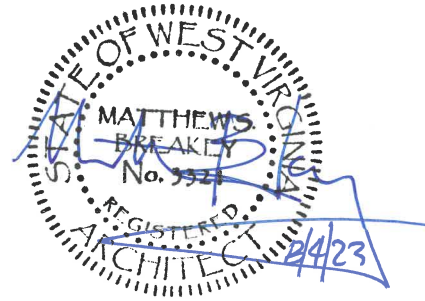




COMPLEX PROJECTS  
REQUIRE RESOLVE  
**THRASHER'S GOT IT**



**PRESTON COUNTY BOARD OF EDUCATION  
PRESTON COUNTY, WEST VIRGINIA**

**PROPOSED  
WEST PRESTON SCHOOL CLASSROOM RENOVATIONS & CONCESSION STAND**

**ADDENDUM #1  
AUGUST 4, 2023**

**THRASHER PROJECT #T60-11068**

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Wednesday, August 2, 2023, on the above-referenced project, a copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**

Pre-Bid Meeting Agenda is attached to this Addendum for reference.

The proposed calendar for Preston County Schools is attached to this Addendum.

**B. SPECIFICATIONS**

**ADD** Specification Section 071113 – BITUMINOUS DAMPPROOFING as attached to this Addendum.

**REPLACE** Specification Section 075323 – EPDM as attached to this Addendum.

**ADD** Specification Section 077100 – ROOF SPECIALTIES as attached to this Addendum.

**ADD** Specification Section 083313 – COILING COUNTER DOORS as attached to this Addendum.

**ADD** Specification Section 096519 – RESILIENT TILE FLOORING as attached to this Addendum.

**ADD** Specification Section 099000 – PAINTING as attached to this Addendum.

## **C. DRAWINGS**

Sheet AA1.01 – At Construction Notes – Classrooms **ADD** the following, “General: Patch / prep / paint all areas damaged by construction. Paint existing adjacent walls approx. 4’ at each interface with new construction as required to match existing. Assume 400 SF overall. Extent of painting to be determined during construction.

Sheet AB1.01 – Concessions Floor Plan 1/AB1.01 – **REPLACE** with revised plan 1/SK-2 as attached to this Addendum.

Sheet AB1.01 – **ADD** the Room Finish Schedule as attached to this Addendum.

Sheet AB2.01 – **REPLACE** Detail 6/AB2.01 with Detail 1/SK-3 as attached to this Addendum.

Sheet AB6.01 – At Door and Frame Schedule, Door 101A and 101D, Fire Rating **ADD** the note, “60 min.”

## **D. QUESTIONS AND RESPONSES**

**QUESTION 1.** Could you provide flooring specification or basis of design?

**ANSWER 1.** See Specification Section 096519 – RESILIENT TILE FLOORING as attached to this Addendum.

**QUESTION 2.** Could you provide paint specifications and limitations for the classroom renovations?

**ANSWER 2.** See Specification Section 099000 – PAINTING as attached to this Addendum.

**QUESTION 3.** On DB1.01 we are demoing existing downspout and storm line. Is this downspout to shed onto new EPDM roof?

**ANSWER 3.** Yes. Supplemental Detail is attached to this Addendum.

**QUESTION 4.** How far are we to demo the storm line? AB1.01 shows clean outs but no information on sizing of pipe. Please clarify.

**ANSWER 4.** Clarification provided in this Addendum.

**QUESTION 5.** Is there a lintel schedule?

**ANSWER 5.** Yes; refer to Sheet S200. Supplemental detail of lintel with masonry infill attached to this Addendum.

**QUESTION 6.** On AB5.01 detail 4 calls for bituminous waterproofing, there is no specification. Please clarify if needed?

**ANSWER 6.** See Specification Section 071113 – BITUMINOUS DAMPPROOFING as attached to this Addendum.

**QUESTION 7.** Detail 4 on AB5.01 also shows foundation drain does this tie into storm?

**ANSWER 7.** No. Intent is to extend to bank on opposite side of service drive and daylight. See Site Plan as attached to this Addendum.

**QUESTION 8.** AB6.01 calls for coiling shutter doors to be aluminum but detail 5/AB2.01 calls stainless. Is there a specification available? Please clarify.

**ANSWER 8.** Coiling shutter doors shall be stainless steel. See Specification 083313 – COILING COUNTER DOORS as attached to this Addendum.

**QUESTION 9.** Drawing M1.01 calls for sanitary to see site plan for continuation. Is there a site plan?

**ANSWER 9.** See Site Plan and associated details as attached to this Addendum.

**QUESTION 10.** Are there any finish schedules?

**ANSWER 10.** See Room Finish Schedule as attached to this Addendum.

**QUESTION 11.** Is there a specification for the stainless steel worktables?

**ANSWER 11.** Sizes and Basis-of-Design information provided in this Addendum.

**QUESTION 12.** Is there any asphalt per specification?

**ANSWER 12.** Asphalt shall be WVDOH Type I and II with Class I base over geotextile fabric. See supplemental details attached to this Addendum.

**QUESTION 13.** Could you provide details/information on the Stormwater Conveyance Specification 334200?

**ANSWER 13.** See Site Plan and associated details as attached to this Addendum.

**QUESTION 14.** Please clarify the minimum insulation thickness for the roofing system.

Drawings mention 3” minimum, but the spec lists 1.5” minimum.

**ANSWER 14.** 3” minimum + that required for sloping insulation. See revised Specification Section 075323 - EPDM ROOFING as attached to this Addendum.

**QUESTION 15.** Please clarify which membrane is desired. Spec shows both 0.060” reinforced and then a fleecy-back product.

**ANSWER 15.** EPDM shall be 0.60” nonreinforced. See revised Specification Section 075323 - EPDM ROOFING as attached to this Addendum.

**QUESTION 16.** Please clarify if a coverboard is desired over the tapered insulation.

**ANSWER 16.** Not required. See revised Specification Section 075323 - EPDM ROOFING as attached to this Addendum.

**QUESTION 17.** What type and thickness of edge metals are desired for the gravel stop, termination bar cover and collector box/down spout.

**ANSWER 17.** See Specification Section 077100 – ROOF SPECIALTIES as attached to this Addendum.

## 1. CLARIFICATIONS

1. Basis of Design product data for the Concession sink, plumbing fixtures and tables are attached to this Addendum for reference.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 1:30 p.m. on Wednesday, August 16, 2023, at the Preston County Board of Education, located at 731 Preston Drive Kingwood, WV 26537. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.

A handwritten signature in blue ink, appearing to read 'K. Blackwood', written in a cursive style.

Kenton Blackwood  
Project Manager

PRESTON COUNTY BOARD OF EDUCATION  
 PRESTON COUNTY, WEST VIRGINIA  
 PROPOSED

WEST PRESTON SCHOOL CLASSROOM RENOVATIONS & CONCESSION STAND

MANDATORY PRE-BID CONFERENCE  
 Wednesday, August 2, 2023

Thrasher Project #T60-11068

Name	Representing	Phone #	Email Address
KAYTON BLACKWOOD	THRASHER		
Gendall Fenney	Thrasher		
MATH MURRAY	Preston County	304-698-1033	m/murray @ K12.WV.US
JEFF ROBERTS	LOMBARDI DEVELOPMENT	304-670-0560	JEFF@LOMBARDICOMPANIES.COM JEENIE@LOMBARDICOMPANIES.COM
Marty Turner	Veritas Contracting	304-598-2285	bideveritaswv.com
Adam Featheres	March Westin	304.599.4880	estimating@marchwestin.com a.featheres@marchwestin.com
J DONAHOE	CALIBER CONTRACTING (64)	412-639-1912	J.DONAHOE@CALIBERCONTRACTINGSERVICES.COM
Ken Raulston	All-in-One Piping	304.517.6746	Ken@a1pipingwv.com

**PRESTON COUNTY BOARD OF EDUCATION  
PRESTON COUNTY, WEST VIRGINIA  
PROPOSED  
WEST PRESTON SCHOOL CLASSROOM RENOVATIONS & CONCESSION STAND  
MANDATORY PRE-BID CONFERENCE AGENDA**

**ARCHITECTS PROJECT #:** T60-11068

**DATE OF CONFERENCE:** Wednesday, August 2, 2023

**CONFERENCE LOCATION:** Preston County Board of Education  
731 Preston Drive  
Kingwood, WV 26537

**I. Introductions**

- Kenton Blackwood – The Thrasher Group, Inc. kqblackwood@thethrashergroup.com
- Cendall Tenney – The Thrasher Group, Inc. ctenney@thethrashergroup.com
- Matt Murray – Preston County Schools - mlmurray@k12.wv.us

**II. General Project Description**

- Renovations at existing classrooms shall include installation of new metal stud and drywall partitions, new classroom entry doors, and some limited work at the ceilings and finishes. The Concession Stand work is an addition onto the exiting building and will include new doors, roll-down window, stainless steel countertops and sills, and some limited site and utility work.

**III. Bidding Information**

**a. General**

- Substantial Completion: 150 calendar days from Notice to Commence
- Project Closeout: Within thirty days thereafter
- Bids for the construction of the Project will be received at the Preston County Board of Education located at 731 Preston Drive, Kingwood, WV 26537 until Wednesday, August 16, 2023, at 1:30pm. At that time the Bids received will be publicly opened and read.

***Bids not received by 1:30 p.m. on August 16, 2023 will not be accepted, no exceptions.***

Liquidated Damages are set at **\$750/Per Day**.

- **Obtaining Bid Documents:**

Information and bidding documents, for the project. Can be found at the following designated websites:

<https://tinyurl.com/zu5z8553> or [www.thethrashergroup.com](http://www.thethrashergroup.com)

Bid Documents may be downloaded from the designated website. Perspective Bidders are urged to register with the designated website as a plan holder. The designated websites will be updated periodically with addenda, lists of registered plan holders, reports, and other information relevant to submitting a bid for this project. Neither Owner nor Architect/Engineer will be responsible for Bidding Documents, including addenda, if any, obtained from sources other than the designated websites.

**b. Bid Opening Requirements (Pay attention to full list)**

A two-envelope system will be used. Envelope No. 1 will be opened first and the Bid Opening Requirement items checked for compliance, as outlined in the Bid Opening Requirement Checklist specification section. If such documents are found to be in order, sealed Envelope No. 2 “Bid Proposal”, which shall also be placed inside Envelope No. 1, will then be opened and publicly read aloud. If the documents required to be contained in Envelope No. 1 are not in order, Envelope No. 2 “Bid Proposal” will not be opened, and the bid will be considered non-responsive and returned to the Bidder. At the time, the Owner will declare the Bidder non-responsive. The lowest responsive, responsible Bidder shall be the Bidder who has completed all the requirements of the “Bid Opening Requirements” and has the lowest total bid.

**IV. Method of Award** – Award will be made from lowest total bid

**V. B & O Taxes** – No.

**VI. Building Permit** – No.

**VII. Addressing Questions**

All questions that wish to be answered via addendum must be submitted in writing to architect, our contact information is below. Any questions not submitted in writing will not be addressed via addendums and are at the risk of the contractor to include in the bid pricing.

All questions must be submitted in writing to:

- Kenton Blackwood [kqblackwood@thethrashergroup.com](mailto:kqblackwood@thethrashergroup.com)
- Tesla Smith [tdsmith@thethrashergroup.com](mailto:tdsmith@thethrashergroup.com)

## VIII. Addendum

- After today's pre-bid meeting we will issue Addendum #1, it will be issued on Friday, August 4, 2023, with a copy of today's sign in sheet. Any questions that are submitted after today's meeting will be addressed in Addendum #2. We ask that all final questions to be addressed by addendum be submitted by 4 PM on August 9, 2023.

## IX. Miscellaneous

- a. Scheduling / Work Limitations:** As the construction will occur during periods of time when school is 'in-session' the contractor will have to coordinate interior construction activities with the Owner so as not to interfere with daytime operations. Contractor will have the option of working after-hours, when the students have left between 2:30 and 3pm, on weekends, or during holiday breaks. A schedule of school activities will be attached the Addendum.
- b. Temporary Facilities:** A temporary dust enclosure; 2x4 framing with plastic sheeting will need to be erected in the existing cafeteria when demolition and construction activities occur, such as cutting into the existing masonry, etc.

## X. Owner Comments

## XI. Questions

Question: Is a cost estimate available?

Answer: A preliminary estimate was developed but it will not be made available to bidders.

Question: What is required for the bracing of the existing walls where new openings are being created?

Answer: Per Div 1 requirements, the Contractor is responsible for temporary shoring and bracing, including engineering of same.

- XII.** After the Pre-Bid meeting at the BOE Offices, attendees visited West Preston School and walked the areas of proposed construction.



