

**LONG BEACH COMMUNITY COLLEGE DISTRICT
CONTRACTS MANAGEMENT DEPARTMENT
4901 EAST CARSON STREET
LONG BEACH, CA 90808
Ph. (562) 938-4947 Fax: (562) 938-4544**

**BID C1894C BUILDING O2 WAREHOUSE TENANT IMPROVEMENTS PROJECT
AT THE
LIBERAL ARTS CAMPUS**

ADDENDUM NO. 1

April 2, 2018

This Addendum forms a part of the Contract Documents and modifies the original bid documents. Acknowledge receipt of the Addendum on Section 1.2 of the Bid Proposal. Failure to do so may result in the bid being deemed non-responsive.

Note: It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

ADDENDUM NO. 1 CONTENTS

- I. CHANGES TO NOTICE CALLING FOR BIDS**
- II. CHANGES TO DRAWINGS**
- III. ATTACHMENTS**

I. CHANGES TO NOTICE CALLING FOR BIDS

1. The Latest Time/Date for Submission of Bid Proposals is hereby changed from April 5 to **April 26, 2018.**
2. Item #11 Pre-Bid Inquiries – The date for submission of Pre-Bid Inquiries is hereby changed from March 27, 2018 to **April 11, 2018.**

II. CHANGES TO DRAWINGS

1. Drawing A101 – Construction Key Note BN003 is hereby removed and replaced as follows:

*For all floor areas highlighted as BN 003 – all floor areas to be surface prepped and sealed with Epoxy Coating per the following procedure.
Once existing VCT is removed, floor to be detergent steam cleaned to meet ASTM D 4256 to remove oils and grease from existing concrete floor.
Floor to be Medium Bead Blast and coated with two coats of SealKrete Performance Epoxy Coating non-slip finish, or District approved equal. See attached product cut sheet as basis of design.*

*Each coat to achieve a minimum of 16 mil DFT per coat. Gray coloring to be applied on final coat along with broadcast sand for non-slip finish.
District to approve 2' x 2' mock-up for color and appearance for approval, prior to any coatings being applied.*

2. Drawing A101 – The following Key Notes are hereby added as follows:

KEY NOTE BN 024 – INSTALL 16' HIGH CHAIN LINK FENCE FROM WALL TO WALL, INSTALL 16' HIGH DIVIDING CHAINLINK FENCE BETWEEN MIDDLE OF FENCED AREA.

KEY NOTE BN 025 – INSTALL (2) 6' WIDE X 8' TALL CHAINLINK ROLLING GATES, SEE DETAIL 7/A101.

III. ATTACHMENTS

- A101 Drawing
- Seal Krete High Performance Technical Data Sheet

*****END OF ADDENDUM NO. 1*****

LONG BEACH COMMUNITY COLLEGE DISTRICT



Alan Moloney, Deputy Director
Purchasing & Contracts



Date



PERFORMANCE Epoxy

PRODUCT DESCRIPTION

SEAL-KRETE® PERFORMANCE Epoxy is an epoxy-based coating system that provides outstanding customer value. PERFORMANCE Epoxy blends durability with outstanding adhesion properties, allowing it to be used on a variety of substrates including concrete, tile, and laminates. Its great value, slower dry time, and low odor formulation makes PERFORMANCE Epoxy ideal for larger indoor application areas.

FEATURES AND BENEFITS:

- Versatile – coatings, broadcast floors, chip floors & slurry/broadcast
- User friendly
- Low odor – 100% solids
- Tenacious adhesion
- Chemical resistant
- Compliant nationwide with near zero VOC
- Available in:
 - 322767 Seal-Krete PERFORMANCE Epoxy Clear 3 gal kit
 - 322768 Seal-Krete PERFORMANCE Epoxy Slate Gray 3 gal kit
 - 322769 Seal-Krete PERFORMANCE Epoxy Armor Gray 3 gal kit
 - 322770 Seal-Krete PERFORMANCE Epoxy Sahara Desert 3 gal kit
 - 322771 Seal-Krete PERFORMANCE Epoxy Sand 3 gal kit

TYPICAL USES:

- Laboratories
- School hallways
- Hospitals
- Animal care facilities
- Cafeterias
- Retail stores
- Manufacturing plants
- Pharmaceutical facilities
- Research facilities
- Shower and locker rooms
- Detention facilities

Important: Read all directions thoroughly. Recommended: Wear gloves, safety glasses and protective clothing or apron.

