Evidence Storage Q &A

B2000080 – Posted March 4, 2020

1. Is all Division 10 equipment, including the mobile system part of the GC package or is that being handled separately by you the owner?
   Answer: Owner will contract with supplier of restroom dispensers identified in section 10800. Contractor will be required to install the owner provided item. The General Contractor will be responsible for purchasing and installing all other items in division 10.

2. Is the Datum Mobile System a mechanical assist system or electric assist? Also, it refers to the drawing for sizes but none of that is clear.
   Answer: Section 10660 is titled High-Density Mobile Storage Units (Mechanical Assisted Movement). I don’t believe there is any reference to electric assist in the specification.

3. For the Pass-Through Locker Spec Section 10510 it refers to SECTION 1/A6 for the sizes and configurations........not sure where that is?
   Answer: Cross section 1/A6 notes the location of Receiving /Packaging area #111. The widths of the evidence lockers are indicated on the elevation. The sizes are the door opening and maybe adjusted to meet vendors standard door widths and heights.

4. Is there a soils report for this project?
   Answer: Yes, will be provided to GC

5. Is surveying covered by the county or the GC?
   Answer: GC

6. Noticed in the project manual there is a Division 13 PEMB. Where on the drawings does this building go?
   Answer: The PEMB portion of the building is located between grid lines 1 and 5. See Cross Sections 1/A5 and 2/A6. Also see West Elevation sheet A4.

7. Would it be possible to consider a Pre-engineered metal building with the CMU walls?
   Answer: Needs to be built according to plans that are published.

8. Are the CMU walls at column lines 1 and 5 self-supporting or do they require support from the frames?
   Answer: CMU is attached to reverse metal panel sheathing. Sheathing is attached to wall girts. See notes on Wall Sections 1/A8 and 4/A10.

9. The site plan Sheet C1 doesn’t clearly identify if the new drive is concrete or asphalt.
   Answer: All new pavement is concrete.

10. There is no cut section showing pavement thickness and base course. Please advise.
   Answer: A Pavement design will be provided by the Geotechnical Engineer (unless this has been done already).

11. The specifications call out 12352- Furnishing- Science Casework. Please provide this spec.
Table of contents: In Division 12 delete reference to Casework Section 12356 and Laboratory Hood Section 12550. The Lab hood is the only Division 12 item. All other counters and work surfaces are millwork.

12. Please confirm that 12550 Laboratory Hood is a part of this project and the two Compact Fiberglass Hoods to be provided and installed by Contractor.
   Answer: Hoods to be furnished and installed by the contractor.

13. A16 shows East Gate Elevation, is that detail the same for the West Gate?
   Answer: A16 East Gate elevation is for the trash enclosure. The East entrance & West exit gates are swing gates.

   Answer: Any carpet and rubber base will be provided by owner, any VCT and Tile will be provided by GC.

15. Is there tile in the bathrooms (walls)?
   Answer: No tile

16. Low Voltage/telecom by owner?
   Answer: Yes, the owner will provide.

17. HVAC Controls, any specific company we need to use?
   Answer: The current building is Setpoint, we would like the addition to be Setpoint as well.

18. In pre-bid mentioned clearance to work in building (if awarded GC). Extent of clearance for subcontractors? Does that consist of a background check for each subcontractor? Does GC pay for that?
   Answer: A background check will need to be completed on workers needing access into existing building. Background paperwork will be provided to GC for workers to fill out. No cost to the GC.

19. Fire Sprinkler required?
   Answer: No fire sprinkler system required.

20. Who is manufacturer for the existing fire alarm system and is there a company that currently owns the contract for monitoring?
   Answer: Fire-lite or Silent-nite Monitoring by Dictogard

21. Is the electrical contractor to provide a raceway from the IT room out to each of the devices, or are they just required to provide a raceway from the device up into the ceiling?
   Answer: Electrical contractor shall be responsible for providing backboxes, raceways, pull strings, etc. in walls from the device locations to ceiling plenum. In addition, provide raceway from existing building to new IT Room. Owner or owner’s contractor will be responsible for the routing of wiring with-in the plenum.
22. Drawing E0.1), RGS or IMC shall be used in all areas subject to weather or mechanical damage.
   Are the garages or anywhere else on the interior of the building be considered areas that are subject to mechanical damage?
   Answer: EMT may be used in all interior locations including the garage.

