

Issued: May 2, 2017

RE: **Shawnee Mission School District USD 512: SMSD OPERATIONS FACILITY
6445 Carter Avenue, Merriam, Kansas 66203**

OWNER: SHAWNEE MISSION USD 512
8200 W. 71st Street
Overland Park, Kansas 66204

Plans and Specifications dated April 14, 2017
LA Job No. 1602

Bid Date: May 4, 2017

ADDENDUM NO. 4

This Addendum is hereby made a part of the Contract Documents to the same extent as if it were originally included therein, and shall include written directives. Receipt of this Addendum shall be acknowledged on the Bid Form. This Addendum consists of six (6) – 8 1/2"x11" pages, including this cover letter.

ITEM NO. 1 – GENERAL CLARIFICATION

- 1.1 The Salt / Sand bunker structure shown in details 7 and 8 on Drawing sheet A10 is NOT A PART OF THIS PROJECT AND SHALL NOT BE INCLUDED IN ANY BID PACKAGES. This is a structure that may or may not be constructed in the future (by separate contract), and is only shown to comply with City requirements for approval of materials, size, etc.. Note: See attached revised bid packages 3A and 13A, which shall reinforce this directive.

ITEM NO. 2 – DRAWING CLARIFICATION

- 2.1 Reinforcing at typical concrete sidewalk (RE: 3/A2) shall be 6x6-W2.1xW2.1 WWF, as specifically stated in specification Section 033000, Article 3.14, item A.

ITEM NO. 3 – DRAWING CLARIFICATION

- 3.1 Item no. 11.2 on Addendum No. 2 previously clarified that details shown on Drawing sheets A6 and A10 call out the required typical concrete filled steel bollards. Disregard detail 130 shown on sheet C901. Bollards are to be located at each side of each overhead door opening (exterior face of building only), at each corner of the fueling station (See Alternate 2), and at the front corners of the trash dumpster, shown on Drawing sheet A10.

ITEM NO. 4 – STRUCTURAL CLARIFICATIONS

- 4.1 It is acceptable to use rebar chairs in lieu of rebar bolsters on the slab, as long as chairs are spaced close enough to support the slab mesh within the slab pour as designed, and so as not to allow mesh to lay on the rock base – requiring same to be pulled up during the pour. This is a quality control item and shall be watched during pour to maintain compliance.
- 4.2 Steel Lintels: Provide galvanized steel angle lintels at doors 130D, 133, 134, 140A, and at Window Type "5", all on the west wall of the building. Lintels shall be loose laid, 3 1/2 inch x 4 inch (LLV) x 5/16 inch, and shall extend to provide minimum 4 inch bearing at each end, in masonry veneered exterior walls. Provide as part of bid package 6A.

ITEM NO. 5 – DRAWING CLARIFICATION

- 5.1 Fluid applied membrane air barrier as specified in Section 072726, shall be installed over all exterior sheathing locations, behind masonry veneer, or as detailed.

ITEM NO. 6 – DRAWING CLARIFICATION

- 6.1 In-wall flashing as specified in Section 042000, shall be installed over all steel lintels at exterior doors and windows as noted in item no. 4.2 above. Seal top of flashing against face of sheathing with appropriate tape to leave install watertight.

ITEM NO. 7 – DRAWING CLARIFICATION

7.1 Civil Drawing sheet C901 describes the asphalt mix for paving. Because of apparent confusion with Note 4, insert the following...."Any submitted 50-blow Marshall mix design should also be checked for resistance to stripping during design using AASHTO T 283 to determine if an antistripping agent is needed for the same asphalt concrete chose for the project. The index of retained strength shall exceed 75%.

ITEM NO. 8 – SPECIFICATION CLARIFICATION

- 8.1 Section 133419 – "Metal Building Systems": Article 1.6, item B listing design loads. The collateral loads noted shall be modified to read...."provide a 3 psf load for sprinkler piping, and an additional 3 psf throughout the building, for a total collateral load of 6 psf throughout the building".
- 8.2 Section 133419 – "Metal Building Systems": Article 2.1, item D: Wall panels shall be 26 gauge panels in lieu of 24 gauge noted.

