

RFB #25-0001

5 **Addendum Number One**

This Addendum is hereby made part of the Contract Documents to the same extent as though it were originally included therein. Refer to "Bid Form" for acknowledgment of Addenda.

10 All Contractors, Subcontractors and suppliers are reminded that they shall be familiar with all Addenda items (as well as all parts of the Construction Documents) so as to understand the extent of their work and its interrelation with other trades.

To all bidders for furnishing all labor and materials necessary for the following Contract:

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Sedgwick Co Courthouse Annex Remodel – ORU - Phase 1
525 N. Main Street
WICHITA, KANSAS 67203

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Prepared by:
Schaefer Architecture

GENERAL:

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ITEM AD1-G01
CLARIFICATION

Pre-Bid Questions:

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Question: The specs call for the General Contractor to provide a field office with space to accommodate project meetings. Will we be able to utilize existing interior space for project meetings in lieu of providing a field office?

Answer: Yes

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Question: Are there any work hour restrictions?

Answer: No

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Question: Will the building be available to work in on government holidays?

Answer: Yes

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Question: Will the County handle final seeding/sodding of the disturbed area around the vestibule addition, or will the General Contractor?

Answer: General Contractor

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Question: Is there a lawn irrigation system in the area of the vestibule addition? If so, who will be responsible for any modifications or repairs to the system?

Answer: Yes, the General Contractor will be responsible for repairs.

Question: Will an Emergency Radio Frequency Survey be required? If so and the test fails, will the cost of a permanent system be carried by the Owner?

- 5 **Answer:** Yes
- Question:** Who is responsible for material testing?
Answer: General Contractor
- 10 **Question:** Will termite pretreatment of the building pad at the vestibule addition be required?
Answer: No
- 15 **Question:** There is a specification for Bituminous Dampproofing but I don't see where it is indicated on the drawings. Can we get clarification on where this is applied?
Answer: To existing basement walls exposed by new construction.
- 20 **Question:** Will background checks be required for subcontractors and contractors?
Answer: Yes
- 25 **Question:** Will you please ask Schaefer if it will be acceptable to use 1-1/2" thick countertops? 1" countertop material is difficult to find and is expensive, especially so when needing moisture resistant material.
Answer: Yes, 1-1/2" is acceptable.
- 30 **Question:** Will Mapei Grout be an acceptable replacement for Power Grout?
Answer:
- 35 **Question:** What flooring type is outside of rooms 202-206 (for transition purposes)?
Answer: Carpet.
- 40 **Question:** Is the 2nd story subfloor gypcrete or concrete?
Answer: Concrete.
- 40 **ITEM AD1-G02** **Specification Section 01 10 00 Summary:**
REVISION Replace section 01 10 00 with attached, which now includes a construction completion deadline of two hundred forty (240) days following Notice to Proceed.
- 45 **ITEM AD1-G03** **Specification Section 00 01 10 Table of Contents:**
ADDITION Add specification section "01 23 00 Alternates" to Table of Contents.
- ITEM AD1-G04** **Specification Section 01 23 00 Alternates:**
ADDITION Add specification section 01 23 00 Alternates as attached.
- 50

5 **ARCHITECTURAL:**

ITEM AD1-A01 **Drawing Sheet A22.1:**
 REVISION Revise the Partition Schedule per below.

PARTITION SCHEDULE								REMARKS
TYPE MARK	MATERIAL		GYPSUM BOARD		SOUND BATT INSULATION	FIRE RATING	UL #	
	METAL STUD	LOCATION OF GYP BOARD	TYPE					
1B	1 5/8"	ONE LAYER, ONE SIDE	5/8" "X"	-	-	N.R.	-	8" ABOVE CEILING
1M	2 1/2"	TWO LAYERS, BOTH SIDES	5/8" "X"	-	-	N.R.	-	TO DECK
2	3 5/8"	ONE LAYER, ONE SIDE	5/8" "X"	-	-	N.R.	-	8" ABOVE CEILING
2A	3 5/8"	ONE LAYER, ONE SIDE	5/8" "X"	-	-	N.R.	-	TO DECK
2C	3 5/8"	ONE LAYER, BOTH SIDES	5/8" "X"	-	-	N.R.	-	8" ABOVE CEILING
2D	3 5/8"	ONE LAYER, BOTH SIDES	5/8" "X"	YES	-	N.R.	-	TO DECK
2D-1	3 5/8"	TWO LAYERS, BOTH SIDES	5/8" "X"	-	1 HR	U419	-	TO DECK
2DB	3 5/8"	ONE LAYER, BOTH SIDES	5/8" "X", 5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK
2DM	3 5/8"	ONE LAYER, BOTH SIDES	5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK
2DP	3 5/8"	ONE LAYER, BOTH SIDES	5/8" "X", 5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK
2DQ	3 5/8"	TWO LAYERS ONE SIDE, ONE LAYER ONE SIDE	5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK
2DQ-1	3 5/8"	TWO LAYER, BOTH SIDES	5/8" "X", 5/8" "IMPACT RESISTANT"	YES	1 HR	-	-	TO DECK
2DV	3 5/8"	TWO LAYER, BOTH SIDES	5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK
2DW	3 5/8"	TWO LAYERS ONE SIDE, ONE LAYER ONE SIDE	5/8" "X", 5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK
2DY	3 5/8"	ONE LAYER, ONE SIDE	5/8" "IMPACT RESISTANT"	YES	N.R.	-	-	TO DECK

AD 1















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ITEM AD1-A02 **Drawing Sheet A28.1:**
 REVISION Revise Room Finish Schedule, Legend, Level 1 and 2 Finish Plans per below.

