

ADDENDUM #1 – FEBRUARY 24, 2025

RE: CITY OF PORT ORFORD
Community Building Remodel
Project #18.27.2

FROM: HGE ARCHITECTS, Inc.
333 South 4th Street
Coos Bay, Oregon 97420
541-269-1166



TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Documents dated February 2025, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of **FIVE (5)** page(s) together with the following attachments:

- **Plan Holders List with Architect's Estimate (for information only)**
- **Davis-Bacon General Decision Number: OR20250065**
- **Specification Section 03-3511 Concrete Floor Finishes**
- **Specification Section 07-6100 Sheet Metal Roofing**
- **Specification Section 07-6200 Sheet Metal Flashing and Trim**
- **Specification Section 08-1113 Hollow Metal Doors and Frames**
- **Specification Section 09-6500 Resilient Flooring**
- **Specification Section 09-6813 Tile Carpeting**
- **Specification Section 09-8430 Sound-Absorbing Wall and Ceiling Units**
- **Specification Section 10-2600 Wall and Door Protection**
- **Specification Section 28-1000 Access Control**

CHANGES TO PROJECT MANUAL:

- 1. Section 00-0100 Table of Contents:**
 - a. **Paragraph 1.01, V, 2:** REVISE to read "Davis-Bacon Act Curry County Wage Rates, General Decision Number: OR20250065, dated 1/03/2025"
 - b. **Paragraph 2.03:** ADD "C. 03-3511 - Concrete Floor Finishes".
 - c. **Paragraph 2.04:** ADD "B. 05-5150 - Ladders".
 - d. **Paragraph 2.14:** ADD "A. 28-1000 - Access Control".
- 2.** Per Instructions to Bidders, AIA A701, Article 3.2.2 – Clarifications, questions, substitution requests and other inquiries shall be submitted to Architect 7 days prior to bid closing (February 27). Per Article 3.4.3, addenda will be issued not later than 4 days prior to bid closing (March 3).
- 3. Section 00-4100 Bid Form, Paragraph 1.07, Item A:** REPLACE "(180)" with "(270)".

4. **Section 00-7346 Prevailing Wage Rates, Davis Bacon Requirements:** REPLACE with the attached revised document in entirety.
5. **Section 03-3511 Concrete Floor Finishes:** ADD attached section in its entirety.
6. **Section 07-6100 Sheet Metal Roofing:** ADD attached section in its entirety.
7. **Section 07-6200 Sheet Metal Flashing and Trim:** ADD attached section in its entirety.
8. **Section 08-1113 Hollow Metal Doors and Frames:** REPLACE with the attached revised section in its entirety.
 - a. **Revisions Include:** Addition of stainless-steel hollow metal doors and frames.
9. **Section 08-7100 Door Hardware:**
 - a. **Paragraph 2.07 Cylindrical Locksets:** After “A. Cylindrical Locksets – Basis of Design: Schlage ND Series,” ADD “Lever Style: Rhodes.”
 - b. **Paragraph 4.03, Hardware Set HW-10F:** DELETE Hardware Set in its entirety.
 - c. **Paragraph 4.03, Hardware Set HW-11:** ADD the following:
 - i. Lockset, Office.
 - ii. Electric Strike.
 - iii. Card Reader.
 - iv. Door Position Switch.
 - v. Request to Exit.
 - d. **Paragraph 4.03, Hardware Set HW-28:** ADD the following:
 - i. Motorized Panic Device.
 - ii. Hold Opens.
 - iii. Card Reader.
 - iv. Door Position Switch.
 - v. Request to Exit.
 - vi. Power Transfer.
 - vii. Power Supply.
 - viii. Note: Door, one leaf, to provide hardware for Staff/authorized personnel to gain access with card reader when locked. Staff may “dog-down” panic devices if desired.
10. **Section 09-6500 Resilient Flooring:** ADD attached section in its entirety.
11. **Section 09-6813 Tile Carpeting:** ADD attached section in its entirety.
12. **Section 09-8430 Sound-Absorbing Wall and Ceiling Units:** ADD attached section in its entirety.

13. Section 09-9000 Paints and Coatings, Paragraph 2.03: ADD the following:

- E. Paint WE-TR-V – Wood, Transparent, Varnish, No Stain:
1. Three coats sealer; Sikkens Cetol Marine Wood Finish.
 2. Location: Exterior guardrail wood top.

14. Section 10-2600 Wall and Door Protection: ADD attached section in its entirety.

15. Section 28-1000 Access Control: ADD attached section in its entirety.

16. Section 32-1723.13 Painted Pavement Markings, Paragraph 2.01: DELETE Item “B. Crosswalks, Stop Bars, and Arrows” in its entirety.

CHANGES TO DRAWINGS:

1. Sheet A1.0 Demo Site Plan:

- a. REPLACE two (2) notes “Ext’g fuel tank and service lines to be removed in entirety” with “Ext’g fuel tank to be removed by Owner. Remove service lines in entirety.”
- b. ADD general note: “Note: Owner to remove existing plywood at stage and (2) propane fired unit heaters prior to construction.”

2. Sheet A2.0 Existing / Demo Plan: ADD note on north side of building: “Remove existing awning and support structure.”

3. Sheet A2.1 Floor Plan:

- a. After two (2) notes “Curtain,” ADD “N.I.C.”.
- b. At Door #s 1A, 1B, 9, & 15B: ADD the following Card Reader symbol:



4. Sheet A3.1 Building Sections, North-South Section 1: After note “Platform Curtain Track,” ADD “N.I.C.”.

5. Sheet A6.2 Interior Elevations, Proscenium Opening Head: After note “Curtain track per manuf.,” ADD “N.I.C.”.

6. Sheet A7.1 Schedules:

- a. In Finish List, REPLACE LVT-1 with the following:

LVT-1
Resilient Vinyl Tile
Mannington
Spacia Collection
6” x 36”
Nordic Oak

- b. In Door Schedule, at Door #s: 1A, 1B, 9, & 15B: ADD “Access Control” to Notes.

7. Sheet P2.1 Plumbing Floor Plan: At note “1.5-inch meter...” REPLACE “Coordinate with City of Port Orford for acquisition,” with “City of Port Orford to provide, coordinate with Public Works for acquisition and install requirements.”

8. **Sheet M1.0 Mechanical Demo Plan:** After note “Existing propane fired unit heater to be removed,” ADD “by owner.”

9. **Sheet E1.1 Electrical Plans Demolition:** REPLACE Sheet Title with “Electrical Plans Site”.

