University of Nebraska Lincoln

ADDENDUM NO. 3

PROJECT NAME: **UNL Devaney Sports Center Improvements**
UNL PROJECT NUMBER: **C100P098**

Design Professionals:

Sinclair Hille Architects – Architects
Engineering Technologies, Inc. – Mechanical/Electrical Engineers
Nielsen-Baumert Engineering – Structural Engineers
Erhart Griffin & Associates – Civil Engineering
Wrightson, Johnson, Haddon, & Williams Inc. – Audio/Visual Consultant

DATE OF ISSUANCE: **Wednesday, April 11, 2012**

DATE OF BID OPENING: **Wednesday, April 18, 2012**

The bid documents dated March 21, 2012 for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders as an amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

GENERAL CLARIFICATIONS

1. BID PROPOSAL FORM: A revised Bid Proposal Form has been issued with this Addendum. The changes are noted below in the Modifications to the Project Manual. Bidders shall use this revised form when submitting their bids. (See Attachment).
2. DEMOLITION NOTE: It is not indicated on the Drawings, but the Base Bid work under this Contract shall include the removal of the 6 existing basketball goals and support structure attached at the roof trusses in their entirety. This includes a significant quantity of steel removal. The goals cannot be removed until after the end of the basketball season in March 2013.

QUESTIONS / ANSWERS

NOTE THAT ALL QUESTIONS ARE TO BE SUBMITTED IN WRITTEN FORM TO UNL'S PROJECT MANAGER—JOE GOODWATER AT UNL FACILITIES MANAGEMENT. Joe's e-mail addresses are as follows:

Jgoodwater1@unl.edu
Joe.goodwater@unl.edu

1. Q: Will there be any more opportunities for subcontractors to visit the job site after today?

   A: None are planned as of now.

2. Q: According to the Phasing Narrative in Addendum 1, the new emergency engine generator is to be installed during Phase 1. Has this item been pre-ordered?

   A: The generator has not been pre-ordered. The installation of the generator does not need to be complete at the end of Phase 1. The intention is to have the generator installed as soon as

possible as it is required for activation of the smoke evacuation system that is also installed starting in Phase 1. With an operational smoke evacuation system, we should be permitted by the code officials to reduce the exit width required and allow for phasing of work at egress ways and exit doors.

3. Q: On plan sheet A110, the Room Finish Schedule calls for APC-1 ceilings at rooms 332 and 334. On plan sheet A702, these rooms are shown to have gypsum wall board or plaster ceilings. Please clarify.

   A: The Reflected Ceiling Plan A702.B is correct—these rooms are to have gypsum board ceilings.

4. Q: Elevation A1/A503 shows a marker board on one wall of room 109F. The detail cut shown is D11/A604, which calls out a window covering over the marker board, which is mentioned in spec section 122413. However, D11/A604 refers to "conference casework; coats 186A". Calling out room 186A is likely an error, but the question is, do the window coverings occur just at this one marker board in room 109F, or is it typical at all markerboards?

   A: No—the roller shades do not occur at all markerboards. See the Addendum note for Section 122413 for a list of the rooms with boards that do not have the roller shade installed.

5. Q: Elevation H1/A501, section K4/A601, and section K7/A601 all include a spec section reference "126100.A fixed audience seating". Is this work by UNL?

   A: No—the fixed audience seating indicated for the Club Level is part of the Work under the Base Bid contract. A specification for the seating is attached with this addendum. See the addendum note for Section 126100—below.

MODIFICATIONS TO THE DRAWINGS

MECHANICAL / ELECTRICAL Modifications

1. See the Attached Mechanical / Electrical Addendum.

Sheet C104

1. Refer to Detail 7/C104—ASPHALT SPECIFICATION: Asphaltic concrete mix shall be Type 3, as specified in the City of Lincoln Standard Specifications for Municipal Construction, current edition.

Sheet A100.A

1. The locations for the rooms in the NW Mechanical Room 162 are not correct. The locations for these rooms are correct in the Mechanical/electrical drawings—see L1/E500. (See the attached plan sketch with the correct room name locations.)
2. Refer to Concessions 156—in addition to replacing the existing counter tops, the existing base cabinets are to be replaced as well. This includes 27 LF consisting of (9)-3'-0" wide base cabinets with doors at the north wall similar to those provided in the New Concessions stands as shown in Elevation N8/A504. This also includes approximately 30 LF of open shelf base cabinets similar to N13/A504. Cabinets are plastic laminate clad.
3. Refer to Hospitality 186—CLARIFICATION: The Room Finish Schedule references wood/gypsum board on the east wall. The wood is to be a wainscot 3'-8" tall to match the backsplash height at the west wall casework. The wainscot extends between the 2 door projecting alcoves.

Sheet A100.B

1. In Officials 189, add a 4' H x 6' W marker board as specified in Section 101100. This board will not have a roller shade installed.

Sheet A101.A

1. Refer to Existing Concessions 264A—As a part of the Based Bid only, in addition to replacing the existing counter tops, the existing base cabinets are to be replaced as well. This includes approximately 24 LF of (6) 3'-0" wide (face width) base cabinet at the north wall similar to those provided in the New Concessions stands as shown in Elevation N8/A504. Cabinets are plastic laminate clad. (At the front counters, there are no existing cabinets—counter tops only.)
2. At the existing NE and NW Stairs 240 and 260, the existing painted steel guard/hand rails are to be removed from the existing steel stringers and replaced with new painted steel guard rails with attached hand rails. The existing wall mounted hand rails are also to be replaced with new wall mounted painted steel hand rails with painted steel brackets.

Sheet A101.B

1. Refer to Existing Concessions 282A—As a part of the Based Bid only, in addition to replacing the existing counter tops, the existing base cabinets are to be replaced as well. This includes approximately 24 LF of (6) 3'-0" wide (face width) base cabinet at the north wall similar to those provided in the New Concessions stands as shown in Elevation N8/A504. Cabinets are plastic laminate clad. (At the front counters, there are no existing cabinets—counter tops only.)
2. At the existing SE Stair 214, the existing painted steel guard/hand rails are to be removed from the existing steel stringers and replaced with new painted steel guard rails with attached hand rails. At this location the attached hand rail shall be stainless steel to match the rail provided with the glass guard rail on the new stair up to Club Level. The existing wall mounted hand rails are also to be replaced with new wall mounted stainless steel hand rails with painted steel brackets. (See Attached Sketch).
3. At the existing SW Stair 206, the existing painted steel guard/hand rails are to be removed from the existing steel stringers and replaced with new painted steel guard rails with attached hand rails. The existing wall mounted hand rails are also to be replaced with new wall mounted painted steel hand rails with painted steel brackets.

Sheet A102.B

1. Refer to Lounge 320—CLARIFICATION: This room is to receive a wood wainscoat on the east, west, and north walls—in addition to the wood panel surround at the round borrow light indicated on Elevation L1/A504. The wainscot is to be 3'-8" tall to match the top of the backsplash at the east wall casework.

Sheet A105

2. Refer to Enlarged Plan L1 at the SE Stair. CLARIFICATION: See the attached sketch attached with this addendum clarifying the type and extent of rail systems at the upper balcony of Lobby 300 and the SE stair. (See Attachment). This is as follows:

   The upper balcony at Club Level and the open sides of the SE stair down to Concourse level will have the glass guard system with stainless hand rail as indicated by note 057200.A and as described in Specification paragraph 057200—2.5.A.

   The rail will mount centered on top of the structural tube stringer at the stairs.

   The glass guard will stop at the end of the bottom run of the new upper stair with an extension to align with the top of the existing stair that runs from Concourse down to Event Level. The existing stair will get a new painted steel guard rail at the center stringers.

   The stainless steel handrail as attached at the glass guard will extend down the existing stair attached to painted steel brackets at the steel guard and painted steel wall brackets at the walls

Sheet A110

1. QUESTIONS AND ANSWERS. See the attachment at the end of this addendum with a number of questions and answers regarding finishes. (See Attachment.)
2. Refer to the Room Finish Schedule. At 332 and Women 334 change the ceiling designation from APC-1 to GWB to match Sheet A702.B Reflected Ceiling Plan.
3. Refer to the Room Finish Schedule. At Operations 146 the flooring is noted as RT. This abbreviation is for is Resilient Tile—see Section 096519 for specification.
4. Refer to the Room Finish Schedule. There are several rooms listed that do not show on the plans. These rooms were deleted and replaced with another space with a different number. The new rooms are in the Schedule. These rooms include the following:

   Family 103 became Family 108.
   Custodial 196 became Custodial 110.
   IT 317 became Telecom 313A.
5. Refer to the Room Finish Schedule. Room 135A Storage appears in the Schedule but does not appear on the plan. Delete this room. This was originally a storage closet off Game Day Operations 135, but became an alcove the room number was removed.
6. Refer to the Room Finish Schedule. Delete Family 266 and Custodial 268. These rooms no longer exist.
7. Refer to the Room Finish Schedule. Change the ceiling in Catering 336 to APC-4.

Sheet A111

1. Refer to the Door Schedule. See the Item #1 for Specification Section 087100 “Door Hardware” with attachment for answers to door questions. These include corrections to the Door Schedule.
2. Doors 228A.1 is an existing door and does not require new hardware. Delete HW Set #16.0 for schedule note.
3. Doors 228B.1, 232B.1, 276A.1, and 276A.2 are noted as new doors and frames. This is not correct. These doors shall be changed to existing HM doors and frames that are to be painted. These doors will not require new hardware—delete the hardware sets indicated.

Sheet A301

1. Refer to the Detail A1. At the right most column, the exterior portion of the detail top the right of the door is an exterior condition. There is no keynote 072726.A for the membrane air barrier at this location. The air barrier membrane is required at the exterior portion of the wall. Generally, the 072726.A keynote shall apply at all exterior areas with the 061600.A sheathing.

Sheet A400

1. Refer to the Detail A10. At the exterior portion of the canopy there is no keynote 072726.A for the membrane air barrier. The air barrier membrane is required at the exterior portion of the canopy, similar to as shown in Detail G13/A400. Generally, the 072726.A keynote shall apply at all exterior areas with the 061600.A sheathing.

Sheet A500

1. Refer to the Elevation L1. The elevation shows the structural steel stringer at the main lobby stairs as being exposed (and painted per Detail N7/A600). This is not correct. The stainless steel cladding for the glass guard rail base shoe shall extend to cover the exposed steel stringer. The stainless steel cladding shall also be provided at the center stringer with the stainless handrail to cover the exposed portions of the steel stringer. (See the Detail sketches referenced from the Details on A600.)

2. Refer to Elevations A1, A7, and L1—CLARIFICATION: These elevations show the glass guard rail assembly as indicated by note 057200.A. This guard assembly includes an integral stainless steel handrail as indicated in the specification Section 057200-2.5.A. These elevations do not show the handrail.

Sheet A504

1. Refer to Elevation H11. The closet millwork in this elevation, is not as specified in Section 064023. This millwork is a custom closet organizing system—similar to that provided at the Hendricks Addition. The material for this system is to be Clear Maple with a stained finish as selected by the Owner. (See the attached Submittal drawing from the Hendricks project indicating the intent of this installation.)
2. Refer to Elevation L1. The north wall is to receive a wood wainscot in the sections of wall shown as paint only. The wainscot is to be 3'-8" tall to match the top of the backsplash at the east wall casework.

Sheet A600

1. Refer to the Details N7, N10, and N13. At the glass and stainless steel rail systems, the stainless steel cladding provided to cover the base shoe extrusion shall be extended to cover the exposed portions of the structural steel stringers. (See the attached sketches indicating the extent of the stainless steel cladding).

Sheet A604

1. In the Millwork Detail D11 title, delete the reference to Coats 186A. This detail is the generic section for Conference Cabinets.

MODIFICATIONS TO THE PROJECT MANUAL

MECHANICAL / ELECTRICAL Modifications

1. See the Attached Mechanical / Electrical Addendum.

Section 000115 "List of Drawing Sheets"

1. Refer to Page 4—The Audio Visual list of Drawings is not correct. Delete the Reference Drawings Sheets AV100, AV101, AV102, AV103, and AV104. These drawings do not exist. The Index of Drawings on the Cover Sheet of the drawing set is correct.

Section 004113 "Bid Form – Stipulated Sum"

1. Note as per the General Clarification #1 above the Bid Proposal Form has been reissued and is to be used by bidders to submit their bids. The changes are as follows:
2. Refer to Page 2—Insert a note #4 to read "To substantially complete Phase 3 work no later than August 20, 2013." (Other note numbers adjusted accordingly.)
3. Revise Note 5. (previously #4) by adding the following wording at the end of the first sentence, "but NO LATER THAN August 15, 2014.

