



YORK COUNTY MOSS JUSTICE CENTER KITCHEN FLOORING REPLACEMENT

15 SOUTH MAIN STREET, SUITE 400
GREENVILLE, SC 29601

GENERAL NOTES

- A. THE TERM "WORK" AS USED IN THESE NOTES SHALL INCLUDE ALL PROVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS ALL OTHER PROVISIONS SPECIFICALLY INCLUDED BY THE OWNER IN THE FORM OF DRAWINGS, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS AND APPROVED BY THE ARCHITECT.
- B. THE TERM "CONTRACTOR" AS USED IN THESE NOTES SHALL REFER TO THE GENERAL CONTRACTOR OR TO THE SUB-CONTRACTORS. THE OWNER MAY ELECT TO CONTRACT DIRECTLY WITH A SUB-CONTRACTOR FOR ANY PART OF THE WORK.
- C. SCOPE OF WORK: THE CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, AND PAY ALL EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR PRODUCING A COMPLETE, HABITABLE PROJECT, INCLUDING BUT NOT LIMITED TO SITE WORK, ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, PLUMBING, HVAC, AND ELECTRICAL.
- D. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ARCHITECT, IN WRITING, OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK AND SHALL BE RESPONSIBLE FOR SAME.
- E. IF THE CONTRACT DOCUMENTS ARE FOUND TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, THE CONTRACTOR MUST REQUEST CLARIFICATION FROM THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THAT PART OF THE WORK.
- F. IF A CONDITION EXISTS THAT REQUIRES OBSERVATION OR ACTION BY THE ARCHITECT, OR OTHER DESIGN PROFESSIONAL, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.
- G. CONTRACTOR SHALL BE FAMILIAR WITH PROVISIONS OF ALL APPLICABLE CODES AND SHALL ENSURE THE COMPLIANCE OF THE WORK WITH ALL LOCAL, STATE AND FEDERAL CODES, TRADE STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE AND NATIONAL CODES, THE MORE STRINGENT SHALL GOVERN. BEFORE COMMENCING WORK NOT SHOWN IN DOCUMENTS, BUT REQUIRED TO ACHIEVE FULL COMPLIANCE WITH CODES, CONTRACTOR SHALL NOTIFY ARCHITECT.
- H. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY, COMPLIANCE WITH STATE AND FEDERAL REGULATIONS REGARDING SAFETY AND COMPLIANCE WITH REQUIREMENTS SPECIFIED IN THE OWNER/CONTRACTOR CONTRACT IS, AND SHALL BE, THE CONTRACTOR'S RESPONSIBILITY.
- I. CONTRACTOR SHALL PAY ALL TAXES, SECURE ALL PERMITS AND PAY ALL FEES INCURRED IN THE COMPLETION OF THE PROJECT.
- J. THE CONTRACTOR SHALL UNCONDITIONALLY WARRANTY ALL MATERIALS, AND WORKMANSHIP FURNISHED OR INSTALLED BY HIM OR HIS SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AND SHALL REPLACE ANY DEFECTIVE WORK WITHIN THAT PERIOD WITHOUT EXPENSE TO THE OWNER AND PAY FOR ALL DAMAGES TO OTHER PARTS OF THE BUILDING RESULTING FROM DEFECTIVE WORK OR ITS REPAIR. THE CONTRACTOR SHALL REPLACE DEFECTIVE WORK WITHIN A REASONABLE, AGREED UPON TIME FRAME, AFTER IT IS BROUGHT TO HIS ATTENTION.
- K. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH AND AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL RUBBISH, IMPLEMENTS, AND SURPLUS MATERIALS AND LEAVE THE BUILDING IN NEW AND CLEAN CONDITION.
- L. CONTRACTOR IS TO PROVIDE TO THE OWNER A LIST OF ALL SUBCONTRACTORS USED, COMPLETE WITH ADDRESSES, PHONE NUMBERS AND COPIES OF ALL WARRANTIES AND OPERATIONS AND MAINTENANCE MANUALS.

COORDINATION OF WORK

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND SUB-CONTRACTORS TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND SUB-CONTRACTORS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS, AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND SUB-CONTRACTORS. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEE'S USE ON THE PROJECT AND ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND SUB-CONTRACTORS.

CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.

PROJECT SCOPE

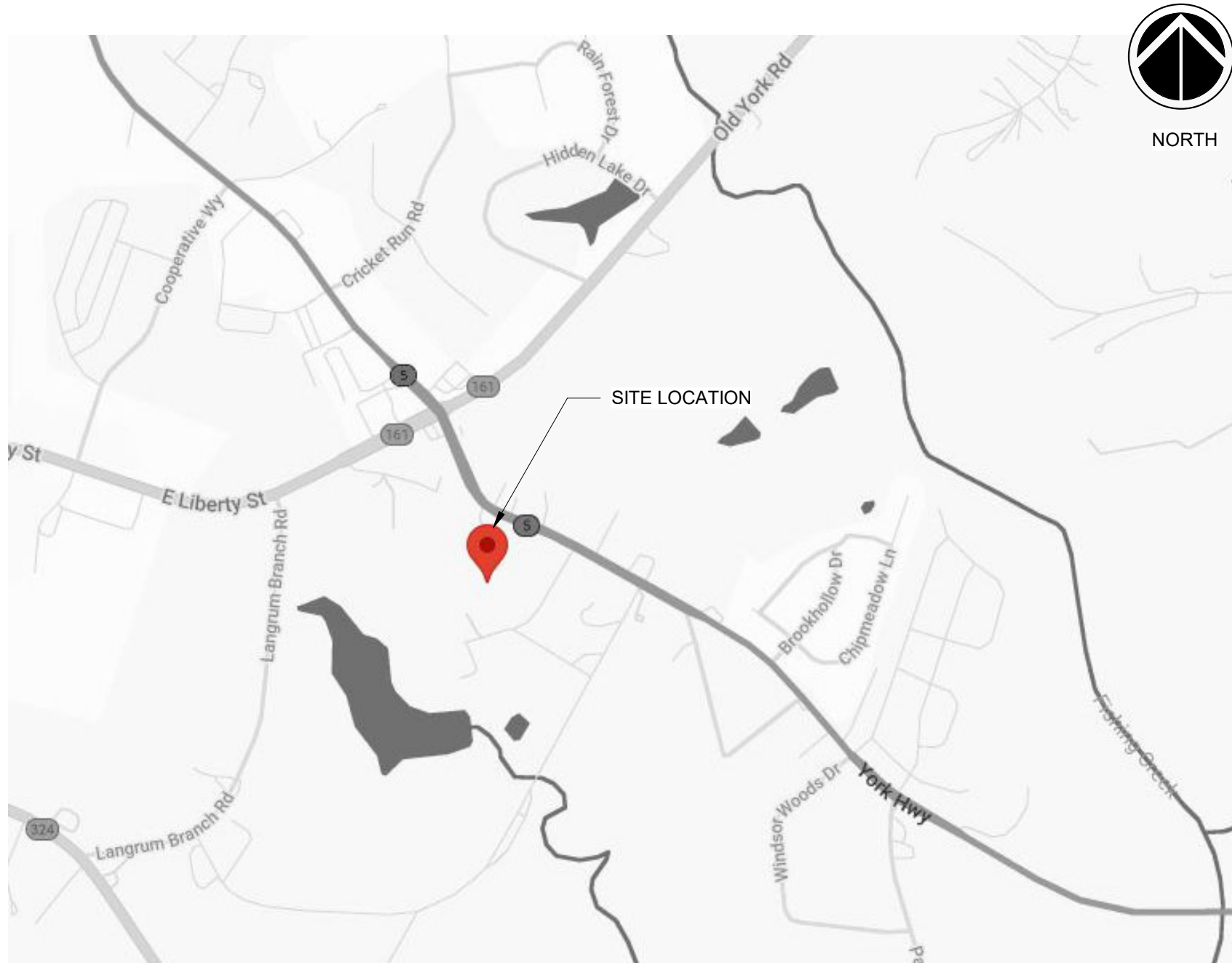
THE PROJECT SCOPE OUTLINED IN THIS SET OF DOCUMENTS INCLUDES REPAIR AND REPLACEMENT OF AN EXISTING QUARRY TILE FLOOR IN THE KITCHEN AREA OF THE EXISTING MOSS JUSTICE CENTER.

