SINCLAIR hille architects

Addendum #1

Project Name:	Nebraska Innovation Campus - 4H Building Renovation & NIC Office Building.
Project No.:	11053
Issued:	November 09, 2012
Bid Date:	Thursday, November **20th,** 2012
Bid Opening:	2:00pm – Private Opening
Location:	728 Q Street Suite C, Lincoln, NE 68508

This Addendum is issued to all known bidders before receipt of proposals. This Addendum is to authorize the use of the following information in preparing proposals for the above named project. The bidder **must** enter the number of this Addendum on the **Proposal Sheet.**

GENERAL CLARIFICATIONS

ADD 1-1. A list of plan holders as of this date can be found at A & D Technical Supply, http://www.adtechplans.com

ADD 1-2. Project Duration: Total Project duration shall be no greater than 14 month from Notice to Proceed. Per the Bid Form "Time of Completion" is required to be expressed as noted in the project specifications.

ADD 1-3. Additional Walk Thru: The 4H building will be available for an additional walk thru if necessary on Tuesday November 13th from 10:00am to 12:00pm and from 2:00pm to 4:00pm.

ADD 1-4. Taxes: Bidders are to include applicable taxes in their bids.

MODIFICATIONS TO THE DRAWINGS

ADD 1-5. COVER SHEET

a. A new cover sheet has been issued with this addendum. The following is a list of changes on the sheet:
b. C000, C001, C100, C200, C201, C300, C301, C400 were added.
c. A102C – Has been removed, there is no sheet A102C.
d. A303 – Has been added to the Cover Sheet.
e. A304– Has been added to the Cover Sheet.
f. A354 – Has been removed, there is no sheet A354.
g. A501 – Has been removed, there is no sheet A501.
h. A512 – Title of sheet has been revised.
i. A513 – Has been added to the Cover Sheet.
j. A702D– Has been added to the Cover Sheet.
k. A704D– Has been added to the Cover Sheet.
l. A801C– Has been added to the Cover Sheet.
m. A801D– Has been added to the Cover Sheet.
n. A802D– Has been added to the Cover Sheet.
o. S505AB– Has been removed from the Cover Sheet.
p. S601CD– Has been added to the Cover Sheet.
q. M301B– Has been removed from the Cover Sheet.
r. M302– Has been added to the Cover Sheet

s. M601– Has been added to the Cover Sheet
t. Keynote 057000.B has been changed to “Aluminum Canopy Panels – custom punch pattern, powder coated”

ADD 1-6. DRAWING G101

a. Added sheet G101 – Code Review and Plans – 4H

ADD 1-7. DRAWING G102

a. Added sheet G102 – Code Review and Plans – NIC

ADD 1-8. DRAWINGS C000, C001, C100, C200, C201, C300, C301, C400

a. Added Civil Engineering Drawings, C000, C001, C100, C200, C201, C300, C301, C400.

ADD 1-9. DRAWING A101B

a. The east wall of Tenant 137, Corridor 136 and Tenant 135 is to be a one hour fire rated partition. See the Code Sheet G101 included in this addendum.
b. Refer to the Matchline near grid e9.1, the notes indicated on the east side of the Matchline, Notes 1, 2, 3, 4 and 7 are specific to Sheet **A101A** and are found on that sheet. (A101A).
c. Refer to Note 5 at Column e9.1/eD. That note is specific to Sheet **A101A** and is found on that sheet. (A101A).

ADD 1-10. DRAWING A101C

a. South wall of elevator shaft changed from partition type 4.1 (2hr) to 4.0 (1hr).
b. Door 1102.2 changed to a Pair of 3’-0” X 8’-0” doors and another bollard 055000.E was added. See attached sketch A10/A101C.

ADD 1-11. DRAWING A102A

a. Exterior windows located on the second level in Auditorium 219, Pre-Function 210 and 212 are to have manually operated shades with double rollers (see section 122413, paragraph 2.3. (The arched window in Pre-Function 212 will not have shades.)
b. Refer to Auditorium 219, the section reference L15/G100 is to be changed to L15/G101.

ADD 1-12. DRAWING A102B

a. The east wall of Tenant 224 is to be a one hour fire rated partition. See the Code Sheet G101 included in this addendum.

ADD 1-13. DRAWING A102D

a. South wall of elevator shaft changed from partition type 4.1 (2hr) to 4.0 (1hr).

ADD 1-14. DRAWING A103C

a. Moved location of roof hatch. See attached sketch, A9/A103D.

ADD 1-15. DRAWING A103D

a. South wall of elevator shaft changed from partition type 4.1 (2hr) to 4.0 (1hr).

ADD 1-16. DRAWING A104D

a. Elevator Equipment room changed from 2hr fire rated to 1hr fire rated. See attached sketch, A1/A104D.

ADD 1-17. DRAWING A107

a. Refer to the Room Finish Schedule: The floor finish in rooms 1204, 1206 and 1211, are to be changed from modular carpet (CPTM) to Ceramic Tile (CT).
b. Refer to the Room Finish Schedule: The base finish in rooms 1204, 1206 and 1211, are to be changed from Cove Vinyl (VWB1) to Ceramic Tile (COVE/CT).

ADD 1-18. DRAWING A400

a. Revisions have been made to details K10/A400 and K13/A400. See attachments K10/A400 and K13/A400

ADD 1-19. DRAWING A401

a. Added sheet A401 – Enlarged Details - Area C & D. This sheet contains details of the vertical sunshades and the canopies on the NIC building

ADD 1-20. DRAWING A500

a. Refer to the Door Schedule: Door 123A.1, and door 125A.1, change the Hardware set from Hdwr 19 to Hdwr 45.
b. Refer to the Door Schedule: Change Door 1102.2 from a 4'-0" wide door to a pair of 3'-0" doors.
c. Refer to the Door Schedule: Change Door 1206 from 3'-0" width to 3'-6" width.
d. Refer to the Door Schedule: Change Door 1211 from 3'-0" width to 3'-6" width.
e. Refer to K12 – Hollow Metal Frame Types, HM-03. The glass installed into the hollow metal frame shall provide a 45 minute fire rating.

ADD 1-21. DRAWING A512

a. Added Interior Elevation for typical alcove 3212 & 2212 to Sheet A512 to show tile pattern. See attached sketch A7/A512.

ADD 1-22. DRAWING A513

a. Added wood paneling to Interior Elevation G16/A513 of 2nd & 3rd Level Elevator Lobby. See attached sketch G16/A513.
b. Added wood paneling to Interior Elevation D1/A513 of Main Level Elevator Lobby. See attached sketch D1/A513.
c. Tile pattern added to drawing A1/A513. See attached sketch A1/A513.

ADD 1-23. DRAWING A701A

a. Refer to the Auditorium area. Disregard the section indication L15/G100.

ADD 1-24. DRAWING A701D

a. 1hr horizontal shaftwall ceiling height changed from 13’-0” to 12’-0”. See attached sketch, A1/A701D.

ADD 1-25. DRAWING A704D

a. Ceiling height changed from 7’-0” to 7’-6” in Vest. 4206 and Stair E 4205.
b. Ceiling height changed from 7’-0” to 7’-6” in Elevator Equipment Room 4208. Keynote on ceiling changed from 092116.B2 (2hr horizontal shaftwall) to 092116.B (1hr shaftwall).

ADD 1-26. DRAWING S501AB

a. Refer to attached **Sketch S1**. Provide footing extension as shown in detail. This detail applies at 10 locations in Area A (e10-eA.1, e10-eF.9, e11-eA.1, e11-eF.9, e12-eA.1, e12-eF.9, e13-eF.9, e14-eF.9, e15-eA.1, e15-eF.9).

ADD 1-27. DRAWING S601CD

a. Extend the column located at grid location F.6-6 up to within one inch of the W18 steel beam above. Provide cap plate at top of beam. Provide vertical slip connection between the beam and column. Connection should resist movement in the north-south direction and the east-west direction.

ADD 1-28. DRAWING S302CD

a. Refer to Section 1. The tubes / beams shown in the south wall of the elevator shaft are intended to be within the shaft wall construction.

ADD 1-29. DRAWING S304CD

a. Refer to Section 4. At second floor and at the roof replace the C5x6.7xcont with HSS6x2x1/4"xcont. At second floor replace the C5x6.7 brace with L3x3x1/4" brace @ 5'-0" o.c

ADD 1-30. DRAWING S504AB

a. Refer to attached **Sketch S2**. Provide 2" expansion joint as shown. Refer to architectural drawings for more information.

ADD 1-31. DRAWING S504AB

a. Refer to attached **Sketch S3**. Note the addition of another panel to the schematic. This more closely resembles the actual truss.

ADD 1-32. DRAWING S502CD

a. Refer to attached **Sketch S4**. Note the addition of gussets to the detail.

ADD 1-33. DRAWING S001AB

a. Refer to attached **Sketch S6**. Details have been revised to reflect 5" concrete slab on grade.

ADD 1-34. DRAWING S001CD

a. Refer to attached **Sketch S5**. Reinforcing for lintel type ML3 has been added to the schedule.

ADD 1-35. DRAWING S101A AND S101B

a. Delete all notes referring to masonry infill at the existing perimeter wall. Provide a twelve inch wide concrete wall reinforced with #4's at 12" o.c. each way each face. Refer to architectural for detailing information.

b. Change the noted slab thickness in the slab note from four inches to five inches. The remainder of the note remains as shown.

ADD 1-36. DRAWING S101B

a. The detail mark at the elevator referencing 16/S501AB should be deleted.

ADD 1-37. DRAWING S103A

a. See the note referring to removing the existing truss bridging members. This note refers to and shall be applied to grid eD between grids e13 and e14.

ADD 1-38. DRAWING S501AB

a. Refer to Detail 15. As a matter of clarification, this detail is the typical reinforcing required for openings through concrete walls.

ADD 1-39. DRAWING S303CD

a. Refer to Section 1. The framing members noted as HSS8x4x1/4" BEHIND at grid 5 shall be galvanized.

ADD 1-40. DRAWING P101A

a. Add General Note reading "REFERENCE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF EXTERIOR WALL HYDRANDS AND STORM DOWNSPOUT NOZZELS. COORDINATE INTERIOR PIPING WITH STURUCTRE AND WALLS TO CONCEAL WHERE POSSIBLE."

b. Add General Note reading "ALL EXISTING ROOF DRAIN AND PIPING THROUGHOUT THE EXISTING BUILDING, INCLUDING BELOW GRADE PIPING AT BASE OF RISERS, SHALL BE REMOVED TO COORIDNATE WITH NEW WORK."

c. Add General Note reading "COORDINATE STORM DRAIN INVERT ELEVATIONS WITH EXISTING ABANDONED STORM DRAIN PIPING INVERTS AND EXISTING STRUCTURE."

ADD 1-41. DRAWING P101B

a. Add General Note reading "REFERENCE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF EXTERIOR WALL HYDRANDS AND STORM DOWNSPOUT NOZZELS. COORDINATE INTERIOR PIPING WITH STURUCTRE AND WALLS TO CONCEAL WHERE POSSIBLE."

b. Add General Note reading "ALL EXISTING ROOF DRAIN AND PIPING THROUGHOUT THE EXISTING BUILDING, INCLUDING BELOW GRADE PIPING AT BASE OF RISERS, SHALL BE REMOVED TO COORIDNATE WITH NEW WORK."

c. Add General Note reading "COORDINATE STORM DRAIN INVERT ELEVATIONS WITH EXISTING ABANDONED STORM DRAIN PIPING INVERTS AND EXISTING STRUCTURE."

d. The invert elevation of the 6” building sanitary drain as it transitions to the civil plan shall be 96’-0”.

ADD 1-42. DRAWING P101C

a. Add General Note reading "REFERENCE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF EXTERIOR WALL HYDRANDS AND STORM DOWNSPOUT NOZZELS. COORDINATE INTERIOR PIPING WITH STURUCTRE AND WALLS TO CONCEAL WHERE POSSIBLE."

b. The invert elevation of the 8” storm drain as it transitions to the civil plan shall be 95’-0”.

c. Note: All floor sinks shall be vented, reference revised sheet P501 for vents indicated in riser diagram.

ADD 1-43. DRAWING P101D

a. Replace the entire sheet with reissued sheet P101D.

ADD 1-44. DRAWING P102A

a. Add General Note reading "REFERENCE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF EXTERIOR WALL HYDRANDS AND STORM DOWNSPOUT NOZZELS. COORDINATE INTERIOR PIPING WITH STURUCTRE AND WALLS TO CONCEAL WHERE POSSIBLE."

b. Add General Note reading "ALL EXISTING ROOF DRAIN AND PIPING THROUGHOUT THE EXISTING BUILDING, INCLUDING BELOW GRADE PIPING AT BASE OF RISERS, SHALL BE REMOVED TO COORIDNATE WITH NEW WORK."

ADD 1-45. DRAWING P102B

a. Add General Note reading "REFERENCE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF EXTERIOR WALL HYDRANDS AND STORM DOWNSPOUT NOZZELS. COORDINATE INTERIOR PIPING WITH STURUCTRE AND WALLS TO CONCEAL WHERE POSSIBLE."

b. Add General Note reading "ALL EXISTING ROOF DRAIN AND PIPING THROUGHOUT THE EXISTING BUILDING, INCLUDING BELOW GRADE PIPING AT BASE OF RISERS, SHALL BE REMOVED TO COORIDNATE WITH NEW WORK."

ADD 1-46. DRAWING P102D

a. Note: Main restroom 4” vent stack has been relocated, reference reissued sheets P101D and P501.

ADD 1-47. DRAWING P103D

a. Note: Main restroom 4” vent stack has been relocated, reference reissued sheets P101D and P501.

ADD 1-48. DRAWING P104

a. See attached sketches for revised VTR locations, see **Attachments P104.1 and P104.2**.

b. Add General Note reading "NO ROOF PENETRATIONS, INCLUDING PLUMBING VENTS SHALL BE MADE THROUGH THE HIGH ROOF PORTION OF THE 4H BUILDING BOUNDED BY COLUMN LINES eC, eE, e3, AND e16."

ADD 1-49. DRAWING P501

a. Replace the entire sheet with reissued sheet P501.

ADD 1-50. DRAWING M101B

a. Include a Keyed Note 9 in CORRIDOR 100. Keyed Note 9 to read "DUCTWORK EXPOSED WHERE PASSING FROM CONCEALED SPACE TO ABOVE LAY IN CEILING SHALL BE INSULATED WITH 1” MINERAL FIBER BOARD OR PIPE AND TANK INSULATION WITH ASJ JACKET TO ALLOW FOR FIELD PAINTING WHERE VISIBLE FROM FINISHED SPACE."

b. Add General Note reading "EXACT LOCATION OF EXHAUST GRILLES IN RESTROOMS TO BE COORDINATED AND CENTERED BETWEEN LIGHTING FIXTURES FOR A SYMETTRICAL APPEARANCE."

ADD 1-51. DRAWING M101C

a. In NIC LINK 2101, relocate VAV-2101 sensor south of Column Line M next to egress door to maintain clear surface on West display wall of NIC LINK 2101.

b. Add text to the end of Keyed Note 1 reading "CENTER CEILING AND FLOOR DIFFUSERS ALONG EAST WALL OF NIC LINK 1101 AND NIC LINK 2101 IN THE NORTH/SOUTH DIRECTION BETWEEN COLUMN LINES."

ADD 1-52. DRAWING M101D

a. Add General Note reading "EXACT LOCATION OF EXHAUST GRILLES IN RESTROOMS TO BE COORDINATED AND CENTERED BETWEEN LIGHTING FIXTURES FOR A SYMETTRICAL APPEARANCE."

ADD 1-53. DRAWING M102B

a. Add General Note reading "EXACT LOCATION OF EXHAUST GRILLES IN RESTROOMS TO BE COORDINATED AND CENTERED BETWEEN LIGHTING FIXTURES FOR A SYMETTRICAL APPEARANCE."

ADD 1-54. DRAWING M102D

a. Add General Note reading "EXACT LOCATION OF EXHAUST GRILLES IN RESTROOMS TO BE COORDINATED AND CENTERED BETWEEN LIGHTING FIXTURES FOR A SYMETTRICAL APPEARANCE."

ADD 1-55. DRAWING M103D

a. Add General Note reading "EXACT LOCATION OF EXHAUST GRILLES IN RESTROOMS TO BE COORDINATED AND CENTERED BETWEEN LIGHTING FIXTURES FOR A SYMETTRICAL APPEARANCE."

ADD 1-56. DRAWING M403C

a. Replace the entire sheet with reissued sheet M403C.

ADD 1-57. DRAWING M404D

a. See attached sketches for relocation of RH-2 and RH-3 and ductwork re-routing to coordinate with stair enclosure, see **Attachment M404D.1 and M404D.2**.

ADD 1-58. DRAWING M501

a. Add attached Detail 25, Gas Piping Isometric, see **Attachment M501.1**.

ADD 1-59. DRAWING M601

a. Replace the Gravity Ventilator Schedule with the revised schedule attached, see **Attachment M601.1**.

ADD 1-60. DRAWING ES101

u. See **Attachment ES101.1** for partial revised sheet.

ADD 1-61. DRAWING E101B

a. In rooms Tenant 135, Corridor 136, Tenant 136, remove all Type G2 fixtures (minus the G2 fixtures on the life safety circuit - 7 fixtures to remain). Keep fixtures on life safety circuit shown, remove from normal circuit shown.

b. In Corridor 100, remove all Type M7 fixtures on the north and south ends of the suspended ceilings (8 fixtures total).

c. Revise keyed note 5 to read "SUSPEND FIXTURE DIRECTLY ABOVE THE SUSPENDED CEILING, POSITION FIXTURE 12 INCHES OFF OF EDGE OF CEILING."

ADD 1-62. DRAWING E101C

a. See **Attachment E101C.1** for revised partial plan view.

b. Plan View 1, remove the Type M6 light fixture from under the bench below Stair A.

ADD 1-63. DRAWING E101D

a. In rooms Leasable 1220, 1230, 1240, remove all Type G2 fixtures (minus the G2 fixtures on the life safety circuit - 5 fixtures to remain). Keep fixtures on life safety circuit shown, remove from normal circuit shown.

b. Remove the two Type C2 light fixtures above the vanity area in Rooms Men's 1214 and Women's 1213 (4 fixtures total).

c. In Stair 1210, remove the Type X1 fixture above the door. Relocate the Type S1 fixture above the same door to the west wall.