Section 005213 "Agreement Form"

1. Refer to Sub-Article 5.1—In the first paragraph at the end of the last sentence add the wording "or by August 15, 2014 whichever is earliest."
2. Refer to Sub-Article 5.1—In the second paragraph insert the words ninety (90) into the blank for the required number of calendar days to Final Completion after the date of Substantial Completion.
3. Refer to Sub-Article 5.4.2—At the end of the bold text in the first sentence, delete the words "**Phase 2**" and change the wording to read "**Phase 3 (No later than August 20, 2013)."**. This change is to match the phase numbers used in the Phasing Narrative and Plans issued in Addendum #1. The Substantial Completion Date has been changed to August 20, 2013, from August 24, 2013 as noted in the Phasing Narrative.

(See Attachments for pages 4 and 5 of the Agreement Form with the changes noted.)

Section 033000 "Cast-In-Place Concrete"

1. Refer to paragraph 3.15.B.—Delete this paragraph. The Owner will engage a testing agency as noted in 3.15.A. The Contractor shall notify the Owner in advance when testing is required.

Section 057200 "Decorative Glass and Metal Railings"

1. Note that at the main stairs Lobby100, the stainless steel cladding for the rail base extrusion shall extend and cover the exposed steel structural stringer as well. Stainless steel cladding shall be provided to cover the exposed steel structural stringer at the center handrail as well. (See Detail sketches with Sheet A600 for typical conditions.)

Section 074219 "Metal Plate Wall Panels"

1. NOTE that the drawings generally indicate panel joint locations. Panels joints shall be as per the construction documents or as coordinated at the Shop Drawing phase. The locations will not be based on a standard panel size.
2. Refer to 1.4.A. Delete this paragraph and replace to read as follows:
    A. General Performance: Metal plate wall panel assemblies shall comply with performance requirements without failure due to defective manufacturing, fabrication, installation, or other defects in construction. Design, fabricate, and erect a pressure equalized "rainscreen" aluminum wall panel system to meet the requirements of AAMA 508-7 Voluntary Test Method and Specifications for Pressure Equalized Rain Screen Wall Cladding Systems, specifically as follows.
        1. All AAMA 508-07 tests must be completed with the following criteria;
            a. All manufacturers must achieve the required 15.00psf criteria without the use of sealants, butyl tapes or gaskets (hidden or otherwise) in the panel joints or at the perimeter of the panels to the test buck perimeter flashing. In addition, a minimum of 40 lineal feet of unsealed panel joint must be incorporated in the test assembly.
3. Refer to 1.4.C. Delete this paragraph and sub-paragraphs and replace to read as follows:
    C. Structural Performance: Provide metal wall panel assemblies and panel supports capable of withstanding the effects of the following loads and stresses within limits and under conditions indicated, based on testing according to ASTM E 330:
        1. Wind Loads: As indicated on the Drawings.
            a. Panels shall be designed to withstand the Design Wind Load based upon the local building code, but in no case less than 20 pounds per square foot (psf) and 30 psf on parapet and corner panels. Wind load testing shall be conducted in accordance with ASTM E330 to obtain the following results.
            b. Normal to the plane of the wall between supports, deflection of the secured perimeter framing members shall not exceed L/175 or 3/4", whichever is less.
            c. Normal to the plane of the wall, the maximum panel deflection shall not exceed L/60.
            d. Maximum anchor deflection shall not exceed 1/16".
            e. At 1-1/2 times design pressure, permanent deflections of framing members shall not exceed L/100 of span length and components shall not experience failure or gross permanent distortion. At connection points of framing members to anchors, permanent set shall not exceed 1/16".
        2. Deflection Limits: Metal wall panel assemblies shall withstand wind loads with horizontal deflections no greater than 1/180 of the span.

a. Individual panels, using rainscreen engineering techniques may have greater allowable deflection provided no permanent deformation of panels results or surrounding construction is in any way compromised.

4. Refer to Article 1.4. Add paragraphs E., F., G., and H. to read as follows:

   E. Pressure Equalization: ASTM E1233 Cyclic Static Air Pressure Differential Testing; Positive pressure loading to 1200 pa. (25psf) for 100 three second cycles.

   F. Air Leakage: Not more that 0.06 (cfm)/sf of wall area when tested at 6.24 psf in accordance with ASTM E283.

   G. Water Penetration ; Static: No water infiltration under static pressure when tested in accordance with ASTM E331 at a differential of 10% of inward acting design load, 15.00 psf min. after 15 minutes.

   H. Water Penetration; Dynamic: AAMA 501.1 Dynamic Water Test at a minimum of 300 Pa (6.24 psf.)

5. Refer to 2.4.2. Change the thickness of the aluminum sheet for the panels from "0.125 inch (3.18 mm) thick" to read:

   "0.080 inch minimum thickness, or 0.125 inch where required to meet performance specifications and/or fabrication requirements."

6. Refer to 2.4.A.1.C. Change Lintel to LINEL Signature.

Section 084413 "Glazed Aluminum Curtain Walls"

1. Refer to 1.5.B. Add sub-paragraph 4. to read as follows:

   "4. Shop Drawings shall be prepared by the Curtain Wall Manufacturer, including delegated design submittal with the specified seal and stamp by the qualified professional engineer."

   NOTE—The intention of this addendum item is to required that the design, engineering, and preparation of shop drawings are to be provided by the curtain wall manufacturer.

2. Refer to Article 2.7. CLARIFICATION: The curtain wall assemblies may fabricated be either by the curtain wall manufacturer at their factory, or by the installation sub-contractor in their shop. The curtain wall assemblies are to be factory or shop assembled to the extent possible before delivery to the job site.

Section 087100 "Door Hardware"

1. See the attachment with a list of door hardware questions with response. (See attachment).

3. At Doors 107AA.1, 109.1, 320.4, and 340.1 change the door pull assembly from the specified product to the custom stainless steel "N" pull to match the product installed in the Hendricks addition (See attached sketch for Detail. The sketch is the actual submittal for the Hendricks door pulls. Note that the submitted pulls are for a wood door and include a cylinder location. The pulls in this project are to be installed in All-Glass Entrances and will not require a cylinder at the pull. The lock for the All-Glass doors shall be in the bottom rail.)

4. Refer to HW Set 44.0. In the list of doors included delete change 308.2 to 308.1. (There is no door 308.2.)

5. Refer to HW Set 31.0. In the list of doors delete Door 196.1. There is no Door 196.1.

Section 101100 "Dimensional Letter Signage"

1. Not all marker boards will have the roller shade specified in Section 122413. See the list in the addendum item for Section 122413.

Section 101419 "Dimensional Letter Signage"

2. Refer to Paragraph 2.2.A.—delete the wording "to match the design and construction of the existing signage on the adjacent Hendricks Addition". The signage on Hendricks is intended to be the basis for the quality of construction and materials for the new signage. The "N" sign is as installed at Hendricks but larger. The "Bob Devaney Sports Center" signage is to be face lit—not back lit as the Hendricks building signage.
3. Refer to Paragraph 2.3.A.2.b.—change the LED color for the "Bob Devaney Sports Center" signage to "Red".
4. Refer to Paragraph 2.3.A.5.a.—change the Lexan sheet color for the "Bob Devaney Sports Center" signage to "#2793 Red acrylic".
5. Refer to Paragraph 2.3.A.8.a.—Delete this paragraph. The signage is to received a painted silver finish to match the Hendricks signage.
6. Refer to Paragraph 2.3.B.8.a.—CLARIFICATION—The Raised Pan Face refers to the profile of the red acrylic face sheet—to match the Hendricks "N" signage..
7. Refer to Paragraph 2.3.B.10.a.—Change the finish color of the "N" signage from 'black' to "silver" finish to match the Hendricks "N" signage.

Section 122413 "Roller Window Shades"

1. Not all marker boards will have the roller shade installed that is specified in this Section The following rooms with marker boards do not require roller shades:

   112, 133A, 133B, 133C, 135, 146, 152, 176A,189, and 256A.

Section 126100 "Fixed Audience Seating"

1. The fixed audience seating indicated for the Club Level is a part of the Base Bid for this project. See the attached Specification Section 126100 for the requirements for the seating.

SUBSTITUTION REQUESTS--APPROVED

Subject to compliance with the requirements in the specifications, the following substitutions have been approved for use on this Project:

1. Section 071901 "Graffiti Resistant Coating"

   Diedrich 333 Omega Water Repellent
2. Section 074219 "Metal Plate Wall Panels"
   a. Dri-Design Metal Plate Wall Panels.
   b. Metal Design Systems, Inc. Series 72 Metal Plate Panel System.
   c. Metal Specialty Systems, Inc.Series 3100 AP Aluminum Plate Panel System.
3. Section 084413 "Glazed Aluminum Curtain Walls"
   a. EFCO Corporation Series 5600 CW.
   b. Manko Window Systems Inc. Series 250 Glazed Curtain Wall
4. Section 096723 "Resinous Flooring"

   Industrial Protective Coatings, Inc., Anchor Bond 4000 Decorative Quartz Flooring System.
5. Mechanical / Electrical Substitution Requests—Approved

   See the Attached Mechanical / Electrical Addendum.

SUBSTITUTION REQUESTS—NOT APPROVED

The following substitutions have not been approved for use on this Project:

1. Section 084413 “Glazed Aluminum Curtain Walls”:
   Greenfield Products 8400 Series Reinforcement Plate
2. Section 087100 “Door Hardware”:
   Greenfield Products Removable Mullions
3. Mechanical / Electrical Substitution Requests—Not Approved
   See the Attached Mechanical / Electrical Addendum.

ATTACHMENTS

1. Bid Proposal Form—REVISED (2 pages).
2. Sketch—corrected room name locations in NW Mechanical Room 162.
3. SE Stair Sketch clarifying guard and hand rails.
4. Finishes—Questions and Answers (1 page.)
5. Details N7, N10, and N13/A600 clarifying stainless steel cladding.
6. Detail for closet organizer system to be provided for Elevation H11/A504 (3 pages).
7. List of Door Hardware questions with answers (1 page)
8. Detail—Custom “N”:door pull (1 page).
9. Section 005213 “Agreement Form-Stipulated Sum” revised pages 4 and 5 (2 pages).
10. Specification Section 126100 “Fixed Audience Seating” (6 pages)
11. Mechanical / Electrical Addendum (8 pages)

END OF ADDENDUM NO. 3

SECTION 00 41 13 - BID PROPOSAL FORM

BID PROPOSAL

TO: THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA
c/o University of Nebraska-Lincoln
Business Services
Procurement Services Dept.
1700 Y Street
Lincoln, NE 68588-0645

BID PROPOSAL FOR: General Contractor

PROJECT: **C100P098-Devaney Sports Center Improvements**

INVITATION NO.: **909353-12**

☐ **COMPLETE THE FOLLOWING INFORMATION – BIDDERS NAME AND TYPE OF BUSINESS**:
This Bid is offered by _____, hereinafter referred to as the Bidder,
- ☐ a corporation organized and existing under the laws of the State of _____.
- ☐ a partnership doing business as _____.
- ☐ an individual doing business as _____.

In response to the Bidding Requirements for the construction of the project identified above by name, quotation number, and project number, the Bidder hereby makes the following representations:

Bidder has received the drawings and specifications for the project prepared by **Sinclair Hille & Associates.**

Bidder has examined the Bidding Documents, visited the site, and otherwise familiarized itself with the local conditions affecting the construction of the project.

☐ **COMPLETE THE FOLLOWING INFORMATION – BASE BID**:
Bidder agrees to furnish all labor, materials, tools, equipment, services, transportation, and supervision required to complete the work indicated in the Bidding Documents within the time set forth herein for the lump sum Base Bid amount of
_____dollars($_____).

☐ **COMPLETE THE FOLLOWING INFORMATION – ALTERNATE PROPOSALS**:
The Base Bid amount given above may be increased or decreased by the acceptance of any of the Alternate Proposals listed below. The full and complete description of the work to be added to or deleted from the scope of the project by each of the Alternate Proposals is that found in Division 01, Section 01 23 00 - Alternates.

ALTERNATE NO. 1: Provide a price alternate to add the demolition and all associated new construction work for new West Concession Stands.
ADD the sum of _____ dollars ($_____)

ALTERNATE NO. 2: Not Used

ALTERNATE NO. 3 ADD: Provide the cost to add the plate and frame heat exchanger (HE-3).
ADD the sum of _____ dollars ($_____)

ALTERNATE NO. 4: Provide the cost to add a new resinous terrazzo flooring as specified in Section 096223 in Corridors 132, 142, 166, and 168.
ADD the sum of _____ dollars ($_____)

PROVIDE THE FOLLOWING INFORMATION – BID SECURITY:
Included with this Proposal is Bid Security of the type and in the amount required by the Bidding Instructions.

COMPLETE THE FOLLOWING INFORMATION – NUMBER OF ADDENDA RECEIVED:

Bidder has received Addenda Nos. _____, and has included their provisions in this Bid.