WORK SHALL BE PERFORMED AS QUICKLY AND EFFICIENTLY AS POSSIBLE TO MINIMIZE KITCHEN SHUTDOWN TIME. THE PROPOSED SCHEDULE IS AS FOLLOWS:

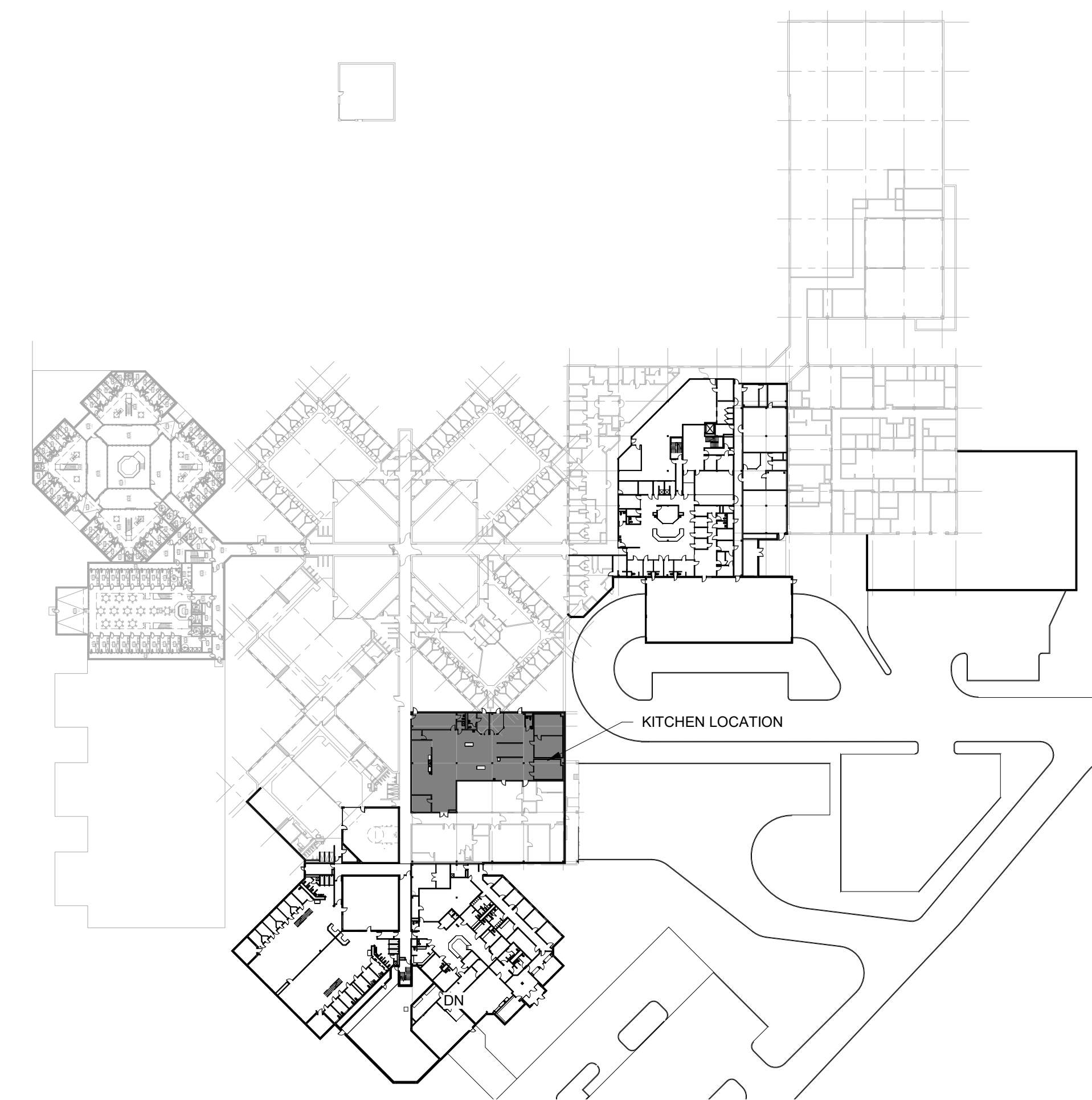
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|---------------------------------|--------|
| 1. REMOVE KITCHEN EQUIPMENT | 1 DAY |
| 2. FLOORING REPAIR/INSTALLATION | 5 DAYS |
| 3. FLOOR CURING | 1 DAY |
| 4. REINSTALLATION OF EQUIPMENT | 1 DAY |

CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY REMOVAL AND REINSTALLATION OF ALL KITCHEN EQUIPMENT INTERFERING WITH INSTALLATION OF THE NEW FLOOR.

VICINITY MAP



OVERALL PLAN



Seal

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Project



YORK COUNTY
MOSS JUSTICE
CENTER KITCHEN
FLOORING
REPLACEMENT

Project Number	25124
Drawn By	MTP
Checked By	MTP
Date	26 FEB 2025

Revisions

DRAWING INDEX				
NUMBER	SHEET NAME	SHEET ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
TITLE				
T1.01	TITLE SHEET	02/26/2025		
ARCHITECTURE				
A1.01	FLOOR PLAN	02/26/2025		
SPECIFICATIONS				
SP.01	SPECIFICATIONS (1 OF 3)	02/26/25		
SP.02	SPECIFICATIONS (2 OF 3)	02/26/25		
SP.03	SPECIFICATIONS (3 OF 3)	02/26/25		

