



SEDGWICK COUNTY, KANSAS
DIVISION OF FINANCE
Purchasing Department
Iris Baker, Purchasing Director

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Phone: 316 660-7255 Fax: 316 383-7055
www.sedgwickcounty.org/purchasing

REQUEST FOR BID
#09-0059
EXPANSION OF THE FORENSIC SCIENCE CENTER
1109 N. Minneapolis, Wichita, KS
Addendum #2

April 13, 2009

The following is to ensure that vendors have complete information prior to submitting a bid. Here is a clarification for the Expansion of the Forensic Science Center bid.

Questions and/or statements of clarification are in bold font, answers to specific questions are italicized.

- 1. What type of material will the water service from the building to the meter be?** *The outside water piping can be class 200 PVC instead of type K soft copper.*
- 2. Roof drain lines going out the west side of building to new storm drain catch basin- is it one 8" line to the basin with two 6" lines dropping into the 8" or is it two 8" lines dropping?** *There is only one 8" rain leader down and not two 6" services.*
- 3. Please clarify "clean-out at the base of each riser"- what does that mean?** *There will be "one" cleanout at the base of the 8" riser and not two.*
- 4. Please clarify -the manhole is 32" to top of 8" pipe and not the 3' something show on plans. Getting the proper slope inside on the waste lines is going to be very close and may not be able to get the 1/4" per foot slope. Since there is a deviation of 4" depth to the manhole, it is acceptable to change the slope of the line to 1%.**
- 5. In some of the rooms there are 2 lighting circuits, but only one switch is shown. Do you want double pole single throw switches or does there need to be another switch?** *Only one light switch controls all light fixtures in the room. Use the emergency shunt relay: Lighting Controls # GR2001E/S.*
- 6. Details D/S5.1 and E/S5.1 have been corrected and are attached. The 6" concrete wall will extend to 32" above finished floor (102'-8"). Concrete wall will bump out at the column and cut faces of block will be veneered onto the bump out to match face of wall.**
- 7. Working hours on the project are Monday through Friday, 7:00 a.m. – 6:00 p.m. Advance notice would be required for other work hour requests. Some exceptions/modifications could possibly be made if needed.**

8. **The new vault and evidence receiving/processing area will need to be operational before the existing vault area can be demo'd. Work in the Tissue Recovery Area is a vital service provided by the Center. The space occupied by this function will need to be modified in a very short period of time.**
9. **The northeast planter box walls are shown to correspond, in plan, to sections C/S5.1, but they appear to be as wide as section B/S5.1. Which is correct? Footing width is incorrectly shown in plan. Detail C/S5.1 is correct.**
10. **Please provide a detail of the wood fence behind the trash dumpster area. Wooden fence construction is called out in the specification book in Section 02821 "Chain Link Fences & Gates", paragraph 2.5 "Opaque Wooden Fencing".**
11. **Architectural drawings indicate some of the precast walls at the evidence processing room #138 go up to elevation 120'-4" to create a parapet condition, but the structural details show hollow core bearing on top of those walls. Please clarify. Drawings 'Partial S2.1, Detail N/S4.2, and Detail P/S4.2' are provided for clarification to the precast connection details at the roof above Evidence Processing #138.**
12. **Provide concrete base detail for the card reader posts at the gate. Provide a 2'-0" diameter x 4'-0" deep concrete footing, placed per section 02821 "Chain-Link Fenced & Gates", paragraph 3.4 "Chain-Link Fence Installation", Part B Post Setting.**
13. **Will a sub-slab and/or insulation base be required for the freezer? Please provide detail. Concrete slab and insulation will both be required. Detail to be manufacturer's standard as stated in specifications Section 11400 "Foodservice Equipment", paragraph 2.1 "Walk-In Refrigeration Equipment, A, 2, b. Floors.**
14. **Please clarify "bullet resistant film" as noted on exterior elevations on page A2.1. Change "bullet-resistant film" to "spall-resistant film". Detail is in specifications Section 08800 "Glazing", paragraph 2.4 "Spall-Resistant Film".**
15. **What NRC rating shall we use for the acoustical ceiling tile in rooms 130 & 124? NRC for the ACT-2 tile should be 1.00.**
16. **What is the size (length x width x height) of the Walk-In Freezer/Cooler in the Evidence Vault 139? Cooler inside dimensions are 10'x10'x8' clear and freezer inside dimensions are 5'x10'x8' clear.**
17. **Can the compressor be located on the roof? Yes. Condensing Unit is to be an exterior unit. Details are in specifications Section 11400 "Foodservice Equipment, paragraph 2.1, "Walk-In Refrigeration Equipment, A, 2, F. "Refrigeration System".**
18. **A typical floor construction for the freezer floor is a 4" sub-concrete slab with a double 2 x 10 frame containing 8" of rigid insulation board covered by another 4" slab. Is this design acceptable? Freezer floor is to be insulated per manufacturer's recommendation, as stated in specifications Section 11400 "Foodservice Equipment, paragraph 2.1, "Walk-In Refrigeration Equipment, A, 2, b. "Floor".**
19. **Are the items called out as "by owner" to be installed by GC- refrigerator, dishwasher, microwave, mail center, centrifuge, warming oven, lab coat hangers, fire blanket, glass break containers, fume hoods, and safe? Dishwashers (in Rms. 127 & 132), and fire blanket cabinets are to be installed by G.C. All other items to be installed by Owner.**
20. **Does the GC need to include Sedgwick County or City of Wichita Plan Review and Permit Fees? Plan review fees have been paid by Sedgwick County when plans were submitted for review by the City. General Contractor will pay the building permit fees through the City of Wichita.**