# 2023-2024 School Calendar



July 2023						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August 2023						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September 2023						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October 2023						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November 2023						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December 2023						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

- Staff Development/No Students
- Staff Prep. Day
- 2 Hour Early Out - Staff Meetings

August 16 - 17	Staff Development
August 18	Teacher Work Day
August 21 - 23	Staggered Start
August 24	Grades 1-12 Attend
August 25	Staff Development
August 28	First Day of Pre- K and Kindergarten
September 4	No School - Labor Day
September 28	2 Hour Early Out
September 29	No School - Buckwheat Festival
October 27	No School - Staff Development
November 10	No School - Veterans Day
Nov. 20-24	No School - Thanksgiving Week
December 22	2 Hour Early Out
December 25-29	No School - Christmas Break
January 1	No School - New Year's Day
January 2	No School - Staff Development
January 12	2 Hour Early Out
January 15	No School - MLK Day
February 19	No School - Staff Development
March 15	2 Hour Early Out
March 29	No School - Good Friday
April 1 - 2	No School Easter Break
April 3	No School - Staff Development
April 24	No School - Staff Development
May 14	No School - Election Day
May 24	Possible Last Day of School
May 27	No School - Memorial Day
May 28	Teacher Work Day

### Faculty Senate Meetings

8/18, 10/27, 12/22, 2/19, 4/24

### Test Dates

SAT 11th Grade April ?

WVGSAs (Grades 3-8) May 6-10

### Possible Snow Day Make Ups

April 1, 2, 3, May 13, May 28 - June??

## Preston High Graduation - May 23

In the event schools are closed due to weather or other emergencies, this calendar is subject to change.

January 2024						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2024						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

March 2024						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2024						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2024						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2024						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

- No School PreK - 12
- District Offices Closed
- First Day/Possible Last Day of School

Preston County School District 731 Preston Drive Kingwood WV 26537

(304) 329-0580 www.prestonboe.com

# SCHOOL CALENDAR - 2023-2024 School Year

For Preston County Schools

Using Equivalent Time Option:

WYBS: 070

Month	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Instructional Days	Compensated Not Taught Days	Total Employment Days								
First	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	18	4	20
Second	5/15	5/22	5/29	6/05	6/12	6/19	6/26	7/03	7/10	7/17	7/24	7/31	8/07	8/14	8/21	8/28	9/04	9/11	9/18	9/25	10/02	10/09	10/16	10/23	10/30	11/06	11/13	11/20	11/27	12/04	12/11	12/18	12/25	1/01	1/08	1/15	1/22	1/29	19	1	20
Third	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	20	0	20
Fourth	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	19	2	20
Fifth	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	17	3	20
Sixth	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	19	1	20
Seventh	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	20	0	20
Eighth	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	17	3	20
Ninth	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	20	0	20
Tenth	8/15	8/22	8/29	9/05	9/12	9/19	9/26	10/03	10/10	10/17	10/24	10/31	11/07	11/14	11/21	11/28	12/05	12/12	12/19	12/26	1/02	1/09	1/16	1/23	1/30	2/06	2/13	2/20	2/27	3/06	3/13	3/20	3/27	4/03	4/10	4/17	4/24	5/01	14	6	20

**School Holidays Within Instructional Term**  
 (West Virginia Code §18A-6-6)  
 September 4, Labor Day  
 September 10, Veterans Day  
 November 23, Thanksgiving Day  
 December 26, Christmas Day  
 January 1, New Years Day  
 January 18, Martin Luther King Jr.'s Birthday  
 May 14, Election Day  
 May 27, Memorial Day

**Professional Learning**  
 04/24/2024  
 10/27/2023  
 08/28/2023  
 04/03/2024  
 02/19/2024

**Faculty Senate Meetings**  
 08/18/2023 1st Meeting  
 10/27/2023 2nd Meeting  
 12/22/2023 3rd Meeting  
 03/19/2024 4th Meeting  
 04/24/2024 5th Meeting  
 05/28/2024 6th Meeting

**Non-Instructional Days - Backup**  
 CD 3 Curriculum Development  
 P 7 Preparation for Opening/Closing Schools  
 TP 1 Teacher-Parent Conferences  
 O 9 Outside School Environment  
 E 5 Primary/General Election  
 H 7 Holidays  
 PM 9 Professional Learning  
 FL 4 Professional Learning  
 FS 6 Faculty Senate  
**Total Non-Instructional Days: 20**

**Out-of-Calendar (Non-year) Days**  
 0 Out of Calendar Days  
 Maximum number of out-of-calendar days possible is 40 in order that the 200 day employment term does not exceed 46 weeks. Out-of-calendar days must be used to make-up cancelled instructional days, if non-instructional days are not adequate, however, since June 20th is a school holiday, it cannot be used for make-up if its use causes the total number of holidays to exceed seven.

**First and Last Dates**  
 First day employment term: \_\_\_\_\_  
 First day instructional term: \_\_\_\_\_  
 First day of student instruction: \_\_\_\_\_  
 Last day of second month: \_\_\_\_\_  
 Last day first semester: \_\_\_\_\_  
 Last day instructional term: \_\_\_\_\_  
 Last day employment term: \_\_\_\_\_

**Date of Graduation**  
 School: \_\_\_\_\_  
 School: \_\_\_\_\_  
 School: \_\_\_\_\_  
 School: \_\_\_\_\_

Graduation date: \_\_\_\_\_  
 Graduation date: \_\_\_\_\_  
 Graduation date: \_\_\_\_\_  
 Graduation date: \_\_\_\_\_

Name of County Superintendent: \_\_\_\_\_  
 Date: \_\_\_\_\_



STAINLESS STEEL  
**WORK TABLES**

**ADDENDUM NO. 1  
BASIS-OF-DESIGN  
REFERENCE**

**PREMIUM Series - Flat Top - UNDERSHELF Style**



Item #: \_\_\_\_\_ Qty #: \_\_\_\_\_  
 Model #: \_\_\_\_\_  
 Project #: \_\_\_\_\_



**Rolled Rim Edges  
on Front & Back and  
Square Side Edges**



*Featuring as Standard:*  
**“THE PROVEN”**  
ORIGINAL ADVANCE TABCO  
**Adjustable Undershelf  
with Die Cast Leg Clamp**

**FEATURES:**

Top is furnished with 1-5/8" sanitary rolled rim edges on front & back and square side edges.

To reinforce and maintain a level working surface, 24" wide tables are supplied with TWO hat channels and 30" and 36" wide tables are supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts & bolts. Undershelf is adjustable.

**CONSTRUCTION:**

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

**MATERIAL:**

**SS-SERIES: Stainless Steel Legs & Undershelf**

**TOP:** 14 gauge stainless steel type "304" series.

**SHELF:** 18 gauge stainless steel.

**LEGS:** 1 5/8" diameter tubular stainless steel.  
1" adjustable **stainless steel** bullet feet.  
Stainless steel gussets.

**GLG-SERIES: Galvanized Legs & Undershelf**

**TOP:** 14 gauge stainless steel type "304" series.

**SHELF:** 18 gauge galvanized steel.

**LEGS:** 1 5/8" diameter tubular galvanized steel.  
1" adjustable plastic bullet feet.  
Galvanized steel gussets.

**SS-Series:  
Stainless Steel Legs & Undershelf**

L	24" Wide	30" Wide	36" Wide
30"	SS-240	SS-300	
24"	SS-242	SS-302	SS-362
	SS-243	SS-303	SS-363
	SS-244	SS-304	SS-364
60"	SS-245	SS-305	SS-365
72"	SS-246	SS-306	SS-366
84"	SS-247	SS-307	SS-367
96"	SS-248	SS-308	SS-368
108"	SS-249	SS-309	SS-369
120"	SS-2410	SS-3010	SS-3610
132"	SS-2411	SS-3011	SS-3611
144"	SS-2412	SS-3012	SS-3612

**GLG-Series:  
Galvanized Steel Legs & Undershelf**

L	24" Wide	30" Wide	36" Wide
30"	GLG-240	GLG-300	
24"	GLG-242	GLG-302	GLG-362
36"	GLG-243	GLG-303	GLG-363
48"	GLG-244	GLG-304	GLG-364
60"	GLG-245	GLG-305	GLG-365
72"	GLG-246	GLG-306	GLG-366
84"	GLG-247	GLG-307	GLG-367
96"	GLG-248	GLG-308	GLG-368
108"	GLG-249	GLG-309	GLG-369
120"	GLG-2410	GLG-3010	GLG-3610
132"	GLG-2411	GLG-3011	GLG-3611
144"	GLG-2412	GLG-3012	GLG-3612

SEE DRAWINGS FOR SIZES.



Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 7:00 pm E.S.T.

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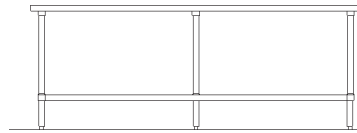
# DIMENSIONS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL ± .500"

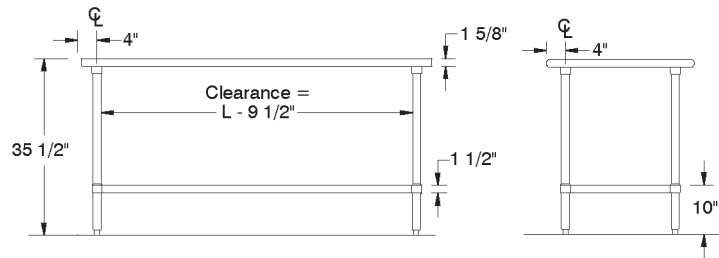
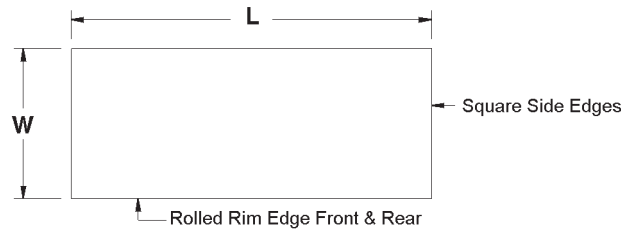
All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

## SS & GLG Series Undershelf Style FLAT TOP

Finished size of undershelf = Length minus 5 3/4"  
Width minus 5 3/4"



Units 8 ft. and larger are furnished with six (6) legs



### SS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	SS-240	60 lbs.	SS-300	67 lbs.		
			SS-302	54 lbs.	SS-362	75 lbs.
			SS-303	74 lbs.	SS-363	80 lbs.
			SS-304	92 lbs.	SS-364	100 lbs.
60"	SS-245	92 lbs.	SS-305	112 lbs.	SS-365	122 lbs.
72"	SS-246	108 lbs.	SS-306	132 lbs.	SS-366	142 lbs.
84"	SS-247	128 lbs.	SS-307	149 lbs.	SS-367	165 lbs.
96"	SS-248	158 lbs.	SS-308	175 lbs.	SS-368	195 lbs.
108"	SS-249	245 lbs.	SS-309	286 lbs.	SS-369	305 lbs.
120"	SS-2410	295 lbs.	SS-3010	333 lbs.	SS-3610	338 lbs.
132"	SS-2411	320 lbs.	SS-3011	351 lbs.	SS-3611	373 lbs.
144"	SS-2412	345 lbs.	SS-3012	379 lbs.	SS-3612	400 lbs.

SEE DRAWINGS FOR SIZES.

### GLG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	GLG-240	60 lbs.	GLG-300	67 lbs.		
24"	GLG-242	45 lbs.	GLG-302	54 lbs.	GLG-362	75 lbs.
36"	GLG-243	65 lbs.	GLG-303	74 lbs.	GLG-363	80 lbs.
48"	GLG-244	78 lbs.	GLG-304	92 lbs.	GLG-364	100 lbs.
60"	GLG-245	92 lbs.	GLG-305	112 lbs.	GLG-365	122 lbs.
72"	GLG-246	108 lbs.	GLG-306	132 lbs.	GLG-366	142 lbs.
84"	GLG-247	128 lbs.	GLG-307	149 lbs.	GLG-367	165 lbs.
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132"	GLG-2411	320 lbs.	GLG-3011	351 lbs.	GLG-3611	373 lbs.
144"	GLG-2412	345 lbs.	GLG-3012	379 lbs.	GLG-3612	400 lbs.



Item #: 600S217172G Project: \_\_\_\_\_

Qty: \_\_\_\_\_ Date: \_\_\_\_\_ Approval: \_\_\_\_\_

## Regency 72" 16-Gauge Stainless Steel Two Compartment Commercial Sink with Galvanized Steel Legs and 2 Drainboards - 17" x 17" x 12" Bowls

Item #600S217172G



### Technical Data

Length	72 Inches
Width	22 13/16 Inches
Height	44 3/4 Inches
Drainboard Length	18 Inches
Bowl Depth	12 Inches
Backsplash Height	10 3/4 Inches
Work Surface Height	34 3/4 Inches
Basket Drain Size	3 1/2 Inches
Bowl Front to Back	17 Inches
Bowl Left to Right	17 Inches
Faucet Centers	8 Inches
Features	NSF Listed
Gauge	16 Gauge
Leg Construction	Galvanized Steel
Material	Stainless Steel
Number of Compartments	2 Compartments
Number of Drainboards	2 Drainboards
Stainless Steel Type	Type 304
Style	2 Drainboards

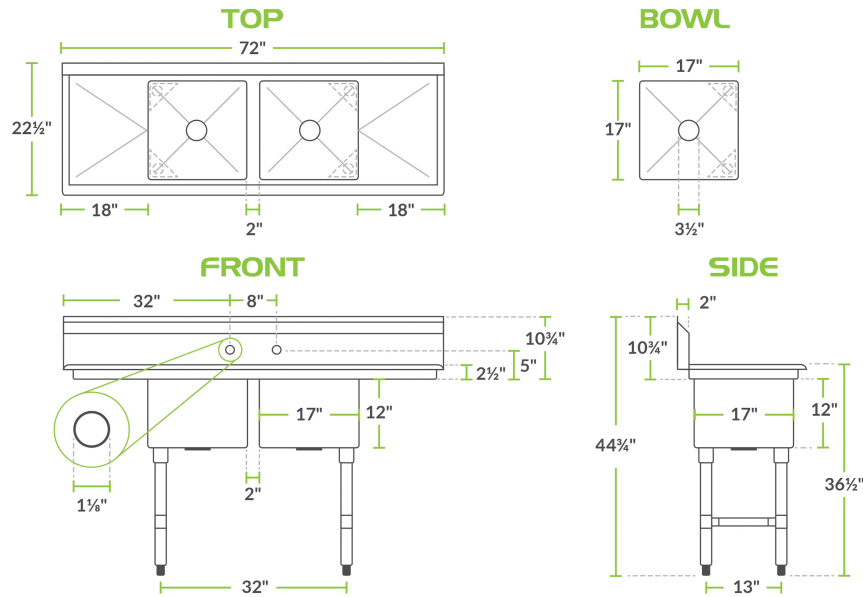
### Features

- Made of high-quality 16-gauge type 304 stainless steel
- Galvanized 1 5/8" steel legs with sockets and adjustable bullet feet for added stability
- Faucet holes pre-punched (faucet sold separately)
- 3 1/2" IPS drain connections
- Rolled edge contains splashes and overflow

### Certifications



## Plan View



## Notes & Details

Wash dishes with ease when you use this 72" two compartment prep / pot sink with two drainboards from Regency Tables and Sinks. Made of high-quality 16-gauge type 304 stainless steel for reliable service, this gauge is thicker and much more durable than many similar sinks available that are made of 18-gauge stainless steel. Additionally, type 304 stainless steel is exceptionally corrosion-resistant and easy to clean!