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ROOM FINISH SCHEDULE								REMARKS
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				
				NORTH	EAST	SOUTH	WEST	
100	VESTIBULE	TF-2	RB-1	P-1	P-1	P-1	P-1	
101	WAITING	SLC	RB-1	P-1	P-1	P-1	P-1	
102A	HALL	SLC	RB-1	P-1	P-1	P-1	P-1	
102B	EXIT VESTIBULE	-	-	-	-	-	-	
102C	EXG. STAIRS	RT-1	RB-1	P-1	P-1	P-1	P-1	
103	RECEPTION	CPT-1	RB-1	P-1	P-1	P-1	P-1	
104	BULLPEN	CPT-1	RB-1	P-1	P-1	P-1	P-1	
105	RR	TF-1	TB-1	EP-1	EP-1	EP-1	EP-1	
106	ADA RR	TF-1	TB-1	EP-1	EP-1	EP-1	EP-1	
107	SERGEANT	CPT-1	RB-1	P-1	P-1	P-1	P-1	
108	WORK / BREAK	VCT-1	RB-1	P-1	P-1	P-1	P-1	
109	HALL	VCT-1	RB-1	P-1	P-1	P-1	P-1	
110	HALL	SLC	RB-1	P-1	P-1	P-1	P-1	
111	INTERVIEW	SLC	RB-1	P-1	P-1	P-1	P-1	
112	INTERVIEW	SLC	RB-1	P-1	P-1	P-1	P-1	
113	INTERVIEW	SLC	RB-1	P-1	P-1	P-1	P-1	
114	PROCESSING	SLC	RB-1	P-1	P-1	P-1	P-1	
115	STOR	SLC	RB-1	P-1	P-1	P-1	P-1	
201	ELECTRICAL CLOSET	SLC	RB-1	P-1	P-1	P-1	P-1	
202	RR	TF-1	TB-1	EP-1	EP-1	EP-1	P	
203	RR	TF-1	TB-1	EP-1	EP-1	EP-1	EP-1	
204	RR	TF-1	TB-1	EP-1	EP-1	EP-1	EP-1	
205	MECH	SLC	RB-1	P-1	P-1	P-1	P-1	
206	ADA RR	TF-1	TB-1	EP-1	EP-1	EP-1	EP-1	

AD 1

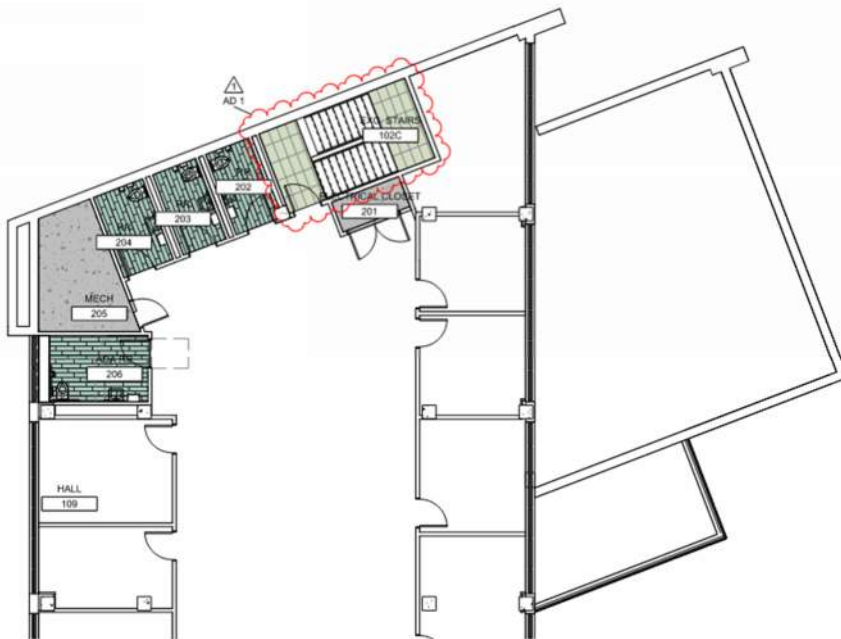
<p>PLASTIC LAMINATE - PL</p> <p> MANUFACTURER: WILSONART PRODUCT: 7994-38 COLOR: LOWELL ASH SIZE: - INSTALLATION: - LOCATION: CABINETS</p> <p> MANUFACTURER: WILSONART PRODUCT: 4944-38 COLOR: CASUAL LINEN SIZE: - INSTALLATION: - LOCATION: COUNTER TOPS</p>	<p>PAINT - P</p> <p> MANUFACTURER: SHERWIN WILLIAMS COLOR / NO.: SW 7037 BALANCED BEIGE FINISH: EG-SHEL LOCATION: FIELD</p> <p> MANUFACTURER: SHERWIN WILLIAMS COLOR / NO.: SW 7038 TONY TAUPE FINISH: EG-SHEL LOCATION: DOOR FRAMES</p>
<p>TILE FLOOR - TF</p> <p> MANUFACTURER: DAL TILE PRODUCT: PORTFOLIO COLOR: CHOCOLATE PF08 SIZE: 6 INCH X 24 INCH INSTALLATION: STAGGERED BRICKWORK 1/3 LOCATION: OFFSET</p> <p> MANUFACTURER: CROSSVILLE PRODUCT: NOTORIOUS UNPOLISHED COLOR: PRIVATE EYE SIZE: 24 INCH X 24 INCH INSTALLATION: - LOCATION: -</p>	<p>EPOXY PAINT - EP</p> <p> MANUFACTURER: SHERWIN WILLIAMS COLOR / NO.: SW 7037 BALANCED BEIGE FINISH: EG-SHEL LOCATION: RESTROOMS</p> <p>RESILIENT BASE - RB</p> <p> MANUFACTURER: JOHNSONITE PRODUCT: 4" COLOR: 121 CEMENT SIZE: - INSTALLATION: - LOCATION: TRANSITIONS AND BASE THROUGHOUT</p>
<p>TILE BASE - TB</p> <p> MANUFACTURER: DAL TILE PRODUCT: PORTFOLIO COLOR: CHOCOLATE P36C9TP36C9T SIZE: 6 INCH X 12 INCH INSTALLATION: - LOCATION: -</p>	<p>CARPET - CPT</p> <p> MANUFACTURER: MANNINGTON PRODUCT: MULTIPLEXER COLOR: RETROSCOPE 83638 SIZE: - INSTALLATION: - LOCATION: -</p>
<p>TILE GROUT - TG</p> <p> MANUFACTURER: TEC PRODUCT: POWER GROUT COLOR: 958 ESPRESSO SIZE: - INSTALLATION: - LOCATION: FLOOR GROUT</p>	<p>VINYL COMPOSITION TILE - V</p> <p> MANUFACTURER: ARMSTRONG PRODUCT: IMPERIAL TEXTURE COLOR: 51803 PEARL WHITE SIZE: - INSTALLATION: - LOCATION: ALL AREAS UNLESS OTHERWISE NOTED</p>
<p>SEALED CONCRETE - SLC</p> <p> MANUFACTURER: REF. SPEC. PRODUCT: - COLOR: - SIZE: - INSTALLATION: - LOCATION: -</p>	<p>RUBBER TREADS & RISER - RT</p> <p> MANUFACTURER: TARKETT PRODUCT: RAISED ROUND COLOR: TB1 PEPPERSORN SIZE: RUBBER STAIR TREADS WITH INTEGRATED RISER LOCATION: STAIRS AND LANDINGS</p>