ADD 1-64. DRAWING E102A

a. All Type N2 fixtures in Dining 211 shall be changed to Type N3.

b. Provide Keyed Note 9 adjacent to each of the junction boxes shown in Auditorium 219 (seven junction boxes total) reading "LIGHTING CIRCUITS FOR STAGE LIGHTING SYSTEM (STAGE LIGHT FIXTURES & MOUNTING COMPONENTS BY OTHERS). IN ADDITION TO LIGHTING CIRCUITS INDICATED, ELECTRICAL CONTRACTOR TO PROVIDE A 1" CONDUIT AND DOUBLE GANG BOX AT THIS LOCATION FOR LIGHTING CONTROL CABLES (CABLES BY OTHERS). ROUTE CONDUITS TO AV BOOTH 216."

ADD 1-65. DRAWING E102B

a. In Room Tenant 224, remove all Type G2 fixtures (minus the G2 fixtures on the life safety circuit - 7 fixtures to remain). Keep fixtures on life safety circuit shown, remove from normal circuit shown.

ADD 1-66. DRAWING E102D

a. In the leasable tenant space, remove all Type G2 fixtures (minus the G2 fixtures on the life safety circuit - 4 fixtures to remain). Keep fixtures on life safety circuit shown, remove from normal circuit shown.

b. Remove the two Type C2 light fixtures above the vanity area in Rooms Men's 2214 and Women's 2213 (4 fixtures total).

ADD 1-67. DRAWING E103D

a. In the leasable Tenant space, remove all Type G2 fixtures (minus the G2 fixtures on the life safety circuit - 4 fixtures to remain). Keep fixtures on life safety circuit shown, remove from normal circuit shown.

b. Remove the two Type C2 light fixtures above the vanity area in Rooms Men's 3214 and Women's 3213 (4 fixtures total).

ADD 1-68. DRAWING E104B

a. Adjust the locations of the duplex receptacle and adjacent fire alarm wall speaker strobe from the vanity on north wall of Room Women 107 to the north adjacent to the manual fire alarm pul lstation in Room Tenant 137.

ADD 1-69. DRAWING E104C

a. Plan View 2, include Keyed Note 7 at each floor power receptacle box on the east wall (3 receptacles total). Keyed note 7 to read "THERE ARE HVAC LINEAR FLOOR DIFFUSERS ADJACENT TO THE EAST LINK WALL. LOCATE POKE THROUGH DEVICES TO THE EAST OF THESE DIFFUSERS, 6" FROM THE EAST EDGE OF THE DIFFUSERS. COORDINATE WORK WITH ALL APPLICABLE TRADES."

b. Plan View 1, adjust location of all duplex receptacles designated with a keyed note 4 to 13" AFF (height to center of outlet box) as these receptacles will be installed below the furred out east wall (5 receptacles total).

ADD 1-70. DRAWING E106D

a. Plan View 2, replace the Keyed Note 1 in Room Elev Equip 4208 with a Keyed Note 3.

ADD 1-71. DRAWING E401

a. Plan View 1, replace the text '???' in the second to last sentence of Keyed Note 1 with text reading "COM-LKL1, CIRCUIT NO. 40."

b. Revise the third sentence of Keyed Note 2 beneath the six enlarged Data Room plans to read "SEE DETAIL 1 ON SHEET E504 FOR COMMUNICATION RISER AND MORE INFORMATION ON THE RACK REQUIREMENTS."

c. Revise the second sentence of Keyed Note 4 beneath the six enlarged Data Room plans to read "SEE DETAILS 1 AND 2 ON SHEET E505 FOR TYPICAL DOOR CONFIGURATION, WORK RESPONSIBILITIES EXPLANATION, AND ACCESS CONTROL SCHEMATIC DIAGRAM."

d. Revise the second sentence of Keyed Note 5 beneath the six enlarged Data Room plans to read "SEE DETAIL 3 ON SHEET E505 FOR VIDEO SECURITY CAMERA SCHEMATIC DIAGRAM AND ADDITIONAL INFORMATION."

ADD 1-72. DRAWING E402

a. See **Attachment E402** for re-issued sheet.

ADD 1-73. DRAWING E501

a. Delete Detail 6 'Type L1 Fixture Installation Detail' in its entirety.

ADD 1-74. DRAWING E504

a. Detail 1, replace the phrase 'TYPE LC' with 'TYPE MTP' in the last sentence of Keyed Note 6.

ADD 1-75. DRAWING E505

a. Detail1, Keyed Note 8, replace the word 'ELECTRICAL' with 'SECURITY' in the second sentence of the paragraph.

ADD 1-76. DRAWING E601

a. Modify the description of transformer UNL-T-KIT to read " XFMR UNL-T-KIT 75 KVA."

b. Modify the feeder key for the feeder from the secondary side of transformer UNL-T-KIT to the fused disconnect and from the fused disconnect to Panel UNL-KIT from an '8' to a '6' as circuit will be fed with No. 4/0 conductors.

ADD 1-77. DRAWING E602

a. Change the description of Panel UNL-KIT from "225 AMP MAIN CIRCUIT BREAKER" to "225 MAIN LUG ONLY."

b. Change the circuit descriptions for circuits 70, 72,74,76,78 in Panel UNL-L1 from "ELEV 02" to "ELEV 01."

ADD 1-78. DRAWING E604

a. On the Lighting Fixture Schedule, replace the schedule with the schedule attached with this addendum. (**Attachment E604.1)**

MODIFICATIONS TO THE SPECIFICATIONS

ADD 1-79. SECTION 008000 - SUPLEMENTAL GENERAL CONDITIONS

a. Refer to Article 13.15.1, Liquidated Damages, change the liquidated damages amount from $3,000.00 to $2,000.00.

ADD 1-80. SECTION 012100 – ALLOWANCES

a. Refer to Article 3.3 SCHEDULE OF ALLOWANCES: The Schedule of Allowances has been revised. See attachment, Allowances.

ADD 1-81. SECTION 015000 – TEMPORARY FACILITIES

a. Refer to Paragraph 2.3.A, add the following:

3. Permanent HVAC equipment may be used following completion of the building envelope and major dust producing portion of construction such as the installation and finishing of drywall. Prior to starting any equipment for temporary use Owner shall be notified for final approval. Contractor shall provide MERV 8 filter at each return air grille in the operated systems which shall be removed at the end of construction prior to Testing, Adjusting and Balancing. Contractor is responsible for extension of warranties for equipment started prior to Substantial Completion to provide full specified warranties from the date of Substantial Completion. Owner reserves the right to review the cleanliness of the ductwork system and require corrective action if at any time the contractor is not providing adequate protection.

ADD 1-82. SECTION 016000 – PRODUCT REQUIREMENTS

a. Refer to Paragraph 2.1.B.3, add the following:

4. Where specifications name a product or refer to a Basis of Design and include a list of acceptable manufacturers, that have comparable products, if a manufacturer of a comparable product is selected, the Contractor will be responsible for any changes necessary to incorporate the comparable product into the work.

ADD 1-83. SECTION 057000 – DECORATIVE METAL

a. Replace this section with the section included with this addendum. Exterior canopies of custom punched sheet metal were added to this section. See attachment, Section 057000 – Decorative Metal.

ADD 1-84. SECTION 081113 – HOLLOW METAL DOORS AND FRAMES

a. Refer to Article 2.1 MANUFACTURERS. Add the following manufacturer as an approved Manufacturer:
    a. West Central Manufacturing, 910 E St Andrew, Rapid City SD.

ADD 1-85. SECTION 087100 – DOOR HARDWARE

a. Refer to Article 3.7 DOOR HARDWARE SCHEDULE. Revise hardware set 36 in accordance with the revised HDWR 36 included with this addendum. See attachment.

ADD 1-86. SECTION 081416 – FLUSH WOOD DOORS

a. Refer to Paragraph 2.2.B, Delete this paragraph.

ADD 1-87. SECTION 092900 – GYPSUM BOARD

a. Refer to Paragraph 2.4.A.1, Add the following as acceptable products:

    c. National Gypsum; E2XP Tile Backer.
    d. Temple Inland; Green GlassTile Backer.

ADD 1-88. SECTION 092216 – NON-STRUCTURAL METAL FRAMING

a. Refer to Paragraph 2.2.C.1 Studs and Runners: Change the minimum metal thickness from 0.033 to 0.0312.
b. Refer to Paragraph 2.2.C.2 Dimpled Steel Studs and Runners: Delete this paragraph.
c. Refer to Paragraph 2.2.D.2.a, add the following manufacturers:

    1. ClarkWestern Bulding Systems, Inc.
    2. Marino/WARE.
    3. SCAFCO Corporation

ADD 1-89. SECTION 102226 – OPERABLE PARTITIONS

a. Refer to Paragraph 2.2.A.1, Add the following paragraph:
    b. Panelfold is an approved Manufacturer.

ADD 1-90. SECTION 108200 – LOUVERED ROOF TOP EQUIPMENT SCREENS

a. Refer to Paragraph 2.3.A.1.a, Add the following:
    b. Construction Specialties is an approved Manufacturer.

ADD 1-91. SECTION 116143 – STAGE CURTAINS

a. Refer to Article 2.3 ALUMINUM CURTAIN TRACK. Revise the track series to a 100 series track. There is no curved track in the project.

ADD 1-92. SECTION 142400 – HYDRAULIC ELEVATORS

a. Refer to Paragraph 2.1, add the following:

C. Comparable Products: If a manufacturer of a comparable product is selected, the Contractor will be responsible for any changes necessary to incorporate the comparable product into the work.

ADD 1-93. SECTION - VARIOUS MECHANICAL SPECIFICATIONS

a. The following manufacturers have received prior approval for the sections listed for bidding purposes subject to shop drawing review:

1) 233113 – Metal Ducts (Single and Double Wall Spiral Duct)	Lewis & Lambert
2) 233413 – Axial HVAC Fans	Twin City Fan
3) 233423 – HVAC Power Ventilators	Twin City Fan
4) 233723 – HVAC Gravity Ventilators	Twin City Fan
5) 235700 – Heat Exchangers For HVAC	Graham
6) 238146 – Water-Source Unitary Heat Pumps	McQuay

ADD 1-94. SECTION 230593 - TESTING, ADJUSTING AND BALANCING FOR HVAC

a. Under Article 3.1, Paragraph A, add Sub-paragraph 3 reading "Balcon."

ADD 1-95. SECTION 260943 – NETWORKED LIGHTING CONTROLS

a. Replace Section 260943 in its entirety with the attached Section 260943.

ADD 1-96. SECTION 271300 - COMMUNICATIONS BACKBONE CABLING

a. Under Article 2.5, replace Paragraphs B and C with the following:

A. Description: Multimode, 50-micrometer, OM4 compliant, 24-fiber (unless otherwise noted), nonconductive, tight-buffer, optical-fiber cable.

1. Comply with ICEA S-83-596 for mechanical properties.
2. Comply with TIA-568-C.3 for performance specifications.
3. Comply with TIA-492AAAB-A for detailed specifications.
4. Listed and labeled by an NRTL acceptable to authorities having jurisdiction as complying with UL 444, UL 1651, and NFPA 70 for the following types:

    a. Riser Rated, Nonconductive: Type OFNR or Type OFNP complying with UL 1666.

5. Maximum Attenuation: 3.5 dB/km at 850 nm; 1.5 dB/km at 1300 nm
6. OM4, for laser-optimized 50um fiber having 4700 MHz*km EMB bandwidth designed for 10 Gb/s, 40 Gb/s, and 100 Gb/s transmission.

B. Jacket:

1. Jacket Color: Aqua.
2. Cable cordage jacket, fiber, unit, and group color shall be according to TIA-598-C.

3. Imprinted with fiber count, fiber type, and aggregate length at regular intervals not to exceed 40 inches.

b. Under Article 2.5, Paragraph D, replace Subparagraph 2 with text reading "Quick-connect, Type MTP connectors."

ADD 1-97. SECTION 271500 - COMMUNICATIONS HORIZONTAL CABLING

a. Under Article 2.3, Paragraph B, Subparagraph 3, replace Sub-subparagraph A with text reading "Flush mounting jacks, positioning the cord perpendicular to faceplate."

End of Addendum #1

BID PROPOSAL

CONTRACTOR:

DATE:

TO: **NEBRASKA NOVA LLC**
c/o Scott Woodbury Wiegert
728 Q Street, Suite C
Lincoln, Nebraska 68508

RE: **4H and NIC SDL1 Buildings**
Nebraska Innovation Campus
Lincoln, Nebraska

The undersigned having carefully examined the drawings, the Instructions to Bidders, the Contract Form, Supplementary General Conditions, and Specifications pertaining to the above-referenced Project; having familiarized myself with the site and job conditions; and having visited the site and observed and accepted all existing conditions, hereby proposes and agrees to furnish all labor, materials, equipment, plant, transportation, services, sales taxes, inspection fees, permits, testing, and other costs necessary to complete the construction of the Work for the above Project in strict conformity with said Documents and any Work specified in Addenda for the lump-sum cost and terms as described below.

I acknowledge receipt of **Addenda:** _____.

FIXED LUMP SUM BASE BID:

	4H Building	NIC SDL1 Building
Cost for all building construction and associated improvements for the 4H and Connector Buildings and	$	
Cost for all building construction and associated improvements for the NIC SDL1 Building is:		$
Cost for all site and utility work within the designated contract limit area, which shall include grading of entire site, is:	$	
TOTAL FIXED LUMP SUM BASE BID **(Aggregate amount to equal the sum of each individual building)**	#VALUE!	

ALTERNATES

1 Bidder acknowledges that an alternate is an amount proposed by Contractor and stated on the Bid Form that will be added to or deducted from Base Bid Amount if Owner decides to accept a corresponding change in either Scope of Work or in products, materials, equipment, systems, or installation methods described in Contract Documents.

2 Bidder acknowledges its responsibility to coordinate related work and modify or adjust adjacent work as required so that alternate is complete and fully integrated. Any additional cost or savings associated with adjustments or modifications in adjoining work are included in the respective alternate. Alternate also includes any miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

3 Owner shall generally notify Bidder of selected alternates in conjunction with the award of the contract. Notwithstanding, Bidder acknowledges that Owner has the right to defer a decision on any alternate until after an award at no additional cost to the Owner provided the final decision thereof is made in a timely manner as to not affect the normal sequencing of the Work.

	Description	4H Building	NIC SDL1 Building
1a	Provide traditional chiller/boiler central plant system with McQuay WMC250	$	$
1b	Provide chiller/heater central plant system with Trane RTWD screw chiller/heaters	$	$
1c	Provide chiller/heater central plant system with Multistack chiller/heaters	$	$
2	PVC Aboveground Sanitary Waste, Vent and Storm Drain Piping	$	$
3	PVC Underground Sanitary Waste, Vent and Storm Drain Piping	$	$
4	Pressure Seal Copper Fittings.	$	$
5	Data Room VAV Boxes.	$	$
6	Parking Lot Screen Walls	$	$
7	West Sun Shading.	$	$
8	Canopy.	$	$

BID PROPOSAL

ALLOWANCES

1 Where allowances are called for, Bidder has included the amount in its Base Bid.

2 Bidder's costs for unloading, handling, labor, installation, overhead, profit, and other expenses contemplated for the original allowance shall be included in the Base Bid and not in the allowance.

3 Bidder acknowledges that the Contract Sum will be adjusted by the actual cost of the allowance without any application of or adjustment to overhead, profit, general conditions, or other expenses associated therewith for handling and labor.

4 Bidder acknowledges that the Contract Sum will be adjusted for unit-cost type allowances based solely on the difference between the actual unit purchase amount and the unit allowance multiplied by the final measure or count of work-in-place with reasonable adjustment, where applicable, for cutting losses, tolerances, mixing wastes, and similar margins. No mark-up shall be included with respect to allowance costs and change order prices.

Cost of each item to be included in Base Bid.		4H Building	NIC SDL1 Building
1	Cost of all permits (see section 012100 for direction in dividing permit amount) included in the Base Bid are:	$	$
1	Cost of all Impact Fees included in the Base Bid are:	$26,098.00	$104,392.00
2	Quality control and testing. Indicate the amount included in Base Bid.	$5,000.00	$5,000.00
3	Signage Allowance	$2,500.00	$2,500.00
4	Contingency Allowance	$ 120,000.00	$120,000.00

PERFORMANCE BOND

The undersigned agrees if awarded the Contract and, if so directed by Owner, to deliver to the Owner within 10 calendar days after signing the Contract, a satisfactory Performance and 100% Material and Labor Payment Bond on a form and with a bonding company acceptable to Owner. The cost of such Bond will be added to the Lump Sum Base Price.

1	The cost of the bonds described above will be equal to: (express as a % of the Contract Sum)	%	%
2	Adjustments to the above amount based on changes in scope (indicate % if different from the % above):	%	%

BID PROPOSAL

TIME OF COMPLETION

The time period required to complete the work expressed in the number of calendar days from the time of Notice to Proceed is as indicated. The dates established below are based on the assumption that the Contract for the entire project is awarded within no more than 60-days of the receipt of bids and that a building permit is available to be picked up as of the date of the Notice to Proceed. Any Notice to Proceed will include authorization to proceed on both buildings simultaneously.

