

July 26, 2021

# HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS Cedar Lake, IN 46303

# TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated March 29, 2021 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 7-1 through 7-4 and attached Specification Section 09 67 22 – Resinous Flooring.

GENERAL NOTE: This Re-Bid is ONLY for Bid Category No. 6 – Flooring. Bid opening is Thursday, August 12, 2021 at 10:00AM (CDST) in the Hanover Community Schools Administration Board Room

#### A. <u>NOTICE OF BIDDING DEADLINE CHANGE</u>

- 1. All references to the Bidding Deadline or the Bids Received Date are to change to August 12, 2021. Bids are due at 10:00 AM (CDST) and will be publicly read aloud immediately following the deadline.
  - a. Modify references in Specification Section 00 00 10.

#### B. <u>SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS</u>

#### 1. **Add:**

Specification Section 09 67 22 - Resinous Flooring

#### C. <u>SPECIFICATION SECTION 00 02 00 - NOTICE TO BIDDERS</u>

#### 1. Replace:

Specification Section 00 02 00 - Notice to Bidders with attached revised section.

#### D. SPECIFICATION SECTION 00 31 00 - BID FORM

#### 1. Replace:

Specification Section 00 31 00 - Bid Form with attached revised section.

#### E. SPECIFICATION SECTION 00 43 50 - SUBCONTRACTORS AND PRODUCTS LIST

#### 1. Replace:

Pages 3 through 5 with attached revised Specification Section 00 43 50 - Subcontractors and Products List

#### F. <u>SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY</u>

#### **Under Article 3.03 Bid Categories, make the following adjustments:**

1. **Delete:** 

#### **BID CATEGORY NO. 6 - FLOORING**

2. <u>Add:</u>

#### **BID CATEGORY NO. 6A - HARD TILE**

General Requirements in Paragraph 3.02B above.

Section	01 21 00	Allowances
Section	07 84 00	Firestopping (As Applicable)
Section	07 90 00	Joint Sealants (As Applicable)
Section	09 31 00	Ceramic Tile

Clarification No. 1:

Regarding Specification Sections 07 84 00 Firestopping and 07 90 00 Joint Sealants; all contractors are to provide Firestopping and Joint Sealants in accordance with the Contract Documents. In general, the Contractor whose work creates a joint that requires firestopping or joint sealant (in the normal sequence of work) is to provide the firestopping or joint sealant. The **Bid Category No. 7 Contractor** is responsible for caulking at all hollow metal frames.

Clarification No. 2:

The **Bid Category No. 6A Contractor** shall vacuum the sub floor prior to installation of flooring materials.

#### 3. BID CATEGORY NO. 6B - CARPET

General Requirements in Paragraph 3.02B above.

Section	01 21 00	Allowances
Section	07 84 00	Firestopping (As Applicable)
Section	07 90 00	Joint Sealants (As Applicable)
Section	09 68 00	Carpet

Clarification No. 1:

Regarding Specification Sections 07 84 00 Firestopping and 07 90 00 Joint Sealants; all contractors are to provide Firestopping and Joint Sealants in accordance with the Contract Documents. In general, the Contractor whose work creates a joint that requires firestopping or joint sealant (in the normal sequence of work) is to provide the firestopping or joint sealant. The **Bid Category No. 7 Contractor** is responsible for caulking at all hollow metal frames.

Clarification No. 2:

The **Bid Category No. 6B Contractor** shall vacuum the sub floor prior to installation of flooring materials.

Clarification No. 3:

The **Bid Category No. 6B Contractor** is to include in their bid, 20 man-hours for work to be performed by a skilled carpenter journeyman at the direction of the Construction Manager throughout the duration of the project. At the end of the project, unused hours will be converted into a dollar amount and returned to the Owner as a deduct Change Order.

#### 4. BID CATEGORY NO. 6C - RESILIENT & RESINOUS FLOORING

General Requirements in Paragraph 3.02B above.

Section	01 21 00	Allowances
Section	07 84 00	Firestopping (As Applicable)
Section	07 90 00	Joint Sealants (As Applicable)
Section	09 65 13	Resilient Flooring
Section	09 67 22	Resinous Flooring

Clarification No. 1:

Regarding Specification Sections 07 84 00 Firestopping and 07 90 00 Joint Sealants; all contractors are to provide Firestopping and Joint Sealants in accordance with the Contract Documents. In general, the Contractor whose work creates a joint that requires firestopping or joint sealant (in the normal sequence of work) is to provide the firestopping or joint sealant. The **Bid Category No. 7 Contractor** is responsible for caulking at all hollow metal frames.

#### Clarification No. 2:

The **Bid Category No. 6C Contractor** shall vacuum the sub floor prior to installation of flooring materials.

#### Clarification No. 3:

The **Bid Category No. 6C Contractor** is to include in their bid, 20 man-hours for work to be performed by a skilled carpenter journeyman at the direction of the Construction Manager throughout the duration of the project. At the end of the project, unused hours will be converted into a dollar amount and returned to the Owner as a deduct Change Order.

#### Clarification No. 4:

The **Bid Category No. 6C Contractor** is to include \$5,000 in their bid for costs associated with the submittal website and document management subscription. Any unused amount will be credited back to the Owner as a deductive Change Order.

#### G. <u>SPECIFICATION SECTION 01 21 00 - CONTRACT ALLOWANCES</u>

#### **Under Article 3.03, make the following adjustments:**

#### **1. Add:**

Κ.	Bid Category No. 6A	Hard Tile	\$5,000
L.	Bid Category No. 6B	Carpet	\$5,000
М.	Bid Category No. 6C	Resilient & Resinous Flooring	\$5,000

#### H. <u>SPECIFICATION SECTION 01 32 00 - SCHEDULES AND REPORTS</u>

#### 1. Replace:

The Guideline Schedule in its entirety with the attached revised Guideline Schedule.

#### SECTION 00 02 00 - NOTICE TO BIDDERS

#### **NOTICE TO BIDDERS**

Notice is hereby given that sealed bids will be received:

- By: Hanover Community School Corporation 9520 W. 133<sup>rd</sup> Avenue Cedar Lake, IN 46303
- For: Hanover Central High School Additions and Renovations Rebid of Bid Category No. 6 - Flooring 10120 W. 133<sup>rd</sup> Avenue Cedar Lake, IN 46303
- At: Hanover Community School Corporation Administration Building 9520 W. 133<sup>rd</sup> Avenue Cedar Lake, IN 46303
- Until: 10:00AM (CST), on August 12, 2021
- Bid Opening: Bids will be publicly opened and read aloud at 10:00AM (CST), on August 12, 2021, at the Hanover Community School Corporation Administration Building Conference Room.

All work for the complete construction of the Project will be under one or more prime contracts with the Owner based on bids received and on combinations awarded. The Construction Manager will manage the construction of the Project.

Construction shall be in full accordance with the Bidding Documents which are on file with the Owner and may be examined by prospective bidders at the following locations:

Office of the Construction Manager The Skillman Corporation 8006 Aetna Street Merrillville, IN 46410 The Skillman Plan Room www.skillmanplanroom.com

<u>Prime and Non-Prime Contract Bidders</u> must place an order on <u>www.skillmanplanroom.com</u> to be able to download documents electronically or request printed documents. There is no cost for downloading the bidding documents. Bidders desiring printed documents shall pay for the cost of printing, shipping, and handling. Reprographic Services are provided by:

Reprographic Arts, 1017 Franklin St., Michigan City, IN 46360, Phone (219) 872-9111

Bid security in the amount of ten percent (10%) of the Bid must accompany each Bid in accordance with the Instructions to Bidders.

The successful Bidders will be required to furnish Performance and Payment Bonds for one hundred percent (100%) of their Contract amount prior to execution of Contracts.

Contractors submitting bids for the performance of any Work as specified in this building Project should make such Bids to **Hanover Community School Corporation**. Contractors are advised that the Contract as finally entered into with any successful Bidder may be entered into with either the School Corporation or the Building Corporation or certain portions of the Contract may be entered into by both the School Corporation and the Building Corporation.

The Owner reserves the right to accept or reject any Bid (or combination of Bids) and to waive any irregularities in bidding. All Bids may be held for a period not to exceed <u>60 days</u> before awarding contracts.