21. **Is Chiller rewire Alternate 1 for us?** *Yes. Refer to Equipment Connection Schedule on Sheet E2.3 unit mark CH-1.*
22. **Who is responsible for providing the Gen-Set?** *The electrical contractor shall provide and install the Gen-Set. Refer to electrical specification Section 16231- "Packaged Engine Generators.*
23. **Who is the contact for card reader system and what is the phone number or e-mail address?** *The Owner will be contracting separately for the card reader system. Electrical Contractor to install two-gang j-box where shown and conduit to above the nearest accessible ceiling. Coordinate j-box location with Owner prior to installation.*
24. **Are the boxes on west wall of Drug Wet Lab and Drug Instrument Lab surface mount?** *No. All J-boxes throughout the facility are to be recessed in the walls (gypsum board, CMU, and precast).*
25. **Regarding the work to replace chiller- the conduit is too small for the new wire, so does the new conduit need to be installed in the slab or ran surface? If conduit is installed in the slab, who is responsible to cut and repair the slab?** *Conduits to the new chiller shall be installed in the slab. Cutting and patching shall be the responsibility of the electrical contractor. Please refer to the specifications Section 1600 "General Requirements", paragraph 3.7 "Cutting and Patching".*
26. **Sheet CS.1 shows 10" Nyloplast Drain. CS1.1 and CS 1.2 show 12"- which is correct?** *The reference to the 10" drain basin on the erosion control sheet (CS1.3) is incorrect. The intent is to install a 12" drain basin. The bidder should reference sheet CU1.1 for the specification of these drain basins.*
27. **Sheet LS2.1 shows steel grating on the east sidewalk, which are not shown on CS1.2. Are they required?** *CS1.2 is correct. They are not needed on the east sidewalk.*
28. **Sheet A1.3 Fire Blanket- Detail A shows by owner but detail B does not specify. Are these by owner?** *Both fire blankets will be provided by Owner. Blocking in the metal stud walls for the attachment of the fire blanket cabinet and the installation will be the responsibility of the bidder.*
29. **What is the full description of what type of system both the decorative and solid color floor systems should be? Some confusion in Section 3.2 which talks about both a broadcast and a troweled body coat. Please clarify?** *Please refer to the specifications Section 09761 "Resinous Flooring". Remove Item G under Section 3.2 "Application" in its entirety. Drawing Sheet A6.3- EPX-1 shall be two coats of Series 222 product listed to reach a total minimum thickness of 1/8". EPX-2 and EPX-4 Epoxy Floorings shall both be: one coat Series 201 primer/sealer, two intermediate coats Series 281 (in colors shown in legend) each with a broadcast of #213 glass beads (texture to be decided), and one coat Series 281 (in colors shown in legend) topcoat. Systems shown in Styles column of the Room Finish Legend and listed in this addendum items are Tnemec product series numbers. Other manufacturers products used shall be that manufacturer's recommended product of equal or greater performance as the listed Tnemec product.*
30. **Please clarify and/or provide additional information on the alternates related to replacing controls in the existing building and piping.** *Alternate #1- Work outlined on the drawings and in the specifications, which is to be performed by JCI, will be as a subcontractor to the Mechanical Contractor. As stated on Drawing Sheet M1.3, please contact Matt Lueger at 721-2777, ext. 237 for pricing and scope.*
31. **Rather than pull a new fire protection line into the new addition, can the existing line be tapped into and used?** *If the bidding contractor has ascertained that the existing system can accommodate the new addition, then this would be allowed. Contractor is made aware that the space above the ceiling in the connecting corridor is limited and that sprinkler piping would have to accommodate the items already shown above the ceiling. Further, the contractor would be responsible for repair and replacement of all*

items disturbed in the existing building (sprinkler piping, ceiling removal/replacement, dust/debris, protecting the existing space, etc) to achieve the connection as proposed. As the existing building function must be impacted as little as possible, work would have to be performed to not overly disrupt operations both physically and audibly.

- 32. Plans require that the existing vault door be removed. Please provide additional information on these doors.** *The existing vault is constructed of CMU walls with #5 rebar at 24"oc. All cores are grouted solid. Drawings reflect how much of this wall is to be removed. 8" concrete top slab to remain. Trim slab rebar left exposed after removal of upper wall bond beam. The existing vault door is manufactured by Overly and is a type AR5. This style of door is virtually the same as what will be installed in the addition. Existing vault door and frame are to be disposed of.*
- 33. Tree on the north east corner of the building addition, shown to remain, should be removed and replaced with a 2" minimum caliper Lacebark Elm.**
- 34. The room finish schedule on drawing sheet A6.3 there are several notes in the far right column that says "See Plan Notes". Does this mean to refer to the "Plan Notes" on sheets A6.1 and A6.2?** *Yes.*
- 35. "Please refer to note #2 at the bottom of the room finish legend" on drawing sheet A6.3. Does this note indicate that there are some hollow metal doors or frames that would need to be painted other than those listed on the Door Scheduled on sheet A5.1?** *No.*
- 36. Are there any existing wood doors that would need to be re-finished?** *Only those shown in the door schedule to be stained.*
- 37. Are the steel counter supports factory finished?** *Yes.*
- 38. Is the wood shelving (Sheet A6.6) factory finished or on-site finished?** *All woodwork to be site finished.*
- 39. Do the wood window sills (12/A5.3) require any on site finishing?** *All woodwork to be site finished.*
- 40. Does the wood base require any on site finishing?** *All woodwork to be site finished.*
- 41. Are the wood doors factory finished?** *Wood doors are to be shop primed, but field finished. Refer to project specifications, Section 08211.*
- 42. Some of the new wood doors have vision lites. Do the metal frames for the vision lites need to be painted on site?** *Yes.*
- 43. Does the exterior steel fencing require any on site painting?** *Yes.*
- 44. On Sheet A6.2- Do the Hallways 148 and 149 require any paint work? If so, what items require paint?** *No.*
- 45. Sheet A1.2 has note key #9 in Hallways 148 and 149, but the notes end at #8. Please clarify.** *This is a typographical error. The second keynote #8 should be keynote #9.*
- 46. Are there any roof top mechanical units that will require paint? Any gas pipe on the roof to be painted?** *No to both questions.*
- 47. Sedgwick County provided the project specifications on CD and plans in hard copy form. If the bidder wants these items in any other format it will be their responsibility to obtain.**

48. **Section 07141 calls for 120 mils DFT material. Normal application is 60 mils DFT. Please Clarify if you want 120 mils? Is the same material to be used on the inner cavity walls?** *Specification Section 07141 “Cold Fluid-Applied Waterproofing” – 60 mil DFT is acceptable. Waterproofing is to be applied to the planter walls and on the face of the inner wythe of all cavity walls. All joints in precast walls at planters are to be covered with sheet flashing.*
49. **Specification Section 13100 1.1 states “for the basement only”?** *In Section 13100, 1.1; delete the words “basement only” and replace with “the entire facility”.*
50. **Is the alarm check valve and trim necessary?** *If a new system is proposed, the alarm check valve and trim will be required. If an extension from the existing system is proposed, these items will not be required unless the fire marshal requests these.*
51. **Can we use a flow switch and electric bell in lieu of water motor gong?** *A flow switch and electric bell may be used instead of a water motor gong.*
52. **On Insurance- Exhibit A the last paragraph states that all builders risk insurance requires pneumatic and hydrostatic testing of the boiler and machinery. Plans do not show a new boiler. Can this insurance requirement be omitted?** *Testing will be required for the rework in the existing building due to valves, etc. being potentially replaced. Any damage from leaks, etc. that might be caused in the existing building and labs will need to be covered by builders risk insurance.*
53. **Drawing Sheet A1.2- Existing floor finish in Donor Recovery 142 is incorrectly called out as epoxy. Bidder is to remove the existing sheet vinyl flooring and integral cove base and prep slab for new epoxy flooring.**
54. **For Door mark 143b there is no hardware set. Please specify. Add Door Hardware Set 18 to the Hardware Schedule. Door 143b shall have Hardware Set 18.**

SET – 18

1 ea. Pr. Doors 143b

Each to Receive:

6 ea.	Butts	BB1279-26D-4 ½ x 4 ½	Hager
2 ea.	Push Pulls	70C x 110-32D	Rockwood
2 ea.	Closers	PR7500-689	Norton
2 ea.	Stops	406-32D	Rockwood
2 ea.	Magnets	M68	Securitron
2 ea.	Prox. Readers	By Others	
1 ea.	Power Supply	BPS-24-3	Securitron

55. **For Door mark 141- please provide the size of the existing opening and what type of hardware is going to be reused.** *Existing door is 3’-0”x7’-0”.* *Door has 1 ½ pair hinges, a passage set, and a thumb turn privacy deadbolt. Door and frame will be relocated. On Drawing Sheet A5.1 for Door 141 – Remove reference to Frame Type B and replace with EX (existing frame). Remarks column to read “relocated door and frame”.*
56. **Door Type 5A- relief grilles. Who is to provide these relief grilles- door vendors or mechanical suppliers? Are these metal louvers?** *Also need size. Door supplier to provide a 12”x12” metal louver in each leaf for Door Type 5A. Paint to match door frame.*
57. **Can date for final questions be moved to April 13, 09?** *No.*