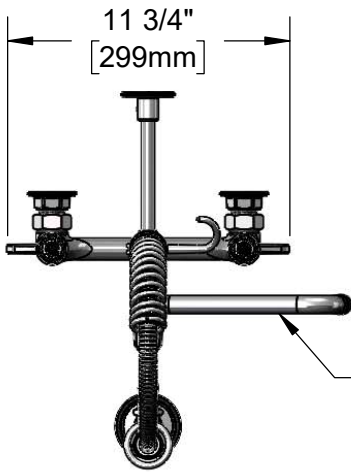
Each compartment offers rounded corners and ample space to either wash, rinse, or sanitize your dishes as needed. In addition, each drain includes a 3 1/2" basket strainer to eliminate the possibility of clogging. By regularly maintaining your drainage system, you will cut down on possible service and replacements costs.

Thanks to the high backsplash, water splashes will be confined inside the sink and then directly drip down into the drain. This added feature helps maintain the integrity of your wall and floor to keep your establishment in its best condition. Plus, this hand sink has two holes pre-punched to accept the faucet of your choice (sold separately). The deck height is approximately 34".

**⚠ WARNING:** This product can expose you to chemicals including Nickel and Lead, which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

*This Space for Architect/Engineer Approval*

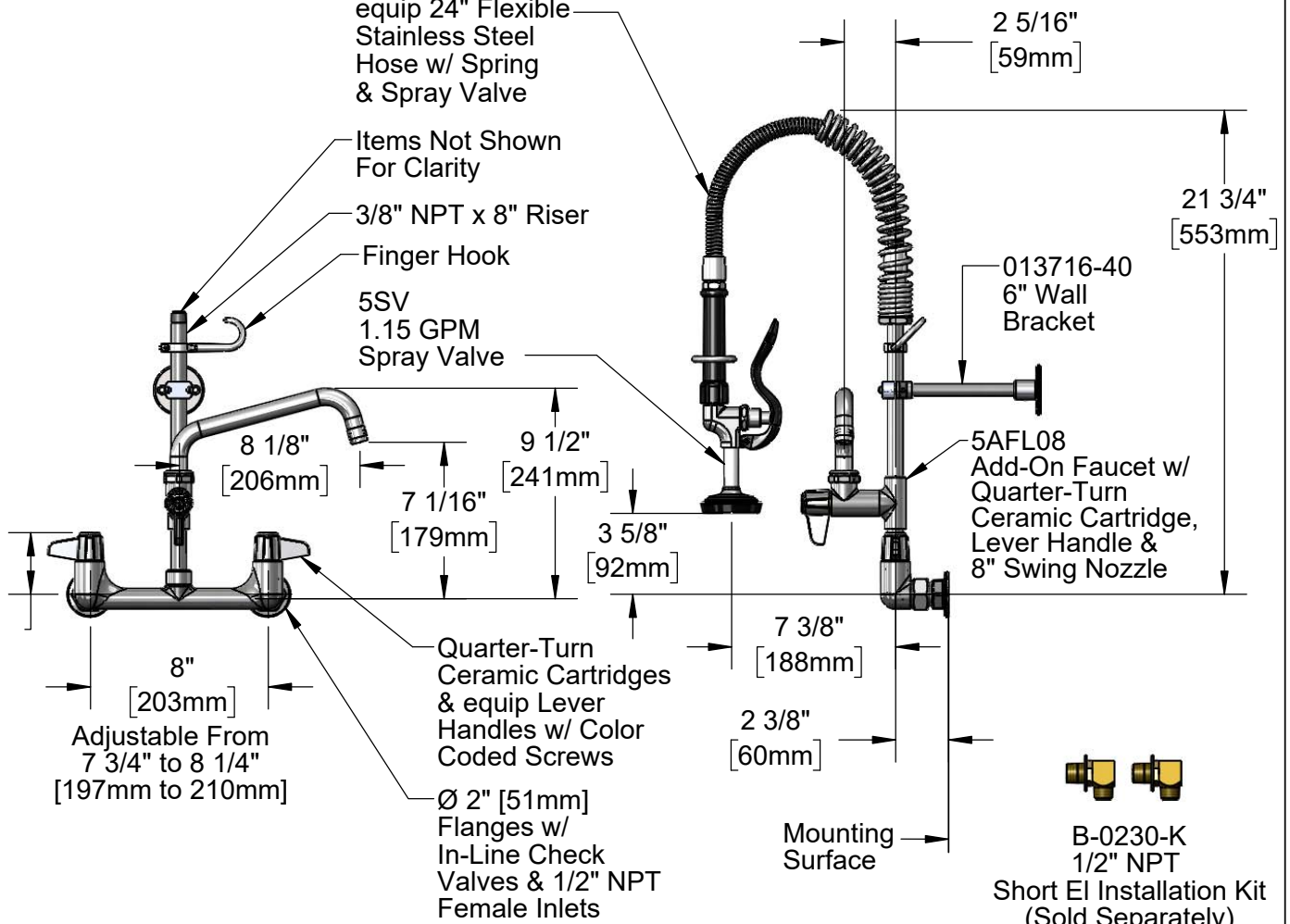
Job Name \_\_\_\_\_ Date \_\_\_\_\_  
 Model Specified \_\_\_\_\_ Quantity \_\_\_\_\_  
 Customer/Wholesaler \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Architect/Engineer \_\_\_\_\_



5SP-08  
8" Swing Nozzle  
w/ Laminar  
Flow Device

equip 24" Flexible  
Stainless Steel  
Hose w/ Spring  
& Spray Valve

Items Not Shown  
For Clarity  
3/8" NPT x 8" Riser  
Finger Hook  
5SV  
1.15 GPM  
Spray Valve



Model Number  
**5MPH-8WLN-08**

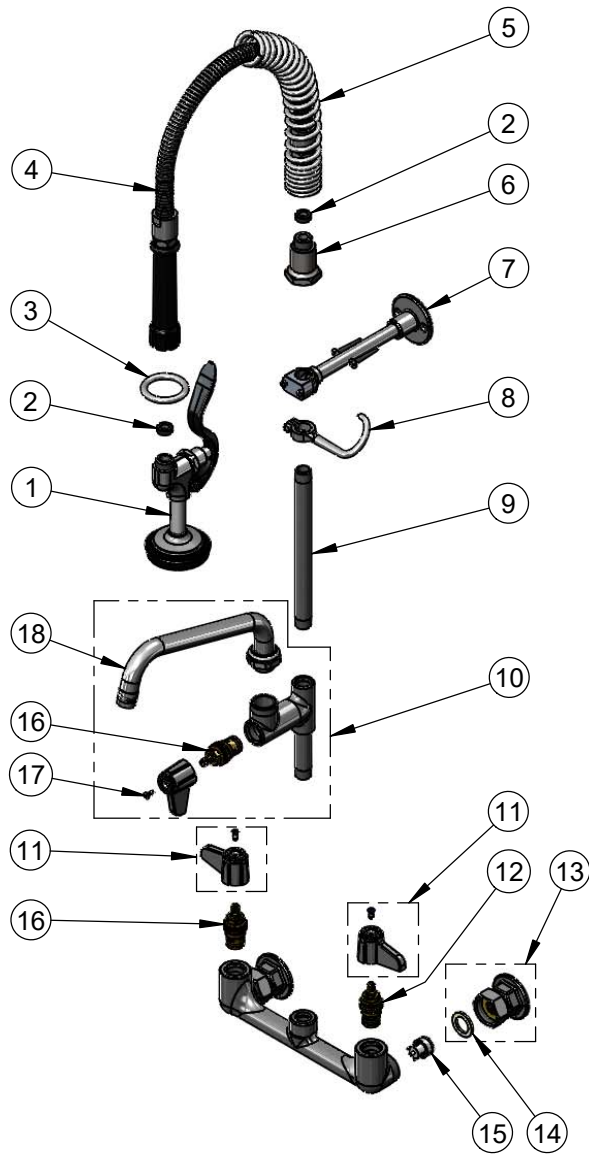
Product Compliance:  
 ASME A112.18.1 / CSA B125.1  
 NSF 61 - Section 9  
 NSF 372 (Low Lead Content)  
 2019 DOE PRSV - Class II

Product Specifications:  
 Pre-Rinse Unit: 8" Wall Mount Mixing Faucet w/ Quarter-Turn Ceramic Cartridges, Add-On Faucet w/ 8" Swing Nozzle, 1.15 GPM Spray Valve, 6" Wall Bracket, In-Line Check Valves & 1/2" NPT Female Inlets

equip  
Foodservice  
Accessories

2 Saddleback Cove, P.O. Box 1088  
 Travelers Rest, South Carolina 29690  
 Phone: 800.891.4808 Fax: 800.868.0084  
 equip.tsbrass.com

ITEM NO.	SALES NO.	DESCRIPTION
1	5SV	equip 1.15 GPM Spray Valve
2	010476-45	#27 Washer
3	000907-45	Spray Valve Hold Down Ring
4	5HSE24	24" Flexible Stainless Steel Hose
5	016795-45	Compact Spring
6	000821-40	Spring Body
7	013716-40	6" Wall Bracket
8	004R	Finger Hook
9	078X	Nipple, 3/8" NPT x 8"
10	5AFL08	Add-On Faucet w/ 8" Swing Nozzle
11	5-HDL-L	equip Lever Handle w/ Color Coded Screws
12	013788-45	equip Quarter-Turn Ceramic Cartridge, LTC
13	00AA	1/2" NPT Female Eccentric Flange
14	001019-45	Coupling Nut Washer
15	013840-45	20mm Check Valve (2)
16	013787-45	equip Quarter-Turn Ceramic Cartridge, RTC
17	013849-45	Handle Screw (10)
18	5SP-08	equip 8" Swing Nozzle



Model Number  
**5MPH-8WLN-08**

Product Compliance:  
ASME A112.18.1 / CSA B125.1  
NSF 61 - Section 9  
NSF 372 (Low Lead Content)  
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Product Specifications:  
Pre-Rinse Unit: 8" Wall Mount Mixing Faucet w/ Quarter-Turn Ceramic Cartridges, Add-On Faucet w/ 8" Swing Nozzle, 1.15 GPM Spray Valve, 6" Wall Bracket, In-Line Check Valves & 1/2" NPT Female Inlets

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T60-11068

## SECTION 071113 - BITUMINOUS DAMPPROOFING

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Cold-applied, emulsified-asphalt dampproofing.

#### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.

### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. VOC Content: Products shall comply with VOC content limits of authorities having jurisdiction unless otherwise indicated.

#### 2.2 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. APOC, Inc; a division of Gardner Industries.
  - 2. BASF Corp. - Construction Chemicals.
  - 3. Brewer Company (The).
  - 4. ChemMasters, Inc.
  - 5. Euclid Chemical Company (The); an RPM company.
  - 6. Henry Company.
  - 7. Karnak Corporation.
  - 8. Mar-flex Waterproofing & Building Products.
  - 9. W.R. Meadows, Inc.
  - 10. Architect approved equivalent.
- B. Trowel Coats: ASTM D 1227, Type II, Class 1.
- C. Fibered Brush and Spray Coats: ASTM D 1227, Type II, Class 1.
- D. Brush and Spray Coats: ASTM D 1227, Type III, Class 1.

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### 2.3 AUXILIARY MATERIALS

- A. Furnish auxiliary materials recommended in writing by dampproofing manufacturer for intended use and compatible with bituminous dampproofing.
- B. Emulsified-Asphalt Primer: ASTM D 1227, Type III, Class 1, except diluted with water as recommended in writing by manufacturer.
- C. Asphalt-Coated Glass Fabric: ASTM D 1668/D 1668M, Type I.