ITEM NO. 9 – ELECTRICAL CLARIFICATIONS

- 9.1 Note 6 on Drawing sheet E2.0 mentions the room to be classified Class 1 Division 2 hazardous location up to 18 inches above the finish floor. Accordingly all devices are called out to be mounted a minimum of 24 inches above finish floor in that room. All conduit coming up from below grade must pass unbroken through the classified area (no boxes, couplings, etc.), in the 18 inches above finish floor.
- 9.2 Note 2 on Drawing sheet E2.1. Remove the patch panels from the scope. Provide cat6 with 6 feet of slack at each end for termination by others.
- 9.3 Drawing sheet E2.0 has a note at the bottom of the Power Plan Notes heading, within a box. The note in the box shall be replaced with the following comment: "All duplex / fourplex receptacles in Warehouse 142, Staging 143, Woodshop 141, Service Department 140, Landscape shop 134, Paint Storage 137, Parts 136, Laundry 131, Staging 132, Staging 144, and Loading 130 shall be mounted at +46 inches above finish floor unless noted or directed otherwise and shall be GFCI type devices.

ITEM NO. 10 – SPECIFICATION CLARIFICATION

10.1 Section 095113 – "Acoustical Panel Ceilings": Article 2.4, item A. Change color of Prelude 15/16 inch exposed T-grid color from Blizzard White to White.

END OF ADDENDUM NO. 4

Submitted by:

Larry Lisbona, Architect
LISBONA ARCHITECTS INC.
P.O. Box 860905
Shawnee, Kansas 66226
913-390-1112
www.lisbonaarch.com

SMSD-OperationsFacilityAddendum4

BID PACKAGE 3 A - CONCRETE

Provide all labor, materials, equipment, tools, supervision, scaffolding, hoisting and other items necessary to complete the CONCRETE work in strict compliance with the Plans and Specifications entitled SMSD Operations Facility prepared by Lisbona Architects Inc., contract documents, Division 01, General Requirements, Division 03, Sections 033000, Division 07, Sections 072100, 079200, Division 31, Section 316329, Division 32, Section 321313, 321373 and other information, including Kaw Valley Engineering Geotechnical Report. Furthermore, the work shall be governed by applicable local codes and AIA Document A232, "General Conditions of the Contract for Construction" dated 2009. All bidders/contractors are responsible for all items included in Section 002413, Bid Packages Scopes of Work.

For clarification purposes, the Concrete work shall specifically include the following, but not necessarily be limited to:

1. All building and site concrete work complete.
2. Include an allowance of \$15,000 for rock excavation.
3. Work includes but is not limited to granular fill, vapor barrier, structural excavation, backfill, drilled pier concrete and rebar, pier caps, footings, walls, patching and grouting, grouting of column bases, slabs on grade, concrete steps, concrete stairs, concrete ramps, and housekeeping pads. Set trench drains, dock pit drains and embeds that are provided by others. Work further includes grouting baseplates and other embeds.
4. Work also includes water stop, expansion joint filler, sawcuts and sealer caulking. Provide weather protection including admixtures, hot water, as needed for cold weather concrete. Provide concrete cooling or ice as needed in hot weather.
5. Furnish and install all concrete paving and curb & gutter, flumes, sidewalks, exterior stoops, light pole bases, dock pit & walls, handicap ramps, bollard setting and fill, flag pole sleeve foundation, concrete approaches, transformer pad, electrical and mechanical pads, dumpster pad, ~~salt sand bunker footings & walls~~, fuel depot concrete, control joints and expansion joints. Including drilling, excavation, formwork, hand rubbing, caulking and grouting. This includes the installation of steel embed plates & dock angles (furnished by others) and anchor bolts (furnished by others), pipe bollards (furnished by others), grouting of base plates, light pole base plates and column base plates, as required. Furnish and install rock drainage course where specified.
6. Excavation and backfill per soils report as it applies to excavation, backfill and granular fill course work. Perform structural excavation and backfill work as necessary to install thickened slabs, slab on grade, ramps, footings, and all other concrete related items.
7. Remove excess spoils to an onsite area designated by CM.
8. Concrete operations for the drilled piers must be completed the same day as the excavation. Coordinate with the drilled pier contractor.
9. Furnish & install all reinforcing steel for this scope of work. Work includes all rebar and wire mesh, accessories, bolsters, chairs, supports, masonry dowels in footings. Work includes the rebar, rebar tying and placing of the drilled pier rebar. The pier driller will assist in the lowering of the cages.
10. This contractor is to forward copies of the concrete strength test results to Structural Steel contractor upon receipt from the testing agency.
11. The excavation contractor will undercut the building pad and place structural fill material below the proposed elevation of the granular base $\pm .10'$. Any work required to prepare the subgrade to receive concrete work beyond that point will be the responsibility of this scope of work, including gravel rock fill, depressed slabs and thickened slabs.
12. This Contractor shall be responsible for fine grading required for installation of all site concrete.
13. This scope includes checking floor for levelness. This information will be documented and given to Construction Manager for review. Provide all corrective measures required to bring all out of tolerance concrete into compliance. Provide all floor leveling, patching, and bush hammering, as required to eliminate high and low spots in concrete floors.