SUBSTITUTION APPROVALS:

<u>SPECIFIED SECTION</u>	<u>SPECIFIED ITEM</u>	<u>APPROVED</u>
07-4213 Metal Wall Panels	Metal Wall Panels	TBC - Symmetry F64
26-5100 Lighting Fixtures	CH	H.E. Williams, Inc. 75S-4-L43/840-DIM-UNV
		Viscor Lighting LCOM48-LED840K044LUNV-P77
	D6	Lightolier by Signify DL6RSLMZ10SCTU
		Luminoso TWRP6-12-CCTS-Z-W
	D6P	H.E. Williams, Inc. 6CR-TL-10-L20/835- CONTROLS.READY-BLK-O-X-SG
		Peachtree Lighting C6BLR-23-DMLV10-35K-80-SH- BK-PND
	D6R	H.E. Williams, Inc. 6DR-TL-L30/835- CONTROLS.READY-UNV-O-X- OF-SG-MWT
		Peachtree Lighting 6RDL-20-DMLV1-35K-80-SH-120- 277
	D6S	H.E. Williams, Inc. 6DR-TL-L30/835- CONTROLS.READY-UNV-O-WW- OF-SG-MWT
		Peachtree Lighting 6BLRD-D-35-DMLV10-RWWD- 35K-80-LHN
FP14	H.E. Williams, Inc. BP-14-LS/8CS-BP14SMK-W-DIM- UNV	

	W1	Stonco by Signify RWP30-SCT-G1-10-BZ-SCT-G1-10-BZ
	X	Even-Lite TLP-NICAD-R-XX-W
		Mule Lighting AL-U-R-WW
	EM	Even-Lite TELESIS TCS-W-L67
		Mule Lighting MRDR-6-12-LED-W
	Controls	Lutron

END OF ADDENDUM #1

PLANHOLDERS LIST

Project Number and Name: 18.27.2 Port Orford Community Building Remodel

Bid Opening Time and Date: Thursday, March 6, 2025

Bid Opening Location: Go-To Meeting, See Advertisement for Bid

Deposit Amount: \$50 **Architect's Estimate:** \$1,200,000

	Company Name	Category	Contact Person	Email	Phone/Fax
OWNER					
	City of Port Orford	Owner	Melissa Radcliffe, City Administrator Anne Vileisis, Mayor John Johnson Robert Feusi Tobe Porter	mradcliffe@portorford.org avileisis@portorford.org johnstonj6130@gmail.com feusirobert@gmail.com tobe1945porter@gmail.com	541.332.3681
FUNDING AGENCY					
	Business Oregon	Funding	Shelby Gonzales	shelby.m.gonzales@biz.oregon.gov	971.375.7892
	CCD Business Development Corporation	Funding	Lehi Dowell Michelle Elliot	l.dowell@ccdbusiness.com M.Elliott@ccdbusiness.com	541.672.6728
DESIGN TEAM					
	HGE ARCHITECTS, Inc.	Architect / Project Manager	Joseph Slack	joeslack@hge1.com	541.269.1166
	Cushing Terrell	Structural	Todd Young	toddyoung@cushingterrell.com	206.652.2403
	MFIA, Eng.	Mech/Plumb.	Scott Miller	scott.miller@mfia-eng.com	503.234.0548
	Double E. Eng.	Electr.	Greg Pride	greg@ee-engineering.com	541.294.0587

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	Company Name	Category	Contact Person	Email	Phone/Fax
PRIME / GENERAL CONTRACTORS (GC)					
	H3 General Contractors	GC	Tony Hansen	tony@h3generalcontractors.com	541.391.7321
	Vitus Construction	GC	Win Elder	corey@vitusconstruction.com	541.855.7177
	Lee-Built Construction	GC	Ben Adrian	estimating@leebuilt.com	541.688.2042
	Ordell Construction	GC	Jess Kokkeler	jkokkeler@ordellconstruction.com	541.214.8580
	Scott Partney Construction	GC	Scott Partney	scott@partneyconstruction.net	541.756.7060
SUBCONTRACTORS (SUB) / SUPPLIERS (SUPP)					
	Professional Quality Roofing	Sub	Phil Gambaldo	phil@proqualityroofing.com	503.267.4558
	Cedar Electric	Sub	Jerek Hudge	jerek@cedar-electric.com	541.756.3402
	M4 Electric	Sub	Jon Miller	jon@m3electricllc.com	541.297.0927
	Orca HVAC	Sub	Eric Marley	eric@franks-1.com	707.954.7479
	Tri-County Plumbing	Sub	Wes Plummer	wes@tri-countyplumbing.com	541.290.8723

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	Company Name	Category	Contact Person	Email	Phone/Fax
PLAN EXCHANGES (Exch)					
	DJC Plan Center	Exch	Plan Room	plancenter@DJCOregon.com	503-274-0624
	Seattle DJC	Exch		plans@djc.com	206-622-8272
	Builders Exchange of Washington, Inc.	Exch	Production Dept.	production@bxwa.com	425-258-1303
	Eugene Builders Exchange	Exch	Jeremy Moritz	info@ebe.org	541-484-5331
	Plan Center Northwest	Exch	Brie Kidwell	brie@plancenternw.com	503-650-0148
	Salem Contractors Exchange	Exch	Lori Klopfenstein	lori@sceonline.org	503-362-7957
	Premier Builders Exchange	Exch	Kendra Connelly Chyna Kennedy	admin@plansonfile.com	541.389.0123
	Medford Builders Exchange	Exch	Tim O'Sullivan	planroom@medfordbuilders.com	541.773.5327
	Dodge Data & Analytics	Exch	Adam Bouman	projectdata@construction.com	
	Tri-City Construction Council	Exch	Kailey Casey	bidinfo@tcplancenter.com	509.582.7424
	Spokane Regional Plan Center	Exch	Robyn Stevens	robyns@plancenter.net	509.328.9600
	Construction Connect	Exch	Amanda Beyer	Content@constructconnect.com	513.458.5837

"General Decision Number: OR20250065 01/03/2025

Superseded General Decision Number: OR20240065

State: Oregon

Construction Type: Heavy

County: Curry County in Oregon.

HEAVY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the

GROUP 1: CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments;

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom;

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over

GROUP 2: CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment); Rubber tired scraper with tandem scrapers; Loader 120,000 lbs and above; BLADE: Auto Grader; Blade Operator-Robotic; Bulldozer over 120,000 lbs and above;

GROUP 3: HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); Rubber Tired Scraper: with tandem scrapers; self loading, paddle wheel, auger type, finish and/or 2 or more units; Loader 60,000 lbs and less than 120,000 lbs; Bulldozer over 70,000 lbs up to and including 120,000 lbs;

GROUP 4: CRANE: Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; TRACKHOE/BACKHOE-ROBOTIC: track and wheel type, up to and including 20,000 lbs. with any or all attachments; BLADE: Blade Operator; Tractor operator with boom attachment; DRILLING: Churn Drill and Earth Boring Machine Operator; Directional Drill Operator over 20,000 lbs pullback; CRANE: Chicago boom and similar types; Boom type lifting device, 5 ton capacity or less; Rubber-Tired Scraper, single engine, single scraper; Compactor-Self Propelled; Loaders 25,000 lbs and less than 60,000 lbs; Bulldozer over 20,000 lbs and more than 100 horse up to 70,000 lbs; Screed; Compactor with blade