PROJECT CONTACTS

OWNER

YORK COUNTY
CONTACT: SCOTT BURNS
SCOTT.BURNS@YORKCOUNTY.GOV
803.818.5743

ARCHITECT

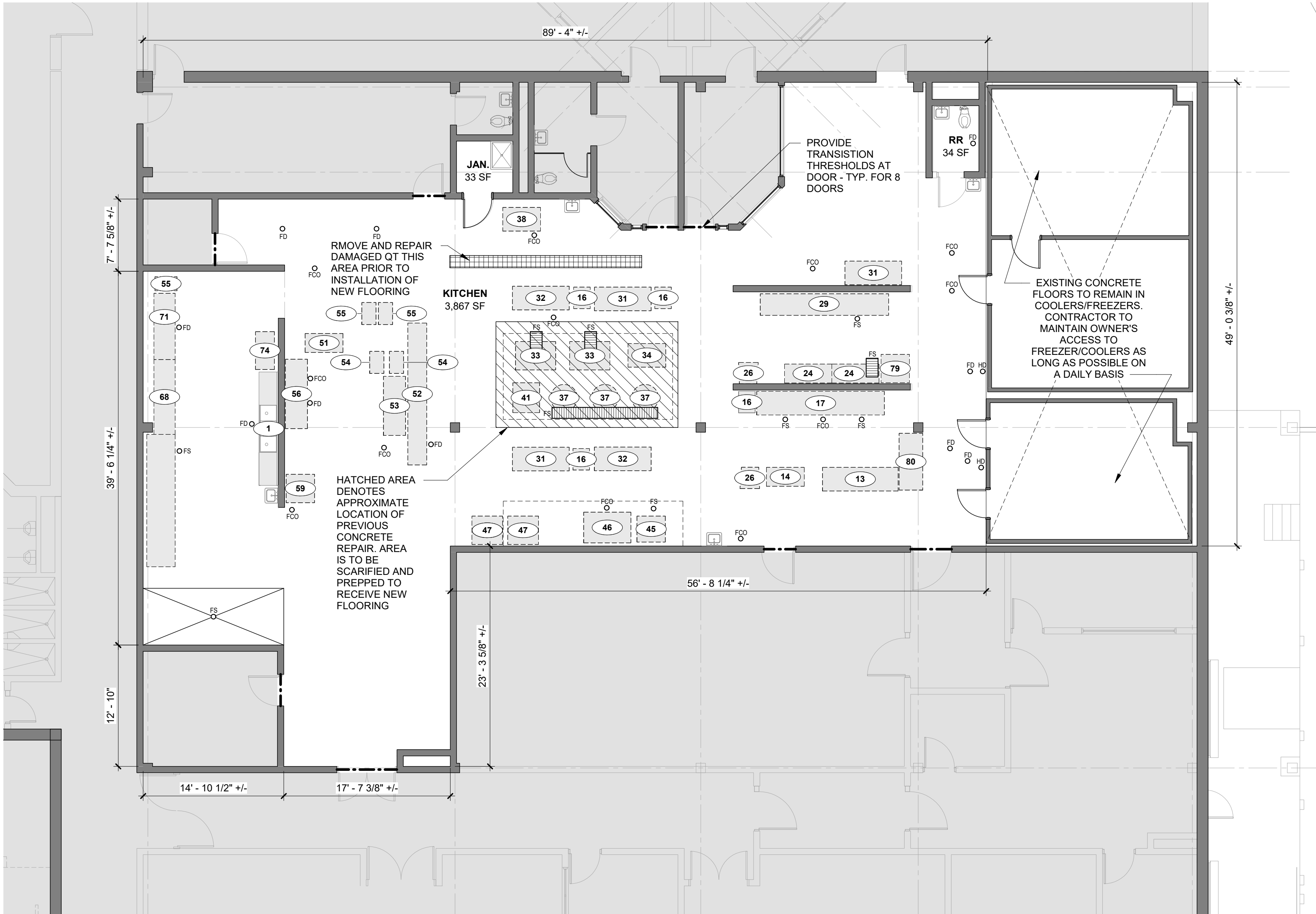
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Drawing

TITLE SHEET

T1.01

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1 BLDG 3 - PROPOSED KITCHEN AREA
A1.01 1/8" = 1'-0"

EQUIPMENT SCHEDULE	
TAG	ITEM NAME
1	3 COMPARTMENT SINK
13	BAKERS TABLE
14	ATTACHMENT RACK
16	PAN RACK MOBILE
17	WORKTABLE WITH SINKS
24	WORK TABLE MOBILE
26	MIXER
29	DISPOSER
31	WORK TABLE MOBILE
32	WORKTABLE WITH UTENSIL RACK
33	TILTING SKILLET
34	FRYER BATTERY
37	KETTLE, STATIONARY
38	ICE MACHINE
41	GRIDDLE TOP RANGE
45	PRESSURE STEAMER
46	DECK OVEN
47	CONVECTION OVEN
51	HOT FOOD RACK, MOBILE
52	TRAY ASSEMBLY CONVEYOR
53	HOT FOOD TABLE
54	PAN RACK MOBILE
55	TRAY DISPENSER
56	WORK COUNTER WITH SINK
59	REFRIGERATOR
63	SOILED DISHTABLE
68	DISH MACHINE
71	CLEAN DISHTABLE
74	CLEAN POT RACK
79	MIXER - SMALL
80	BAKERS TABLE - SMALL

*ALL KITCHEN EQUIPMENT SHOWN IS PROVIDED FOR PLANNING PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL FINAL EQUIPMENT REQUIRING TO BE TEMPORARILY RELOCATED AND ALL RELATED UTILITY CONNECTIONS.

GENERAL DEMOLITION NOTES

- A. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- B. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- C. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- D. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- E. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- F. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- G. DEMOLITION INCLUDES REMOVAL OF ALL EXISTING DAMAGED FLOORING AND BASE NECESSARY TO FACILITATE THE NEW FLOORING INSTALLATION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.

Seal

GENERAL FINISH NOTES

- A. PROVIDE SAMPLES FOR ALL FINISHES FOR APPROVAL PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH WORK.
- B. TEST SUBSTRATES FOR APPROPRIATE MOISTURE LEVELS PRIOR TO INSTALLING MATERIALS.
- C. INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS/RECOMMENDATIONS AND INDUSTRY STANDARDS.
- D. ALL FLOORING TRANSITIONS TO BE COMPLIANT WITH ADA AND LOCAL ACCESSIBILITY REQUIREMENTS. SHOULD REQUIREMENTS BE IN CONFLICT, THE MORE STRINGENT SHALL BE FOLLOWED.
- E. ALL FLOORING TRANSITIONS BETWEEN ROOMS TO OCCUR UNDER CENTERLINE OF DOOR IN CLOSED POSITION.
- F. IF SURFACES ARE NOT ACCEPTABLE TO RECEIVE FINISHES, CONTRACTOR SHALL HAVE SURFACES CORRECTED BEFORE BEGINNING FINISH APPLICATION.

GENERAL FLOOR PLAN NOTES

- A. GENERAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- B. NON-FIXED FURNITURE AND KITCHEN EQUIPMENT IS SHOWN FOR REFERENCE ONLY. NO NON-FIXED FURNITURE, FURNISHINGS OR EQUIPMENT ARE A PART OF THE CONSTRUCTION CONTRACT.

DETAILED SCOPE OF WORK

- CONTRACTOR TO TEMPORARILY REMOVE AND STORE EXISTING KITCHEN EQUIPMENT TO CLEAR THE KITCHEN FOR FLOORING INSTALLATION.
- REMOVE APPROXIMATELY 25 SF OF DAMAGED 8"x8" QUARRY TILE AND PREP APPROXIMATELY 200 SF OF PREVIOUS POURED CONCRETE FLOOR REPAIR.
- EXISTING QT JOINTS IN BASE TO BE FILLED & CHIPPED BASE TO BE PATCHED.
- TAP FLOOR AND REMOVE ANY LOOSE QUARRY TILE & FILL IN WITH URETHANE CONCRETE (APPROXIMATELY 200 SF TOTAL).
- EXISTING QUARRY TILE JOINTS IN BASE TO BE FILLED & CHIPPED. BASE TO BE PATCHED.
- SCRUB FLOOR WITH A DEGREASER AND CLEAN.
- PREP FLOOR & BASE BY GRINDING.
- PRE-FILL FLOOR JOINTS AND BASE JOINTS WITH URETHANE CONCRETE.
- INSTALL URETHANE CONCRETE ON FLOOR AND BASE & BROADCAST AGGREGATE. BASIS OF DESIGN: EUCLID TOPCOAT WITH A HIGH PERFORMANCE CEMENTITIOUS URETHANE FLOOR SEALER.
- REINSTALL ALL TEMPORARILY REMOVED KITCHEN EQUIPMENT.