#### Hanover Community School Corporation

By: Mrs. Mary Tracy-MacAulay, Superintendent

END OF SECTION 00 02 00

# **CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96**

Format (Revised 2013) (Amended for HCSC)

# **Hanover Central High School Additions and Renovations**

Hanover Community School Corporation

Cedar Lake. IN

## **PART I**

(To be completed for all bids. Please type or print)

Date (month, day, year):

BIDDER	(Firm`	)
	(I IIIII	, ,

Address P.O. Box

City/State/Zip

Telephone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

Person to contact regarding this Bid

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

Insert Category No. (s) and Name(s)

Of public works project, Hanover Central High School Additions and Renovations, in accordance with Plans and Specifications prepared by Gibraltar Design, 9102 N. Meridian St., Ste. #300, Indianapolis, IN 46260, as follows:

#### BASE BID

For the sum of \_\_\_\_\_\_(Sum in words)

\_\_\_\_\_DOLLARS (\$\_\_\_\_\_\_)
(Sum in figures)

The undersigned acknowledges receipt of the following Addenda: Receipt of Addenda No. (s) \_\_\_\_\_

#### PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference	YES	NO	
Has visited the jobsite	YES	NO	
The Bidder has reviewed the Guid	leline Schedule in	Section 01 32 00 and the inte	ent
Of the schedule can be met.	YES	NO	
Bidder has included their Written will perform work on the public v 13-18-5 or IC 4-13-18-6.	work project and n YES	neets or exceeds the requirem NO	nents set in IC 4-
The Skillman Corporation's dive	•	1 0	0 /
measure the active participation			
Disabled Individual-Owned Bus	Ŭ		
provided full and equal opportur	nity to participate in	n all Skillman Corporation's	Projects.

Bidder has included:	DBE: YES	%	NO	
	MBE: YES	%	NO	
	WBE: YES	%	NO	
	VBE: YES	%	NO	

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS (if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

#### ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

#### \*\*<u>MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE</u>\*\*

Alternate Bid No. 1 - New Early Childcare Clas	sroom and FACS Lab	
Change the Base Bid the sum of(sum in words)		
	DOLLARS (\$) (sum in figures)	ADD DEDUCT
Alternate Bid No. 2 - Slope Metal Roof Replac	ement	
Change the Base Bid the sum of		
	DOLLARS (\$) (sum in figures)	ADD DEDUCT
Alternate Bid No. 3 - Gas Heating/DX Cooling	DOAS Unit A1	
Change the Base Bid the sum of(sum in words)		
	DOLLARS (\$) (sum in figures)	ADD DEDUCT
Alternate Bid No. 4 - New Gas Heating/DX Co	oling DOAS Unit B1	
Change the Base Bid the sum of		
(sum in words)	DOLLARS (\$) (sum in figures)	ADD DEDUCT
	(sum in figures)	

# Alternate Bid No. 5 - New Piping Distribution System to Units A and B

Change the Base Bid the sum of(sum in words)			
(sum m words)			ADD
	DOLLARS (\$(s	) um in figures)	DEDUCT
Alternate Bid No. 6 - Hubbell Lighting			
Change the Base Bid the sum of(sum in words)			
	DOLLARS (\$(s	) um in figures)	ADD DEDUCT
Alternate Bid No. 7 - VCT Manufactured by Arr	<u>nstrong</u>		
Change the Base Bid the sum of(sum in words)			
	DOLLARS (\$(s	) um in figures)	ADD DEDUCT

#### PART II

#### (For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

#### SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?\_\_\_\_\_If so, where and why?

4. List references from private firms for which you have performed work.

#### SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

### SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

#### SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

#### SECTION V OATH AND AFFIRMATION

# I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at	this	day of	, 20
			(Name of Organization)
	By		
			(Title of Person Signing)
		WLEDGEME	ENT
STATE OF	)		
COUNTY OF	) SS:		
Before me, a Notary Pub	olic, personally appea	ared the above	e-named
Swore that the statement	s contained in the for	regoing docu	ment are true and correct.
Subscribed and sworn to	before me this	d	lay of
(Title)			
	Notary Public		
My Commission Expires	5:		
County of Residence:			
2			
	END OF SI	ECTION 00	31 00

#### 1.03 CIVIL AND ARCHITECTURAL WORK SUBCONTRACTORS AND PRODUCTS LIST

# BID CATEGORY NO.

(Insert Category No. and Name)

NAME OF BIDDER

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If a dual listing of manufacturers and subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

#### CIVIL AND ARCHITECTURAL WORK

Subcontractor/Manufacturer	Division 09 -	Division 09 - Finishes			
	09 31 00	Ceramic Tile			
	09 65 13	Resilient Flooring			
	09 67 22	Resinous Flooring			
	09 68 00	Carpet			

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

#### END OF SECTION 00 43 50

<i>v</i> ity Name	Original Duration Start	Finish	2021 2022
			b       Mar       Apr       May       Jun       Jul       Aug       Sep       Oct       Nov       Dec       Jan       Feb       Mar       Apr       May       Jun       Jul       Jul
lanover High School Additions and Renovations	448 May.12.2021 A	Jan.27.2023	
Project Administration	448 May.12.2021 A	Jan.27.2023	
Submittals & Color Charts	120 May.12.2021 A	Jan.05.2022	Submittals & Color Charts
Procure Early Childhood Classroom Addition Steel	20 Jun.02.2021 A	Aug.18.2021	Procure Early Childhood Classroom Addition Steel
Procure Unit Ventilators	60 Jul.22.2021	Oct.13.2021	Procure Unit Ventilators
Procure Admin Addition Steel	29 Jul.22.2021	Aug.31.2021	Procure Admin Addition Steel
Procure Chiller/Rooftop Units	60 Jul.22.2021	Oct.13.2021	Procure Chiller/Rooftop Units
Procure Windows	60 Jul.22.2021	Oct.13.2021	Y Procure Windows
Open Flooring Bids	0	Aug.12.2021	Open Flooring Bids
Classroom A Turnover	0	Oct.27.2021	Classroom A Turnover
Start Mechanical Room	0 Nov.01.2021*		Start Mechanical Room
Science A Turnover	0	Nov.09.2021	Science A Turnover
Athletic Restroom Turnover	0	Nov.15.2021	♦ Athletic Restroom Turnover
Classroom B Turnover	0	Feb.24.2022	<ul> <li>Classroom B Turnover</li> </ul>
Admin Addition Turnover	0	Mar.29.2022	Admin Addition Turne
Early Childhood Addition Turnover	0	Apr.01.2022	Early Childhood Add
Science B Turnover	0	Apr.11.2022	Science B Turnove
Last Day of School 2022	5 May.31.2022*	Jun.06.2022	🖉 Last Day
Classroom C Turnover	0	Jun.16.2022	◆ Classr
Athletic Turnover	0	Jul.15.2022	◆ A
Music Turnover	0	Oct.31.2022	
Classroom D Turnover	0	Nov.07.2022	
Shop Area Turnover	0	Jan.02.2023	
Classroom E Turnover	0	Jan.27.2023	
Project Completion	0	Jan.27.2023	
Sitework	208 Jul.22.2021 A	Apr.20.2022	Sitework
Site Utilites	10 Jul.22.2021 A	Aug.04.2021	XXX Site Utilites

Actual Work	220060.04 Hanover High School Additions and Renovations	
C Remaining Work		
Critical Remaining Work	Revised Guideline Schedule Jul.26.21	
Milestone		
Summary	Page 1 of 14	