23. Please confirm all permits fees will be paid by Weld County.
   Answer: Yes, all construction must be permitted and comply with County Building codes. Fees for permitting through the County will be paid for by the County directly and should not be included in the proposal.

24. Please confirm this is not a prevailing wage project.
   Answer: Davis Bacon & buy American are not required for this project

25. Please confirm this is a tax exempt project.
   Answer: Yes, Weld County is tax exempt.

26. Does the new fire alarm system need to match the existing system? If so what is that system?
   Answer: Yes, Fire-lite or Silent-nite

27. Do the RTUs have a BACnet interface or if they will be hard wired?
   Answer: Mechanical equipment shall be controlled through the BMS. Refer to spec sections 23 09 23 and 23 09 93.

28. The drawings reference a control spec and there wasn't a separate controls spec in the documents provided. Will one be provided?
   Answer:
SECTION 230923 - DIRECT DIGITAL CONTROL SYSTEM FOR HVAC

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.

B. Refer to Specification Section 230800 "Mechanical, Electrical and Plumbing Systems Commissioning for required coordination with the Commissioning Authority.

C. The controls contractor shall provide assistance to the Commissioning Authority during the commissioning process.

1.2 SUMMARY

A. Section Includes:
   1. DDC system for monitoring and controlling of HVAC systems.
   2. Delivery of selected control devices to equipment and systems manufacturers for factory installation and to HVAC systems installers for field installation.

1.3 WORK DESCRIPTION

A. The Building Management System (BMS) shall perform both monitoring and control of mechanical and electrical equipment for building management, energy conservation, and environmental control.

B. The BMS control philosophy shall be direct digital control and be implemented by a distributed digital system.

C. A personal computer (PC) shall provide for overall building data acquisition and transfer, report generation, historical data storage and retrieval, and operator interface. Location of PC shall be in building engineer's office.

D. The PC and DDCs shall communicate through dedicated communications network(s). All communications on network shall be by digital signals only.

E. Operator's workstation shall as minimum support Point-to-Point (PTP) and Ethernet LAN types.

F. The Direct Digital Controllers shall perform remote data acquisition and process control. DDC panels shall be locally mounted completely capable of stand alone operation.

G. Each DDC shall be connected to its particular controlled environment through field input/output (I/O) instrumentation.

DIRECT DIGITAL CONTROL SYSTEM FOR HVAC

29. Sheet A-3 shows FE-3 & FE-4 as break metal frame but the specifications do not indicate break metal frames. Please define.

   Answer: Break metal is metal formed using a break. Sheet metal is formed using a break.

   See Section 07600 Sheet metal, gauge 26.

30. Detail 1/A6 indicates movable dividers in room 106. Is there a specification for this item? Is it to be F & I by the GC?

   Answer: The divider is movable and will be owner furnished.
31. The specifications call for two-part epoxy can a one-part epoxy be used in lieu of a two part epoxy?
Answer: One part is acceptable

32. Structural plans indicate deferred submittals. The pre-engineered building by definition includes engineering. What allowance should GC's hold for deferred submittals for engineering and materials and or are not specified on the plans?
Answer: We expect the company providing the PEMB portion of the structure to include the design engineering in their price. Once loads are determined the foundation design will reviewed and adjustments made as is appropriate.

33. Sheet A1 shows what appears to be shelving in rooms 133 with no description. Is this similar to shelving indicated in room 128 and to be F & I by the GC? Please confirm.
Answer: There is no shelving shown in room 133

34. Sheet P1.1 Note # 2 states that trench drains will use the sand oils separator will serve as the trap, however two trench drains located in Garage 131 are not plumbed to the SOI.
Answer: A single vent serving the two trench drains in Garage 131 shall act as a circuit vent. Vent to be located in CMU wall between Garage and Storage.

35. The latest set of plans dated 2/4/20 do not contain the plumbing plans. Are new / revised plumbing plans available?
Answer: Bid Spec include the plumbing plans.