COMPLETE THE FOLLOWING INFORMATION – #4 CALENDAR DAYS TO COMPLETE THE WORK:
In submitting this Bid, Bidder agrees to the following:

1. To hold this Bid open for 60 days following the bid date.
2. To enter into and execute the "University of Nebraska Standard Form Construction Agreement" based upon this Bid, if accepted by Owner.
3. To perform all work required by the Contract Documents.
4. **To substantially complete Phase 3 work no later than August 20, 2013.**
5. To substantially complete the work not later than _____ calendar days from the start of construction given in the Notice to Proceed, **but NO LATER THAN August 15, 2014.** (Bidder to enter number of days.) Time is of the essence and may be a factor in the award of this Contract.
6. That this Bid has been arrived at without collusion with other Bidders and without any effort or activity which might prevent the University of Nebraska from receiving the lowest possible competitive Bid.
7. To comply with Nebraska Fair Employment Practice Act, understanding that a breach of this provision will be regarded as a material breach of contract.

COMPLETE THE FOLLOWING INFORMATION – SIGNATURE AND CONTACT INFORMATION:

Address: _____

_____

Signature: _____

Printed Name: _____

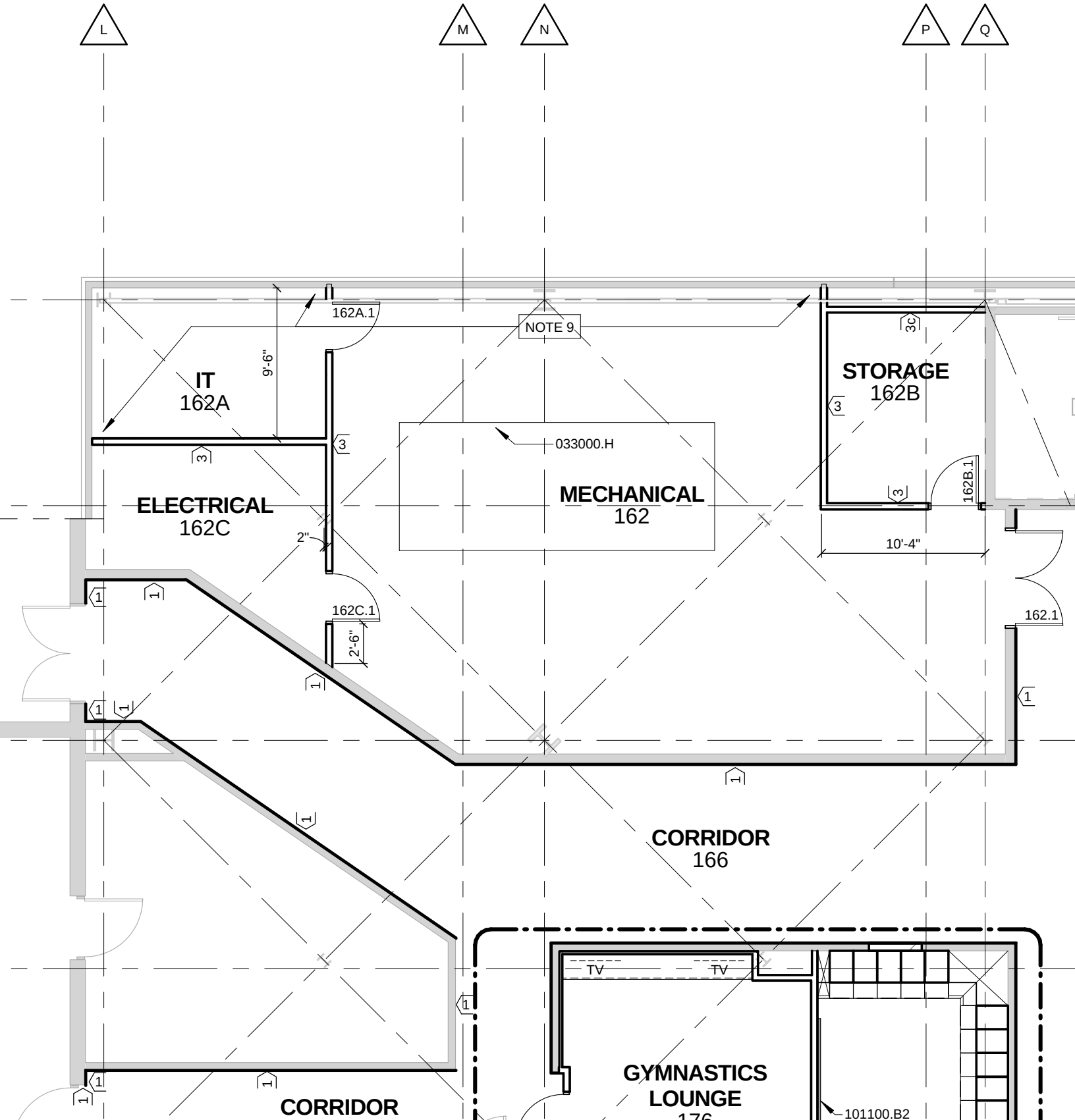
Tele. No.: _____

Title: _____

Fax. No.: _____

Dated this _____ day of _____, 20

Email Address: _____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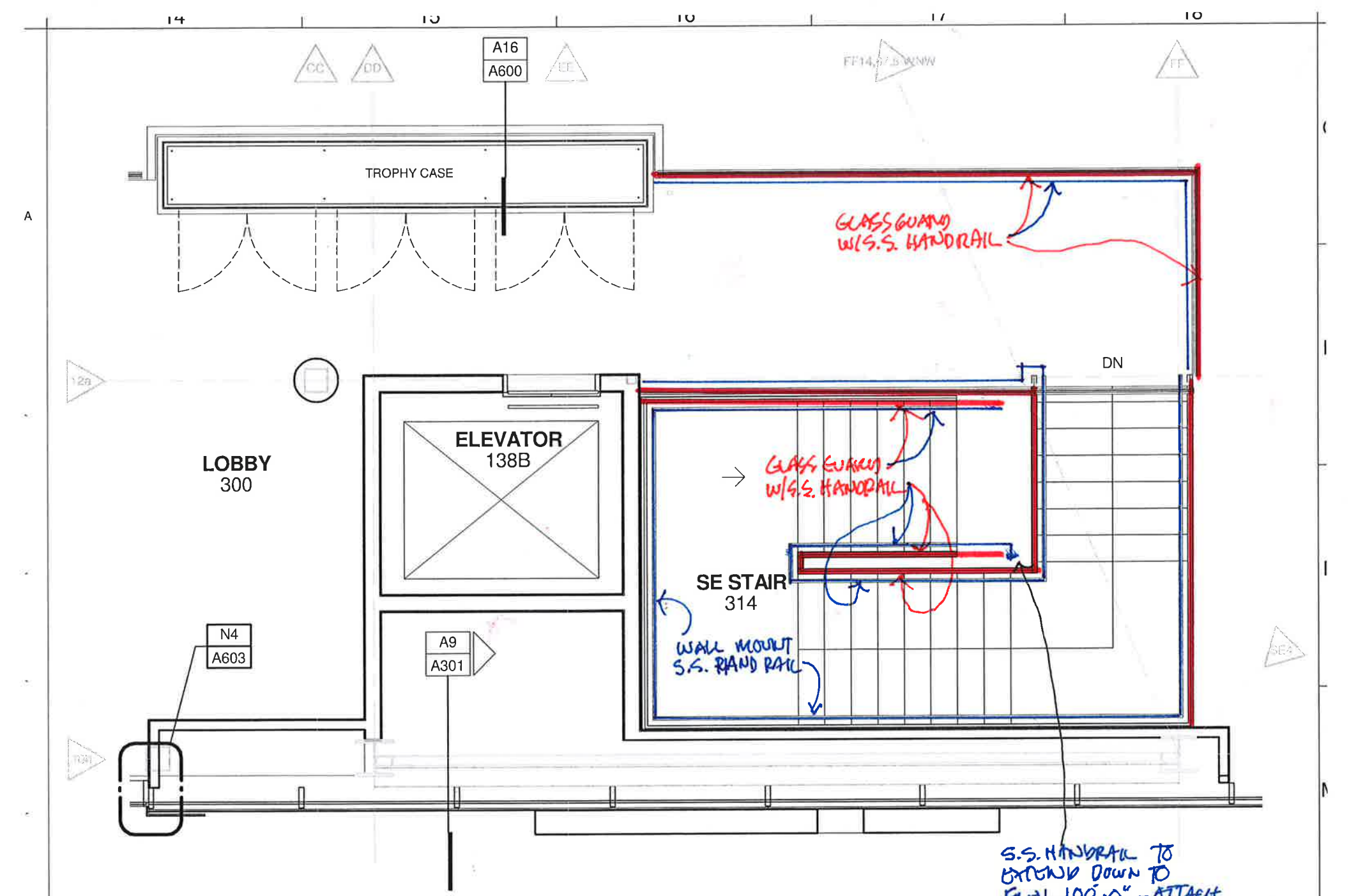


L14 ENLARGED PLAN

SCALE: 1/4" = 1'-0"

ENTRY TO VOLLEYBALL SUITE AT CLUB LEVEL - AREA B

FINISH QUESTIONS & ANSWERS

Q: Should the Wood cladding System include cap as shown on N4-A600 at Wainscoat.
A: YES.

Q: Should the Wood cladding System and wainscot include a wood base?
A: THE ROOMS WITH WOOD TYPICALLY HAVE WOOD BASE THAT IS SPECIFIED IN THE MILLWORK SECTION 064023. THE BASE IS SHOWN IN DETAL N1 / A600.

Q: Is there a detail for wood cladding and round window in room 320?
A: NO—THE ROUND WINDOW IS ALUMINUM STOREFRONT. ASSUME THE FRAME INSTALLS FLUSH TO THE WOOD CLADDING WITH A REVEAL AT THE EDGE. ASSUME A GYPSUM BOARD RETURN TO THE FRAME IN CORRIDOR 300B.

Q: Is wood cladding only on the East wall of Hospitality 186?
A: YES—BETWEEN THE 2 PROJECTING DOOR ALCOVES.

Q: F4-A601 Looks like wood cladding is only below Trophy case at Ramps, not North or West, is that right?
A: WOOD CLADDING IS BELOW ALL TROPHY CASES AT THIS LOCATION—BY THE RAMPS AND AT THE COLUMNS BETWEEN THE STEPS. AS PER F7 AND A4/A601 NOTE THAT THE WOOD CLADDING EXTENDS FROM THE COLUMN TROPHY CASES ONTO THE 'BOX' NORTH OF THE TROPHY CASE.

Q: F7-A601 Looks like column in background is wood, is that right?
A: THERE IS A COLUMN COVER AS INDICATED BUT IT IS NOT WOOD. THIS IS SHOWN INCORRECTLY. REFER TO A101.B AND ELEVATION H1/A501. THESE ARE NOTED AS 055813.B—ALUMINUM COLUMN COVERS.

Q: Room 112 RFS = APC-1, RCP = Metal. Which is right?
A: RCP—METAL.

Q: Rooms 135A, 266 & 309, I can't find. Do they exist?
A: NO.

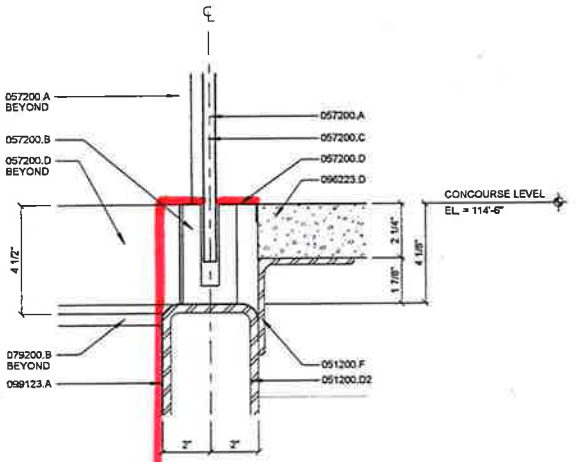
Q: Room 186AA RFS = Plaster, RCP = APC. Which is right?
A: THIS IS SWIM STORAGE—RFS IS CORRECT—PLASTER**.

Q: Rooms 184, 186B & 342 Which kind of APC?
A: CATER 184—APC-4; STORAGE 186B—APC-2; OFFICE 342—APC-1.

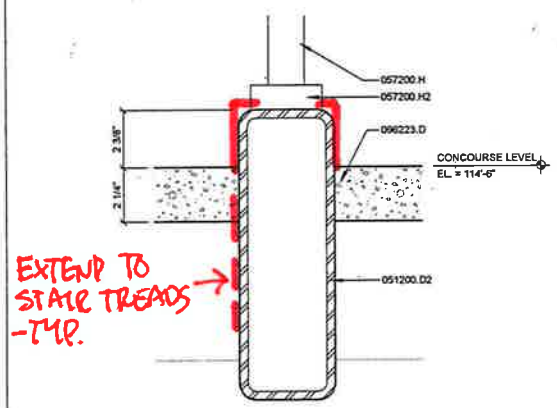
Q: Rooms 332 & 334 RFS = APC-1 RCP = Drywall. Which is right?
A: RCP—GYPSUM BOARD.