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ctivity Name	Original Duration Start	Finish	
			2021         2022         2023           Max
Strip & Stock Topsoil	3 Jul.29.2021	Aug.02.2021	p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun 27 Strip & Stock Topsoil
Site Lighting	10 Mar.09.2022	Mar.22.2022	∠ Site Lighting
Concrete Curbs & Waks	6 Mar.23.2022	Mar.30.2022	Concrete Curbs & Waks
Site Furnishings	2 Mar.23.2022	Mar.24.2022	∑ Site Furnishings
Asphalt Paving	5 Mar.31.2022	Apr.06.2022	
Asphalt Striping	2 Apr.07.2022	Apr.08.2022	∠
Final Grading	5 Apr.07.2022	Apr.13.2022	 ⊿⊽ Final Grading
Landscaping	5 Apr.14.2022	Apr.20.2022	 ⊿⊽ Landscaping
Early Childhood Classroom Addition	175 Aug.02.2021	Apr.01.2022	Early Childhood Classroom Addition
Building Core & Shell	170 Aug.02.2021	Mar.25.2022	Building Core & Shell
Building Pad	3 Aug.02.2021	Aug.04.2021	ΣΣ Building Pad
Footings & Foundations	15 Aug.05.2021	Aug.25.2021	Footings & Foundations
Underground Sanitary	5 Aug.26.2021	Sep.01.2021	⊿ Underground Sanitary
Structural Steel Framing, Detailing, Joists & Deck	24 Sep.02.2021	Oct.05.2021	∑ Structural Steel Framing, Detailing, Joists & Deck
Roofing	15 Oct.06.2021	Oct.26.2021	
Exterior Metal Stud Framing & Sheathing	15 Oct.06.2021	Oct.26.2021	Exterior Metal Stud Framing & Sheathing
Underground Electrical & Technology	5 Oct.06.2021	Oct.12.2021	⊿ Underground Electrical & Technology
Cavity Insulation	5 Oct.27.2021	Nov.02.2021	∠ Cavity Insulation
Face Brick, Split Face CMU & Cut Stone Sills	20 Nov.03.2021	Nov.30.2021	Face Brick, Split Face CMU & Cut Stone Sills
Roofing Details	10 Dec.01.2021	Dec.14.2021	A Roofing Details
Sun Shades	5 Dec.01.2021	Dec.07.2021	Sun Shades
Exterior Windows	5 Dec.15.2021	Dec.21.2021	I Exterior Windows
EIFS	8 Mar.09.2022	Mar.18.2022	
Exterior Storefronts	5 Mar.21.2022	Mar.25.2022	✓ Exterior Storefronts
Interior Buildout	123 Oct.13.2021	Apr.01.2022	
Slab-on-Grade	10 Oct.13.2021	Oct.26.2021	Slab-on-Grade
In-Wall Plumbing Rough-ins	10 Oct.27.2021	Nov.09.2021	In-Wall Plumbing Rough-ins
In-Wall Electrical Rough-ins	10 Oct.27.2021	Nov.09.2021	In-Wall Electrical Rough-ins
Actual Work	2200	)60.04 Hanover H	High School Additions and Renovations
			uideline Schedule Jul.26.21
Milestone			
Summary			Page 2 of 14

ctivity Name	Original Duration	Start	Finish	
		Start		
Interior CMU Walls	10	Oct.27.2021	Nov.09.2021	p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun
	10	001.27.2021	1000.09.2021	Interior∖CMU∖Walls
Metal Stud Framing	10	Oct.27.2021	Nov.09.2021	A Metal Stud Framing
Ductwork	10	Oct.27.2021	Nov.09.2021	∠ Ductwork
Above Ceiling Piping	10	Nov.10.2021	Nov.23.2021	Above Ceiling Piping
Mechanical Units	5	Nov.10.2021	Nov.16.2021	/ Mechanical Units
Above Ceiling Electrical & Technology	10	Nov.24.2021	Dec.07.2021	Above Ceiling Electrical & Technology
Drywall & Tape	20	Dec.08.2021	Jan.04.2022	<b>△</b> Drýwall & Tape
Painting & Wall Coatings	15	Jan.05.2022	Jan.25.2022	Painting & Wall Coatings
Ceilings	12	Jan.26.2022	Feb.10.2022	Ceilings
Light Fixtures	12	Jan.26.2022	Feb.10.2022	Light Fixtures
Mechanical Trim	12	Jan.26.2022	Feb.10.2022	Mechanical Trim
Metal Lockers	10	Jan.26.2022	Feb.08.2022	▲ ✓ Metal Lockers
Electrical Devices & Trim	5	Feb.11.2022	Feb.17.2022	Electrical Devices & Trim
Tile	10	Feb.11.2022	Feb.24.2022	<b>∆</b> ∑7 Tile
Wall Coverings		Feb.11.2022	Feb.14.2022	🖉 Wall Coverings
Casework & Millwork	6	Feb.15.2022	Feb.22.2022	🖾 Casework & Milliwork
Markerboards & Tackboards	3	Feb.23.2022	Feb.25.2022	🖉 Markerboards & Tackboards
Plumbing Fixtures		Feb.25.2022	Mar.02.2022	✓ Plumbing Fixtures
Flooring	15	Feb.28.2022	Mar.18.2022	Flooring
Toilet Partitions	3	Mar.03.2022	Mar.07.2022	I Toilet Partitions
Toilet Accessories	2	Mar.08.2022	Mar.09.2022	☑ Toilet Accessories
Doors & Hardware	5	Mar.21.2022	Mar.25.2022	Doors & Hardware
Punchlist Completion		Mar.28.2022	Apr.01.2022	🖉 Punchlist Completion
Admin Addition	179	Jul.22.2021	Mar.29.2022	
Building Core & Shell	179	Jul.22.2021	Mar.29.2022	
Footings & Foundations	20	Jul.22.2021	Aug.18.2021	Footings & Foundations
Underground Sanitary	10	Aug.19.2021	Sep.01.2021	Underground Sanitary
Actual Work		2200	(A A Hanoway D	gh School Additions and Renovations
Actual Work		22000	ю.04 <i>11</i> иноver П	
Critical Remaining Work			Revised G	uideline Schedule Jul.26.21
Milestone				
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Actual Work	220060.04 Hanover High School Additions and Renovations	
Remaining Work		
Critical Remaining Work	Revised Guideline Schedule Jul.26.21	
Milestone		
Summary	Page 3 of 14	

Activity Name	Original Duration	Start	Finish	
				2021 2023 p Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   May   Jun
Structural Steel Framing, Detailing, Joists & Deck	30	Sep.01.2021	Oct.12.2021	$\Delta = \nabla$ Structural Steel Framing, Detailing, Joists & Deck
Exterior Metal Stud Framing & Sheathing	15	Oct.13.2021	Nov.02.2021	
Roofing		Oct.13.2021	Nov.09.2021	Exterior Metal Stud Framing & Sheathing
			Oct.19.2021	
Underground Electrical & Technology		Oct.13.2021		□ Underground Electrical & Technology
Cavity Insulation	10	Nov.03.2021	Nov.16.2021	∠ Cavity Insulation
Face Brick, Split Face CMU & Cut Stone Sills	15	Nov.17.2021	Dec.07.2021	Face Brick, Split Face CMU & Cut Stone Sills
Metal Panels	20	Dec.08.2021	Jan.04.2022	∕ Metal Panels
Roofing Details	15	Jan.05.2022	Jan.25.2022	Roofing Details
Sun Shades	10	Jan.05.2022	Jan.18.2022	∠ Sun Shades
Exterior Windows	10	Jan.26.2022	Feb.08.2022	∠ Exterior Windows
Exterior Storefronts and Clerestory Windows	10	Mar.16.2022	Mar.29.2022	
EIFS Soffits		Mar.21.2022	Mar.25.2022	Exterior Storefronts and Clerestory Windows
				Interior Buildout
Interior Buildout Slab-on-Grade		Oct.20.2021 Oct.20.2021	Mar.29.2022 Nov.02.2021	
In-Wall Plumbing Rough-ins		Nov.03.2021	Nov.09.2021	∑ Slab-on-Grade
				∠⊠ In-Wall Plumbing Rough-ins
In-Wall Electrical Rough-ins		Nov.03.2021	Nov.23.2021	/──── In-Wall Electrical Rough-ins
Interior CMU Walls		Nov.03.2021	Nov.23.2021	∠ Interior CMU Walls
Metal Stud Framing	20	Nov.03.2021	Nov.30.2021	∕ Metal Stud Framing
Ductwork	15	Nov.03.2021	Nov.23.2021	
Above Ceiling Piping	15	Nov.10.2021	Nov.30.2021	Above Ceiling Piping
Above Ceiling Electrical & Technology	10	Nov.17.2021	Nov.30.2021	Above Céiling Electrical & Technology
Mechanical Units	5	Nov.24.2021	Nov.30.2021	
Drywall & Tape	20	Dec.01.2021	Dec.28.2021	Drywall & Tape
Painting & Wall Coatings		Dec.29.2021	Jan.18.2022	
		Jan.19.2022	Feb.01.2022	A Painting & Wall Coatings
Ceilings				
Light Fixtures		Jan.19.2022	Feb.01.2022	Light Fixtures
Mechanical Trim	10	Jan.19.2022	Feb.01.2022	✓ Mechanical Trim
Actual Work     Remaining Work		22000	50.04 Hanover H	gh School Additions and Renovations
Critical Remaining Work			Revised G	ideline Schedule Jul.26.21
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Actual Work	220060.04 Hanover High School Additions and Renovations	
Remaining Work	Revised Guideline Schedule Jul.26.21	
Critical Remaining Work	Revised Guideline Schedule Jul.20.21	
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Summary	Page 4 of 14	