36. Sheet E.01 Note 9 under Distribution Equipment states: “Provide arc flash labeling on all distribution equipment” Who is to pay for the arc flash study?
Answer: Electrical contractor responsible for arc flash study and labeling.

37. Sheet E0.2 Note 1 states: provide new breaker “in existing switchboard” please confirm the existing gear manufacturer.
Answer: Existing switchgear is Square D. Contractor responsible to field verify all other conditions.

38. The table of contents lists Spec Section 12352 Science Casework, but there is no spec section included for 12352 Science Casework.
Answer: There is no science casework.
   Table of Contents: Division 12 delete reference to Casework Section 12356 add Laboratory Hood Section 12550.
   The Lab hood is the only Division 12 item. All other counters and work surfaces are millwork.

39. Please confirm if the following items are provided and installed by owner or contractor:
   a. Room 102: Wall mounted projector screen
   b. Room 111: Fixed worktable 4x8
   c. Room 106: Movable divider
Answer: These items will be owner furnished and installed.

40. Unisex RR 123: The room finish schedule calls for epoxy on walls. Detail F/A12 calls for epoxy above CT wainscot on wet walls. Please clarify.
Answer: East and north wall of room 123 are wet walls. FRP will be installed in lieu of Ceramic tile shown but not called out. Shower is a molded fiberglass unit. There will be no ceramic tile as indicated in elevations G/A12 & H/A12.
In room 116 the shower is a molded fiberglass unit. There is no ceramic tile in the shower as indicated in elevations D/A12 & E/A12.

41. Detail 1/A12 calls for 4” fluid applied flooring base, should this be 4” coved rubber base?
Answer: Change 4” fluid applied base to 4” coved rubber base.

42. What substrate is the mason attaching masonry ties to for the exterior block? Is drainage inside the wall going to be an issue?
Answer: Reverse rolled metal panel.

43. C1 Site Plan calls for concrete retaining wall 3.5’ max height at explosive storage. Please provide a detail for foundation and retaining wall.
Answer:
44. Is the explosive storage unit on the northwest corner of the parking lot to be set on a concrete slab? If so, please provide slab thickness and reinforcing details.

   Answer: Unit is skid mounted. See above detail.

45. Site Demo calls for (2) sidewalk chases to be salvaged and reused. Please confirm locations.
Answer: The location of the existing chases is shown on the demolition plan at the existing roof drains. The re-used chases will be placed in the new sidewalk to accept water from the same roof drains.

46. C1 Site Plan calls for ramp in two locations along the south side of the addition and stairs on west side. Please provide a detail for each location.
Answer: Stair Drawings with additional spot elevations and dimensions

Ramp drawings with additional spot elevations and dimensions
47. Trash Enclosure plan on A16 calls for 6’ x 14’ 6” thick concrete apron. Site plan shows asphalt in this location. Please clarify.
   Answer: There will be a concrete floor in the trash enclosure.

48. New sidewalks on north, west and south sides don’t show a handicap ramp. Are handicap ramps not required in these locations.
    Answer: There are no handicap ramps required on the north and west. The handicap ramps shown on the south side are required.

49. Are we to assume spill curb along the new sidewalk on west and south side?
    Answer: The west side is thickened edge sidewalk as shown on the drawings. (No curb required) The new curb south of the building is called out as spill curb.

50. Note on A1 Floor Plan in Cataloging 110 states “Glass Dr. Back Side”. Please clarify. What wall type is located behind the evidence lockers?
    Answer: Evidence lockers can be open from room 111 and from 110. Evidence lockers are to be installed in GDW wall. See specification Section 10150.
51. Are the equipment pads shown on C1 to be precast or cast-in-place? Please provide concrete thickness.
   Answer: Pad to be 8’x10’x 6” thick

52. Is dryfall to be used on exposed ceilings?
   Answer: Yes

53. Room Finish Schedule calls for GDW-1 hard lid in Room 115, RCP shows ACT ceiling. Please clarify.
   Answer: RCP is correct, ceiling is to be ACT, prefinished

54. Room Finish Schedule calls for GDW-1 hardlid in Room 126, RCP shows exposed ceiling. Please clarify.
   Answer: RCP is correct, the ceiling is exposed, paint

55. Please provide a specification for exterior swing gates and operators.
   Answer:

   SECTION 10300 – COMPOSITE FENCING AND SWINGING GATE

   Materials

   Materials identified are products of Natures Composite, Torrington, Wyoming. Equivalent products of other manufacturers will be acceptable subject to compliance with design, function, materials and finish of specified items. Provide each accessory complete with necessary mounting plates, anchors and fasteners suited for use with supporting construction.