- 58. The soils report notes that some debris/trash could be expected within the construction area and must be removed. Please provide information on how deep this debris/trash and where is it located in the construction area. Can there be an agreed amount (CY) of soil that is expected to be removed and a unit price established for additional soils that need replaced above the agreed amount?** *Contractor's base bid shall include removal of the concrete debris shown in Photos #1 and #2 in Appendix A of the Geotechnical Report to a depth of 3.5 feet. Debris can be quantified by on-site observation. Any additional excavation, fill and compaction of fill necessary for the removal of other existing footings, foundations, debris, or slabs not visible at the surface to be performed for a Unit Price. See new Bid Form (attached).*
- 59. CS1.2 at the east of the building notes leaving existing sidewalk between the two new drives. This sidewalk has four new rain leaders that run under it, in addition to the temporary construction drive. With all that traffic will the sidewalk need to be replaced?** *Remove section of sidewalk shown to remain and replace with a 4" sidewalk per details at completion of the project.*
- 60. CS1.2- Do the wheelchair ramps at the northeast of the project site get truncated dome pavers? Plan shows them to be tooled.** *Note on CS1.2 states to reference CS1.5 for details. Details on CS1.5 show detectable warning pavers.*
- 61. Reference the toilet accessory specification and A6.3. The specification only notes to provide and install grab bars, mirrors and mop racks. Sheet A6.3 shows more toilet accessories on the restroom elevations. Is the owner providing and installing these?** *Yes, Owner will provide all of the other accessories not called out in specifications. G.C. is responsible to provide appropriate blocking in walls for attachment of accessories and installation of those accessories.*
- 62. Reference D/A3.2 there is a note for DEFS finish on 5/8" fiber reinforced gyp board. The DEFS notes are typical throughout the plans. What does DEFS stand for?** *Replace 'DEFS (Direct-Applied Exterior Finish System)' note with 'Colored, textured, elastomeric finish'. See Specification Section 09220 PORTLAND CEMENT PLASTER. Provide built-in drip edge for transition between fascia and soffit.*
- 63. Please provide a specification for the stucco finish at the fascia on the entrance canopy.** *Specification Section 09220 PORTLAND CEMENT PLASTER is attached.*
- 64. Reference D/A3.3- Elevation shows putting new through wall flashing behind existing brick? 10/A4.2 has a note to demo the face brick at this location above the flashing. Please clarify what is needed at the tie-in to the existing building.** *Existing face brick is to be removed as required for installation of through wall flashing and salvaged for re-installation. New brick matching the existing may be used if color match is approved by Owner and Architect.*
- 65. 6, 7, & 8/A4.2- Is the backside of the parapet to be covered with gyp sheathing or plywood?** *As specified in Specification Section 06160 all sheathing is to be glass-mat gypsum sheathing.*
- 66. Will the owner be paying for any Westar Fees?** *No, all fees to be paid by the General Contractor.*
- 67. Will the owner be paying for any Kansas Gas Fees?** *No, all fees to be paid by the General Contractor.*
- 68. CD containing specifications did not have Division 2 section contained on it. CD's being distributed contain Division 2 sections. If CD is incomplete, please pick up a new CD.**
- 69. Please provide Three (3) original bid forms when submitting your bid.**

- 70. Fencing specification 02821 and Note on CS1.2, west side of old Alley says 6'-0" high black chain link. Where does the fence start and stop?** *Fence line is delineated as a line with an intermittent 'x'. Fence line starts at NE corner of Conference Room #110, continues around the entire parking lot and terminates at the NW corner of Drug Wet Lab #127.*
- 71. On CS1.2 areas of 6" concrete paving show the curb and gutter poured monolithically, the detail on CS1.5 shows separate curb and gutter. Which one is correct?** *CS1.2 shows locations for both combined curb and gutter and turned down sidewalks. CS1.5 shows details for both combined curb and gutter and turned down sidewalks.*
- 72. Will the precast wall panels above the ceiling in the southwest corner of room 102 cantilever?** **There is not a footing shown on S1.1.** *Yes, see Section B/A3.3.*
- 73. Specification Section 06640 "Plastic Panel"(frp)- Where?** *Provide FRP paneling up to 4'-0" at all walls of Janitor Closet 123. FRP to be Marlite P-140 Ivory or matching product from other manufacturer.*
- 74. Specification Section 07540 "Roof Walkways"- none are shown on A4.1 "Roof Plan". Where will they go?** *Provide a minimum 4' deep x width of service access at each RTU.*
- 75. Which of the interior metal stud walls are rated if any? Will they require fire safeing insulation and caulking?** *There are no rated walls. All acoustic walls (with designation 'a' on wall type) will require acoustic sealant at all joints and penetrations.*
- 76. Will there be metal stud framing and drywall on top of the walk in cooler in room 159?** *Yes, see note on Sheet A7.1.*
- 77. Which windows have the horz blinds called for in Specification Section 12491? Is room 136 the only internal one?** *All B and C type windows with the exception of the B windows in Hallway #140 shall have horizontal louver blinds. D type window into Trace Micro Lab #126 and lite in Door 136 will have between-the-glass blinds.*
- 78. Due to the sensitive nature of the business conducted here, can you provide a plan showing where temporary partitions shall be constructed and of what material?** *Construction of new wall for Door 143a and demolition of wall, door, and frame at it's existing location will have to be coordinated. If door cannot be removed and reinstalled in new partition in the same day then a plywood partition with a padlockable door will be needed to close off Body Receiving from the rest of the facility. If new building is not secured at the time of the connecting hallway penetration then similar construction will be needed to secure existing facility.*
- 79. Will supplemental structural members be required to permanently support the concrete ceiling over the vault when the CMU walls are removed?** *Refer to room 146. No.*
- 80. Is a PCI qualified precise erector required on this project?** *No, eliminate items relating to Installer Qualifications in Specification Section 03410 Plant-Precast Structural Concrete. Erector must still conform to PCI MNL 135 erection tolerances.*
- 81. Can you supply an updated bid form?** *See attached.*
- 82. On EO.1 General Note A/10 says the only thing E.C. is responsible for is conduit, on E2.1 keyed note #6 says E.C. is responsible for J-box, data connection, and conduit which one will it be?** *EC is responsible for j-box and conduit to above the nearest accessible ceiling at all of those locations.*

- 83. Alternate #2 calls for testing and balancing all equipment. A list of existing equipment needs to be provided.** *Original drawings for the mechanical equipment in the existing building are available for review at the offices of WDM Architects, 105 N. Washington between 8am and 5pm.*
- 84. Door Hardware Set 14 – Remove reference to magnets and power supply.**
- 85. Are we sprinkling the addition only or the existing also?** *Existing building is already fully sprinkled.*
- 86. The landscape drawing says 6” gravel over weed barrier. Spec says install mineral gravel mulch. What specifically should be installed (pea gravel, etc.).** *Landscape Contractor to provide graded 3/4”-2” diameter (no fines) tan, angular-shaped, local rock.*
- 87. Will fire service line require any private water project or engineering inspection fees by the Contractor or has that already been taken care of by the Owner?** *Contractor will be responsible for any and all inspection and permitting fees required for the system by the City of Wichita.*

