

ADDENDUM NO. 3
TO
CONSTRUCTION OF TECHNOLOGY TRAINING CENTER
NEWPORT, ARKANSAS
M-N 20-038

October 18, 2021

The following revision shall be made to the plans and specifications and become a part thereof:

1. The cord reel shown on the electrical plan shall be equal to Reel Craft Model L 70075 123 7Q, quad box, straight blade plugs, 75'.
2. The Halfen Arched Lintel shall be galvanized. The submittal shall be stamped by a registered professional engineer.
3. The contractor will be responsible for obtaining a building permit from the City of Newport for the construction of the building. The permit will be issued by the City at no charge to the contractor.
4. The legend on sheet L2.0 and L2.0.1 has been corrected. The corrected legend for these sheets is attached.
5. Under the Base Bid the contractor shall remove the existing concrete alley as shown on Sheet C101 and install a new concrete alley in accordance with the Alley Section shown on sheet C106 of the plans. If Deductive Alternate No. 6 is taken the existing concrete alley will remain and all new concrete will butt up against and tie into the existing concrete alley.
6. The following is to clarify the Grind and Seal Concrete finish for the exterior and interior concrete. The Grind and Seal Concrete specification Section 03 35 43 in the specifications is for the exterior concrete. This section is attached.

The interior concrete shall have a Grind and Seal finish in accordance with the Finish Note #4 on Sheet A600. The interior concrete will be ground in accordance with the finish note. Once grinding operation is complete, a stain will be applied to the concrete and then an Epoxy Resin Sealer. A level three finish shall be achieved.

7. The thru-wall flashing shall be membrane flashing such as 40-mil EPDM flashing or 40-mil self-adhering composite rubberized asphalt flashing.
8. Roofing system. Provide additional slope to achieve 1/8" per foot by means of tapered insulation in lieu of 1/4" per foot listed in the Specifications. The minimum thickness of insulation shall be 1".
9. The minimum thickness of insulation at roof drains and scuppers shall be 1".

(End of Addendum)