1	If this proposal is accepted, the undersigned agrees to complete building core and shell construction for the NIC SDL1 Building within the number of calendar days indicated from the date of receipt of Notice to Proceed.		Days
2	Time required to complete the 4H and Connector Building construction including interior finish for common areas and UNL conference center portion after given Notice to Proceed is:		Days
3	Time required to complete site and utility work including landscaping after given Notice to Proceed is:		Days
4	Contractor agrees to pay liquidated damages in the amount of $2,000.00 per day for each calendar day that work is not substantially complete beyond the indicated time of completion of the each portion of the work.	$ 2,000.00	$ 2,000.00

CHANGES IN THE WORK

The undersigned agrees if work is added or deducted by written order of the Owner and such work is not called out as an alternate or a unit price, the cost of such changes shall be determined in accordance with the provisions of the Supplementary General Conditions and the percentage mark-up added shall be as follows:

1	For work not scheduled, performed by this contractor, mark-up on account of all General Conditions and contractor profit and overhead on net-direct cost of materials and labor will be as indicated. Material, labor, and equipment rates to be as described in A201 General Conditions of the Contract, as modified.		%
2	For work not scheduled, performed by any subcontractor, mark-up for contractor on account of all General Conditions, profit and overhead on subcontractor costs will be as indicated. Material, labor, equipment rates, and subcontractor mark-up to be as described in A201 General Conditions of the Contract, as modified.		%
3	For work deleted, general contractor's mark-up and/or credit on account of general supervision, overhead and other general conditions shall be as indicated. Insert zero if none or provide the % of additional credit to be added to the actual value of the work deleted.		%

BID PROPOSALS AND CONTRACT

1. The undersigned understands that the preparation and submission of this Proposal and other quotations herein contained does not obligate the Owner or Architect in any way; and that the Owner assumes no obligation to enter into a contract for the work.
2. If awarded a contract or contracts for the work, the undersigned agrees to execute the Contract Agreement on the form provided herein with the appropriate blank spaces filled in, in accordance with the above-stated compensation.
3. This Bid Proposal is a firm offer continuing for sixty (60) days after the date set for the opening of bids. If the undersigned is notified of the acceptance of this Proposal within the 60 day period, he agrees to execute the Construction Contract for the above-stated compensation.
4. A 5% Bid Bond is included herewith. If Owner notifies contractor of its intent to award the work and contractor fails to enter into the Contract Agreement in substantially the form provided, or fails to provide Performance and 100% Labor and Materials Payment Bonds (if requested by Owner), contractor shall forfeit the amount of its Bid Bond.

UNIT PRICES

1. Bidder acknowledges that unit pricing may be used as the basis for adjusting the Contract Sum on account of changes in the scope of the work. The unit amount shown multiplied by the in-place quantity shall be the method by which any adjustment will be calculated. Unit price adjustments may be either a deduction from or an addition to the Base Bid price without any additional mark-up for overhead and profit or General Conditions.
2. Bidder acknowledges that unit pricing will be in effect for the duration of the construction contract time, but will not be effective for work necessary to be performed after normal construction periods unless agreed to otherwise.

1		$	Per SF
2		$	Per SF
3		$	Per SF
4		$	Per SF
5		$	Per SF

SEPARATE CONTRACTS

1. Bidder acknowledges that Owner has the right to let other contracts and to employ other contractors in connection with this project including the construction of tenant improvements. Bidder shall afford such other contractors reasonable opportunity for the storage of materials and equipment, and at such time that does not materially interfere with Bidder's work, to commence construction of their work. Bidder shall properly coordinate the work of separate contractors with Bidder's work and allow connection to its facilities.
2. Bidder recognizes that plans for tenant improvements or Owner-provided work will be issued as separate bid packages. It is the Owner's intent, but not obligation, to allow the successful Bidder to submit a bid proposal on all such work, recognizing that, in some instances, tenants may perform their own tenant work.

BID PROPOSAL

THE UNDERSIGNED CERTIFIES

1. That he/she has reviewed and understands the drawings, specifications, scope of the work, and sample contracts provided relating to this Project.
2. That he/she has the equipment, technical ability, personnel, and facilities to construct the Project in accordance with the drawings and specifications.
3. That he/she has inspected the site and familiarized himself with the requirements of Lincoln City and other municipal agencies having jurisdiction.
4. That he/she has qualified each of his subcontractors and materials suppliers and determined that such persons have the equipment, technical ability, personnel, and facilities to perform their work in accordance with the Contract Documents; and that each subcontractor has the financial capacity to fulfil all aspects of the work.

FIRM NAME: _____

SIGNED BY: _____

TITLE: _____

DATE: _____

ADDRESS: _____

TELEPHONE NO: _____

LICENSE NO: _____

BONDING AGENT: _____

PHONE NUMBER. _____

STATE OF INCORPORATION: _____

SECTION 057000 - DECORATIVE METAL

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. This Section includes the following:

1. Architectural screen wall assembly consisting of a welded aluminum structural frame, stainless steel woven fabric.
2. Exterior canopy

B. Related Sections include the following:

1. Division 05 Section "Metal Fabrications" for non-ornamental metal fabrications.
2. Division 05 Section "Decorative Metal Railings" for ornamental metal railings.

1.3 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide metal fabrications capable of withstanding the effects of loads and stresses indicated on the drawings. The architectural screen wall assembly supplier shall obtain all internal spring tension and wind load reactions, as well as ice loads, from the screen woven fabric supplier, and the design wind and snow loads from the louver supplier; and include these internal forces in the aluminum frame component structural design.

1. The architectural screen wall assembly structural design shall be sealed by a professional engineer registered in the State of Nebraska and submitted for review/approval with the aluminum component shop drawings.

B. Thermal Movements: Provide exterior metal fabrications that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated, including finishing materials.

1. Stainless steel woven fabric.

B. Shop Drawings: For ornamental metal. Include plans, elevations, component details, and attachments to other work. Indicate materials and profiles of each ornamental metal member, fittings, joinery, finishes, fasteners, anchorages, and accessory items.

1. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items.
2. For installed products indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

C. Samples for Verification: For each type of exposed finish required.

1. Stainless steel woven wire cloth.

D. Welding certificates.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Arrange for installation of ornamental metal specified in this Section by the same firm that fabricated it.

B. Fabricator Qualifications: A firm experienced in producing ornamental metal similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

C. Engineering Responsibility: Preparation of Shop Drawings, design calculations, and other structural data by a qualified professional engineer.

D. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated.

E. Product Options: Information on Drawings and in Specifications establishes requirements for systems' aesthetic effects and performance characteristics. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction.

1. Do not revise intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If revisions are proposed, submit comprehensive explanatory data to Architect for review.

F. Welding: Qualify procedures and personnel according to the following:

1. AWS D1.6, "Structural Welding Code--Stainless Steel."

G. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store ornamental metal inside a well-ventilated area, away from uncured concrete and masonry, and protected from weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

1.7 PROJECT CONDITIONS

A. Field Measurements: Verify actual locations of walls and other construction contiguous with ornamental metal by field measurements before fabrication and indicate measurements on Shop Drawings.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating railings without field measurements. Coordinate wall and other contiguous construction to ensure that actual dimensions correspond to established dimensions.
2. If practical, provide allowance for fitting at site.

1.8 COORDINATION

A. Coordinate installation of anchorages for ornamental metal items. Furnish setting drawings, templates, and directions for installing ornamental metal items.

PART 2 - PRODUCTS

2.1 METALS, GENERAL

A. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.

B. Stainless Steel: AISI T316.

2.2 SHEET METAL

A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections where exposed to view on finished units.

B. Aluminum Sheet: Flat sheet complying with ASTM B 209 (ASTM B 209M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with not less than strength and durability properties of Alloy 5005-H32.

2.3 VERTICAL SUNSHADE UNITS

A. Basis-of-Design Products: Subject to compliance with requirements, provide product indicated or comparable product substitution approved during bidding.

B. Stainless steel woven wire cloth:

1. W.S. Tyler DOKAWELL-MONO 3601.

a. Open area: 52% with long dimension of slots parallel to the width.

2. Provide stainless steel brackets, tensioning devices, and hardware as required to install wire cloth to the frame structure and to conform to the design drawings in the Construction Documents.

2.4 EXTERIOR CANOPIES

A. Manufacturers: Subject to compliance with requirements, provide the following:

1. TMCO, Inc.

B. Custom punched sheet metal panels: Form custom punched sheet metal panels as shown on the drawings from metal of type and thickness indicated below.

1. Punch pattern: Custom punch pattern as designed by Architect.

2. Aluminum Sheet: 0.125 inch (3.20 mm).

a. Finish: Baked powder coat.

2.5 FASTENERS

A. Fastener Materials: Unless otherwise indicated, provide the following:

1. Dissimilar Metals: Type 304 stainless-steel fasteners.

B. Fasteners for Anchoring to Other Construction: Unless otherwise indicated, select fasteners of type, grade, and class required to produce connections suitable for anchoring indicated items to other types of construction indicated.

C. Provide concealed fasteners for interconnecting components and for attaching ornamental metal items to other work, unless otherwise indicated or exposed fasteners are unavoidable.

D. Stainless-Steel Fittings: Connectors of types indicated, fabricated from stainless steel, and with capability to sustain, without failure, a load equal to minimum breaking strength of wire rope with which they are used.

2.6 MISCELLANEOUS MATERIALS

A. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.

2.7 FABRICATION, GENERAL

A. Assemble items in the shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation. Use connections that maintain structural value of joined pieces.

B. Form ornamental metal to required shapes and sizes, true to line and level with true curves and accurate angles and surfaces. Finish exposed surfaces to smooth, sharp, well-defined lines and arris.

C. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.

D. Form simple and compound curves in bars and extruded shapes by bending members in jigs to produce uniform curvature for each configuration required; maintain cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces.

E. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm), unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.

F. Mill joints to a tight, hairline fit. Cope or miter corner joints. Fabricate connections that will be exposed to weather in a manner to exclude water.

G. Provide weep holes where water may accumulate.

H. Provide necessary rebates, lugs, and brackets to assemble units and to attach to other work. Cut, reinforce, drill, and tap as indicated to receive finish hardware, screws, and similar items, unless otherwise indicated.

I. Comply with AWS for recommended practices in shop welding. Weld behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded joints of flux, and dress exposed and contact surfaces.

2.8 FABRICATING ARCHITECTURAL SCREEN PANEL FRAMES

A. Fabricate screen wall frames from extruded aluminum of profiles, and to sizes and shapes indicated or as required to meet specified performance requirements.

B. After the finish is applied to the frame, attach the woven wire cloth and fastening system accessories to the frame as per the wire cloth supplier. Install cloth with tensioning as specified by the cloth supplier to provide design appearance.

C. At any joints between dissimilar metal pieces, provide a suitable barrier to prevent galvanic action.

2.9 FINISHES, GENERAL

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

2.10 ALUMINUM FINISHES

A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

B. Baked-Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils (0.04 mm). Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

1. Color and Gloss: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of ornamental metal.

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

3.2 INSTALLATION, GENERAL

A. Provide anchorage devices and fasteners where needed to secure ornamental metal to in-place construction.

B. Perform cutting, drilling, and fitting required to install ornamental metal. Set products accurately in location, alignment, and elevation; measured from established lines and levels.

Provide temporary bracing or anchors in formwork for items to be built into concrete, masonry, or similar construction.

C. Fit exposed connections accurately together to form tight, hairline joints or, where indicated, with uniform reveals and spaces for sealants and joint fillers. Where cutting, welding, and grinding are required for proper shop fitting and jointing of ornamental metal, restore finishes to eliminate evidence of such corrective work.

D. Do not cut or abrade finishes that cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing, or provide new units as required.

E. Field Welding: Comply with applicable AWS specification for procedures of manual shielded metal arc welding, for appearance and quality of welds, and for methods used in correcting welding work. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Grind exposed welded joints smooth and restore finish to match finish of adjacent surfaces.

3.3 INSTALLATION

A. Mount architectural screen assembly at heights and in positions indicated, adjusting ductwork to be centered on grilles if any.

3.4 CLEANING

A. Unless otherwise indicated, clean metals by washing thoroughly with clean water and soap, rinsing with clean water, and drying with soft cloths.

3.5 PROTECTION

A. Protect finishes of ornamental metal from damage during construction period with temporary protective coverings approved by ornamental metal fabricator. Remove protective covering at time of Substantial Completion.

B. Restore finishes damaged during installation and construction period so no evidence remains of correction work. Return items that cannot be refinished in the field to the shop; make required alterations and refinish entire unit, or provide new units.

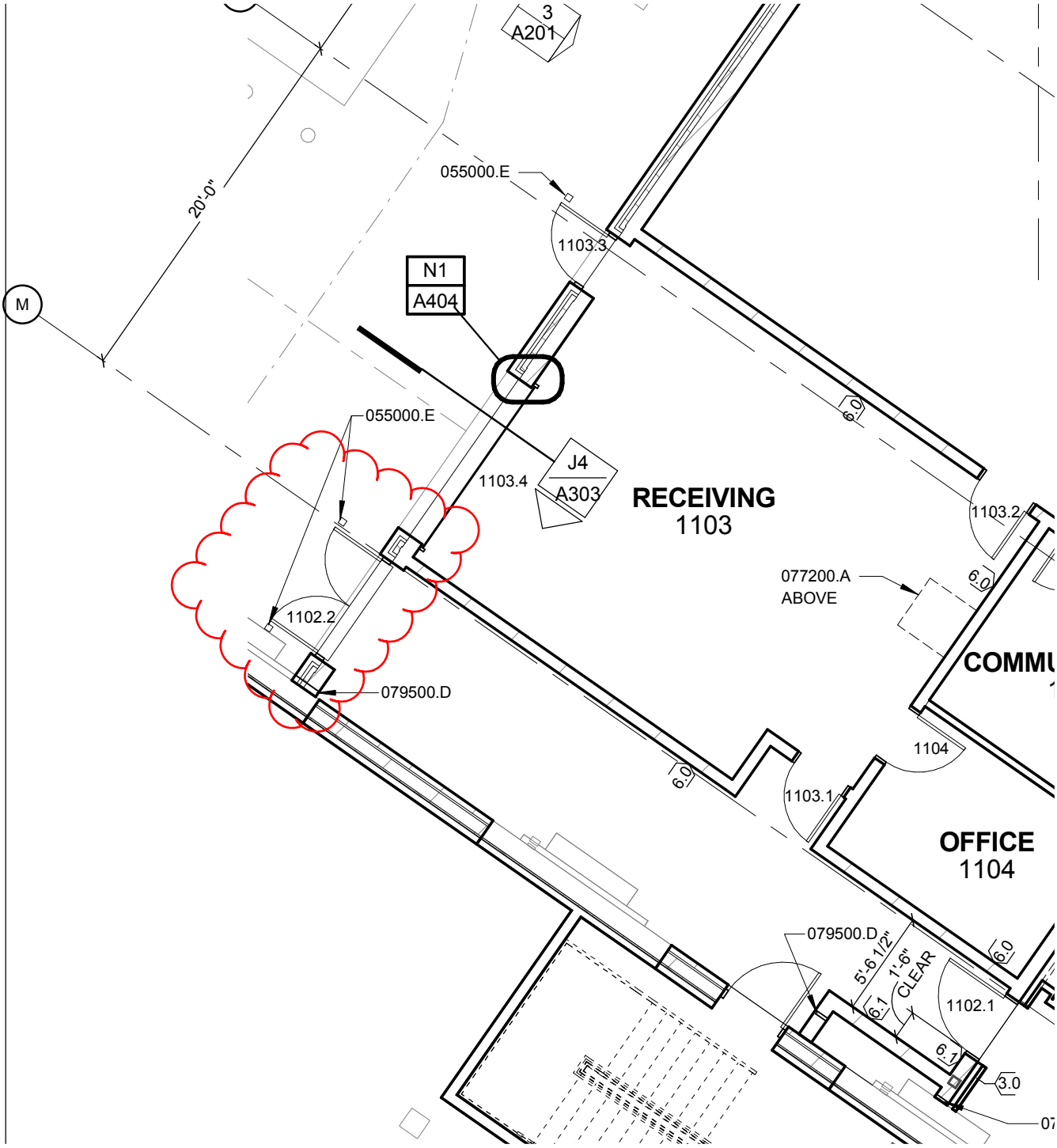
END OF SECTION 057000

SET # 36

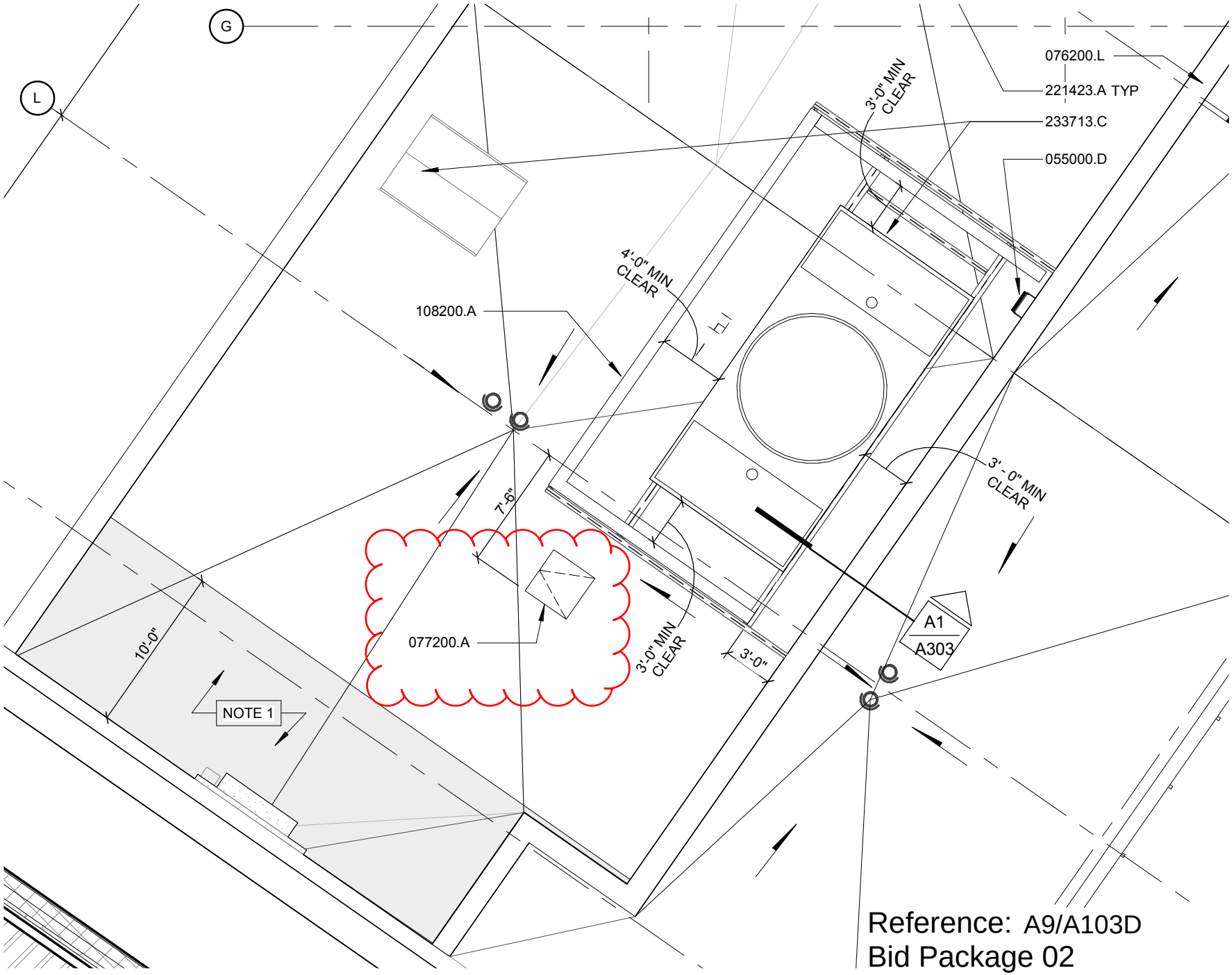
DOOR 1102.2,

EACH DOOR TO HAVE:

8	HINGES	T4A3386 5 X 4 ½ US26D NRP	MCKINNEY
2	ELECTRIC HINGE	T4A3786-QC12 5 X 4 ½ US26D NRP	MCKINNEY
2	EXIT DEVICE	63-64-16-DG2-55-12-8876 US32D	SARGENT
1	REMOVABLE MULLION	63-64-DG2-12-L980	SARGENT
1	MULLION CYLINDER KIT	63-64-DG2-980C1	SARGENT
2	CLOSERS	EN351-PS	SARGENT
2	KICKPLATES	8” X 2” LDW US32D B4E CSK	ROCKWOOD
1	THRESHOLD	S205A	REESE
2	SWEEPS	354A X TEK SCREWS	REESE
2 SETS	WEATHERSTRIPPING	769A X TEK SCREWS	REESE
1	POWER SUPPLY	BPS-24-1	SECURITRON
2	POSITION SWITCH	3287	SARGENT
2	WIRING HARNESS	QC-C400P	MCKINNEY
2	WIRING HARNESS	QC-C1500P	MCKINNEY
1	CARD READER (FRAME MOUNTED)	BY SECURITY CONTRACTOR	



Reference: A10/A101C
Bid Package 02
Addendum 01
4H Renovation & NIC Building

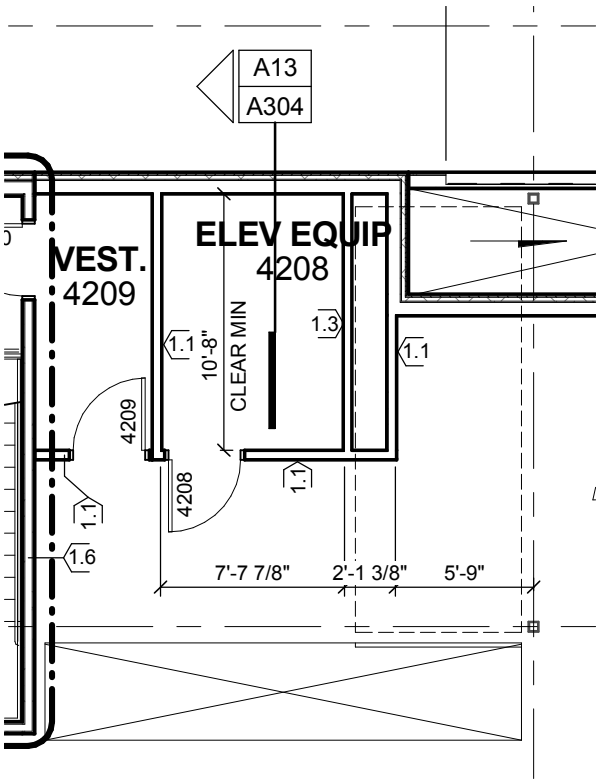


Reference: A9/A103D

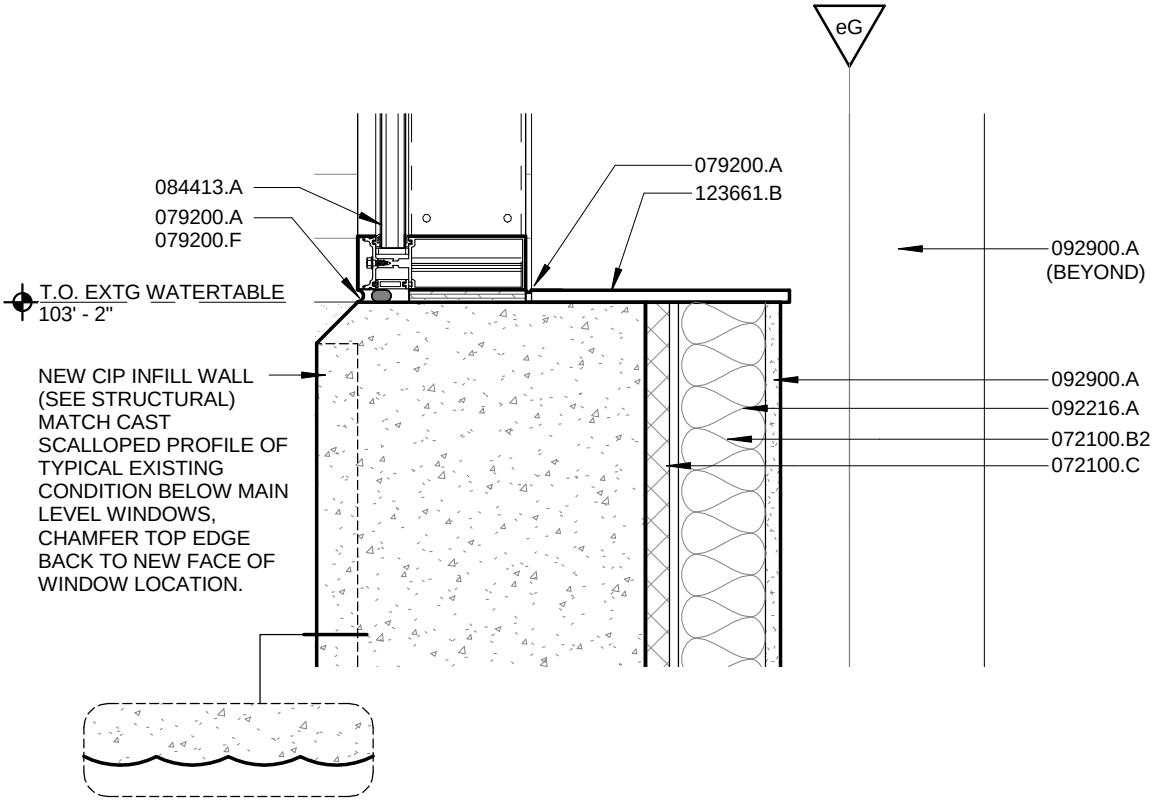
Bid Package 02

Addendum 01

4H Renovation & NIC Building

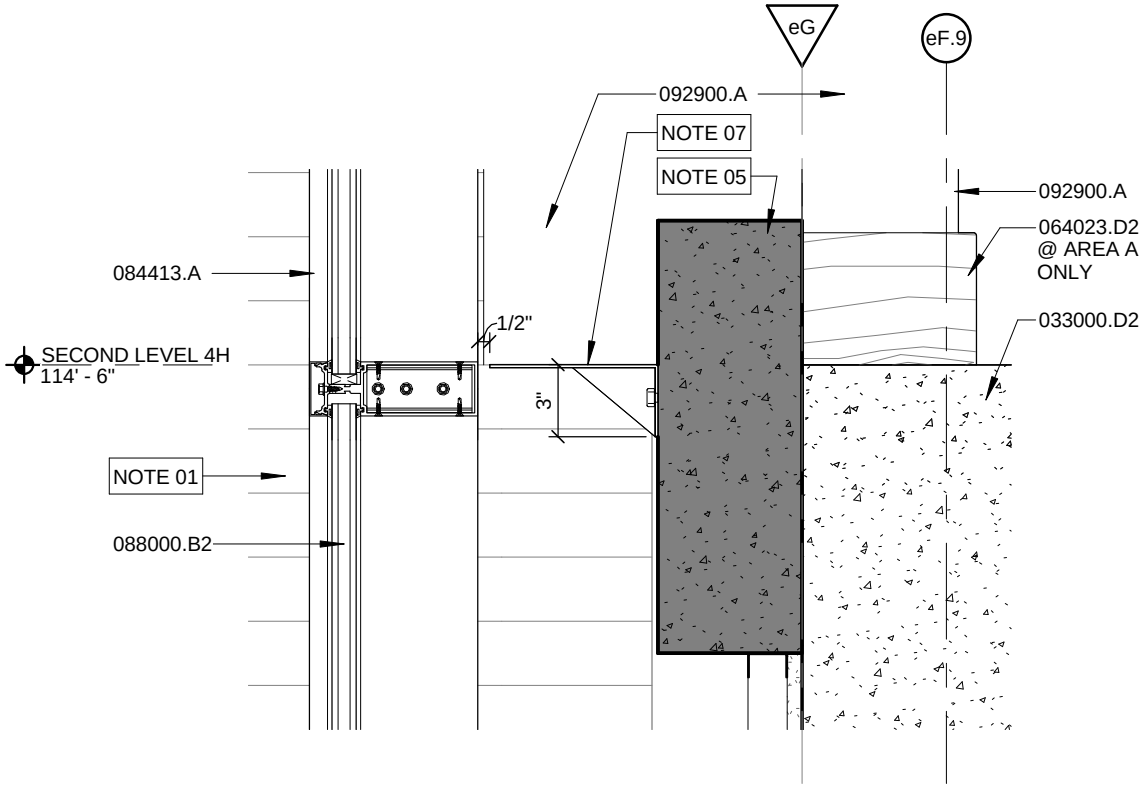


Reference: A1/A104D
Bid Package 02
Addendum 01
4H Renovation & NIC Building



K10/A400

Bid Package 02
Addendum 01

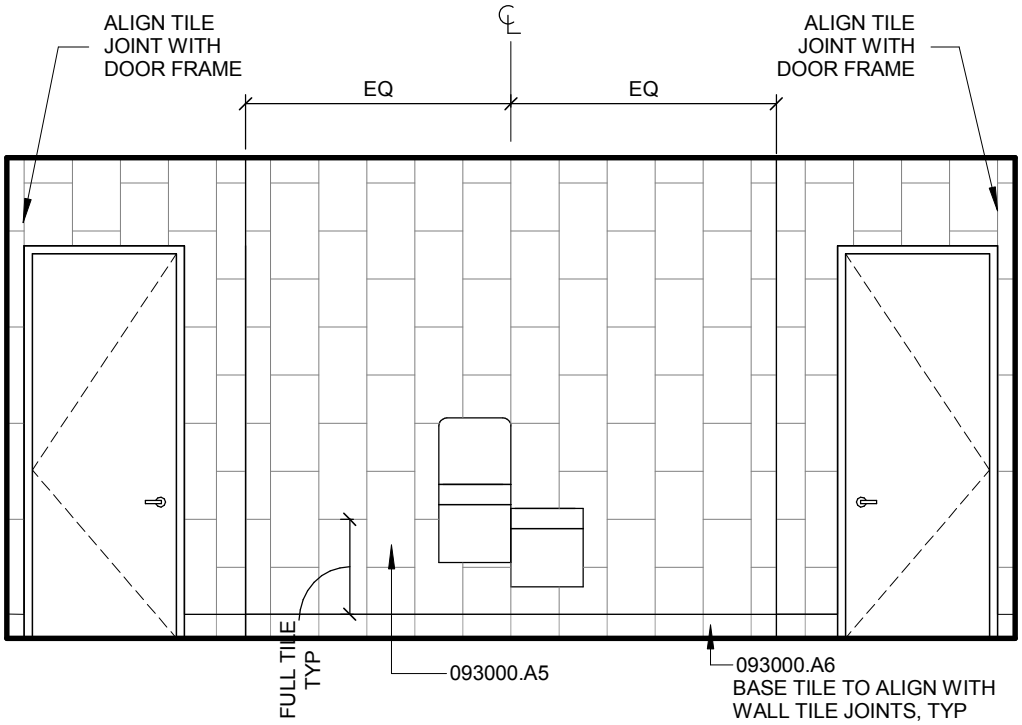


K13 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"

TYPICAL 2ND FLR ENCLOSURE @ GRAND ARCHES AREA A (AREA B SIMILAR)