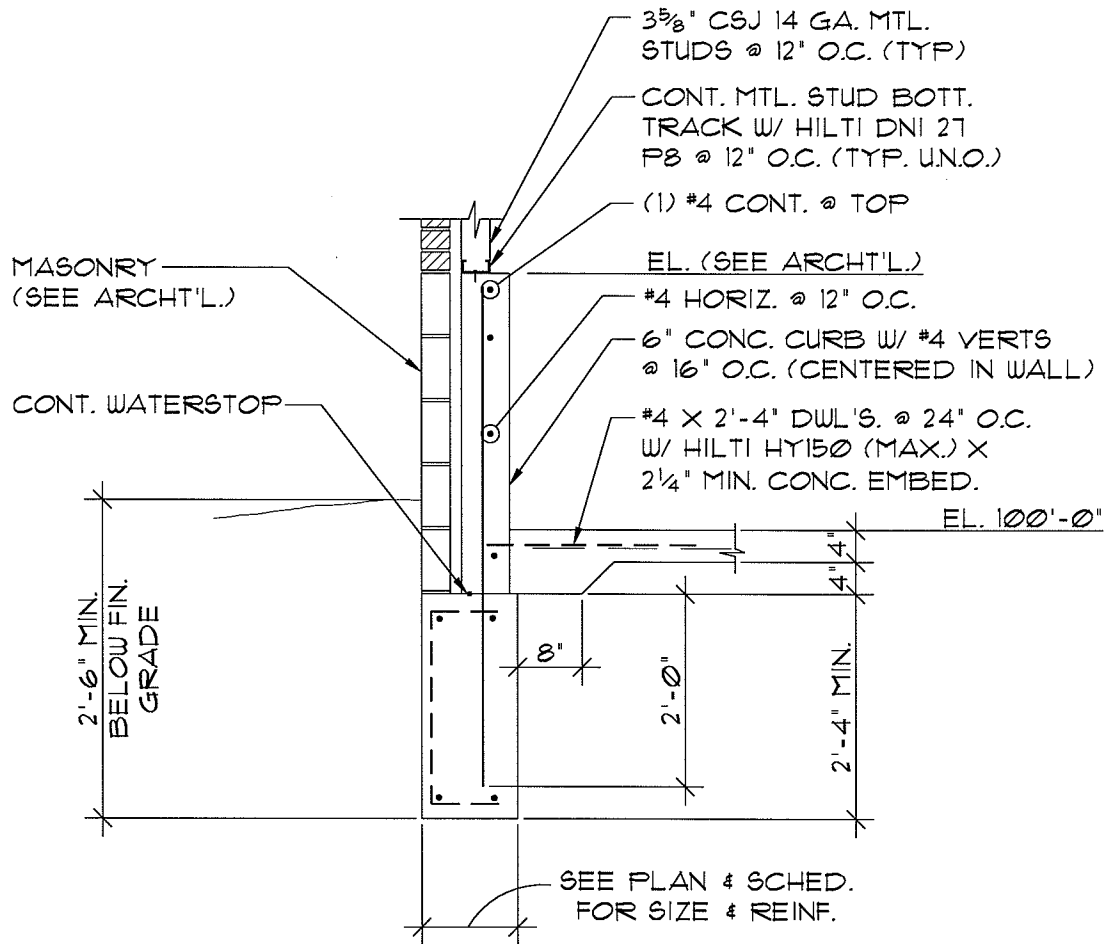
VENDOR & PRODUCT APPROVAL REQUESTS:

- 1. C&C Group asked for approved of their company to bid the temperature control system.** *The intent of the facility is to tie into the other Johnson Control systems. C&C’s proposal will improve the existing system, but will not solve other issues and concerns. The specifications for this project must be followed and will not allow for the products proposed by C&C.*
- 2. Approval of Carrier’s AC screw chiller. The match up with the basis of the designed chiller and exceeds in performance with regards to ARI full load efficiency and IPLV. Carrier is not an approved manufacturer.**
- 3. Specification Section 07141 “Cold Fluid Applied Waterproofing”- Subject to compliance with requirements, Polyguard PG-5000 is an approved product.**
- 4. Is Hydroza Enviroseal 20 water repellant acceptable to use?** *Specification Section 07190 “Water Repellents” – Subject to compliance with requirements, Hydrozo Environseal 20 is an approved product.*
- 5. Specification Section 07190 “Water Repellants” – Subject to compliance with requirements, ProSoCo Siloxane PD is an approved product.**
- 6. Approval of STONHARD Products. Stonhard is listed in the specifications as an approved manufacturer under the “Basis of Design Product”. Must be able to provide an equal or better product than the Tnemec product listed.**
- 7. The following generator manufacturer’s meet the specifications and are approved: Caterpillar and Kohler.**
- 8. Approval of Generac Generators and Automatic Transfer Switches under Section 16231, paragraph 2.1. Generac is not an approved manufacturer.**
- 9. Specification Section 03300 CAST-IN-PLACE CONCRETE – Subject to compliance with requirements, Stego Wrap 15 is an approved vapor retarder.**

Firms interested in submitting a bid, must respond with one (1) original and two (2) copies of the entire document and all supplementary materials and deliver on or before 1:45 pm (CDT), Tuesday, April 21, 2009. Late bids will not be accepted and will not receive consideration for final award.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID RESPONSE PAGE.

Joe Thomas, C.P.M.
Senior Purchasing Agent



D SECTION @ FNDN.
S5.1

1/2" = 1'-0"

MKEC
 ENGINEERING
 CONSULTANTS, INC.