14. Coordinate with the flooring contractors to meet their flooring requirements. Obtain approval of construction joint layouts from Architect prior to installation.
15. Patch/repair all concrete surface defects. Repair defects on all surfaces exposed to view.
16. Work includes all layout and staking required for this scope work. Initial layout of the drilled pier center points to be provided by concrete contractor prior to pier drilling.
17. Work includes dewatering of excavations per specifications, as well as all work necessary to maintain the schedule in the event of rainfall.
18. Furnish and install expansion joints, construction joints, keyways, bonding agents, and isolation joints as indicated and specified (saw cutting of control joints within 12-24 hours is included).
19. Provide sleeves and blockouts for other trades. Fill blockouts with concrete after equipment has been installed. It will be this Contractor's responsibility to protect the underslab utilities, plumbing and electrical during the installation of subgrade rock and placing of the concrete slab-on-grade.
20. Conveying of rock and pumping of concrete will be required to prevent damage to underslab items such as plumbing piping and electrical conduits. This contractor shall include the cost for telebelting rock and pumping concrete in the base bid.
21. Provide and remove upon completion the above grade washout structure and signage.
22. Prevent concrete spillage below concrete pours. Immediately clean up any concrete splatters. This contractor shall establish one area for concrete overage and washing out of concrete trucks. This material shall be hauled off and disposed of offsite by this contractor.
23. Cooperation with the concrete testing agency is required allowing sufficient time to take tests and conduct inspections. All testing services are provided by others.
24. All remedial work associated with bad test results or incorrect layout/elevations will be the responsibility of this contractor.
25. Concrete aprons, sidewalks and all curbs for the public improvements and roads per the requirements of city, county and state.
26. Furnish and install perimeter, foundation wall and under slab insulation.
27. Furnish and install the vapor barrier.
28. Furnish and install all concrete flatwork related caulking including expansion joints and joint against building.
29. Provide & maintain throughout construction dowel caps or other suitable protection for dowels protruding from this work.
30. Furnish and install non-slip treatments, surface hardeners and concrete curing. Curing method must be compatible with flooring finishes, adhesives, and stains.
31. Furnish and apply floor sealer for sealed concrete floors per manufacturer's recommendations and as indicated on the interior finish schedule. This includes all floor prep required by the manufacturer and acceptable to the owner, construction manager and architect prior to installation.
32. Furnish and install temporary barricades for curbs, paving and city approaches.
33. Coordinate with the plumbing, HVAC, fire sprinkler and electrical contractors the final size and location of housekeeping and equipment pads
34. An as-built shop drawing is to be maintained on site. This Contractor is responsible to have the testing agency note on the as-built drawing the date and acceptance of all concrete work as inspections are made. This as-built drawing is to be submitted to the Construction Manager as part of the closeout documents.
35. Excluded from this scope of work:
 - a. Sales tax
 - b. Drilled pier excavation and rebar lowering
 - c. Concrete testing unless retesting is required
 - d. Dock pit excavation
 - e. Masonry reinforcing steel (except embedded masonry dowels)
 - f. Bollard steel material
 - g. Anchor bolt material

BID PACKAGE 13 A - PRE-ENGINEERED METAL BUILDING

Furnish and install all labor, materials, equipment, tools, supervision, scaffolding, hoisting and other items necessary to complete the PRE-ENGINEERED METAL BUILDING work in strict compliance with the Plans and Specifications entitled SMSD Operations Facility prepared by Lisbona Architects Inc., contract documents, Division 01, General Requirements, Division 07, Sections 072100, 076200, 079200, Division 13, Section 133419 and other information, including Kaw Valley Engineering Geotechnical Report. Furthermore, the work shall be governed by applicable local codes and AIA Document A232, "General Conditions of the Contract for Construction" dated 2009. All bidders/contractors are responsible for all items included in Section 002413, Bid Packages Scopes of Work.