SURFACE PREP*

New concrete should be allowed to cure for a minimum of 28 days. The concrete must be structurally sound, dry, and free of grease, oils, coatings, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Rising moisture vapor emission rate must not exceed 3 lbs per 1000 sq. ft. over a 24 hours period as measured by calcium chloride test method ASTM F-1869. The preferred method of surface preparation is abrasive blasting or scarification using diamond heads to achieve a final 80–120 grit finish, reference Profile SP-2 ICRI Technical Guideline No. 03732. If patching is required, use SEAL-KRETE Fast Cure High Strength Concrete Repair.

APPLICATION

MIXING INSTRUCTIONS: Combine two parts by volume of Part A with one part by volume of Part B and thoroughly mix using a low speed drill with mixing attachment for 3 minutes. Mix only the amount of material that can be poured and applied immediately during the pot life (approximately 30–45 minutes, depending on air/surface temperatures). Do not aerate the mix.

SEAL-KRETE PERFORMANCE Epoxy can be applied using a notched squeegee or short nap lint free mohair roller.

Refer to Application Guide or visit hp.seal-krete.com for detailed application instructions.

CLEAN-UP, STORAGE AND DISPOSAL

CLEAN-UP: Clean tools and application equipment immediately after use with an active solvent like xylene. Clean spills or drips while still wet with solvent. Dried SEAL-KRETE PERFORMANCE Epoxy will require mechanical abrasion for removal.

HANDLING: Irritating to eyes, skin and mucus membranes. Do not breathe mixed product vapors or dusts. Provide adequate ventilation. May cause sensitization by prolonged skin contact and/or inhalation.

KEEP FROM FREEZING: Store in a cool, well ventilated area above freezing.

DISPOSAL: Waste disposal should be in accordance with existing federal, state and local environmental control laws.

LIMITATIONS

Do not aerate during mixing. Apply when temperature is 50°–90°F. Do not apply if water or ice is present. Lower temperatures will slow cure time. Do not store SEAL-KRETE PERFORMANCE Epoxy at temperatures below 50°F or above 95°F. Cure new concrete 28 days before application. Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab. Do not apply SEAL-KRETE PERFORMANCE Epoxy if the floor is subject to moisture vapor drive or hydrostatic pressure. SEAL-KRETE PERFORMANCE Epoxy will yellow upon prolonged exposure to sunlight or high intensity artificial lights.

MAINTENANCE AND CARE

SEAL-KRETE Industrial Flooring Systems are monolithic, making them easier to clean because dirt and contaminants remain on the surface. For maintenance / care recommendations, refer to application guide or visit hp.seal-krete.com.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin. If splashed in the eyes remove contact lenses if worn. Flush eyes with clean water for 15 min. If skin or eye irritation persists, seek medical attention. If swallowed, DO NOT induce vomiting. Take immediately to hospital or physician.

* Sanding or removing paint containing lead may be hazardous. For information contact the National Lead Information Center at 1-800-424-LEAD or www.epa.gov/lead.

INCIDENTAL FOOD CONTACT

Approval procedures for the use of paints and coatings in official establishments operating under USDA (United States Department of Agriculture) FSIS (Food Safety and Inspection Service) guidelines for locations subject to incidental food contact have undergone substantial changes over the past few years. Until August 11, 1994, paint and coatings manufacturers were required by USDA to submit product samples, formulation data and raw material information for official approval and issue of a USDA certification letter before a product could be used in those facilities. After August 11, 1994, that procedure was replaced on the FSIS Directive 11,000.4 requiring manufacturers to write their own letters for each specific product stating that the paint or coating meets the required performance.

In keeping with this Directive, we certify that Rust-Oleum Seal-Krete® HP Performance Epoxy as manufactured by Rust-Oleum Corporation is safe for locations subject for incidental food contact.



Addendum No. 1
Construction Key Note - BN003
Product Data Sheet



PERFORMANCE Epoxy

MATERIAL PROPERTIES AT 75°F

Mixed VOC Content	< 10 g/L*
Mix Ratio (by volume)	2:1
Tack Free Time	4-6 hours
Recoat Time (min/max)	12 hrs. / 24 hrs.
Light Foot Traffic	12 hours
Vehicular Traffic (hours)	72 hours
ASTM D-570 – Water Absorption (24 hrs.)	< 0.5%
ASTM D-635 – Flammability	Self-extinguishing
ASTM D-638 – Tensile Strength psi	4,500-5,200 psi
ASTM D-638 – Tensile Elongation %	20%-30%
ASTM D-695 – Compressive Strength:	
@ 24 hours	7,500
@ 7 days	9,800
ASTM C-722 – Monolithic Surfacing	Pass
ASTM D-2794 – Impact Resistance	Pass
ASTM D-4060 – Abrasion Resistance (CS-17)	36 mg
ASTM D-4366 – König Hardness	120
ASTM D-4541 – Adhesion Strength	> 600 psi

*EPA Method 24 – Floor Category

USDA and FDA certified food safe for incidental food contact.