 AD 1



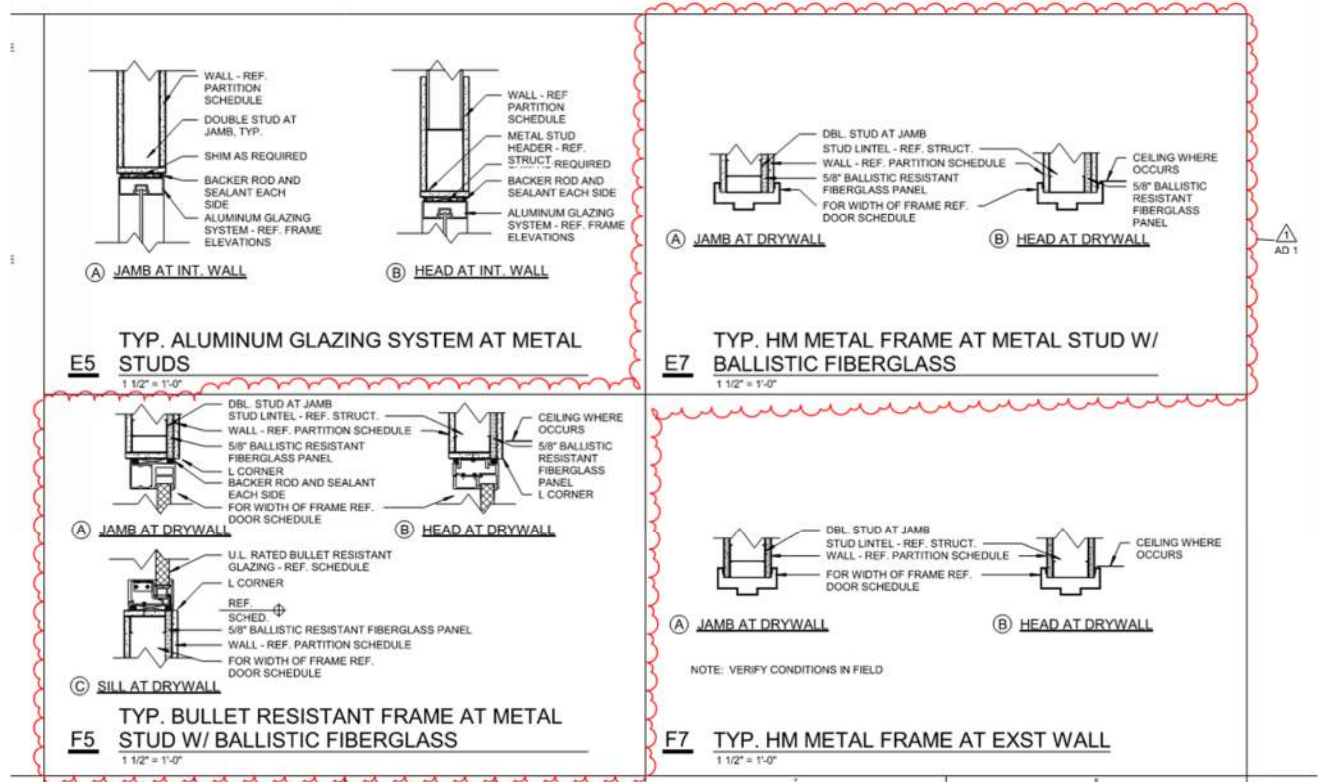
1 ANNEX LEVEL 1 - FINISH PLAN
1/8" = 1'-0"

