

ADDENDUM NO. 3

Date: **February 16, 2018**
 To: Cornerstone Management Group
 31425 SW Country View Lane Wilsonville, OR 97070
 Attn: Emil Hameed
 From: Steven Eggleston
 Project: Gresham Barlow School District – Powell Valley Elementary School

This Addendum forms a part of the Contract Documents and modifies the original documents for the Gresham Barlow School District – Powell Valley Elementary School – 100% CD (Drawings) & Bid Specifications, dated 1/30/18 as noted below.

It is essential that prospective bidders note the contents of this addendum and that Cornerstone Management Group and AXIS Design Group be made aware that the addendum has been received. Therefore, acknowledge receipt by inserting the number of this addendum in the space provided on in the Addenda Acknowledgement of the bid form.

CHANGES TO GENERAL INFORMATION

A3.0	REFER TO:	Bid Date/Time or Other General Info
	ADD:	Instructions
	CHANGE/DELETE:	Instructions

CHANGES TO PROCUREMENT AND CONTRACTING REQUIREMENTS PROJECT MANUAL

A3.1	REFER TO:	00 01 10; Table of Contents
	ADD:	SPECIFICATIONS 2.20 DIVISION 27 -- COMMUNICATIONS A. 27 05 00 - Common Work Results for Communications B. 27 05 28 - Pathways for Communications Systems C. 27 51 16 - Public Address Systems D. 27 53 13 - Clock Systems
A3.2	REFER TO:	03 35 11; Concrete Floor Finishes
	ADD:	2.02 DENSIFIERS AND HARDENERS A. Liquid Densifier/Hardener: Penetrating chemical compound that reacts with concrete, filling the pores and dustproofing; for application to concrete after set. 1. Products: a. L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc; Manufactures products as part of Polished Concrete System: www.lmcc.com . b. L.M. Scofield Company; Manufactures products as part of Polished Concrete System: www.scofield.com

- c. Lythic; Manufactures products as part of Polished Concrete System: <http://www.lythic.com>
- d. PROSOCO, Inc; Manufactures products as part of Polished Concrete System: www.prosoco.com/consolideck/sle.**
- e. Retro Plate; Retro-Plate 99: www.retroplatesystem.com
 - 1) Performance Criteria:
 - (a) Abrasion Resistance: ASTM C779 - Up to 400% increase in abrasion resistance.
 - (b) Impact Strength: ASTM C805 - Up to 21% increase impact strength.
 - (c) Ultra Violet Light and Water Spray: ASTM G23-81 - No adverse effect to ultra violet and water spray.
 - (d) Reflectivity: Up to 30% increase in reflectivity.
 - 2) Certified Applicators
 - 3) Manufacturer's Regional Representative
- f. SASE Signature Floor System: www.sasecompany.com.
- g. Substitutions: See Section 01 60 00 - Product Requirements.

CHANGE/DELETE/
ADD:

2.03 RELATED MATERIALS:

A. Surface Imperfection Materials.

- 1. Patching Compound:
 - a. ~~Compound composed of 40 percent portland cement, 45 percent limestone, and 15 percent vinyl acetate copolymer, when mixed with dust salvaged from grinding process forms a paste that hardens when surface imperfections are filled.~~
 - b. Repair product cement or resin based that matches the concrete color. Patching material to be demonstrated and approved as part of mock-up.**
 - c. Manufacturer: Match Patch Pro FC or approved equal. Substitutions must be made in accordance with section 01 60 00.**
- 2. Grout Material:
 - a. Clear modified silicate sealant, containing no pore clogging latex, when mixed with dust salvaged from grinding process forms a paste that reacts with calcium hydroxide in concrete that hardens when surface imperfections are filled.
 - b. Manufacturer: Versaflex QuickMender **and Quickmender XO** or approved equal. Substitutions must be **made in accordance with section 01 60 00.**
- 3. Approved manufactures Polished Concrete System surface imperfection materials.
 - a. Substitutions: See Section 01 60 00 - Product Requirements.