CHEMICAL RESISTANCE

Acetic Acid	Y	Methylene Chloride	N
Acetone	N	Mineral Spirits	S
Ammonia 30%	Y	Motor Oil	Y
Ammonium Hydroxide 30%	Y	Mustard	N
Animal Urine	S	Nitric Acid 20%	S
Antifreeze	Y	Nitric Acid 40%	N
Benzyl Alcohol	S	Orange Juice	Y
Brake Fluid	Y	Phosphoric Acid 10%	Y
Calcium Hypochlorite (Chlorine)	Y	Phosphoric Acid 30%	S
Chromic Acid 10%	Y	Phosphoric Acid 50%	S
Citric Acid 10%	Y	PM Solvent	Y
Clorox	Y	Silver Nitrate 20%	Y
Ethyl Acetate	N	Skydrol	S
Gasoline	Y	Sodium Hydroxide 50% (Caustic Soda)	Y
Glycol Ether	N	Sodium Hypochlorite 15% (Bleach)	Y
Hydraulic Fluids	N	Sodium Hypochlorite 50% (Bleach)	N
Hydrochloric Acid 35%	Y	Sulfuric Acid 10% (Battery Acid)	Y
Hydrofluoric Acid 40%	N	Sulfuric Acid 50% (Battery Acid)	Y
Hydrogen Peroxide 30%	S	Tolulene	N
Iodine 2%	Y	Trichloroethylene (1,1,1)	S
MEK	N	Trichloroethylene	N
Methanol	N	Windshield Wiper Fluid	Y
Methyl Cellosolve	N	Xylene	S

Key: Y = RESISTANT S = SPLASH & SPILL N = NOT RECOMMENDED

APPLICATION AND COVERAGE GUIDE

Steps	System Type					Coverage		
	Solid Color	Sparse Flake	Double Flake	Single Quartz	Double Quartz	Squeegee Size	Sq. Ft./ Gal	Mils
Primer Coat Clear or Tinted	√ Tinted	√ Tinted	√ Clear	√ Tinted	√ Clear	1/8"	100 to 150	10 - 16
Layer 1 Clear or Tinted	√ Tinted	√ Tinted	√ Clear	√ Tinted	√ Clear	1/8"	100 to 150	10 - 16
Broadcast (lbs./sq ft)	—	Vinyl Chip 0.05	Vinyl Chip 0.15	Quartz .50	Quartz .50	—	—	—
Layer 2 Clear	—	—	√	—	√	1/8"	100 to 150	10 - 16
Broadcast (lbs./sq ft)	—	—	Vinyl Chip 0.15	—	Quartz .50	—	—	—
Grout Coat Clear	—	√	√	√	√	1/8"*	100 to 150	10 - 16
Seal Coat Clear	√	√	√	√	√	flat*	200	8.0

Coverage rates are approximate and for estimating purposes only. Surface temperature, porosity, texture and thickness will determine actual material requirements.

*A larger notched squeegee can be used for a smoother surface.

WARRANTY: Seller makes no warranty, either expressed or implied, concerning this product, its quality, performance, merchantability, or fitness for a particular purpose other than expressly designated warranty of this label. Buyer assumes all risk of use and handling of this material.

TECHNICAL SUPPORT: For more information on surface prep or application guidelines, or to obtain a Material Safety Data Sheet, call 1-800-323-7357, M-F (8:00 am-5:00 pm EST) or visit our website at hp.seal-krete.com.

Country of Origin: U.S.A.