## PART 3 - EXECUTION

### 3.1 APPLICATION, GENERAL

- A. Comply with manufacturer's written instructions for dampproofing application, cure time between coats, and drying time before backfilling unless otherwise indicated.
  - 1. Apply dampproofing to provide continuous plane of protection over full height of exterior face of inner wythe of exterior masonry cavity walls.
  - 2. Apply additional coats if recommended in writing by manufacturer or to achieve a smooth surface and uninterrupted coverage.
- B. Where dampproofing footings and foundation walls, apply from finished-grade line to top of footing; extend over top of footing and down a minimum of 6 inches over outside face of footing.
  - 1. Extend dampproofing 12 inches onto intersecting walls and footings, but do not extend onto surfaces exposed to view when Project is completed.
  - 2. Install flashings and corner protection stripping at internal and external corners, changes in plane, construction joints, cracks, and where indicated as "reinforced," by embedding an 8-inch-wide strip of asphalt-coated glass fabric in a heavy coat of dampproofing. Dampproofing coat for embedding fabric is in addition to other coats required.
- C. Where dampproofing exterior face of inner wythe of exterior masonry cavity walls, lap dampproofing at least 1/4 inch onto flashing, masonry reinforcement, veneer ties, and other items that penetrate inner wythe.
  - 1. Extend dampproofing over outer face of structural members and concrete slabs that interrupt inner wythe.
  - 2. Lap dampproofing at least 1/4 inch onto shelf angles supporting veneer.
- D. Where dampproofing interior face of above-grade, exterior concrete and masonry walls, continue dampproofing through intersecting walls by keeping vertical mortar joints at intersection temporarily open or by dampproofing wall before constructing intersecting walls.

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3.2 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

- A. Concrete Foundations: Apply two brush or spray coats at not less than 1.5 gal./100 sq. ft. for first coat and 1 gal./100 sq. ft. for second coat], one fibered brush or spray coat at not less than 3 gal./100 sq. ft., or one trowel coat at not less than 4 gal./100 sq. ft.
- B. Unparged Masonry Foundation Walls: Apply primer and two brush or spray coats at not less than 1.5 gal./100 sq. ft. for first coat and 1 gal./100 sq. ft. for second coat, primer and one fibered brush or spray coat at not less than 3 gal./100 sq. ft., or primer and one trowel coat at not less than 5 gal./100 sq. ft..
- C. Concrete Backup for Veneer Assemblies: Apply one brush or spray coat at not less than 1 gal./100 sq. ft..
- D. Masonry Backup for Veneer Assemblies: Apply primer and one brush or spray coat at not less than 1 gal./100 sq. ft..
- E. Exterior Face of Inner Wythe of Cavity Walls: Apply primer and one brush or spray coat at not less than 1 gal./100 sq. ft. over entire height of wall.

END OF SECTION 071113

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## SECTION 075323 - ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Adhered ethylene-propylene-diene-terpolymer (EPDM) roofing system.
2. Roof insulation.

#### 1.2 PREINSTALLATION MEETINGS

- A. Preliminary Conference: Conduct conference at Project site.

#### 1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. For insulation and roof system component fasteners, include copy of SPRI's Directory of Roof Assemblies listing.

B. Shop Drawings: Include roof plans, sections, details, and attachments to other work, including the following:

1. Layout and thickness if insulation.
2. Base flashings and membrane terminations.
3. Flashing details at penetrations.
4. Tapered insulation, thickness, and slopes.
5. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.

C. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

#### 1.4 INFORMATIONAL SUBMITTALS

A. Manufacturer Certificates:

1. Performance Requirement Certificate: Signed by roof membrane manufacturer, certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
  - a. Submit evidence of complying with performance requirements.

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2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.
- B. Product Test Reports: For components of roof membrane and insulation, for tests performed by a qualified testing agency, indicating compliance with specified requirements.
- C. Research reports.
- D. Field Test Reports:
  1. Concrete internal relative humidity test reports.
  2. Fastener-pullout test results and manufacturer's revised requirements for fastener patterns.
- E. Field quality-control reports.
- F. Sample warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.
- B. Certified statement from existing roof membrane manufacturer stating that existing roof warranty has not been affected by Work performed under this Section.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
  1. Warranty Period: 20 years from Date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Accelerated Weathering: Roof membrane shall withstand 2000 hours of exposure when tested according to ASTM G152, ASTM G154, or ASTM G155.

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- B. Impact Resistance: Roof membrane shall resist impact damage when tested according to ASTM D3746, ASTM D4272, or the Resistance to Foot Traffic Test in FM Approvals 4470.
- C. Wind Uplift Resistance: Design roofing system to resist the wind uplift pressures for building location and conditions when tested according to FM Approvals 4474, UL 580, or UL 1897:
- D. FM Approvals' RoofNav Listing: Roof membrane, base flashings, and component materials shall comply with requirements in FM Approvals 4450 or FM Approvals 4470 as part of a roofing system and shall be listed in FM Approvals' RoofNav for Class 1 or noncombustible construction, as applicable. Identify materials with FM Approvals Certification markings.
  - 1. Fire/Windstorm Classification: Class 1A-90.
  - 2. Hail-Resistance Rating: FM Global Property Loss Prevention Data Sheet 1-34 MH.
- E. SPRI's Directory of Roof Assemblies Listing: Roof membrane, base flashings, and component materials shall comply with requirements in FM Approvals 4450 or FM Approvals 4470 as part of a roofing system and shall be listed in SPRI's Directory of Roof Assemblies for roof assembly identical for that specified for this Project.
  - 1. Wind Uplift Load Capacity: 105 psf.
- F. Exterior Fire-Test Exposure: ASTM E108 or UL 790, Class A; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

## 2.2 ETHYLENE-PROPYLENE-DIENE-TERPOLYMER (EPDM) ROOFING

- A. EPDM Sheet: ASTM D4637/D4637M, Type I, non-reinforced, EPDM sheet.
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Firestone Building Products.
    - b. Johns Manville; a Berkshire Hathaway company.
    - c. Architect approved equivalent.
  - 2. Thickness: 60 mils, nominal.
  - 3. Exposed Face Color: Black.

## 2.3 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with other roofing components.
  - 1. Adhesive and Sealants: Comply with VOC limits of authorities having jurisdiction.
- B. Sheet Flashing: 60-mil-thick EPDM, partially cured or cured, according to application.
- C. Protection Sheet: Epichlorohydrin or neoprene nonreinforced flexible sheet, 55 to 60 mils thick, recommended by EPDM manufacturer for resistance to hydrocarbons, non-aromatic solvents, grease, and oil.

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- D. Slip Sheet: ASTM D2178/D2178M, Type IV; glass fiber; asphalt-impregnated felt.
- E. Slip Sheet: Manufacturer's standard, of thickness required for application.
- F. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- G. Bonding Adhesive: Manufacturer's standard.
- H. Seaming Material: Manufacturer's standard, synthetic-rubber polymer primer and 3-inch-wide minimum, butyl splice tape with release film.
- I. Lap Sealant: Manufacturer's standard, single-component sealant, colored to match membrane roofing.
- J. Water Cutoff Mastic: Manufacturer's standard butyl mastic sealant.
- K. Metal Termination Bars: Manufacturer's standard, predrilled stainless steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- L. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, molded pipe boot flashings, preformed inside and outside corner sheet flashings, reinforced EPDM securement strips, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.

## 2.4 ROOF INSULATION

- A. Polyisocyanurate Board Insulation: ASTM C1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Atlas Roofing Corporation - Polyiso.
    - b. Flex Membrane International Corp.
    - c. GAF.
    - d. Hunter Panels.
    - e. Johns Manville; a Berkshire Hathaway company.
    - f. Rmax, Inc.
    - g. Architect approved equivalent.
  - 2. Size: 48 by 96 inches.
  - 3. Thickness: 3" minimum.
- B. Tapered Insulation: Provide factory-tapered insulation boards.
  - 1. Material: Match roof insulation.
  - 2. Minimum Thickness: 1/4 inch.
  - 3. Slope:
    - a. Roof Field: 1/4 inch per foot minimum.
    - b. Saddles and Crickets: 1/2 inch per foot unless otherwise indicated.



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2.5 INSULATION ACCESSORIES

- A. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
  - 1. Modified asphaltic, asbestos-free, cold-applied adhesive.
  - 2. Bead-applied, low-rise, one-component or multicomponent urethane adhesive.
- B. Protection Mat: Woven or nonwoven polypropylene, polyolefin, or polyester fabric; water permeable and resistant to UV degradation; type and weight as recommended by roofing system manufacturer for application.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Perform fastener-pullout tests according to roof system manufacturer's written instructions.
  - 1. Submit test result within 24 hours of performing tests.
    - a. Include manufacturer's requirements for any revision to previously submitted fastener patterns required to achieve specified wind uplift requirements.

3.2 INSTALLATION OF ROOFING, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions, SPRI's Directory of Roof Assemblies assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at end of workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

3.3 INSTALLATION OF INSULATION

- A. Coordinate installing roofing system components, so insulation is not exposed to precipitation or left exposed at end of workday.
- B. Comply with roofing system and insulation manufacturer's written instructions for installing roof insulation.
- C. Installation Over Metal Decking:
  - 1. Adhere base and tapered layers of insulation to the substrate according to SPRI's Directory of Roof Assemblies listed roof assembly requirements for specified Wind Uplift Load Capacity and FM Global Property Loss Prevention Data Sheet 1-29.

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2. Install base layer of insulation with joints staggered not less than 24 inches in adjacent rows and with long joints continuous at right angle to flutes of decking.
  - a. Locate end joints over crests of decking.
  - b. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
  - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
  - d. Make joints between adjacent insulation boards not more than 1/4 inch in width.
  - e. Fill gaps exceeding 1/4 inch with insulation.
  - f. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
  
3. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 24 inches from previous layer of insulation.
  - a. Staggered end joints within each layer not less than 24 inches in adjacent rows.
  - b. Install with long joints continuous and with end joints staggered not less than 12 inches in adjacent rows.
  - c. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
  - d. Make joints between adjacent insulation boards not more than 1/4 inch in width.
  - e. Trim insulation so that water flow is unrestricted.
  - f. Fill gaps exceeding 1/4 inch with insulation.
  - g. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
  - h. Adhere each layer of insulation to substrate using adhesive according to manufacturer's recommendations and SPRI's Directory of Roof Assemblies listed roof assembly requirements for specified Wind Uplift Load Capacity and FM Global Property Loss Prevention Data Sheet 1-29, as follows:
    - 1) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

### 3.4 ADHERED ROOFING INSTALLATION

- A. Adhere roof membrane over area to receive roofing according to roofing system manufacturer's written instructions.
- B. Unroll membrane roof membrane and allow to relax before installing.
- C. Accurately align roof membrane and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- D. Bonding Adhesive: Apply to substrate and underside of roof membrane at rate required by manufacturer and allow to partially dry before installing roof membrane. Do not apply to splice area of roof membrane.
- E. Fabric-Backed Roof Membrane Adhesive: Apply to substrate at rate required by manufacturer and install fabric-backed roof membrane.

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- F. In addition to adhering, mechanically fasten roof membrane securely at terminations, penetrations, and perimeters.
- G. Apply roof membrane with side laps shingled with slope of roof deck where possible.
- H. Adhesive Seam Installation: Clean both faces of splice areas, apply splicing cement.
  - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
  - 2. Apply lap sealant and seal exposed edges of roofing terminations.
  - 3. Apply a continuous bead of in-seam sealant before closing splice if required by roofing system manufacturer.
- I. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape.
  - 1. Firmly roll side and end laps of overlapping roof membrane to ensure a watertight seam installation.
  - 2. Apply lap sealant and seal exposed edges of roofing terminations.
- J. Spread sealant or mastic bed over deck-drain flange at roof drains, and securely seal roof membrane in place with clamping ring.

### 3.5 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing system, inspect roofing system for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 075323

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ADDED: Addendum 1  
August 4, 2023  
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## SECTION 077100 - ROOF SPECIALTIES

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Copings.
2. Roof-edge specialties.
3. Roof-edge drainage systems.
4. Reglets and counterflashings.

B. Preinstallation Conference: Conduct conference at Project site.

#### 1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For roof specialties.

1. Include plans, elevations, expansion-joint locations, keyed details, and attachments to other work. Distinguish between plant- and field-assembled work.

C. Samples: For each type of roof specialty and for each color and texture specified.

#### 1.3 INFORMATIONAL SUBMITTALS

A. Product Test Reports: For tests performed by a qualified testing agency.

B. Sample warranty.

#### 1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For roofing specialties to include in maintenance manuals.

#### 1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: A qualified manufacturer offering products meeting requirements that are FM Approvals listed for specified class and SPRI ES-1 tested to specified design pressure.