ctivity Name	Original Duration Start	Finish	
			2021 2022 2023
Metal Lockers	5 Jan.19.2022	Jan.25.2022	p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun J
Electrical Devices & Trim	10 Feb.02.2022	Feb.15.2022	
			Electrical Devices & Trim
Casework & Millwork	10 Feb.02.2022	Feb.15.2022	Casework & Millwork
Markerboards & Tackboards	3 Feb.02.2022	Feb.04.2022	☑ Markerboards & Tackboards
Tile	5 Feb.02.2022	Feb.08.2022	
Wall Coverings	3 Feb.02.2022	Feb.04.2022	
Plumbing Fixtures	2 Feb.09.2022		Z Wall Coverings
			☐ Plumbing Fixtures
Toilet Accessories	2 Feb.11.2022	Feb.14.2022	
Flooring	20 Feb.16.2022	Mar.15.2022	Flooring
Doors & Hardware	5 Mar.16.2022	Mar.22.2022	
Punchlist Completion	5 Mar.23.2022	Mar.29.2022	
·			
Interior Renovations	417 Jun.24.2021		Interior Renovations
Corridor Renovations	293 Jul.14.2021		
Above Ceiling HVAC Piping Mains	20 Jul.14.2021	A Aug.11.2021	Above Ceiling HVAC Piping Mains
Demolition	20 Jun.07.2022	Jul.04.2022	
Storefronts	10 Jun.07.2022	Jun.20.2022	Store <sup>®</sup> fronts
Wall Coatings	25 Jun.14.2022	Jul.18.2022	── <mark>╶</mark> ╬╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠╌╌╠
	30 Jun.21.2022		Wall ¢oatings
Flooring			Flobring
Punchlist Completion	5 Aug.02.202	2 Aug.08.2022	ST Punchlist Completion
Athletics	227 Sep.02.202	Jul.15.2022	Athletics
Demolition	10 Apr.06.2022	Apr.19.2022	
Underground Sanitary	10 Apr.20.2022	May.03.2022	∠ Underground Sanitary
Plumbing Rough-ins	10 May.04.202	2 May.17.2022	
Ductwork	5 May.04.202	2 May.10.2022	Plumbing Rough-ins
			Ductwork
Interior CMU Walls	10 May.18.202	2 May.31.2022	Interior CMU Walls
Electrical Rough-ins	10 May.18.202	2 May.31.2022	Electrical Rough-ins
Painting	5 Jun.01.2022	Jun.07.2022	
Ceilings	5 Jun.08.2022	Jun.14.2022	
Actual Work	22	0060.04 Hanover I	High School Additions and Renovations
Remaining Work			Suideline Schedule Jul 26.21
Critical Remaining Work		Revised G	Guideline Schedule Jul.26.21
<ul> <li>Milestone</li> <li>Summary</li> </ul>			Page 5 of 14

tivity Name	Original Duration Start	Finish	2021 2022 2023
Light Fixtures	5 Jun.08.2022	Jun.14.2022	p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun
			Light Fixtures
Mechanical Trim	5 Jun.08.2022	Jun.14.2022	∠ Mechanical Trim
Electrical Devices & Trim	3 Jun.15.2022	Jun.17.2022	☑ Electrical Devices & Trim
Flooring	7 Jun.20.2022	Jun.28.2022	∠⊠7 Flooring
Plumbing Fixtures	4 Jun.29.2022	Jul.04.2022	−
Toilet Accessories	2 Jul.05.2022	Jul.06.2022	-
Doors & Hardware	2 Jul.07.2022	Jul.08.2022	
Punchlist Completion	5 Jul.11.2022	Jul.15.2022	
Restrooms	53 Sep.02.2021	Nov.15.2021	Restrooms
Demolition	7 Sep.02.2021	Sep.10.2021	
Plumbing Rough-ins	8 Sep.13.2021	Sep.22.2021	
			A Plumbing Rough-ins
Ductwork	5 Sep.13.2021	Sep.17.2021	△ Ductwork
Electrical Rough-ins	5 Sep.13.2021	Sep.17.2021	∠ Electrical Rough-ins
Above Ceiling Piping	5 Sep.23.2021	Sep.29.2021	🗖 Above Ceiling Piping
Interior CMU Walls	10 Sep.23.2021	Oct.06.2021	→ Δ.▼ Interior CMU Walls
Ceilings	3 Oct.07.2021	Oct.11.2021	 ⊿7 Ceilings
Light Fixtures	3 Oct.07.2021	Oct.11.2021	Light Fixtures
Mechanical Trim	3 Oct.07.2021	Oct.11.2021	 ⊿⊽ Mechanical Trim
Tile	10 Oct.12.2021	Oct.25.2021	
Electrical Devices & Trim	3 Oct.26.2021	Oct.28.2021	– ☑ Electrical Devices & Trim
Plumbing Fixtures	5 Oct.26.2021	Nov.01.2021	 ▲ Plumbing Fixtures
Toilet Partitions	4 Nov.02.2021	Nov.05.2021	Toilet Partition's
Toilet Accessories	1 Nov.08.2021	Nov.08.2021	Toilet Accessories
Punchlist Completion	5 Nov.09.2021	Nov.15.2021	∠ quich perception
Science Room A	99 Jun.24.2021 A	Nov.09.2021	Science Room A
Underground Sanitary	15 Jun.24.2021 A		Underground Sanitary
Ductwork	15 Jul.15.2021 A	Aug.11.2021	
Plumbing Rough-ins	10 Jul.15.2021 A	Aug.04.2021	
			Plumbing Rough-ins
Actual Work	2200	60.04 Hanover H	igh School Additions and Renovations
Remaining Work	Revised Gu		ideline Schedule Jul.26.21
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Activity Name	Original Duration Start	Finish	
		FINIST	2021 2022 2023
Above Ceiling Piping	5 Aug.12.2021	Aug.18.2021	p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Ju
Metal Stud Framing	2 Aug.19.2021	Aug.20.2021	Above Ceiling Piping
			📈 Metal Stud Framing
Electrical & Technology Rough-ins	5 Aug.19.2021	Aug.25.2021	∠ Electrical & Technology Rough-ins
Drywall & Tape	10 Aug.26.2021	Sep.08.2021	Drywall & Tape
Painting	10 Sep.09.2021	Sep.22.2021	AV Painting
Ceilings	5 Sep.23.2021	Sep.29.2021	∠ Ceilings
Light Fixtures	5 Sep.23.2021	Sep.29.2021	<i>M</i> ▼ Light Fixtures
Mechanical Trim	5 Sep.23.2021	Sep.29.2021	
Electrical Devices & Trim	3 Sep.30.2021	Oct.04.2021	Eléctrical Devices & Trim
Casework	7 Sep.30.2021	Oct.08.2021	
Plumbing Fixtures	5 Oct.11.2021	Oct.15.2021	
Markerboards	2 Oct.18.2021	Oct.19.2021	Image: Image: An and Amage: Amage
			Markerboards
Flooring	7 Oct.20.2021	Oct.28.2021	
Doors & Hardware	3 Oct.29.2021	Nov.02.2021	Doors & Hardware
Punchlist Completion	5 Nov.03.2021	Nov.09.2021	A Punchlist Completion
Science Room B	104 Nov.17.2021	Apr.11.2022	
Demolition	10 Nov.17.2021	Nov.30.2021	
Masonry Infill	5 Dec.01.2021	Dec.07.2021	🖉 Masonry Infill
Underground Sanitary	15 Dec.01.2021	Dec.21.2021	Underground Sanitary
Ductwork	15 Dec.22.2021	Jan.11.2022	
Plumbing Rough-ins	10 Dec.22.2021	Jan.04.2022	∠ Plumbing Rough-ins
Above Ceiling Piping	10 Jan.12.2022	Jan.25.2022	Above Ceiling Piping
Metal Stud Framing	5 Jan.26.2022	Feb.01.2022	∠ Above centing riphing
Electrical & Technology Rough-ins	5 Jan.26.2022	Feb.01.2022	
Drywall & Tape	10 Feb.02.2022	Feb.15.2022	Ilectrical & Technology Rough-ins
			∠ Drywall & Tape
Painting	10 Feb.16.2022	Mar.01.2022	Painting
Ceilings	5 Mar.02.2022	Mar.08.2022	<b>∆</b> ▼ Ceilings
Actual Work	2200	60 01 Hanovar 1	High School Additions and Renovations
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Critical Remaining Work		Revised G	Suideline Schedule Jul.26.21
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Actual Work	220060.04 Hanover High School Additions and Renovations	
Remaining Work     Critical Remaining Work	Revised Guideline Schedule Jul.26.21	
<ul> <li>Milestone</li> <li>Summary</li> </ul>	Page 7 of 14	