Q: Rooms 109Q, 109R, 189A & 189B RFS = Drywall RCP = Plaster. Which is right?
A: THESE ROOMS ALL CONTAIN SHOWER—PLASTER**.

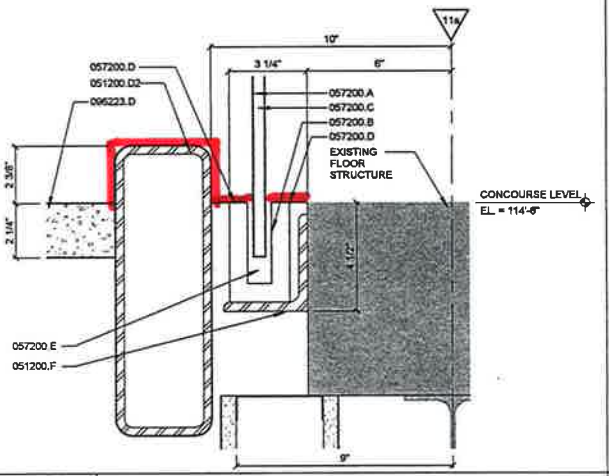
** NOTE THAT PLASTER IS ACTUALLY THE DIRECT APPLIED ACRYLIC CEILING FINISH SYSTEM OVER GYPSUM BOARD AS SPECIFIED IN 092613—2.1.A.



N7	SECTION DETAIL
SCALE: 3" = 1'-0"	NORTH STAIR STRINGER AT GRAND STAIR - ARENA TO CONCOURSE LEVELS - AREA B



N10	SECTION DETAIL
SCALE: 3" = 1'-0"	CENTER STAIR STRINGER AT GRAND STAIR - ARENA TO CONCOURSE LEVELS - AREA B

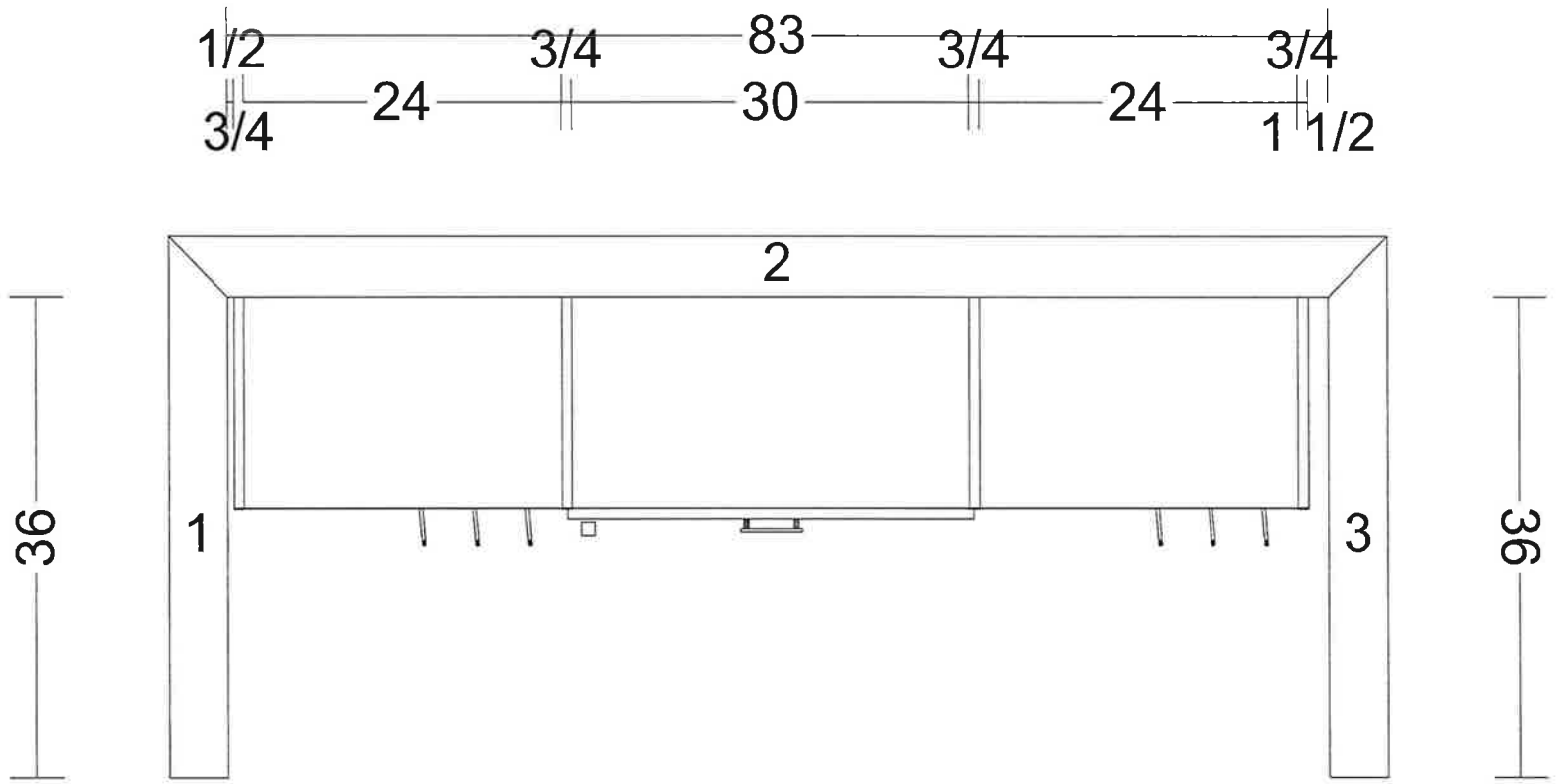


N13	SECTION DETAIL
SCALE: 3" = 1'-0"	NORTH STAIR STRINGER AT GRAND STAIR - ARENA TO CONCOURSE LEVELS - AREA B

N16
SCALE: 1"

EXTEND TO BOTTOM OF EXPOSED STRINGER - TYP.

OVERVIEW



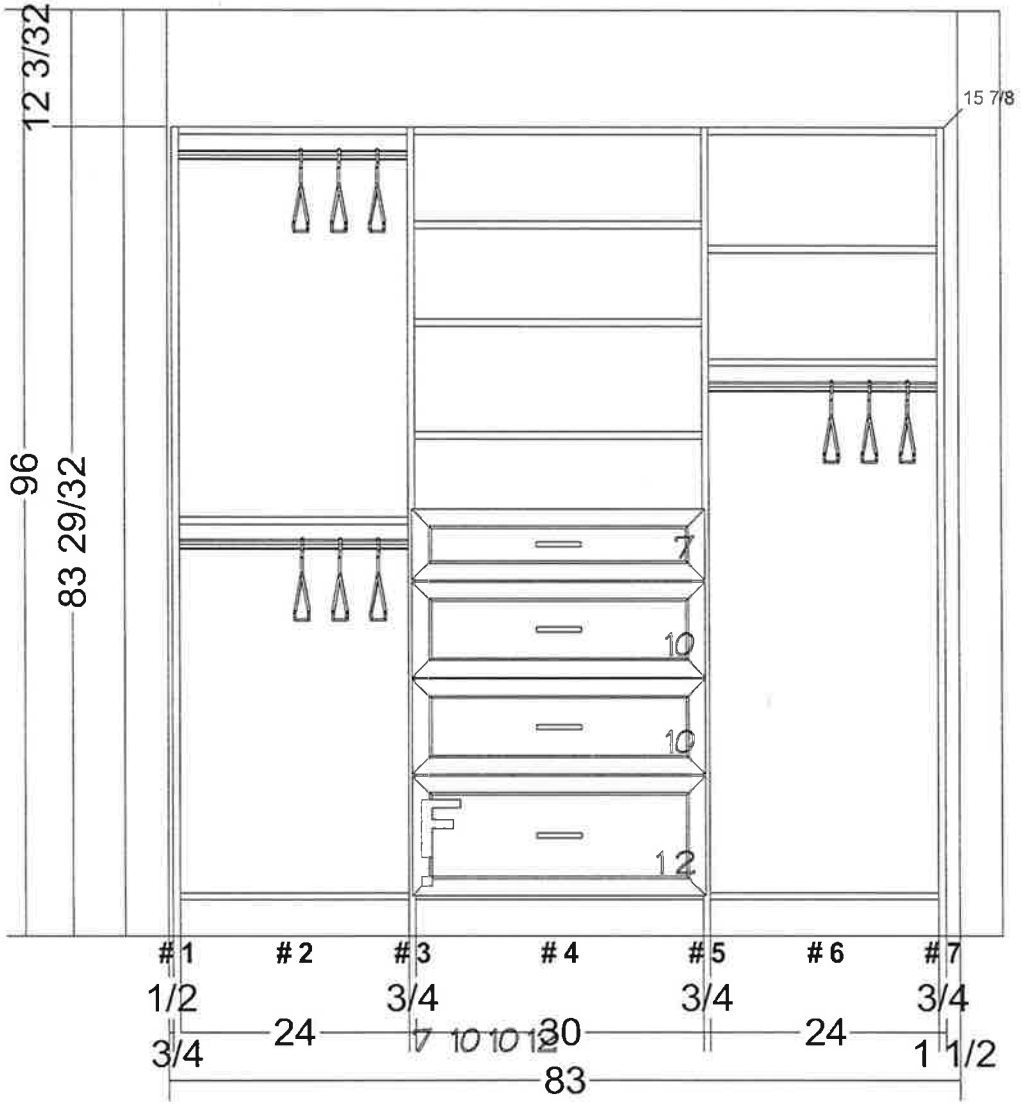
BASKETBALL COACH'S CLOSET

Contact: MIKE HERMAN

Phone Number: 402 778-5777

Name: MARCO CLOSETS		Job: BASKETBALL COACH'S CLOSET
Address: 707 N FRONTIER RD		PO: 402 778-5777 Date: 07/27/11
City: PAPILLION	State: NE	Sheet # Sheet 1
Job #: 7137 - UNL DEVANEY		

FRONT VIEW



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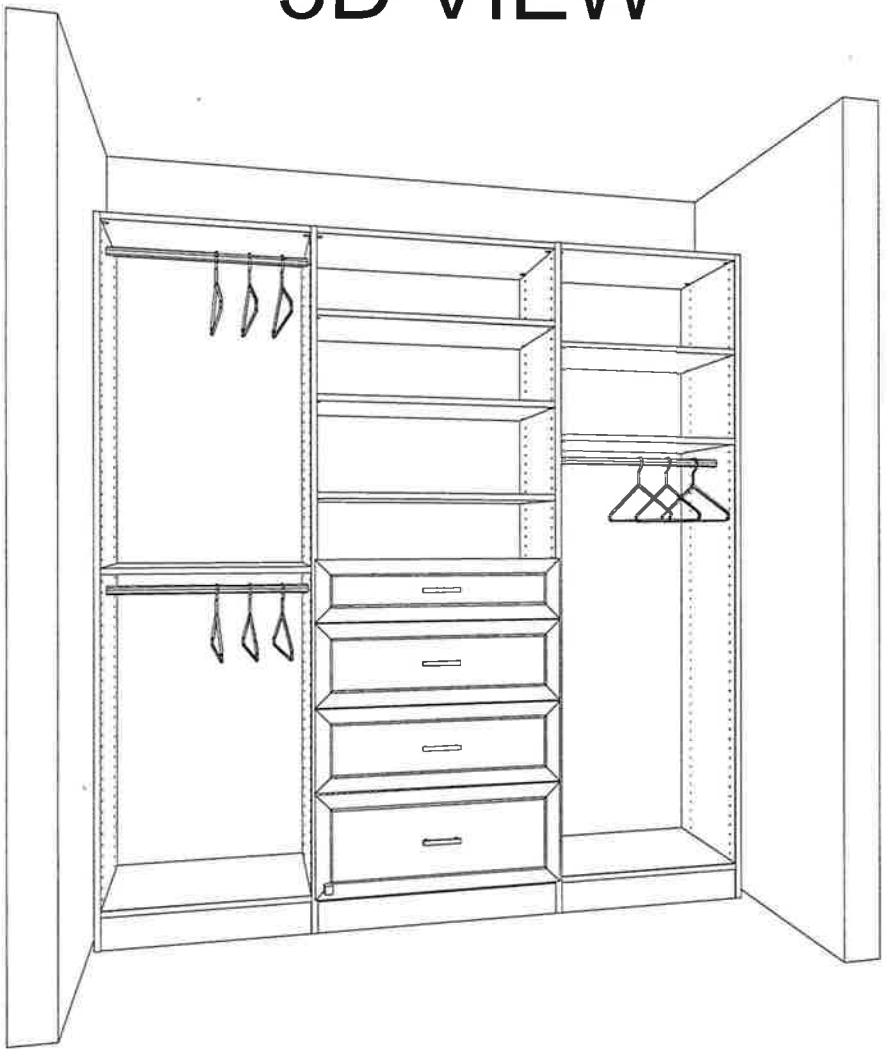
City: PAPILLION	State: NE	Sheet # Sheet 2
Job #: 7137 - UNL DEVANEY		

3D VIEW



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City: PAPILLION	State: NE	Sheet #	Sheet 3
Job #: 7137 - UNL DEVANEY			

DOOR HARDWARE—QUESTIONS & ANSWERS

Door 218.1 Listed with hardware set 45.0; on door schedule as hardware (none)
Existing aluminum door—no hardware required.

