical Pier Foundation Systems consisting of helical steel piers with one (or more) helically shaped steel plate attached to a central steel shaft. Piers are extended by adding shaft extensions.

1.04 SUBMITTALS

A. Submit under provisions of Division 01 Section "General Requirements."

B. Submit certification that manufactured components comply with ICBO report ER-5110 or PFC-5551.

C. Submission of technical data confirming load capacity in actual soil type.

D. Submit 2 copies of installer’s certification from the manufacturer to install the system.

E. Project Closeout Submittals: Record Drawings.

1.05 QUALITY ASSURANCE

A. Installer Qualification: Installers specializing in performing the work of this section with documented certification from the manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Heli-Pile Company, Pier Tech Systems, 17813 Edison Avenue, Suite 100, Chesterfield, MO 63005.

B. AB Chance Company, a subsidiary of Hubbel Corp., 210 North Allen Street, Centralia, MO 65240-1395, or Aluma-Form/Dixie,3625 Old Getwell Road, Memphis, TN 38118.

C. Substitutions: See Section 01 600, Product Requirements.

2.02 MANUFACTURED COMPONENTS

A. Helical plate, pier lead section and extensions, bolts and foundation attachment brackets conforming to the applicable ICBO evaluation report.

B. Provide helical pier system design meeting the dead load requirements indicated on Structural Drawings.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify site conditions under provisions of Division 01 Section "Special Procedures."

3.02 PREPARATION

A. Use placement method which will not cause damage to nearby structures.
B. Prepare to place tie back anchors from excavated working elevation.

3.03 INSTALLATION

A. Install by certified contractor or dealer.
B. Install helical piers connected to the structure as detailed on Architectural and Structural Drawings.
C. Provide electric or hydraulic powered, rotary type installation torque units with forward and reverse capabilities which are capable of positioning the pier at the designed angle.
D. Connect the installation units with manufacturer’s approved adapters. Provide safe connection to piers and extensions.
E. The minimum installation equipment rating shall equal or exceed the maximum torque rating of the specified helical pier.
F. Securely connect the installation equipment to the pier during installation.
G. Monitor torque applied by the installing units during the entire installation and record values achieved on each pier.
H. Provide a torque monitoring device as part of the installing unit or as a separate in-line device.
I. Make calibration torque monitoring data available for the Engineer, Inspector, and University.
J. Position helical pier as indicated. Establish proper angular alignment at the start of installation.
K. Install piers in a smooth and continuous manner; the rate of pier rotation shall be five to twenty revolutions per minute.
L. Apply sufficient downward pressure to advance the pier.
M. Provide extension material to obtain indicated depth. Couple the helical pier and extension sections with bolts in accordance with ICBO report ER-5110.
N. Remove encountered obstructions, or relocate the helical pier and adjacent helical piers as required.
O. Install to the minimum depth required. Provide a minimum of five 5 feet (1.5 m) of ground cover above the top helix. Obtain written permission from the University before proceeding if depth or minimum torque cannot be obtained.

3.04 FIELD QUALITY CONTROL

A. Field inspection and testing when required will be performed under provisions of Division 01 Section "General Requirements." Special inspection as specified in the applicable ICBO evaluation report is required in accordance with Section 1701 of the CBC.
B. Monitor torque applied by the installing units during the entire installation.
C. Provide torque monitoring device as part of the installation unit or as a separate in-line device.

3.05 PROJECT RECORD DOCUMENTS

A. Accurately record the following:

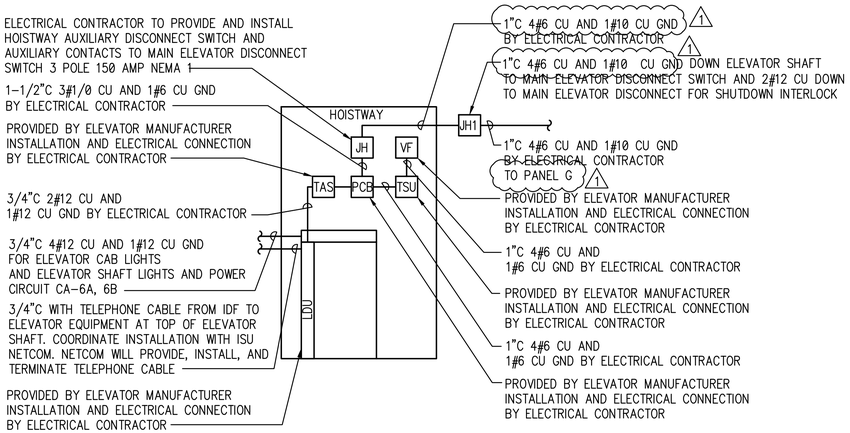
1. Type [number and size of helices], and size.
2. Deviation from indicated locations.
3. Actual locations of helical piers, pier diameter, and pier length.
4. Installation angle below horizontal.
5. Extension length along shaft and datum.
6. Anchor testing if required.
7. Torque-installation records on piers.
8. Torque monitoring calibration data.

3.06 DEPTH AND TORQUE TOLERANCES

A. Helical piers that reach maximum torque rating before reaching minimum indicated depth shall be subject to the following:

1. Terminate at depth obtained with written approval to Engineer.
2. Replace helical pier with smaller and/or less helices, installed 3 feet (0.9 m) minimum beyond termination of original helical pier.

