

ADDENDUM NO. 3

PROJECT NAME: East Campus Recreation Center Renovation and Addition
UNL PROJECT NUMBER: A016P039
BID INVITATION NUMBER: 2237-13-7200

CONSULTANT: Sinclair Hille & Associates, Inc.
ADDRESS: 700 Q Street
Lincoln, NE 68508

SUB-CONSULTANTS: 360 Architecture – Sports Architecture Consultant
Engineering Technologies, Inc. – Mechanical / Electrical Engineers
Nielsen-Baumert Engineering – Structural Engineers
Olsson Associates – Civil Engineering
Vireo – Landscape Architecture
Foodlines – Kitchen Consultant
FP& C – Code Consultant

DATE OF ISSUANCE: Monday, September 30, 2013

DATE OF BID OPENING: Tuesday, October 8, 2013
(REVISED) 4:00 PM CT

The bid documents, plans dated 8/21/13 and project manual dated 8/25/13, for the above referenced project are amended by this addendum. **The date and time of the bid opening is revised by this addendum to be Tuesday, October 8, 2013 at 4:00 PM CT.**

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

ADD 3-1. KEYNOTES

If a discrepancy occurs with a keynote description on the architectural sheets, the description as shown on the Cover Sheet shall take precedence.

ADD 3-2. ALTERNATES

Alternates section has been modified as part of this Addendum. Contractor shall note that the wording of these alternates has been modified so that all alternates being bid are assumed to be an ADD Alternate. No Deduct alternates exist in the

project. Contractor should note that DRAWINGS HAVE NOT BEEN MODIFIED to reflect the new wording of these alternates.

ADD 3-3. Masonry and Stone Cleaning

It is not anticipated that the entire building will require cleaning. Of particular concern are those areas along the east façade where the stone has been stained. In general, the vast majority of the existing masonry is in fairly good condition. Contractor should include sufficient dollars in their bid to address the cleaning of the east façade and portion of the northeast corner where staining appears to be significant.

GENERAL QUESTIONS AND CLARIFICATIONS

ADD 3-4. Geotechnical Engineering Report regarding desiccated soils.

Question: *After reading through the Geotechnical Engineering Report, we are confused regarding the extent of desiccated soils and whether or not they need to be removed and replaced in some areas. Can we get a clearly defined scope of work regarding desiccated soils?*

Response: The heart of what is anticipated for soil preparation requirements at the new addition is found on page 8, paragraphs 3 and 4 of the Geotechnical Engineering Report.

Utilization of helical piers, as discussed in Article 4.3.4 of the Geotechnical Engineering Report addresses how the project addresses desiccated soils within the existing building footprint.

ADD 3-5. Subdrainage.

Question: *It does not appear that any subdrainage has been noted on the plans. Is there supposed to be any at the building foundations?*

Response: No. Waterproofing is required at the elevator pit wall, mechanical pit walls and below grade walls to Mechanical 150A but no subdrainage is required.

ADD 3-6. Fire Extinguishers.

Question: *We cannot find where the fire extinguishers are located. Can you give us a quantity of these?*

Response: We are only aware of the requirement for (1) extinguisher on the project and it is associated with the Elevator Equipment Room 124. You can find the keynote 104416.A located on Detail L1/A151. Specific location of extinguisher within room to be coordinated with the elevator inspector.

ADD 3-7. Fire Protection.

Question: *It appears the existing combustible roof overhangs exceed 4'-0" and thus need to be protected. Can dry sidewalls be used to protect these or should a dry pipe system be provided?*

Response: Fire sprinkler coverage for under the exterior roof eave of the existing building shall be provided through dry sidewall sprinkler heads if required by NFPA 13. We do not believe that the code requires it up at the eave however we have not been able to confirm that with the Fire Marshal. Contractor shall bid the project as they feel necessary to provide a finished installation that is in full compliance with code.

ADD 3-8. Multi-Athletic Court Slab Depression Depth.

Question: *Do you happen to know what thickness is going to be required for the underlayment (gypcrete) in the Multi-Athletic Court Room 210?*

Response: We do not know the existing depth. Bid assumes 3" thickness. See Unit Price 4 attached to this addendum.

ADD 3-9. Keynote 102800.C.

Statement: *On Sheet A151 under Keynote Legend note 102800.C it states "Liquid Soap Dispenser – Provided by Owner Installed by Contractor". On Sheet A902 under the Keynote Legend note 102800.C states "Liquid Soap Dispenser – Provided by UNL FM&P Installed by UNL Custodial Services". Please clarify.*

Response: A handful of keynote descriptions were modified on the architectural sheets prior to the final printing. Some of those notes were associated with restroom accessories. Keynote modifications were made after we had printed some of the sheets and it appears we did not catch all of the sheets that required re-printing.

Regarding keynote 102800.C; it is to be provided by Owner and Installed by Contractor.

ADD 3-10. Masonry Restoration Allowance.

Question: *For the masonry restoration allowance, how many square feet of work does the \$20,000 include?*

Response: As part of this Addendum, the allowance is being modified to \$10,000 and work associated with masonry and stone cleaning is clarified to be part of the overall bid and not associated with this allowance.

This allowance only pertains to work that may be required for pointing of existing masonry and stone joints, replacement of damaged brick and repair to existing stone assemblies.

In general, we believe the condition of the existing masonry and stone assemblies is good. The allowance is being provided to allow for work that may be uncovered as part of the construction operations. There are also a few locations, particularly at the existing front entry, where we are certain some additional stone work will be required at the base of the stone watertables once the existing concrete steps are removed.

The existing entry façade is to be exposed to the new interior, with the finished floor elevation at a lower elevation than the current entry

elevation. It is likely that some additional work may be required to dress the remaining conditions up for exposure to the interior finished conditions.

ADD 3-11. Brick Infills.

Question: *At the brick infills, e.g. at the Outdoor Bouldering Walls area, does the brick need to be toothed in?*

Response: Brick infill conditions do NOT need to be toothed in unless specifically indicated. Refer to wall type 7a found on Sheet G100 for additional information regarding brick infill conditions. Some locations require use of salvaged brick from demolition operations.

ADD 3-12. Detail A16/A403 Masonry Flashing.

Question: *Detail indicates use of a large piece of sheet metal flashing. This would be very expensive. Would a flexible flashing be acceptable?*

Response: A flexible flashing at this condition is acceptable.

ADD 3-13. Detail A16/A404 Flexible Flashing.

Question: *Detail shows a small piece of flashing sitting outside the precast panel at the footing. Is this detail typical for the whole project? Including at the interior and exterior garage walls?*

Response: Yes, this is a typical detail at the base of the precast watertable. It is not required at "interior" conditions of Covered Parking 150.

ADD 3-14. Detail N10/A602.

Question: *There are some upholstered pads such as those called out at N10/A602. Are these Owner FF&E items?*

Response: No, those upholstered pads are to be bid and installed by the Contractor.

ADD 3-15. Stair 1 Exterior Wall Section.

Question: *The exterior wall at Stair 1 does not have a wall section. Can one of the other wall sections be indicated to apply to this location?*

Response: Section A8/A303 is a similar section. Refer to enlarged plan details for specific composition of wall assembly.

ADD 3-16. Overhead Door 104.2.

Question: *Overhead door 104.2 has a between-the-jamb mounting. Where is the detail for this?*

Response: The Basis-of-Design number indicated in the specifications for this door is Overhead Door Corporation Series 631. Series 631 is listed as a Face-of Wall Mounted door. Contractor to provide a face-of wall

mounted door as specified and shall coordinate mounting of hood with the GWB ceiling that falls to the north of the assembly.

The finished ceiling and bottom of hood are intended to be flush to one another, which will also be flush to the head of the existing masonry opening. The GWB ceiling does not have vertical side returns at the east and west end therefore it is expected that service for the door assembly can be achieved from the "side", within the Laundry room. Contractor shall coordinate installation of all overhead MEP items with this ceiling and door assembly to ensure access for maintenance is maintained.

Details for rails and installation of door assembly to existing wall are per manufacturer's standard details.

ADD 3-17. Structural Piers.

Statement: *I cannot find a schedule for the piers in the structural drawings. Let us know if one will be used.*

Response: No schedule is used. Refer to Foundation Plan Note 3 on Sheet S101 for interpretation of reference symbol. Concrete column and pilaster details associated with marks indicated are found on Detail 4/S202.

ADD 3-18. Ground Face CMU.

Question: *Does the ground face CMU require a sealer and if so what type?*

Response: Sealer is NOT required.

ADD 3-19. Section 024119.

Statement: *Article 1.8, Paragraph D.3.a refers to "Pre-renovation Environmental Survey Report", which does not appear to be in the specifications, please supply.*

Response: The survey was issued as part of Addendum #2 on 9.26.13.