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## 1.6 WARRANTY

- A. Roofing-System Warranty: Roof specialties are included in warranty provisions in Section 075323 EPDM Roofing.
- B. Special Warranty on Painted Finishes: Manufacturer agrees to repair finish or replace roof specialties that show evidence of deterioration of factory-applied finishes within specified warranty period.
  - 1. Fluoropolymer Finish: Deterioration includes, but is not limited to, the following:
    - a. Color fading more than 5 Delta E units when tested according to ASTM D2244.
    - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
    - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
  - 2. Finish Warranty Period: 20 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. FM Approvals' Listing: Manufacture and install copings and roof-edge specialties that are listed in FM Approvals' "RoofNav" and approved for windstorm classification, Class 1-90. Identify materials with FM Approvals' markings.
- B. SPRI Wind Design Standard: Manufacture and install copings and roof-edge specialties tested according to SPRI ES-1 and capable of resisting the following design pressures:
  - 1. Design Pressure: As required for Project location.
- C. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, hole elongation, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Provide clips that resist rotation and avoid shear stress as a result of thermal movements. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
  - 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

### 2.2 ROOF-EDGE SPECIALTIES

- A. Canted Roof-Edge Fascia and Gravel Stop: Manufactured, two-piece, roof-edge fascia consisting of snap-on metal fascia cover in section lengths not exceeding 12 feet and a continuous formed galvanized-steel sheet cant, 0.028 inch thick, minimum, with extended vertical leg terminating in a drip-edge cleat. Provide matching corner units.

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1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - a. Architectural Products Company.
  - b. ATAS International, Inc.
  - c. Berridge Manufacturing Company.
  - d. Castle Metal Products.
  - e. Cheney Flashing Company.
  - f. Drexel Metals.
  - g. Merchant and Evans.
  - h. Metal-Era, Inc.
  - i. OMG, Inc.
  - j. PAC-CLAD; Petersen Aluminum Corporation; a Carlisle company.
  - k. SAF (Southern Aluminum Finishing Company, Inc.).
  - l. Architect approved equivalent.
2. Metallic-Coated Steel Sheet Fascia Covers: Zinc-coated (galvanized) steel, nominal thickness as required to meet performance requirements.
  - a. Surface: Smooth, flat finish.
  - b. Finish: Two-coat fluoropolymer.
  - c. Color: As selected by Architect from manufacturer's full range, to match existing as closely as possible.
3. Formed Aluminum Sheet Fascia Covers: Aluminum sheet, thickness as required to meet performance requirements.
  - a. Surface: Smooth, flat finish.
  - b. Finish: Two-coat fluoropolymer.
  - c. Color: As selected by Architect from manufacturer's full range, to match existing as closely as possible.
4. Corners: Factory mitered and continuously welded.
5. Splice Plates: Exposed, of same material, finish, and shape as fascia cover.
6. Fascia Accessories: Wall cap, Soffit trim, Overflow scuppers, Downspout scuppers with integral conductor head and downspout adapters.

### 2.3 ROOF-EDGE DRAINAGE SYSTEMS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  1. Architectural Products Company.
  2. ATAS International, Inc.
  3. Berger Building Products, Inc.
  4. Castle Metal Products.
  5. Cheney Flashing Company.

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6. CopperCraft by FABRAL.
7. Drexel Metals.
8. Exceptional Metals.
9. Merchant and Evans.
10. Metal-Era, Inc.
11. OMG, Inc.
12. Perimeter Systems; a division of SAF.
13. SAF (Southern Aluminum Finishing Company, Inc.).
14. Architect approved equivalent.

B. Downspouts: Plain rectangular complete with mitered elbows, manufactured from the following exposed metal. Furnish with metal hangers, from same material as downspouts, and anchors.

1. Zinc-Coated Steel: Nominal 0.034-inch thickness.
2. Formed Aluminum: 0.040 inch thick.

C. Parapet Scuppers: Manufactured with closure flange trim to exterior, 4-inch-wide wall flanges to interior, and base extending 4 inches beyond cant or tapered strip into field of roof.

1. Zinc-Coated Steel: Nominal 0.028-inch thickness.
2. Formed Aluminum: 0.032 inch thick.

D. Conductor Heads: Manufactured conductor heads, each with flanged back and stiffened top edge, and of dimensions and shape indicated, complete with outlet tube that nests into upper end of downspout, exterior flange trim, and built-in overflow.

1. Zinc-Coated Steel: Nominal 0.028-inch thickness.
2. Formed Aluminum: 0.032 inch thick.

E. Zinc-Coated Steel Finish: Two-coat fluoropolymer.

1. Color: As selected by Architect from manufacturer's full range, to match existing as closely as possible.

F. Aluminum Finish: Two-coat fluoropolymer.

1. Color: As selected by Architect from manufacturer's full range, to match existing as closely as possible.

## 2.4 REGLETS AND COUNTERFLASHINGS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Berridge Manufacturing Company.
2. Castle Metal Products.
3. Cheney Flashing Company.



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4. Drexel Metals.
  5. Exceptional Metals.
  6. Fry Reglet Corporation.
  7. Heckmann Building Products, Inc.
  8. Keystone Flashing Company, Inc.
  9. Metal-Era, Inc.
  10. OMG, Inc.
  11. Architect approved equivalent.
- B. Reglets: Manufactured units formed to provide secure interlocking of separate reglet and counterflashing pieces, from the following exposed metal:
1. Zinc-Coated Steel: Nominal 0.028-inch thickness.
  2. Formed Aluminum: 0.050 inch thick.
  3. Stainless Steel: 0.0250 inch thick.
  4. Corners: Factory mitered and continuously welded.
  5. Masonry Type, Embedded: Provide reglets with offset top flange for embedment in masonry mortar joint.
- C. Counterflashings: Manufactured units of heights to overlap top edges of base flashings by 4 inches and in lengths not exceeding 12 feet designed to snap into reglets or through-wall-flashing receiver and compress against base flashings with joints lapped, from the following exposed metal:
1. Zinc-Coated Steel: Nominal 0.028-inch thickness.
  2. Formed Aluminum: 0.032 inch thick.
  3. Stainless Steel: 0.0250 inch thick.
- D. Accessories:
1. Flexible-Flashing Retainer: Provide resilient plastic or rubber accessory to secure flexible flashing in reglet where clearance does not permit use of standard metal counterflashing or where reglet is provided separate from metal counterflashing.
  2. Counterflashing Wind-Restraint Clips: Provide clips to be installed before counterflashing to prevent wind uplift of counterflashing lower edge.
- E. Zinc-Coated Steel Finish: Two-coat fluoropolymer.
1. Color: As selected by Architect from manufacturer's full range.
- F. Aluminum Finish: Two-coat fluoropolymer.
1. Color: As selected by Architect from manufacturer's full range.
- G. Stainless Steel Finish: ASTM A480 No. 4 (bright, polished directional satin).

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## 2.5 MATERIALS

- A. Zinc-Coated (Galvanized) Steel Sheet: ASTM A653, G90 coating designation.
- B. Aluminum Sheet: ASTM B209, alloy as standard with manufacturer for finish required, with temper to suit forming operations and performance required.
- C. Stainless Steel Sheet: ASTM A240/A240M or ASTM A666, Type 304.

## 2.6 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Sheet: Minimum 30 to 40 mil thick, consisting of slip-resisting polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied. Provide primer when recommended by underlayment manufacturer.
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Carlisle WIP Products; a brand of Carlisle Construction Materials.
    - b. GCP Applied Technologies Inc.
    - c. Henry Company.
    - d. Metal-Fab Manufacturing, a Drexel Metals Company.
    - e. Owens Corning.
    - f. Polyglass U.S.A., Inc.
    - g. Protecto Wrap Company.
    - h. SDP Advanced Polymer Products Inc.
    - i. Architect approved equivalent.
  - 2. Thermal Stability: ASTM D1970/D1970M; stable after testing at 240 deg F.
  - 3. Low-Temperature Flexibility: ASTM D1970/D1970M; passes after testing at minus 20 deg F.
- B. Felt: ASTM D226/D226M, Type II (No. 30), asphalt-saturated organic felt, nonperforated.
- C. Slip Sheet: Rosin-sized building paper, 3-lb/100 sq. ft. minimum.

## 2.7 MISCELLANEOUS MATERIALS

- A. Fasteners: Manufacturer's recommended fasteners, suitable for application and designed to meet performance requirements. Furnish the following unless otherwise indicated:
  - 1. Exposed Penetrating Fasteners: Gasketed screws with hex washer heads matching color of sheet metal.
  - 2. Fasteners for Copper Sheet: Copper, hardware bronze, or passivated Series 300 stainless steel.

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3. Fasteners for Aluminum: Aluminum or Series 300 stainless steel.
  4. Fasteners for Stainless Steel Sheet: Series 300 stainless steel.
  5. Fasteners for Zinc-Coated (Galvanized) Steel Sheet: Series 300 stainless steel or hot-dip zinc-coated steel according to ASTM A153/A153M or ASTM F2329.
- B. Elastomeric Sealant: ASTM C920, elastomeric silicone polymer sealant of type, grade, class, and use classifications required by roofing-specialty manufacturer for each application.
- C. Butyl Sealant: ASTM C1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type joints with limited movement.
- D. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.
- E. Asphalt Roofing Cement: ASTM D4586, asbestos free, of consistency required for application.

## 2.8 FINISHES

### A. Coil-Coated Galvanized-Steel Sheet Finishes:

1. High-Performance Organic Finish: Prepare, pretreat, and apply coating to exposed metal surfaces to comply with ASTM A755/A755M and coating and resin manufacturers' written instructions.
  - a. Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat.

### B. Coil-Coated Aluminum Sheet Finishes:

1. High-Performance Organic Finish: Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
  - a. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat.

## PART 3 - EXECUTION

### 3.1 INSTALLATION OF UNDERLAYMENT

- A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches staggered 24 inches between courses. Overlap side edges not less than 3-1/2 inches. Roll laps with roller. Cover underlayment within 14 days.

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1. Apply continuously under copings, roof-edge specialties and reglets and counter flashings.
  2. Coordinate application of self-adhering sheet underlayment under roof specialties with requirements for continuity with adjacent air barrier materials.
- B. Felt Underlayment: Install with adhesive for temporary anchorage to minimize use of mechanical fasteners under roof specialties. Apply in shingle fashion to shed water, with lapped joints of not less than 2 inches.
- C. Slip Sheet: Install with tape or adhesive for temporary anchorage to minimize use of mechanical fasteners under roof specialties. Apply in shingle fashion to shed water, with lapped joints of not less than 2 inches.

### 3.2 INSTALLATION, GENERAL

- A. Install roof specialties according to manufacturer's written instructions. Anchor roof specialties securely in place, with provisions for thermal and structural movement. Use fasteners, solder, protective coatings, separators, underlayments, sealants, and other miscellaneous items as required to complete roof-specialty systems.
1. Install roof specialties level, plumb, true to line and elevation; with limited oil-canning and without warping, jogs in alignment, buckling, or tool marks.
  2. Provide uniform, neat seams with minimum exposure of solder and sealant.
  3. Install roof specialties to fit substrates and to result in weathertight performance. Verify shapes and dimensions of surfaces to be covered before manufacture.
  4. Torch cutting of roof specialties is not permitted.
  5. Do not use graphite pencils to mark metal surfaces.
- B. Metal Protection: Protect metals against galvanic action by separating dissimilar metals from contact with each other or with corrosive substrates by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturer.
1. Coat concealed side of uncoated aluminum and stainless steel roof specialties with bituminous coating where in contact with wood, ferrous metal, or cementitious construction.
  2. Bed flanges in thick coat of asphalt roofing cement where required by manufacturers of roof specialties for waterproof performance.
- C. Expansion Provisions: Allow for thermal expansion of exposed roof specialties.
1. Space movement joints at a maximum of 12 feet with no joints within 36 inches of corners or intersections unless otherwise indicated on Drawings.
  2. When ambient temperature at time of installation is between 40 and 70 deg F, set joint members for 50 percent movement each way. Adjust setting proportionately for installation at higher ambient temperatures.

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- D. Fastener Sizes: Use fasteners of sizes that penetrate wood blocking or sheathing not less than 1-1/2 inches for nails and not less than 1 inch for wood screws, substrate not less than recommended by fastener manufacturer to achieve maximum pull-out resistance].
- E. Seal concealed joints with butyl sealant as required by roofing-specialty manufacturer.
- F. Seal joints as required for weathertight construction. Place sealant to be completely concealed in joint. Do not install sealants at temperatures below 40 deg F.

### 3.3 INSTALLATION OF ROOF-EDGE SPECIALITIES

- A. Install cleats, cants, and other anchoring and attachment accessories and devices with concealed fasteners.
- B. Anchor roof edgings with manufacturer's required devices, fasteners, and fastener spacing to meet performance requirements.

### 3.4 INSTALLATION OF ROOF-EDGE DRAINAGE-SYSTEM

- A. Install components to produce a complete roof-edge drainage system according to manufacturer's written instructions. Coordinate installation of roof perimeter flashing with installation of roof-edge drainage system.
- B. Downspouts: Join sections with manufacturer's standard telescoping joints. Provide hangers with fasteners designed to hold downspouts securely to walls and 1 inch away from walls; locate fasteners at top and bottom and at approximately 60 inches o.c.
  - 1. Provide elbows at base of downspouts at grade to direct water away from building.
  - 2. Connect downspouts to underground drainage system indicated.
  - 3. Provide spill block at point of discharge.
- C. Parapet Scuppers: Install scuppers through parapet where indicated. Continuously support scupper, set to correct elevation, and seal flanges to interior wall face, over cants or tapered edge strips, and under roofing membrane.
- D. Conductor Heads: Anchor securely to wall with elevation of conductor top edge 1 inch below scupper discharge.