   Product:
   Modular fence and gate system with individual steel framed panels, composite fence boards designed for flat sloping and uneven terrain.

   Panel style: Mesa Vertical Composite Fence System.
   Panel width: 96”
   Panel height: 72”
   Fence Board Color: Rosewood

   Panel Components

   Fence Boards 7/8” x 6” wide x 70”
   Post: 1 5/8” x 1 5/8” 12gauge, U shaped with pre-drilled bolt holes at 8” O.C.
   Top & bottom rails: 1 5/8” x 1 5/8” 12 gauge with G-90 galvanized dip and powder coat.

   Installation:
   Set posts in 12” diameter by 24” deep concrete footing.
   Install modular fence in accordance with manufacturer’s instructions and approved submittals
Gate package

DuraGate KIT -10X6-FS-SW Flat Top10’x6’ Single Swing Gate and Automation Kit

Gate: Frame sides and bottom 40x40 2mm tube, frame top horizontal 40x30 x2mm tube, Second row top and bottom 30x5mm flat bar

Actuator: Platinum Access System model ACTP715

90 degree opening, gate length 10’-0”, Continuous duty Brush Motor 24V DC, Power input 100/240 VAC, On/Off switch, built-in battery backup.

Keypad: PA1220, Dimensions 8.7” x3”x6.8” mounted on PGN-42 goose neck pole.

Installation:

Provide 2 gates at each location. Each gate leaf shall have a10’-0” x 6’-0” panel section of Mesa Vertical Composite Fence attached to the exterior side of the gate. The east gate will be the entrance to the compound and south gate will be exit. The east gate will swing into the compound and the south gate will also swing into the compound. On the driver side of the gate install a keypad mounted on a goose neck post that will actuate both gates. Provide a delayed ground loop system to close gate after vehicle has enter or exited compound. At each gate location provide additional power and any other items necessary to operate the two gates and to make complete operating system.

End of Section

56. Please clarify notes on A17 regarding screen fence. Site is not located at the corner of Hwys 34 and 257.
   Answer: The fence design is like the vision fence that was constructed at the intersection of highway 257 and 34

57. Identify on site plan where the screen fence transitions to chain link.
   Answer: There is not transition of the vision fence to chain link. A chain link enclosure is to be installed in room 119. See Sheet A1

58. Please clarify and provide additional detail of how we are to attach the 2 ½” studs to the metal building structure along the east perimeter wall.
   Answer: Attach studs to floor and to grits. At contractor option 3 ½” studs may be installed.

59. Will there be a public bid opening?
   Answer: Yes

60. Will there be a General Conditions Division 1 provided for this project?
Answer: See attached Division I addendum. The County Contract supersedes any conflict between the attached Division I addendum and the County Contract.

61. There were not revised plumbing drawings provided in the revised set, should we refer to the original plumbing drawings?
   Answer: The plumbing plans and specifications are separate entry in Addendum 2

62. Please provide more information on the configuration of the door hardware and alarm for door 110.
   Answer: If the upper door of the Dutch door configuration is open and someone reaches into the room and attempts to open the lower door an alarm will be actuated.