K13/A400
Bid Package 02
Addendum 01



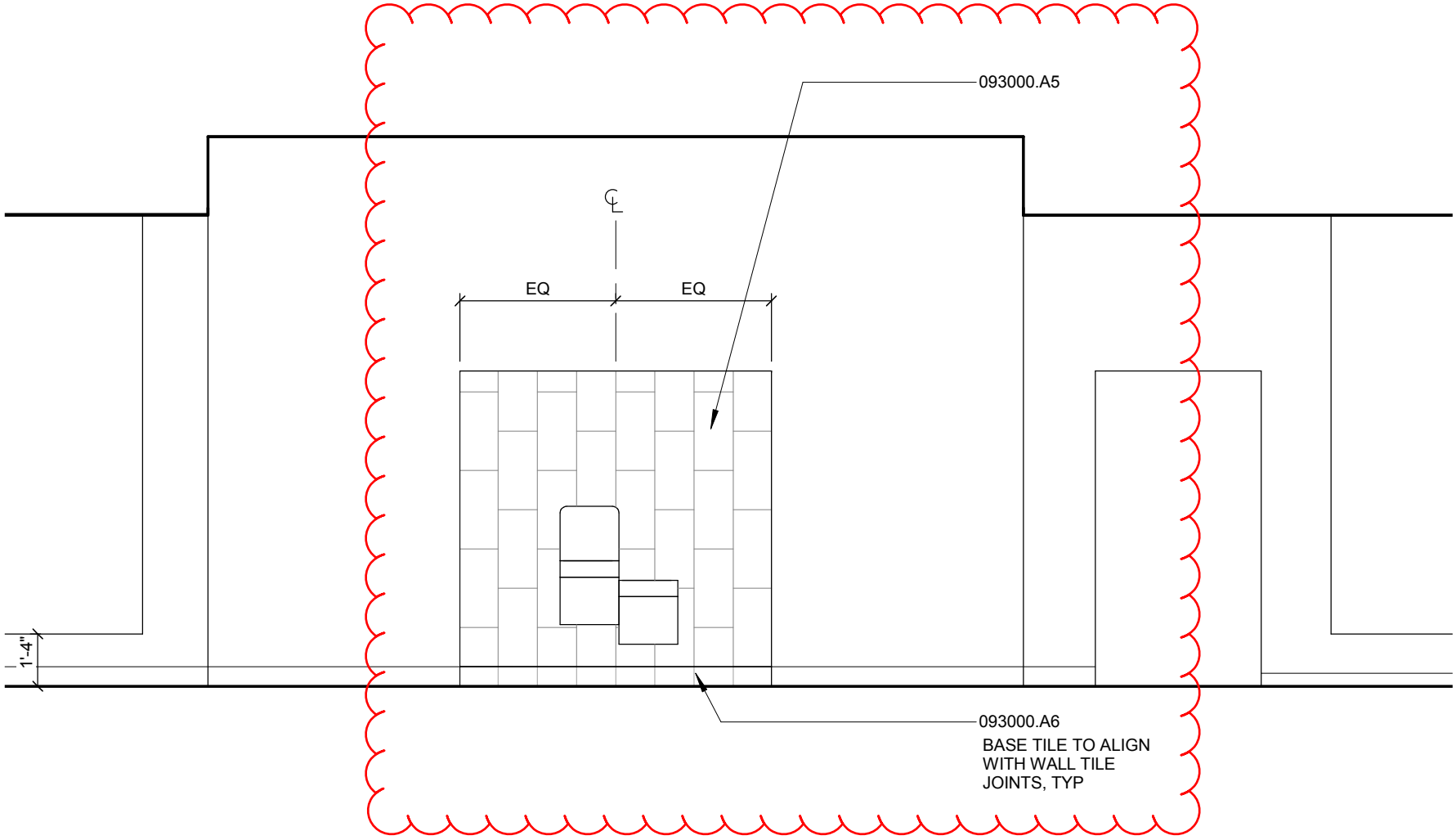
A7 INTERIOR ELEV

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

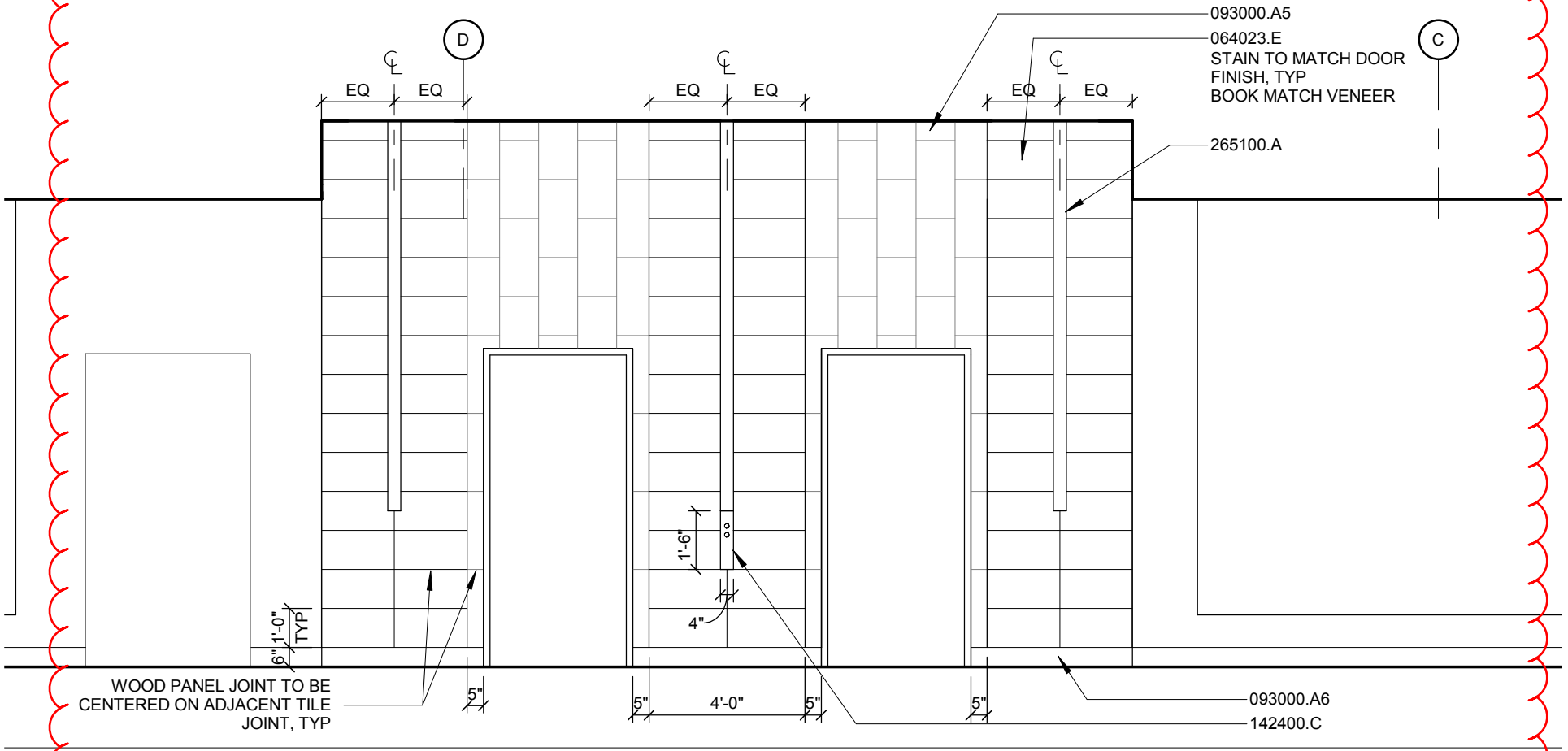
TYPICAL ALCOVE 3212 & 2212

7 8 9

Reference: A7/A512
Bid Package 02
Addendum 01
4H Renovation & NIC Building



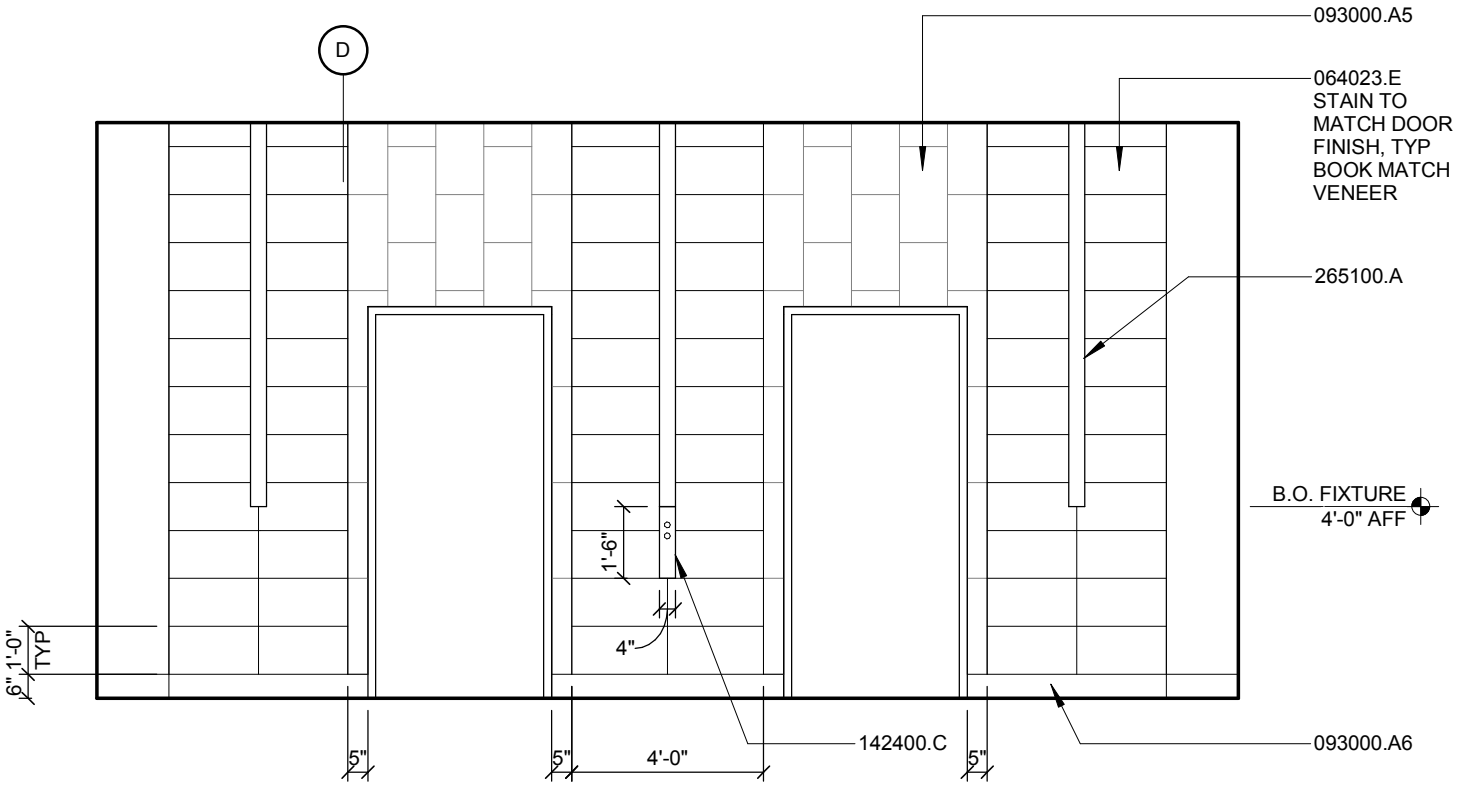
Reference: A1/A513
Bid Package 02
Addendum 01
4H Renovation & NIC Building



Reference: D1/A513
Bid Package 02
Addendum 01
4H Renovation & NIC Building

KEYNOTE LEGEND

064023.E	3/4" OAK HARDWOOD VENEER PLYWOOD WITH HARDWOOD EDGES – STAIN FINISH
093000.A5	CT-8, 12 X 24 PORCELAIN PAVER TILE, SAUGE
093000.A6	CT-9, 6 X 24 PORCELAIN PAVER TILE, SAUGE
142400.C	STAINELSS STEEL CALL BUTTON PLATE – SEE INTERIOR ELEVATION FOR DIMENSIONS – FLUSH WITH ADJACENT TILE
265100.A	LIGHT FIXTURE – REFER TO ELECTRICAL



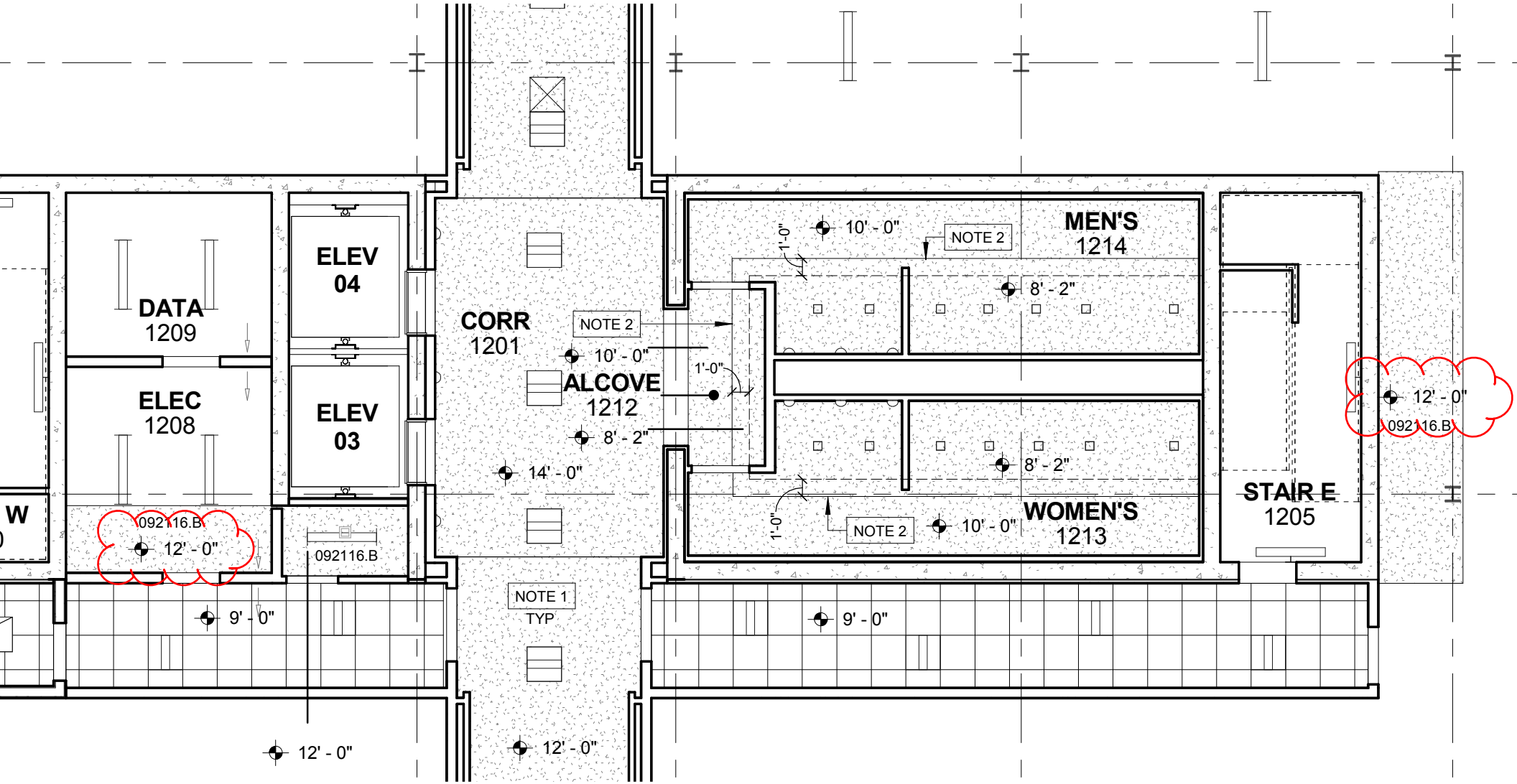
J H G

G16 INTERIOR ELEVATION

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

SECOND AND THIRD LEVEL ELEVATOR LOBBY

Reference: G16/A513
Bid Package 02
Addendum 01
4H Renovation & NIC Building



Reference: A1/A701D
Bid Package 02
Addendum 01
4H Renovation & NIC Building

e1 e2 e3 e4 e5 e6 e7 e8 e9

eA eB eC eD eE eF eG

eA.1 eA.9 eB.2 eB.4 eC.1 eC.4 eC.8 eD.2 eD.7 eD.9 eE.8 eE.9 eF.2 eF.9

e7.9 e8.1 e8.8 e9.1

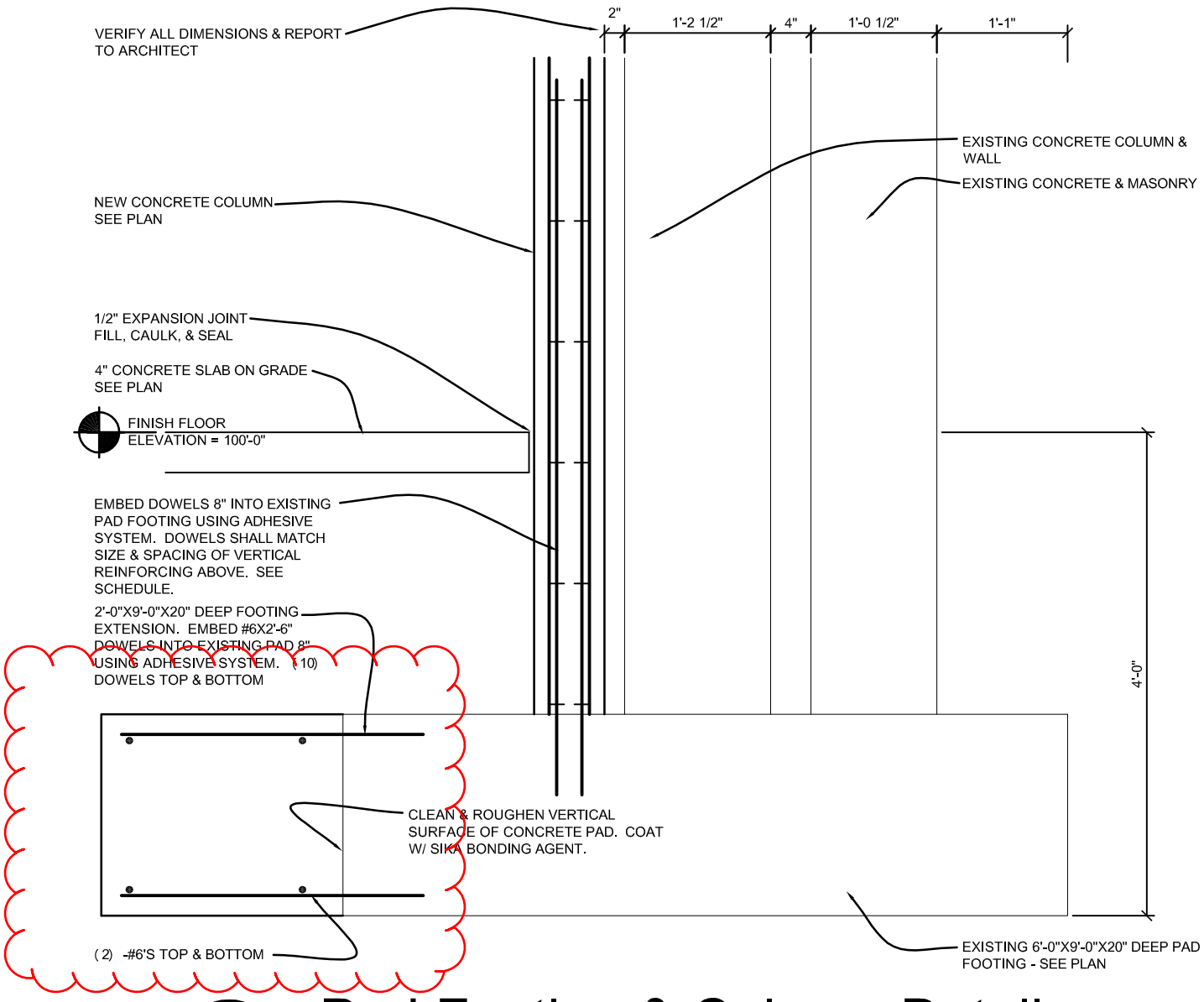
RD-1 OD-1

4"VTR ○

1

Attachment: P401.1
Reference: P401
Bid Package 02
Addendum 01

Attachment: P401.2
Reference: P401
Bid Package 02
Addendum 01

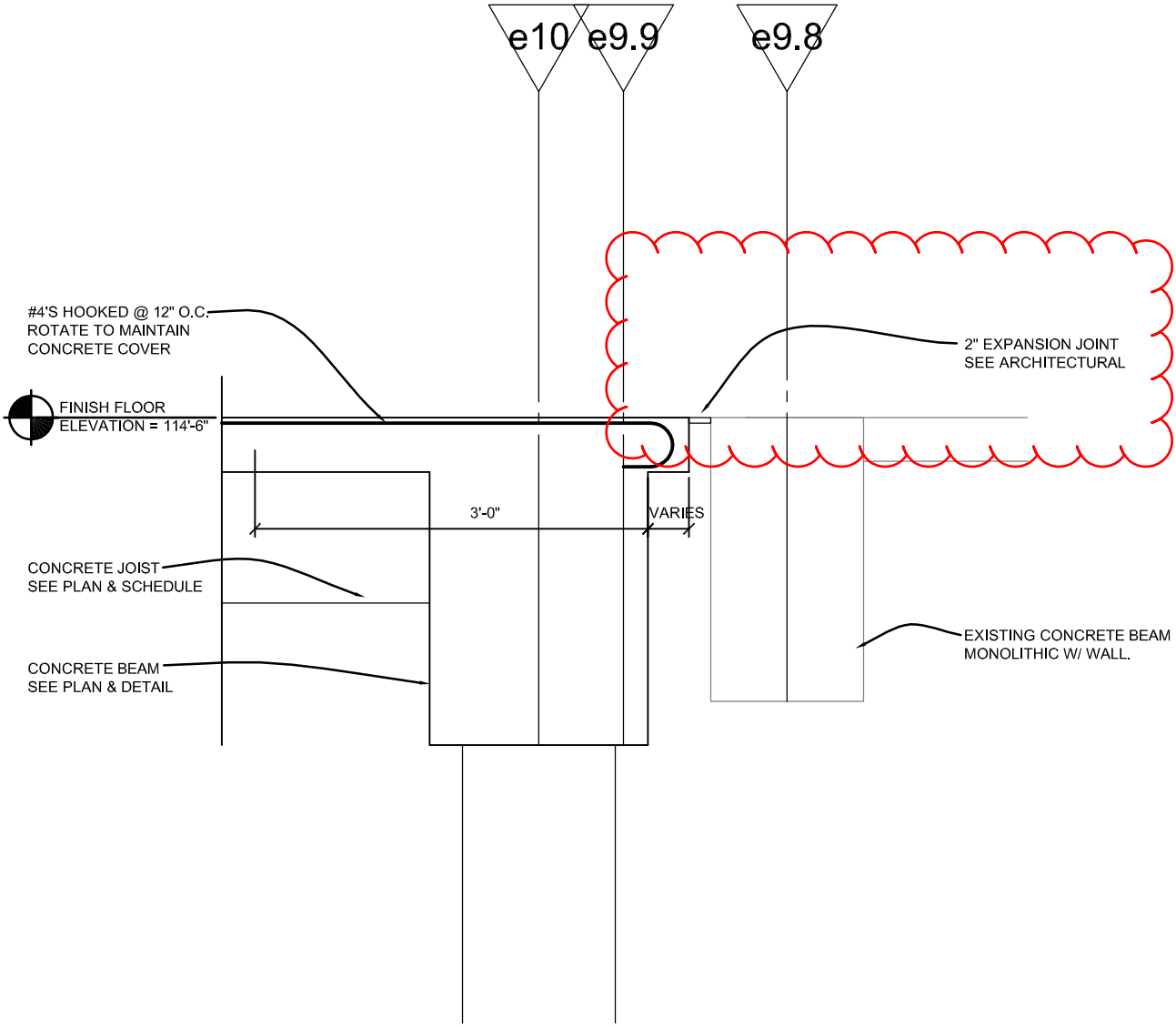


5

Pad Footing & Column Detail

Scale: 3/4" = 1'-0"