ADD 3-20. Section 042000 Flexible Flashing.

Question: *Under 42000, 2.9, B, 4, the option of using a flexible flashing is discussed. Are there any particular products desired? Is Hohmann & Barnard Textroflash acceptable?*

Response: Textroflash is an acceptable product.

ADD 3-21. LEED Submittals.

Statement: *Multiple specification sections refer to "LEED Submittals", please advise if project is to be LEED certified, to what level and provide Matrix.*

Response: University policy is that construction projects are to be designed and constructed to LEED certified level standard but LEED certification is not required. LEED certification will NOT be applied for on this

project. Contractors shall perform work specified for LEED certification and shall submit LEED submittals documents for the specification sections noted. No special treatment for these submittals is required beyond requirements specified.

MODIFICATIONS TO THE DRAWINGS

ADD 3-22. Refer to the Master keynote Legend on the Cover Sheet; Add the following Keynotes:

042000.F2 8" CONCRETE MASONRY UNIT – PROVIDE HORIZONTAL REINFORCING AT 16" O.C.
083323.C INSULATED COILING SERVICE DOOR

ADD 3-23. Refer to Detail A7/G100, Wall Type 7a; Change keynote 042000.G to 042000.F2 and modify dimension at base of wall from 9 5/8" to 11 5/8".

Note that other section and detail cuts taken through masonry wall infill conditions may still use keynote 042000.G. Modification to Wall type 7a to utilize keynote 042000.F2 indicates that this keynote should also be changed at all of those other conditions where this wall type is used.

ADD 3-24. Refer to Sheet L300; There are (8) eight Shumard Red Oaks (QS) located along the south curb line of the site. At the (5) five locations that do NOT include a planting bed of Hamein Dwarf Fountain Grass (PH), the contractor shall provide a 5'-0"x5'-0" cast iron tree grate and frame as shown in Detail 6/L400.

ADD 3-25. Refer to Sheet A101, Receiving 139, Door 139.2; Replace this pair of doors with an insulated coiling service door. Add keynote 083323.C.

ADD 3-26. Refer to Sheet A201 Sheet Specific Notes; Add the following note:

NOTE 3 NEW WOOD SUPPORT BRACKET TO MATCH PROFILE OF EXISTING BRACKETS. REFER TO STRUCTURAL FOR ATTACHMENT OF BRACKET TO EXISTING WALL CONSTRUCTION. CONTRACTOR TO PAINT FINISHED WOOD ASSEMBLY AND PROVIDE BACKER ROD AND SEALANT BETWEEN BRACKET AND MASONRY WALL.

ADD 3-27. Refer to Detail H1/A201; At the northeast corner of the existing building, north façade, add a new wood bracket for support of the existing roof framing where it is cut off just east of the new stair tower (Stair 1). Attached to that new bracket, place Sheet Note 3.

ADD 3-28. Refer to Sheet A202 Sheet Specific Note 4; Add the following text to the end of the existing note:

NOTE 4 ...CONTRACTOR TO PAINT FINISHED WOOD ASSEMBLY AND PROVIDE BACKER ROD AND SEALANT BETWEEN BRACKET AND MASONRY WALL.

ADD 3-29. Refer to Detail L14/A503; Add keynote 083323.C beneath the OHC door type.

- ADD 3-30.** Refer to Door Schedule at Detail A14/A503; Change the following information associated with Door No. 139.2:
- Door Size: 5'-0"x9'-0"
Door Elevation: OHC
Door Material: AL
Frame Type: OHC
Frame Material: AL
Hardware Set: -
Notes: 6, 8
- ADD 3-31.** Refer to Sheet S102, Second Level Framing Plan; Reference the floor beams between grids '2' and '3'. The W18x55 beam that is 5'-9" north of grid 'F' shall be moved to be 5'-5" north of grid 'F'. The W18x55 beam that is 5'-9" south of grid 'K' shall be moved to be 5'-3" south of grid 'K'.
- ADD 3-32.** Refer to Sheet S310, Framing Details; Add Detail 16/S310 as shown on **Attachment S310-H.**
- ADD 3-33.** Refer to Sheet S503, Framing Details – Existing Building; Add Detail 6/S503 as shown on **Attachment S503-B.**
- ADD 3-34.** Refer to Sheet DM101, the below floor demolition of the sanitary sewer and hot water piping is not required. The piping shall be capped at the floor to keep the original floor intact.
- ADD 3-35.** Refer to Sheet E101: Vestibule 101 – Two (2) light fixtures shall be labeled as type 10A, in lieu of type 10.
- ADD 3-36.** Refer to Sheet E201: Receiving 139 – Add connection to motorized coiling door (139.2) and install door operator at 54" AFF. per manufactures instructions. Connect using 2#12 & #12 Ground in ¾" conduit, circuit to spare 20A breaker in Panel L1C1.
- ADD 3-37.** Refer to Sheet E201: Sauna 132C & 133B – Add rough-in for future sauna. Provide 4#6 & #6 ground in 1" conduit to Panel LD1A.
- ADD 3-38.** Refer to Sheet E301: Vestibule 101 – Add card reader rough-in for Door 100.1
- ADD 3-39.** Refer to Sheet E301 – Receiving 139; Move card reader rough-in to corridor side of Door 139.1.
- ADD 3-40.** Refer to Sheet E303: Access 350: Add rough-in for future card reader.
- ADD 3-41.** Refer to Sheet E501: Distribution Panel Schedule LD1A – Add two (2) 50A, 3-pole breakers for future saunas.
- ADD 3-42.** Refer to Sheet E600: Electrical Riser Diagram –Note 9 change ATS-1 to 60A, 3-pole in lieu of 125A.

MODIFICATIONS TO THE SPECIFICATIONS

- ADD 3-43.** The following information was omitted from the Table of Contents and should be added to assist in clarifying content associated with Alternates and FF&E;

08 42 29.23	SLIDING AUTOMATIC ENTRANCES – (ALTERNATE No. 02)
08 83 00	MIRRORS – (FFE ITEM)
10 26 00	WALL AND DOOR PROTECTION – (FFE ITEM)
10 51 00	SOLID PHENOLIC LOCKERS (ALTERNATE No. 7)
10 51 23	PLASTIC-LAMINATE-CLAD LOCKERS – (Base Bid- FFE ITEM)
11 14 00	PEDESTRIAN CONTROL EQUIPMENT – (FFE ITEM)
11 31 00	RESIDENTIAL APPLIANCES – (FFE ITEM)
12 24 13	ROLLER WINDOW SHADES - (FFE ITEM)
13 10 00	CLIMBING WALLS – (FFE ITEM)
13 24 16	SAUNAS – (FFE ITEM)
13 28 00	ATHLETIC AND RECREATIONAL SPECIAL CONSTRUCTION – (FFE ITEM)
13 28 13	INDOOR SOCCER BOARDS – (FFE ITEM)

ADD 3-44. Add the following paragraph to the 00 21 13 Instructions to Bidders:

“22.0 **OWNER’S DESIRED SCHEDULE and LIQUIDATED DAMAGES.**

- A. The Bidders shall bid the number of calendar days it takes to substantially complete the project on the bid form. Time is of the essence and may be a factor in the award of this Contract. The Owner’s desired schedule for substantial completion is no later than January 15, 2013. The Bidders shall bid the cost of achieving substantial completion by the Owner’s desired schedule as an alternate.
- B. Per Contract provisions 5.4 in the Owner’s Standard Construction Agreement, liquidated damages will be assessed for failure to achieve substantial completion by the contract specified substantial completion date. These liquidated damages will be \$467/day.”

ADD 3-45. Section 012100 “Allowances”; Delete and replace and replace with the attached revised Allowance section:

ADD 3-46. Section 012300 “Unit Prices”; Delete and replace and replace with the attached revised Unit Prices section:

ADD 3-47. Section 012300 “Alternates”; Delete and replace and replace with the attached revised Alternates section:

ADD 3-48. Section 040120 “Maintenance of Unit Masonry”; Under Article 1.3, Paragraph A, eliminate the words “...restoration and cleaning are...”. Cleaning of unit masonry is part of the bid and shall not be considered part of the allowance.