ADD:

2.06 POLISHED CONCRETE SYSTEM

- A. Polished Concrete System: Materials, equipment, and procedures designed and furnished by a single manufacturer to produce dense polished concrete of the specified sheen.
 - 1. Acceptable Systems:
 - a. L&M Construction Chemicals, Inc., a subsidiary of Laticrete International, Inc: www.lmcc.com.
 - b. L.M. Scofield Company; SCOFIELD Formula One Ground & Polished Concrete Systems: www.scofield.com.**
 - c. PROSOCO, Inc; Consolideck Polished Concrete System: www.prosoco.com/consolideck/sle.**
 - d. Retro Plate: www.retroplatesystem.com
 - e. SASE Signature Floor System: www.sasecompany.com.
 - f. Substitutions: See Section 01 60 00 - Product Requirements.

CHANGE/DELETE/

ADD:

3.04 TREATING SURFACE IMPERFECTIONS

- A. ~~Mix patching compound and grout material with dust created by grinding operations to match color of adjacent concrete surface.~~
- B. **Mix and apply patching cement or resin based patching compound using local aggregates or colorant to produce repairs without noticeable visual difference from 10' away under present lighting conditions and final construction lighting condition.**
- C. Fill surface imperfections including, but not limited to, holes, surface damage, small and micro cracks, air holes, pop-outs, and voids.
- D. ~~Work compound and treatment until color differences between concrete surface and filled surface imperfections are not reasonably noticeable when viewed from 10 feet away under lighting conditions that will be present after construction.~~

ADD:

3.07 CONCRETE POLISHING

- A. Execute using materials, equipment, and procedures specified by manufacturer, using manufacturer approved installer.
- B. **Honing:**
 - 1. **Use grinding equipment with resin bonded grinding pads.**
 - 2. **Grind concrete in one direction starting with 50 grit pad and make as many sequential passes required to remove scratches, each pass perpendicular to previous pass, up to 400 grit pad reaching maximum refinement with each pass before proceeding to finer grit pads.**
 - 3. **Auto scrub or vacuum floor using squeegee vacuum attachment after each pass.**
- C. Polishing:
 - 1. Use polishing equipment with resin bonded polishing and burnishing pads.
 - 2. Begin polishing in one direction starting with 800 grit pad.
 - 3. Make sequential passes with each pass perpendicular to previous pass.
 - 4. Achieve maximum refinement with each pass before proceeding to finer grit pads.
 - 5. Auto scrub or vacuum floor using squeegee vacuum attachment after each pass.
 - 6. Continue polishing until gloss appearance, as measured according to ASTM E 430, matches approved field mock-ups.

A3.3

REFER TO:

08 06 71; Door Hardware Schedule

ADD:

HW SET: 08

060

EACH TO HAVE:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	CLASSROOM SECURITY	ND75TD SPA XN12-035	626	SCH
2 EA	FSIC CORE	23-030 EV29 T	626	SCH
1 EA	SURFACE CLOSER	4011 TBWMS	689	LCN
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1 EA	WALL STOP	WS406/407CCV	630	IVE
1 EA	GASKETING	188SBK PSA	BK	ZER

A3.4

REFER TO:

27 51 16 - Public Address Systems

ADD:

Public Address Systems was added to the specifications.

A3.5 **REFER TO:** **27 53 13 - Clock Systems**
ADD: Clock Systems was added to the specifications.