vity Name	Original Duration	Start	Finish	0004
				2021 2022 p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul
Light Fixtures	5	Mar.02.2022	Mar.08.2022	
-				∠ Light Fixtures
Mechanical Trim	5	Mar.02.2022	Mar.08.2022	🖉 Mechanical Trim
Electrical Devices & Trim	5	Mar.09.2022	Mar.15.2022	▲ Electrical Devices & Trir
Casework	5	Mar.09.2022	Mar.15.2022	<b>⊿</b> ⊽ Casework
Plumbing Fixtures	4	Mar.16.2022	Mar.21.2022	⊿ Plumbing Fixtures
Markerboards	2	Mar.22.2022	Mar.23.2022	Markerboards
Flooring	5	Mar.24.2022	Mar.30.2022	<b>∆</b> 7 Flooring
Doors & Hardware	3	Mar.31.2022	Apr.04.2022	Doors & Hardware
Punchlist Completion	5	Apr.05.2022	Apr.11.2022	A Punchlist Complet
Mechanical Room	73	Nov.01.2021	Feb.09.2022	Mechanical Room
Demolition	15	Nov.01.2021	Nov.19.2021	
Equipment Pads	5	Nov.22.2021	Nov.26.2021	🖉 Equipment Pads
Set Mechanical Room Equipment	3	Nov.29.2021	Dec.01.2021	Z Set Mechanical Room Equipment
Piping Rough-ins	10	Dec.02.2021	Dec.15.2021	<i>A</i> Piping Rough-ins
Electrical Rough-ins	10	Dec.02.2021	Dec.15.2021	Electrical Rough-ins
Set Rooftop Units and Chillers	5	Dec.16.2021	Dec.22.2021	▲ Set Rooftop Units and Chillers
Insulation	10	Dec.16.2021	Dec.29.2021	Insulation
Final Connections & Start-up	10	Dec.23.2021	Jan.05.2022	Final Connections & Start-up
Temperature Controls	30	Dec.30.2021	Feb.09.2022	∑ Temperature Controls
Punchlist Completion	5	Jan.06.2022	Jan.12.2022	△ Punchlist Completion
Shop Area	185	Apr.19.2022	Jan.02.2023	
Demolition	20	Apr.19.2022	May.16.2022	
Underground Sanitary	20	May.17.2022	Jun.13.2022	
Interior CMU Walls	30	Jun.14.2022	Jul.25.2022	
Electrical & Technology Rough-ins	30	Jun.14.2022	Jul.25.2022	
Plumbing Rough-ins	30	Jun.14.2022	Jul.25.2022	
Ductwork	30	Jun.14.2022	Jul.25.2022	

Actual Work	220060.04 Hanover High School Additions and Renovations	
Remaining Work		
Critical Remaining Work	Revised Guideline Schedule Jul.26.21	
♦ ♦ Milestone		
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Name	Original Duration	Start	Finish	2021 20								
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Above Ceiling Piping	10	Jul.26.2022	Aug.08.2022									
Metal Stud Framing	15	Jul.26.2022	Aug.15.2022									
Drywall & Tape	20	Aug.16.2022	Sep.12.2022									
Painting	20	Sep.13.2022	Oct.10.2022									
Ceilings	15	Oct.11.2022	Oct.31.2022									
Light Fixtures	15	Oct.11.2022	Oct.31.2022	_								
Mechanical Trim	15	Oct.11.2022	Oct.31.2022							  +++-           		
Electrical Devices & Trim	15	Nov.01.2022	Nov.21.2022	_								
Lockers	3	Nov.01.2022	Nov.03.2022									
Markerboards	3	Nov.01.2022	Nov.03.2022									
Tile	3	Nov.01.2022	Nov.03.2022									
Plumbing Fixtures	2	Nov.04.2022	Nov.07.2022							+- ++- +++ +++		
Interior Storefronts	2	Nov.04.2022	Nov.07.2022									
Toilet Accessories	1	Nov.08.2022	Nov.08.2022									
Flooring	20	Nov.22.2022	Dec.19.2022									
Doors & Hardware	5	Dec.20.2022	Dec.26.2022									
Punchlist Completion	5	Dec.27.2022	Jan.02.2023							  +++-           		
Music Rooms	105	Jun.07.2022	Oct.31.2022							Mus		
Demolition	10	Jun.07.2022	Jun.20.2022							🛆 Demoli		
Underground Sanitary	15	Jun.21.2022	Jul.11.2022	_						<u>∧</u> Un		
Floor In-Fill	10	Jul.12.2022	Jul.25.2022									
CMU Interior Walls	15	Jul.26.2022	Aug.15.2022									
Electrical & Technology Rough-ins	15	Jul.26.2022	Aug.15.2022	_								
Plumbing Rough-ins	15	Jul.26.2022	Aug.15.2022							Δ		
Ductwork	15	Jul.26.2022	Aug.15.2022	_								
Metal Stud Framing	15	Jul.26.2022	Aug.15.2022									
Above Ceiling Piping	10	Aug.02.2022	Aug.15.2022									

Remaining Work

Critical Remaining Work Milestone ٠

Summary

Revised Guideline Schedule Jul.26.21

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<i>v</i> ity Name	Original Duration	Start	Finish		20	)21							2022	2
				o Mar Apr			Aug Se	p Oct No	v Dec	Jan Feb	Mar Apr	May		
Drywall & Tape	10	Aug.16.2022	Aug.29.2022											
Painting	10	Aug.30.2022	Sep.12.2022											
Ceilings	10	Sep.13.2022	Sep.26.2022											
Light Fixtures	10	Sep.13.2022	Sep.26.2022											
Mechanical Trim	10	Sep.13.2022	Sep.26.2022			± <mark>-</mark>							LL_             	
Electrical Devices & Trim	5	Sep.27.2022	Oct.03.2022											
Casework	10	Sep.27.2022	Oct.10.2022											
Markerboards & Tackboards	5	Sep.27.2022	Oct.03.2022											
Plumbing Fixtures	5	Sep.27.2022	Oct.03.2022											
Flooring	15	Sep.27.2022	Oct.17.2022										          	
Acoustical Wall Panels	5	Sep.27.2022	Oct.03.2022											
Doors & Hardware	5	Oct.18.2022	Oct.24.2022											
Punchlist Completion	5	Oct.25.2022	Oct.31.2022											
Restrooms	39	Aug.16.2022	Oct.07.2022											
Ceilings		Aug.16.2022	Aug.22.2022			+ <mark>-</mark> -								
Tile	15	Aug.23.2022	Sep.12.2022											
Plumbing Fixtures	6	Sep.13.2022	Sep.20.2022	_										
Toilet Partitions	6	Sep.21.2022	Sep.28.2022											
Toilet Accessories	2	Sep.29.2022	Sep.30.2022											
Punchlist Completion	5	Oct.03.2022	Oct.07.2022						-+		       		             -       	+-
Art Rooms	40	Jun.07.2022	Aug.12.2022										Art R	Room
Demolition		Jun.07.2022	Jun.13.2022											
													🛆 De	moliti
Underground Sanitary	5	Jun.14.2022	Jun.20.2022										Δ U	nden
Masonry Infill	5	Jun.21.2022	Jun.27.2022										<b>⊿</b> 7 I	Maso
Electrical & Technology Rough-ins	5	Jun.21.2022	Jun.27.2022			<mark>-</mark> -							<b>⊿</b> 7 I	Elect
Plumbing Rough-ins	5	Jun.21.2022	Jun.27.2022										<b>/</b>	Plum
Ductwork	5	Jun.21.2022	Jun.27.2022										<b>⊿</b> 7 I	Duct
Above Ceiling Piping	5	Jun.28.2022	Jul.04.2022											Abc
Actual Work	<u> </u>	22000	50.04 Hanover H	ligh School 2	Addition	ns an	d Reno	ovations			1	1	I I	
Remaining Work				5										
Critical Remaining Work			Revised G	uideline Sc	nedule	e Jul.	26.21							
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Summary				1 uge 10 0j	14									$\sim$

