



State of Utah

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Department of Administrative Services

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Executive Director

Division of Facilities Construction and Management

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Director

ADDENDUM NO. 1

Date: May 25, 2011
To: Contractors
From: Brian Bales - Project Manager
Reference: Rooftop Solar Array – Miller Campus
Salt Lake Community College – Sandy, Utah
DFCM Project No. 11018680
Subject: **Addendum No. 1**

Pages	Addendum Cover Sheet	3 pages
	Architect's Addendum No. 1	2 pages
	<u>UL Online Certification Directory</u>	<u>2 pages</u>
	Total	7 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 **SCHEDULE CHANGES:** There are no Project Schedule changes.

1.2 **GENERAL ITEMS:**

1.2.1 Scope - The contractor shall study the project plans and specifications prior to bid to fully understand the scope of work. Prior to bid, it is the contractor's responsibility to understand the details and scope of any subcontracted work and the costs associated with the performance of work by subcontractors.

1.2.2 Risk - The contractor shall identify risks for the project.

- 1.2.3 General Conditions - Prior to bidding this project, the contractor shall review the DFCM General Conditions paying special attention to the following articles.
- a. 4.1.5 Intent and hierarchy
 - b. 4.2.2 Responsibility
 - c. 6 Protection of persons and property
- 1.2.4 Demolition - The contractor is solely responsible to determine the means and methods for demolition. Adequate safety for personnel and property shall be provided. If required, temporary shoring, bracing and protection shall be provided. Due to the scale of the drawings, it is impossible to show the impact of every demolished surface on surrounding surfaces and structures. It is the contractor's responsibility to identify the extent and cost of repair work for surfaces that adjoin and are indicated to remain in place. Those costs shall be included in the contractors bid.
- 1.2.5 Or Equal Products - When the project has been designed with a specified manufacturers product and "or equal" products are allowed, all or equal products shall be equivalent in all characteristics including proprietary operating systems so as to insure a complete functioning system. Products that do not meet these criteria will be considered to be a lower quality or lower cost product and will not be considered. It is the contractor's responsibility to insure prior to bid that all "or equal" products meet the stated criteria and specific project requirements. If required by the contract documents, requests for or equal determination shall be submitted in accordance with the project RFP and bid schedule.
- 1.2.6 Sidewalks - The contractor is cautioned that the sidewalks have a limited load bearing capability. The contractor shall not drive heavy equipment on the sidewalks. Damage to the sidewalks or landscaping shall be repaired by the contractor at no cost to the owner.
- 1.2.7 Disturbance - The contractor shall coordinate activities that create loud abrupt noise with SLCC. Those activities shall be scheduled to minimize disturbance to the occupants. Generally speaking it is expected that those activities shall be conducted before 8 AM or after 5 PM. Examples of those activities are jack hammers, shot pin tools, saw cutting and hammer drilling.
- 1.2.8 Contract Documents - DFCM will provide one set of printed plans and specifications. The contractor will be required to provide additional printed sets as needed for construction.
- 1.2.9 Steel Fabricators - Offsite fabrication of structural steel products and elements shall be performed by the DFCM-approved fabricators who are on the pre-approved structural steel fabricators list as of the date of this RFP. The contractors bid will be considered non responsive should they utilize a structural steel fabricator who has not been pre-approved by DFCM. The fabricators certificate of compliance shall be submitted at the appropriate time. For additional information and clarification please contact the DFCM buildings officials or refer to the building official's link on the DFCM web site.

- 1.2.10 Submittals - The contractor shall review all submittals prior to submitting to the architect and/or engineer for review. Upon satisfactory review by the associated contractor or subcontractor the submittal should be stamped and signed by each tier of supplier and contractor confirming that the submittal is in full compliance with the contract documents.
- 1.2.11 Sales Tax - Sales tax should NOT be included in the contractors bid. The successful contractor will be given the exemption number.
- 1.2.12 Sole Source Suppliers - When sole source suppliers, vendors or contractors are specified by DFCM it is the bidder's responsibility to provide all material, labor and services required by the project documents. The bidder is responsible to insure that the sole source supplier or contractor is providing all necessary products, services and labor for the project scope.
- 1.2.13 See attached Architect's Addendum No. 1 dated May 25, 2011.
- 1.2.14 See attached UL Online Certification Directory.

Addendum 001

project:	DFCM SLCC Solar Project	project no:	11010
date:	2011-05-25	no. pages:	2
owner:	DFCM		
contractor:			
bid date:	2011-06-01	bid time:	4:00 pm

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

General:

Item	Description
1.1	The bid shall be based on a 16 kW solar array.
1.2	Please Contact Sam Martinez (801-706-7785) if a further site visit is required prior to the bid.
1.3	All bids are to be based on running all new conduit for the project.
1.4	The array should have a 3 point adjustable tilt for the two solstice and equinox sun angles. The lower angle does not need to be below 30 degrees from horizontal, the center should be 41 to 45 degrees from horizontal and the upper angle does not need to exceed 60 degrees from horizontal.
1.5	Superior Roofing holds the current warranty and should be consulted for this project. They have also been instructed to provide the same quote to all bidders
1.6	The engineer of record must be Utah PE or SE.

1.7	<p>A line side tap is an acceptable option pending approval of the utility company and AHJ. This should be listed as a separate line item on the bids as a potential cost saving measure.</p>
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Drawings:

Item	Drawing No	Description
1.1	EP 601	The installation of the system, including the point of inteconnection, is to meet all applicable NEC code requirements including NEC 690.64(B). The inter-connection point may change from what is shown on the one-line diagram pending owner/engineer/utility approval.