FLOORING SPECIFICATION

REFER TO PRODUCT DATA SHEETS ON SP.01, SP.02, AND SP.03

BASIS OF DESIGN - ALL PRODUCTS ARE AS MANUFACTURED BY CARBOLINE GLOBAL, INC. OR APPROVED EQUAL. COLORS TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLOR SELECTIONS:

PRIME INTEGRAL EPOXY BASE - STERI-PRIME

INSTALL INTEGRAL EPOXY BASE - STERI-COVE GEL

PATCHING FLOOR WHERE QUARRY TILE IS NOT BONDED HOLLOW - SHOCK-CRETE HD

BODY COAT - SHOCK-CRETE SL 2

BROADCAST INTO SHOCK-CRETE SL2 - FILLER 0904 (20-40 MESH SAND) TO CREATE TEXTURE

TOPCOAT - SHOCK-CRETE TCUV



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Project



YORK COUNTY
MOSS JUSTICE
CENTER KITCHEN
FLOORING
REPLACEMENT

Project Number 25124
Drawn By MTP
Checked By MTP
Date 26 FEB 2025

Revisions

Drawing

FLOOR PLAN

A1.01


Dudick
 A Division of Catholac Global Inc.

Steri-Prime
 PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Epoxy primer
Description	A high solids epoxy primer for concrete. Designed to increase adhesion and reduce the potential for outgassing in high performance flooring or containment systems.
Features	<ul style="list-style-type: none"> Meets most VOC Requirements Low Odor User Friendly Tolerant to moisture vapor transmission (<5 lbs per 1000 ft²)
Color	Clear
Dry Film Thickness	3 - 4 mils (76 - 102 microns) per coat
Typical Uses	Penetrating primer for epoxy and urethane systems for concrete and other porous substrates.
Solids Content	By Volume 85%
Theoretical Coverage	1363 ft ² /gal at 1.0 mils (33.5 m ² /l at 25 microns)
Rate	454 ft ² /gal at 3.0 mils (11.2 m ² /l at 75 microns)
	341 ft ² /gal at 4.0 mils (8.4 m ² /l at 100 microns)
	Allow for loss in mixing and application.
VOC Values	As Supplied : 120 g/L
Topcoats	Topcoat selection will depend on exposure
	Contact Dudick for recommendations.

SUBSTRATES & SURFACE PREPARATION

Concrete	Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with ICRI CSP 2 or greater. Consult your Dudick representative for more information about the right surface profile for your casting system.
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PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Adhesion to Concrete ASTM D-7234	Cohesive Failure of concrete
Tensile Elongation ASTM C-307	20-25%
Tensile Strength ASTM C-307	2,000 - 2,500 PSI (13.8-17.2 MPa)

MIXING & THINNING

Mixing	Premix component B, then pour into to component A. Mix with slow speed drill and helical spinner, taking care not to entrain air.
Thinning	DO NOT THIN
Ratio	1:1, by volume

April 2023

F168

Page 1 of 4

Steri-Prime

PRODUCT DATA SHEET

MIXING & THINNING

	<p>The pot life will depend on the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the following:</p> <p>90 minutes @ 50°F (10°C) 60 minutes @ 75°F (24°C) 30 minutes @ 90°F (32°C)</p>
Pot Life	<p>At 75°F (24°C) the pot life will be shortened by the addition of Accelerator #1 as follows: Oz./ Accelerator #1 per mixed gallon of Steri-Prime.</p> <p>36 minutes with 3-4 oz 15 minutes with 6-7 oz Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.</p>

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General	brush, roller or squeegee.
Brush & Roller (General)	Use a short-nap mohair roller cover with solvent resistant core. For best results, condition roller before application to minimize lint or loose fibers. A high quality solvent resistant brush may be used for hard to reach areas.

APPLICATION PROCEDURES

General	<p>Prime all surfaces to be coated at 3-4 mils. Do not allow the primer to puddle.</p> <p>At stated minimum recoat times, primer may still be tacky. To optimize inter-coat adhesion, it is recommended to apply the basecoat over primer that is tacky. If this is not possible, adhere to maximum recoat times referenced in the Curing Schedule.</p>
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APPLICATION CONDITIONS


Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	20%
Maximum	90°F (32°C)	110°F (43°C)	110°F (43°C)	95%
Optimum	75°F (24°C)	75°F (24°C)	75°F (24°C)	50%

The temperature of the substrate should NOT exceed the dew point by 5 °F (3 °C) during application and curing. **Temperatures should not fall below 50 °F (4.4 °C) in the 24 hours after application.**

April 2023

F168

Page 2 of 4


Dudick
 A Division of Colson Industries

Steri-Prime

PRODUCT DATA SHEET

CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time
60°F (10°C)	12 Hours	8 Days
75°F (24°C)	6 Hours	5 Days
90°F (32°C)	4 Hours	3 Days

Dry to Touch time with 3-4 oz of Accelerator #1 is 4 hours, with 6-7 oz of Accelerator #1 is 2 hours.

Application in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double primer, shading, or evening application may be required. Consult a Dudick representative. Exposure of the primer to direct sunlight or higher temperatures will considerably shorten the recoat times. If maximum recoat times are exceeded, consult a Dudick Representative, sanding or abrasive blasting may be required before the coating, lining or floor topping can be applied.

At lower temperatures cure times will be longer. Final cure will take place in 5-7 days.

When using as a primer for coving material the coving should be applied into wet or tacky primer or, if they are to be applied onto a tack free primer, a sand broadcast should be applied to ensure the mortar does not slip during application.

TESTING / CERTIFICATION / LISTING

General	Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF) – Vee ANSI A328.3 of >0.42.
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CLEANUP & SAFETY

Cleanup | Use 5-10 Cleaning Solvent, MEK, or Acetone to clean tools and equipment.

Safety | Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.

PACKAGING, HANDLING & STORAGE

Packaging	1 Gallon Kit: Part A - 5 gal (1.89 liters) Part B - 5 gal (1.89 liters) 5 Gallon Kit: Part A - 2.5 gal (9.46 liters) Part B - 2.5 gal (9.46 liters)
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6 months @ 50-75°F (10°-24°C)

Shelf Life | When stored in their original, unopened containers. Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.

All products should be stored in a cool, dry area away from open flames, sparks or other hazards.

Storage | **Warning:** All Dudick, Inc. products classified by DOT with either white, yellow or red labels, must not be mixed or stored together as an explosive reaction can occur.

Shipping Weight (Approximate)	1 Gallon Kit: 14.6 lbs (6.6 kg) 5 Gallon Kit: 49.4 lbs (22.4 kg)
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April 2023

F188

Page 3 of 4

<p>Steri-Prime PRODUCT DATA SHEET</p>	
<p>WARRANTY</p> <p>To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.</p>	
<p>April 2023</p>	<p>F166 Page 4 of 4</p>

Seal

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Project



YORK COUNTY
MOSS JUSTICE
CENTER KITCHEN
FLOORING
REPLACEMENT

Project Number 25124
 Drawn By MTP
 Checked By MTP
 Date 26 FEB 2025

Revisions



Dudick
A Division of Carboline

Steri-Cove Gel
PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type | 100% solids thixotropic epoxy coating

Description

Steri-Cove Gel is an epoxy system designed for installation as integral cove base @ 1/16" to 1/4" thick. For use with Dudick, Steri-Floir, Steri-Quartz, Steri-Flake systems, and other systems as recommended by Dudick.

Features

- Meets California toward satisfying credit for low emitting material under LEED 4.1
- Meets California Department of Public Health CDPH/HLB Standard Method Version 1.2.2017, Compliance Certificates Available Upon Request
- Meets SCCQM/Q Rule 1113 for VOC content
- Low emitting material
- Low VOC's
- Low installation odor

Typical Uses

- Commercial/Institutional Kitchens
- Educational Facilities
- Pharmaceutical & Research Facilities
- Clean Rooms
- Laboratories
- Food & Beverage Facilities

Color

For solid colors use Steri-Cove Gel color packs with EA-1 Filler. Steri-Cove Gel color packs are matched to the Dudick Architectural Solid Color chart. Using just the clear resin and pre-blended color quartz allows for a virtually unlimited color options if needed.