GROUP 5: TRACKHOE/BACKHOE HYDRAULIC: Track type up to and

including 20,000 lbs, Wheel type (Ford, John Deer, Case Type); Boom truck operator; DRILLING: Churm Drill and Earth Boring Machine Operator; Directional Drill Operator less than 20,000 lbs pullback; Loaders, rubber tired type , less than 25,00 lbs; Forklift over 5 ton, Bulldozer 20,000 lbs or 100 horses or less; Roller; Compactor without blade

GROUP 6: LOADERS: (less than 1 cu yd.); Oiler; Grade Checker; Crane oiler; Forklift; Roller (non-asphalt)

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens ""Blast Zone"" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

 ENGI0701-037 01/01/2024

	Rates	Fringes
POWER EQUIPMENT OPERATOR:		
(PIPELINE)		
GROUP 2.....	\$ 54.75	16.90
GROUP 3.....	\$ 53.60	16.90
GROUP 4.....	\$ 50.27	16.90
GROUP 5.....	\$ 49.03	16.90

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 2: Bulldozer over 120,000 lbs and above;

GROUP 3: Bulldozer over 70,000 lbs up to and including 120,000 lbs;

GROUP 4: TRACKHOE/BACKHOE-ROBOTIC: track and wheel type, up to and including 20,000 lbs. with any or all attachments; Bulldozer over 20,000 lbs and more than 100 horse up to 70,000 lbs

GROUP 5: TRACKHOE/BACKHOE HYDRAULIC: Track type up to and including 20,000 lbs, Wheel type (Ford, John Deer, Case Type); Bulldozer 20,000 lbs or 100 horses or less

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IRON0029-013 01/01/2024

	Rates	Fringes
IRONWORKER (Reinforcing and Structural).....	\$ 43.82	34.02

LABO0737-031 06/01/2024

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 39.11	17.30
GROUP 2.....	\$ 40.41	17.30

LABORER CLASSIFICATIONS

GROUP 1: Asphalt Spreader

GROUP 2: Grade Checker

PAIN0010-006 07/01/2024

	Rates	Fringes
Painters:		
Brush, Roller and Spray.....	\$ 37.69	15.80

PLAS0555-006 06/01/2024

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER....	\$ 45.13	20.05

TEAM0037-012 06/01/2024

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 33.09	17.58
GROUP 2.....	\$ 33.24	17.58
GROUP 3.....	\$ 33.40	17.58
GROUP 4.....	\$ 33.72	17.58

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Water Truck up to 3,000 gallons

GROUP 2: Water Truck over 3,000 to 5,000 gallons

GROUP 3: Water Truck over 5,000 to 10,000 gallons

GROUP 4: Water Truck over 10,000 to 15,000 gallons

SUOR2009-063 11/23/2009

	Rates	Fringes
LABORER: Common or General.....	\$ 20.31	7.26
LABORER: Flagger.....	\$ 18.76	6.15
LABORER: Mason Tender - Cement/Concrete.....	\$ 21.27	5.35
LABORER: Pipelayer.....	\$ 20.77	6.51
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 22.77	7.90

OPERATOR: Broom/Sweeper.....	\$ 32.31	6.43
OPERATOR: Excavator.....	\$ 21.73	6.32
OPERATOR: Mechanic.....	\$ 20.64	5.58
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 27.59	2.96
TRUCK DRIVER: Dump Truck.....	\$ 17.22 **	4.83
TRUCK DRIVER: Off the Road Truck.....	\$ 31.81	6.33

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within

the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the

collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter

d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210.

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END OF GENERAL DECISION"

**SECTION 03-3511
CONCRETE FLOOR FINISHES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface treatments for concrete floors and slabs.
- B. Joint filler.
- C. Clear coatings.
- D. Clear penetrating sealers.

1.02 RELATED REQUIREMENTS

- A. Section 03-3000 - Cast-in-Place Concrete: Finishing of concrete surface to tolerance; floating, troweling, and similar operations; curing.

1.03 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's published data on each finishing product, including information on compatibility of different products and limitations.

1.04 MOCK-UP

- A. For coatings, construct mock-up area under conditions similar to those that will exist during application, with coatings applied.
- B. Mock-Up Size: 10 feet square.
- C. Locate where directed.
- D. Mock-up may remain as part of the work.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's sealed packaging, including application instructions.

1.06 FIELD CONDITIONS

- A. Maintain light level equivalent to a minimum 200 W light source at 8 feet above the floor surface over each 20 foot square area of floor being finished.
- B. Do not finish floors until interior heating system is operational.
- C. Maintain ambient temperature of 50 degrees F minimum.

1.07 WARRANTY

- A. See Section 01-7800 - Closeout Submittals for additional warranty requirements.
- B. Correct defective work within a two-year period commencing on the Date of Substantial Completion.

PART 2 PRODUCTS

2.01 CONCRETE FLOOR FINISH APPLICATIONS

- A. Unless otherwise indicated, all concrete floors are to be finished using high gloss sealer.
- B. Joint Filler:
 - 1. Use at following locations: Refer to Room Finish Schedule for floors noted as Concrete Sealer.
 - 2. Product: SPAL-PRO Heavy Duty Semi-Rigid Polyurea Joint Filler, by Metzger/McGuire, www.metzgermcguire.com, 1-800-223-MM80.
 - a. Rapid setting polyurea polymer liquid of 100% solids. Hardness Shore A86-90.
 - b. Suitable for Industrial Concrete Floors.
 - c. Tensile Strength: 970 psi.
 - d. Tensile Elongation: 180%.
 - e. Adhesion to Concrete: 350-400 psi.
 - 3. Or equivalent.
- C. Color Coatings:
 - 1. Use at following locations: Refer to Room Finish Schedule for floors noted as Concrete Sealer. Refer to below.
- D. Penetrating Clear Sealer:
 - 1. Use at following locations: Refer to Room Finish Schedule for floors noted as Concrete Sealer. Refer to below.

2.02 COATINGS

- A. High Gloss Clear Coating: Transparent, non-yellowing, water- or solvent-based coating.
 - 1. Composition: Acrylic polymer-based.
 - 2. Nonvolatile Content: 15 percent, minimum, when measured by volume.
 - 3. Products:
 - a. Proclaim Concrete Floor Coating, Buckeye International, Inc.
 - 1) Cirene Concrete Sealer - spray applied or mop application. Add Buckeye "Sparkle" cleaner as needed: 1 quart/10 gallons of Cirene.
 - 2) Proclaim Concrete Floor Coating - 4 coats.
 - 3) Install rubber base after coating work is complete.
 - b. PROSOCO equivalent system.
 - c. Substitutions: See Section 01-6000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that floor surfaces are acceptable to receive the work of this section.
- B. Verify that flaws in concrete have been patched and joints filled with methods and materials suitable for further finishes.

3.02 GENERAL

- A. Apply materials in accordance with manufacturer's instructions.