411 N. WEBB ROAD
 WICHITA, KS. 67206
 316 - 684 - 9600

SEDGWICK COUNTY
 REGIONAL FORENSIC
 SCIENCE CENTER

10th Street North & Minneapolis Ave.
 Wichita, Kansas

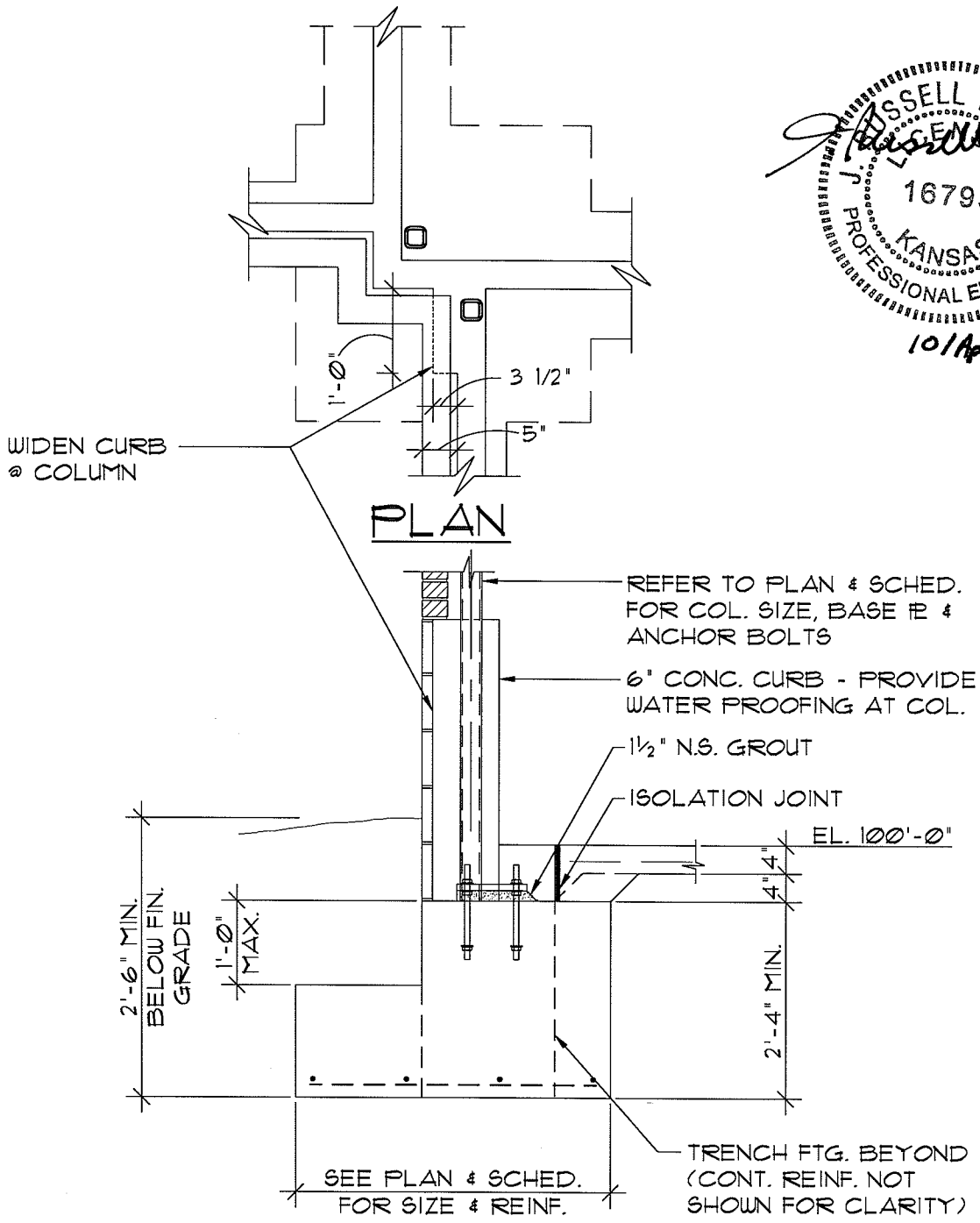
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 04-08-09

SECTION @ FOUNDATION

MKEC No. 0701060223
 drawn RLL
 checked RR

S5.1

RUSSELL RADEBOLD
 16793
 KANSAS
 PROFESSIONAL ENGINEER
 10/Apr/09



SECTION @ FNDN.
 S5.1
 1/2" = 1'-0"

MKEC
 ENGINEERING
 CONSULTANTS, INC.

411 N. WEBB ROAD
 WICHITA, KS. 67206
 316 - 684 - 9600

SEDGWICK COUNTY
 REGIONAL FORENSIC
 SCIENCE CENTER

10th Street North & Minneapolis Ave.
 Wichita, Kansas

PRINTS ISSUED
 04-10-09

MKEC No. 0701060223
 drawn: RLL
 checked: RR

SECTION @ FOUNDATION

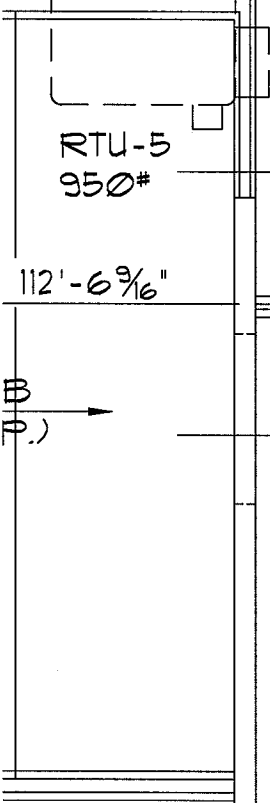
S5.1

112'-2³/₁₆"

112'-6³/₁₆"

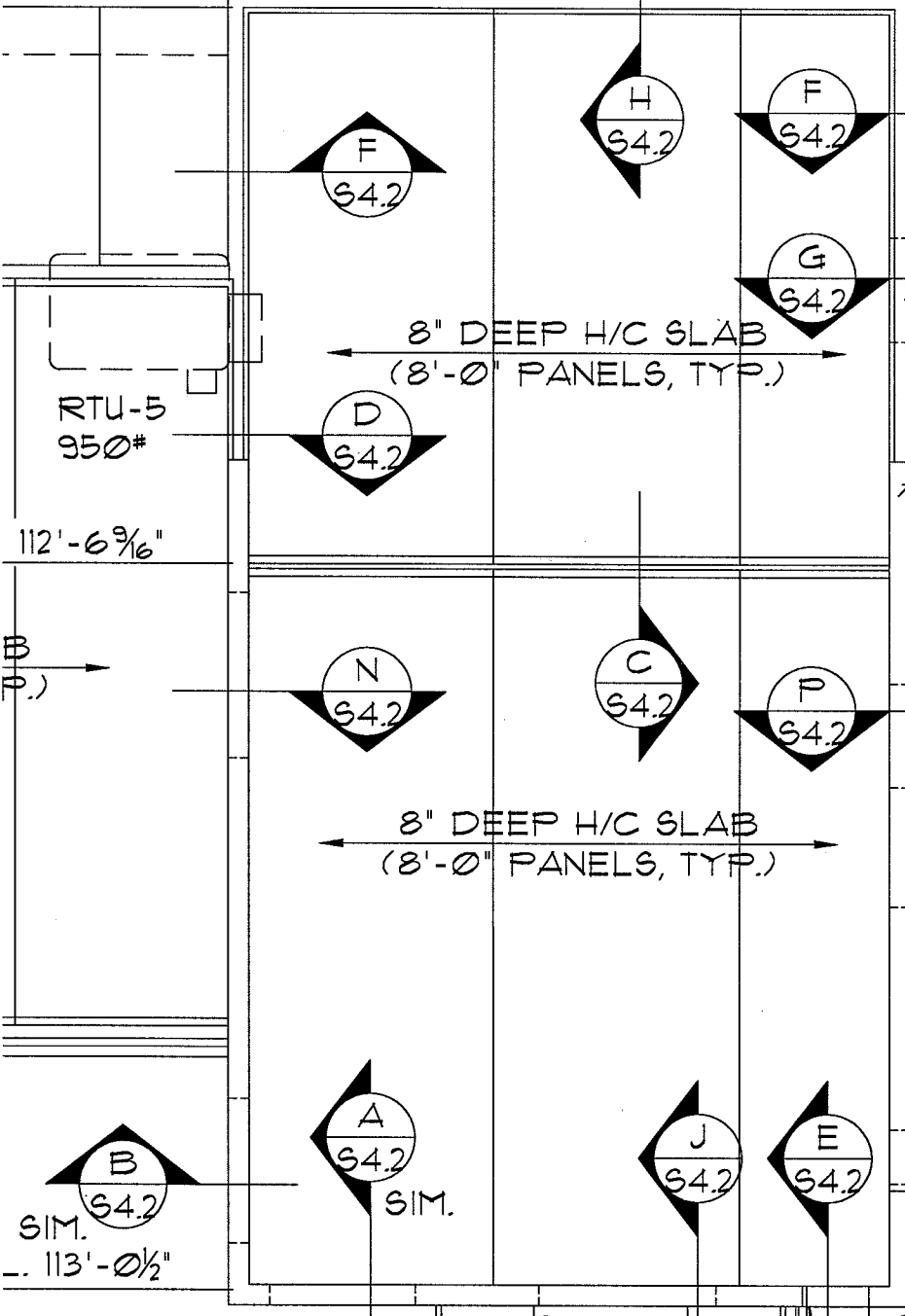
113'-0¹/₂"