- ADD 3-49.** Section 040120 "Maintenance of Unit Masonry"; Under Article 1.3, Paragraph A.1, eliminate the words "...restoration ~~and cleaning~~ work...". Cleaning of unit masonry is part of the bid and shall not be considered part of the allowance.
- ADD 3-50.** Section 040140 "Maintenance of Stone Assemblies"; Under Article 1.3, Paragraph A, eliminate the words "...restoration ~~and cleaning~~ are...". Cleaning of unit masonry is part of the bid and shall not be considered part of the allowance.
- ADD 3-51.** Section 040140 "Maintenance of Stone Assemblies"; Under Article 1.3, Paragraph A.1, eliminate the words "...restoration ~~and cleaning~~ work...". Cleaning of unit masonry is part of the bid and shall not be considered part of the allowance.
- ADD 3-52.** Section 042000 "Unit Masonry"; Delete Article 2.5, Paragraph D in its entirety. No pigmented mortars will occur on the project. Re-number Article 2.5, Paragraphs E, F, G and H to D, E, F and G respectively.
- ADD 3-53.** Section 042000 "Unit Masonry"; Delete Article 2.12, Paragraph D in its entirety. No pigmented mortars will occur on the project. Re-number Article 2.12, Paragraph E to Paragraph D.
- ADD 3-54.** Section 042000 "Unit Masonry"; Replace Article 2.7, Paragraph F.2 "Screw-Attached, Masonry-Veneer Anchors" with the following:
2. Screw-Attached, Masonry-Veneer Anchors: Wire tie and plate combination system providing adjustability, strength, stiffness, positive connection and corrosion-resistance.
 - a. Basis-of-Design Product: Subject to compliance with requirements, provide **Hohmann & Barnard, Inc. BL-407 with Vee Byna Tie** or comparable product by a manufacturer listed below:
 - 1) Dayton Superior Corporation, Dur-O-Wal Division
 - 2) Heckmann Building Products Inc.
 - 3) Wire-Bond
 - b. Coordinate length of backplate with installer of insulated air barrier assembly to ensure an uninterrupted air barrier assembly does not occur when ties are inserted into anchor plate.
- ADD 3-55.** Section 072100 "Thermal Insulation"; Add Item 4 to Article 1.2, Paragraph A:
4. Loose-fill insulation
- ADD 3-56.** Section 072100 "Thermal Insulation", Article 2.3 Vapor Retarders; Re-number Article to 2.4.
- ADD 3-57.** Section 072100 "Thermal Insulation"; Add new Article 2.3 as follows:
- 2.3 LOOSE-FILL INSULATION
- A. Glass-Fiber Loose-Fill Insulation: ASTM C 764, Type 1, pneumatic application, with maximum flame-spread and smoke-developed indexes of 5 per ASTM E 84.

- ADD 3-58.** Section 072100 “Thermal Insulation”, Article 3.4, Paragraph C; Re-number paragraph to D.
- ADD 3-59.** Section 072100 “Thermal Insulation”, Article 3.4; Add new Paragraph C as follows:
- C. Loose-Fill Insulation: Apply according to ASTM C 1015 and manufacturer’s written instructions. Level horizontal applications to uniform thickness as indicated, lightly settle to uniform density, but do not compact excessively.
- ADD 3-60.** Section 083323 “Overhead Coiling Doors”; Replace this specification section with the revised section included with this Addendum. Door 139.2 has been modified to an insulated overhead coiling door therefore this specification section has been edited to include requirements associated with this type of door.
- ADD 3-61.** Section 087000 “Door Hardware”; Eliminate Information associated with Hardware Set 27.0. Replace information with the words “Not Used”.
- ADD 3-62.** Section 087000 “Door Hardware”; On the last page of the section, at door 139.2, replace the number 27.0 in the schedule with a dash (-). Set 27.0 has been eliminated and the door is now an overhead coiling door with no hardware required of the hardware supplier.
- ADD 3-63.** Section 132800 “Saunas”; Delete all sheets associated with this section in their entirety and replace them with a new Section 132800 attached as part of this Addendum.
- ADD 3-64.** Section 26053 – Overcurrent Protective Device Coordination Study: Study shall also include arc flash hazard analysis and PPE requirements at each piece of equipment.

ARCHITECTURAL PRIOR APPROVALS / SUBSTITUTIONS

- ADD 3-65.** The following Architectural substitutions have **NOT** been approved for use on this Project:

<u>Specification Section</u>	<u>Manufacturer / Product</u>
a. 072726 – Fluid Applied Membrane Air...	VaproShield WrapShield SA
Reason: Product not submitted by required deadline.	
b. 074219 – Metal Plate Wall Panels	Firestone Unaclad Series 1000
Reason: Product not submitted by required deadline and is not a comparable equivalent to specified products.	
c. 096543.13 – Linoleum Sports Flooring	Tarkett Sports Omnisports 8.3mm
Reason: Product requested is a vinyl product and not linoleum as specified. Not considered an equivalent. Aesthetic quality of product.	
d. 096566 – Resilient Flooring (RAF-9)	Tarkett Sports Omnisports 8.3mm

Reason: Product requested is a vinyl product and not rubber as specified. Not considered an equivalent. Aesthetic quality of product.

- e. 096566 – Resilient Flooring (RAF-7, 8) Tarkett Sports Omnisports 8.3mm

Reason: Product requested is a vinyl product and not rubber as specified. Not considered an equivalent. Aesthetic quality of product

- f. 096566 – Resilient Flooring (RAF-1, 2, 3) Tarkett Sports Dropdeck 6mm

Reason: Aesthetic quality of product.

- g. 096566 – Resilient Flooring (RAF-4, 5) Tarkett Sports Dropdeck 10mm

Reason: Aesthetic quality of product.

ATTACHMENTS

ADD 3-66. The following attachments are included as part of this addendum:

- Attachment S310-H – New Detail
- Attachment S503-B – New Detail
- Revised Bid Proposal Form section 00 41 13
- Revised Specification section 01 21 00- Allowances– Replace original
- Revised Specification section 01 22 00- Unit Prices– Replace original
- Revised Specification Section 01 23 00- Alternates- Replace original
- Specification Section 083323 “Overhead Coiling Doors” – Replace original
- Specification Section 132416 “Saunas” – Replace original
- Specification Section 10 51 00- Solid Phenolic Lockers

END OF ADDENDUM NO. 3

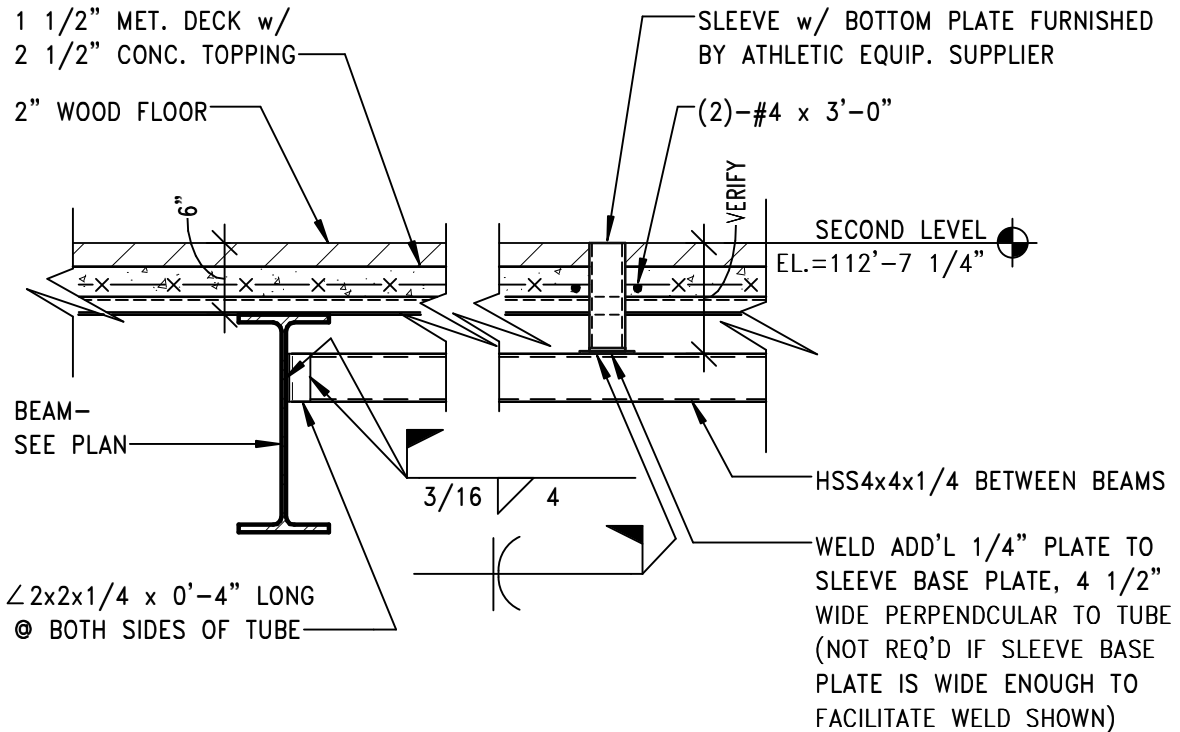
NIELSEN-BAUMERT ENGINEERING, INC.