Specifications:

Item	Spec No	Description
1.1	05 1200	All exterior metal shall be galvanized per specification section 05 1200 2.4A.
1.2	26 3150	The inverter configuration shown on the one-line diagram is meant to be schematic only. The contractor has to option, for example, to use 3 inverters instead of only two due to limitations in various manufacturers inverter configurations and outputs. At this time only manufacturers listed in the specs will be accepted.
1.3	26 3150	The wind speed for this site is 90 MPH only. Please disregard the note referencing 124.27 mph wind in specification section 263150, item 2.2 (C) (5) and (6). The supporting structure shall be under warranty against failure.

Details:

Item	Detail No	Description
1.1	XHEZ C-AJ-1463	Note all penetrations through the concrete wall on the north side of the automotive bay must meet rated penetration requirements, per the attached UL Rated Penetration Detail XHEZ C-AJ-1463.



XHEZ.C-AJ-1463 Through-penetration Firestop Systems

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

Through-penetration Firestop Systems

[See General Information for Through-penetration Firestop Systems](#)

System No. C-AJ-1463

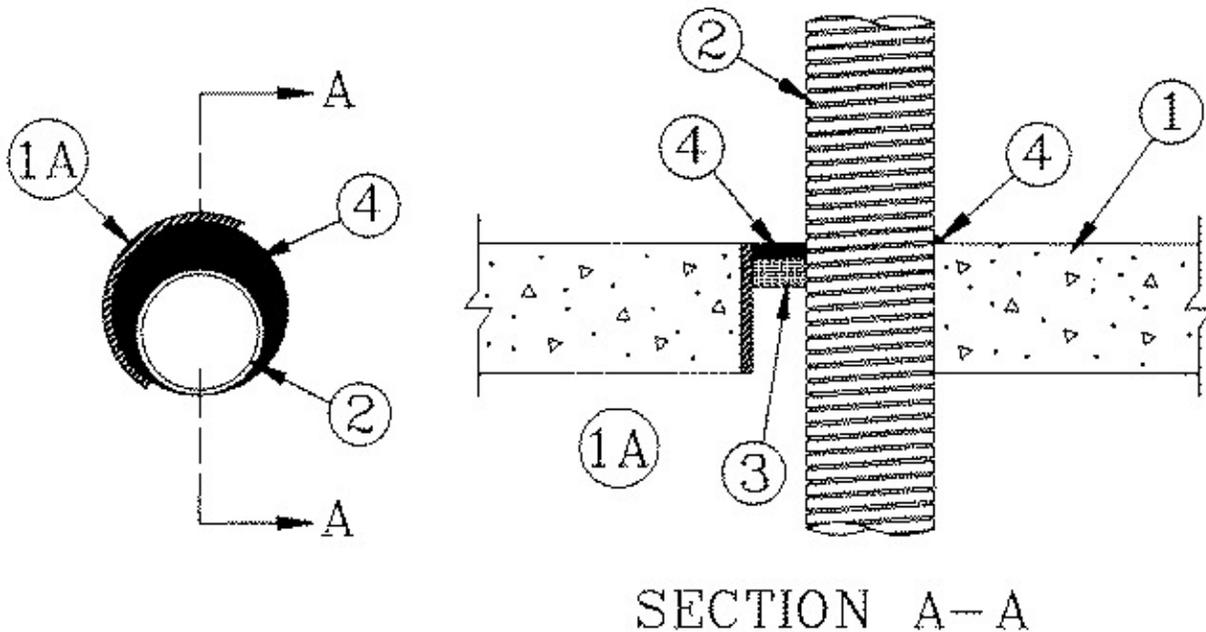
March 27, 2003

F Ratings — 2 and 3 Hr (See Item 2)

T Rating — 0 Hr

L Rating At Ambient — less than 1 CFM per sq ft

L Rating At 400 F — less than 1 CFM per sq ft



1. **Floor or Wall Assembly** — Min 4-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Diam of circular through opening in floor or wall assembly to be 3/4 in. to 1-1/2 in. larger than diam of flexible metal conduit (Item 2) installed in through opening. Max diam of opening is 6 in.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1A. **Steel Sleeve** — (Optional) — Nom 6 in. diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast into concrete floor or wall. Sleeve to be flush with or project max 2 in. from top surface of floor or from both surfaces of wall.

2. **Through Penetrating Product*** — Nom 4 in. diam (or smaller) aluminum **Flexible Metal Conduit#** or nom 3/4 in. diam (or smaller) steel **Flexible Metal Conduit#**. Max one conduit per through opening. Max annular space between conduit and edge of through opening not to exceed 1-1/2 in. Min annular space between conduit and edge of through opening is zero in. (point contact). When aluminum conduit is used, F Rating is 2 Hr. When steel conduit is used, F Rating is 3 hr. Flexible metal conduit to be rigidly supported on both sides of floor or wall assembly.

ALFLEX CORP

3. **Packing Material** — Polyethylene backer rod or min 1 in. thickness of mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed min 1/2 in. from top surface of floor or from both surfaces of wall.

4. **Fill, Void or Cavity Material*—Caulk** — Applied to fill the annular space around the flexible metal conduit. In floors, a min 1/2 in. depth of fill material to be installed flush with top surface of floor. In walls, a min 1/2 in. depth of fill material to be installed flush with wall surface on both sides of wall assembly. When steel sleeve is not used or is used and installed flush with floor or wall surfaces, a min 1/4 in. diam bead of caulk shall be applied to the floor on wall surface where the through penetrant is installed in point contact with the edge of the through opening.

3M COMPANY — CP 25WB+

#Bearing the UL Listing Mark

*Bearing the UL Classification Mark

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