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		Ceili	ngs					       			
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Metal Stud Framing	5	Jun.28.2022	Jul.04.2022								<b>⊿</b> Met	
Drywall & Tape	4	Jul.05.2022	Jul.08.2022								⊿Z Dry	
Painting	3	Jul.11.2022	Jul.13.2022								<b>⊠</b> Pa	
Unit Ventilators	2	Jul.14.2022	Jul.15.2022								🛛 Ur	
Ceilings	3	Jul.18.2022	Jul.20.2022								₽ 0	
Light Fixtures	3	Jul.18.2022	Jul.20.2022								<i>⊠</i> r L	
Mechanical Trim	3	Jul.18.2022	Jul.20.2022								<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	
Electrical Devices & Trim	5	Jul.21.2022	Jul.27.2022									
Casework	3	Jul.21.2022	Jul.25.2022									
Markerboards & Tackboards	3	Jul.21.2022	Jul.25.2022									
Plumbing Fixtures	1	Jul.21.2022	Jul.21.2022								🕱 F	
Interior Storefronts	1	Jul.26.2022	Jul.26.2022								<b>X</b>	
Flooring	5	Jul.27.2022	Aug.02.2022									
Doors & Hardware	3	Aug.03.2022	Aug.05.2022								Σ	
Punchlist Completion	5	Aug.08.2022	Aug.12.2022								4	
Classroom A	88	Jul.19.2021 A	Oct.27.2021			ssroom	A					
Above Ceiling Piping	10	Jul.19.2021 A	Aug.04.2021			oove Ce	iling Pipin	g				
Electrical & Technology Rough-ins	15	Jul.26.2021 A	Aug.11.2021			Electrica	I & Techn	ology Rou	gh-ins			
Plumbing Rough-ins	15	Jul.26.2021 A	Aug.11.2021			Plumbin	g Rough-i	ns		1 1 1 1 1 1 1 1		
Ductwork	15	Jul.26.2021 A	Aug.11.2021			Ductworl	ĸ					
Drywall & Tape	12	Aug.12.2021	Aug.27.2021			<b>7</b> Drywa	all & Tape					
Painting	14	Aug.30.2021	Sep.16.2021		·	Pa	ainting	L			LLL-                 	
Ceilings	6	Sep.17.2021	Sep.24.2021	_			Ceilings					
Light Fixtures	6	Sep.17.2021	Sep.24.2021				Light Fixtu	res				
Mechanical Trim	6	Sep.17.2021	Sep.24.2021				Mechanic	al Trim				
Electrical Devices & Trim	5	Sep.17.2021	Sep.23.2021			<b>A</b> (	Electrical [	Devices &	līrim			
Casework	8	Sep.27.2021	Oct.06.2021		· <b>-</b>		<b>/</b> Casewo	rk				

Actual Work	220060.04 Hanover High School Additions and Renovations	
Remaining Work		
Critical Remaining Work	Revised Guideline Schedule Jul.26.21	
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Markerboards & Tackboards	7 Sep.27.2021	Oct.05.2021	D Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun				
			Markerboards & Tackboards				
Flooring	7 Oct.07.2021	Oct.15.2021	🔊 Flooring				
Unit Ventilators	5 Oct.14.2021	Oct.20.2021	Unit Ventilators				
Window Replacement	6 Oct.14.2021	Oct.21.2021	Window Replacement				
Doors & Hardware	3 Oct.18.2021	Oct.20.2021	🖉 Doors & Hardware				
Punchlist Completion	5 Oct.21.2021	Oct.27.2021	Punchlist Completion				
Classroom B	81 Nov.04.2021	Feb.24.2022	Classroom B				
Demolition	10 Nov.04.2021	Nov.17.2021					
Masonry Infill	5 Nov.18.2021	Nov.24.2021	 ■ Masonry Infill				
Electrical & Technology Rough-ins	5 Nov.18.2021	Nov.24.2021	🔊 Electrical & Technology Rough-ins				
Plumbing Rough-ins	5 Nov.18.2021	Nov.24.2021	✓ Plumbing Rough-ins				
Ductwork	5 Nov.18.2021	Nov.24.2021	 ⊿▼ Ductwork				
Metal Stud Framing	10 Nov.18.2021	Dec.01.2021	Metal Stud Framing				
Window Replacement	6 Nov.18.2021	Nov.25.2021					
Above Ceiling Piping	5 Nov.25.2021	Dec.01.2021	Above Ceiling Piping				
Drywall & Tape	10 Dec.02.2021	Dec.15.2021	Drywall & Tape				
Painting	10 Dec.16.2021	Dec.29.2021	Paiņting				
Unit Ventilators	3 Dec.30.2021	Jan.03.2022	🖉 Unit Ventilators				
Ceilings	10 Jan.04.2022	Jan.17.2022	Ceilings				
Light Fixtures	10 Jan.04.2022	Jan.17.2022	Light Fixtures				
Mechanical Trim	10 Jan.04.2022	Jan.17.2022	AN Mechanical Trim				
Electrical Devices & Trim	5 Jan.18.2022	Jan.24.2022	Electrical Devices & Trim				
Casework	10 Jan.18.2022	Jan.31.2022	Casework				
Markerboards & Tackboards	5 Jan.18.2022	Jan.24.2022	Markerboards & Tackboards				
Flooring	10 Feb.01.2022	Feb.14.2022	Flooring				
Doors & Hardware	3 Feb.15.2022	Feb.17.2022	🖉 Doors & Hardware				
Punchlist Completion	5 Feb.18.2022	Feb.24.2022	Punchlist Completion				
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<ul> <li>Milestone</li> <li>Summary</li> </ul>			Page 12 of 14				