Primer

Steri-Prime, Primer 67LV or others as recommended by Dudick.

Coverage Rate

- 1/8" Thickness (1" radius) - 47 lineal feet at 4" height
- 1/8" Thickness (1" radius) - 33 lineal feet at 6" height
- 3/16" Thickness (1" radius) - 40 lineal feet at 4" height
- 3/16" Thickness (1" radius) - 27 lineal feet at 6" height

Coverage estimated for 1 gallon of mixed resin combined with 50 lbs of EA-1 Filler or 25 mesh Color Quartz trowel grade fillers added, **yielding approximately 3.25 gallons of mixed mortar.**

VOC Values

As Supplied - 45 gr.

SUBSTRATES & SURFACE PREPARATION

Concrete

Concrete must be prepared mechanically to remove surface latices. Oils, grease or other contaminants must be removed prior to surface preparation. Concrete must free of curing compounds and form release agents. Surface texture should be similar to 60-80 grit sandpaper or the visual standard, CSP 3 from the International Concrete Repair Institute. The prepared surface should have a minimum tensile strength of 550 PSI per ASTM D4541. Additional surface preparation will be required if a 60-80 grit texture is not achieved and the surface latices not completely removed with the first mechanical preparation procedure.

December 2024

181D

Page 1 of 3

Steri-Cove Gel

PRODUCT DATA SHEET

MIXING & THINNING

	<p>Tack Coat & Great Coat: Mix Part A separately for approximately 1 minute before adding Part B. Add Part B to Part A and mix thoroughly for 2-3 minutes to achieve a uniform color and consistency.</p> <p>Trowel Cove: Prior to adding the aggregate, combine Part's A and B, then mechanically mix for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and remix for another 30 seconds to achieve a uniform consistency. Gradually add the aggregate, mixing continuously until a uniform mortar is achieved. Note: Steri-Cove Gel can be used with any of these aggregates: pre-blenched color quartz (trowel grade), solid color quartz (trowel grade) or EA-1 Filler.</p>
Mixing	
Ratio	<p>Part A: 85 oz (2.5 liters) Part B: 43 oz (1.27 liters) 50 lb (22.7 kg) of aggregate</p> <p>20-25 minutes @ 70°F (21°C)</p>
Pot Life	<p>The pot life of components will depend upon the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the corresponding tables.</p> <p>Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.</p>

APPLICATION PROCEDURES

	<p>Concrete must always be primed to aid to reduce the potential for outgassing and to promote adhesion.</p> <p>Do not allow the primer to puddle.</p> <p>Tack Coat: Use a disposable brush to apply a thin coat on the vertical surface as well as the appropriate horizontal area which will be part of the seamless cove base.</p> <p>Bodycoat: Apply the mixed Steri-Cove Gel over the wet tack coat. (Note: If the tack coat has fully dried before the cove mortar is applied, an additional tack coat must be re-applied.)</p> <p>Place the mixed mortar on the prepared floor against the wall, then smooth with a 1" radius cove trowel, unless otherwise specified. Changing the radius of the cove will change the estimated coverage.</p> <p>Great Coat: Apply with a disposable brush to excess. Follow with a flat squeegee to remove excess. Allow to cure overnight and repeat (if necessary) for second coat.</p>
Application	

APPLICATION CONDITIONS

Condition	Surface	Humidity
Minimum	50°F (10°C)	0%
Maximum	110°F (43°C)	90%


Application of Steri-Cove Gel in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Overworking may also lead to blisters.


Double priming, shading or evening application may be required. Consult a Dudick representative.

December 2024

181D

Page 2 of 3

 Dudick A Division of Carboline		Steri-Cove Gel PRODUCT DATA SHEET				
CURING SCHEDULE						
Surface Temp. 70°F (21°C)		Touch Dry 5 Hours	Minimum Recoat Time 5 Hours			
			Maximum Recoat Time 72 Hours			
Important: With all epoxies after priming and before each additional coat, examine the surface for amine blush (poly film). If present, remove by washing with warm water and detergent.						
TESTING / CERTIFICATION / LISTING						
General	Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF) – Wet ANSI A328.3 of >0.42.					
CLEANUP & SAFETY						
Cleanup	Use S-10 Cleaning Solvent to clean tools and equipment. Acetone and MEK may also be used. DO NOT USE LACQUER THINNER.					
Safety	Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.					
PACKAGING, HANDLING & STORAGE						
Packaging	1 Gallon Kit Part A - 0.65 gal (1.89 liters) Part B - 0.35 gal (1.89 liters) When 1 x 50lb bag of EA-1 Filler or 25 mesh color quartz is added, a 1 gallon kit yields approximately 3.25 mixed gallons 5 Gallon Kit Part A - 3.25 gal (9.46 liters) Part B - 1.75 gal (9.46 liters) When 5 x 50lb bags of EA-1 Filler or 25 mesh color quartz are added, a 5 gallon kit yields approximately 16.25 mixed gallons					
Shelf Life	12 months at 50°F-75°F (10°C-24°C) When properly stored in their original, unopened containers. Storage in direct sunlight or excessive heat will reduce working time and shelf life.					
Storage	All products should be stored in a cool, dry area, away from open flames, sparks, or other hazards. Warning: All Dudick products classified by DOT with white, yellow or red labels must not be mixed or stored together as an explosive reaction can occur.					
WARRANTY						
To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carboline's sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carboline's option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.						
December 2024	181D	Page 3 of 3				


Dudick
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Shock-Crete® HD
 PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type | Cementitious urethane flooring mortar

Description | Liquid nitrogen resistant for splash and spill, trowel applied cementitious urethane mortar (1/4"-1/2" / 6-13 mm). Contains antimicrobial additives that protect it from degradation caused by microorganisms. Demonstrates excellent resistance to thermal shock, mechanical damage, and chemical attack.

Features

- Unaffected by MVT (moisture vapor transmission)
- Excellent chemical resistance
- High abrasion resistance
- Industry leading range for thermal shock (-350 to 400°F)
- Withstands mechanical stress
- Easy to clean and sterilize surface
- Resistant to steam cleaning
- Positive slip resistance
- May be applied to "green" concrete
- Ultra low VOC/odor
- Suitable for use in USDA inspected facilities
- Resistant to liquid nitrogen (Contact Dudick for recommendations when dealing with liquid nitrogen exposure)

Typical Uses

- General Concrete Restoration
- Breweries and Beverage Plants
- Automotive Aisleways
- Food Processing Plants
- Meat Packaging Plants
- Loading Ramps
- Packing Plants
- Machine Shops
- Wet Walls
- Cryogenic Areas

Color | Stocked Colors: Red (Q501), Mid Gray (Q703), Cream (Q202), Dark Gray (Q704), Tan (Q204), Khaki (Q205), Green (Q302), and Safety Yellow (Q603), and Black (Q900).

Finish | Matte

Primer | Self-priming

Recommended Thickness | 1/4-1/2" (6-13 mm)

Environments with more aggressive chemical or thermal conditions will require higher thicknesses. Contact a Dudick representative for a recommendation.