3.03 COATING APPLICATION

- A. Verify that surface is free of previous coatings, sealers, curing compounds, water repellents, laitance, efflorescence, fats, oils, grease, wax, soluble salts, residues from cleaning agents, and other impediments to adhesion.
- B. Verify that water vapor emission from concrete and relative humidity in concrete are within limits established by coating manufacturer.
- C. Protect adjacent non-coated areas from drips, overflow, and overspray; immediately remove excess material.
- D. Fill all joints, crack control joints and cracks with heavy duty semi-rigid polyurea joint filler, in strict accordance with manufacturer recommendations.
- E. Rubber wall base to be installed AFTER coating work is complete.
- F. Apply coatings in accordance with manufacturer's instructions, matching approved mock-ups for color, special effects, sealing and workmanship.

END OF SECTION

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**SECTION 07-6100
SHEET METAL ROOFING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sheet metal roofing, associated flashings, and underlayments.
- B. Tapered panel sheet metal roofing.
- C. Counterflashings, flashings, underlayments, and other requirements for complete roofing system.

1.02 RELATED REQUIREMENTS

- A. Section 01-2300 - Alternates- Asphalt Shingles.
- B. Section 07-2500 - Weather Barriers, flashing at openings, gutter trim, etc.
- C. Section 07-6200 - Sheet Metal Flashing and Trim: Placement of flashing, gutters, downspouts, copings, reglets and accessories.

1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2018.
- B. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection; 2013.
- C. ASTM E1592 - Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.
- D. ASTM E1680 - Rate of Air Leakage Through Exterior Metal Roof Panel Systems.
- E. ASTM E1646 - Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference.
- F. ICC-ES AC188 - Acceptance Criteria for Roof Underlayments; 2012.
- G. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.
- H. UL 580 - Standard for Tests for Uplift Resistance of Roof Assemblies.

1.04 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.
- C. Warranty Documentation.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with SMACNA Architectural Sheet Metal Manual requirements and standard details, except as otherwise noted.
- B. Installer Qualifications: Company specializing in performing sheet metal roof installations with minimum 5 years of experience.
- C. Metal roofing system must meet the following performance criteria:
 - 1. Wind Uplift: class 90 per UL 580 and ASTM E1592 as required by ASCE 7. Required load is 90 psf located at the corners of the structure.
 - a. Panel system shall be ASTM E1592 tested under the supervision of an ANSI or ISO/IEC accredited laboratory and the laboratory shall issue the test report.
 - b. Deflection limits: Withstand wind loads with deflections no greater than 1/180 of the span.
 - 2. FM Rating: Class 1-120 according to FM Approvals Standard 4471.
 - 3. Air Infiltration: Tested in accordance with ASTM E1680.
 - a. 0.022 cfm per linear foot of joint at static test pressure differential of 12.00 psf.
 - 4. Water Infiltration Under Static Pressure: Tested with sidelap sealant per ASTM E1646.
 - a. No leakage through panel joints at 15.00 psf.
 - 5. Water Penetration: No leakage through panel sideseams and endlaps after six hours when tested according to ASTM E2140 at a static water pressure head of 6.00 inches.
 - 6. Thermal Movements: Accommodate thermal movement without buckling, joint opening, overstressing components, failure of connections, or other detrimental effects, through the following temperature changes:
 - a. 120 degrees F, ambient.
 - b. 180 degrees F, material surface.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Stack material to prevent twisting, bending, or abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- B. Comply with manufacturer's instructions.

1.07 WARRANTY

- A. See Section 01-7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide 30 year manufacturer warranty minimum for coating performance. Warranty shall include degradation of metal finish.
- C. Metal substrate will not rupture, fail structurally, or perforate.
- D. Installer's and General Contractor's Warranty: Warrant panels, flashings, sealants, fasteners and accessories against defective materials and/or workmanship, covering repairs required to maintain roof panels watertight and weatherproof with normal usage for two years following Project Substantial Completion date.
- E. Weathertight Performance Warranty: Manufacturer's standard warranty in which manufacturer agrees to repair or replace metal roof panel assemblies that fail to remain weathertight within 20 years.

- F. Pre-Finished Galvanized Steel Sheet: ASTM A653/A653M, with G90/Z275 zinc coating; 24 gage, 0.0239 inch minimum base metal thickness, shop pre-coated with modified silicone coating; color as selected.

1.08 MANUFACTURER

- A. Custom-Bilt Metals. 800-826-7813, info@custombiltmetals.com
 - 1. Panel Designation: "Titan CB-150", 1-1/2 inch high, mechanical seams.
- B. Taylor Metal Products. 800-574-1388, www.TaylorMetal.com
 - 1. Panel Designation: "MS-150", typical.
- C. AEP Span. 877-742-9131, customercare@aepspan.com
 - 1. Same as above - match.
- D. Color: As selected from standard color chart.
- E. Substitutions: See Section 01600 - Product Requirements.

1.09 ACCESSORIES

- A. Fasteners: Galvanized steel, with soft neoprene washers.
- B. Underlayment - Typical: Synthetic non-asphaltic sheet, intended by manufacturer for mechanically fastened roofing underlayment without sealed seams.
 - 1. Type: Rubberized asphalt Woven polypropylene with anti-slip polyolefin coating on both sides.
 - 2. Minimum Requirements: Comply with requirements of {rs#1} for non-self-adhesive sheet.
 - 3. Self Sealability: Passing nail sealability test specified in {rs#1}.
 - 4. Ultraviolet Resistance and Weatherability: Approved in writing by manufacturer for exposure to weather for minimum of 6 months.
 - 5. Low Temperature Flexibility: Passing test specified in {rs#1}.
 - 6. Fasteners: As specified by manufacturer and building code qualification report or approval, if any.
 - 7. Products - as approved by metal roofing manufacturer only:
 - a. Certainteed "Diamond Deck".
 - b. GAF "Tigerpaw".
 - c. Substitutions: See Section 01-6000 - Product Requirements.
 - 8. Location: Typical throughout entire roof deck designated to receive metal roofing panels. Refer to underlayment below for eaves, valleys, hips, roof penetrations, ect.
- C. Self-Adhesive Underlayment - Eaves, rake edges, roof/wall junctures, valleys, hips, ridges, and roof penetrations: High-Temperature Protection Self-Adhering Roofing Underlayment.
 - 1. Type: Rubberized asphalt compound laminated to cross laminated polyethylene film with slip resistant coating. 40 mil thick.
 - 2. Minimum Requirements: Comply with requirements of ICC-ES ESR#2206 for self-adhesive sheet.
 - 3. Self Sealability: Passing nail sealability test specified in ASTM D1970/D1970M.
 - 4. Ultraviolet Resistance and Weatherability: Approved in writing by manufacturer for exposure to weather for minimum of 3 months.
 - 5. Fasteners: As specified by manufacturer and building code qualification report or approval, if any.