Classroom C       Image: Classroom C         Demolition       Image: Classroom C         Electrical & Technology Rough-ins       Image: Classroom C         Plumbing Rough-ins       Image: Classroom C         Ductwork       Image: Classroom C         Ductwork       Image: Classroom C         Metal Stud Framing       Image: Classroom C         Window Replacement       Image: Classroom C         Above Ceiling Piping       Image: Classroom C         Drywall & Tape       Image: Classroom C         Painting       Image: Classroom C	75         Mar.04.2022           10         Mar.04.2022           10         Mar.04.2022           5         Mar.18.2022           10         Apr.01.2022           10         Apr.08.2022           10         Apr.15.2022           10         Apr.29.2022           10         Apr.29.2022           10         Apr.29.2022           11         Apr.04.2022           12         May.04.2022           13         Apr.04.2022	Jun.16.2022         Mar.17.2022         Mar.24.2022         Mar.24.2022         Mar.31.2022         Mar.25.2022         Mar.25.2022         Apr.07.2022         Apr.14.2022         May.03.2022         May.05.2022         May.05.2022	2021       2022         I Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr M	2023 far Apr May Ju
DemolitionImage: constant of the second	10       Mar.04.2022         5       Mar.18.2022         5       Mar.18.2022         10       Mar.18.2022         10       Mar.18.2022         10       Mar.18.2022         10       Mar.18.2022         10       Mar.18.2022         11       Apr.01.2022         12       Apr.08.2022         10       Apr.15.2022         11       Apr.29.2022         12       May.04.2022         13       May.04.2022	Mar.17.2022         Mar.24.2022         Mar.24.2022         Mar.24.2022         Mar.31.2022         Mar.25.2022         Mar.25.2022         Apr.07.2022         Apr.14.2022         May.03.2022         May.05.2022	Classroom C         Image: Demolition	
DemolitionImage: constant of the second	Mar.18.2022           Mar.18.2022           Mar.18.2022           Mar.18.2022           Mar.18.2022           Mar.18.2022           Mar.18.2022           Mar.18.2022           Apr.01.2022           Apr.03.2022           Apr.29.2022           May.04.2022           May.04.2022           May.04.2022	Mar.24.2022         Mar.24.2022         Mar.31.2022         Mar.22.2022         Mar.25.2022         Apr.07.2022         Apr.14.2022         Apr.28.2022         May.03.2022         May.10.2022         May.05.2022	Electrical & Technology Rough-ins     Plumbing Rough-ins     Ductwork     Metal Stud Framing     S     Window Replacement     Move Ceiling Piping     Toywal & Tape     S     Pumbing     Unit Ventilators     S     Ceilings	
Plumbing Rough-ins       Image: Control of the second of the	Mar.18.2022           10         Mar.18.2022           10         Mar.18.2022           3         Mar.18.2022           6         Mar.18.2022           5         Apr.01.2022           5         Apr.03.2022           10         Apr.29.2022           11         Apr.29.2022           12         May.04.2022           13         May.04.2022	Mar.24.2022 Mar.31.2022 Mar.22.2022 Mar.25.2022 Apr.07.2022 Apr.14.2022 Apr.28.2022 May.03.2022 May.10.2022 May.05.2022	Electrical & Technology Rough-ins     Plumbing Rough-ins     Ductwork     Metal Stud Framing     S     Window Replacement     Move Ceiling Piping     Toywal & Tape     S     Pumbing     Unit Ventilators     S     Ceilings	
DuctworkMetal Stud FramingWindow ReplacementAbove Ceiling PipingDrywall & TapePaintingUnit VentilatorsCeilingsLight FixturesMechanical TrimElectrical Devices & TrimCaseworkMarkerboards & TackboardsFlooringDoors & HardwarePunchlist Completion	10         Mar.18.2022           10         Mar.18.2022           10         Mar.18.2022           10         Mar.18.2022           10         Mar.18.2022           10         Apr.01.2022           10         Apr.08.2022           10         Apr.15.2022           10         Apr.29.2022           11         May.04.2022           12         May.04.2022           13         May.04.2022	Mar.31.2022 Mar.22.2022 Mar.25.2022 Apr.07.2022 Apr.14.2022 Apr.28.2022 May.03.2022 May.10.2022 May.05.2022	Plumbing Rough-ins     Ductwork     ✓ Metal Stud Framing     ✓ Window Replacement     ✓ Above Ceiling Piping     ✓ Drywall & Tape     ✓ Painting     ✓ Unit Ventilators     ✓ Ceilings	
Metal Stud FramingWindow ReplacementAbove Ceiling PipingDrywall & TapePaintingUnit VentilatorsCeilingsLight FixturesMechanical TrimElectrical Devices & TrimCaseworkMarkerboards & TackboardsFlooringDoors & HardwarePunchlist Completion	Mar.18.2022           Mar.18.2022           Mar.18.2022           Apr.01.2022           Apr.08.2022           Apr.15.2022           Apr.29.2022           May.04.2022           May.04.2022           May.04.2022	Mar.22.2022 Mar.25.2022 Apr.07.2022 Apr.14.2022 Apr.28.2022 May.03.2022 May.10.2022 May.05.2022	Ductwork     D     Metal Stud Framing     Window Replacement     Above Ceiling Piping     Drywall & Tape     Drywall & Tap	
Window ReplacementImage: Constant of the second	Mar.18.2022           5         Apr.01.2022           5         Apr.08.2022           10         Apr.15.2022           3         Apr.29.2022           4         May.04.2022           2         May.04.2022           2         May.04.2022	Mar.25.2022 Apr.07.2022 Apr.14.2022 Apr.28.2022 May.03.2022 May.10.2022 May.05.2022	Window Replacement  Window Replacement  Above Ceiling Piping  Drywall & Tape  Painting  Unit Ventilators  C Ceilings	
Above Ceiling PipingIDrywall & TapeIPaintingIUnit VentilatorsICeilingsILight FixturesIMechanical TrimIElectrical Devices & TrimICaseworkIMarkerboards & TackboardsIFlooringIDoors & HardwareIPunchlist CompletionI	Apr.01.2022           5         Apr.08.2022           10         Apr.15.2022           3         Apr.29.2022           5         May.04.2022           2         May.04.2022           2         May.04.2022	Apr.07.2022         Apr.14.2022         Apr.28.2022         May.03.2022         May.10.2022         May.05.2022	Above Ceiling Piping	
Drywall & TapeImage: CompletionPaintingImage: CompletionUnit VentilatorsImage: CompletionCeilingsImage: CompletionLight FixturesImage: CompletionMechanical TrimImage: CompletionElectrical Devices & TrimImage: CompletionFlooringImage: CompletionPunchlist CompletionImage: Completion	5       Apr.08.2022         10       Apr.15.2022         3       Apr.29.2022         5       May.04.2022         2       May.04.2022         2       May.04.2022	Apr.14.2022 Apr.28.2022 May.03.2022 May.10.2022 May.05.2022	Drywall & Tape     Drywall	
PaintingUnit VentilatorsCeilingsLight FixturesMechanical TrimElectrical Devices & TrimCaseworkMarkerboards & TackboardsFlooringDoors & HardwarePunchlist Completion	10         Apr.15.2022           3         Apr.29.2022           5         May.04.2022           2         May.04.2022           2         May.04.2022	Apr.28.2022 May.03.2022 May.10.2022 May.05.2022	Painting Unit Ventilators Ceilings	
Unit VentilatorsCeilingsLight FixturesMechanical TrimElectrical Devices & TrimCaseworkMarkerboards & TackboardsFlooringDoors & HardwarePunchlist Completion	3         Apr.29.2022           5         May.04.2022           2         May.04.2022           2         May.04.2022           2         May.04.2022	May.03.2022 May.10.2022 May.05.2022	Unit Ventilators	
CeilingsLight FixturesMechanical TrimElectrical Devices & TrimCaseworkMarkerboards & TackboardsFlooringDoors & HardwarePunchlist Completion	5 May.04.2022 2 May.04.2022 2 May.04.2022	May.10.2022 May.05.2022		
Light Fixtures       Image: Completion         Mechanical Trim       Image: Completion         Electrical Devices & Trim       Image: Completion         Casework       Image: Completion	2 May.04.2022 2 May.04.2022	May.05.2022	┿ <mark>╴</mark> ╬╍╍╍╞╍╍╍╞╍╍╸╪╍╍╶╪╍╍╶╪╍╍╶╞╍╍╸╬╍╍╸╬╍╍╸╬╍╍╸╬╍╍╴╬╍╍╸╬╍╍╸╬╍╍╸╠╍╍╸╬╍╍╸╬╍╸╸╬╍╸╸╬╍╸╴╬╍╸╴╬╸	
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Electrical Devices & Trim Casework Markerboards & Tackboards Flooring Doors & Hardware Punchlist Completion		May.05.2022		i i i
Casework       Markerboards & Tackboards       Flooring       Doors & Hardware       Punchlist Completion	5 May 06 2022		🛛 Mechanical Trim	
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Flooring       Doors & Hardware       Punchlist Completion	7 May.11.2022	May.19.2022	Casework	
Doors & Hardware Punchlist Completion	5 May.11.2022	May.17.2022	▲ Markerboards & Tackboards	
Punchlist Completion	10 May.20.2022	Jun.02.2022	Flooring	
	5 Jun.03.2022	Jun.09.2022	🖉 Doors & Hardware	
Classroom D	5 Jun.10.2022	Jun.16.2022	Punchlist Completion	
	97 Jun.24.2022	Nov.07.2022	Classroom D	
Demolition	10 Jun.24.2022	Jul.07.2022		
Electrical & Technology Rough-ins	5 Jul.08.2022	Jul.14.2022	Electrical & Technology Rough-ins	
Plumbing Rough-ins	5 Jul.08.2022	Jul.14.2022		
Ductwork	5 Jul.08.2022	Jul.14.2022	Ductwork	
Window Replacement	5 Jul.08.2022	Jul.14.2022		
Floor In-fill	5 Jul.08.2022	Jul.14.2022	🖉 Floor In-fill	
Actual Work	2200	60.04 Hanover H	igh School Additions and Renovations	
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Actual Work	220060.04 Hanover High School Additions and Renovations	
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ity Name	Original Duration	Start	Finish	2021 2022			
				2021 2022 p Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul			
Masonry Infill	5	Jul.15.2022	Jul.21.2022				
Above Ceiling Piping	5	Jul.15.2022	Jul.21.2022				
Metal Stud Framing	10	Jul.22.2022	Aug.04.2022				
Drywall & Tape	10	Aug.05.2022	Aug.18.2022				
Painting	15	Aug.19.2022	Sep.08.2022				
Unit Ventilators	2	Sep.09.2022	Sep.12.2022				
Ceilings	10	Sep.13.2022	Sep.26.2022				
Light Fixtures	10	Sep.13.2022	Sep.26.2022				
Mechanical Trim	10	Sep.13.2022	Sep.26.2022				
Electrical Devices & Trim	5	Sep.27.2022	Oct.03.2022				
Casework	5	Sep.27.2022	Oct.03.2022				
Markerboards & Tackboards	5	Sep.27.2022	Oct.03.2022				
Flooring	15	Oct.04.2022	Oct.24.2022				
Doors & Hardware	5	Oct.25.2022	Oct.31.2022				
Punchlist Completion	5	Nov.01.2022	Nov.07.2022				
Classroom E	54	Nov.15.2022	Jan.27.2023	······································			
Demolition	8	Nov.15.2022	Nov.24.2022				
Electrical & Technology Rough-ins	5	Nov.25.2022	Dec.01.2022				
Window Replacement	3	Nov.25.2022	Nov.29.2022				
Painting	15	Dec.02.2022	Dec.22.2022				
Electrical Devices & Trim	5	Dec.23.2022	Dec.29.2022				
Casework	6	Dec.23.2022	Dec.30.2022				
Markerboards & Tackboards	5	Dec.23.2022	Dec.29.2022				
Flooring	10	Jan.02.2023	Jan.13.2023				
Doors & Hardware	5	Jan.16.2023	Jan.20.2023				
Punchlist Completion	5	Jan.23.2023	Jan.27.2023				

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Remaining Work	
Critical Remaining Work	
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# SECTION 09 67 22 RESINOUS FLOORING

# 1 General

#### 1.1 Summary

A. This Section includes slip-resistant epoxy-resin flooring.

#### 1.2 References

- A. ASTM D4258 Standard Practice for Surface Cleaning Concrete for Coating.
- B. ASTM D4263 Standard Test Method of Indicating Moisture in Concrete by the Plastic Sheet Method.
- C. ASTM D4541 Standard Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers.
- D. ASTM F1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- E. SSPC-SP7 Brush Off Blast Cleaning.