### 3.5 CLEANING AND PROTECTION

- A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.
- B. Clean and neutralize flux materials. Clean off excess solder and sealants.

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- C. Remove temporary protective coverings and strippable films as roof specialties are installed.

END OF SECTION 077100

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## SECTION 083313 - COILING COUNTER DOORS

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Counter door assemblies.
2. Fire-rated counter door assemblies.

#### 1.2 ACTION SUBMITTALS

A. Product Data: For each type and size of coiling counter door and accessory.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

1. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
2. Show locations of controls, locking devices, detectors or replaceable fusible links, and other accessories.
3. Include diagrams for power, signal, and control wiring.

C. Samples: For each exposed product and for each color and texture specified.

#### 1.3 CLOSEOUT SUBMITTALS

A. Maintenance data.

B. Record Documents: For fire-rated doors, list of door numbers and applicable room name and number to which door accesses.

#### 1.4 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.

B. Fire-Rated Door Inspector Qualifications: Inspector for field quality control inspections of fire-rated door assemblies shall meet the qualifications set forth in NFPA 80, section 5.2.3.1 and the following:

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1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Rated Door Assemblies: Complying with NFPA 80; listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at as close to neutral pressure as possible according to NFPA 252.
  1. Temperature-Rise Limit: At interior locations, provide doors that have a maximum transmitted temperature end point of not more than 450 deg F above ambient after 30 minutes of standard fire-test exposure.
  2. Smoke Control: At interior locations, provide doors that are listed and labeled with the letter "S" on the fire-rating label by a qualified testing agency for smoke- and draft-control based on testing according to UL 1784; with maximum air-leakage rate of 3.0 cfm/sq. ft. of door opening at 0.10 inch wg for both ambient and elevated temperature tests.

### 2.2 COUNTER DOOR ASSEMBLY (At interior / exterior location.)

- A. Counter Door: Coiling counter door formed with curtain of interlocking metal slats.
  1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. ACME Rolling Doors.
    - b. Alpine Overhead Doors, Inc.
    - c. ASTA Door Corporation.
    - d. C.H.I. Overhead Doors, Inc.
    - e. City-Gates.
    - f. Clipay Building Products.
    - g. Cookson; a CornellCookson company.
    - h. Cornell; a CornellCookson company.
    - i. ENTREMATIIC.
    - j. Lawrence Roll-Up Doors, Inc.
    - k. McKeon Rolling Steel Door Company, Inc.
    - l. Overhead Door Corporation.
    - m. Raynor.
    - n. Wayne-Dalton Corp.
    - o. Architect approved equivalent.
- B. Operation Cycles: Door components and operators capable of operating for not less than 20,000.
- C. STC Rating: 26.



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- D. Door Curtain Material: Stainless steel.
  - E. Door Curtain Slats: Flat profile slats of 1-1/4-inch or 1-1/2-inch center-to-center height.
    - 1. Insulated-Slat Interior Facing: Metal.
  - F. Bottom Bar: Manufacturer's standard continuous channel or tubular shape, fabricated stainless steel and finished to match door.
  - G. Curtain Jamb Guides: Stainless steel with exposed finish matching curtain slats. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise.
  - H. Hood: Match curtain material and finish.
    - 1. Mounting: Face of wall.
  - I. Integral Frame, Hood, and Fascia: Stainless steel.
    - 1. Mounting: Face of wall.
  - J. Sill Configuration: Integral metal sill to match curtain material.
  - K. Locking Devices: Equip door with slide bolt for padlock and chain lock keeper.
  - L. Manual Door Operator: Manufacturer's standard crank operator.
  - M. Curtain Accessories: Equip door with weatherseals and pull-down strap.
  - N. Door Finish:
    - 1. Stainless Steel Finish: ASTM A480/A480M No. 4 (polished directional satin).
- 2.3 FIRE-RATED COUNTER DOOR ASSEMBLY (At interior / interior location.)
- A. Fire-Rated Counter Door: Overhead fire-rated coiling door formed with curtain of interlocking metal slats.
    - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
      - a. ACME Rolling Doors.
      - b. Alpine Overhead Doors, Inc.
      - c. ASTA Door Corporation.
      - d. C.H.I. Overhead Doors, Inc.
      - e. City-Gates.
      - f. Clopay Building Products.
      - g. Cookson; a CornellCookson company.
      - h. Cornell; a CornellCookson company.
      - i. ENTREMATIC.
      - j. Lawrence Roll-Up Doors, Inc.

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- k. McKeon Rolling Steel Door Company, Inc.
  - l. Overhead Door Corporation.
  - m. Raynor.
  - n. Wayne-Dalton Corp.
  - o. Architect approved equivalent.
- B. Operation Cycles: Door components and operators capable of operating for not less than 20,000.
- C. Fire Rating: 1 hour with smoke control.
- D. STC Rating: 27.
- E. Insulation R-Value: 9.
- F. Door Curtain Material: Stainless steel.
- G. Door Curtain Slats: Flat profile slats of 1-1/4-inch or 1-1/2-inch center-to-center height.
  - 1. Insulated-Slat Interior Facing: Metal.
- H. Curtain Jamb Guides: Stainless steel with exposed finish matching curtain slats.
- I. Hood: Match curtain material and finish.
  - 1. Mounting: Face of wall.
- J. Integral Frame, Hood, and Fascia: Stainless steel.
  - 1. Mounting: Face of wall.
- K. Sill Configuration: Integral metal sill.
- L. Locking Devices: Equip door with slide bolt for padlock and chain lock keeper.
- M. Manual Door Operator: Manufacturer's standard crank operator.
- N. Curtain Accessories: Equip door with smoke seals, automatic closing device, pull-down strap.
- O. Door Finish:
  - 1. Stainless Steel Finish: ASTM A480/A480M No. 4 (polished directional satin)] <Insert finish.
  - 2. Interior Curtain-Slat Facing: Match finish of exterior curtain-slat face.
- 2.4 DOOR CURTAIN MATERIALS AND FABRICATION
- A. Door Curtains: Fabricate coiling counter door curtain of interlocking metal slats in a continuous length for width of door without splices. Unless otherwise indicated, provide slats of thickness

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and mechanical properties recommended by door manufacturer for performance, size, and type of door indicated, and as follows:

1. Insulation: Fill slats for insulated doors with manufacturer's standard thermal insulation complying with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, according to ASTM E84 or UL 723. Enclose insulation completely within slat faces.
  2. Metal Interior Curtain-Slat Facing: Match metal of exterior curtain-slat face.
  3. Plastic Interior Curtain-Slat Facing: Extruded PVC plastic with maximum flame-spread index of [25] [75] [200] and smoke-developed index of 450, according to ASTM E84 or UL 723.
- B. Curtain Jamb Guides: Manufacturer's standard angles or channels and angles of same material and finish as curtain slats unless otherwise indicated, with sufficient depth and strength to retain curtain, to allow curtain to operate smoothly, and to withstand loading. Slot bolt holes for guide adjustment. Provide removable stops on guides to prevent overtravel of curtain.
1. Removable Posts and Jamb Guides: Manufacturer's standard.

## 2.5 HOODS

- A. General: Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any portion of between-jamb mounting that projects beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.
1. Include automatic drop baffle on fire-rated doors to guard against passage of smoke or flame.
- B. Integral Frame, Hood, and Fascia: Welded sheet metal assembly of the following sheet metal(s):

## 2.6 LOCKING DEVICES

- A. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on both left and right jamb sides, operable from coil side.
- B. Locking Device Assembly: Fabricate with cylinder lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bars to engage through slots in tracks.
1. Lock Cylinders: As [specified in Section 087100 "Door Hardware"] [specified in Section 087111 "Door Hardware (Descriptive Specification)"] [standard with manufacturer] [and keyed to building keying system].
  2. Keys: [Two] [Three] <Insert number> for each cylinder.
- C. Chain Lock Keeper: Suitable for padlock.

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- D. Safety Interlock Switch: Equip power-operated doors with safety interlock switch to disengage power supply when door is locked.

## 2.7 CURTAIN ACCESSORIES

- A. Smoke Seals: Equip each fire-rated door with replaceable smoke-seal perimeter gaskets or brushes for smoke and draft control as required for door listing and labeling by a qualified testing agency.
- B. Astragal: Equip each door bottom bar with a replaceable, adjustable, continuous, compressible gasket of flexible vinyl, rubber, or neoprene as a cushion bumper.
- C. Push/Pull Handles: Equip each push-up-operated or emergency-operated door with lifting handles on each side of door, finished to match door.
- D. Pull-Down Strap: Provide pull-down straps for doors more than 84 inches (2130 mm) high.
- E. Pole Hooks: Provide pole hooks and poles for doors more than 84 inches (2130 mm) high.
- F. Automatic-Closing Device: Equip each fire-rated door with an automatic-closing device or holder-release mechanism and governor unit complying with NFPA 80 and an easily tested and reset release mechanism. Automatic-closing device shall be designed for activation by the following:
  - 1. Replaceable fusible links with temperature rise and melting point of 165 deg F interconnected and mounted on both sides of door opening.
  - 2. Manufacturer's standard UL-labeled smoke detector and door-holder-release devices.

## 2.8 COUNTER DOOR ACCESSORIES

- A. Integral Metal Sill: Fabricate sills as integral part of frame assembly of Type 304 stainless steel in manufacturer's standard thickness with ASTM A480/A480M No. 4 finish.

## 2.9 COUNTERBALANCE MECHANISM

- A. General: Counterbalance doors by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.
- B. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

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## 2.10 MANUAL DOOR OPERATORS

- A. General: Equip door with manual door operator by door manufacturer.
- B. Push-up Door Operation: Design counterbalance mechanism so that required lift or pull for door operation does not exceed 25 lbf.
- C. Chain-Hoist Operator: Consisting of endless steel hand chain, chain-pocket wheel and guard, and gear-reduction unit with a maximum 25-lbf force for door operation. Provide alloy-steel hand chain with chain holder secured to operator guide.
- D. Crank Operator: Consisting of crank and crank gearbox, steel crank drive shaft, and gear-reduction unit, of type indicated. Size gears to require not more than 25-lbf force to turn crank. Fabricate gearbox to be oiltight and to completely enclose operating mechanism. Provide manufacturer's standard crank-locking device.

## PART 3 - EXECUTION

### 3.1 INSTALLATION, GENERAL

- A. Install coiling counter doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.
- B. Fire-Rated Doors: Install according to NFPA 80.
- C. Smoke-Control Doors: Install according to NFPA 80 and NFPA 105.

### 3.2 FIELD QUALITY CONTROL

- A. Testing Agency: Owner reserves the right to engage a qualified testing agency to perform tests and inspections and to furnish reports to Architect.
- B. Perform the following tests and inspections:
  - 1. Perform acceptance testing according to NFPA 80.
    - a. Fire-Rated Door Inspections: Inspect each fire-rated door in accordance with NFPA 80, section 5.2.
  - 2. Test door release, closing, and alarm operations when activated by smoke detector or building's fire-alarm system. Test manual operation of closed door. Reset door-closing mechanism after successful test.
- C. Repair or remove and replace installations where inspections indicate that they do not comply with specified requirements.

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- D. Reinspect repaired or replaced installations to determine if replaced or repaired door assembly installations comply with specified requirements.
- E. Prepare and submit separate inspection report for each fire-rated door assembly indicating compliance with each item listed in NFPA 80 and NFPA 101.

### 3.3 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain coiling counter doors.

END OF SECTION 083313

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## SECTION 096519 - RESILIENT TILE FLOORING

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Vinyl composition floor tile.

#### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and pattern specified.

#### 1.3 CLOSEOUT SUBMITTALS

- A. Maintenance data.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation.

### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E648 or NFPA 253 by a qualified testing agency.
  - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

#### 2.2 SOLID VINYL FLOOR TILE (VCT)

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Johnsonite / Tarket
  - 2. American Biltrite.
  - 3. Armstrong Flooring, Inc.

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4. Architect approved equivalent.
- B. Tile Standard: ASTM F1700.
  1. Class: Class I, Monolithic Vinyl Tile.
- C. Thickness: 0.120 inch.
- D. Size: 12 by 12 inches to match existing.
- E. Colors and Patterns: As selected from manufacturer's full range. Intent is to match existing floor patterns and colors as closely as possible.

### 2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by floor tile manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit existing floor tile and substrate conditions. VOC rating compliant with application.
- C. Floor Polish: Provide protective, liquid floor-polish products recommended by floor tile manufacturer.

## PART 3 - EXECUTION

### 3.1 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F710.
  1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
  2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
  3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 10 pH.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.



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- D. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
  - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- E. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

### 3.2 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
  - 1. Lay tiles as required to match existing patterns.
- C. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- D. Extend floor tiles into toe spaces, door reveals, closets, and similar openings.
- E. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent marking device.
- F. Adhere floor tiles to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.
- G. Floor Polish: Remove soil, adhesive, and blemishes from floor tile surfaces before applying liquid floor polish.
  - 1. Apply two coats.

END OF SECTION 096519

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SECTION 099000 - PAINTING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Interior paint and coating commercial systems including surface preparation.
- B. Exterior paint and coating systems including surface preparation.