For clarification purposes, the Pre-Engineered Metal Building shall specifically include the following, but not necessarily be limited thereto:

1. Furnish and install pre-engineered metal building complete, including but not limited to: all structural shapes, primary and secondary framing, heads & jambs, insulation, priming and finishing of metal surfaces.
2. Furnish and install preformed, pre-painted metal siding and roofing including all accessories including prefinished metal flashing at masonry stone sill.
3. Furnish gutters and downspouts.
4. Furnish and install liner panels.
5. Furnish and install all required miscellaneous framing and curbs as required for roof openings including paint booth intake & exhaust.
6. Furnish and install the canopy at entrances including roof, soffit and end closures.
7. Furnish and install the covered outdoor storage area attached to building including roof, soffit and end closures.
- ~~8. Furnish and install roofing and roof structure for the salt/sand bunker.~~
9. Furnish openings ready for installation of man doors, overhead, sectioned and coiling doors.
10. Provide anchor bolts and miscellaneous steel embed items to jobsite for installation by others.
11. Provide all necessary submittals and shop drawings signed and sealed by a registered professional engineer in the State of Kansas.
12. Provide all hoisting, temporary shores, guys, bracing etc required for erection.
13. Sequence of the work may require multiple move-ins and will not be grounds for an extra.
14. Prior to commencing work, the Contractor shall field verify existing conditions and shall report in writing any conditions that vary from the contract requirements. Commencement of work without written notification to the Construction Manager shall constitute the Contractor's acceptance of existing conditions/work.
15. Provide layout as required to complete the work.
16. Cranes on the jobsite will be required to have capacity/swing/boom charts present at all times. This contractor is required to flag off the area of the boom/counter weight radius. All cranes and operators shall have proper certification copies of which will be given to the Construction Manager prior to any hoisting taking place. Cranes shall be periodically inspected with logs present to the Construction Manager upon request. Contractor shall develop and review their hoisting plan with the Construction Manager prior to commencement of work.
17. Provide all scaffolding, temporary bracing, hoisting, equipment and rigging as required to perform all work.
18. Temporary power will not be provided for welding machines. Coordinate with the electrical contractor to investigate the feasibility of providing a separate temporary service for this need; otherwise provide mobile welding machines as needed.
19. Storage for materials will be on site. Coordinate with the Construction Manager prior to delivery of materials. Receiving, handling, and storage of materials are the responsibilities of this contractor.
20. Provide all cleanup of material and debris associated with this work daily. At the completion of this contractor's work, and prior to finish work starting, this contractor shall power-wash and

wipe down mud, oil, dirt and miscellaneous debris from structural steel, joists, and decking and remove any stickers from steel.

21. Submit copies of welder certification prior to starting erection.
22. Contractor agrees to clean, prime and paint all welded connections to match adjacent steel members.
23. All steel shall be shop prime painted or galvanized as specified.
24. No bolt or weld connections are to be covered before the Owner supplied testing agency has been allowed to inspect and certify connection.
25. Cooperation with the testing agency is required to allow sufficient time to take tests and conduct inspections. All testing services are provided by others.
26. An as-built shop drawing is to be maintained on site. This contractor is responsible to have the testing agency note on the as-built drawing the date and acceptance of all structural steel work as inspections are made. This as-built drawing is to be submitted to the Construction Manager as part of the closeout documents.
27. Contractor shall provide final shop drawings for review and approval within 4 weeks of notice to proceed.
28. All damage caused by cutting, welding, and drilling shall be cleaned, primed and painted to match adjacent steel members.
29. Excluded from this scope of work:
 - a Sales tax