9802 Nicholas Street, Suite 105 Omaha, NE 68114
 Phone: (402) 496-4750
 Fax: (402) 496-1147

Project: East Campus
 Recreation Center
 Subject: Addendum 3

Date: 9/27/2013

Attachment No.: S310-H



NOTES:

1. SEE A12/A805 FOR (8) SLEEVE LOCATIONS.

TYPICAL SLEEVE SUPPORT DETAIL @

BADMINTON & VOLLEYBALL STANDARDS (@ NEW GYM)

16
 S310

3/4" = 1'-0"

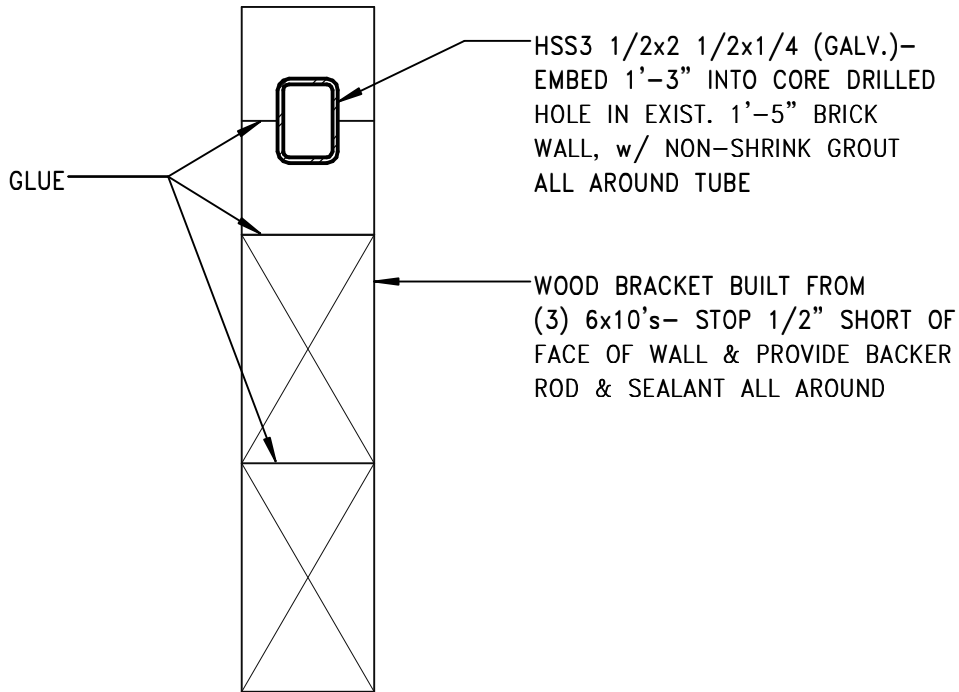
NIELSEN-BAUMERT ENGINEERING, INC.

9802 Nicholas Street, Suite 105 Omaha, NE 68114
Phone: (402) 496-4750
Fax: (402) 496-1147

Project: East Campus
Recreation Center
Subject: Addendum 3

Date: 9/27/2013

Attachment No.: S503-B



NOTES

1. DETAIL OCCURS @ TWO PLACES ON EXIST BLDG. (ONE EACH @ NORTH & SOUTH WALL @ ROOF LEVEL- SEE ARCH. DWGS.).
2. LENGTH OF 6x10's VARIES- MATCH EXISTING.

6 SECTION @ NEW EXTERIOR BRACKET ON EXIST. WALL
S503 1 1/2" = 1'-0"

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 Construction Contractor

PROJECT: A016P039 - East Campus Recreation Center Renovation & Addition

INVITATION NO.: 2237-13-7200

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 limited liability company 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, invitation 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, Inc.**

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: SMOOTHIE BAR

1. Base Bid: No Smoothie Bar
2. ADD Alternate: Smoothie Bar millwork and foodservice equipment shall be provided as indicated in the contract documents.

ADD the sum of _____ Dollars (\$_____)

SECTION 00 41 13 - BID PROPOSAL FORM

ALTERNATE NO. 2: SLIDING AUTOMATIC ENTRANCE

1. Base Bid: Provide a pair of 3'-0" doors at Vestibule 101 at doors 100.1 and 101.1 as shown in the contract documents. Note that an automatic entry pad is required as part of the base bid.
2. ADD Alternate: Provide sliding automatic entrances at doors 100.1 and 101.1 as specified in Section 084229.23 "Sliding Automatic Entrances".

ADD the sum of _____ Dollars (\$ _____)

ALTERNATE NO. 3: MULTI-ATHLETIC COURT CEILING

1. Base Bid: Provide all work associated with installing GWB ceiling along with an R-38 blow-in insulation assembly. Electrical fixtures and requirements associated with HVAC assembly will also be modified.
2. ADD Alternate: Provide all work associated with providing an exposed structural framing and roof deck condition in the Multi-Athletic court 210. The exposed structure and ceiling will require cleaning and finishing of the existing structural steel, wood roof framing and decking along with a clear coat finish to the deck and painted finish to the exposed steel and wood framing. The roof deck will receive a 5/8" GWB thermal barrier as well as a nailable insulation assembly.

ADD the sum of _____ Dollars (\$ _____)

ALTERNATE NO. 4: MULTI-ATHLETIC COURT FLOOR

1. Base Bid: Provide all work associated with the installation of a new wood athletic flooring (WF-1) as specified in Section 096466 "Wood Athletic Flooring" within the existing slab depression
2. ADD Alternate: Provide all work associated with the installation of a gypsum cement underlayment in existing slab depression and provide a new linoleum sports flooring assembly (LSF-1_ at Multi-Athletic Court 210.

ADD the sum of _____ Dollars (\$ _____)

ALTERNATE NO. 5: ALUMINUM STOREFRONTS TO WOOD WINDOWS

1. Base Bid: Provide all work associated with installation of storefront framing at all replacement window locations in the existing building.
2. ADD Alternate: Provide all work associated with installation of aluminum clad wood windows in lieu storefront framing at all replacement window locations in the existing building.

ADD the sum of _____ Dollars (\$ _____)

ALTERNATE NO. 6: FITNESS (CARDIO / WEIGHTS) RUBBER ATHLETIC FLOORING

1. Base Bid: As specified in Section 096566 "Resilient Athletic Flooring", provide Mondo Ramflex rubber flooring or one of the listed pre-approved equivalent product lines found under Article 2.1, at locations scheduled to receive RAF-1, RAF-2, RAF-3, RAF-4, and RAF-5.
2. ADD Alternate: In lieu of the products listed under Article 2.1 of Section 096566 "Resilient Athletic Flooring", provide Mondo America Inc., Sport Impact rubber flooring in the same thicknesses specified and in the following colors:
 - a. RAF-1: S041 "Red"
 - b. RAF-2: S018 "Dark Grey"
 - c. RAF-3: Custom Color "1803" (Warm Grey hue)
 - d. RAF-4: S041 "Red"
 - e. RAF-5: S018 "Dark Grey"

ADD the sum of _____ Dollars (\$ _____)

SECTION 00 41 13 - BID PROPOSAL FORM

ALTERNATE NO. 7: CONTRACTOR PROVIDED AND INSTALLED LOCKERS

1. Base Bid: All lockers are Fixture, Furnishing and Equipment (FFE) provided and installed by Owner Under a separate contract. The Contractor is responsible for providing blocking and coordination of finishes that interface with the lockers provided by the Owner.
2. ADD Alternate: The Contractor shall provide and install all lockers identified as Owner provided Fixture, Furnishing and Equipment (FFE). All related locker trim, filler panels, closure panels and accessories shall be Contractor provided and installed.

ADD the sum of _____ Dollars (\$ _____)

ALTERNATE NO. 8: COMPLETE WORK ON OR BEFORE JANUARY 15, 2015

3. Base Bid: To substantially complete the project with-in the time frame proposed by the bidder as listed on the bid form.
4. ADD Alternate: To substantially complete the project on or before January 15, 2015.

ADD the sum of _____ Dollars (\$ _____)

ALLOWANCES:

Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order. The full and complete description is found in Division 01, Section 01 21 00 - Allowances.

ALLOWANCE NO. 1: Lump-Sum Allowance for work associated with the restoration of activities of the existing brick and stone as specified in Sections 040120 "Maintenance of Unit Masonry" and 040140 "Maintenance of Stone Assemblies". This allowance includes material cost, receiving, handling, and installation, and Contractor overhead and profit.

ALLOWANCE NO. 2: Owner's Contingency Allowance. This allowance includes material cost, receiving, handling, and installation, and Contractor overhead and profit for work approved by the Owner in writing.