1.2 REFERENCES

- A. Steel Structures Painting Council (SSPC):
  - 1. SSPC-SP 1 - Solvent Cleaning.
  - 2. SSPC-SP 2 - Hand Tool Cleaning.
  - 3. SSPC-SP 3 - Power Tool Cleaning.
  - 4. SSPC-SP 13 / NACE No. 6 Surface Preparation for Concrete.
- B. Material Safety Data Sheets / Environmental Data Sheets: Per manufacturer's MSDS/EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: For each paint system indicated, including.
  - 1. Product characteristics.
  - 2. Surface preparation instructions and recommendations.
  - 3. Primer requirements and finish specification.
  - 4. Storage and handling requirements and recommendations.
  - 5. Application methods.
  - 6. Cautions for storage, handling and installation.
- C. Selection Samples: Submit a complete set of color chips that represent the full range of manufacturer's products, colors and sheens available.
- D. Verification Samples: For each finish product specified, submit samples that represent actual product, color, and sheen.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
- B. Paint exposed surfaces. If a color of finish, or a surface is not specifically mentioned, Architect will select from standard products, colors and sheens available.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts,

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and labels unless indicated.

- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish surfaces for verification of products, colors and sheens.
  - 2. Finish area designated by Architect.
  - 3. Provide samples that designate primer and finish coats.
  - 4. Do not proceed with remaining work until the Architect approves the mock-up.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver manufacturer's unopened containers to the work site. Packaging shall bear the manufacturer's name, label, and the following list of information.
  - 1. Product name, and type (description).
  - 2. Application and use instructions.
  - 3. Surface preparation.
  - 4. VOC content.
  - 5. Environmental handling.
  - 6. Batch date.
  - 7. Color number.
- B. Storage: Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- C. Store materials in an area that is within the acceptable temperature range, per manufacturer's instructions. Protect from freezing.
- D. Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

#### 1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

#### 1.7 EXTRA MATERIALS

- A. Furnish extra paint materials from the same production run as the materials applied and in the quantities described below. Package with protective covering for storage and identify with labels describing contents. Deliver extra materials to Owner.
- B. Furnish Owner with an additional one percent of each material and color, but not less than 1 gal (3.8 l) or 1 case, as appropriate.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

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- A. Acceptable Manufacturer: Sherwin-Williams, which is located at: 101 Prospect Ave.; Cleveland, OH 44115; ASD Toll Free Tel: 800-524-5979; Tel: 216-566-2000;
- B. Architect-approved equivalent.

## 2.2 APPLICATIONS/SCOPE

- A. Interior Paint and Coating Commercial Systems:
  - 1. Masonry: Concrete masonry units
  - 2. Metal: Hollow Metal Doors, Jambs, and miscellaneous ferrous metals.
  - 3. Drywall: Gypsum wallboard.
- B. High Performance Interior Paint and Coating Systems:
  - Masonry: Concrete masonry units – immersion service in showers
- C. Exterior Paint and Coating Systems:
  - 1. Masonry: Concrete masonry units.
  - 2. Metal: Hollow Metal Doors, Jambs, and miscellaneous ferrous metals

## 2.3 PAINT MATERIAL - GENERAL

- A. Paints and Coatings:
  - 1. Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
  - 2. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color. Or follow manufactures product instructions for optimal color conformance.
- B. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.
- C. Coating Application Accessories: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required, per manufacturer's specifications.
- D. Color: Refer to Finish Schedule for paint colors, and as selected by Architect.

## 2.4 INTERIOR PAINT AND COATING COMMERCIAL SYSTEMS

- A. Masonry CMU:
  - 1. Epoxy Systems; Waterbased: Single Component
    - a. Eg-Shel/Low Luster Finish:
      - 1) 1st Coat: S-W Loxon Block Surfacer, LX01W200 (50-100 sq ft/gal).
      - 2) 2nd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Epoxy, K45-Series.
      - 3) 3rd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Epoxy, K45-Series (4.0 mils wet, 1.5 mils dry per coat).

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- B. Masonry CMU: (Inside Concession Area)
  - 1. Epoxy System; Waterbased: Two Component
    - a. Eg-Shel/Low Luster Finish:
      - 1) 1st Coat: S-W Heavy Duty Block Filler, B42W46 (18.0-13.0 mils wet, 10.0-18.0 mils wet).
      - 2) 2nd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series.
      - 3) 3rd Coat: S-W Pro Industrial Waterbased Catalyzed Epoxy Eg-Shel, B73-360 Series (5.0-10.0 mils wet, 2.0-4.0 mils dry per coat).
- C. Drywall:
  - 1. Latex Systems; (Flat finish for Ceilings)
    - a. Eg-Shel/Low Luster Finish:
      - 1) 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28W2600 (4 mils wet, 1.5 mils dry).
      - 2) 2nd Coat: S-W ProMar 200 Zero VOC Interior Latex Flat, B30W12650 Series
      - 3) 3rd Coat: S-W ProMar 200 Zero VOC Interior Latex Flat, B30W12650 Series (4 mils wet, 1.4 mils dry per coat).
- D. Metal: Hollow Metal Doors, Frames, and Miscellaneous Ferrous Metals.
  - 1. Alkyd Systems; Waterbased:
    - a. Semi-Gloss Finish:
      - 1) 1st Coat: S-W Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series (5.0 mils wet, 2.0 mils dry).
      - 2) 2nd Coat: S-W Pro Industrial Waterbased Alkyd Urethane Enamel Semi-Gloss, B53-1150 Series.
      - 3) 3rd Coat: S-W Pro Industrial Waterbased Alkyd Urethane Enamel Semi-Gloss, B53-1150 Series (4.0-5.0 mils wet, 1.4 - 1.7 mils dry per coat).

## 2.5 EXTERIOR PAINT AND COATING SYSTEMS

- A. Metal – Hollow Metal Doors, Frames, and Miscellaneous Ferrous Metals.
  - 1. Urethane System; Waterbased:
    - a. Gloss Finish Single Component:
      - 1) 1st Coat: S-W Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series. (5.0-10.0 mils wet, 1.8-3.6 mils dry).
      - 2) 2nd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss, B65-120 Series.
      - 3) 3rd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss, B65-120 Series. (6.0-12.0 mils wet, 1.9-3.8mils dry per coat).

## PART 3 EXECUTION

### 3.1 EXAMINATION

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- A. Do not begin installation until substrates have been properly prepared; notify Architect of unsatisfactory conditions before proceeding. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- B. Proceed with work only after conditions have been corrected and approved by all parties, otherwise application of coatings will be considered as an acceptance of surface conditions.
- C. Previously Painted Surfaces: Verify that existing painted surfaces do not contain lead based paints, notify Architect immediately if lead based paints are encountered.

### 3.2 SURFACE PREPARATION

- A. General: Surfaces shall be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint or other contamination to ensure good adhesion.
  - 1. Prior to attempting to remove mildew, it is recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions are advised.
  - 2. Remove mildew before painting by washing with a solution of 1 part liquid household bleach and 3 parts of warm water. Apply solution and scrub the mildewed area. Allow solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow surface to dry before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.
  - 3. Remove items including but not limited to thermostats, electrical outlets, switch covers and similar items prior to painting. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
  - 4. No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50 degrees F (10 degrees C), unless products are designed specifically for these conditions. On large expanses of metal siding, the air, surface and material temperatures must be 50 degrees F (10 degrees F) or higher to use low temperature products.
- B. Concrete Block: Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75 degrees F (24 degrees C). The pH of the surface should be between 6 and 9 unless the products are designed to be used in high pH environments. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound.
- C. Concrete, SSPC-SP13 or NACE 6: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast

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slabs, masonry walls, and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a sound, uniform substrate suitable for the application of protective coating or lining systems.

- D. Drywall - Interior: Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting.
- E. Steel: Structural, Plate, And Similar Items: Should be cleaned by one or more of the surface preparations described below. These methods are used throughout the world for describing methods for cleaning structural steel. Visual standards are available through the Society of Protective Coatings. A brief description of these standards together with numbers by which they can be specified follow.
  - 1. Solvent Cleaning, SSPC-SP1: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation.
  - 2. Hand Tool Cleaning, SSPC-SP2: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1.
  - 3. Power Tool Cleaning, SSPC-SP3: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1.

### 3.3 INSTALLATION

- A. Apply all coatings and materials with the manufacturer's specifications in mind. Mix and thin coatings according to manufacturer's recommendations.
- B. Do not apply to wet or damp surfaces. Wait at least 30 days before applying to new concrete or masonry. Or follow manufacturer's procedures to apply appropriate coatings prior to 30 days. Test new concrete for moisture content. Wait until wood is fully dry after rain or morning fog or dew.
- C. Apply coatings using methods recommended by manufacturer.
- D. Uniformly apply coatings without runs, drips, or sags, without brush marks, and with consistent sheen.
- E. Apply coatings at spreading rate required to achieve the manufacturers recommended dry film thickness.
- F. Regardless of number of coats specified, apply as many coats as necessary for complete



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hide, and uniform appearance.

- G. Inspection: The coated surface must be inspected and approved by the Architect just prior to the application of each coat.

#### 3.4 PROTECTION

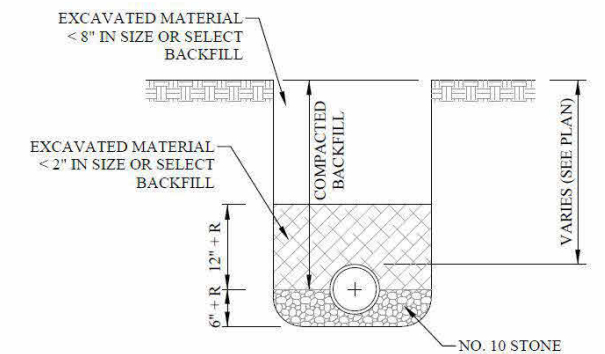
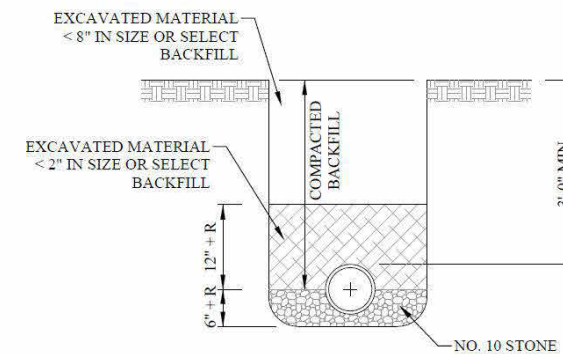
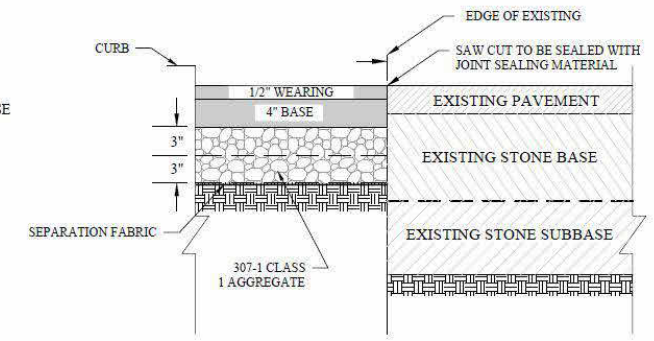
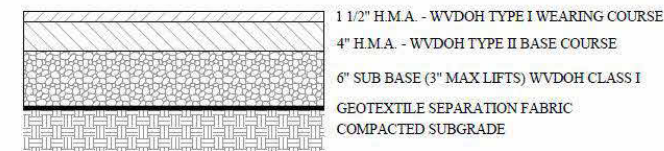
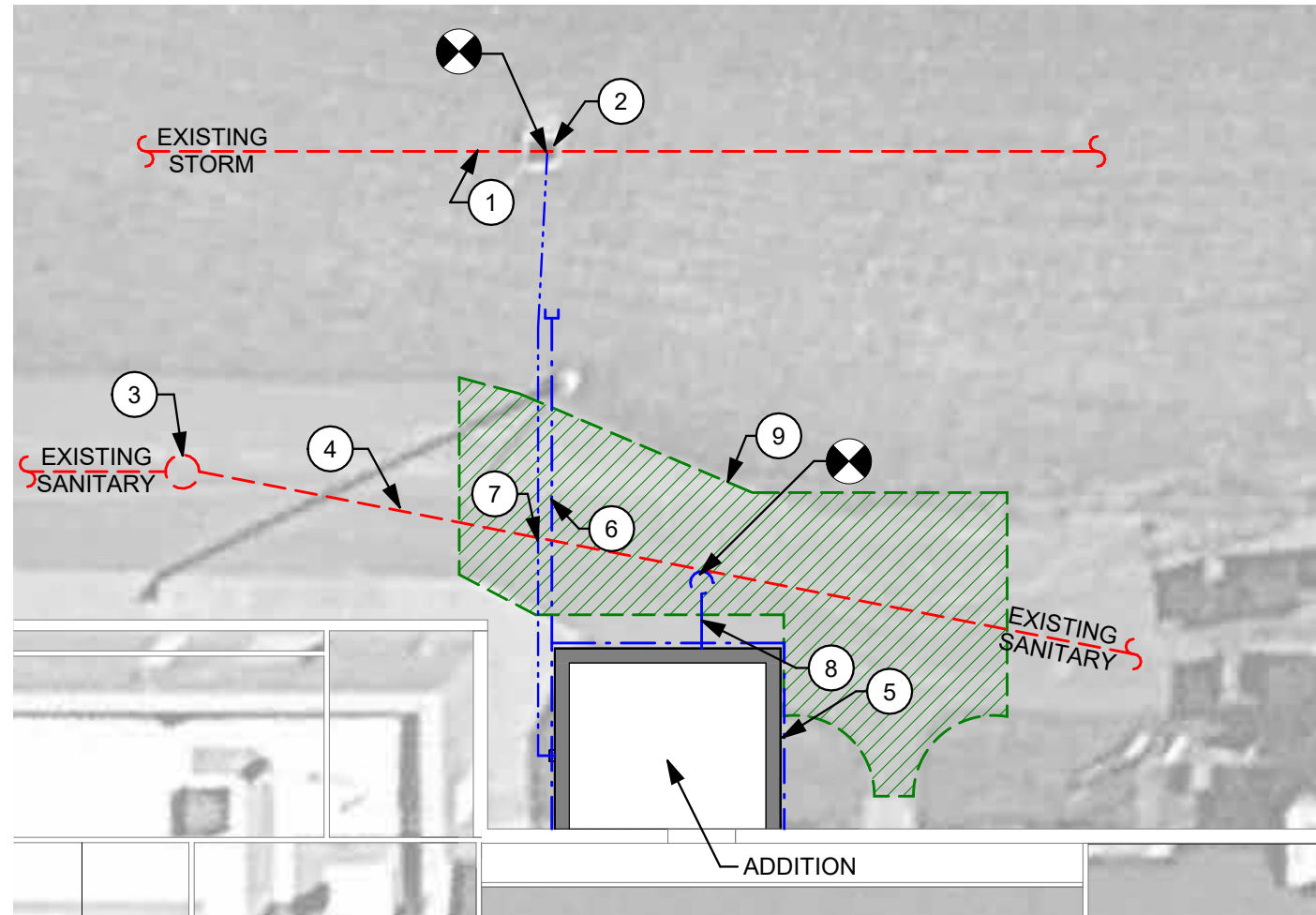
- A. Protect finished coatings from damage until completion of project.
- B. Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