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LEGEND



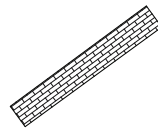
PATHLIGHT



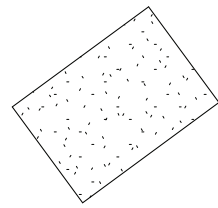
STREETLIGHT



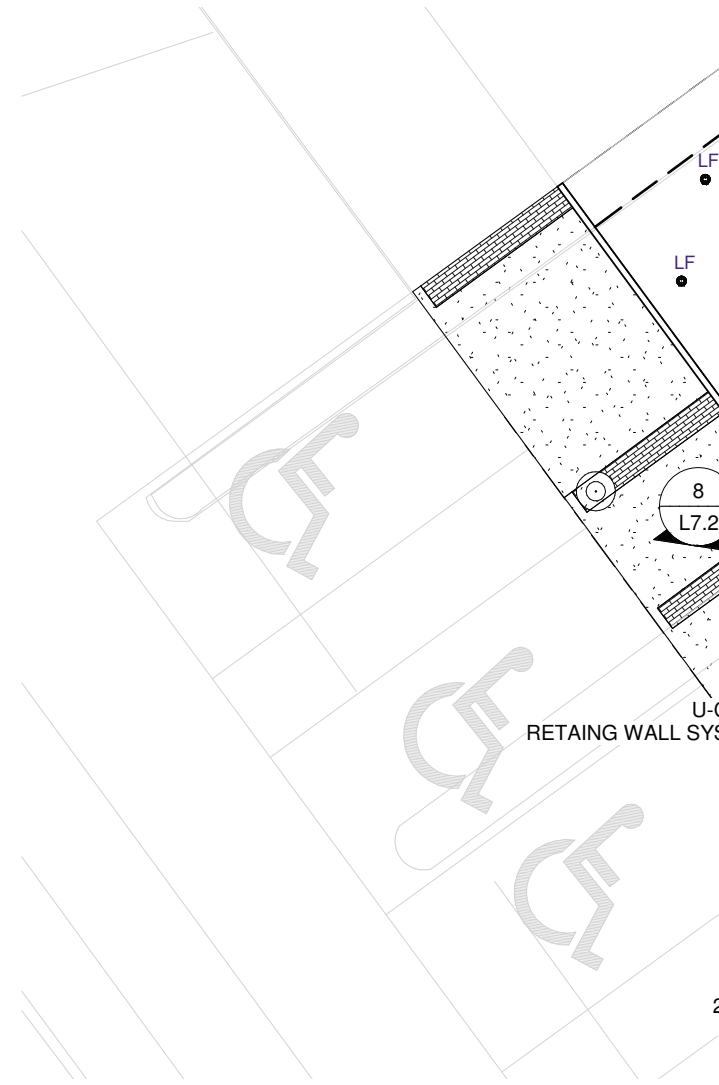
GRADE MOUNTED
FLOOD/SPOTLIGHT



16" WIDE PAVER BAND/SURFACE



GRIND AND SEAL CONCRETE
SURFACE



SECTION 03 35 43
EXTERIOR GRIND AND SEAL CONCRETE

PART 1 - GENERAL

- 1.1 SUMMARY: DEEP GRIND COLORED CONCRETE WORK, COMPLETE. WORK INCLUDES MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR GRINDING & SEALING OF FLOORS.**
- 1.2 RELATED WORK SPECIFIED IN OTHER SECTIONS:**
- A. Cast-In-Place Concrete; Section 03 30 00.
- 1.3 SUBMITTALS: COMPLY WITH THE REQUIREMENTS OF DIVISION ONE.**
- A. Product Data: Submit product information, specifications, and maintenance information. Submit product information on equipment to be used.
 - B. Samples: Submit manufacturer's full color palette for concrete coloring material for color selections by Architect.
 - C. Letter of Certification from all Machinery and Chemical Manufacturers.
- 1.4 PROJECT MOCK-UP:**
- A. Prior to installation of grind and sealed concrete finish system, provide minimum 100 square foot mock-up at project. Architect shall approve workmanship of mock-up. Retain mock-up as standard for judging completed work. Mock-up shall not be a part of finished work. Mock up is to be completed upon initial deployment, and before any work is completed.
- 1.5 QUALITY ASSURANCE:**
- A. Provide a current letter of certification by densifier and sealer manufacturer that states contractor is a current qualified installer.
- 1.6 DELIVERY AND STORAGE:**
- A. Deliver materials in approved containers clearly marked and identified with manufacturer's name and description of contents.
 - B. Store materials inside and under cover; keep dry and protected from weather, direct sunlight, surface contamination, aging, corrosion, damaging temperatures, damage from construction traffic and other causes.
- 1.7 ENVIRONMENTAL REQUIREMENTS: STORE MATERIALS INDOORS, PROTECTED FROM DAMAGE, MOISTURE, DIRECT SUNLIGHT, AND TEMPERATURE BELOW 50 DEGREES F OR ABOVE 80 DEGREES F.**
- 1.8 WARRANTY: 10-YEAR WARRANTY SIGNED BY CHEMICAL MANUFACTURER AND POLISHED CONCRETE CONTRACTOR FOR FAILURE AND REPLACEMENT OF MATERIALS AND WORKMANSHIP.**
- 1.9 COORDINATION: COORDINATE WORK WITH TRADES PROVIDING CONCRETE FINISH WORK. COORDINATE PRE-CONSTRUCTION MEETING WITH GENERAL CONTRACTOR, CONCRETE FINISHING CONTRACTOR AND POLISHED CONTRACTOR PRIOR TO THE FIRST POUR.**

PART 2 - PRODUCTS

2.1 PRODUCT SUPPLIERS:

- A. Integral Concrete Colorant: ASTM C 979, factory-measured powdered mix in self-dissolving packaging, consisting of non-fading finely-ground synthetic mineral-oxide coloring pigments and water reducing wetting agent.
 - 1. Butterfield Color®, 625 West Illinois Avenue, Aurora, Illinois 60506, Telephone: 1-800-282-3388, Fax: 630-906-1982, www.butterfieldcolor.com
 - 2. Product Uni-Max Integral Colorant
 - 3. Color as selected by owner.
- B. Densifier, Hardener, Sealer: Retroplate 99 or approved equivalent.
- C. Joint filler: see Section 033000.
- D. Oil Repellent Sealer: RetroPel or approved equivalent.