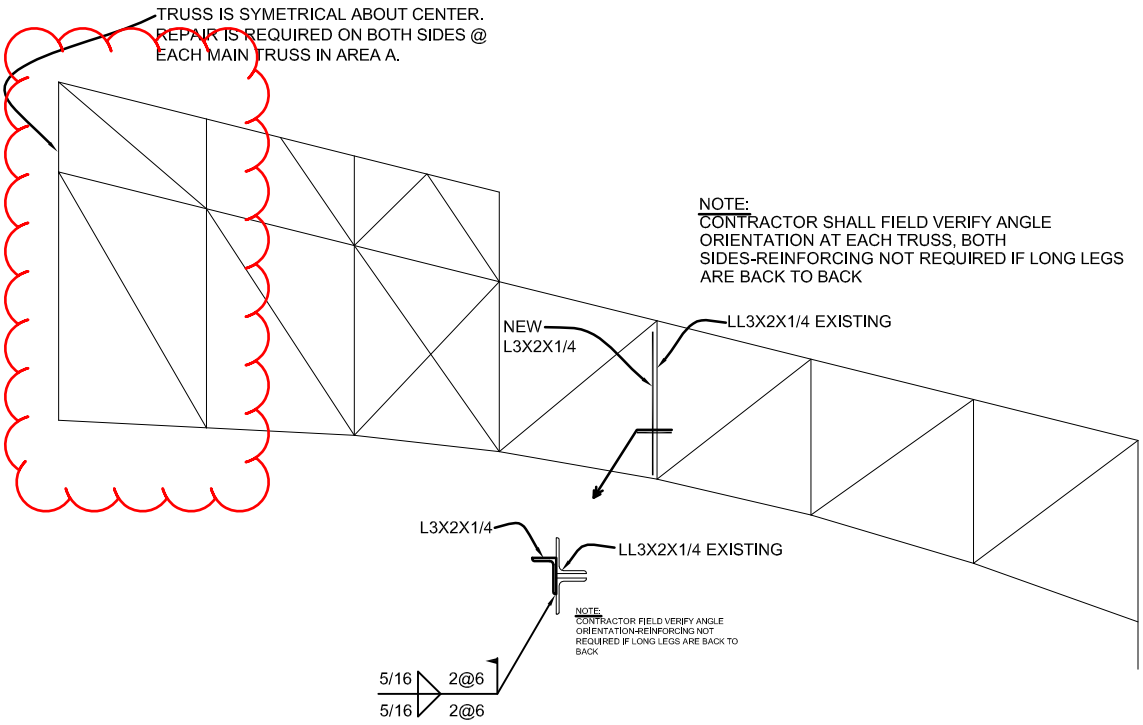
Attachment: S1
Reference: 5/S501AB
Bid Package: 02
Addendum: 01



7 Framing Detail

Scale: 3/4" = 1'-0"

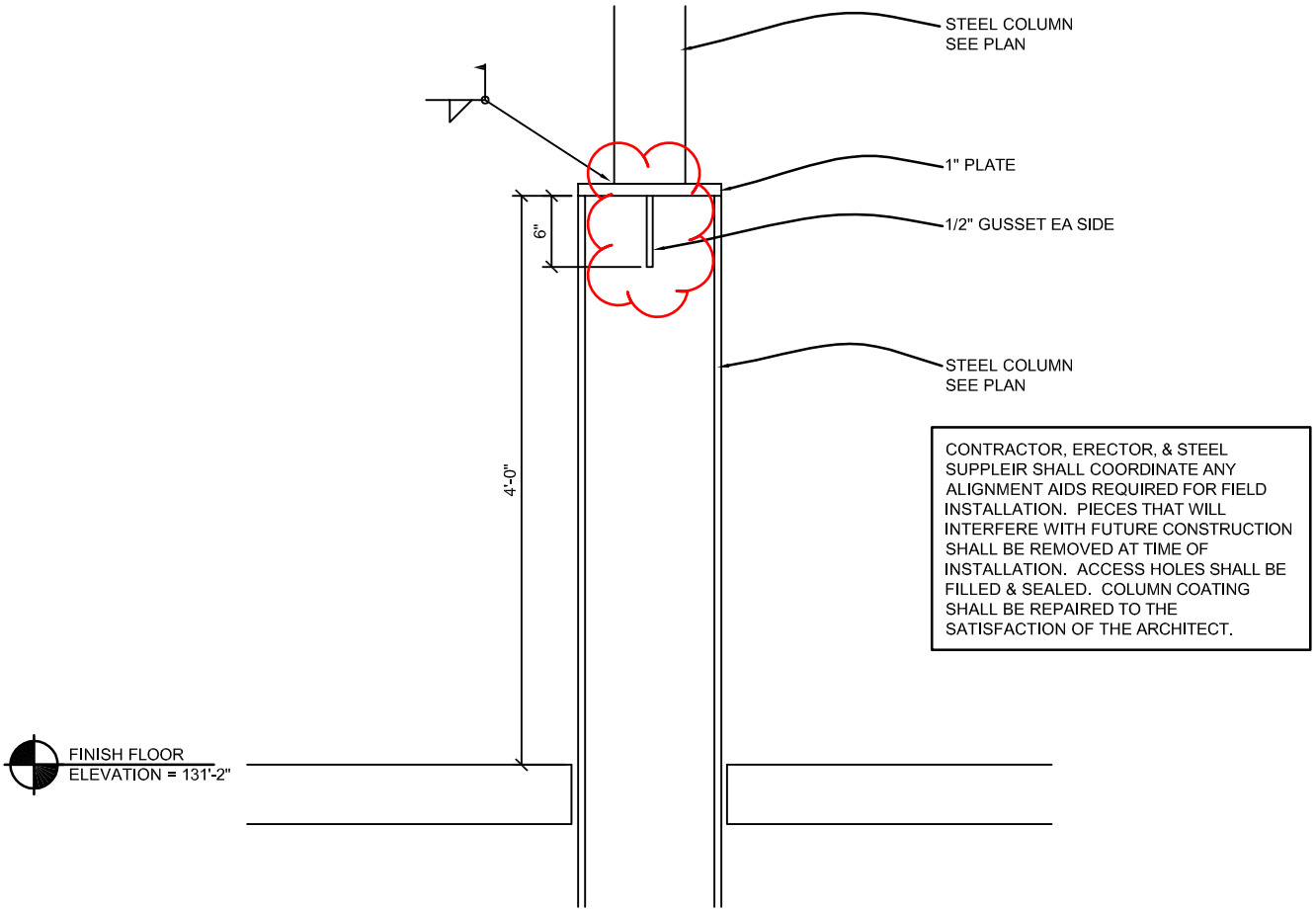
Attachment: S2
Reference: 7/S504AB
Bid Package: 02
Addendum: 01



6 Area A Main Truss Repair

Scale: No Scale

Attachment: S3
Reference: 6/S504AB
Bid Package: 02
Addendum: 01



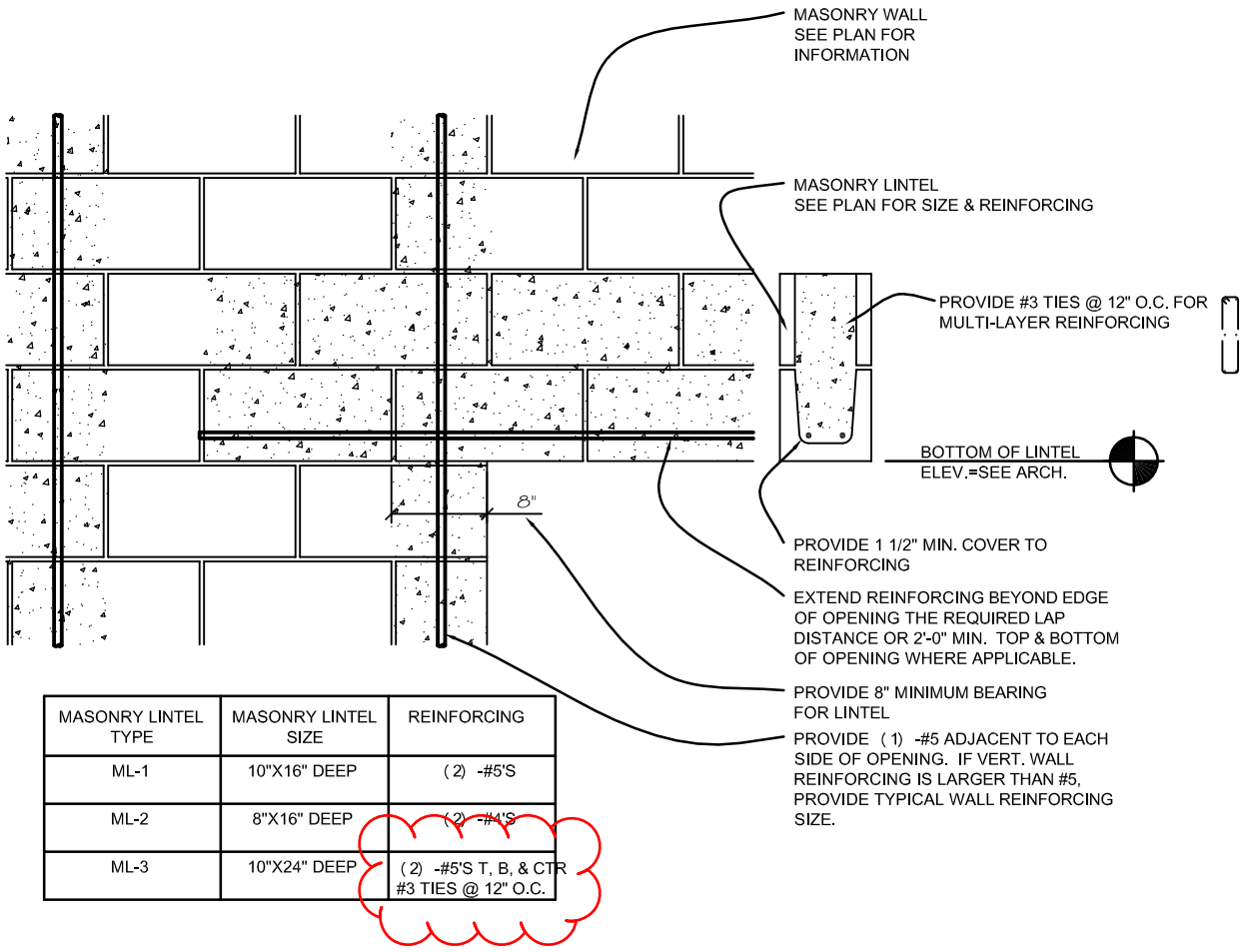
CONTRACTOR, ERECTOR, & STEEL SUPPLEIR SHALL COORDINATE ANY ALIGNMENT AIDS REQUIRED FOR FIELD INSTALLATION. PIECES THAT WILL INTERFERE WITH FUTURE CONSTRUCTION SHALL BE REMOVED AT TIME OF INSTALLATION. ACCESS HOLES SHALL BE FILLED & SEALED. COLUMN COATING SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT.

THIS DETAIL IS INTENDED TO BE USED WHERE W SECTIONS ARE SPLICED W/ HSS SECTIONS E-3, 4, 5, 6, 7 & D-3, 7

14 Column Splice HSS To W Section

Scale: No Scale

Attachment: S4
Reference: 14/S502CD
Bid Package: 02
Addendum: 01

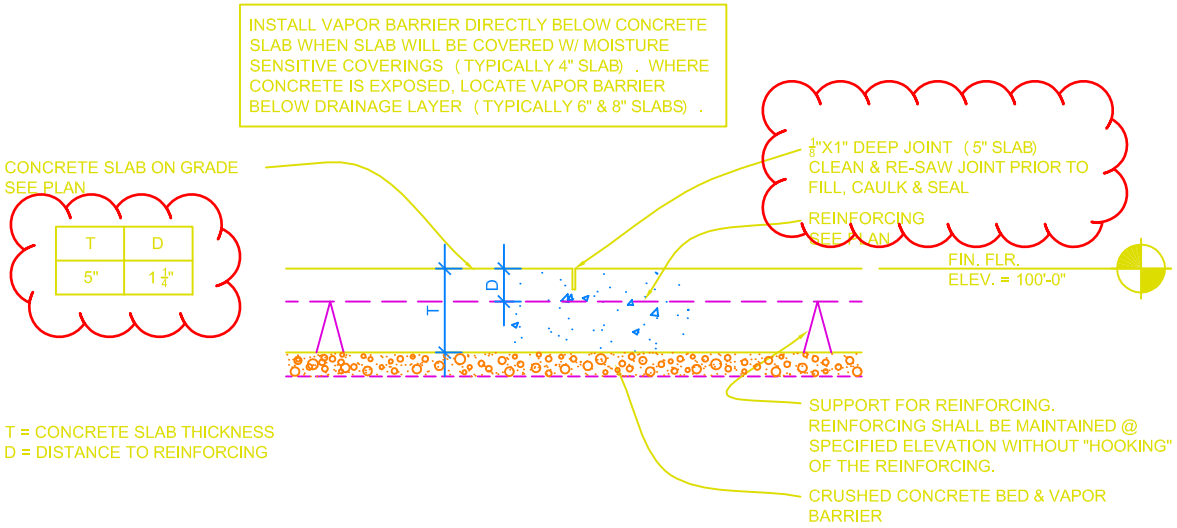


MASONRY LINTEL TYPE	MASONRY LINTEL SIZE	REINFORCING
ML-1	10"X16" DEEP	(2) -#5'S
ML-2	8"X16" DEEP	(2) -#4'S
ML-3	10"X24" DEEP	(2) -#5'S T, B, & CTR #3 TIES @ 12" O.C.

5 Masonry Lintel [ML-*] Detail

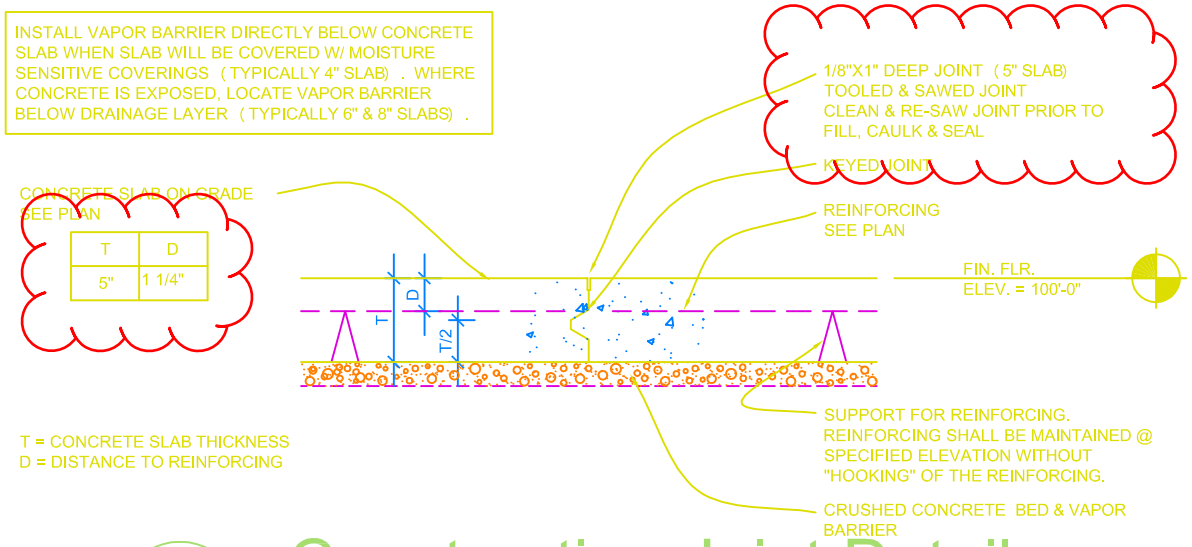
Scale: No Scale

Attachment: S5
Reference: 5/S001CD
Bid Package: 02
Addendum: 01



5 Control Joint Detail (CJ)

Scale: No Scale



6 Construction Joint Detail

Scale: No Scale

Attachment: S6
Reference: 5 & 6/S001AB
Bid Package: 02
Addendum: 01

SECTION 012100 - ALLOWANCES

1.1 SCHEDULE OF ALLOWANCES

A. Allowance No.1: Lump-Sum Allowance: Include the sum of $63,000 for Building Permits and Fees as required by Local Jurisdiction.

1. This allowance is to be divided using the same ratio as that of the NIC to 4H bid amounts and entered onto the attached proposal form.

B. Allowance No.1A: Lump-Sum Allowance: Include the sum of $130,490.00 for Impact Fees as required by Local Jurisdiction.

1. This allowance is to be divided as follows; 4H = $26,098.00 and NIC = $104,392.00 and entered onto the attached proposal form.