END OF SECTION

ADDED: ADDENDUM #1  
August 4, 2023  
T60-11068

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**1 CONCESSIONS SITE PLAN**  
SK - 1 1/16" = 1'-0"

**CONSTRUCTION NOTES - ADDENDUM #1**

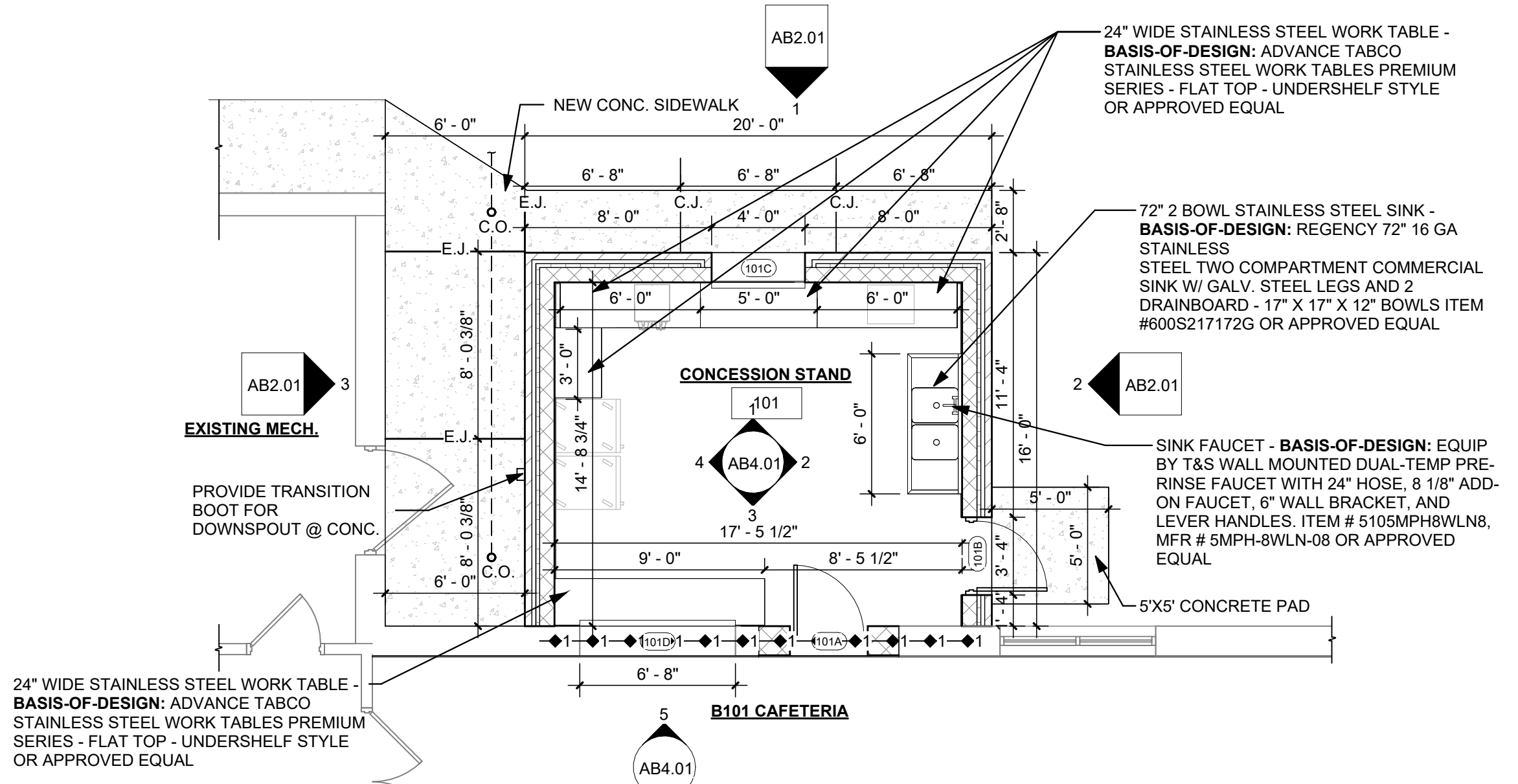
NOTE #	DESCRIPTION
1	EXISTING STORMLINE - ASSUME 24" DIAMETER
2	EXISTING CONCRETE STORM INLET - ASSUME POINT OF CONNECTION 36" BELOW GRADE TO TOP OF NEW LINE
3	EXISTING SANITARY MANHOLE
4	EXISTING SANITARY LINE - ASSUME 12" DIAMETER
5	FOUNDATION DRAIN - 4" PERFORATED PVC SDR 35 W/ HOLES UP, IN CONTINUOUS 12"x12" CLEAN #57 STONE WRAPPED IN FILTER FABRIC
6	FOUNDATION DRAIN EXTENSION - 4" PVC SDR 35 SLOPED AT 1/8":12" MINIMUM AND DAYLIGHT AT SLOPE. SEE ATTACHED TRENCH DETAILS. ASSUME 50'
7	STORMLINE - 6" PVC SDR 35, WITH PRE-FORMED ANGLES AND OTHER PIECES REQUIRED TO CONTINUE UNDER SERVICE DRIVE, DOWN BANK, AND TIE INTO EXISTING CONCRETE INLET. SEE ATTACHED TRENCH DETAILS. ASSUME 75'
8	SANITARY LINE - 3", CONNECT TO EXISTING SANITARY LINE. SEE ATTACHED TRENCH DETAILS. ASSUME 20' OUTSIDE OF ADDITION.
9	REMOVE AND REPAIR EXISTING ASPHALT AND BASE AS REQUIRED FOR TRENCHING. SEE ATTACHED PAVING/REPAIR DETAILS. ASSUME 100 SY

# ROOM FINISH SCHEDULE

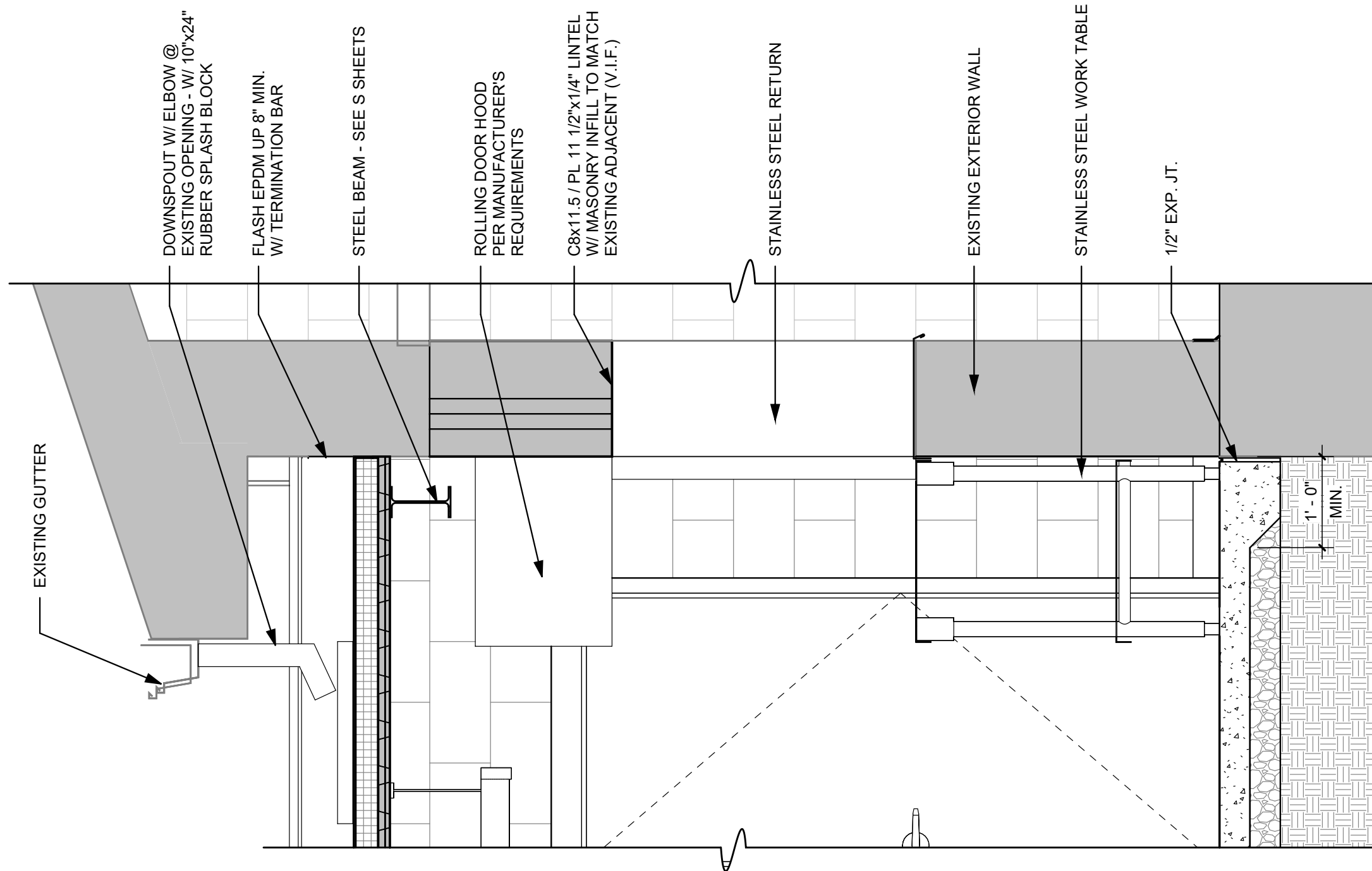
ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH				CEILING HEIGHT	CEILING FINISH	REMARKS
				NORTH	EAST	SOUTH	WEST			
101	CONCESSION STAND	SEALED CONC.	RESILIENT	PAINT	PAINT	PAINT	PAINT	O.T.A.	PAINT	
B101	CAFETERIA	VCT*	RESILIENT**	PAINT***	PAINT***	PAINT***	PAINT***	****	****	

**NOTES:**

- \* INFILL AT NEW DOOR OPENING. MATCH EXISTING.
- \*\* READHERE EXISITNG OR REPLACE BASE DISTURBED BY CONSTRUCTION. MATCH EXISTING.
- \*\*\* REPAINT AREAS DISTURBED BY CONSTRUCTION. ASSUME 120 SF. MATCH EXISTING.
- \*\*\*\* PAINT REFINISHED DRYWALL BULKHEAD. MATCH EXISTING.



**1** CONCESSIONS FLOOR PLAN - REVISED  
SK - 2 3/16" = 1'-0"



EXISTING GUTTER

DOWNSPOUT W/ ELBOW @  
EXISTING OPENING - W/ 10"x24"  
RUBBER SPLASH BLOCK

FLASH EPDM UP 8" MIN.  
W/ TERMINATION BAR

STEEL BEAM - SEE S SHEETS

ROLLING DOOR HOOD  
PER MANUFACTURER'S  
REQUIREMENTS

C8x11.5 / PL 11 1/2"x1/4" LINTEL  
W/ MASONRY INFILL TO MATCH  
EXISTING ADJACENT (V.I.F.)

STAINLESS STEEL RETURN

EXISTING EXTERIOR WALL

STAINLESS STEEL WORK TABLE

1/2" EXP. JT.

1'-0"  
MIN.

1 WALL SECTION - CONCESSION STAND

3/4" = 1'-0"

1  
SK - 3