CHANGES TO ENTER DISCIPLINE HERE DRAWINGS

A3.6 **REFER TO:** **Sheet #; Name - Description**
CHANGE/DELETE: Sheet C-1.0; COMPOSITE SITE PLAN

CHANGE/DELETE: Sheet C-2.0; GRADING AND EROSION CONTROL PLAN

CHANGE/DELETE: Sheet C-3.0; DRIVELANE LAYOUT AND GRADING PLAN

CHANGE/DELETE: Sheet C-4.0; UTILITY PLAN

CHANGE/DELETE: Sheet C-5.0; GRADNIG AND EROSION CONTROL NOTES AND DETAILS

CHANGE/DELETE: Sheet C-6.0; PLANTER DETAILS

CHANGE/DELETE: Sheet C-7.0; DETAILS

A3.7 **REFER TO:** **Sheet #; Name - Description**
CHANGE/DELETE: Sheet A-102; NEW SITE PLAN

Delete Site Plan Key Note: **16 - (N) LANDSCAPE** pointing to the concrete between the curbs on the drive aisle island located on the south end of the building.

A3.8 **REFER TO:** **Sheet #; Name - Description**
ADD: Sheet A-552; INTERIOR DETAILS
Detail 8/A-552

A3.9 **REFER TO:** **Sheet #; Name - Description**
ADD: Sheet A-621; DOOR SCHEDULE, ROOM FINISH SCHEDULE & INTERIOR FINISH LEGEND

Door Number 060 Office:
HARDWARE GROUP 08.

Door Number 093 (N) Office and Door Number 094 (N) Stoarge: Remark 22
22. DOOR TO BE UNDERCUT ¾" FOR EXHAUST/VENTILATION.

Clarification notes where added to general door schedule notes.
GENERAL DOOR SCHEDULE NOTES:

- DIMENSIONS TO OUTSIDE OF FRAME UNLESS NOTED OTHERWISE.
- SEE FLOOR PLANS FOR DOOR OPENING LOCATIONS.
- REFER TO THE HARDWARE GROUPS FOR HARDWARE RELATED TO DOOR AND FRAME OPENINGS.
- ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE PER CHAPETER 11 AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE PER SECTION 1008.1.9.1. (OSSC).

- THE OPENING FORCE AT DOORS ALONG AN ACCESSIBLE ROUTE SHALL NOT EXCEED 8 1/2 POUNDS-FORCE FOR EXTERIOR DOORS AND 5 POUNDS-FORCE FOR INTERIOR DOORS PER SECTION 1101.2.2.5 (OSSC).
- **SEE DETAIL 1/A-621 FOR TYPICAL DOOR CLEARANCE REQUIREMENTS**
- **ALL GLAZING TO BE TEMPERED GLASS UNLESS NOTED OTHERWISE**
- **EACH PANE OF TEMPERED GLASS SHALL PERMANENTLY IDENTIFIED BY MANUFACTURER. THE IDENTIFICATION SHALL BE ETCHED, SAND BLASTED CERAMIC FIRED, LASER ETCHED, EMBOSSED, OR A TYPE ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED.**

SUBSTITUTIONS

Item #1 **REQUEST: No 1** 26 32 13 – Engine Generators
DETERMINATION: **Approved: See attached Submittal Review**

Contractor to re-submit product during construction as part of the submittal review process.

QUESTION/RESPONSE

Item #1 **QUESTION:** Who will be removing finishes that test positive for hazardous material?
RESPONSE: *The abatement report will be issued as part of final Addendum. Any floor finishes, like VCT that test positive, will be removed by the Owner’s contractor along with any wall base. This will also include removal of carpet if VCT is located underneath. Owner’s contractor will remove VCT wainscot in Hall 052 if it tests positive.*
Hazardous Materials Survey for the PVES project was provided by PBS Engineering and Environmental Inc. See attached report. (PBS)

Item #2 **QUESTION:** A 411 detail 2 note 12 calls for a fan in the ceiling. There is no detail or type of fan and no information on the roof penetration.
RESPONSE: **Mechanical, Plumbing and Electrical work related to Alternate No. 2 where clarified as Design Building items, see addendum no. 2. See attached Detail 8/A-552.**
Who has the roof warranty in place to repair it?
New Built-Up Roof system is being installed under a separate contract by McDonald & Wetle. If alternate is accepted, coordinate with owner on sequence of work. Assume patch and repair of B.U.R. system to add roof penetration along with all other items in attached Detail 8/A-552.
What kind of fan?
Commercial fan appropriate for use. See Design Build response above.
What circuit to add it to?
See Design Build response above.
A 411 detail 2 note 14 calls for supply air in the 2 rooms.
See Design Build response above.
What does this connect to?
See Design Build response above.
What size duct?
See Design Build response above.
Is there a return duct in these rooms?
Remark was added to Door 093 and 094 on Door Schedule:

DOOR TO BE UNDERCUT 3/4" FOR EXHAUST/VENTILATION.