3'-10"

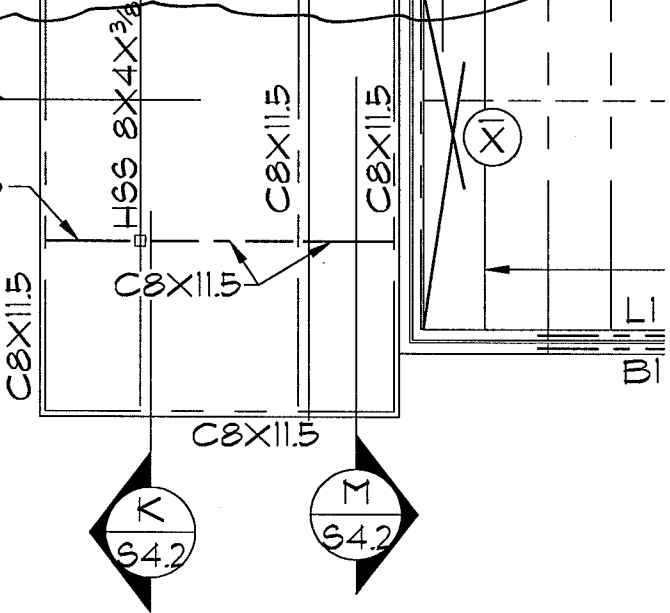


8" DEEP H/C SLAB
(8'-0" PANELS, TYP.)

8" DEEP H/C SLAB
(8'-0" PANELS, TYP.)

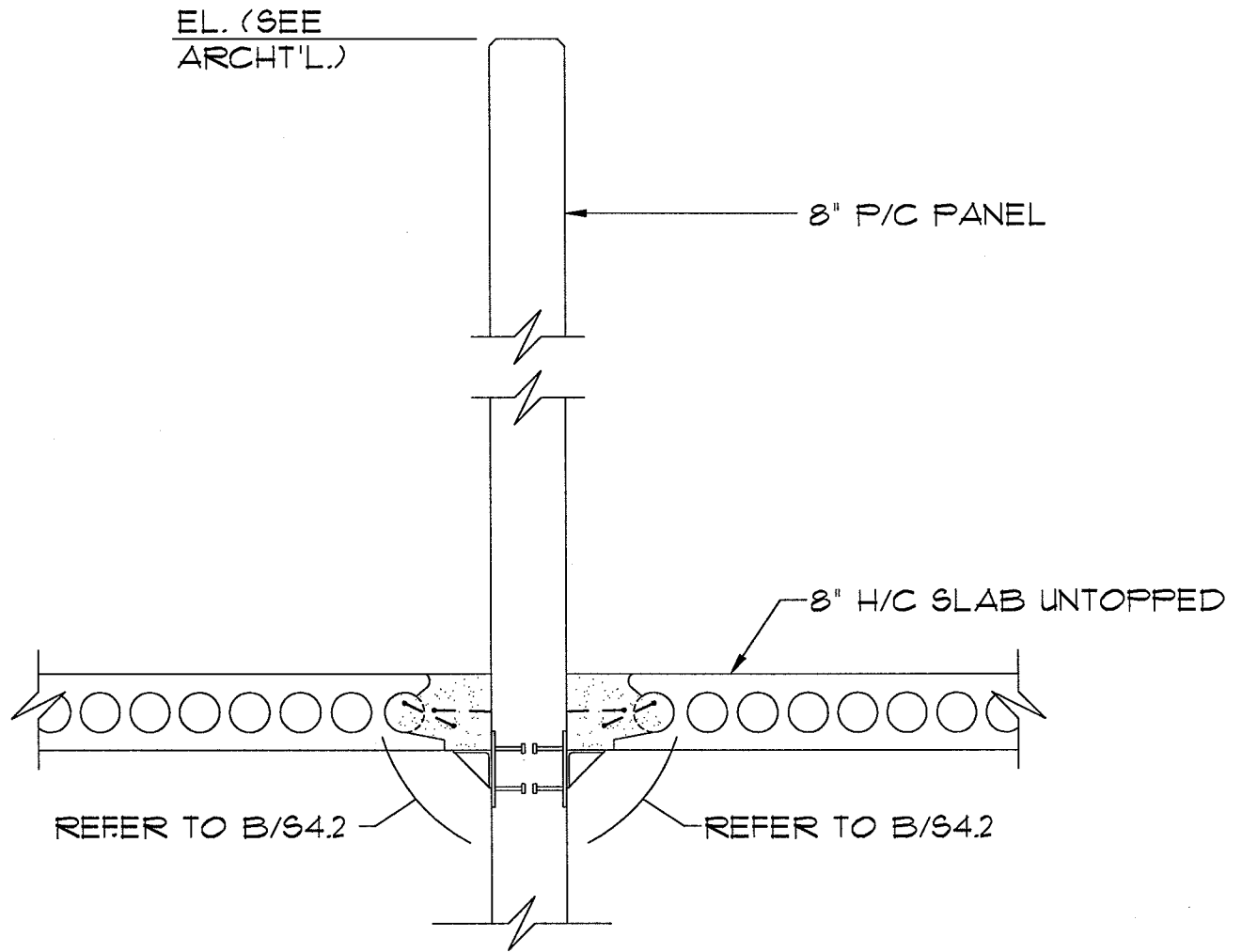


SIM.
113'-0¹/₂"