END OF SECTION



JH1 – ELEVATOR MAIN DISCONNECT SWITCH
JH – ELEVATOR AUXILIARY DISCONNECT SWITCH
LDU – INSPECTION AND TEST PANEL
PCB – ELEVATOR FUSE BOX
TAS – ELEVATOR MOTOR CONTROLLER
TSU – TEST AND INSPECTION PANEL AUTOTRANSFORMER
VF – ELEVATOR VFD

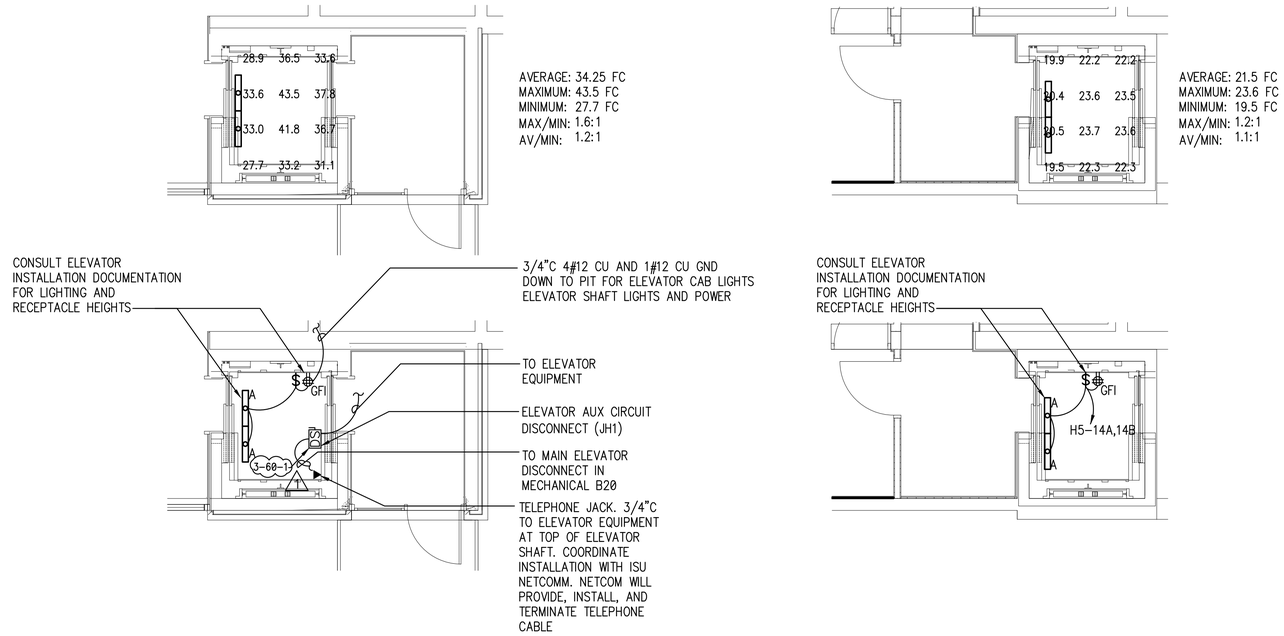
GENERAL ELEVATOR ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF ELEVATOR EQUIPMENT WITH ELEVATOR MANUFACTURER AND ELEVATOR SUBMITTALS PRIOR TO INSTALLATION OF ANY ELECTRICAL EQUIPMENT, BRANCH CIRCUITS, AND/OR FIXTURES PRIOR TO INSTALLATION OF ANY ELECTRICAL EQUIPMENT.

TRACTION ELEVATOR CONNECTION DIAGRAM

1/4" = 1'-0"

ACTUAL INSTALLATION MAY VARY
VERIFY INSTALLATION WITH ELEVATOR INSTALLATION DRAWINGS



ELEVATOR TOP OF SHAFT / EQUIPMENT ROOM LIGHTING AND ELECTRICAL DETAILS

1/4" = 1'-0"

ACTUAL INSTALLATION MAY VARY
VERIFY INSTALLATION WITH ELEVATOR INSTALLATION DRAWINGS

ELEVATOR PIT LIGHTING AND ELECTRICAL DETAILS

1/4" = 1'-0"

ACTUAL INSTALLATION MAY VARY
VERIFY INSTALLATION WITH ELEVATOR INSTALLATION DRAWINGS

PROFESSIONAL ENGINEER REGISTERED 13299 STATE OF IDAHO MATTHEW N. BRADLEY

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DPW#19238 ISU FAMILY MEDICINE & DENTISTRY
ADA ELEVATOR, BLDG #83
IDAHO STATE UNIVERSITY, POCATELLO, IDAHO

ELECTRICAL DETAILS

REVISIONS:
REVISION #1 9-3-19

BRADLEY
Bradley Engineering/Chtd.
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Idaho Falls, ID 83402
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email: bec@bradleyengineering.com

JOB NUMBER: 19-06

DATE: MAY 2019
JOB NO. 1704
DRAWING NO. E2.0
___ OF ___

FILE NAME: ESTEC ELEVATOR.pln
UPDATE: 12/21/2017
DRAWN BY: SBA