Door 308.2 Not on door schedule; included with hardware set 44.0
Door does not exist—no hardware required

Door 110.1 Not listed with the hardware schedule; on door schedule as hardware set 39.0
HW Set 39.0 is correct.

Door 107AA.1 Listed on door schedule as a pair; hardware set 13.0 is for a single door
Door is a pair—add 1 magnetic lock to the HW Set 13.0.

Door 107A.1 On door schedule & hardware schedule as hardware set 15.0; on the listed openings after the hardware schedule this is listed to have hardware set 12.0
HW Set 15.0 is correct.

Door 150.2 Listed on door schedule as hardware set 1.0; on hardware schedule as hardware set 2.0
HW Set 2.0 is correct-this door does not have an automatic operator.

Door 150.4 Listed on door schedule as hardware set 1.0; on hardware schedule as hardware set 2.0
HW Set 2.0 is correct-this door does not have an automatic operator.

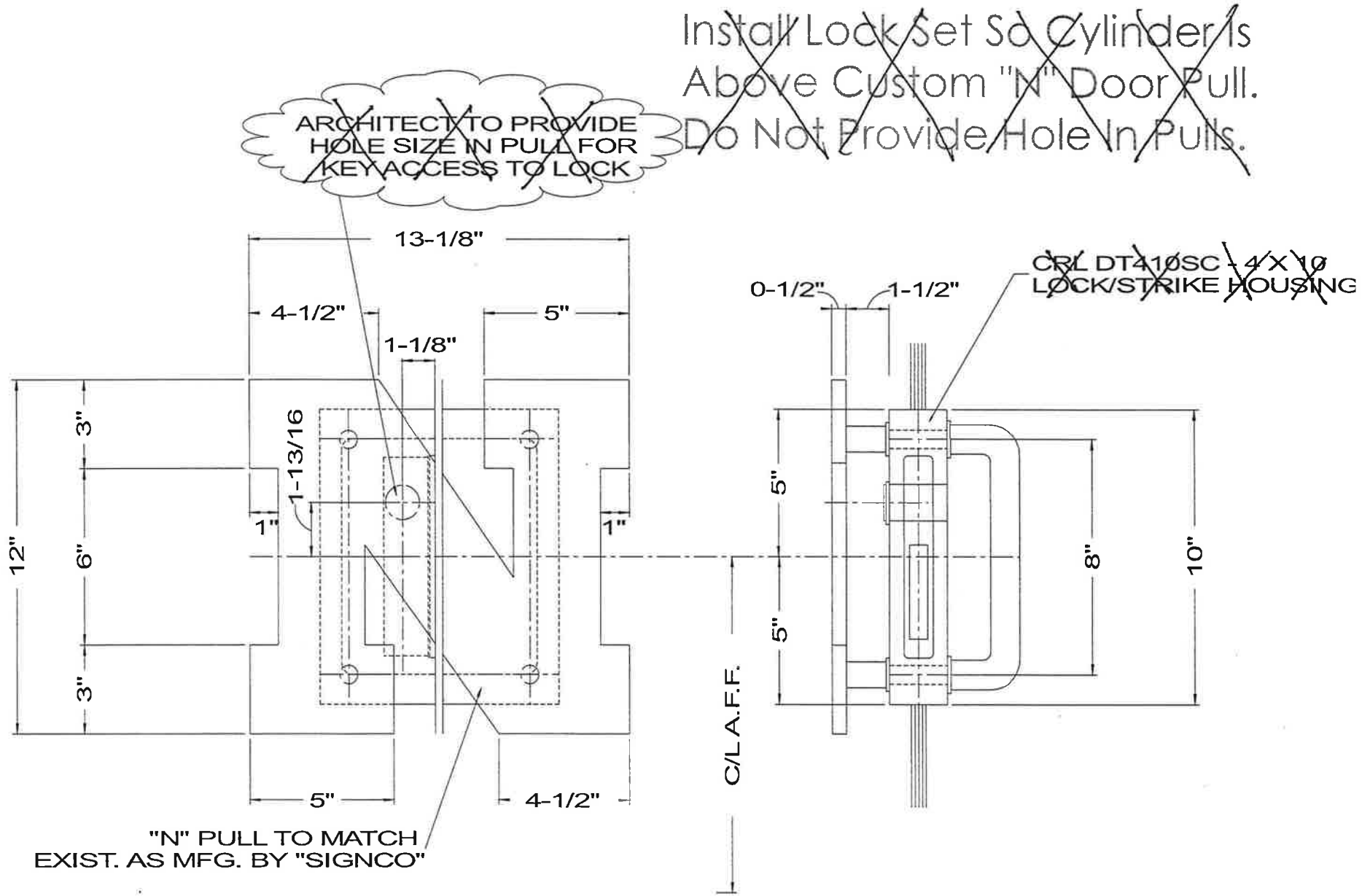
Door 162A.1 On door schedule as hardware set 31.0; on hardware schedule as hardware sets 28.0 and 31.0
HW Set 28.0 is correct—the IT Room door is to have a prox. reader.

Door 252.4 On door schedule as hardware set 2.0; on hardware schedule as hardware sets 2.0 and 3.0
HW Set 2.0 is correct—this door does not have an automatic operator.

Door 309.1 Not on door schedule or hardware schedule
This door does not exist—delete from opening list.

Door 430.1 Not on hardware schedule; on door schedule as hardware set 44.0; on listed openings after the hardware schedule this is listed to have hardware set 16.0
HW Set 16.0 is correct.

Door 430.2 Not on hardware schedule; on door schedule as hardware set 44.0; on listed openings after the hardware schedule this is listed to have hardware set 16.0
HW Set 16.0 is correct.



N

11/2 DETAIL @ "N" DOOR PULL

.1 the Contractor has fully performed the Contract except for the Contractor's responsibility to correct Work and to satisfy other requirements, if any, which extend beyond final payment; and

.2 a Certificate of Final Completion has been issued by the Owner.

§ 4.2.2 The Owner's final payment to the Contractor shall be made no later than forty-five (45) days after the issuance of the Architect's final Certificate of Completion and Contractor's fulfillment of all remaining requirements of the Contract Documents.

ARTICLE 5 TIME OF COMMENCEMENT AND COMPLETION

§ 5.1 The date of commencement shall be as set forth in a written notice to proceed issued by the Owner. The Contractor shall commence the Work required by the Contract Documents within ten (10) consecutive calendar days after the date of issuance of written Notice to Proceed from the Owner, unless otherwise stated in such notice to proceed. The Contractor shall substantially complete all work required by the Contract Documents not later than 2:00 o'clock p.m. of the day that is <<number of days from bid form_____>> calendar days from the date of commencement **or by August 15, 2014 whichever is earliest**.

(If a Final Completion Date is applicable to this Contract, specify here the Final Completion Date)

The Contractor shall finally complete all work required by the Contract Documents not later than 2:00 o'clock p.m. of the day that is **ninety (90)** calendar days from the date established above for substantial completion, or as follows: *(Insert here any alternate method of specifying Final Completion Date if number of calendar days is not used)*

_____ *(date)*

Such time period shall be the Contract Time for Final Completion.

§ 5.2 The Substantial and Final Completion dates may be changed only by issuance of change order. All change orders on this project must define any changes in the stipulated completion date which may be caused by the changes in the work authorized by the change order.

§ 5.3 The date of Substantial Completion of Work or designated portion thereof is the Date certified by the Architect and **Owner's Representative** pursuant to § 9.8 of the General Conditions. The Contract Time shall be measured from the time of commencement.

§ 5.4 Liquidated Damages. Contractor and Owner agree that the following methods of calculating and determining Owner's damages resulting from Contractor's failure to achieve completion within the Contract Time: (*Check applicable provision below)*

_____ Actual damages incurred by Owner as a result of delay in achieving Substantial Completion and, if applicable, Final Completion. *(No liquidated damages apply.)*

If liquidated damages apply to this Contract, check one of the provisions, below, to specify liquidated damages amounts:

_X___ Liquidated damages for delay in achieving Substantial Completion, as set forth in section 5.4.1 and 5.4.2 of this Agreement.

_X___ Liquidated damages for delay in achieving Final Completion, as set forth in sections 5.4.1 and 5.4.3 of this Agreement.

_____ Liquidated damages for delay in achieving Substantial Completion and liquidated damages for delay in achieving Final Completion, as set forth in sections 5.4.1 and 5.4.4 of this Agreement.

§ 5.4.1 Contract Time Is of the Essence. Contractor acknowledges, recognizes, and agrees that (1) time is of the essence of this Agreement, (2) the Owner is entitled to full and beneficial occupancy and use of the completed Work following expiration of the Contract Time, and (3) if the Contractor fails to complete substantially, or cause substantial completion of any portion of the Work within the Contract Time, the Owner will sustain extensive damages and serious loss as a result of such failure. The exact amount of such damages will be extremely difficult, if not impossible, to ascertain. Accordingly, if Contractor fails to achieve Substantial Completion or Final Completion of the Work, or both, within the Contract Time, as required by this Agreement, Contractor shall be liable to Owner for Liquidated damages for unexcused delay as provided herein.

§ 5.4.2 For Delay In Substantial Completion of Phase 3 (No later than August 20, 2013). If the Contractor fails to achieve Substantial Completion of the Work within the Contract Time, the Owner shall be entitled to retain or recover from the Contractor as liquidated damages and not as a penalty, the sum of **Fifteen Thousand dollars** (U.S.) **($15,000.00) per Scheduled game** commencing upon the first day following expiration of the Contract Time and continuing until the actual date of Substantial Completion. Contractor and Owner agree that all amounts payable hereunder by Contractor shall be payable, not as a penalty, but as liquidated damages representing an estimate of delay damages likely to be sustained by Owner, estimated at the time of executing this Agreement, as a result of delayed completion of the Work. When Owner reasonably believes that Substantial Completion will be inexcusably delayed, Owner shall be entitled, but not required, to withhold from any amounts otherwise due Contractor an amount then believed by Owner to be adequate to recover liquidated damages applicable to the delay in achieving Substantial Completion, or any part thereof. Any liquidated damages not so withheld shall be payable by Contractor to Owner upon demand by Owner plus interest from the date of demand at the highest legal rate.

§ 5.4.3 For Delay in Final Completion. If the Contractor fails to achieve Final Completion of the Work within the Contract Time specified in section 5.1 for Final Completion, the Owner shall be entitled to retain or recover from the Contractor as liquidated damages and not as a penalty, the sum of **$300.00 Dollars (U.S.) per calendar day** commencing upon the first day following expiration of the Contract Time specified for Final Completion and continuing until the actual date of Final Completion. Contractor and Owner agree that all amounts payable hereunder by Contractor shall be payable, not as a penalty, but as liquidated damages representing an estimate of delay damages likely to be sustained by Owner, estimated at the time of executing this Agreement, as a result of delayed Final Completion of the Work. When Owner reasonably believes that Final Completion will be inexcusably delayed, Owner shall be entitled, but not required, to withhold from any amounts otherwise due Contractor an amount then believed by Owner to be adequate to recover liquidated damages applicable to the delay in achieving Final Completion, or any part thereof. Any liquidated damages not so withheld shall be payable by Contractor to Owner upon demand by Owner plus interest from the date of demand at the highest legal rate.

§ 5.4.4 For Both Delay In Substantial Completion and For Delay In Final Completion. If the Contractor fails to achieve Substantial Completion of the Work within the Contract Time for Substantial Completion, the Owner shall be entitled to retain or recover from the Contractor as liquidated damages and not as a penalty, the sum of _____ Dollars (U.S.) ($_____) per calendar day commencing upon the first day following expiration of the Contract Time for achieving Substantial Completion and continuing until the actual date of Substantial Completion. In addition to any liquidated damages for delay in achieving Substantial Completion, if the Contractor fails to achieve Final Completion of the Work within the Contract Time specified for Final Completion, the Owner also shall be entitled to retain or recover from the Contractor as liquidated damages and not as a penalty, the sum of _____ Dollars (U.S.) ($_____) per calendar day commencing upon the first day following expiration of the Contract Time specified for Final Completion and continuing until the actual date of Final Completion.

Contractor and Owner agree that all amounts payable hereunder by Contractor shall be payable, not as a penalty, but as liquidated damages representing an estimate of delay damages likely to be sustained by Owner, estimated at the time of executing this Agreement, as a result of delayed Substantial and Final Completion of the Work. When Owner reasonably believes that Substantial or Final Completion will be inexcusably delayed, Owner shall be entitled, but not required, to withhold from any amounts otherwise due Contractor an amount then believed by Owner to be adequate to recover liquidated damages applicable to the delay in achieving Substantial and/or Final Completion, or any part thereof. Any liquidated damages not so withheld shall be payable by Contractor to Owner upon demand by Owner plus interest from the date of demand at the highest legal rate.