C. Allowance No.2: Lump-Sum Allowance: Include the total sum of $10,000 for Quality Control Testing by the Owner.

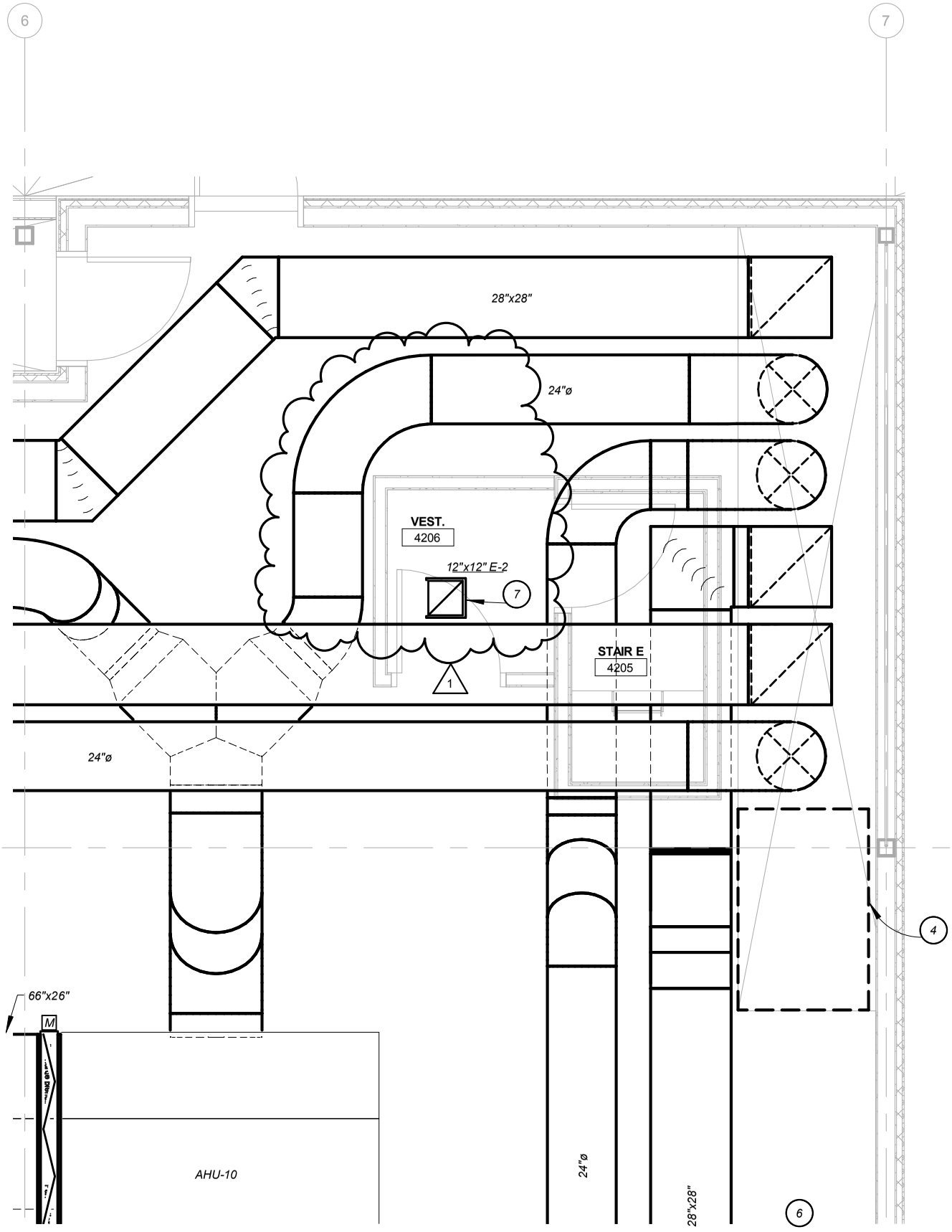
1. This allowance is to be divided in half on the proposal $5,000.00 for 4H and $5,000.00 for NIC.

D. Allowance No.3: Lump-Sum Allowance: Include the sum of $5,000 for signage as designated by the Owner.

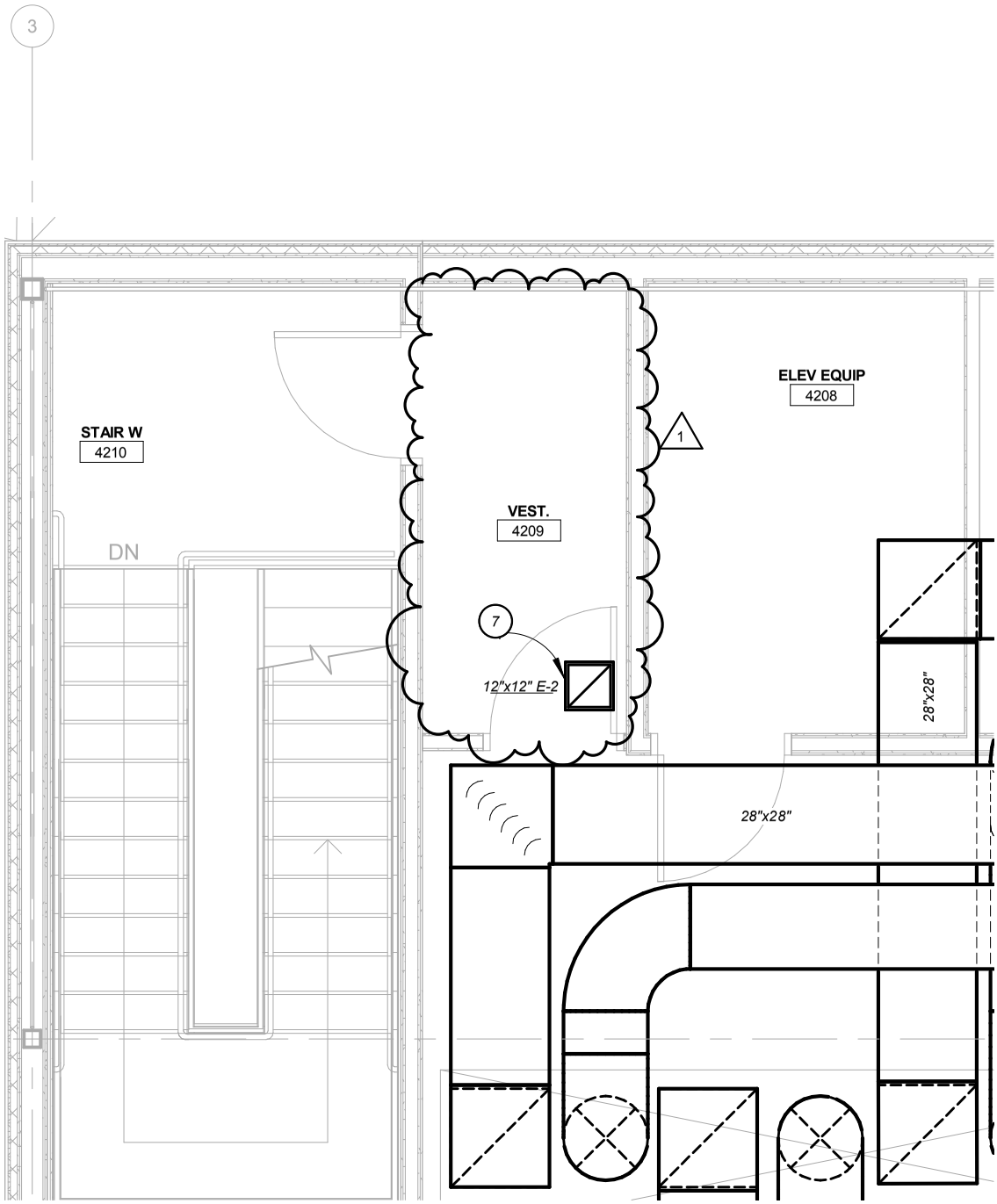
1. This allowance includes material cost, receiving, handling, and installation, and Contractor overhead and profit.

E. Allowance No. 4: Contingency Allowance: Include a contingency allowance of $240,000.00 for use according to Owner's written instructions.

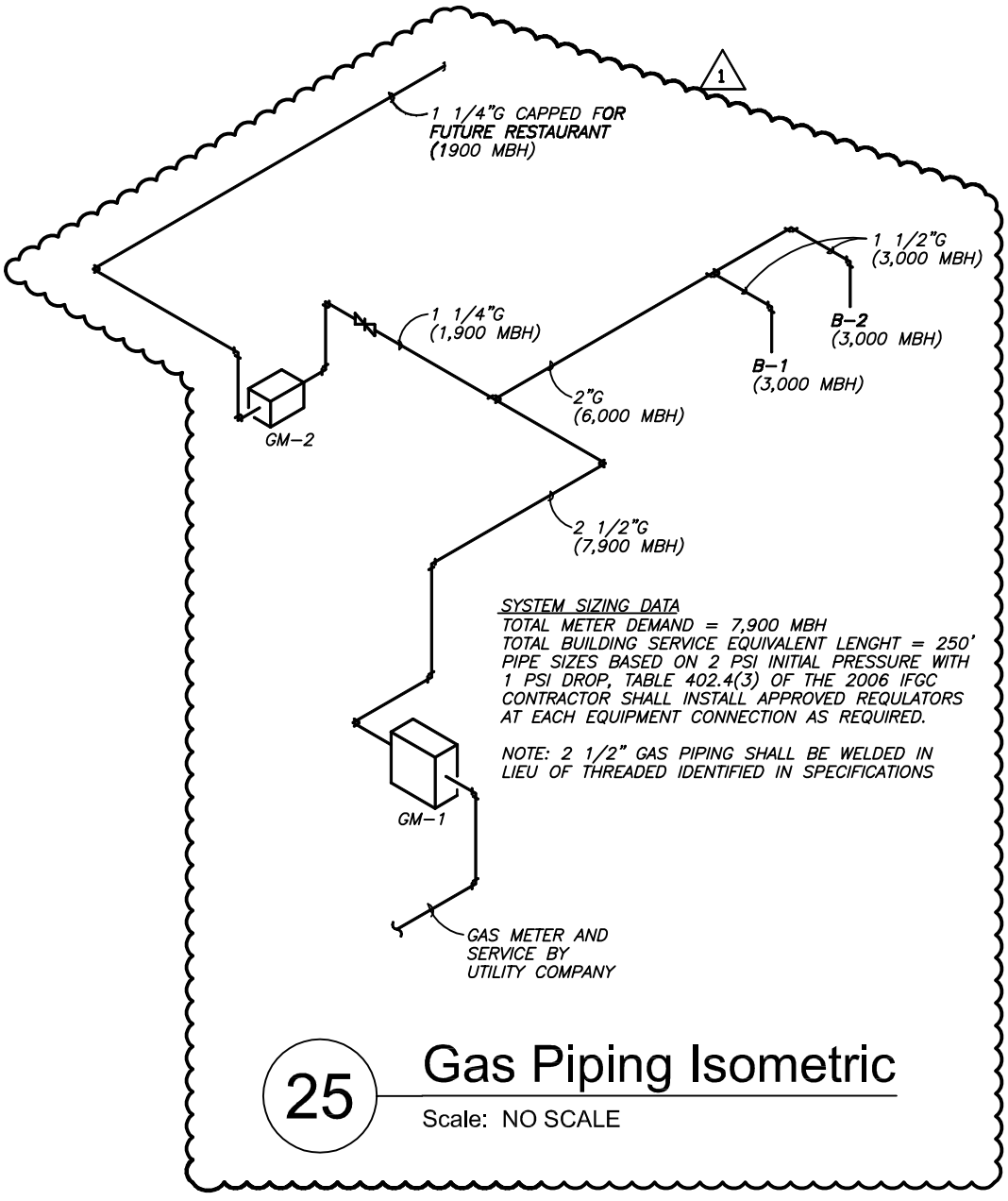
1. This allowance is to be divided in half on the proposal $120,000.00 for 4H and $120,000.00 for NIC.



Attachment: M404D.1
Reference: M404D
Bid Package 02
Addendum 01



Attachment: M404D.2
Reference: M404D
Bid Package 02
Addendum 01



25 Gas Piping Isometric

Scale: NO SCALE

Attachment: M501.1
Reference: 25/M-501
Bid Package 02
Addendum 01

GRAVITY VENTILATOR SCHEDULE

MARK	LOCATION	SERVES	AIRFLOW CFM	FREE AREA SQUARE FT	MAXIMUM P.D. IN W.C.	MANUFACTURER AND MODEL	NOTES
RH-1	AREA C ROOF SEE PLANS	AHU-7 OUTSIDE AIR	10,000	12.00	0.10 DUCTED	GREENHECK FGI 36 x 48	1,2,3
RH-2 RH-3	AREA D MECH 4207	VESTIBULE VENT	NA	1.00	0.10 DUCTED	GREENHECK FGR 12 x 12	1,4,5

NOTES:

1. MANUFACTURER AND CONTRACTOR ARE RESPONSIBLE FOR FACTORY PROVIDED CURB CONNECTION TO ROOF AND EQUIPMENT CONNECTION TO CURB AND/OR FRAMING SUPPLIED AS REQUIRED TO MEET OR EXCEED A WIND LOAD OF 30 POUNDS PER SQUARE FOOT TO COMPLY WITH BUILDING CODE REQUIREMENTS.
2. PROVIDE 12 INCH TALL BASE AND ROOF CURB FOR AIR INLET/EXHAUST AT MINIMUM 24" ABOVE ROOF LEVEL.
3. PROVIDE ALUMINUM BIRD SCREEN.
4. PROIVDE 5 INCH TALL BASE AND 8 INCH ROOF CURB FOR AIR EXHAUST AT MINIMUM 12" ABOVE ROOF LEVEL.
5. PROVIDE ALUMINUM INSECT SCREEN.

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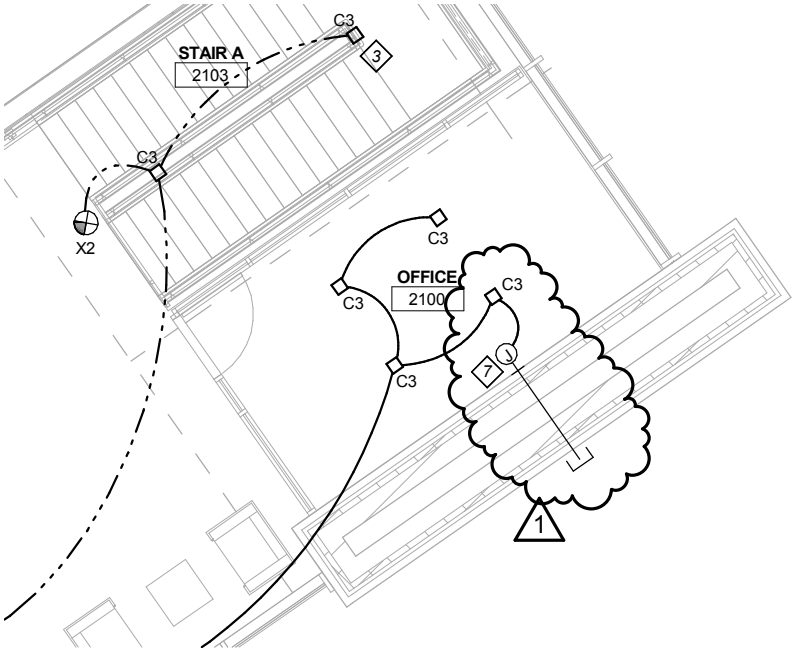
Attachment: M601.1
Reference: M601
Bid Package 02
Addendum 01



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7 *PROVIDE A JUNCTION BOX AND CONDUIT EXTENSION ABOVE OFFICE 2100 CEILING, THROUGH EXTERIOR BRICK FACADE, FOR WALL MOUNTED FIXTURE INSTALLATION. FINAL PENETRATION LOCATION AND HEIGHT ABOVE GRADE TO BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN WORK. ELECTRICAL CONTRACTOR TO INCLUDE A $500 ALLOWANCE WITHIN THEIR BASE BID FOR WALL MOUNTED FIXTURE, TO BE DETERMINED AT TIME OF ROUGH-IN LOCATION REVIEW DURING CONSTRUCTION.*