- Item #3** QUESTION: A 414 detail 6 needs more information on the bracket as it attaches to the below grade part of the detail. Welding the plates and additional information on the below slab products.
- RESPONSE: **As shown on the detail, the four-sided steel post base extends into the concrete 18" and is cast in place. All welding in the detail has been specified as a 1/4" fillet all around, typical.**
- Item #4** QUESTION: The spec calls for a Fireman control panel and also a remote annunciator panel. Kohler makes a remote annunciator panel with ATS annunciation(4 -ATS's) and a remote start switch that I use as the Fireman's control panel. Do you think that you need **both** a standard remote annunciator panel in addition to the ATS w/ ATS annunciation + start switch (firemans control panel) Or will the annunciator w/ 4 ATS + start switch work for both requirements?
- RESPONSE: **The district fire alarm specification is for a Honeywell system. We want to keep with that. We should have a Honeywell Fire Alarm Control Panel in the main electrical room, a Honeywell Fire Alarm Annunciator Panel in the entry lobby and a Generator Manufacturer brand generator annunciator panel in a location that is acceptable to the district. We would recommend the generator annunciator panel be located some place where somebody will see it, like a janitor closet that is commonly accessed or someplace similar.**
- Item #5** QUESTION: C-1.0 appears to show concrete between the curbs on the drive aisle island while A-102 has note 16 which calls for landscape. The landscape drawings don't have any new landscaping in this area. Is this intended to be concrete?
- RESPONSE: **Graphically A-102 shows a concrete hatch, but the site plan key note reference 16 which identifies it as new landscaping is incorrect. Key note 16 in this location will be deleted.**
- Item #6** QUESTION: Civil sheet C-1.0 doesn't match the site layout provided on A-102 in Addendum #2. Please confirm the layout on A-102 is the most current design to be followed.
- RESPONSE: **Site layout A-102 issued in Addendum No. 2 is the most correct. C-1.0 issued as part of Addendum No. 3 along with the other civil sheets clarifies the changes issued as part of Addendum No. 2.**
- Item #7** QUESTION: Addenda # 2 – Concrete Polishing specification has all approved Joint Fillers crossed out. Is this intent to allow for an open specification for joint fillers?
- RESPONSE: **Joint filler crossed out is Addendum No. 2 in Section 3.07 Part D.3 was relocated to Section 2.03 Part B for clarification. Substitutions post Bid are allowed, but might be rejected. A proposed filler approved by an accepted manufactures polished concrete systems will probably be approved. Also there is further clarification of Surface Imperfection Materials in Addendum No. 3.**

ATTACHMENTS:

REFERENCE NO.	DATED	DESCRIPTION
A3.2	January 30, 2018	03 35 11; Concrete Floor Finishes
A3.4	February 16, 2018	27 51 16; Public Address Systems
A3.5	February 16, 2018	27 53 13; Clock Systems
A3.6	January 30, 2018	Sheet C-1.0, C-2.0, C-3.0, C-4.0, C-5.0, C-6.0, C-7.0
A3.8	February 16, 2018	Detail 8/A-552

Substitutions #1	February 16, 2018	Substitution Request No 1 - 26 32 13
Q/R Item #1	February 2018	Powell Valley ES Hazardous Materials Survey Report

DISTRIBUTION:

TO	COMPANY	EMAIL
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Pre-qualified Contractors	Varies	Varies