SECTION 126100 - FIXED AUDIENCE SEATING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes fixed audience seating.

B. Related Sections:

1. Section 096900 “Access Flooring” to receive fixed audience seating.

1.3 COORDINATION

A. Coordinate installation of seating with other trades. Note some of the seating is to be installed in the Access Flooring Systems as specified in Section 096900. The seating cannot be anchored directly to the access floor panels. The seats will need to be through-bolted or attached is another manner approved by both the seating supplier and the access flooring supplier.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of components, and finishes for fixed audience seating.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

1. Seating Layout: Show seating layout, aisle widths, aisle-end alignment or stepping, row-lettering and chair-numbering scheme, chair widths, and chair spacing in each row.
2. Accessories: Show locations and features of accessories, including fixed tables, and accessibility provisions.

C. Samples for Initial Selection: For each type of exposed color, finish, texture, and pattern indicated.

1. Include Samples of accessories involving color and finish selection.

D. Mockup Sample for Verification: Build mockup sample to verify selections made under Sample submittals, demonstrate aesthetic effects, and set quality standards for fabrication and installation.

1. Sample: Provide one full-size seat unit.
2. Approval of mockup does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
3. Subject to compliance with requirements, approved mockup may become part of the Work.

1.5 INFORMATIONAL SUBMITTALS

A. Product Certificates: For each type of fixed audience seating.

B. Material Certificates: For each type of flame-retardant treatment of fabric.

C. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For fixed audience seating to include in operation and maintenance manuals.

1. In addition to items specified in Section 017823 "Operation and Maintenance Data," include the following:

a. Maintenance of self-rising seat mechanisms, folding armrests, and other operating components.
b. Adjustment of self-rising seat mechanisms to align seats.
c. Methods for maintaining upholstery fabric.
d. Precautions for cleaning materials and methods that could be detrimental to seating finishes and performance.

1.7 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials from the same production run that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Chair Seats and Backs: 2 each chair seat and back.

1.8 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of fixed audience seating that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures including standards, beams, and pedestals.
b. Faulty operation of self-rising seat mechanism.
c. Wear and deterioration of fabric and stitching beyond normal use.
d. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

2. Warranty Periods: As follows, from date of Substantial Completion.

a. Structural: Five years.
b. Operating Mechanisms: Five years.
c. Plastic, Wood, and Paint Components: Five years.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Source Limitations: Obtain each type of seating required, including accessories and mounting components, from single source from single manufacturer.

1. Upholstery Fabric: Obtain fabric of a single dye lot for each color and pattern of fabric required.

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics of Upholstered Chairs:

1. Fabric: Class 1 according to DOC CS 191-1953 or 16 CFR 1610, tested according to California Technical Bulletin 117.
2. Padding: Comply with California Technical Bulletin 117.
3. Full-Scale Fire Test: Comply with California Technical Bulletin 133.

B. Strength and Durability Performance: Chairs and components shall pass testing according to BIFMA X5.4.

2.3 FIXED AUDIENCE SEATING

A. Fixed Audience Seating: Assembly-space seating in permanent arrangement as shown on Drawings.

1. Basis-of-Design Product: Subject to compliance with requirements, provide American Seating Stellar Series high back as specified, or comparable product by one of the following:

a. Irwin Seating Company.
b. Interkal LLC.
c. JG Seating: Division of USSC Group.
d. Seating Concepts LLC.

B. Chair Mounting Standards: Floor attached of the following material:

1. Steel: One-piece, heavy-tube or reinforced sheet with welded mounting plate and welded connections for seat pivots, backs, armrests, and end panels.

C. Chair Mounting Pedestal: Floor-attached pedestal, manufacturer's standard.

D. End Panels:

1. Material: Clear white maple hardwood plywood with stain to match Owner’s sample.
2. Logo: Custom vinyl red “N” with white surround. Owner will provide camera ready graphic.
3. Style: Teardrop with rounded corners.

E. Fabric Upholstered Chairs:

1. Back:

a. Padding Thickness: 2 inches, minimum.
b. Outer Back Surface: Hardwood-veneer plywood, with concealed fasteners.
c. Top Corners: Rounded.
d. Upholstery Options: As selected by Owner, with Custom embossed “N” logo in backrest.

2. Seat: Two part, top and bottom construction and as follows:

a. Top Padding Thickness: Minimum 3 inches at front edges and 1-1/2 inches at rear edges.
b. Seat Bottom: Steel sheet seat pan.

F. Chair Width: Single-width chair in each row, with minimum chair width of 21 inches (533 mm) from center to center of armrests.

G. Back Height: High-style backs, 38 inches (965 mm) high.

H. Back Pitch: Variable at set angles.

I. Chair Seat Hinges: Self-lubricating, with noiseless self-rising seat mechanism passing ASTM F 851, positive internal stops cushioned with rubber or neoprene, and requiring no maintenance.

1. Self-Rising Seat Mechanism: Spring actuated, three-quarter fold with 2 independent hinge mechanisms with ability to temporarily be positioned to full fold when manually rotated by the occupant. No other mechanism is acceptable.

J. Armrests: Clear Maple with finish to match Owner's sample with rounded edges and concealed mounting.

1. Armrests shall be provided with integral cup holders.

K. Fixed Table Arm: Fixed table arm to be installed between pairs of seats as indicated on the Drawings with plastic-laminate surface over medium-density fiberboard or plywood core and with rounded, matching PVC edges.

1. Size: 10" wide by 18" depth (approx. –field verify width and depth.)
2. Laminate: Wilson Laminate #7909-60 "Fusion Maple".

L. Accessible Seating:

1. Provide removable skid-mounted seats (2) for each wheelchair space unless otherwise indicated.

2.4 MATERIALS AND FINISHES

A. Composite Wood Products:

1. Medium-Density Fiberboard: ANSI A208.2, Grade MD.
2. Concealed Plywood: HPVA HP-1 hardwood plywood or DOC PS 1 softwood plywood as standard with manufacturer.
3. Exposed Plywood: HPVA HP-1, Face Grade A, hardwood-veneer core with color-matched hardwood-veneer faces.

B. Hardwood Lumber and Veneer Faces: Maple selected to be free of visible defects.

1. Stain and Finish: Match Owner's sample.

C. Plastic Laminate: NEMA LD 3, Grade VGS for vertical surfaces and Grade HGS for horizontal surfaces.

D. Fabric:

1. Anzea, Udderlyu Fantastic 7238, color: Black Beauty 20.
2. Custom embossed "N" logo: Artic 5803 "Red".

E. Upholstery Padding: Flexible, cellular, molded or slab polyurethane foam.

F. Metal Finish: Finish exposed metal parts with manufacturer's standard coating.

1. Color: Black.

2.5 FABRICATION

A. Floor Attachments: Fabricate to conform to floor slope so that standards and pedestals are plumb and chairs are maintained at same angular relationship to vertical throughout Project.

B. Upholstery: Fabricate fabric-covered cushions with molded padding beneath fabric and with fabric covering free of welts, creases, stretch lines, and wrinkles. For each upholstered component, install pile and pattern run in a consistent direction.

C. Upholstered Chairs: Fabricate as follows:

1. Two-Part Upholstered Back: Padded cushion glued to a curved steel, plywood, or molded-plastic inner panel and covered with easily replaceable fabric; with curved outer back shell that fully encloses upholstery edges.
2. Two-Part, Steel-Pan Seats: Upper part, an upholstered cushion with molded padding over no fewer than five serpentine springs attached to reinforced steel frame, with weight-distributing and abrasion-resistant sheeting separating padding from springs, and removable for reupholstering without removing steel pan from chair. Lower part, a steel pan, reinforced at stress points and completely enclosing hinges and self-rising mechanism.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine floors, risers, and other adjacent work and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.

1. Verify conditions and availability of access to underside of Access Flooring System for attachment of fixed seating to flooring panels per the approved installation method.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install seating in locations indicated and fasten securely to substrates according to manufacturer's written installation instructions.

1. Install fixed audience seating with each chair capable of complying with performance requirements without failure or other conditions that might impair the chair's usefulness.
2. Install standards and pedestals plumb.
3. Install seating so moving components operate smoothly and quietly.

B. Install fixed sudience seating in access flooring system as per approved method by seating and flooring suppliers.

C. Install seating in spacing to optimize sightlines.

3.3 FIELD QUALITY CONTROL

A. Perform the following tests and inspections with the assistance of a factory-authorized service representative:

1. Inspect components, assemblies, and equipment, including connections, to verify proper, complete, and sturdy installation according to manufacturer's written instructions and product specifications.
2. Verify that seats return to correct and uniform at-rest position.

B. Fixed audience seating will be considered defective if it does not pass tests and inspections.

3.4 ADJUSTING

A. Adjust chair backs so that they are at proper angles and aligned with each other in uniform rows.

B. Adjust hardware and moving parts to function smoothly so they operate easily. Lubricate bearings and sliding parts as recommended in writing by manufacturer.

C. Adjust self-rising seat mechanisms so seats in each row are aligned when in upright position.

D. Repair minor abrasions and imperfections in finishes with coating that matches factory-applied finish.

E. Replace damaged and malfunctioning components that cannot be acceptably repaired.

F. Replace upholstery fabric damaged during installation or work of other trades.

END OF SECTION 126100

DATE ISSUED	April 11, 2012	ADDENDUM #	3
ENGINEER	Engineering Technologies, Inc. 825 M Street, Suite 200 Lincoln, NE 68508	PROJECT	UNL Devaney Center Improvement Project
		ETI PROJECT #	2011-016

The Architect issues this Addendum to all known bidders before receipt of proposals. Bidder shall acknowledge the receipt of this addendum on their proposal sheet and all information contained herein shall become a part of the contract documents.

ADDENDUM:

PRIOR APPROVAL – MECHANICAL

1. The following manufacturers have received prior approval for bidding purposes subject to shop drawing review:

	Equipment	Manufacturer	Approval
A.	Air Handling Units	Alliance Air	Approved
B.	Air-to-Air Energy Recovery Units	Alliance Air	Approved
C.	Centrifugal Return Fans	Loren Cook	Not Approved
D.	Duct Silencers	Aerosonics	Approved
		Commercial Acoustics	Approved
		Price Industries	Approved
E.	Louvers	Greenheck	Approved
		Louvers & Dampers	Approved
		United Enertech	Not Approved
F.	Kitchen Hoods	Captiveaire	Approved
G.	Exhaust Fans	Aerovent	Approved
		Jenco/Soler Palau	Not Approved
H.	Spiral Duct	S.E.T. Duct MFG	Not Approved
		Spiral Pipe of Texas	Approved
I.	VAV Terminal Units	Price Industries	Approved
J.	Expansion Tanks	Patterson	Approved
K.	Suction Diffusers	Patterson	Approved
		Armstrong	Approved
L.	Air/Dirt Separators	Thrush	Approved
M.	Flow Controls	Flow Design	Approved
		Pro-Hydronic Specialties	Approved
N.	Bypass Chemical Feeder	General Treatment Products	Approved
O.	Cabinet Unit Heaters	Vulcan	Approved
P.	Unit Heaters	Vulcan	Approved
Q.	Finned Tube	Vulcan	Approved
R.	Sump Pump	Hydromatic	Approved
S.	Zurn	Plumbing Fixtures	Approved
T.	Expansion Joints	Minnesota Flexible Corp.	Approved

LINCOLN: 825 M Street, Suite 200, Lincoln, NE 68508 P 402.476.1273 F 402.476.1274
OMAHA: 4559 S. 133rd Street, Omaha, NE 68137 P 402.330.2772 F 402.330.2630

SPECIFICATIONS – MECHANICAL

1. Section 23 0593 – TESTING, ADJUSTING, AND BALANCING
   A. Add Article 1.04 to read as follows:

1.04 RELATED WORK BY OTHERS

A. The Owner will be contracting with an Independent Testing Agency to provide the Special Inspections for the smoke evacuation system as per the requirements of the 2009 International Building Code sub-sections 909.18.8.1. and 1704.16. This includes testing during erection of ductwork and prior to concealment for the purposes of leakage testing and recording of device locations; and prior to occupancy and after sufficient completion for the purposes of pressure difference testing, flow measurement, flow measurements and detection and control verification.

B. The Contractor shall coordinate and notify the Owner in advance of the schedule for the required testing. The Contractor shall allow the inspectors access to scaffolding and work areas as needed to perform tests and inspections. The Contractor shall assist the inspectors with the operation of the equipment to be tested. Retesting of the system that fails to meet the specified requirements shall be done at the Contractor's expense.

C. The smoke control system also requires system acceptance per IBC 909.19 by the appropriate code officials to determine that the requirements for the system have been fully met and that the Owner and fire department have received satisfactory instruction on the operation of the system. The Contractor shall assist in scheduling and facilitating the system acceptance procedures.