- 6. Primer: Provide primer at all locations for self-adhesive membrane locations. Primer to be roll applied, type as recommended by membrane manufacturer.
 - 7. Products:
 - a. Blueskin PE200 HT.
 - b. Carlisle WIP300HT.
 - c. Palisade SA-HT
 - d. Substitutions: See Section 01-6000 - Product Requirements.
 - 8. Location: Eaves, rake edges, roof/wall junctures, valleys, hips, ridges, and roof penetrations.
- D. Fasteners: Stainless steel, with soft neoprene washers.

1.10 FABRICATION

- A. Configuration:
 - 1. Standing Seam: Roof panels shall consist of mechanical seam-locking standing seams 1-1/2 inch high, 16 inch on center.
 - 2. Tapered panel: Roof panels shall consist of mechanical seam-locking standing seams 1-1/2 inch high, 16 inch on center, tapered panels, true to radius point for uniform appearance.
- B. Form sections true to shape, accurate in size, square, and free from distortion or defects.
- C. Fabricate cleats of same material as sheet, same gage as roofing sheet.
- D. Fabricate starter strips, interlockable with sheet.
- E. Form pieces in single length sheets.
- F. Hem exposed edges on underside 1/2 inch; miter and seam corners.
- G. Form material with standing seams, except where otherwise indicated. At moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.

1.11 FACTORY FINISHING

- A. PVDF (Polyvinylidene Fluoride) Coating: Superior Performance Organic Finish, AAMA 2605; multiple coat, thermally cured fluoropolymer finish system; color as selected from manufacturer's standard colors.
- B. Primer Coat: On coated sheets, finish concealed side of sheet with primer compatible with finish system as recommended by finish system manufacturer.

PART 3 EXECUTION

2.01 EXAMINATION

- A. Inspect roof deck to verify deck is clean and smooth, free of depressions, waves, or projections, properly sloped to drains.
- B. Verify deck is dry and free of snow or ice. Verify joints in wood deck are solidly supported and fastened.
- C. Verify correct placement of wood nailers and insulation positioning between nailers.

- D. Verify roof openings, curbs, pipes, sleeves, ducts, or vents through roof are solidly set, reglets are in place, and nailing strips located.
- E. Verify roofing termination and base flashings are in place, sealed, and secure.

2.02 PREPARATION

- A. Install starter and edge strips, and cleats before starting installation.
- B. Back paint concealed metal surfaces and surfaces in contact with dissimilar metals with protective backing paint to a minimum dry film thickness of 15 mil.
- C. Place eave edge and gable edge metal flashings tight with fascia boards. Weather lap joints 2 inches and seal with plastic cement. Secure flange with nails spaced 6 inches OC.

2.03 INSTALLATION - ROOFING

- A. Apply underlayment over entire roof area.
 - 1. Prime and apply self-adhesive underlayment at all eaves, rake edges, roof/wall junctures, valleys, hips, ridges, and roof penetrations:
 - 2. Apply typical underlayment in single layer laid perpendicular to slope; weather lap edges 6 inches and nail in place.
- B. Cleat and seam all joints.
- C. Use plastic cement for joints between metal and bitumen and for joints between metal and felts.
- D. Install in complete accordance with roof panel manufacturer's instructions for assembly and installation.

2.04 INSTALLATION - STANDING SEAM ROOFING

- A. Lay sheets with long dimension perpendicular to eaves. Apply pans beginning at eaves.
- B. Lock cleats into seams and flatten.
- C. At eaves and gable ends, terminate roofing by hooking over edge strip.
- D. Fold lower ends of seams at eaves over at 45 degree angle.
- E. Form valleys of sheets not exceeding 10 feet in length. Lap joints 6 inches in direction of drainage.
- F. Extend valley sheet minimum 6 inches under roofing sheets.
- G. Seams shall be continuously locked or crimped together by mechanical means during installation. Seaming tools shall be sourced from manufacturer.
- H. Form seams with manufacturer-approved motorized seaming tool; completely engage panel, clip, and factory-applied sealant in seam.
- I. Comply with methods and recommendations of SMACNA Architectural Sheet Metal Manual for flashing configurations required.
- J. Accessories: Install trims, flashings, and roofing specialties according to Drawings and manufacturer's recommended details.

- K. Sealant Installation: Apply according to approved shop drawings and SMACNA Architectural Sheet Metal Manual recommendations.
 - 1. Provide airtight and waterproof installation.

2.05 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements, for field inspection requirements.
- B. Inspection will involve surveillance of work during installation to ascertain compliance with specified requirements.

2.06 PROTECTION

- A. Do not permit traffic over unprotected roof surface.

**SECTION 07-6200
SHEET METAL FLASHING AND TRIM**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fabricated sheet metal items, including flashings, counterflashings, gutters, and downspouts.
- B. Sealants for joints within sheet metal fabrications.

1.02 RELATED REQUIREMENTS

- A. Section 06-1000 - Rough Carpentry: Wood nailers for sheet metal work.
- B. Section 07-3113 - Asphalt Shingles: Non-metallic flashings associated with shingle roofing.
- C. Section 07-9005 - Joint Sealers.

1.03 REFERENCE STANDARDS

- A. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2017a.
- B. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2017a.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2018.
- D. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- E. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- F. ASTM D226/D226M - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing; 2009.
- G. ASTM D4586/D4586M - Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007, with Editorial Revision (2012).
- H. CDA A4050 - Copper in Architecture - Handbook; current edition.
- I. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.

1.04 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with SMACNA (ASMM) and CDA A4050 requirements and standard details, except as otherwise indicated.
- B. Fabricator and Installer Qualifications: Company specializing in sheet metal work with 5 years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- B. Prevent contact with materials that could cause discoloration or staining.

PART 2 PRODUCTS

2.01 SHEET MATERIALS

- A. Pre-Finished Galvanized Steel: ASTM A 653/A 653M, with G90/Z275 zinc coating; minimum 0.02 inch (24 gauge) thick base metal, shop pre-coated with modified silicone coating.
 - 1. Modified Silicone Polyester Coating: Pigmented Organic Coating System, AAMA 2603; baked enamel finish system.
 - 2. PVDF (Polyvinylidene Fluoride) Coating: Superior Performance Organic Finish, AAMA 2605; multiple coat, thermally cured fluoropolymer finish system; color as scheduled.
- B. Stainless Steel: ASTM A666, Type 304, soft temper, 28 gage (0.0156 inch) thick; smooth No. 4 finish.

2.02 ACCESSORIES

- A. Fasteners: Galvanized steel , with soft neoprene washers.
- B. Primer: Zinc chromate type.
- C. Protective Backing Paint: Zinc molybdate alkyd.
- D. Sealant to be Concealed in Completed Work: Non-curing butyl sealant.
- E. Sealant to be Exposed in Completed Work: {\rs\#1}; elastomeric sealant, 100 percent silicone with minimum movement capability of plus/minus 25 percent and recommended by manufacturer for substrates to be sealed; clear.
- F. Sealant: Type 1 specified in Section 07-9005.
- G. Plastic Cement: {\rs\#1}, Type I.

2.03 FABRICATION

- A. Form sections true to shape, accurate in size, square, and free from distortion or defects.
- B. Form pieces in longest possible lengths.
- C. Hem exposed edges on underside 1/2 inch; miter and seam corners.