#### 1.3 Submittals

- A. Product Data: For each type of product specified. Include manufacturer's technical data, installation instructions, and recommendations for each resinous flooring component required.
- B. Samples for Verification: Of each resinous flooring system required, 6 inches square, applied by Installer for this Project to a rigid backing, in color, texture, and finish indicated. Where finishes involve normal color and texture variations, include Sample sets showing full range of variations expected.
- C. Installer Certificates: Signed by manufacturer certifying that installers have been trained and are approved by the manufacturer.
- D. Material Certificates: Signed by manufacturers certifying that materials furnished comply with requirements.
- E. Maintenance Data: For resinous flooring to include in maintenance manuals.

#### 1.4 Quality Assurance

A. Installer Qualifications: An installer with minimum 10 years experience who has specialized in installing resinous flooring similar in material, design, and extent to that indicated for this Project and who is acceptable to resinous flooring manufacturer.



- 1. Engage an installer who employs only persons trained and approved by resinous flooring manufacturer for installing resinous flooring systems specified.
- B. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, and sealing or finish coats, through one source from a single manufacturer. Provide secondary materials including patching and fill material, joint sealant, and repair materials of type and from source recommended by manufacturer of primary materials.
- C. Pre-Installation Conference: Conducted at project site and attended by all personnel including Architect, Contractor/Subcontractor, and Flooring Manufacturer Representative.

#### 1.5 Delivery and Storage

- A. Deliver coating materials to jobsite in their original, unopened containers with the proper, fully legible labels attached. Damaged containers shall not be used.
- B. Whenever possible, the work area and mixing area shall be covered from exposure to direct sunlight.
- C. Materials shall be stored in tightly sealed original containers in a dry place at temperatures between 65 and 80 degrees F.
- D. Flooring materials shall only be applied at temperatures between 45 and 85 degrees F.

#### 1.6 Safety

- A. All the preparation and application steps shall be in accordance with manufacturer's MSDS instructions as well as site conditions and applicable Federal, state and local rules, and regulations.
- B. Precautions shall be taken when working with these materials.
  - 1. Use materials only in adequately ventilated areas, keep away from open flames, and store in dry, covered areas.
  - 2. Urethane products may cause skin irritation in certain individuals.
  - 3. Workers shall always wear protective clothing, gloves, and eyewear when working with these products.

#### 1.7 Project Conditions

- A. Environmental Limitations: comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring installation.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring installation.



C. Close spaces to traffic during resinous flooring application and for not less than 24 hours after application, unless manufacturer recommends a longer period.

#### 1.8 Warranty

- A. Provide a written warranty covering materials and workmanship for a period of ten years from date of Substantial Completion.
- B. Warranty: Jointly signed by manufacturer and installer, without monetary limitation, in which manufacturer and installer agrees to repair or replace resinous flooring that fails in materials or workmanship within specified warranty period.

#### 2 Products

#### 2.1 Manufacturers

- A. Basis of Design Product: Materials manufactured by Sherwin Williams, Cinncinnati, OH) as indicated below:
  - 1. Sherwin Williams, General Polymers Ceramic Carpet #400, Cincinnati, Ohio.
- B. Other Approved Manufacturers:
  - 1. Robbins, Strata Quartz, Cincinnati, OH.
  - 2. Stonhard, Stoneshield SLT, Maple Shade, New Jersey.

#### 2.2 Materials

- A. Resinous Flooring: Penetrating 100 percent solids epoxy primer, 100 percent solids mortar consisting of epoxy resin, curing agent and colored quartz silica aggregate and seal coats.
  - 1. System: 1/8" decorative broadcast quartz aggregate
  - 2. Broadcast Coats: GP3561 + 5900F
  - 3. Epoxy Grout/Seal Coat: GP3746 clear.
  - 4. Crack Filler: GP3552 flexible epoxy or other flexible epoxy approved by SW.
  - 5. Sealant: Stampede sealant or other polyurethane sealant approved by SW.
  - 6. Fillers: Fumed silica and blended aggregates.
  - 7. Aggregate: Colored Quartz Aggregate.
  - 8. Aggregate: Colored Quartz Aggregate.



# 3 Execution

#### 3.1 Examination

- A. General: Do not apply resinous flooring for at least 28 days following installation of concrete floor slab to permit complete curing.
- B. Moisture Testing: Place a pre-weighted amount of anhydrous calcium chloride on a clean area of concrete slab and cover with a square of 6 mil plastic film, edges taped to the concrete surface. Leave plastic in place for 60 hours, or in accordance with printed instructions. Remove the plastic and measure the amount of moisture absorbed by the calcium chloride, converting it to pounds of moisture/ 1000 sf/ 24 hrs. Allowable moisture content shall not exceed 3 lbs/ 1000 sf/24 hrs. Test at the following rate:
  - 1. For areas of 2000 sf or less, a minimum of 3 tests; for each additional 1000 sf, provide one additional test.
  - 2. Conduct tests simultaneously one at center of room, and the others at perimeter, within five feet of walls. Submit written results to Architect and Owner's Representative for approval.

#### 3.2 Preparation

- A. General: Prepare and clean substrate according to resinous flooring manufacturer's written instructions. Provide clean, dry, and neutral substrate for resinous flooring application.
- B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
  - 1. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispensed shot within the apparatus, and recirculates the shot by vacuum pickup.
  - 2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written recommendations.
- C. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.
- D. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
- E. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written recommendations.

#### 3.3 Application

A. Primer: Install General Polymers 3579 clear two-component epoxy primer.



- B. First Base Coat: Mix 3561 at a ratio of 4:1 for three minutes. Apply at a rate of 130 square feet per gallon to prepared substrate with a notched squeegee or notched trowel. Back roll with a short-napped phenolic roller to assure even coverage.
- C. First Aggregate: Broadcast blended color quartz aggregate into wet epoxy base coat until refusal at a rate of approximately 40 pounds per 100 square feet. Maintain a one to two foot wet edge without any aggregate to allow for a smooth transition to the next pass of neat epoxy. Allow system to cure 8 to 12 hours @ 70°F. Remove excess aggregate and sand with circular floor sander to remove any rough spots.
- D. Second Base Coat: Mix 3561 at a ratio of 4:1 by volume for three minutes. Apply at a rate of 130 square feet per gallon to prepared substrate with a notched squeegee or notched trowel. Back roll with a short napped phenolic roller to assure even coverage.
- E. Second Aggregate: Broadcast blended color quartz aggregate into wet epoxy base coat until refusal at a rate of approximately 40 pounds per 100 square feet. Maintain a one to two foot wet edge without any aggregate to allow for a smooth transition to the next pass of neat epoxy. Allow system to cure 8 to 12 hours @ 70°F. Remove excess aggregate and sand with a circular floor sander to remove any rough spots.
- F. First Seal Coat: Mix 3746 at a ratio of 2:1 for three minutes. Apply first seal coat of 3746 at a rate of 160 square feet per gallon and allow to cure 8 to 12 hours
   @ 70°F or until tack free.
- G. Second Seal Coat: Mix 3746 at a ratio of 2:1 for three minutes. Apply second seal coat of 3746 at a rate of 200 square feet per gallon and allow to cure 24 hours @ 70°F before allowing foot traffic.

#### 3.4 Schedule

B. Product EP1: One Seal Coat Only

#### 3.5 Demonstration

A. Engage a factory-authorized service representative to train Owner's maintenance personnel in maintenance and cleaning of finish floor surface.

# END OF SECTION