D. The Contractor is responsible for the Identification and Documentation of the smoke control system and its components as per the requirements of IBC 909.18.9. This includes locating each component, describing its proper function and maintenance requirements, and identifying each device with an approved tag or marks consistent with the other required system documentation. This documentation shall be provided to the Owner for inclusion with the other system information to be maintained on file at the building.

2. Section 23 3100 – HVAC DUCTS AND CASINGS
   A. Add the following paragraphs under section 2.03

1) Seal all joints in rectangular ductwork with one of the following products/systems:
   a. Ward Industries, Inc., Class "J", "H", or "E"
   b. Durabond CMC water based sealant by USG Industries
   c. Foster 30-20
   d. DuctMate Industries #795
   e. Marathon Industries 4500R #451
   f. Hardcast Inc., Iron Grip Water Based Sealant #601
   g. Sheet Metal Connectors, Inc., "TDC" System

2) Round concealed sheet metal ducts shall be galvanized steel with longitudinal seam (or at the contractors option spiral duct may be used) and shall be snaplock construction or screwed/pop riveted together at a minimum of three or more places as required at all joints. Round offsets shall be made with two pieces pressed solid welded elbows, 45 degree or 90 degree, sheet metal connector or equal. Adjustable elbows are not acceptable unless previously approved by engineer. Joints shall then be covered with two layers of aluminum duct tape. Gages of round ductwork shall be as follows:
   a. Up through 12" 26 gauge
   b. 13" through 18" 24 gauge
   c. 19" through 28" 22 gauge
   d. 29" through 36" 20 gauge
   e. 37" through 52" 18 gauge

3) Exposed Spiral Ductwork: Furnish and install exposed steel spiral ductwork as shown on the drawings and as specified hereinafter. All ductwork shall be manufactured by Norlock Metal Products Company, Sheet Metal Connectors, or approved equal as specified in the following table and shall contain a self-sealing double lipped rubber gasket and shall be constructed of paintgrip material:
   1. 3" through 8" 26 gauge
   2. 9" through 14" 24 gauge
   3. 16" through 22" 22 gauge
   4. 24" through 28" 20 gauge
   5. 30" and larger 18 gauge

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B. Revise paragraph B, in section 3.01 to read as follows:
   1) Horizontal ducts shall be hung and supported per SMACNA requirements.

3. Section 23 7223 – AIR HANDLING UNIT AIR-TO-AIR ENERGY RECOVERY UNITS
   A. Add the following manufacturers to section 2.01
      1) Alliance Air
      2) Trane Custom Climate Changer

4. Section 23 7313 – MODULAR CENTRAL-STATION AIR-HANDLING UNITS
   A. Add the following manufacturers to section 2.01
      1) Alliance Air
      2) Trane Custom Climate Changer

DRAWINGS – MECHANICAL

1. Sheet M204 – Pool Level Plan – Mechanical
   A. This sheet was inadvertently left out. See attachments 1M, 2M, 3M, and 4M for further detail.

DRAWINGS – ELECTRICAL

1. Sheet E300.B – Arena Level Power Plan – Area B
   A. Volleyball Lockers 107A – Circuit Hydration Station, located on east wall north of door 107A.1, to spare 20A/1P breaker in Panel LB1A.
   B. Arena 130 – Panel LA1B is to be flush mounted cut and patch existing block wall as required to match existing finishes.

2. Sheet E302.B – Seating Level Power Plan – Area B
   A. Work 347 – Circuit Hydration Station, located on west wall north of door 347.1, to spare 20A/1P breaker in Panel LA3B.

3. Sheet E700 – Electrical Schedules
   A. Equipment Connection Schedule: PTHP (Packaged Terminal Heat Pump) shall be changed to TTWHP (Thru the Wall Heat Pump).

4. Sheet E701 – Electrical Schedules
   A. Existing Switchboard MSA:
      1) Switchboard is manufactured by Cutler Hammer
      2) Circuit #13 (spare) – Breaker shall be moved in the field to Switchboard MSC.
      3) Circuit #21 – Provide solid state type breaker with ground fault protection location.
   B. Existing Switchboard MSC:
      1) Switchboard is manufactured by Cutler Hammer
      2) ATS #3 shall be connected to circuit #16, 100A, 3-pole solid state breaker, with ground fault.
      3) Circuit #26 (XFMR T-DLC-1): Breaker shall be relocated from Switchboard MSA in lieu of provided new.
      4) Move feeder for Panel HC1A to Circuit #2 with 225A, 3-pole breaker. Feeder shall be 4-#4/0 AWG & #4 ground in 2½" conduit. Circuit #10 shall become a spare.
   C. Distribution Panel DHB1: Panel is 65 kAIC rated.
   D. Distribution Panel DLB1: Circuit #1 (Panel LB1A) – Change breaker to 200A, 3-pole, and feeder to 4-3/0 AWG & #6 AWG ground in 2" conduit.
   E. Distribution Panel DLC1: Circuit #7 (Panel LC1C) – Change breaker to 125A, 3-pole and feeder to 4-#1 AWG & #6 AWG ground in 1½" conduit.
   F. Distribution Panel DLD1:
      1) Circuit #2 (Panel LD1B) Change breaker to 100A, 3-pole and feeder to 4-#3 AWG & #8 AWG ground in 1¼" conduit.
      2) Circuit #4 (Panel LD2A) Change breaker to 100A, 3-pole and feeder to 4-#3 AWG & #8 AWG ground in 1¼" conduit.
   G. Panel EHD1:
      1) Panel EHA1, Circuit 7 – Change to 125A, 3-pole subfeed breaker.
      2) Panel EHC1, Circuit 13 – Change to 125A, 3-pole subfeed breaker.
      3) T-ELD1, Circuit 19 – Change to 25A, 3-pole breaker.
   H. Panel ELA1: Panel ELA1 – Add three (3) spare 20A, 1-pole breakers.
   I. Panel HA1A:
      1) Change Panel to 125A Main Lugs
      2) Change Panel to 30 poles.
   J. Panel HA3A: Circuit #1 (T-LA3A) change breaker to a 175A, 3-pole subfeed.
   K. Panel HC1A: Change Panel to 250A Main Lugs.
   L. Panel HD4A: Circuit #25 (T-LD4A) breaker shall be 45A, 3-pole.
   M. Delete Panel Schedule ED1L

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5. Sheet E702 – Electrical Schedules
   A. Panels LA1A, LB1A: Shall be surface mounted.
   B. Panel LA1B: Change panel to 125A main lugs.
   C. Panel LA3A:
      1) Circuit #79 (Panel LA3B) Change breaker to 100A, 3-pole.
      2) Panel shall be surface mounted.
   D. Panel LA4A: Shall be 10 kAIC rated.

6. Sheet E802 – Emergency System Electrical Riser Diagram
   A. Add Sheet Note 23 to read "4-1/0 AWG conductors, #6 AWG ground in 2" conduit.
   B. Panel EHA1 and EHC1 Feeders change to Sheet Note 23.

7. Sheet E803 – Electrical One-Line Diagram
   A. Delete Panel HD2A.
   B. Change Sheet Note 13 to read "3-2/0AWG conductors, #6 ground in 2" conduit.
   C. Change Sheet Note 14 to read "4-500 MCM & #3 AWG ground in 3" conduit.
   D. Transformer feeding Panel LA4A shall be labeled 'T-LA4A'. Bond secondary of transformer to structural steel (Sheet Note 1).
   E. Transformer T-LB4A, Panels LB4A, and TR-MCC-1A are existing.
   F. Feeder to Panel LA1A Section 2 shall be 4-1/0 AWG & #6 in 1 ½" conduit.
   G. Feeder to Panel LA2A Section 2 shall be 4-3/0 AWG & #6 in 2' conduit.
   H. Add Panel LA3B. Panel shall be fed from Panel LA3A with feeder as indicated by Sheet Note 15.

8. Sheet E804 – Electrical One-Line Diagram
   A. Transformer T-L-PT and Panel L-PT are existing,
   B. Add Sheet Note 12 to read "3- #8 AWG conductors, #10 ground in ¾" conduit.
   C. Feeder to XFMR T-LD4A, add Sheet Note 12.

END OF ADDENDUM

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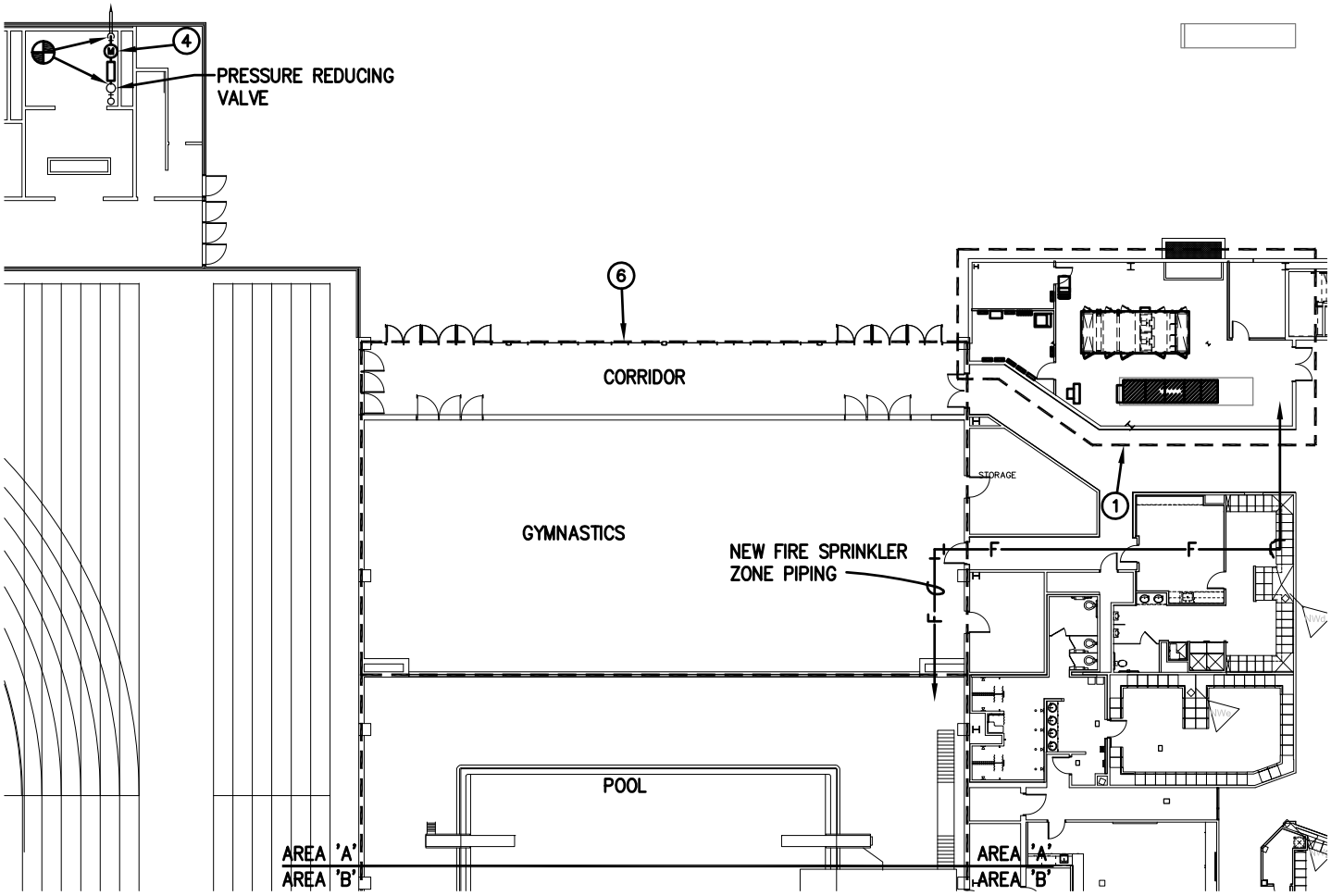


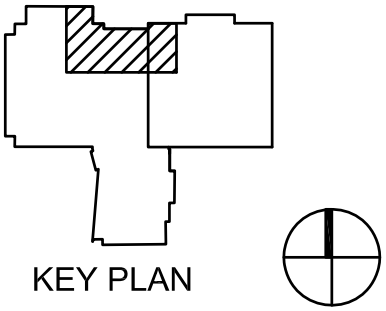
GENERAL NOTES

A. FIRE SPRINKLER SYSTEM PIPING AND SPRINKLER HEADS SHALL BE MODIFIED/MOVED AS REQUIRED FOR NEW ROOM LAYOUTS AND COVERAGE THROUGHOUT FACILITY PER NFPA 13.