COMPLETE THE FOLLOWING INFORMATION – UNIT PRICE PROPOSALS:

The Contract Sum may be increased or decreased by Change Order through the application of the appropriate unit price to the quantities of work added to or deducted from the original scope of work. The unit prices given below are to be utilized in accordance with the provisions of Section 01 22 00 – Unit Prices to compute the adjustments to the Contract Sum resulting from changes in the quantity of any work for which a unit price proposal is provided.

UNIT PRICE NO. 1: **Removal of unsatisfactory wood roof decking and replacement with satisfactory nailable sheathing material.** The condition of existing wood 1x4 roof decking is unknown and as such, it is likely that Contractor will be required to replace with satisfactory sheathing material prior to installing the new roof assembly. Unit of Measurement: Cost per Square Foot.

_____ Dollars (\$ _____) per _____

UNIT PRICE NO. 2: **Masonry restoration tuckpointing.** Grind out failed mortar joints and point with mortar in accordance with Sections 040120 "Maintenance of Unit Masonry" and 040140 "Maintenance of Stone Assemblies". Unit of Measurement: Cost per Lineal Foot.

_____ Dollars (\$ _____) per _____

SECTION 00 41 13 - BID PROPOSAL FORM

UNIT PRICE NO. 3: Masonry restoration brick replacement. Grind out failed mortar joints, remove damaged brick, and reinstall brick and mortar in accordance with Section 040120 "Maintenance of Unit Masonry". Unit of Measurement: Cost per brick.

_____ Dollars (\$) _____) per _____

UNIT PRICE NO. 4: Gypsum Underlayment. Multi-Athletic Court 210 a gypsum cement underlayment at the existing slab depression. The base bid shall assume a 3" total thickness of gypsum cement underlayment. Provide a unit price for each subsequent 1/2-inch of thickness that is either added to or subtracted from the assumed thickness to obtain a flush finished floor condition. Unit of Measurement: 1/2 inch thickness.

_____ Dollars (\$) _____) per _____

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 – CALENDAR DAYS TO COMPLETE THE WORK:

To substantially complete the work not later than _____ calendar days from the start of construction given in the Notice to Proceed. (Bidder to enter number of days.) Time is of the essence and may be a factor in the award of this Contract.

COMPLY WITH THE FOLLOWING INFORMATION:

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. 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.
5. To comply with Nebraska Fair Employment Practice Act, understanding that a breach of this provision will be regarded as a material breach of contract.
6. To review and comply with University of Nebraska-Lincoln Standard Terms of Purchase. View at <http://www.nebraska.edu/administration/business-and-finance/purchasing/terms-of-purchase.html>.
7. To comply with all other applicable policies, procedures and requirements of the Board of Regents of the University of Nebraska with respect to this Bid, the Project, the bid invitation and/or the bidding process.

SECTION 00 41 13 - BID PROPOSAL FORM

COMPLETE THE FOLLOWING INFORMATION – SIGNATURE AND CONTACT INFORMATION:

Address:

Signature:

Printed Name:

Tele. No.:

Title:

Fax. No.:

Dated this

day of

, 20

Email Address:

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Unit-cost allowances.
 - 3. Quantity allowances.
 - 4. Contingency allowances.
- C. Related Requirements:
 - 1. Section 012200 "Unit Prices" for procedures for using unit prices.

1.3 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

SECTION 012100 - ALLOWANCES

1.6 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.7 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed in writing by Owner for Owner's sole and exclusive purposes. Written directions from the Owner shall indicate the amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
- C. The Contractor's and subcontractor's overhead and profit margins shall not to exceed the limits listed in section 01 26 00- Contract Modifications Procedures.
- D. At Project closeout, the Contractor shall credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.8 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
 - 3. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit. The Contractor's and subcontractor's overhead and profit margins not to exceed the limits listed in section 01 26 00- Contract Modifications Procedures.

SECTION 012100 - ALLOWANCES

1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. **Allowance No. 1:** Lump-Sum Allowance: Include the sum of \$10,000 for work associated with restoration activities of the existing brick and stone joints as specified in Sections 040120 "Maintenance of Unit Masonry" and 040140 "Maintenance of Stone Assemblies".
 1. This allowance includes material cost, receiving, handling, and installation, and Contractor overhead and profit.
- A. **Allowance No. 2:** Contingency Allowance: Include the sum of \$80,000 for the Owner's contingency allowance. This allowance is for the sole and exclusive use of the Owner.
 1. This allowance includes material cost, receiving, handling, and installation, and Contractor overhead and profit.

END OF SECTION 012100

SECTION 012200 - UNIT PRICES

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

SECTION 012200 - UNIT PRICES

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

- A. Unit Price 1: Removal of unsatisfactory wood roof decking and replacement with satisfactory nailable sheathing material.
 - 1. Description: The condition of existing wood 1x4 roof decking is unknown and as such, it is likely that Contractor will be required to replace with satisfactory sheathing material prior to installing the new roof assembly.
 - 2. Unit of Measurement: Cost per Square Foot.

- B. Unit Price 2: Masonry restoration tuck-pointing.
 - 1. Description: Grind out failed mortar joints and point with mortar in accordance with Sections 040120 "Maintenance of Unit Masonry" and 040140 "Maintenance of Stone Assemblies".
 - 2. Unit of Measurement: Cost per Square Foot.

- C. Unit Price 3: Masonry restoration brick replacement.
 - 1. Description: Grind out failed mortar joints, remove damaged brick, and reinstall brick and mortar in accordance with Section 040120 "Maintenance of Unit Masonry".
 - 2. Unit of Measurement: Cost per brick.

- D. Unit Price 4: Gypsum Underlayment.
 - 1. Description: Under Alternate No. 04, Multi-Athletic Court 210 is scheduled to receive a linoleum sports flooring assembly, including a gypsum cement underlayment at the existing slab depression. The base bid shall assume a 3" total thickness of gypsum cement underlayment. Provide a unit price for each subsequent 1/2-inch of thickness that is either added to or subtracted from the assumed 3-inch total thickness to obtain a flush finished floor condition
 - 2. Unit of Measurement: Cost per 1/2 Inch thickness

END OF SECTION 012200

SECTION 012300 - ALTERNATES

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General Conditions and other Division-01 Specifications Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for Alternates.
- B. Definition: An Alternate is an amount proposed by Bidders and stated on the Bid Form for certain construction activities defined in the Bidding Requirements that may be added to or deducted from Base Bid amount if the Owner decides to accept a corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems or installation methods described in Contract Documents.
- C. Coordination: Coordinate related Work and modify or adjust adjacent Work as necessary to ensure that Work affected by each accepted Alternate is complete and fully integrated in the project.
- D. Notification: Immediately following the award of the Contract, prepare and distribute to each party involved, notification of the status of each Alternate. Indicate whether Alternates have been accepted, rejected or deferred for consideration at a later date. Include a complete description of modifications to Alternates.
- E. Schedule: A Schedule of Alternates is included at the end of the Section. Specification Sections referenced in the schedule contain requirements for materials and methods necessary to achieve the work described under each Alternate.
 - 1. Include as part of each Alternate, miscellaneous devices, accessory objects and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternate.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

ALTERNATE NO. 01 ADD: Smoothie Bar

- 1. Base Bid: No Smoothie Bar
- 2. ADD Alternate: Smoothie Bar millwork and foodservice equipment shall be provided as indicated in the contract documents.

ALTERNATE NO. 02 ADD: Sliding Automatic Entrance

- 1. Base Bid: Provide a pair of 3'-0" doors at Vestibule 101 at doors 100.1 and 101.1 as shown in the contract documents. Note that an automatic entry pad is required as part of the base bid.
- 2. ADD Alternate: Provide sliding automatic entrances at doors 100.1 and 101.1 as specified in Section 084229.23 "Sliding Automatic Entrances".

SECTION 012300 - ALTERNATES

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

ALTERNATE NO. 03 ADD: Multi-Athletic Court 210 Ceiling

1. Base Bid: The following specifics shall be noted with regard to the base bid:

- A new GWB ceiling assembly shall be installed across the entire ceiling at the Mezzanine Level within the confines of the existing building perimeter. Existing roof framing will be concealed.
- Contractor shall remove existing asphalt shingle roof assembly and replace it with a new shingled roof assembly directly over the existing wood substrate. No thermal barrier is required.
- As indicated on Detail A10/A602, the horizontal GWB assembly that occurs at a distance less than 20'-0" AFF shall be installed as a 1-hour roof/ceiling assembly (UL P510). All remaining ceiling assemblies that occur greater than 20'-0" AFF are not required to be a rated assembly.
- At the transition point between the rated and non-rated ceiling assemblies, a 1-hour rated wall assembly shall be installed from finished ceiling to the underside of the roof substrate above. The top of this assembly shall be scribed to follow the contours of existing framing and terminate as required to comply with rating requirements.
- An R-38 loose-fill insulation shall be installed across the entire ceiling area.
- A GWB control joint shall be installed at the transition point between the rated and non-rated ceiling assemblies.
- A dry sprinkler system will be required for protection of the "attic" space between the underside of the roof substrate and finished GWB ceiling assembly.
- HVAC layout should be as indicated on Detail L8/M203.
- Note 16 as shown on Sheet E103 is associated with the Base Bid condition.