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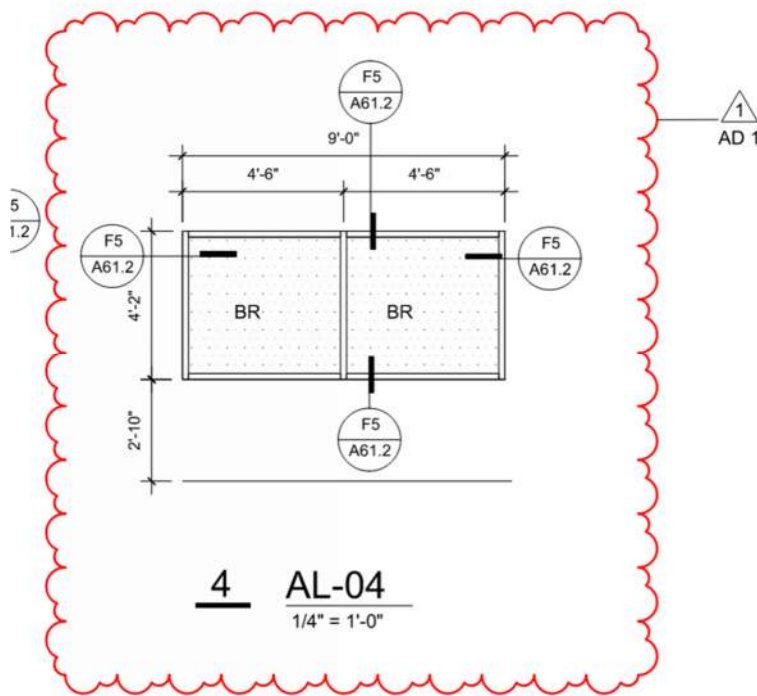
2 ANNEX LEVEL 2 - FINISH PLAN
1/8" = 1'-0"

5 ITEM AD1-A03 Drawing Sheet A61.2:
REVISION Revise details E7 and F5 per below.

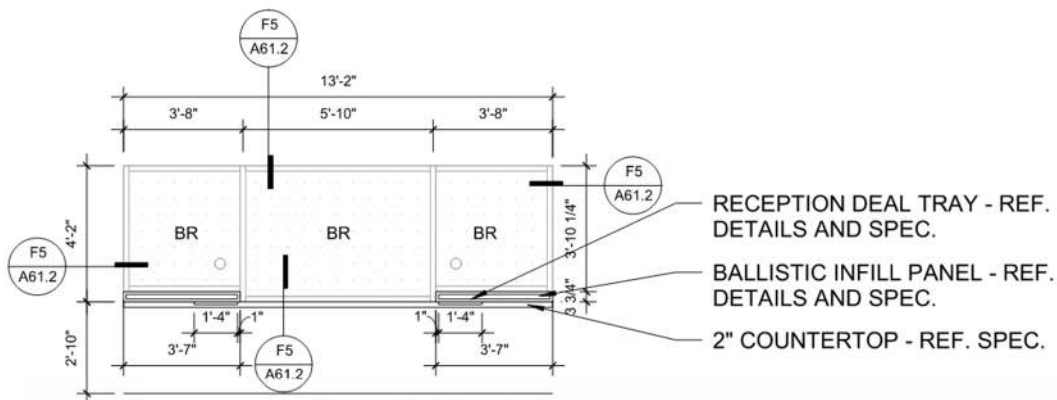


10 ITEM AD1-A04 Drawing Sheet A72.1:
REVISION Revise Door & Frame Schedule, Elevations 4 & 5, and General Notes per below.

DOOR & FRAME SCHEDULE														
MARK	WIDTH	HEIGHT	DOOR				FRAME				DETAILS			REMARKS
			MATERIAL	TYPE	GLASS	FIRE	DEPTH	MATERIAL	TYPE	JAMB	HEAD	SILL		
100	6'-0"	7'-0"	AL	FG	IN	N.R.	7 3/4"	AL	AL-02	B1/A61.2	A1/A61.2	C1/A61.2 - C3/A61.2		
101	3'-0"	7'-0"	AL	FG	CLR	N.R.	7 3/4"	AL	AL-03	E5/A61.2	E5/A61.2			
102A	3'-0"	7'-0"	HM	F	--	N.R.	6 1/2"	HM	HM	E7/A61.2	E7/A61.2			
102C	3'-0"	7'-0"	HM	N	FR	45 MIN	7"	HM	HM	F7/A61.2	F7/A61.2			
102D	3'-0"	7'-0"	WD	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
103	3'-0"	7'-0"	WD	N	CLR	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
105	3'-0"	7'-0"	WD	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
108	3'-0"	7'-0"	WD	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
107	3'-0"	7'-0"	WD	N	CLR	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
110A	3'-0"	7'-2"	HM	N	SG	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2		ENTRY TO HALL ACCESS CONTROLLED BY RECEPTION	
110B	3'-0"	7'-0"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
111	3'-0"	7'-2"	HM	F	SG	N.R.	6 1/2"	HM	HM	F3/A61.2	F3/A61.2			
112	3'-0"	7'-2"	HM	F	SG	N.R.	6 1/2"	HM	HM	F3/A61.2	F3/A61.2			
113	3'-0"	7'-2"	HM	F	SG	N.R.	6 1/2"	HM	HM	F3/A61.2	F3/A61.2			
115	6'-0"	7'-2"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
201	6'-0"	7'-2"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
202	3'-0"	7'-0"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
203	3'-0"	7'-0"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
204	3'-0"	7'-0"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
205	3'-0"	7'-0"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			
206	3'-0"	7'-0"	HM	F	--	N.R.	5 7/8"	HM	HM	F3/A61.2	F3/A61.2			