1

Addendum No. 1
Construction Key Note - BN003
Product Data Sheet



11 Hawthorn Pkwy., Vernon Hills, IL 60061
800-323-3584 rustoleum.com/seal-krete

HOW TO TREAT CONCRETE™

hp.seal-krete.com

CONSULTANT:

PROJECT NAME:

LIBERAL ART CAMPUS
BUILDING 0-2 MAINTENANCE TI
 Conant Street
 Long Beach, California 90808

CLIENT:

LONG BEACH
 CITY COLLEGE DISTRICT
 4901 EAST CARSON STREET
 LONG BEACH, CALIFORNIA 90808

No. Rev. Date Description

3/30/2018 Addendum No. 1

JOB NO: 17012

DATE: 0X/0X/2017

DRAWN:

CHECK:

ARCHITECT:

ENGINEER:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

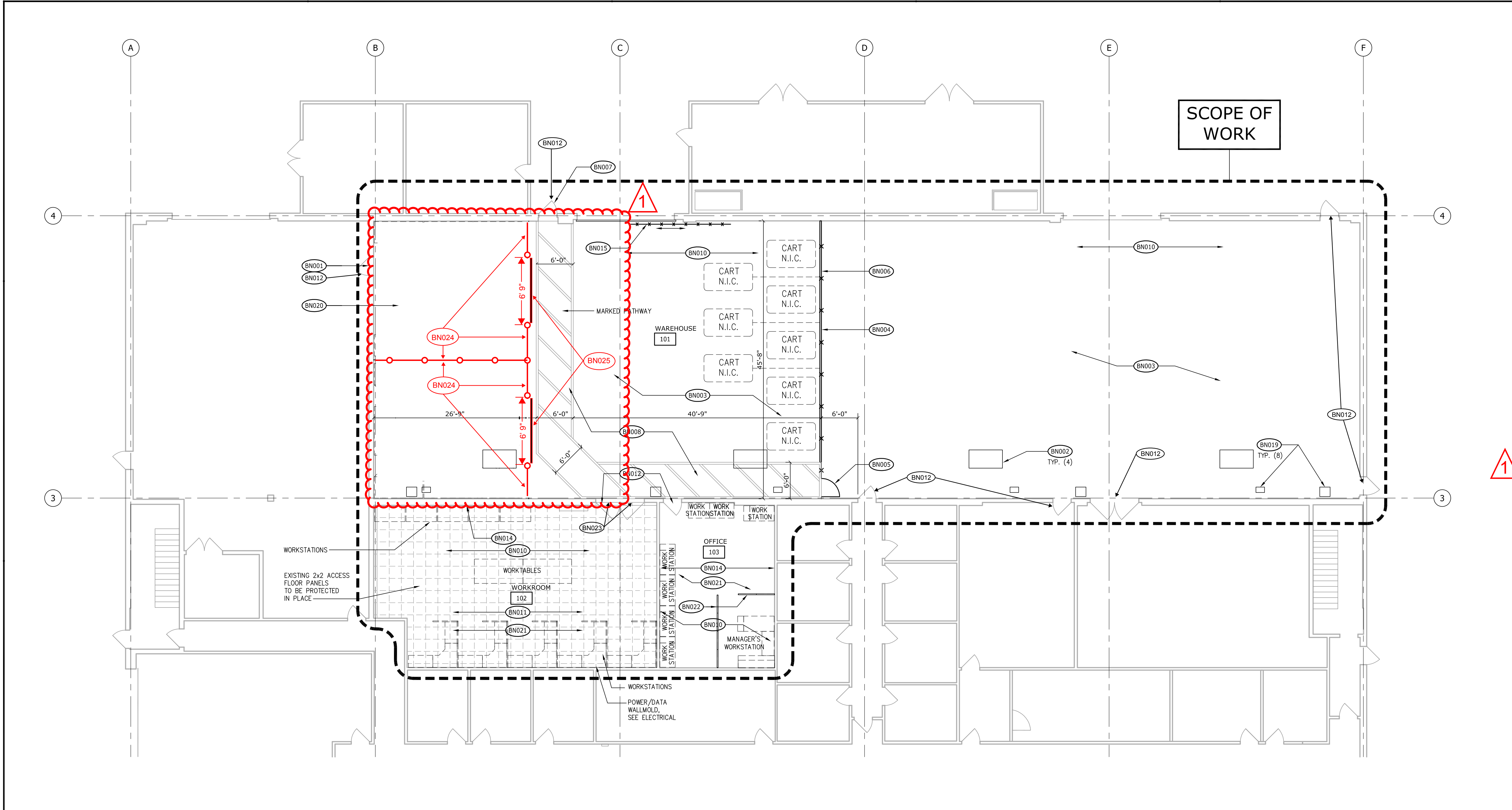
ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:

ARCHITECT:



- BN001 DOOR TO BE PERMANENTLY CLOSED. REMOVE LEVER HARDWARE AND PROVIDE DEADBOLT. PROVIDE 18 GA. STL. PLATE OVER DOOR VISION PANEL.
- BN002 FILL EXISTING PIT WITH SAND AND COMPACT. POOR 6" CONCRETE SLAB. DOWEL INTO EXISTING SLAB. SEE DETAIL 1/A101.
- BN003 SANDBLAST, PATCH CONC. FLOOR AND PREPARE SURFACE FOR NEW SEALER.
- BN004 16'-0" HIGH CHAIN LINK FENCE. SEE DETAIL 4/A101.
- BN005 7'-0" WIDE x 7'-0" HIGH CHAIN LINK GATE W/ PANIC HARDWARE. SEE DETAIL 2/A101.
- BN006 INSTALL 8" CONTINUOUS 16 GAUGE METAL PLATE ALONG CHAIN LINK FENCE 18" FROM FLOOR FOR MOUNTING CONDUIT FOR CART CHARGING.
- BN007 PROVIDE NEW PAINTED H.M. DOOR W/ OMNI-LOCK. REINSTALL EXISTING HARDWARE.
- BN008 PROVIDE WARNING PATH WALKWAY. SEE DETAIL 3/A101.
- BN009 NOT USED.
- BN010 PATCH, REPAIR AND PAINT ALL INTERIOR EXISTING WALLS IN WAREHOUSE, WORKROOM, AND OFFICE. REPLACE DAMAGED/MISSING WALL BASE AS REQUIRED TO PROVIDE A COMPLETE FINISHED LOOK. WALL BASE TO MATCH EXISTING. WAREHOUSE INTERIOR PAINT TO BE SEMI-GLOSS.
- BN011 PROVIDE NEW 2x2 ACCESS FLOOR TILE PANELS WHERE MISSING FROM EXISTING FLOOR. SEE SPEC. FOR TYPE. FLOORING FINISH TO MATCH EXISTING.
- BN012 PAINT EXISTING DOORS AND FRAMES WHERE NOTED.
- BN013 NOT USED.
- BN014 SURFACE MOUNTED WIREMOLD RACEWAY PER ELEC.
- BN015 INSTALL 7'-0" HIGH CHAINLINK ROLLING GATE ACROSS EXISTING OPENING. SEE DETAIL 10/A101.
- BN016 NOT USED.
- BN017 NOT USED.
- BN018 NOT USED.
- BN019 INFILL VAULTS AND FLOOR DRAINS WITH CONCRETE. FLUSH WITH ADJACENT CONCRETE SLAB.
- BN020 REPAIR LOOSE BATT INSULATION PANELS AT CEILING AREA.
- BN021 REPLACE ANY DAMAGED OR MISSING CEILING TILES TO MATCH EXISTING TILES.
- BN022 CONTRACTOR TO INSTALL A 6" METAL STUD PARTITION WALL WITH 8" GYP. BD. ON ALL SIDES. WALL TO EXTEND 6" MIN. ABOVE CEILING LINE (CONTRACTOR TO MODIFY CEILING AND REPAIR AS REQUIRED TO EXTEND WALL PAST CEILING). ATTACH WALL TO FLOOR WITH HILTI-XU POWDER DRIVEN FASTENER W/ 1-1/2" MIN. EMBEDMENT @ 20" O.C. ANCHOR TO WALL BY OPENING WALL AS REQUIRED TO INSTALL 16 GA. BACKING PLATE AT 24" O.C. VERTICALLY BETWEEN STUDS W/ (2) #10 S.M.S. AT EACH END OF PLATE. ANCHOR NEW WALL TO BACKING PLATES W/ (2) #10 S.M.S. AT EACH PLATE. PATCH, REPAIR AND PAINT WALLS AS REQUIRED. AT FREE-STANDING WALL ENDS AT CEILING LEVEL PROVIDE 4" DIAGONAL BRACING TO EXISTING METAL DECK ABOVE W/ #10 SELF-TAPPING S.M.S. CUT AND COPE DIAGONAL BRACING AS REQUIRED TO ATTACH TO TOP OF WALL AND METAL DECK.
- BN023 CONTRACTOR TO INSTALL METAL BACKING PLATES INSIDE TOP OF HOLLOW METAL DOOR FROM ON BOTH SIDES FOR DOOR CLOSER ATTACHMENT POINTS TO THE DOOR FRAME.
- BN024 INSTALL 16' HIGH CHAIN LINK FENCE FROM WALL TO WALL. INSTALL 16' HIGH DIVIDING CHAINLINK FENCE BETWEEN MIDDLE OF FENCED AREA.
- BN025 INSTALL (2) 6' WIDE X 8' TALL CHAINLINK ROLLING GATES. SEE DETAIL 7/A101.

CONSTRUCTION KEYNOTES

RENOVATED FLOOR PLAN