2. ADD Alternate: The following specifics shall be noted with regard to the alternate:

- The existing exposed roof framing assembly and roof deck in Multi-Athletic court 210 and Mechanical 229 as shown on Sheet A704 shall remain exposed. The bottom of structure in these locations is greater than 20'-0" AFF and therefore does not require a fire rating.
- Contractor shall remove existing asphalt shingle roof assembly and replace it with a new nailable insulated roof assembly. Included within this new assembly is a 5/8" thermal barrier, nailable insulation, roof underlayments and asphalt shingles.
- As indicated on Detail A10/A602, the horizontal GWB assembly that occurs over the Mezzanine Level floor assembly shall be a 1-hour roof/ceiling assembly (UL P510).
- The exposed steel and wood roof framing and decking substrate shall be cleaned, prepped and finished. Wood decking and framing members shall receive a clear coat finish while steel framing members shall be painted as scheduled.
- HVAC layout should be as indicated on Detail A1/M203.
- Note 16 as shown on Sheet #103 does not apply, however Note 15 does.

SECTION 012300 - ALTERNATES

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

ALTERNATE NO. 04 ADD: Multi-Athletic 210 Court Floor

1. Base Bid: Install a new wood athletic floor (WF-1) as specified in Section 096466 "Wood Athletic Flooring" within the existing slab depression of the Multi-Athletic Court.
2. ADD Alternate: In lieu of a wood athletic flooring, install a linoleum sports flooring assembly (LSF-1) as specified in Section 096543.13 "Linoleum Sports Flooring". As part of the Linoleum Sports Flooring Assembly, Contractor shall also provide a gypsum cement underlayment at the existing depressed areas as needed to produce a uniform finished floor elevation with adjacent flooring materials.

ALTERNATE NO. 05 ADD: Aluminum Storefronts to Wood Windows

1. Base Bid: Provide aluminum storefront windows as specified in Section 084113 "Aluminum-Framed Entrances and Storefronts" at all existing openings scheduled to receive a new window infill. Frames associated with this include AL32, AL33, AL34, AL35 and AL36.
2. ADD Alternate: In lieu of aluminum storefront windows at frame types AL32 through AL36, provide Aluminum Clad Wood Windows as specified in Section 085200 "Wood Windows". Frame Types AL32, AL33, AL34, AL35 and AL36 are to be replaced with Frame Types WC1, WC1b, WC2, WC3 and WC4 respectively.

ALTERNATE NO. 06 ADD: Fitness (Cardio / Weights) Rubber Athletic Flooring

1. Base Bid: As specified in Section 096566 "Resilient Athletic Flooring", provide Mondo Ramflex rubber flooring or one of the listed pre-approved equivalent product lines found under Article 2.1, at locations scheduled to receive RAF-1, RAF-2, RAF-3, RAF-4, and RAF-5.
2. ADD Alternate: In lieu of the products listed under Article 2.1 of Section 096566 "Resilient Athletic Flooring", provide Mondo America Inc., Sport Impact rubber flooring in the same thicknesses specified and in the following colors:
 - a. RAF-1: S041 "Red"
 - b. RAF-2: S018 "Dark Grey"
 - c. RAF-3: Custom Color "1803" (Warm Grey hue)
 - d. RAF-4: S041 "Red"
 - e. RAF-5: S018 "Dark Grey"

ALTERNATE NO. 07 ADD: Contractor Provided and Installed Lockers

1. Base Bid: All lockers are Fixture, Furnishing and Equipment (FFE) provided and installed by Owner Under a separate contract. The Contractor is responsible for providing blocking and coordination of finishes that interface with the lockers provided by the Owner. (Please note, Owner Provided lockers would be solid Phenolic Lockers, not Plastic Laminate lockers.
2. ADD Alternate: The Contractor shall provide and install all lockers identified as Owner provided Fixture, Furnishing and Equipment (FFE). All related locker trim, filler panels, closure panels and accessories shall be Contractor provided and installed. See Section 10 51 00 Solid Phenolic Lockers attached to this addendum for design specifications to be used.

SECTION 012300 - ALTERNATES

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

ALTERNATE NO.08: Complete Work On Or Before January 15, 2015

1. Base Bid: To substantially complete the project with-in the time frame proposed by the bidder as listed on the bid form.
2. ADD Alternate: To substantially complete the project on Owner's desired schedule which is on or before January 15, 2015.

END OF SECTION

SECTION 083323 - OVERHEAD COILING DOORS

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

SECTION 083323 - OVERHEAD COILING DOORS

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:

- 1. Fire-rated service doors.
- 2. Insulated service doors.

- B. Related Requirements:

- 1. Section 055000 "Metal Fabrications" for miscellaneous steel supports.
- 2. Division 26 Sections for electrical service and connections for powered operators and accessories.

1.3 ACTION SUBMITTALS

- A. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

- 1. Include plans, elevations, sections, and mounting details.
- 2. Include details of equipment assemblies, and indicate dimensions, required clearances, method of field assembly, components, and location and size of each field connection.
- 3. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
- 4. Show locations of controls, locking devices, detectors or replaceable fusible links, and other accessories.
- 5. Include diagrams for power, signal, and control wiring.

- B. Samples for Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.

- 1. Include similar Samples of accessories involving color selection.

- C. Samples for Verification: For each type of exposed finish on the actual material used.

SECTION 083323 - OVERHEAD COILING DOORS

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For overhead coiling doors to include in maintenance manuals.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.
 - 1. Maintenance Proximity: Not more than two hours' normal travel time from Installer's place of business to Project site.
- B. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at as close to neutral pressure as possible according to NFPA 252 or UL 10B.
 - 1. Smoke Control: Provide doors that are listed and labeled with the letter "S" on the fire-rating label by a qualified testing agency for smoke- and draft-control based on testing according to UL 1784; with maximum air-leakage rate of 3.0 cfm/sq. ft. (0.01524 cu. m/s x sq. m) of door opening at 0.10-inch wg (24.9 Pa) for both ambient and elevated temperature tests.
- C. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC A117.1.

PART 2 - PRODUCTS

2.1 MANUFACTURERS, GENERAL

- A. Source Limitations: Obtain overhead coiling doors from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance, Exterior Doors: Capable of withstanding the design wind loads.
 - 1. Design Wind Load: As indicated on Drawings.
 - 2. Deflection Limits: Design overhead coiling doors to withstand design wind load without evidencing permanent deformation or disengagement of door components

SECTION 083323 - OVERHEAD COILING DOORS

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

2.3 INSULATED SERVICE DOOR ASSEMBLY **(083323.C)**

- A. Insulated Service Door: Overhead fire-rated coiling door formed with curtain of interlocking metal slats.
1. Basis-of-Design Product: Requests for manufacturer substitutions prior to bidding will be reviewed and responded to in conformance with Division 1 requirements. Subject to compliance with requirements, provide **Overhead Door Corporation Series 625** or comparable product pre-approved during bidding:
- a. Cookson Company.
 - b. Cornell Iron Works, Inc.
 - c. Raynor.
- B. Operation Cycles: Door components and operators capable of operating for not less than 20,000. One operation cycle is complete when a door is opened from the closed position to the fully open position and returned to the closed position.
- C. Air Infiltration: Maximum rate of 0.08 cfm/sq. ft. (0.406 L/s per sq. m) at 15 and 25 mph (24.1 and 40.2 km/h) when tested according to ASTM E 283 or DASMA 105.
- D. Curtain R-Value: 6.0 deg F x h x sq. ft./Btu (1.057 K x sq. m/W).
- E. Door Curtain Material: Aluminum.
- F. Door Curtain Slats: Flat profile slats of 2-5/8-inch (67-mm) center-to-center height.
- 1. Insulated-Slat Interior Facing: Metal.
 - 2. Gasket Seal. Manufacturer's standard continuous gaskets between slats.
- G. Bottom Bar: Two angles, each not less than 1-1/2 by 1-1/2 by 1/8 inch (38 by 38 by 3 mm) thick; fabricated from hot-dip galvanized steel and finished to match door.
- H. Curtain Jamb Guides: Galvanized steel with exposed finish matching curtain slats.
- I. Hood: Match curtain material and finish.
- 1. Shape: Round.
 - 2. Mounting: Face of wall.
- J. Locking Devices: Equip door with chain lock keeper.
- K. Electric Door Operator:
- 1. Usage Classification: Medium duty, up to 12 cycles per hour and up to 50 cycles per day.
 - 2. Operator Location: Wall.