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GENERAL NOTES

DOOR & FRAME MATERIAL:

- AL - ALUMINUM
- HM - HOLLOW METAL
- WD - WOOD
- ST - STEEL
- SS - STAINLESS STEEL
- FRP - FIBERGLASS REINFORCED POLYMER

GLAZING MATERIAL:

- IN - INSULATED
- LM - LAMINATED
- SG - SAFETY GLASS
- W - WIRE GLASS
- CLR - CLEAR GLASS
- SP - SPANDREL GLASS
- FR- 3/4 HOUR FIRE RESISTIVE ASSEMBLY
- BR - BULLET RESISTANT GLASS



1. ALL DOORS ARE UNDERCUT AS SPECIFIED.
2. SAFETY GLAZING LISTED IS REQUIRED ONLY IN LOCATIONS TO MEET CODE REQUIREMENTS EXCEPT WHEN SHOWN IN REMARKS COLUMN OR DRAWINGS.
3. DOOR DIMENSIONS REFER TO OPENING DIMENSIONS OF FRAME.
4. WOOD DOORS TO BE FACTORY FINISHED UNLESS NOTED OTHERWISE - REF. SPEC.
5. HOLLOW METAL DOORS TO BE PAINTED UNLESS NOTED OTHERWISE - REF. SPEC
6. ALUMINUM DOORS, STOREFRONT AND CURTAIN WALL TO BE FACTORY FINISH UNLESS NOTED OTHERWISE - REF. SPEC
7. FURNISH AND INSTALL ALUMINUM STOREFRONT OR CURTAIN WALL FRAMES AND TRIM PER SPEC.
8. FIELD VERIFY ALL DIMENSIONS OF OPENINGS TO RECEIVE NEW STOREFRONT, CURTAIN WALL OR DOOR FRAMES PRIOR TO FABRICATION. SIZES SHOWN ARE FOR ESTIMATING PURPOSES AND DESIGN INTENT, ACTUAL CONDITIONS MAY VARY. ADJUST DIMENSIONS TO INCLUDE NECESSARY SHIMS, SEALANTS AND FLASHING. G.C. TO COMMUNICATE DIMENSIONAL DISCREPANCIES TO ARCHITECT PRIOR TO FABRICATION.
9. REPLACEMENT OF EXISTING WINDOW OR STOREFRONT:
 - a. KEEP DUST TO A MINIMAL AND CLEAN UP AFTER WORK IN THAT AFFECTED AREA'S UPON COMPLETION.
 - b. REPAIR ALL DAMAGED AREAS CAUSED BY WINDOW OR STOREFRONT REPLACEMENT INCLUDING (BUT NOT LIMITED TO) PLASTER OR GYP. BD. WALLS, WOOD TRIM, MILLWORK, CEILINGS, ETC. (VERIFY ALL EXISTING CONDITIONS PRIOR TO WORK).
 - c. FIELD VERIFY ALL DIMENSIONS OF EXISTING OPENINGS TO RECEIVE NEW WINDOWS OR STOREFRONT PRIOR TO FABRICATION.
 - d. CONTRACTOR SHALL REMOVE OLD UNITS AND INSTALL NEW WINDOW OR STOREFRONT UNITS IN THE SAME WORKING DAY.
10. REMOVE ALL SEALANT FROM EXISTING SURFACES AFTER EXISTING WINDOW IS REMOVED. PREP. AREA TO RECEIVE NEW WINDOW OR STOREFRONT.

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ITEM AD1-A05
REVISION

Specification Section 09 65 00 Resilient Flooring:

Replace section 09 65 00 Resilient Flooring with attached, which now includes a tread, riser and landing coverings.

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ITEM AD1-A06
REVISION

Specification Section 06 41 00 Architectural Wood Casework:

Replace section 06 41 00 Architectural Wood Casework with attached, which now excludes requirements for AWI QCP participation.

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ITEM AD1-A07:
ADD:

SPECIFICATION – Substitution Request.

The following manufacturers have been approved in the sections indicated, provided their product satisfies ALL requirements of the specifications and contract drawings:

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<u>Section</u>	<u>Product</u>	<u>Manufacturer</u>
09 30 00	Ultracolor Plus FA	Mapei

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STRUCTURAL:

ITEM AD1-S01
CLARIFICATION

Drawing Sheet S22.1:

Unidentified beam sizes are W10x12 per below image.

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SECTION 01 10 00 - SUMMARY

PART 1 GENERAL

1.01 PROJECT

- A. Project Name: Sedgwick County Courthouse Annex Remodel - Phase 1 - ORU
- B. Owner's Name: Sedgwick County.
- C. The Project consists of the alteration of office space and restroom in the courthouse annex building North end. New entry vestibule addition..

1.02 PROJECT REQUIREMENTS

- A. Contractor shall complete all construction no later than two hundred forty (240) days from Notice to Proceed.

1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of demolition and removal work is indicated on drawings and specified in Section 02 41 00.
- B. Renovate the following areas, complete including operational mechanical and electrical work and finishes:
 - 1. North end of 1st and 2nd floors as indicated on drawings.
- C. Plumbing: Alter existing and add new construction.
- D. HVAC: Alter existing and add new construction.
- E. Electrical Power and Lighting: Alter existing and add new construction.
- F. Fire Alarm: Alter existing system and add new construction, keeping existing in operation.
- G. Telephone: Alter existing and add new construction.
- H. Owner will remove the following items before start of work:
 - 1. Furniture and equipment.