January 2025

270D


Page 1 of 5


Drawing

SPECIFICATIONS

(1 OF 3)

SP.01

Shock-Crete® HD PRODUCT DATA SHEET		 Dudick A Division of Carboline
SELECTION & SPECIFICATION DATA		
	Small Kit 20 ft ² (1.9 m ²) at 1/4" (6 mm) 15 ft ² (1.4 m ²) at 3/8" (10 mm) 10 ft ² (0.9 m ²) at 1/2" (13 mm)	
Coverage Rate	Tote Kit 12,000 ft ² (1,115 m ²) at 1/4" (6 mm) 8,250 ft ² (766.5 m ²) at 3/8" (10 mm) 5,500 ft ² (511 m ²) at 1/2" (13 mm)	
	For thicknesses greater than 1" (25 mm) extend using pea gravel. Add 16 lbs. (7.3 kg) of pea gravel per unit to yield 0.57 cubic feet (0.02 cubic meters).	
VOC Values	As Supplied - 35 g/L	
Dry Temp. Resistance	-35°F to 400°F (-21°C to 204°C)	
Limitations	While this product is resistant to liquid nitrogen exposure with sustained or frequent cyclic exposure, minimal discoloration and visible hairline cracks are possible. This does not affect the ability for it to protect the concrete substrate.	
Chemical Resistance	<ul style="list-style-type: none"> Organic Acids Dilute Inorganic Acids Alkali Solutions Salts Oils Aliphatic Solvents 	
Topcoats	Shock-Crete Topcoat, Shock-Crete TCUV, Sealer 985 or as recommended by your Dudick representative.	
SUBSTRATES & SURFACE PREPARATION		
Concrete	Concrete must be prepared mechanically to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must free of curing compounds and form release agents. Surface texture should be similar to 40-60-grit sandpaper or the visual standard, CSP-4 from the International Concrete Repair Institute with exposed pea gravel . The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D-7234. All control joints must be honored. Anchor grooves must be cut on both sides of such joints. Welded joints and cracks in the concrete may be sealed, but if movement occurs the coating will crack with the movement of the concrete. All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263. Additional surface preparation will be required if a 40-60 grit texture with exposed pea gravel is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.	
January 2025 207D Page 2 of 5		


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Shock-Crete® HD
 PRODUCT DATA SHEET

PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Coefficient of Thermal Expansion (ASTM C531)	1.1×10^{-5}
Compressive Strength (ASTM C579)	7,300 PSI (50 MPa)
Density	130lb/cu ft (2082.4 kg/cu meter)
Flexural Strength (ASTM C580)	1,800 PSI (12.4 MPa)
Modulus of Elasticity (ASTM C580)	1.7×10^5 PSI
Taber Abrasion (ASTM D4060)	70 mg.
Tensile Bond Strength (ASTM C7234)	Cohesive Failure of Concrete
Tensile Strength (ASTM C307)	825 PSI (5.7 MPa)

MIXING & THINNING

Mixer	When deciding on mixing equipment, keep in mind that Shock-Crete has a 15-minute working time at 70°F (21°C) . A 10-15-gallon rotating drum container is recommended. It is portable and easy to clean. The stationary mixing paddle provides both radial and axial action, scraping both the side and bottom of the container.
	A mortar mixer can be used as long as it contains blades for uniform mixing.
Mixing	Add Color Pack to Component A and thoroughly mix to redistribute pigments or fillers that may have settled. Add the pre-measured Component A to the mixer followed by the addition of the pre-measured Component B and mix for one minute.
	Slowly add the aggregate and continue mixing until all the aggregate has been totally wetted. DO NOT REDUCE AGGREGATE. DO NOT MIX PARTIAL KITS.
	The mixed material shall be placed immediately after mixing.
Thinning	For improved flow and leveling or when working in hot weather, a maximum of 4 fl. oz. of Thinner 45 (Mineral Spirits) can be added.
Pot Life	30 minutes @ 50°F (10°C) 15 minutes @ 70°F (21°C) 8-9 minutes @ 90°F (32°C)

APPLICATION PROCEDURES

General	The Shock-Crete HD system can only be applied to properly prepared bare concrete or a previous layer of Shock-Crete. It will not bond to epoxy or other polymer systems. All Shock-Crete systems cure with pinholes in the surface. Contact Dudick for a pinhole free finish.
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January 2025

2070

Page 3 of 5

Shock-Crete® HD

PRODUCT DATA SHEET

APPLICATION PROCEDURES

A unit of mixed material shall be poured out and then troweled to the approximate thickness required. This should be done before finishing. Then finish using large sweeping motions and keeping the trowel as flat as possible. At this point it will be easy to see any defects in the surface. A final sweep provides a uniform finish and brings a little more liquid to the surface which fills any voids in the aggregate. The next mix should be laid as above. Extra care should be taken in the transition between mixes. Final sweeps should take in the previous mix to keep it from shrinking.

Do not over trowel. Immediately after final trowel sweep, dampen a 3/8" nap roller with acetone. The roller should be just wet enough so that no Shock-Crete HD is "pulled off" the surface. Lightly roll over surface. One cross hatch application should be sufficient to create a uniform appearance to the surface. The roller will get contaminated and should be changed out frequently.

Dampen, do not flood the surface with acetone. Exercise caution when using acetone.

Acetone has a low flashpoint of -49°F (-20°C). Keep away from open flames.

The surface of Shock-Crete HD may need to be ground or abraded and the finish texture of Shock-Crete can be customized. Contact a Dudick representative for options and application techniques.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	40°F (4°C)	0%
Maximum	90°F (32°C)	90°F (32°C)		90%

Consult Dudick for temperatures below 50°F (10°C).

Application of Shock-Crete HD in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Shading or evening application may be required. Consult a Dudick representative.

CURING SCHEDULE

Surface Temp.	Foot Traffic
50°F (10°C)	14 Hours
70°F (21°C)	7 Hours
90°F (32°C)	3 Hours

At lower temperatures the hardening time is longer. It is important there are no dry patches. Complete hardening takes 5-7 days. Shock-Crete HD should not be applied thinner than specified because the rate of cure can be affected.

Unless applied wet on wet, a minimum of 14 hours dry time is required before recoating.

If recast window of 24 hours maximum recast is exceeded on neat (un-broadcasted) system installations is exceeded, the surface must be abraded before applying additional coats

CLEANUP & SAFETY

Cleanup | Use S-10 Cleaning Solvent, MEK or Acetone to clean tools and equipment.

Safety | Read and follow all caution statements on this product data sheet and on the SDS. Employ normal safety precautions. Keep container closed when not in use.

January 2025

207D

Page 4 of 5

Shock-Crete® HD

PRODUCT DATA SHEET

PACKAGING, HANDLING & STORAGE

	Small Kit Shock-Crete HD Part A - 1 x 0.55 gal (2.1 liters) Shock-Crete HD Part B - 1 x 0.45 gal (1.7 liters) Shock-Crete HD Filler - 1 x 48 lbs. (21.8 kg) bag Pigment Pack - 1 x 1 lb. (45 kg) bag Yields approximately 3.4 mixed gallons
Packaging	Total Kit Shock-Crete HD Part A - 1 x 316 gal (2.1 liters) Shock-Crete HD Part B - 1 x 250 gal (1.7 liters) Shock-Crete HD Filler - 550 x 48 lbs. (21.8 kg) Pigment Pack - 550 x 1 lb. (45 kg) bags Yields approximately 1,870 mixed gallons
Shelf Life	12 months at 50°F-75°F (10°C-24°C)
	Store indoors, avoiding direct sunlight. DO NOT FREEZE.
Storage	Warning: All Dudick products classified by DOT with either white, yellow or red labels must not be mixed or stored together as an explosive reaction may occur.
Shipping Weight (Approximate)	Small Kit - Approx. 59.1 lbs (27 kg) Total Kit - Approx. 31,921 lbs (14,479 kg)