SECTION 083323 - OVERHEAD COILING DOORS

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

3. Safety: Listed according to UL 325 by a qualified testing agency for commercial or industrial use; moving parts of operator enclosed or guarded if exposed and mounted at 8 feet (2.44 m) or lower.
 4. Motor Exposure: Interior.
 5. Emergency Manual Operation: Push-up type.
 6. Obstruction-Detection Device: Automatic pneumatic sensor edge on bottom bar.
 - a. Sensor Edge Bulb Color: Black.
 7. Control Station(s): Interior mounted.
- L. Curtain Accessories: Equip door with weatherseals push/pull handles and pull-down strap.
- M. Door Finish:
1. Baked-Enamel or Powder-Coated Finish: Color as selected by Architect from manufacturer's full range with intent to match color of storefront doors or adjacent brick.
 2. Interior Curtain-Slat Facing: Match finish of exterior curtain-slat face.

2.4 FIRE-RATED DOOR ASSEMBLY **(083323.A)**

- A. Fire-Rated Service Door: Overhead fire-rated coiling door formed with curtain of interlocking metal slats.
1. Basis-of-Design Product: Requests for manufacturer substitutions prior to bidding will be reviewed and responded to in conformance with Division 1 requirements. Subject to compliance with requirements, provide **Overhead Door Corporation Series 631** or comparable product pre-approved during bidding:
 - a. Cookson Company.
 - b. Cornell Iron Works, Inc.
 - c. Raynor.
- B. Operation Cycles: Door components and operators capable of operating for not less than 10,000. One operation cycle is complete when a door is opened from the closed position to the fully open position and returned to the closed position.
- C. Fire Rating: 1 hour with smoke control.
- D. Door Curtain Material: Galvanized steel.
- E. Door Curtain Slats: Flat profile slats of 2-5/8-inch (67-mm) center-to-center height.
- F. Curtain Jamb Guides: Galvanized steel with exposed finish matching curtain slats.
- G. Hood: Match curtain material and finish.
1. Shape: Square.

SECTION 083323 - OVERHEAD COILING DOORS

360 Architects' Project No. 116900.00
Sinclair Hille Architects' Project No. 11058

- 2. Mounting: Between jambs.
- H. Locking Devices: Equip door with locking device assembly.
 - 1. Locking Device Assembly: Single-jamb side locking bars, operable from outside with cylinder.
- I. Manual Door Operator: Push-up operation.
- J. Curtain Accessories: Equip door with smoke seals, automatic closing device, push/pull handles, and pull-down strap.
- K. Door Finish:
 - 1. Baked-Enamel or Powder-Coated Finish: Color as selected by Architect from manufacturer's full range of available 197 premium powder coat colors.
 - 2. Interior Curtain-Slat Facing: Match finish of exterior curtain-slat face.

2.5 MATERIALS, GENERAL

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.6 DOOR CURTAIN MATERIALS AND CONSTRUCTION

- A. Door Curtains: Fabricate overhead coiling-door curtain of interlocking metal slats, designed to withstand wind loading indicated, in a continuous length for width of door without splices. Unless otherwise indicated, provide slats of thickness and mechanical properties recommended by door manufacturer for performance, size, and type of door indicated, and as follows:
 - 1. Steel Door Curtain Slats: Zinc-coated (galvanized), cold-rolled structural steel sheet; complying with ASTM A 653/A 653M, with G90 (Z275) zinc coating; nominal sheet thickness (coated) of 0.028 inch (0.71 mm); and as required.
 - 2. Metal Interior Curtain-Slat Facing: Match metal of exterior curtain-slat face, with minimum steel thickness of 0.010 inch (0.25 mm).
- B. Curtain Jamb Guides: Manufacturer's standard angles or channels and angles of same material and finish as curtain slats unless otherwise indicated, with sufficient depth and strength to retain curtain, to allow curtain to operate smoothly, and to withstand loading. Slot bolt holes for guide adjustment. Provide removable stops on guides to prevent overtravel of curtain.

2.7 HOODS

- A. General: Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any

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portion of between-jamb mounting that projects beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.

1. Galvanized Steel: Nominal 0.028-inch- (0.71-mm-) thick, hot-dip galvanized steel sheet with G90 (Z275) zinc coating, complying with ASTM A 653/A 653M.
2. Include automatic drop baffle on fire-rated doors to guard against passage of smoke or flame.

2.8 LOCKING DEVICES

- A. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on both left and right jamb sides, operable from coil side.
- B. Locking Device Assembly: Fabricate with cylinder lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bars to engage through slots in tracks.
 1. Lock Cylinders: Cylinders specified in Section 087100 "Door Hardware" and keyed to building keying system.
 2. Keys: Two for each cylinder.

2.9 CURTAIN ACCESSORIES

- A. Smoke Seals: Equip each fire-rated door with replaceable smoke-seal perimeter gaskets or brushes for smoke and draft control as required for door listing and labeling by a qualified testing agency.
- B. Push/Pull Handles: Equip each push-up-operated or emergency-operated door with lifting handles on each side of door, finished to match door.
- C. Pull-Down Strap: Provide pull-down straps for doors more than 84 inches (2130 mm) high.
- D. Automatic-Closing Device for Fire-Rated Doors: Equip each fire-rated door with an automatic-closing device or holder-release mechanism and governor unit complying with NFPA 80 and an easily tested and reset release mechanism. Testing for manually operated doors shall allow resetting by opening the door without retensioning the counterbalancing mechanism. Automatic-closing device shall be designed for activation by the following:
 1. Manufacturer's standard UL-labeled smoke detector and door-holder-release devices.
 2. Manufacturer's standard UL-labeled heat detector and door-holder-release devices.
 3. Building fire-detection, smoke-detection, and -alarm systems. (Primary activation)
- E. Weatherseals for Exterior Doors: Equip each exterior door with weather-stripping gaskets fitted to entire exterior perimeter of door for a weather-resistant installation unless otherwise indicated.
 1. At door head, use 1/8-inch- (3-mm-) thick, replaceable, continuous-sheet baffle secured to inside of hood or field- installed on the header.

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2. At door jambs, use replaceable, adjustable, continuous, flexible, 1/8-inch- (3-mm-) thick seals of flexible vinyl, rubber, or neoprene.

2.10 COUNTERBALANCING MECHANISM

- A. General: Counterbalance doors by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.
- B. Counterbalance Barrel: Fabricate spring barrel of manufacturer's standard hot-formed, structural-quality, seamless carbon-steel pipe, of sufficient diameter and wall thickness to support rolled-up curtain without distortion of slats and to limit barrel deflection to not more than 0.03 in./ft. (2.5 mm/m) of span under full load.
- C. Counterbalance Spring: One or more oil-tempered, heat-treated steel helical torsion springs. Size springs to counterbalance weight of curtain, with uniform adjustment accessible from outside barrel. Secure ends of springs to barrel and shaft with cast-steel barrel plugs.
 1. Fire-Rated Doors: Equip with auxiliary counterbalance spring and prevent tension release from main counterbalance spring when automatic closing device operates.
- D. Torsion Rod for Counterbalance Shaft: Fabricate of manufacturer's standard cold-rolled steel, sized to hold fixed spring ends and carry torsional load.
- E. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

2.11 MANUAL DOOR OPERATORS

- A. General: Equip door with manual door operator by door manufacturer.
- B. Push-up Door Operation: Lift handles and pull rope for raising and lowering doors, with counterbalance mechanism designed so that required lift or pull for door operation does not exceed 25 lbf (111 N).

2.12 ELECTRIC DOOR OPERATORS

- A. General: Electric door operator assembly of size and capacity recommended and provided by door manufacturer for door and operation-cycles requirement specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, control stations, control devices, integral gearing for locking door, and accessories required for proper operation.
 1. Comply with NFPA 70.