1.04 WORK BY OWNER

- A. Items noted NIC (Not in Contract) will be supplied and installed by Owner before Substantial Completion. Some items include:
 - 1. Movable cabinets.
 - 2. Furnishings.
 - 3. Small equipment.
 - 4. General Contractor shall cooperate fully with separate contractors so work on those Contracts may be carried out smoothly, without interfering with or delaying Work under this Contract or other Contracts. Coordinate the Work of this Contract with Work performed under separate Contracts to the extent of scheduling and making the necessary spaces available.

1.05 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
 - 1. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with the day-to-day operations of the Owner. Maintain existing exits unless otherwise indicated.

2. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and approval of authorities having jurisdiction.
 3. Notify the Owner not less than 72 hours in advance of activities that will affect the operations of the Owner.
- B. Owner intends to occupy the Project upon Substantial Completion.
 - C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
 - D. Schedule the Work to accommodate Owner occupancy.

1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.
 1. Do not disturb portions of Project site beyond areas in which the Work is indicated.
- B. Arrange use of site and premises to allow:
 1. Owner occupancy.
 2. Work by Others.
- C. Provide access to and from site as required by law and by Owner:
 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 2. Provide temporary exiting pathways as indicated.
 3. Do not obstruct roadways, sidewalks, or other public ways without permit.
- D. Utility Outages and Shutdown:
 1. Limit disruption of utility services to hours the building is unoccupied and as coordinated with the Owner.
 2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Owner and authorities having jurisdiction.
 3. Prevent accidental disruption of utility services to other facilities.
 4. Do not disrupt or shut down power to LAN/WAN systems without coordination with the Owner. It is the responsibility of the General Contractor to identify these locations with assistance from the Owner prior to starting any Work.
- E. Controlled Substances: Use of tobacco products and other controlled substances within the new or existing building or the Project site is not permitted.

1.07 WORK SEQUENCE

- A. Coordinate construction schedule and operations with Owner.

1.08 PERMANENT UTILITIES

- A. Owner will pay the direct cost from the utility company for the permanent service for the following:
 1. Electric.
 2. Gas.
 3. Water.
 4. Telephone.
 5. Cable.
- B. All other fees and Work shall be included in the cost of Bid.

Sedgwick County Courthouse Annex Remodel -
Phase 1 - ORU

5278.45

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 23 00 - ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.
- B. Procedures for pricing Alternates.

1.02 ALTERNATES - GENERAL

- A. Alternates are units of Work (products, materials, equipment, systems, methods and the like) which may, at the option of the Owner and under terms established in the Instructions to Bidders and Agreement, be selected for the Work in lieu of the corresponding requirements for Base Bid or to complete a unit of work not included in the Base Bid Work.
- B. Selection may be made prior to Contract Date, or may by the Agreement, be deferred for possible selection at a subsequent date.
- C. Refer to the Contract or Owner-Contractor Agreement, and subsequent modifications thereof (if any), for the determination of which Alternates have been accepted and therefore are in effect as though included originally in the Base Bid Work.
- D. Immediately following the award of Contract notify each entity or person involved in the performance of this project work, a notice of the status of each Alternate Bid indicating which Alternates have been: 1) accepted, 2) rejected, 3) deferred for consideration at a later date. Include description of modifications, if any, to the accepted Alternates.
- E. The Alternates herein are abbreviated descriptions but imply that each change must be complete for the scope of the work affected. A reference to this Section is included in specification sections to alert specification users that an alternate will affect that work. The Specifications and Drawings shall be referred to ascertain complete requirements for the Alternate Work. Coordinate related work and modify surrounding work as required to properly integrate or omit the work of the accepted Alternates.

1.03 ACCEPTANCE OF Alternates

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Fill in all required prices on the Bid Form.
- C. Alternates will be accepted by the Owner as follows:
 - 1. The Alternates are not listed in order of importance and such listing shall not limit nor dictate the order of acceptance by the Owner.
- D. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.04 SCHEDULE OF Alternates

- A. **Alternate No. One - Complete all construction no later than two hundred ten (210) days from Notice To Proceed.**

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Specially fabricated cabinet units.
- B. Cabinet hardware.
- C. Preparation for site finishing.
- D. Preparation for installing utilities.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Support framing, grounds, and concealed blocking.
- B. Section 08 80 00 - Glazing: Glass for casework.
- C. Section 09 91 23 - Interior Painting: Site finishing of cabinet exterior.
- D. Section 12 36 00 - Countertops.

1.03 REFERENCE STANDARDS

- A. ANSI A208.2 - American National Standard for Medium Density Fiberboard for Interior Use; 2009.
- B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.
- C. AWI (QCP) - Quality Certification Program; current edition at www.awiqcp.org.
- D. BHMA A156.18 - American National Standard for Materials and Finishes; 2012.
- E. BHMA A156.9 - American National Standard for Cabinet Hardware; 2010.
- F. GSA CID A-A-1936 - Adhesive, Contact, Neoprene Rubber; Revision A, 1996.
- G. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2009.
- H. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.
- I. PS 1 - Structural Plywood; 2009.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - 1. Scale of Drawings: 1-1/2 inch to 1 foot (125 mm to 1 m), minimum.
 - 2. Provide the information required by AWI/AWMAC/WI (AWS).
 - 3. Show locations and sizes of concealed blocking specified in other Sections.
 - 4. Show locations for plumbing fixtures and other items installed in Architectural Wood Casework.
- C. Product Data: Provide data for hardware accessories.
- D. Samples For Initial Selection: Samples for initial selection purposes of the following in form of manufacturer's color charts consisting of actual units or sections of units showing full range of colors, textures, and patterns available for each type of material indicated.
 - 1. Plastic laminate
 - 2. PVC edge banding
 - 3. Cabinet liner material

1.06 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of experience.
- B. Installer Qualifications: Company specializing in installation of the products specified in this section with minimum three years of experience.
- C. Quality Certification:
 - 1. Comply with AWI woodwork association quality standards in accordance with requirements for work specified in this section. Certification is not required.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect units from moisture damage.
- B. Protect woodwork during transit, delivery, storage, and handling to prevent damage, soilage, and deterioration.
- C. Do not deliver woodwork until painting, wet work, grinding, and similar operations have been completed in installation areas.