- D. Form material with flat lock seams, except where otherwise indicated. At moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.
- E. Fabricate corners from one piece with minimum 18 inch long legs; seam for rigidity, seal with sealant.
- F. Fabricate vertical faces with bottom edge formed outward 1/4 inch (6 mm) and hemmed to form drip.
- G. Fabricate flashings to allow toe to extend 2 inches over roofing edge. Return and brake edges.

2.04 GUTTER AND DOWNSPOUT FABRICATION

- A. Gutters: SMACNA (ASMM) Rectangular profile.
- B. Downspouts: Rectangular profile.
- C. Gutters and Downspouts: Size indicated.
- D. Accessories: Profiled to suit gutters and downspouts.
 1. Anchorage Devices: In accordance with SMACNA requirements.
 2. Gutter Supports: Brackets.
 3. Downspout Supports: Brackets.
- E. Downspout Boots: Plastic.
- F. Seal metal joints.

2.05 ACCESSORIES

- A. Fasteners: Stainless steel, with soft neoprene washers.
- B. Concealed Sealants: Non-curing butyl sealant.
- C. Exposed Sealants: ASTM C920; elastomeric sealant, with minimum movement capability as recommended by manufacturer for substrates to be sealed; color to match adjacent material.
- D. Plastic Cement: ASTM D4586/D4586M, Type I.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify roof openings, curbs, pipes, sleeves, ducts, and vents through roof are solidly set, reglets in place, and nailing strips located.
- B. Verify roofing termination and base flashings are in place, sealed, and secure.

3.02 PREPARATION

- A. Install starter and edge strips, and cleats before starting installation.
- B. Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil.

3.03 INSTALLATION

- A. Conform to drawing details.
- B. Secure flashings in place using concealed fasteners. Use exposed fasteners only where permitted.
- C. Apply plastic cement compound between metal flashings and felt flashings.
- D. Fit flashings tight in place. Make corners square, surfaces true and straight in planes, and lines accurate to profiles.
- E. Seal metal joints watertight.
- F. Secure gutters and downspouts in place using concealed fasteners.
- G. Slope gutters 1/8 inch per foot minimum.
- H. Connect downspouts to downspout boots. Seal connection watertight.
- I. Set splash pads under downspouts.

3.04 FIELD QUALITY CONTROL

- A. See Section 01-4000 - Quality Requirements, for field inspection requirements.
- B. Inspection will involve surveillance of work during installation to ascertain compliance with specified requirements.

END OF SECTION

**SECTION 08-1113
HOLLOW METAL DOORS AND FRAMES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal doors and frames.
- B. Hollow metal frames for wood doors.
- C. Stainless-steel hollow metal doors and frames.

1.02 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
 - 1. Curries, an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Republic Doors: www.republicdoor.com.
 - 3. Steelcraft, an Allegion brand: www.allegion.com/#sle.
 - 4. Steelcraft: www.steelcraft.com.
 - 5. Substitutions: See Section 01-6000 - Product Requirements.
- B. Stainless-Steel Hollow Metal Doors and Frames:
 - 1. Curries, an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Steelcraft, an Allegion brand: www.allegion.com/#sle.
 - 3. Substitutions: See Section 01-6000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

- A. Requirements for Hollow Metal Doors and Frames:

1. Steel Sheet: Comply with one or more of the following requirements; galvanized steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
2. Accessibility: Comply with ICC A117.1 and ADA Standards.
3. Stainless Steel for Typical Exterior Locations: Type 304 alloy complying with ASTM A666.
4. Finish: Factory primed, for field finishing.

2.03 HOLLOW METAL DOORS

- A. Door Finish: Factory primed and field finished.
- B. Type 1 , Stainless-Steel Exterior Doors:
 1. Based on NAAMM HMMA Custom Guidelines: Comply with guidelines of NAAMM HMMA 866 for stainless-steel hollow metal doors.
 - a. Physical Endurance - Level A (1,000,000 cycles), in accordance with ANSI/SDI A250.4 for Swing Test.
 - b. Door Face Metal Thickness: 18 gage, 0.042 inch, minimum.
 2. Applications: Comply with designated application in accordance with NAAMM HMMA 866 guidelines.
 - a. Highly corrosive.
 3. Door Face Sheets: Stainless-steel, Type 316 alloy in compliance with ASTM A666.
 4. Door Core Material: Vertical steel stiffeners with mineral wool batts.
 5. Door Thermal Resistance: R-Value of 10.8, minimum.
 6. Door Thickness: 1-3/4 inches.

2.04 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Frame Finish: Factory primed and field finished.
- C. General:
 1. Comply with the requirements of grade specified for corresponding door.
 - a. ANSI A250.8 - SDI-100, Level 1 Door Frames: 16 gage, 0.053 inch, minimum thickness.
 - b. Frames for Wood Doors: Comply with frame requirements specified in ANSI A250.8 - SDI-100, Level 1, 16 gage, 0.053 inch
 2. Finish: Same as for door.
- D. Exterior Stainless Steel Door Frames:
 1. Provide welded type in compliance with NAAMM HMMA 866, with Type 304 alloy in compliance with ASTM A666.
 2. Frame Metal Thickness: 16 gage, 0.053 inch, minimum.
 3. Weatherstripping: Separate, see Section 08-7100.
- E. Interior Door Frames, Non-Fire Rated: Face welded type.
 1. Frame Metal Thickness: 16 gage, 0.053 inch, minimum.
- F. Frames for Wood Doors: Comply with frame requirements in accordance with corresponding door.

2.05 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

2.06 ACCESSORIES

- A. Door Window Frames: Door window frames with glazing securely fastened within door opening.
 - 1. Size: As indicated on drawings.
 - 2. Frame Material: 18 gauge, 0.0478 inch, stainless steel.
 - 3. Metal Finish: Gray polyester powder coating.
 - 4. Glazing: 1/4 inch thick, tempered glass, in compliance with requirements of authorities having jurisdiction.
- B. Glazing: As specified in Section 08-8000, factory installed.
- C. Removable Stops: Formed sheet steel, shape as indicated on drawings, mitered or butted corners; prepared for countersink style tamper proof screws.
- D. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.
- E. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames.

2.07 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.
- B. Factory Finish: Complying with ANSI/SDI A250.3, manufacturer's standard coating.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.
- C. Install door hardware as specified in Section 08-7100.
- D. Touch up damaged factory finishes.

3.03 TOLERANCES

- A. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

3.04 ADJUSTING

- A. Adjust for smooth and balanced door movement.

3.05 SCHEDULE

- A. Refer to Door and Frame Schedule on the drawings.

END OF SECTION

**SECTION 09-6500
RESILIENT FLOORING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Resilient sheet flooring.
- B. Resilient tile flooring.
- C. Resilient base.
- D. Installation accessories.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

- A. ASTM F2034 - Standard Specification for Sheet Linoleum Floor Covering; 2018.