63. How many beam levels are there on the pallet racks in Room 130?
   Answer: 2, one at 4’-0” and one at 8’-0”

64. High Density Mobile Storage
   a. What type of shelving is to be used on the carriages on the High Density Mobile Storage and are we to provide that?
   Answer: Refer to specifications

65. Division 4
   a. In the specs, CMU-1 is identified as having a 4” x 16” face, however, on the drawings it appears to have an 8” x 16” face with a vertical groove. Please clarify.
   Answer: The North Elevation between grids A & F, the wall is to be a load bearing 8” CMU with a single mortar groove. The west wall between grids 5 & 6 are is also 8”CMU with a single mortar groove The color is to match the existing light colored masonry on the Crime Lab.
   b. On the elevations, exterior CMU is labelled as Single mortar Groove CMU-1 and CMU-2. On 1 & 2/A10, the CMU is identified as Split Face, yet there is no mention of split face anywhere else. Please clarify.
   Answer: There is no split face CMU.
   c. In the Specs, CMU-5 is not identified as Ground Face, yet on the elevations it is labelled as Ground Face. Please clarify.
   Answer: CMU 5 is to match the band in the exist Crime Lab wall. Initially I thought the band was ground face however I believe it is a standard colored unit and is not to be ground face.
   d. On the second elevation from the top, CMU between grids 1 & 5 are identified at the top as CMU-1, yet on the face, to the left of Grid 1, it is labelled as CMU-2. Please clarify.
   Answer: The single mortar groove CMU at grid 1 should be noted as CMU-1.
e. In the Specs, CMU-3 is stated to have 4”, 6” and 8” widths and CMU-4 is stated to have 4”, 8” and 12” widths, yet there is nothing in the architectural nor structural plans that would identify where any sizes other than 8” widths are to be employed. In addition, these labels do not appear anywhere on the prints. If they are both only 8” CMU, then what is the difference between them? Please clarify.
Answer: CMU-3 is to be lightweight. If none of the walls are identified as 4” or 6” width walls then there are none. CMU-4 is to be normal weight CMU and is to be used to construct the vault walls.

f. 2/A5 has a note to the right of Grid D that states “8” CMU WITH #4 RE BAR IN EACH CORE AND EACH CORES FILLED WITH CONCRETE”, yet on S-101, that wall is identified as having reinforcement at 48” OC. Please clarify.
Answer: This is a vault wall the architectural wall call out is to prevail.

g. On A1, the walls around the vaults have two different hash marks with no explanation as to what the difference signifies. There is a similar occurrence in the area of the restrooms, examination room and Mechanical Room Please clarify.
Answer: Walls with double cross hatching or “Xs” whether CMU or GDW are to be constructed to the underside of the deck.

h. On A1 to the left of the intersection of Grids D & 3 there is a wall that is hatched as CMU with a note stating “CONSTRUCT STUD WALL TO UNDERSIDE OF ROOF DECK ABOVE OPENING”. In addition, further down that wall it is labelled “STUD WALL TO UNDERSIDE OF ROOF DECK” that is hatched for CMU. Is this to be a framed wall or a 6” CMU wall? Please clarify.
Answer: On grid 3 from the east wall of 121 to a point just beyond grid D the GDW wall is to be constructed to the underside of the deck. Beyond grid line D a GDW wall is to be constructed from the concrete deck to the underside of the roof deck. See cross section 1/A6. The GDW wall indicated above the ceiling of 106, 111 and 114 is along grid 3.

i. Please provide Top of Footing Elevations.
Answer: Refer to plans

j. The CMU wall between the garage and storage along Grid 5 appears to be 21’-4” tall. Just before Grid E.8 , at the hall, there is a double dashed line extending across the hall. Is this a continuation of that wall above the ceiling in the hall? Are the walls that contain the doors that intersect this wall 8’-8” tall?
Answer: Yes & Yes

k. 1/A8 shows a CMU corbel under the window in the examination room. Is this corbel only under the window, or does it extend the length of the wall in that room? Does it occur in the vestibule also, just under the window or across the entire wall?
Answer: Corbelling is just under the window.

66. Please verify which rooms will require signage. Specification section 10400 indicates only Unisex and Janitor.
Answer: 103 and 109 are Janitor. 104, 116 and 123 Unisex.

67. Is the GC installing card readers or keypads?
Answer: Neither; installation of card readers will be completed by owner

68. Plans state to provide conduit for security. Is security wiring handled directly by Weld County under a separate contract with security company?
Answer: Yes