B. SEE ARCHITECTURAL SPECIFICATIONS FOR PHASING.

(#) SHEET NOTES

1. SEE ENLARGED NORTHWEST MECHANICAL ROOM–MECHANICAL ON SHEET M400.
2. PROVIDE NEW FIRE SPRINKLER ZONE IN THIS AREA.
3. THIS AREA IS TWO FLOORS. PROVIDE FIRE SPRINKLER COVERAGE IN BOTH FLOORS.
4. SEE DOMESTIC WATER METER/BACKFLOW PREVENTER DETAIL ON THIS SHEET. VERIFY EXACT LOCATION OF WATER SERVICE.
5. REMOVE EXISTING WATER METER AND PIPING TO EXTENT SHOWN.
6. GYMNASTICS AND CORRIDOR TO BE PROVIDED WITH FULL FIRE SPRINKLER COVERAGE.



KEY PLAN

DEVANEY SPORTS CENTER
POOL LEVEL PLAN - MECHANICAL

SCALE: 1/32" = 1'-0"

ADDENDUM #3

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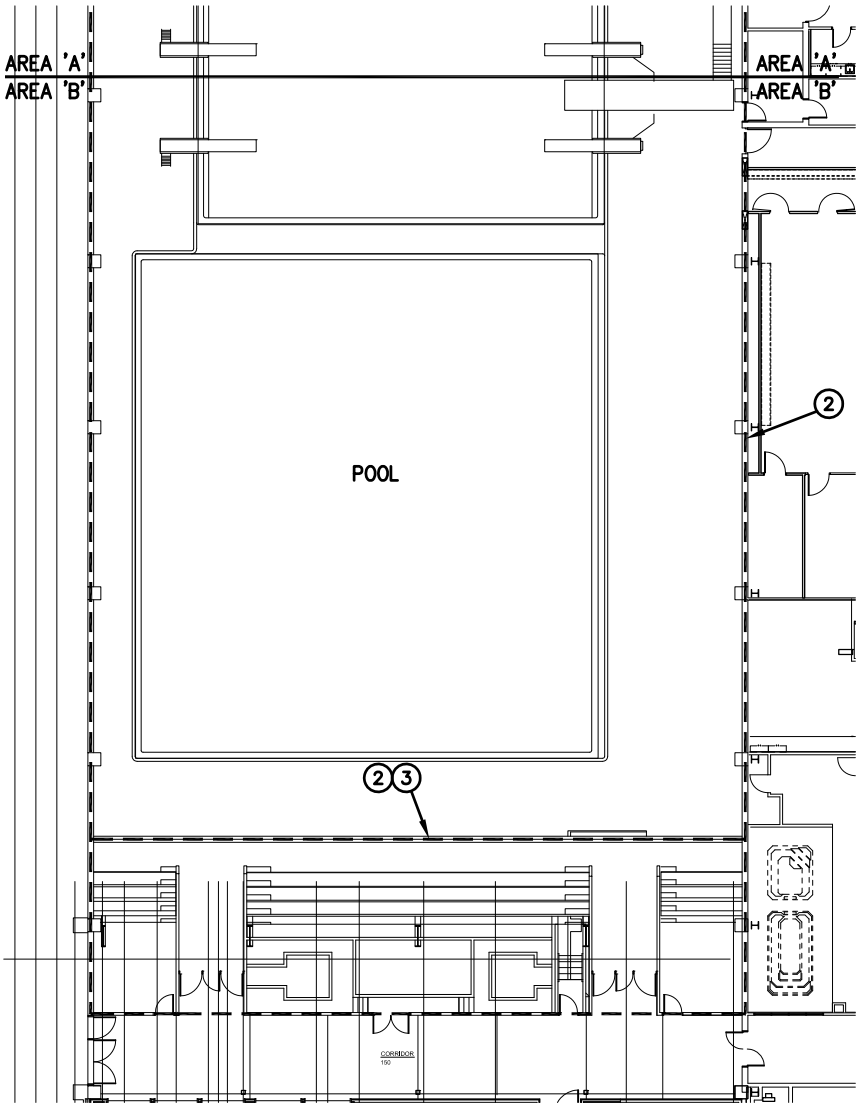
SHEET M204

ATTACHMENT NO. 1M

SP



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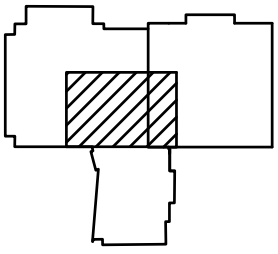

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DEVANEY SPORTS CENTER
POOL LEVEL PLAN - MECHANICAL

SCALE: 1/32" = 1'-0"

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SHEET
M204

ATTACHMENT NO.
2M

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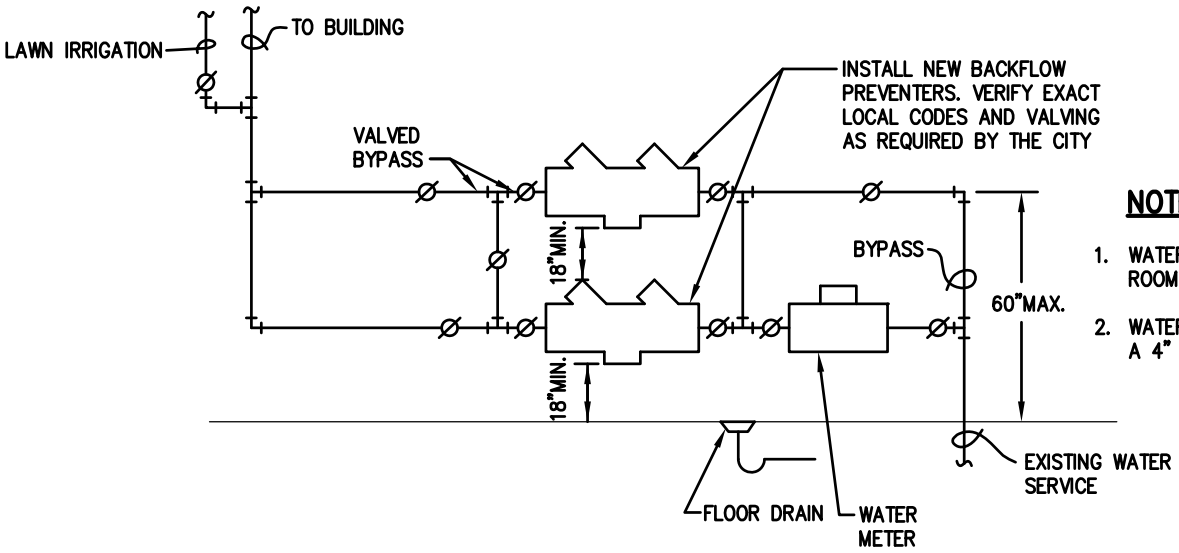


NOTES

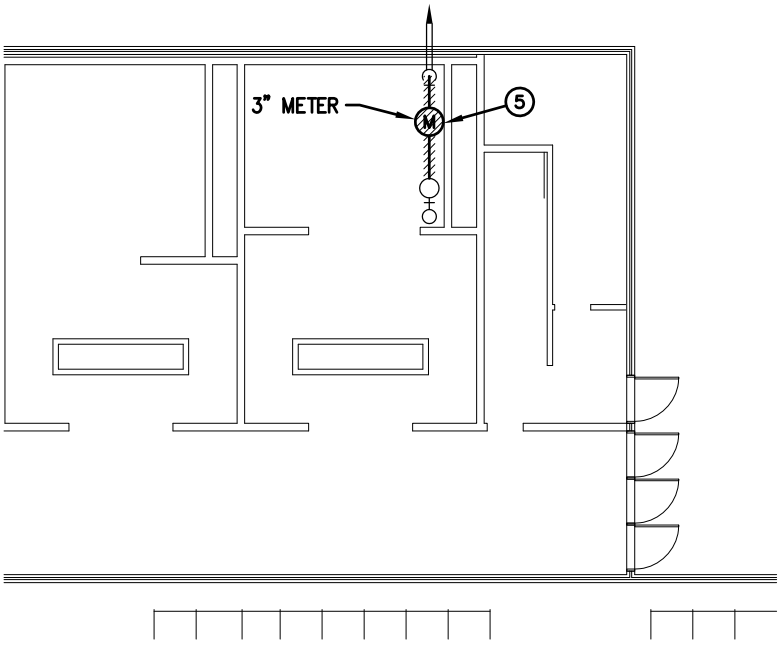
1. WATER SERVICE IN NORTHWEST MECHANICAL ROOM 138 IS A 6" SERVICE.
2. WATER SERVICE IN THE TRACK AREA IS A 4" SERVICE.

DOMESTIC WATER METER/ BACKFLOW PREVENTER DETAIL

NO SCALE

(#) SHEET NOTES

5. REMOVE EXISTING WATER METER AND PIPING TO EXTENT SHOWN.



TRACK LEVEL PLAN - DEMOLITION

SCALE: 1/16" = 1'-0"

DEVANEY SPORTS CENTER

POOL LEVEL PLAN - MECHANICAL

SCALE: 1/16" = 1'-0" | ADDENDUM #3

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SHEET M204

ATTACHMENT NO. 3M

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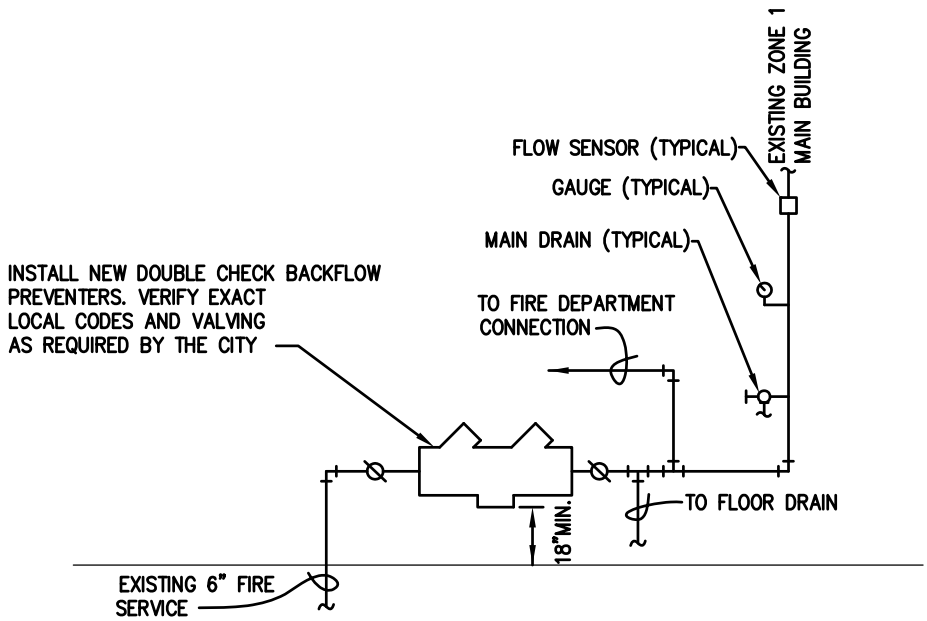
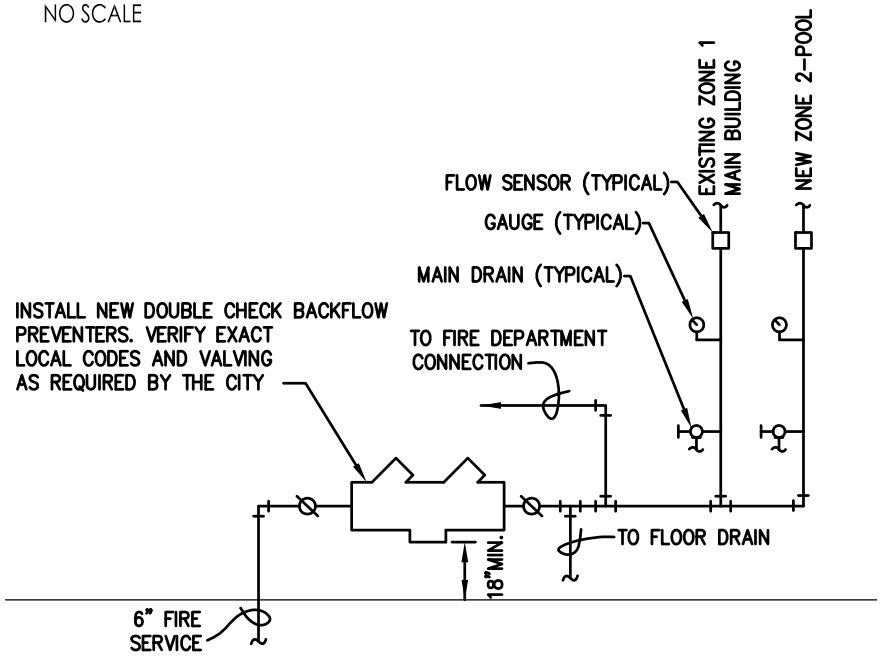


NORTHWEST FIRE SERVICE ENTRANCE DETAIL

NO SCALE



NORTHEAST FIRE SERVICE ENTRANCE DETAIL

NO SCALE

DEVANEY SPORTS CENTER

POOL LEVEL PLAN - MECHANICAL

SCALE: 1/32" = 1'-0"

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SHEET
M204

ATTACHMENT NO.
4M

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