1.04 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- C. Selection Samples: Submit manufacturer's complete set of color samples for Architect's initial selection.
- D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01-6000 - Product Requirements, for additional provisions.

1.05 FIELD CONDITIONS

- A. Maintain temperature in storage area between 55 degrees F and 90 degrees F.
- B. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

PART 2 PRODUCTS

2.01 TILE FLOORING

- A. Vinyl Tile - Luxury Vinyl Tiles: Printed film type, with transparent or translucent wear layer.
 - 1. Manufacturers:
 - a. Mannington.
 - b. Substitutions: See Section 01-6000 - Product Requirements.
 - 2. Plank Tile Size: 6 by 36 inch.

3. Wear Layer Thickness: 0.020 inch.
4. Total Thickness: 0.100 inch.
5. Pattern: wood grain.
6. Color: To be selected by Architect from manufacturer's full range.

2.02 RESILIENT BASE

- A. Resilient Base: ASTM F1861, Type TS rubber, vulcanized thermoset; top set Style B, Cove.
 1. Height: 4 inch.
 2. Thickness: 0.125 inch.
 3. Finish: Satin.
 4. Color: Color as selected from manufacturer's standards.
 5. Accessories: Premolded external corners and internal corners.
 6. Manufacturers:
 - a. Burke Flooring: www.burkemercer.com.
 - b. Johnsonite, a Tarkett Company: www.johnsonite.com.
 - c. Roppe Corp: www.roppe.com.

2.03 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.
 1. Provide only products having lower volatile organic compound (VOC) content than required by the more stringent of the South Coast Air Quality Management District Rule No.1168 and the Bay Area Air Quality Management District Regulation 8, Rule 51.
- C. Moldings, Transition and Edge Strips: Same material as flooring.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.

3.02 PREPARATION

- A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.
- B. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- C. Prohibit traffic until filler is fully cured.

3.03 INSTALLATION - GENERAL

- A. Starting installation constitutes acceptance of sub-floor conditions.

- B. Install in accordance with manufacturer's written instructions.
- C. Spread only enough adhesive to permit installation of materials before initial set.
- D. Fit joints and butt seams tightly.
- E. Set flooring in place, press with heavy roller to attain full adhesion.
- F. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
- G. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
- H. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.04 INSTALLATION - TILE FLOORING

- A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.
- B. Lay flooring with joints and seams parallel to building lines to produce symmetrical pattern.
- C. Install plank tile with a random offset of at least 6 inches from adjacent rows.

3.05 INSTALLATION - RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.
- B. Miter internal corners. At external corners, use premolded units. At exposed ends, use premolded units.
- C. Install base on solid backing. Bond tightly to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.

3.06 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean in accordance with manufacturer's written instructions.

3.07 PROTECTION

- A. Prohibit traffic on resilient flooring for 48 hours after installation.

3.08 SCHEDULE - SEE ROOM FINISH SCHEDULE IN DRAWINGS.

END OF SECTION

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**SECTION 09-6813
TILE CARPETING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Carpet tile, fully adhered.

1.02 RELATED REQUIREMENTS

- A. Section 03-3000 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors to receive adhesive-applied flooring.

1.03 REFERENCE STANDARDS

- A. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2019.
- B. CRI 104 - Standard for Installation of Commercial Carpet; 2015.

1.04 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.
- C. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01-6000 - Product Requirements, for additional provisions.
 - 2. Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Tile Carpeting :
 - 1. Milliken & Company: www.milliken.com/#sle.
 - 2. J & J Flooring - Textile Composite Flooring.
 - 3. Patcraft - Walkoff Matt Tile (Basis of Design).
 - 4. Substitutions: See Section 01-6000 - Product Requirements.

2.02 MATERIALS

- A. Walk-Off Tile Carpeting (WOT):
 - 1. Manufacturer:
 - a. Patcraft (Basis of Design)
 - b. Milliken
 - c. J & J

- d. Substitutions: See Section 01-6000-Product Requirements.
- 2. Manufactured in one color dye lot.
- 3. Dye method: Solution Dyed.
- 4. Tufted yarn weight: 32 oz.
- 5. Model: Beyond The Door.
- 6. Color: refer to Interior Finish Schedule.
- 7. Size: 24 x 24 inches.
- 8. Thickness: 205 inch.
- 9. Density: 8,597.
- 10. Maximum Electrostatic Charge: 3.5 Kv. at 20 percent relative humidity.
- 11. Primary Backing Material: Polyester Felt Cushion.
- 12. Foot Traffic Recommendation TARR: Severe.
- 13. Adhesive per Manufacturer.

B. Substitutions: Section 01-6000 - Product Requirements.

2.03 ACCESSORIES

A. Sub-Floor Filler: White premix latex; type recommended by flooring material manufacturer.

B. Adhesives:

- 1. Compatible with materials being adhered; maximum VOC content of 50 g/L; CRI (GLP) certified; in lieu of labeled product, independent test report showing compliance is acceptable.
- 2. Recommended by carpet tile manufacturer; releasable type.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that sub-floor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.
- B. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.
- B. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler.
- C. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
- D. Vacuum clean substrate.

3.03 INSTALLATION

- A. Starting installation constitutes acceptance of sub-floor conditions.
- B. Install carpet tile in accordance with manufacturer's instructions.
- C. Blend carpet from different cartons to ensure minimal variation in color match.

- D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
- E. Installation Method: per Architect
- F. Layout pattern / change of style / color To Be Determined by Architect.
- G. Complete installation of edge strips, concealing exposed edges.

3.04 CLEANING

- A. Remove excess adhesive without damage, from floor, base, and wall surfaces.
- B. Clean and vacuum carpet surfaces.

END OF SECTION

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**SECTION 09-8430
SOUND-ABSORBING WALL AND CEILING UNITS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sound-absorbing panels.

1.02 REFERENCE STANDARDS

- A. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2017.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2018b.
- C. ASTM E795 - Standard Practices for Mounting Test Specimens During Sound Absorption Tests; 2016.

1.03 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements for submittal procedures.
- B. Selection Samples: Manufacturer's color charts for fabric covering, indicating full range of fabrics, colors, and patterns available.
- C. Verification Samples: Fabricated samples of each type of panel specified; 12 by 12 inch, showing construction, edge details, and fabric covering.
- D. Test Reports: Certified test data from an independent test agency verifying that panels meet specified requirements for acoustical and fire performance.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Protect acoustical units from moisture during shipment, storage, and handling. Deliver in factory-wrapped bundles; do not open bundles until units are needed for installation.
- B. Store units flat, in dry, well-ventilated space; do not stand on end.
- C. Protect edges from damage.