1.08 FIELD CONDITIONS

- A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.
 - 1. Building shall be enclosed, wet work shall be complete, and HVAC system shall be operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Field Measurements: Where woodwork is indicated to be fitted to other construction, check actual dimensions of other construction by accurate field measurements before manufacturing woodwork; show recorded measurements on shop drawings. Coordinate manufacturing schedule with construction progress to avoid delay of Work.
 - 1. Where field measurements cannot be made without delaying the Work, guarantee dimensions and proceed with manufacture of woodwork without field measurements. Coordinate other construction to ensure that actual dimensions correspond to guaranteed dimensions.

PART 2 PRODUCTS

2.01 CABINETS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS), unless noted otherwise.
- B. Plastic Laminate Cabinets:
 - 1. Exposed Surfaces:
 - a. Horizontal Surfaces Other Than Tops: Grade HGS.
 - b. Vertical Surfaces: Grade VGS.
 - c. Edges: PVC edge banding
 - 2. Semi-exposed Surfaces:
 - a. Surfaces Other Than Drawer Bodies: Thermoset decorative panels.
 - b. Edges: PVC edge banding
 - 1) All edges, including adjustable shelves, shall have PVC edge banding on all sides.
 - c. For semi-exposed backs of panels, including back side of doors, with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate,

Grade VGS.

- d. For tops of upper cabinets and tall storage units: Thermoset decorative panels.
 - e. For bottom side of upper cabinets: High-pressure decorative laminate, Grade VGS.
 - f. Drawer Sides and Backs: Thermoset decorative panels.
 - g. Drawer Bottoms: Thermoset decorative panels.
3. Cabinet Style: Flush overlay.
 4. Cabinet Doors and Drawer Fronts: Flush style.
 5. Provide dust panels of 1/4 inch (6.4 mm) tempered hardboard above compartments and drawers, unless located directly under tops.

2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.
- B. General: Provide materials that comply with requirements of AWI/AWMAC/WI (AWS) for each type of woodwork and quality grade specified, unless otherwise indicated.
- C. Particleboard: ANSI A208.1; medium density industrial type as specified in AWI/AWMAC/WI (AWS), composed of wood chips bonded with interior grade adhesive under heat and pressure; sanded faces; Grade M-2; thickness as indicated.
 1. Use for concealed components.
 2. Use as backing for plastic laminate unless otherwise indicated.
- D. Medium Density Fiberboard (MDF): ANSI A208.2; type as specified in AWI/AWMAC/WI (AWS); composed of wood fibers pressure bonded with interior grade adhesive to suit application; sanded faces; Grade MD; thickness as indicated.
 1. Use for concealed components.
 2. Use as backing for plastic laminate unless otherwise indicated.
- E. Softwood Plywood: PS 1, thickness as indicated, use where indicated.
- F. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1.
- G. Hardboard: AHA A135.4; Pressed wood fiber with resin binder, Class 1 - Tempered, 1/4 inch (6 mm) thick, smooth two sides (S2S); use for dust panels and other components indicated on drawings.
- H. Hardwood Edgebanding: Use solid hardwood edgebanding matching species, color, grain, and grade for exposed or semi-exposed portions of cabinetry adjacent to hardwood veneer.
 1. Thickness:.018 inch (.46 mm).

2.03 LAMINATE MATERIALS

- A. Manufacturers: Provide high pressure decorative laminates of one or combination of the following:
 1. Formica Corporation: www.formica.com.
 2. Panolam Industries International, Inc\Nevamar: www.nevamar.com.
 3. Wilsonart: www.wilsonart.com.
 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Thermally Fused Laminate (TFL): Melamine resin, NEMA LD 3, Type VGL laminate panels.
 1. Color: White.
- C. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.

- D. Provide specific types as indicated.
 - 1. Horizontal Surfaces: HGS, 0.048 inch (1.22 mm) nominal thickness, selected from manufacturer's full range of standard colors, matte finish.
 - 2. Vertical Surfaces: VGS, 0.028 inch (0.71 mm) nominal thickness, selected from manufacturer's full range of standard colors, matte finish.
 - 3. Laminate Backer: BKL, 0.020 inch (0.51 mm) nominal thickness or thickness required by AWI/AWMAC/WI (AWS) standards, undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

2.04 ACCESSORIES

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Plastic Edge Banding: Extruded PVC, flat shaped; smooth finish; self locking serrated tongue; of width to match component thickness.
 - 1. Color: As selected by Schaefer Architecture from manufacturer's full range.
 - 2. Thickness: 0.12 inch (3 mm).
- C. Adhesive for Bonding Edges: Hot-melt adhesive.
- D. Glass: Type A as specified in Section 08 80 00.
- E. Fasteners: Size and type to suit application.
- F. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- G. Anchors: Select material, type, size, and finish required by each substrate for secure anchorage. Provide hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or expansion sleeves for drilled-in-place anchors.
- H. Concealed Joint Fasteners: Threaded steel.
- I. Grommets: Standard plastic grommets for cut-outs, in color as selected from manufacturers standard colors and sizes.