Attachment: E101C.1
Reference: 2/E101C
Bid Package 02
Addendum 01

LIGHTING FIXTURE SCHEDULE

TYPE NO.	DESCRIPTION / SPEC. NO.	LAMPS NO.	LAMPS WATT	LAMPS TYPE	VOLT	MOUNTING	NOTES	OTHER MANUFACTURERS
A1	2 x 2 FLUORESCENT LENSED TROFFER - GRID COLUMBIA #4PS-22-317-G-FS-A12125-E-U	3	17	F017-T8 4100K OCT	277	RECESSED GRID	B,C,I	1,6,13
A2	2 x 4 FLUORESCENT LENSED TROFFER - GRID - INV LENS COLUMBIA #4PS-24-232-G-FS-A12125-INV-EP-U	2	32	F032-T8 4100K OCT	277	RECESSED GRID	B,C,I	1,6,13
A3	2 x 4 FLUORESCENT LENSED TROFFER - GRID COLUMBIA #4PS-24-232-G-FS-A12125-E-U	2	32	F032-T8 4100K OCT	277	RECESSED GRID	B,C,I	1,6,13
A4	2 x 4 FLUORESCENT LENSED TROFFER - SELF FLANGE COLUMBIA #4PS-24-232-F-FS-A12125-E-U	2	32	F032-T8 4100K OCT	277	RECESSED GYP CEILING	B,C,I	1,6,13
B1	2 x 2 DIR/INDIR LED LENSED TROFFER 0-10V DIM - GRID COLUMBIA #LEPC22-40-HL-G-LL-ED-U		38	3800 LUMEN 80 CRI, 4000K	277	RECESSED GRID	R	6,24
B2	2 x 2 DIR/INDIR FLUOR LENSED TROFFER STEP DIM - GRID COLUMBIA #EPC22-217G-SH-ESD104-U	2	17	F017-T8 4100K OCT	277	RECESSED GRID	B,C,I,R	6,24
B3	2 x 2 DIR/INDIR FLUOR LENSED TROFFER - GRID COLUMBIA #EPC22-217G-SH-E104-U	2	17	F017-T8 4100K OCT	277	RECESSED GRID	B,C,I	6,24
B4	2 x 2 DIR/INDIR FLUOR LENSED TROFFER - SELF FLANGE COLUMBIA #EPC22-217FK22-SH-E104-U	2	17	F017-T8 4100K OCT	277	RECESSED GYP CEILING	B,C,I	6,24
C1	6" DIA. HIGH OUTPUT LED DOWNLIGHT 0-10V DIM - GRID PMC LIGHTING #6LE-MX-4500-R-40N-1-D-2-H		51	4500 LUMENS 4000K, 80 CRI	277	RECESSED GRID	Q,R	7,14
C2	6" SQUARE FLUOR 1 LAMP DOWNLIGHT - SELF FLANGE PORTFOLIO #CSQ6126-E-6CSQ1-H	1	26	TTT 4-PIN GX24q-3	277	RECESSED GYP CEILING	B,C,I	8,14
C3	6" SQUARE FLUOR 2 LAMP DOWNLIGHT - SELF FLANGE PORTFOLIO #CSQ6226-E-6CSQ1-H	2	26	TTT 4-PIN GX24q-3	277	RECESSED GYP CEILING	B,C,I	8,14
C4	6" SQUARE FLUOR 2 LAMP DOWNLIGHT - GRID PORTFOLIO #CSQ6226-E-6CSQ0-H	2	26	TTT 4-PIN GX24q-3	277	RECESSED GRID	B,C,I	8,14
C5	EXTERIOR METAL HALIDE SQUARE APERT. DOWNLIGHT ZUMTOBEL #CAR701-T4035-277E-F-BK-BK	1	35	3300 LMN MH 4000K, 80 CRI	277	EXTERIOR SOFFIT		5
D1	UPLIGHT AT 2ND FLOOR DINING TRUSSES ERCO #33833.023		3.2	300 LUMENS 4000K, 80 CRI	120	RECESSED SOFFIT	S	
G1	1 X 4 INDUSTRIAL STRIP - 10% UPLIGHT & LOUVER LENS METALUX #I8-232-G-TBW-UNV-ER81-UPL	2	32	F032-T8 4100K OCT	277	CHAIN HUNG	B,C,F,I	6,13
G2	1 X 4 INDUSTRIAL STRIP METALUX #DCIF-232-UNV-EB81	1	32	F032-T8 4100K OCT	277	CHAIN HUNG	B,C,F,I	6,13
K1	LED HANDRAIL IO LIGHTING #0.06.SSP.2.PMC.GL.55.35KMO.HR.4	190 LUMENS PER FT. 3500K, 80 CRI			277	HANDRAIL	M	21
M1	2 FOOT FLUORESCENT COVE LIGHT PRUDENTIAL LIGHTING #SC-1T8-02-UNV-10THD	1	17	F017-T8 4100K OCT	277	SURFACE COVE	B,C,I,P	9
M2	4 FOOT FLUORESCENT COVE LIGHT PRUDENTIAL LIGHTING #SC-1T8-04-UNV-10THD	1	32	F032-T8 4100K OCT	277	SURFACE COVE	B,C,I,P	9
M3	4 FOOT FLUORESCENT COVE LIGHT (PRE-FUNCTION 115) INSIGHT #VO-KSM-SA-T8-32-4-2-W-PLV	1	32	F032-T8 4100K OCT	277	SURFACE COVE	B,C,I,P	10
M4	8 FOOT FLUORESCENT COVE LIGHT (PRE-FUNCTION 115) INSIGHT #VO-KSM-SA-T8-32-8-2-W-PLV	2	32	F032-T8 4100K OCT	277	SURFACE COVE	B,C,I,P	10
M5	4 FOOT FLUORESCENT STRIP FIXTURE (DINING 211) DAY-BRITE #N-1-32-277-4	1	32	F032-T8 4100K OCT	277	SURFACE COVE	B,C,I,P	6,13
M6	LINEAR LED SYMMETRIC - INTERIOR PHILIPS VAYA #910503702127		15	860 LUMENS 3000K, 80 CRI	277	SURFACE COVE	A	2,11,15
M7	4 FOOT FLUORESCENT STRIP FIXTURE (CORRIDOR 100) DAY-BRITE #N-1-32-277-NAR-4	1	32	F032-T8 4100K OCT	277	SURFACE COVE	B,C,I	
M8	14' LINEAR LED SYMMETRIC - EXTERIOR IO LIGHTING #0.04.E.35K.60.100.1.14'.4	260 LUMENS PER FT. 3500K, 80 CRI			277	EXTERIOR BENCH	D	10,22
M9	19' LINEAR LED SYMMETRIC - EXTERIOR IO LIGHTING #0.04.E.35K.60.100.1.19'.4	260 LUMENS PER FT. 3500K, 80 CRI			277	EXTERIOR BENCH	D	10,22
M10	24' LINEAR LED SYMMETRIC - EXTERIOR IO LIGHTING #0.04.E.35K.60.100.1.24'.4	260 LUMENS PER FT. 3500K, 80 CRI			277	EXTERIOR BENCH	D	10,22
M11	29' LINEAR LED SYMMETRIC - EXTERIOR IO LIGHTING #0.04.E.35K.60.100.1.29'.4	260 LUMENS PER FT. 3500K, 80 CRI			277	EXTERIOR BENCH	D	10,22
N1	16 FOOT LINEAR RECESSED FLUOR STRIP - 0-10V DIM AXIS #BBR-S-FL-S16-NL4-T8-+S-W-277-D-1	6	32	F032-T8 4100K OCT	277	RECESSED CEILING	A,B,C,R	17
N2	4 FOOT LINEAR RECESSED FLUOR STRIP AXIS #BBR-S-FL-4-NL4-T8-1-W-277-E-1	1	32	F032-T8 4100K OCT	277	RECESSED WALL	A,B,C	17
N3	4 FOOT LINEAR RECESSED FLUOR STRIP - 0-10V DIM AXIS #BBR-S-FL-4-NL4-T8-1-W-277-D-1	1	32	F032-T8 4100K OCT	277	RECESSED WALL	A,B,C,R	17
P1	8" DIA, 4' FLUOR CYLINDER PENDANT - 0-10V DIM VISA LIGHTING #CP5205-CBL-2FHP32-DIM	2	32	F032-T8 4100K OCT	277	PENDANT MOUNT	B,C,I R,V	12,16
P2	12" DIA, 4' FLUOR CYLINDER PENDANT - 0-10V DIM VISA LIGHTING #CP5209-CBL-2FHP32-DIM	2	32	F032-T8 4100K OCT	277	PENDANT MOUNT	B,C,I R,V	12,16
P3	12" DIA, 8' FLUOR CYLINDER PENDANT - 0-10V DIM VISA LIGHTING #CP5213-CBL-2FHP32-DIM	4	32	F032-T8 4100K OCT	277	PENDANT MOUNT	B,C,I R,V	12,16
P4	6" DIAMETER LED PENDANT - 0-10V DIM PMC LIGHTING #6LECHP-2800-P-CW-1-D-U-H-Z		36	2600 LUMENS 4000K, 80 CRI	277	PENDANT MOUNT	R	7,17
R1	SURFACE MOUNT UTILITY FIXTURE SHAPER #226-CFL/2/26-277/NA	2	26	TTT 4-PIN GX24q-3	277	SURFACE CEILING	B,C,I	12,18
S1	STAIRWELLS LINEAR WALL BRACKET METALUX #BAU-2-32-UNV-EL-EB81/PLUS-1-WH	2	32	F032-T8 4100K OCT	277	SURFACE WALL	A,I	6,19
U1	LED PARKING LOT LUMINAIRE - TYPE II DISTRIBUTION KIM LIGHTING #AR-2-120L-4K-277-DB		129	6100 LUMENS 4000K, 80 CRI	277	POLE MOUNT	T,U	23,25
U2	LED PARKING LOT LUMINAIRE - TYPE IV DISTRIBUTION KIM LIGHTING #AR-4-120L-4K-277-DB		129	6100 LUMENS 4000K, 80 CRI	277	POLE MOUNT	T	23,25
V1	EXTERIOR LED FIXTURES AT COMPANION CANOPIES LUMENPULSE #LOGHO-277-48-40K-10X60-WAM12-SI-NO	10,000 LUMENS @ NADIR 4000K, 85 CRI			277	SURFACE WALL	J	
V2	EXTERIOR LED STEPLIGHT PRESCOLITE #SLLED1-35K-BL-277V-SLD12CMB		13	127 LUMENS 3000K, 80 CRI	277	RECESSED CONC. WALL	G	5
W1	EXTERIOR LED UP/DOWN WALL SCONCE BETA CALCO ATIA #231988-BL-277	2	70	6600 LMN MH 4000K, 80 CRI	277	SURFACE WALL	A	5
W2	EXTERIOR LED WALL SCONCE INVUE #ENT-B01-LED-E1-BL4-BK		27	2100 LUMENS 4000K, 80 CRI	277	SURFACE WALL	A	5
W3	EXTERIOR METAL HALIDE DOWNLIGHT ERCO #81042.000	1	35	3900 LMN MH 4000K, 80 CRI	277	EXTERIOR SOFFIT		5
X1	LED EXIT SIGN SURE-LITES #LPX-6	LED FURNISHED WITH FIXTURE			277	MOUNTING VARIES	E,H	6,20
X2	ARCHITECTURAL LED EXIT SIGN - SINGLE FACED SURE-LITES #ES6-1-RM	LED FURNISHED WITH FIXTURE			277	MOUNTING VARIES	E,H	6,20
X3	ARCHITECTURAL LED EXIT SIGN - DOUBLE FACED SURE-LITES #ES6-2-RM	LED FURNISHED WITH FIXTURE			277	SURFACE WALL/CEILING	A,H,E	6,20

OTHER MANUFACTURERS:

1	METALUX	10	WINONA LIGHTING	19	ALKCO
2	INSIGHT LIGHTING	11	LUMENPULSE	20	CHLORIDE
3	AXIS LIGHTING	12	SCOTT LIGHTING	21	INTENSE LIGHTING
4	ADVENT	13	DAY-BRITE	22	COLOR KINETICS
5	ERCO LIGHTING	14	PATHWAY LIGHTING	23	GARDCO
6	LITHONIA	15	EMERGE LIGHTING	24	ATTUNE
7	GOTHAM	16	OCL	25	MCGRAW EDISON
8	KIRLIN	17	PRUDENTIAL LIGHTING		
9	FOCAL POINT	18	CAPRI LIGHTING		

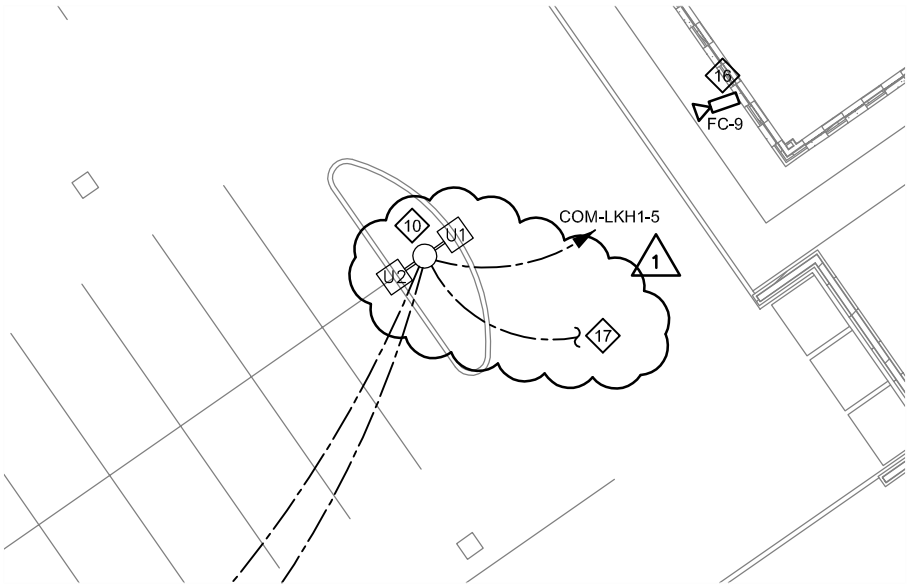
GENERAL NOTES (APPLICABLE TO ALL LIGHT FIXTURES):

1. ALL FIXTURES TO BE CONTROLLED BY A 0-10V LIGHTING CONTROL SYSTEM (ENCELIUM, BY CONTROLS CONTRACTOR). SEE LIGHTING CONTROL PLANS ON E402 & E502 FOR DETAILS. CONTRACTOR RESPONSIBLE TO FULLY COORDINATE WITH CONTROLS CONTRACTOR TO ENSURE THAT FIXTURES, BALLASTS AND DRIVERS (LED) ARE FULLY COMPATIBLE WITH THE LIGHTING CONTROLS SYSTEM.
2. CONTRACTOR TO VERIFY LIGHT FIXTURE INSTALLATION REQUIREMENTS FOR APPLICABLE INSTALLATION LOCATION.

SPECIFIC FIXTURE NOTES:

- A. CONTRACTOR TO PROVIDE BACKING FOR ALL WALL MOUNTED FIXTURES.
- B. ALL FLUORESCENT LAMPS SHALL BE MINIMUM 82 CRI, AND 4100K CCT, UNLESS OTHERWISE NOTED.
- C. FLUORESCENT BALLASTS TO BE HIGH FREQUENCY ELECTRONIC PROGRAM START AND HAVE LESS THAN 10% THD. AND AN A+ SOUND RATING.
- D. SEE DETAIL 5 ON SHEET E501 FOR INSTALLATION REQUIREMENTS.
- E. MOUNT FIXTURE ABOVE DOOR.
- F. CHAIN HANG FIXTURE BELOW PIPES AND DUCTS. COORDINATE WITH MECHANICAL CONTRACTOR. SUPPORT FIXTURES FROM STRUCTURE ONLY. FIXTURES IN THE SAME ROOM SHALL BE MOUNTED AT THE SAME HEIGHT ABOVE FINISHED FLOOR.
- G. PROVIDE STEPLIGHT WITH CONCRETE BACKBOX. SEE DETAIL 4 ON SHEET E501 FOR INSTALLATION DETAIL.
- H. MOUNT DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.
- I. FLUORESCENT LAMPS USED WITH DIMMING BALLASTS SHALL BE BURNED IN MINIMUM OF 100 HRS. AT 100% BEFORE DIMMING.
- J. SEE DETAIL 3 ON SHEET E501 FOR MOUNTING INFORMATION.
- K. CONTRACTOR TO VERIFY LIGHT FIXTURE INSTALLATION REQUIREMENTS.
- L. MOUNT PER INSTALLATION DETAIL 4 ON SHEET E503.
- M. LIT HANDRAIL INSTALLATION SHALL BE FULLY COORDINATED WITH THE ARCHITECT AND INSTALLATION CONTRACTOR. SEE ADDITIONAL DISCUSSION IN SPECIFICATION 265100, ARTICLE 3.1, PART G. SEE DETAIL 7, SHEET E501 FOR INSTALLATION DETAIL.
- N. SELECT FIXTURES EQUIPPED WITH GENERATOR TRANSFER DEVICE (GTD). SEE LIGHTING PLANS SHEETS FOR LOCATIONS.
- O. MOUNT PER INSTALLATION DETAIL 19 ON SHEET E503.
- P. COVE ROW LENGTHS NOT SPECIFIED HERE. CONTRACTOR TO REVIEW DRAWINGS IN DETERMINING SPECIFIC LENGTHS OF COVE FIXTURES REQUIRED FOR A CONTINOUS, EVEN ILLUMINATION OF THE COVE SPACE. INSTALL PER DETAILS 1 OR 2 AS APPLICABLE ON SHEET E503.
- Q. PROVIDE FIXTURE WITH APPROPRIATE SLOPED CEILING ADAPTER. INSTALL PER DETAIL 3 ON SHEET E503.
- R. FIXTURE TO INCLUDE STEP-DIMMING BALLAST OR DRIVER FOR MULTI-LEVEL LIGHTING CONTROL PER SHEET E402. FURNISH AS REQUIRED.
- S. PROVIDE A 277:120V TRANSFORMER AS REQUIRED TO POWER THE TYPE D1 FIXTURES. LOCATE XFMR IN ACCESSIBLE, CONCEALED LOCATION.
- T. PROVIDE ALL MOUNTING HARDWARE (I.E. TENON ADAPTERS) AS REQ'D FOR POLE MOUNTED FIXTURES. COORDINATE WITH POLES PROVIDED.
- U. PROVIDE ONE OF THE TYPE U1 FIXTURES WITH INTEGRAL PHOTOCELL.
- V. PROVIDE FIXTURE WITH AIRCRAFT CABLE FOR ADJUSTMENT OF INSTALLED HEIGHTS. FINAL HEIGHTS TO BE VERIFIED IN THE FIELD.

Attachment: E604.1
Reference: E604
Bid Package 02
Addendum 01



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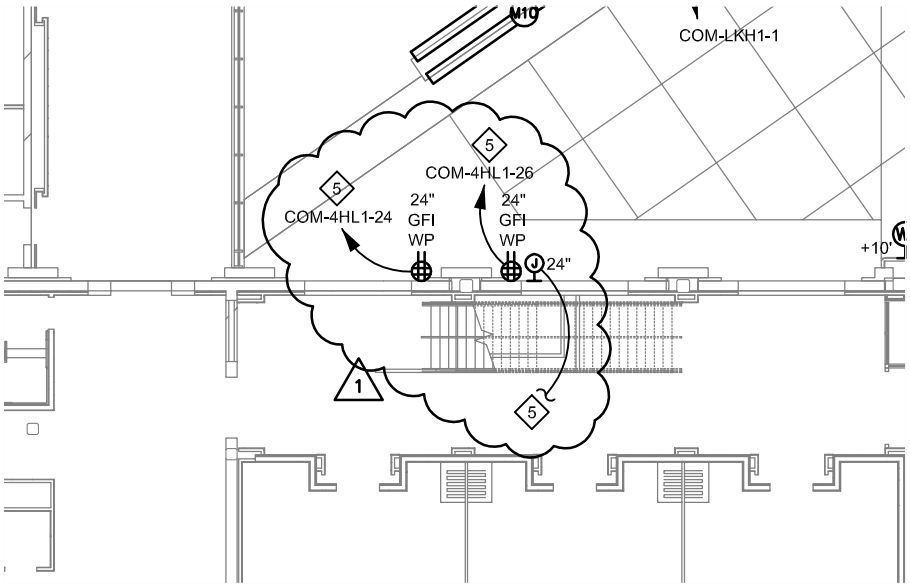
5 PROVIDE TWO WEATHERPROOF, DOUBLE GANG RECEPTACLES AND ONE JUNCTION BOX. PROVIDE LOCKABLE, WEATHERPROOF ENCLOSURES. JUNCTION BOX SHALL BE A 6"x6"x4" NEMA 3R ENCLOSURE. ROUTE A SPARE 1-1/4" CONDUIT, WITH PULLSTRING, FROM THE JUNCTION BOX CONCEALED TO ADJACENT TO PANEL COM-4HL1 IN ROOM ELEC 103, OF THE 4H BUILDING. LABEL PULLSTRING AT BOTH ENDS "PLAZA AV CONDUIT".

17 ROUTE VIDEO CAMERA CONDUIT WITH CONDUCTORS TO ROOM COMMUNICATION 1105. COORDINATE STUB-UP LOCATION WITH CONTROLS CONTRACTOR.



Attachment: ES101.1
Reference: 1/ES101
Bid Package 02
Addendum 01