SG. Co. Forensic Bldg.
WICHITA KS
7/APR/09

Partial S2.1

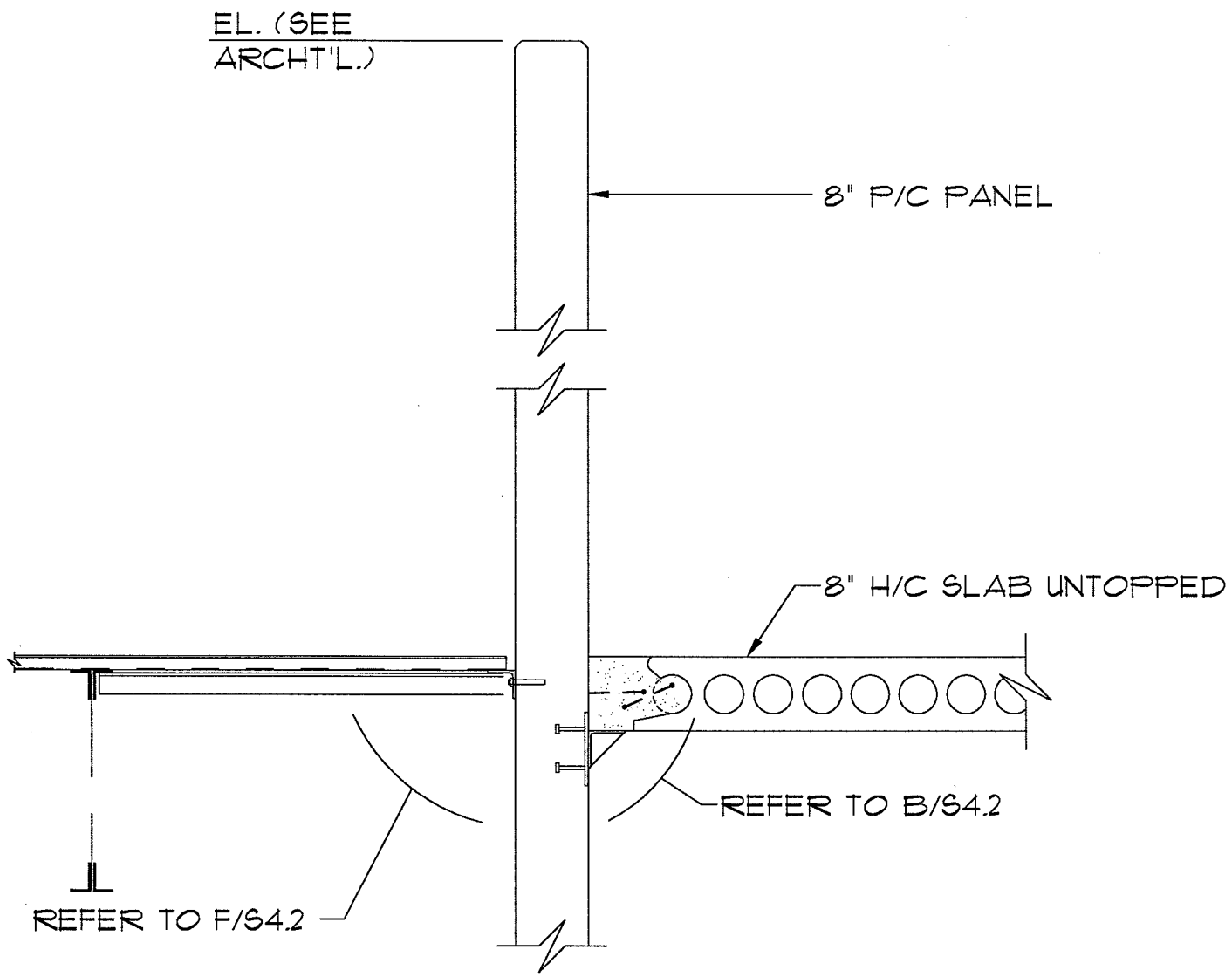


N
S4.2

SECTION @ ROOF

1/2" = 1'-0"

SG. CO. Forensic Bldg.
WICHITA KS
7/ Apr 109



P SECTION @ ROOF
S4.2

1/2" = 1'-0"

SG. CO. Forensic BLDG.
 WICHITA, KS
 7/1 Apr 09

Expansion of the Sedgwick County Regional Forensic Science Center

11/2008

SECTION 09220 - PORTLAND CEMENT PLASTER

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Exterior portland cement plasterwork (stucco) on metal lath.

- B. Related Sections:

- 1. Division 5 Section "Cold-Formed Metal Framing" for structural, load-bearing (transverse and axial) steel studs and joists that support lath and portland cement plaster.
- 2. Division 6 Section "Rough Carpentry" for wood framing and furring included in portland cement plaster assemblies.
- 3. Division 6 Section "Sheathing" for sheathing and water-resistant barriers included in portland cement plaster assemblies.
- 4. Division 7 Section "Building Insulation" for thermal insulations and vapor retarders included in portland cement plaster assemblies.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples for Verification: For each type of colored, textured finish coat indicated; **12 by 12 inches (305 by 305 mm)**, and prepared on rigid backing.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic, and other causes.

1.5 PROJECT CONDITIONS

- A. Comply with ASTM C 926 requirements.
- B. Exterior Plasterwork:

Expansion of the Sedgwick County Regional Forensic Science Center

11/2008

1. Apply and cure plaster to prevent plaster drying out during curing period. Use procedures required by climatic conditions, including moist curing, providing coverings, and providing barriers to deflect sunlight and wind.
2. Apply plaster when ambient temperature is greater than 40 deg F (4.4 deg C).
3. Protect plaster coats from freezing for not less than 48 hours after set of plaster coat has occurred.

PART 2 - PRODUCTS

2.1 METAL LATH

- A. Expanded-Metal Lath: ASTM C 847 with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.
- B. Paper Backing: FS UU-B-790, Type I, Grade D, Style 2 vapor-permeable paper.
 1. Provide two layers of paper-backed lath at exterior locations.

2.2 ACCESSORIES

- A. General: Comply with ASTM C 1063 and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.
- B. Metal Accessories:
 1. Cornerite: Fabricated from metal lath with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.
 2. External-Corner Reinforcement: Fabricated from metal lath with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.
 3. Control Joints: Fabricated from zinc or zinc-coated (galvanized) steel; one-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint.

2.3 MISCELLANEOUS MATERIALS

- A. Water for Mixing: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.
- B. Fiber for Base Coat: Alkaline-resistant glass or polypropylene fibers, 1/2 inch (13 mm) long, free of contaminants, manufactured for use in portland cement plaster.
- C. Bonding Compound: ASTM C 932.
- D. Steel Drill Screws: For metal-to-metal fastening, ASTM C 1002 or ASTM C 954, as required by thickness of metal being fastened; with pan head that is suitable for application; in lengths required to achieve penetration through joined materials of no fewer than three exposed threads.
- E. Fasteners for Attaching Metal Lath to Substrates: Complying with ASTM C 1063.

Expansion of the Sedgwick County Regional Forensic Science Center

11/2008

- F. Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, not less than 0.0475-inch (1.21-mm) diameter, unless otherwise indicated.

2.4 PLASTER MATERIALS

- A. Portland Cement: ASTM C 150, Type II.
 - 1. Color for Finish Coats: Gray.
- B. Lime: ASTM C 206, Type S; or ASTM C 207, Type S.
- C. Sand Aggregate: ASTM C 144.
- D. Ready-Mixed Plaster: Mill-mixed portland cement and proprietary ingredients.
 - 1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Ultra Kote Products, Inc., ShurKote 1.
- E. Acrylic-Based Elastomeric Finish Coatings: Factory-mixed acrylic-emulsion coating systems, formulated with colorfast mineral pigments and fine aggregates; for use over portland cement plaster base coats. Include manufacturer's recommended primers and sealing topcoats for acrylic-based finishes.
 - 1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Ultra Kote Products, Inc., ShurFlex.
 - 2. Color: Match Architect's sample.

2.5 PLASTER MIXES

- A. General: Comply with ASTM C 926 for applications indicated.
 - 1. Fiber Content: Add fiber to base-coat mixes after ingredients have mixed at least two minutes. Comply with fiber manufacturer's written instructions for fiber quantities in mixes, but do not exceed 1 lb of fiber/cu. yd. (0.6 kg of fiber/cu. m) of cementitious materials.
- B. Base-Coat Mixes for Use over Metal Lath: Scratch and brown coats for three-coat plasterwork.
- C. Factory-Prepared Finish-Coat Mixes: For acrylic-based finish coatings, comply with manufacturer's written instructions.

Expansion of the Sedgwick County Regional Forensic Science Center

11/2008

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Protect adjacent work from soiling, spattering, moisture deterioration, and other harmful effects caused by plastering.
- B. Prepare solid substrates for plaster that are smooth or that do not have the suction capability required to bond with plaster according to ASTM C 926.

3.3 INSTALLING METAL LATH

- A. Expanded-Metal Lath: Install according to ASTM C 1063.