WARRANTY

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January 2025

20TD

Page 5 of 5

		Shock-Crete® SL2 PRODUCT DATA SHEET
SELECTION & SPECIFICATION DATA		
Generic Type	Self-leveling cementitious urethane floor coating	
Description	Self-leveling cementitious urethane flooring product (1/8-3/16" 3-5 mm), that allows moisture to move through the material at a safe rate and offers significant lifecycle cost savings compared to tile or acid brick. It contains PolyGerm® which has antimicrobial properties that protect it and the facility it is installed in, from degradation caused by microorganisms. It is a great solution for moderate thermal shock, mechanical damage, and chemical attack.	
Features	Typically broadcast with flake, colored quartz, or sand as part of a decorative and robust flooring system. <ul style="list-style-type: none"> • Resistant up to 12 lbs of moisture vapor transmission per 1000 sq ft/ 24hrs • Excellent chemical resistance • High abrasion resistance • Resistant to thermal shock • Withstands mechanical stress • Easy to clean and sterilize surface • Resistant to steam cleaning • Positive slip resistance • May be applied to "green" concrete • Ultra low VOC odor • Suitable for use in USDA inspected facilities • Can be used in decorative flake or quartz systems 	
Typical Uses	<ul style="list-style-type: none"> • General concrete restoration • Breweries and beverage plants • Food processing plants • Meat packaging plants • Automotive aiseways • Machine shops • Laboratories 	
Color	Stocked Colors: Red (Q501), Mid Gray (Q703), Cream (Q202), Dark Gray (Q704), Tan (Q204), Khaki (Q205), Green (Q302), and Safety Yellow (Q603), and Black (Q900).	
Finish	Matte	
Primer	Self Priming	
Recommended Thickness	1/8"-3/16" (3-5 mm) *Typical thickness achieved after the addition of broadcast sand.	
Coverage Rate	Large Kit 94 ft² at 3/32" (8.7 m² at 2.4 mm) 83 ft² at 1/8" (9.9 m² at 3.2 mm) Total Kit 23,500 ft² at 3/32" (8.7 m² at 2.4 mm) 15,750 ft² at 1/8" (5.9 m² at 3.2 mm)	
VOC Values	As Supplied : 0.04 lbs/gal (5 g/L)	
Dry Temp. Resistance	Continuous: 180°F (82°C) Non-Continuous: 220°F (104°C)	

January 2025

F165

Page 1 of 5

Shock-Crete® SL2

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Limitations Shock-Crete SL2 may change color over time depending on exposure to UV light and heat. This does not compromise the product's chemical resistance or physical characteristics.

Topcoats Shock-Crete Topcoat, Shock-Crete TC/U, Sealer 985, Sealer 30 or as so as recommended by Dudick.

SUBSTRATES & SURFACE PREPARATION

Concrete	Concrete must be prepared mechanically to remove surface laitance. Oil, grease or other surface contaminants must be removed prior to surface preparation. Concrete must free of curing compounds and form release agents.
	Abrade the surface to achieve an ICRI CSP 3-5 surface profile.
	The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D-7234.
	Anchor grooves or keyed joints, at least 1/2" (0.64 cm) wide and 1/4" (0.64 cm) deep, must be cut at terminations and transitions.
	All control joints must be honored. Anchor grooves or keyed joints must be cut at all transitions and terminations. These must be cut at least 1/2" (0.64 cm) wide and 1/4" (0.64 cm) deep.
	Filled joints and cracks in the concrete may be coated, but if movement occurs the coating will crack with the movement of the concrete.
	Concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4253. If moisture is found to be present contact Dudick for further recommendations

PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.


Test Method	Results
Abraction Resistance (ASTM D4060)	50 mg loss
CS 17 Wheel, 1000 cycles	
Adhesion (ASTM D4541)	400 psi (100% concrete failure)
Coefficient of Friction (ASTM D2047)	Exceeds ADA recommendations
Coefficient of Thermal Expansion (ASTM C531)	2.7 x 10 ⁻⁶ in/in/°F
Compressive Strength (ASTM C579)	>7,260 psi
Flexural Strength (ASTM C308)	2,900 psi
W/F Resistance (ASTM F1885)	12 lbs/1,000 ft/24hrs
Tensile Strength (ASTM C307)	1,740 psi

The figures and test results shown are typical properties achieved in laboratory tests at 68 °F (20 °C) and at 50% Relative Humidity.

January 2025

F165

Page 2 of 5



Shock-Crete® SL2

PRODUCT DATA SHEET

MIXING & THINNING

	<p>Pour component A into a suitably sized mixing vessel and add the pigment pack and mix using a slow speed drill and helical spinner for 20 seconds.</p> <p>Add component B. Mix for 30 seconds and then add the Shock-Crete SL2 aggregate while mixing. Ensure that all aggregate and resin have been scraped into the mix from the sides of the mixing vessel otherwise bubbles/blisters can develop in the applied floor.</p> <p>Continue mixing until a homogeneous mixture is obtained (1-2 minutes).</p> <p>Pour mixture directly onto the substrate so it can be placed without delay.</p> <p>Scrape out any residual material from the mixing vessel and dispose of, before starting the next mix. Working time of the following mix could be reduced if residue from the previous mix is not removed.</p> <p>When possible, use common batch numbers for pigment packs on the same job help ensure color uniformity.</p> <p>Do not split batches/components. Incorrect mixing ratios or poor mixing can result in irregular hardening or variations in color, etc.</p> <p>There are often several types of products at a workplace. Sort and establish a mix an organized mixing station to avoid mistakes.</p>
Mixing	
Thinning	<p>For improved flow and leveling or when working in hot weather, a maximum of 4 fl.oz. of Thinner 45 (Mineral Spirits) can be added.</p>
Working Time	<p>15 minutes at 70 °F (21 °C)</p>

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General	<ul style="list-style-type: none"> • ½"(1.27 cm) Notched Squeegee or a gauge rake/cam rake set to 1/8" • Finishing and margin trowels • Short nap mohair, spiked, or loop rollers
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APPLICATION PROCEDURES

General	<p>Prior to starting the job, the product should be stored between 60-80 °F (16-27 °C) to ensure adequate mixing, flow, and penetration of the product.</p>
Broadcast	<p>Broadcast desired aggregate into wet material until rejection. After the coating is hard enough to walk on, remove excess aggregate and apply desired topcoat.</p>

January 2025

F165

Page 3 of 5

Shock-Crete® SL2

PRODUCT DATA SHEET

APPLICATION PROCEDURES

Application	Pour the material onto the substrate, using a cam rake, gauge rake, or notched squeegee, place it without delay.
	Pull the tool across the width of the area to applied) allowing the material achieve constant coverage.
	For small areas or under immovable equipment travel placement may be used.
	Further finishing can be done by lightly rolling the surface with a spiked or loops roller to even out the surface and reduce roller marks.
	Excessive rolling reduces texture and can lead to pin holes in the resin rich surface.
Application	Finishing with a roller must be completed within 5 minutes after the material has been placed.
	The roller should be replaced regularly (approx. every 500 sq.ft./46.5 sq.m.) to prevent resin curing on the roller.
	Maximum application width is determined by material and ambient temperature conditions, which affect the working life of the product and determines the speed of installation and man power required. As a guide (for substrate and material temperatures up to 70°F / 21°C) a competent team of 4-5, could lay a maximum bay width of 30 feet. At higher temperatures the bay width should be reduced by up to a half.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	40°F (6°C)	9%
Maximum	80°F (27°C)	90°F (32°C)	90°F (32°C)	95%

The temperature of the substrate should be at least 50°F (10°C), although a temperature of 60-80°F (16-27°C) is recommended.