PART 2 PRODUCTS

2.01 POLYESTER DIRECT ATTACHED ACOUSTICAL UNITS

- A. Manufacturers:
 - 1. Acoustic Surfaces, Inc., www.acousticalsurfaces.com
 - 2. Substitutions: See Section 01-6000 - Product Requirements.
- B. Semi-Rigid Board for Ceilings:

1. Sound Absorption: Noise Reduction Coefficient (NRC) of 0.70-0.85 when tested in accordance with ASTM C423 for Type A mounting, per ASTM E795.
2. Density: 7.5 lb/cu ft.
3. Surface Burning Characteristics: Flame Spread Index of 25, maximum; Smoke Developed Index of 50, maximum; when tested in accordance with ASTM E84.
4. Color: Black.
5. Anchors and fasteners: Type recommended by wall covering manufacturer to suit application.

2.02 FABRICATION

- A. Tolerances: Fabricate to finished tolerance of plus or minus 1/16 inch for thickness, overall length and width, and squareness from corner to corner.

2.03 ACCESSORIES

- A. Fixing Clips: Manufacturers standard for application as indicated.
- B. Panel Adhesive: Acceptable to acoustical panel manufacturer for application as indicated.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for conditions detrimental to installation of acoustical units. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install acoustical units in locations as indicated, following manufacturer's installation instructions.
- B. Install mounting accessories and supports in accordance with shop drawings.
- C. Align panels accurately, with edges plumb and top edges level. Scribe to fit accurately at adjoining work and penetrations.
- D. Install acoustical units to construction tolerances of plus or minus 1/16 inch for the following:
 1. Plumb and level.
 2. Flatness.

3.03 CLEANING

- A. Clean sound-absorptive panels upon completion of installation from dust and other foreign materials, following manufacturer's instructions.

3.04 PROTECTION

- A. Provide protection of installed acoustical panels until Date of Substantial Completion.

- B. Replace panels that cannot be cleaned and repaired to satisfaction of the Architect.

END OF SECTION

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**SECTION 10-2600
WALL AND DOOR PROTECTION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Protective wall covering.

1.02 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2018b.
- B. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2016a.

1.03 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Indicate physical dimensions, features, wall mounting brackets with mounted measurements, anchorage details, and rough-in measurements.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wall and door protection items in original, undamaged protective packaging. Label items to designate installation locations.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Protective Wall Covering:
 - 1. Construction Specialties, Inc; Acrovyn High-Impact Wall Covering: www.csgroup.com/#sle.
 - 2. Inpro: www.inprocorp.com/#sle.
 - 3. Substitutions: See Section 01-6000 - Product Requirements.

2.02 PRODUCT TYPES

- A. Protective Wall Covering:
 - 1. Material: Polyethylene terephthalate (PET or PETG); PVC and PBTs-free.
 - 2. Thickness: 0.040 inch.
 - 3. Surface Burning Characteristics: Provide assemblies with flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
 - 4. Color: As selected from manufacturer's standard colors.
 - 5. Pattern: None.
 - 6. Texture: Suede.

7. Accessories: Provide manufacturer's standard color-matched trim and moldings.
 - a. Inside Corner Trim: Standard angle
 - b. Outside Corner Trim: Standard angle.
8. Mounting: Adhesive.

2.03 FABRICATION

- A. Fabricate components with tight joints, corners and seams.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that rough openings, concealed blocking, and anchors are correctly sized and located.
- B. Start of installation constitutes acceptance of project conditions.

3.02 INSTALLATION

- A. Install components in accordance with manufacturer's instructions, level and plumb, secured rigidly in position to supporting construction.
- B. Position protective wall covering no less than 1 inch above finished floor to allow for floor level variation.
 1. Apply adhesive with 1/8 inch V-notch trowel to an area of wall surface that can be completed within cure time of the adhesive.

3.03 TOLERANCES

- A. Maximum Variation From Required Height: 1/4 inch.
- B. Maximum Variation From Level or Plane For Visible Length: 1/4 inch.

3.04 CLEANING

- A. Clean wall and door protection items of excess adhesive, dust, dirt, and other contaminants.

END OF SECTION

**SECTION 28-1000
ACCESS CONTROL**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Access control system requirements.
- B. Access control units and software.
- C. Access control point peripherals, including readers and keypads.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Door Controller:
 - 1. ProdataKey: www.prodatakey.com.
 - 2. Substitutions: See Section 01-6000 - Product Requirements.
- B. Power Supply:
 - 1. Altronix: www.altronix.com.
 - 2. Substitutions: See Section 01-6000 - Product Requirements.
- C. Door Position Switch/Contact:
 - 1. Sentrol: www.nesentrol.com.
 - 2. Substitutions: See Section 01-6000 - Product Requirements.
- D. Request to Exit Device (REX):
 - 1. ProdataKey: www.prodatakey.com.
 - 2. Substitutions: See Section 01-6000 - Product Requirements.
- E. Access Control Software:
 - 1. ProdataKey: www.prodatakey.com.
 - 2. Substitutions: See Section 01-6000 - Product Requirements.
- F. Readers and Keypads:
 - 1. ProdataKey; Rugged Reader: www.prodatakey.com.
 - 2. Substitutions: See Section 01-6000 - Product Requirements.

2.02 ACCESS CONTROL SYSTEM REQUIREMENTS

- A. Provide new access control system consisting of required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.
- B. Provide products listed, classified, and labeled as suitable for the purpose intended.
 - 1. Access Control Units and Readers: Listed and labeled as complying with UL 294.

2.03 ACCESS CONTROL UNITS AND SOFTWARE

- A. Provide access control units and software compatible with readers to be connected.
- B. Unless otherwise indicated, provide software and licenses required for fully operational system.

2.04 ACCESS CONTROL POINT PERIPHERALS

- A. Provide devices compatible with control units and software.
- B. Provide devices suitable for operation under the service conditions at the installed location.
- C. Door Locking Devices (Electric Strikes and Magnetic Locks): Comply with Section 08-7100.

2.05 CARD READER

- A. Furnish and install card readers at locations indicated on the Drawings. Mounting height to be 48-inches unless noted otherwise on the Drawings.
- B. Furnish and install a single gnag size, wall mount proximity card reader or mullion mount card reader on store front applications.
- C. Card Readers to be suitable for indoor or outdoor use.
- D. Card Readers to be ADA compliant.

2.06 DOOR POSITION SWITCH/CONTACT

- A. Furnish and install recessed door position switches designed to be compatible with and operate with the access control and intrusion system, in the locations indicated on the Drawings.
- B. In situations where a recessed switch cannot be used, utilize a surface mount switch (roll-up door).
- C. Coordinate switch type and installation with architectural door hardware schedule and requirements.

2.07 REQUEST TO EXIT DEVICE (REX)

- A. Furnish and install a REX at each door indicated on the Drawings.
- B. Coordinate with the door hardware schedule for type of device required.
- C. If the REX is not built into the door hardware, install a surface mount passive infrared sensor (PIR) type device per architect's direction.

PART 3 EXECUTION

3.01 INSTALLATION

- A. This specification is to be used in conjunction with the Drawings. There may be circumstances where a device listed here is not present or required on the project Drawings.
- B. Install products in accordance with manufacturer's instructions.
- C. Contractor to coordinate conduit installation with the electrical contractor.

END OF SECTION

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