ITT TRAINING CENTER for the
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- E. Stain protector: RetroGuard or Curecrete shield.
 - F. Cleaning solution: CreteClean Plus
 - G. Sealant: Silane/Siloxane Sealer: Siloxa-Tek 8500.
 - H. Substitutions permitted under the requirements of Division One.
- 2.2 MACHINERY REQUIREMENTS:** HTC SYSTEMS 800HD OR EQUIVALENT SIZE MACHINERY MADE FOR GRINDING CONCRETE.
- 2.3 CONCRETE SLABS:** SPECIFIED IN SECTION 03 30 00. ROUGHEN SLAB SURFACE WITH 100 GRIT DIAMOND PROFILE ABRASIVE.
- 2.4 ADMIXTURES:** COMPLY WITH SECTION 033000. DO NOT USE CALCIUM CHLORIDE ADMIXTURES ON ANY INTEGRALLY COLORED CONCRETE.
- 2.5 RELATED: SEE 03 30 00 FOR EXPANSION JOINT MATERIAL ETC.**
- A. Bonding agent: ASTM C 1059, Type II.
- 2.6 CONCRETE SEALANT:**
- A. Clear, solvent based Membrane forming Curing and Sealing Compound, ASTM C 309, non-yellowing, VOC-compliant, high gloss, clear liquid. Butterfield Color Clear Guard Cure and Seal.
 - B. Mixes for Integral Concrete: Minimum Cement Content: Five sacks of cement per yard. Maximum slump 4" inches. Add integral concrete colorant according to manufacturer's instructions. Maintain mix characteristics for all concrete required to have matching finish.

PART 3 - EXECUTION

- 3.2 EXAMINATION:**
- A. After concrete curing period (minimum 14 days) has elapsed, surface must be clean and dry, physical sound and free of contamination.
 - B. Do not proceed with work until unsatisfactory conditions have been corrected.
- 3.3 PREPARATION:** AS REQUIRED BY MANUFACTURER FOR INSTALLATION METHOD.
- 3.4 INSTALLATION: COMPLY WITH ALL FLOOR SYSTEM MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS REGARDING PREPARATION AND MIXING OF MATERIALS AND APPLICATION OF EACH COMPONENT OF FLOORING SYSTEM.**
- A. Main Grind is to be started not less than 14 days after the pour.
 1. Use 100 grit diamond segments bonded in metallic matrix. The diamonds are to be chosen to achieve a "deep grind" affect where exposed rock size is average of a nickel or larger.
 2. Use minimum 100 or 200, grit diamond dust embed in plastic or resin matrix to polished finish to match level approved by Architect.
 3. Apply hardener and densifier according to manufacturer's instructions.
 4. Apply sealant after the hardener/densifier cure time.
- 3.5 CURING AND SEALING:**
- A. Apply Silane/Siloxane Sealer according to sealant manufacturer's instructions.
 - B. Protect concrete from prematurely drying and excessive cold or hot temperatures.
 - C. Cure Concrete according to manufacturer's instructions.
 - D. Apply curing and sealing compound by sprayer or short nap roller according to manufacturer's instructions. After initial application is dry and tack free, apply a second coat.
- 3.6 CLEAN-UP:** CLEAN ADJACENT MATERIALS AND SURFACES, AND WORK AREA OF FOREIGN MATERIALS RESULTING FROM WORK OF THIS SECTION. REMOVE UNUSED MATERIALS AND DISPOSE OF OFFSITE.

END OF SECTION