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2. Control equipment complying with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6, with NFPA 70 Class 2 control circuit, maximum 24-V ac or dc.
- B. Usage Classification: Electric operator and components capable of operating for not less than number of cycles per hour indicated for each door.
- C. Door Operator Location(s): Operator location indicated for each door.
 1. Wall Mounted: Operator is mounted to the inside front wall on the left or right side of door and connected to door drive shaft with drive chain and sprockets. Side room is required for this type of mounting. Wall mounted operator can also be mounted above or below shaft; if above shaft, headroom is required.
- D. Motors: Reversible-type motor with controller (disconnect switch) for motor exposure indicated.
 1. Electrical Characteristics:
 - a. Phase: Single phase.
 - b. Volts: 115 V.
 - c. Hertz: 60.
 2. Motor Size: Minimum size as indicated. If not indicated, large enough to start, accelerate, and operate door in either direction from any position, at a speed not less than 8 in./sec. (203 mm/s) and not more than 12 in./sec. (305 mm/s), without exceeding nameplate ratings or service factor.
 3. Operating Controls, Controllers, Disconnect Switches, Wiring Devices, and Wiring: Manufacturer's standard unless otherwise indicated.
 4. Coordinate wiring requirements and electrical characteristics of motors and other electrical devices with building electrical system and each location where installed.
- E. Limit Switches: Equip each motorized door with adjustable switches interlocked with motor controls and set to automatically stop door at fully opened and fully closed positions.
- F. Obstruction Detection Devices: External entrapment protection consisting of indicated automatic safety sensor capable of protecting full width of door opening. For non-fire-rated doors, activation of device immediately stops and reverses downward door travel.
 1. Pneumatic Sensor Edge: Automatic safety sensor edge, located within astragal or weather stripping mounted to bottom bar. Contact with sensor activates device.
- G. Control Station: Three-button control station in fixed location with momentary-contact push-button controls labeled "Open" and "Stop" and sustained- or constant-pressure push-button control labeled "Close."

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1. Interior-Mounted Units: Full-guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.
- H. Emergency Manual Operation: Equip each electrically powered door with capability for emergency manual operation. Design manual mechanism so required force for door operation does not exceed 25 lbf (111 N).
- I. Emergency Operation Disconnect Device: Equip operator with hand-operated disconnect mechanism for automatically engaging manual operator and releasing brake for emergency manual operation while disconnecting motor without affecting timing of limit switch. Mount mechanism so it is accessible from floor level. Include interlock device to automatically prevent motor from operating when emergency operator is engaged.
- J. Motor Removal: Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency manual operation.

2.13 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM/NOMMA's "Metal Finishes Manual for Architectural and Metal Products (AMP 500-06)" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.14 STEEL AND GALVANIZED-STEEL FINISHES

- A. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates areas and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.
- B. Examine locations of electrical connections.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

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3.2 INSTALLATION

- A. Install overhead coiling doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.
- B. Install overhead coiling doors, hoods, controls, and operators at the mounting locations indicated for each door.
- C. Accessibility: Install overhead coiling doors, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.
- D. Fire-Rated Doors: Install according to NFPA 80.
- E. Smoke-Control Doors: Install according to NFPA 80 and NFPA 105.
- F. Power-Operated Doors: Install automatic garage door openers according to UL 325.

3.3 STARTUP SERVICE

- A. Engage a factory-authorized service representative to perform startup service.
 - 1. Perform installation and startup checks according to manufacturer's written instructions.
 - 2. Test and adjust controls and safety devices. Replace damaged and malfunctioning controls and equipment.
 - 3. Test door closing when activated by detector or alarm-connected fire-release system. Reset door-closing mechanism after successful test.

3.4 ADJUSTING

- A. Adjust hardware and moving parts to function smoothly so that doors operate easily, free of warp, twist, or distortion.
 - 1. Adjust exterior doors and components to be weather-resistant.
- B. Lubricate bearings and sliding parts as recommended by manufacturer.
- C. Adjust seals to provide tight fit around entire perimeter.

3.5 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling doors.

END OF SECTION 083323

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SECTION 132416 – SAUNAS

Equipment is not provided by bidder under the scope of this contract and is considered a Fixture, Furnishing and Equipment item provided by the Owner under a separate contract. Identifications of items in the contract documents are for coordination and reference purposes only.

END OF SECTION 132416

SECTION 105100 – SOLID PHENOLIC LOCKERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid Phenolic lockers.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: For solid phenolic lockers. Include plans, elevations, sections, details, attachments to other work, trim, hardware, finishes, locks, base, doors, accessories and installation details.

C. Samples: Submit samples of edge details, colors, patterns, finishes, and textures..

1.3 INFORMATIONAL SUBMITTALS

A. Warranty: Sample of special warranty.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance data.

B. Warranty

1.5 QUALITY ASSURANCE

A. Regulatory Requirements: Where solid phenolic lockers are indicated to comply with accessibility requirements, comply with the Americans with Disabilities Act (ADA) and ICC/ANSI A117.1.

B. Pre-installation Conference: Conduct conference at Project site.

C. Qualifications: The installer shall be approved by the manufacturer and be experienced in performing work of a similar size and scope.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver: Deliver I with manufacturer's original protective packaging.

B. Storage and Handling: Store materials in an enclosed shelter providing protection from damage, temperature, humidity, and exposure to the elements.

SECTION 105100 – SOLID PHENOLIC LOCKERS

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components that fail in materials or workmanship, excluding finish, within specified warranty period.
 - 1. Warranty Period: 20-year Manufacturer's warranty.

PART 2 - PRODUCTS

2.1 Solid Phenolic Lockers

- A. Basis- for-Design: Drawings and specifications are based on Summit Phenolic Lockers.
 - 1. Summit Lockers Inc.
149 McLeod Road
Columbia SC 29203
Phone: 888-310-7149
- B. Subject to compliance with requirements, provide comparable product by alternate Manufacturer. The products must be equal to or superior to the specified product as determined by the Owner.

2.2 Materials

- A. Panel Material:
 - 1. Decorative papers impregnate with melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.
 - 2. Fire Rating-
 - a. Core or panel material shall meet fire Class B resistive per ASTM E84.
- B. Doors and Ancillary Panels:
 - 1. Material: ½" (13 mm) thick solid phenolic composite material.
 - 2. Corners: Eased edges
 - 3. Door Fastening: Blind fastening
 - 4. Colors: Colors as selected by the Owner from the manufacturer's full range of colors, patterns and wood grains. All phenolic panel edges are black.
- C. Locker Bodies:
 - 1. Exposed edges: straight profile: eased edges to remove sharpness; machine polished and free from tooling imperfections.
 - 2. Tops, bottoms and intermediate shelves: 3/8" (9.5 mm) Thick phenolic composite material with ventilation holes.
 - 3. Locker sides: 5/16" (8mm) thick solid phenolic composite material with ventilation holes.
 - 4. Locker backs: 1/4" (6 mm) thick solid phenolic composite material.

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5. Colors: Locker bodies are white. All phenolic panel edges are black.
- D. Hardware:
1. Hinges: 180 degree stainless steel continuous hinges
 2. Interior side hooks:
 - a. Material: stainless steel. Plastic or nylon hooks are not acceptable.
 - b. Two per opening for all openings 30” or taller.
 3. Fasteners: All fasteners shall be stainless steel.
 4. Door identification Plates:
 - a. Material: Black plastic with reverse engraved numbers and surface mounted with permanent adhesive.
 - b. Fonts to be a minimum of 1/2” high and up to 4 characters.
 - c. Numbering sequence to be provided by architect
 5. Door Locks:
 - a. Stainless steel hasp bar for owner supplied padlock.
 6. Provide additional hardware recommended or required by the manufacturer for a complete installation.
- E. Ventilation:
- a. Vertical ventilation: Provide manufacturer’s standard ventilation holes.
 - b. Horizontal ventilation: Provide manufacturer’s standard ventilation plus 50% additional through door ventilation holes in a horizontal pattern.
- F. Accessories and Options:
1. Finished Locker Tops: Where not concealed by soffits, provide 1/2’ thick solid Phenolic top color matched with lockers and installed flat.
 2. Coat Rod: Stainless steel coat rod installed in lockers > 30” high and 18” deep.
- G. ADA Lockers:
1. Provide 4 ADA accessible lockers in the Women’s locker room and 5 ADA accessible lockers in the Men’s locker room in the locations and configurations to be determined by the Architect.
 2. ADA locker to be the bottom tier in 2 tier lockers.
 3. ADA lockers include ADA compliant locks, ID plates, 180 degree hinges and additional shelf.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install secure, level, plumb, and true; shim as required, using concealed shims.
1. Install lockers in locations shown
 - a. Provide blocking as required for solid anchoring and attachment of lockers.
 - b. Install all required trim, fillers, end panels, and closures per manufacturer’s instruction.
 - c. Install hardware specified and additional hardware as may be required for a complete installation.

SECTION 105100 – SOLID PHENOLIC LOCKERS

- d. Install number plates on doors.

3.2 ADJUSTMENT

- A. Adjust doors and locks for smooth operation without binding.
- B. Lubricate door hinges and locks per manufacturer's instructions.

3.2 CLEANING

- A. Clean all surfaces in accordance with manufacturer's instructions.
- B. Do not use abrasive cleaners.

END OF SECTION 105100