CURING SCHEDULE

Surface Temp.	Light Traffic	Heavy Traffic	Final Cure
50°F (10°C)	14 Hours	36 Hours	7 Days
70°F (21°C)	8 Hours	16 Hours	4 Days
90°F (32°C)	5 Hours	10 Hours	2 Days

At lower temperatures the hardening time is longer. It is important there are no dry patches. Complete hardening takes 5-7 days. Shock-Crete SL2 should not be applied in thicker than specified because the rate of cure can be affected. Unless applied wet on wet, a minimum of 16 hours dry time is required before recasting. If recast window of 24 hours maximum recast is exceeded on neat (un-broadcasted) system installations is exceeded, the surface must be abraded before applying additional coats

CLEANUP & SAFETY

Cleanup	Clean tools immediately with Thinner S-10, 2, or 76.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.

MAINTENANCE

General	Normal plant cleaning procedures may be employed after the Shock-Crete floor has been put in service. There are no effective restrictions on the method of cleaning employed. Shock-Crete products, when properly installed, will tolerate water wash down at continuous sanitizing temperatures.
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January 2025

F185

Page 4 of 5

Seal

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Project



YORK COUNTY
MOSS JUSTICE
CENTER KITCHEN
FLOORING
REPLACEMENT

Project Number 25124
 Drawn By MTP
 Checked By MTP
 Date 26 FEB 2025

Revisions

Drawing

SPECIFICATIONS (2 OF 3)

SP.02

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Shock-Crete® SL2
PRODUCT DATA SHEET

PACKAGING, HANDLING & STORAGE

Packaging	Large Kit Shock-Crete Part A - 1 x 1.20 gal (4.5 liters) Shock-Crete Part B - 1 x 0.98 gal (3.7 liters) Shock-Crete SL2 Filler - 1x 40 lb (18 kg) bag Pigment Pack - 1 x 1 lb (45 kg) bag Yields approximately 3.95 mixed gallons
	Tote Kit Shock-Crete Part A - 1 x 300 gal (1135.5 liters) Shock-Crete Part B - 1 x 245 gal (927.4 liters) Shock-Crete SL2 Filler - 250 x 40 lb (18 kg) bags Pigment Pack - 250 x 1 lb (45 kg) bags Yields approximately 67 mixed gallons
Shelf Life	12 months in unopened container
Storage Temperature & Humidity	50-90°F (10-32°C) Do not allow material to freeze.
Shipping Weight (Approximate)	Approx. 51.5 lbs (23.4 kg)
Flash Point (Setaflash)	Part A: >200 °F (93 °C) Part B: 351 °F (177 °C)

WARRANTY
To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.



Shock-Crete® TCUV
PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	High performance cementitious urethane floor sealer
Description	Shock-Crete TCUV is a high performance, UV stable, semi-gloss topcoat for cementitious urethane floor systems. Contains Polygiene® which has antimicrobial properties that protect it from degradation caused by microorganisms.
Features	<ul style="list-style-type: none">• UV stable• Excellent chemical resistance• High abrasion resistance• Resistant to thermal shock• Excellent resistance to MVT (moisture vapor transmission)• Withstands mechanical stress• Ultra low VOC• Suitable for use in USDA inspected facilities.
Typical Uses	Used as a topcoat for Shock-Crete systems where UV stability, MVT resistance, and chemical resistance is desired.
Color	Stocked Colors: Red (Q501), Mid Gray (Q703), Cream (Q202), Dark Gray (Q704), Tan (Q204), Khaki (Q205), Green (Q302), and Safety Yellow (Q603), and Black (Q801). Note: When applying at less than 12 mils, it may be necessary to add 2 pigment packs for full opacity
Finish	Semi-Gloss
Recommended Thickness	12 mils (300 microns) Do not apply at less than 5 mils (127 microns)
Coverage Rate	Approximately 230 ft ² (88.4 m ²) per 2.2 gallon unit Approximately 230 ft ² (70 m ²) as a grout coat over broadcast floors per 2.2 gallon unit
VOC Values	As supplied 0.04 lbs/gal (5 g/L)
Density	Approximately 11.5 lbs/gallon (1.38 kg/L)

SUBSTRATES & SURFACE PREPARATION

General	Apply over properly installed Shock-Crete system. Any loose broadcast media must be removed prior to the application of Shock-Crete TCUV.
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PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	System	Results
Compressive Strength (ASTM D579)	Shock-Crete TCUV	7,000 psi
Flexural Strength (ASTM C680)	Shock-Crete TCUV	1,200 psi
Tensile Strength (ASTM C307)	Shock-Crete TCUV	1,500 psi



Shock-Crete® TCUV
PRODUCT DATA SHEET

MIXING & THINNING

Mixing	Add Shock-Crete TCUV Part A to mixing vessel. Add Pigment Pack and mix with slow speed drill and helical paddle for 20 seconds. Add Shock-Crete TCUV Filler and mix until all filler has been fully dispersed. Finally add Shock-Crete TCUV Part B and mix for 30 seconds.
Working Time	Ready-mixed product should be used within 20 minutes at a temperature of 70 °F (21 °C). At higher temperatures the application time is shorter.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General	<ul style="list-style-type: none">• Flat rubber squeegee• Shed resistant short nap roller
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APPLICATION PROCEDURES

General	Prior to starting the job, the product should be stored in such a way that the temperature is the same as the room temperature where the product is to be applied, i.e. between 60-80 °F (16-27 °C). This improves the mixing, flow, penetration and hardening of the product.
Application	Shock-Crete TCUV should be applied evenly in a consistent layer thickness. Spread using a rubber squeegee and then back roll using a 3/8" nap roller, finally cross roll using a 1/4" (6 mm) nap roller. Do not apply at less than 5 mils (127 microns)

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	90°F (32°C)	90°F (32°C)	85%

The recommended substrate temperature is 60-80 °F (16-27 °C), but no less than 50 °F (10 °C). The temperature of the substrate should not exceed the dew point by 5 °F (3 °C) during application and hardening. Temperatures should not fall below 40 °F (4 °C) in the 24 hours after application.

CURING SCHEDULE

Surface Temp.	Tack Free	Dry to Topcoat	Maximum Recoat Time
70°F (21°C)	8 Hours	8 Hours	24 Hours

*Requires sanding if overcoated later than 24 hours. Can be walked on after 8 hours. The product is fully hardened after 5-7 days. Note: Good ventilation and the correct humidity are prerequisites to achieve the above drying times. High humidity in the early stages of cure can result in extended cure times. Do not cover or wash within first 24 hours of curing.

TESTING / CERTIFICATION / LISTING

General	Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF) – Wet ANSI A326.3 of >0.42.
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Shock-Crete® TCUV
PRODUCT DATA SHEET

CLEANUP & SAFETY

Cleanup	Clean tools immediately after use with acetone or MEK.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.

PACKAGING, HANDLING & STORAGE

Packaging	Shock-Crete TCUV Part A - 0.86 gal (3.3 liter) Shock-Crete TCUV Part B - 1 gal (3.8 liter) Shock-Crete TCUV Filler - 1 x 6 lbs (2.7 kg) bag Pigment Pack - 1 x 1 lb (45 kg) bag approximately 2.25 gallons mixed
Shelf Life	Part A - 12 months Part B - 6 months Filler - 12 months In unopened container
Storage Temperature & Humidity	Store between 50-90 °F (10-32 °C). Protect from frost.
Shipping Weight (Approximate)	Approx. 21.5 lbs (9.6 kg)
Flash Point (Setaflash)	Part A: >200 °F (93 °C) Part B: 200 °F (93 °C)

WARRANTY
To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.

Seal



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Project



YORK COUNTY
MOSS JUSTICE
CENTER KITCHEN
FLOORING
REPLACEMENT

Project Number 25124
Drawn By MTP
Checked By MTP
Date 26 FEB 2025

Revisions

Drawing

SPECIFICATIONS
(3 OF 3)

SP.03