3.4 INSTALLING ACCESSORIES

- A. Install according to ASTM C 1063 and at locations indicated on Drawings.
- B. Reinforcement for External Corners:
 - 1. Install lath-type, external-corner reinforcement at exterior locations.
- C. Control Joints: Install control joints at locations indicated on Drawings.

3.5 PLASTER APPLICATION

- A. General: Comply with ASTM C 926.
 - 1. Do not deviate more than plus or minus **1/4 inch in 10 feet (6.4 mm in 3 m)** from a true plane in finished plaster surfaces, as measured by a **10-foot (3-m)** straightedge placed on surface.
 - 2. Finish plaster flush with metal frames and other built-in metal items or accessories that act as a plaster ground unless otherwise indicated. Where casing bead does not terminate plaster at metal frame, cut base coat free from metal frame before plaster sets and groove finish coat at junctures with metal.
- B. Fascias; Base-Coat Mixes for Use over Metal Lath: Scratch and brown coats for three-coat plasterwork; **3/4-inch (19-mm)** thickness.

Expansion of the Sedgwick County Regional Forensic Science Center

11/2008

- C. Soffits: Colored, textured, elastomeric acrylic finish to match fascia.
- D. Plaster Finish Coats: Apply to provide sand finish to match Architect's sample.
- E. Acrylic-Based Finish Coatings: Apply coating system, including primers, finish coats, and sealing topcoats, according to manufacturer's written instructions.

3.6 PLASTER REPAIRS

- A. Repair or replace work to eliminate cracks, dents, blisters, buckles, crazing and check cracking, dry outs, efflorescence, sweat outs, and similar defects and where bond to substrate has failed.

3.7 PROTECTION

- A. Remove temporary protection and enclosure of other work. Promptly remove plaster from door frames, windows, and other surfaces not indicated to be plastered. Repair floors, walls, and other surfaces stained, marred, or otherwise damaged during plastering.

END OF SECTION 09220

BID FORM

BID PROVIDED BY:

(Company Name)

TO: Paula Downs, Project Services Manager
Facility Project Services
Munger Building
538 North Main
Wichita, Kansas 67203

I have received the Bid Documents, Specifications, and Construction Documents, collectively known as the Contract Documents for construction of the

Expansion of the Sedgwick County Regional Forensic Science Center

as prepared by WDM Architects P.A.

In submitting this Bid, I agree:

1. To hold my Bid open for 90 days after the date of this Bid.
2. To enter into and execute the Work, if awarded on the basis of this Bid, and to proceed in accordance with the requirements of the General Conditions and Contract Form.
3. To provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the Work in accordance with the proposed Contract Documents.
4. To remove and haul away from the construction site any and all debris arising from this contract and to assume sole liability for all removal, handling, and dumping of debris.
5. To comply with any and all local, state, federal or other governmental laws, rules and regulations with respect to the transportation, disposal, and dumping of debris and other excavated materials and Contract shall secure any and all necessary permits and approvals incident to said transportation, dumping and disposal.
6. To further agree to indemnify and hold the Owner and Designer harmless from any and all claims and/or damage of any kind whatsoever as a result of the Contractor's performance of this contract.

7. That attached to this bid is one copy of the Certificate of Insurance including Contractor's General Automotive Liability, Workers Compensation Insurance and Owner's Liability Insurance.

8. **CALENDAR DAYS:**

The Undersigned agrees to reach Substantial Completion of the work in _____ consecutive calendar days from the date of Notice to Proceed. The Undersigned agrees to reach final completion of the Work in _____ consecutive calendar days from the date of Substantial Completion.

9. **BASE BID:**

To complete the base bid work, in the time stipulated, in accordance with the Bidding Documents for the lump sum price of: _____

10. **ALTERNATES:**

Alternate No. 1 - Provide complete air and water balancing to all HVAC, hydronic and lab hood devices within the existing building. Make adjustment and repairs as needed to provide a system that meets the design numbers shown on the original contract documents for the project. Provide leak testing to all underground chilled water piping prior to connection of the new chiller. Copies of the existing building can be obtained from the county upon request. JCI to provide all new controls, automated valves/dampers and actuators for the entire HVAC, hydronic and laboratory hood systems within the existing building. JCI to also monitor all UV lighting and alarm if not functioning as designed. TAB contractor to work closely with JCI to aid in providing a system meeting the original criteria. Mechanical contractor to replace any items that are not functioning properly that are not covered by JCI.

Alternate No. 1 Lump Sum Price: _____

Alternate No. 2 - Provide all demolition (pipe and concrete), piping replacement, underground containment piping, excavation and new concrete for all buried chilled water piping from the chiller to the mechanical room. All chilled water piping to be welded schedule 40 black iron with PCV containment piping. All concrete to be of the same thickness as existing and tied in with rebar to the existing slab.

Alternate No. 2 Lump Sum Price: _____

11. **UNIT PRICES:**

Unit Price No. 1 – Per cubic yard unit price for excavation of existing footings, foundations, slabs, or other debris not visible at the surface. Unit price to include removal from site of material excavated, fill for excavation, compaction of fill, and any required testing.

Unit Price No. 1 - _____ per cubic yard.

12. **ADDENDA:**

The Bidder acknowledges receipt of the following numbered Addenda:

None () #1 () #2 () #3 () #4 () #5 ()

11. **AGREEMENTS:**

The Undersigned agrees to the following terms and conditions:

- a. An incomplete Bid, or other information not requested which is written on this Bid Form, may be cause for rejection.
- b. Read the Invitation for Bids and the Instructions to Bidders carefully.
- c. The Owner reserves the right to reject any or all Bids and to waive all technicalities should such action be deemed to be in the best interest of the Owner.
- d. This Bid may not be withdrawn for a period of 90 calendar days following the receipt and opening.
- e. Failure to acknowledge receipt of any Addendum issued may be cause for a Bid rejection.
- f. In the event that changes to the Work are required, the undersigned agrees that ten percent (10%) total between General and Subcontractors of his net costs shall be added thereto for Overhead, Profit and General Requirements (including, but not limited to, Insurance and Bonds).

12. **MAJOR SUBCONTRACTORS:**

The Undersigned acknowledges the following named major subcontractors are to be used for their respective division of work. Contractors shall identify by type, any disadvantaged minority and women-owned businesses used as a subcontractor for this project.

Electrical Subcontractor _____

Mechanical Subcontractor: _____

Controls Subcontractor: _____

Roofing Subcontractor: _____

13. **DECLARATIONS:**

The Undersigned hereby declares he has carefully examined the Drawings and Specifications, has visited the actual location of the Work, has satisfied himself as to all conditions and understands that, in signing this Form of Bid, he waives all right to plead any misunderstandings regarding same and agrees to be bound by the provisions of said Drawings and Specifications and all statements made therein.

The Undersigned proposes to enter into Contract and to furnish and pay for the specified Bonds and other required Documents within 15 working days after notification of award of Contract.

SIGNATURE AND SEAL

DATED THIS _____ DAY OF _____, 2009.

LEGAL NAME OF PERSON, FIRM OR CORPORATION

MAILING ADDRESS OF ABOVE

(Affix Corporate Seal here)

SIGNATURE

TELEPHONE NUMBER FAX NUMBER

E-MAIL

Tax Information Required

Please provide 1099 reporting number

Federal ID Number: _____

Or Social Security Number: _____

Business Name: _____

Address: _____

City, State and Zip Code: _____

Please check appropriate space:

____ Individual/Sole Proprietor ____ Corporation ____ Partnership

____ LLC ____ Other _____