2.05 HARDWARE

- A. Hardware: BHMA A156.9, types as scheduled or indicated for quality grade specified.
 - 1. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
 - a. Satin Chromium Plated: BHMA 626 for brass or bronze base; BHMA 652 for steel base.
- B. Adjustable Shelf Supports: Standard side-mounted system using multiple holes for pin supports and coordinated self rests, satin chrome finish, for nominal 1 inch (25 mm) spacing adjustments.
 - 1. Product: #346 Shelf Support manufactured by Knape and Vogt or equal.
- C. Drawer and Door Pulls: "U" shaped wire pull, steel with satin chrome finish, 4 inch centers ("U" shaped wire pull, steel with chrome finish, 100 mm centers).
 - 1. Product: #116.39.464 manufactured by Hafele.
- D. Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with satin finish.
 - 1. Product: For Swing Doors - C8053-14A with two keys, trim washer, spur washer (for wood) or flat washer (for metal), mounting nut and two cams; maximum 7/8 inch (22 mm) thick material, manufactured by CompX National or equal.

2. Product: For Drawers - C8053-14A with two keys, trim washer, spur washer (for wood) or flat washer (for metal), mounting nut and two cams; maximum 7/8 inch (22 mm) thick material; cam stop at 12 o'clock. manufactured by CompX National or equal: www.compx.com
3. Keying: Key each lock in a room the same. Key different rooms differently.
- E. Drawer Slides:
 1. Type: Full extension.
 2. Static Load Capacity: Commercial grade, 100 pounds (45 kg) static load minimum.
 3. Mounting: Side mounted.
 4. Stops: Integral type.
 5. Features: Provide self closing/stay closed type.
 6. Manufacturers:
 - a. Knappe & Vogt Manufacturing Company; TT100 Tru Trac Full Extension Ball Bearing Drawer Slide: www.knappeandvogt.com/#sle.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
- F. Hinges: Concealed hinge with 120 degree opening and full overlay, one pair for each leaf minimum, additional hinges as required for size and weight of door per manufacturer's recommendations, use sex bolts on back to back installation on a single divider, self-closing type, metal hinge, nickel plated, black plastic cover caps, nickel-plated screws.
 1. Manufacturers:
 - a. Grass America Inc; Nexis Hinge System: www.grassusa.com/#sle.
 - b. Blum, Inc; #71T5550 Hinge, Wing Base Plate and screws as recommended by manufacturer: www.blum.com.
 - c. Substitutions: See Section 01 60 00 - Product Requirements.
- G. Elbow Catch: Install on inactive leaf of pair of doors with lock or where indicated or where required.
 1. Manufacturers:
 - a. Ives; Elbow Catch: www.ives.ingersollrand.com.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
- H. Pressure Catch: Install on doors or drawers where required or indicated.
 1. Manufacturers:
 - a. Hafele; Pressure Catch, 8 kg pull, 245.50.301: www.hafele.com.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
- I. Work Station Brackets: Angle wall bracket, 1000 pound (453 Kg) minimum load limit, longest size to fit countertop and wall, with mounting holes, 45 degree notch in corner for wall cleat, powder coat finish to be selected from manufacturer's standard colors.
 1. Manufacturers:
 - a. A & M Hardware; Work Station Bracket: www.aandmhardware.com.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
- J. Door and Drawer Bumpers:
 1. Manufacturers:
 - a. Hafele; Clear Plastic Door Bumper: www.hafele.com/us/.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.

2.06 FABRICATION

- A. Assembly: Shop assemble cabinets for delivery to site in units to the maximum extent possible and to permit passage through building openings.
 - 1. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Wood Moisture Content: Comply with requirements of referenced quality standard for wood moisture content in relation to ambient relative humidity during fabrication and in installation areas.
- D. Edges: Ease edges to radius indicated for the following:
 - 1. Corners of cabinets and edges of solid wood (lumber) members less than 1 inch (1.6 mm) in nominal thickness: 1/16 inch (1.6 mm).
 - 2. Edges of rails and similar members more than 1 inch (25.4 mm) in nominal thickness: 1/8 inch (3.2 mm).
- E. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- F. Dovetail joints are not to be used for particle board construction.
- G. Shelving thickness as follows:
 - 1. 3/4 inch (19 mm) to a maximum span of 32 inch (813 mm), unless noted otherwise.
 - 2. 1 inch (25.4 mm) for spans over 32 inch (813 mm).
- H. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Locate counter butt joints minimum 2 feet from sink cut-outs. (Locate counter butt joints minimum 600 mm from sink cut-outs.)
 - 1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
 - 2. Cap exposed or semi-exposed plastic laminate finish edges with plastic trim.
- I. Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes, and fixtures and fittings. Verify locations of cutouts from on-site dimensions. Seal cut edges.
- J. Shop glaze glass materials using the Interior Dry method as specified in Section 08 80 00.

2.07 FINISHING

- A. General: The entire finish of interior architectural woodwork is specified in this section, regardless of whether factory applied or applied by others after installation.
- B. Factory Finishing: Apply the final finish to architectural woodwork at factory to the greatest extent possible before delivery. Limit job site finishing to a minimum.
- C. Sand work smooth and set exposed nails and screws.
- D. For opaque finishes, apply wood filler in exposed nail and screw indentations and sand smooth.
- E. On items to receive transparent finishes, use wood filler matching or blending with surrounding surfaces and of types recommended for applied finishes.
- F. Finish work in accordance with AWI/AWMAC/WI (AWS), Section 5 - Finishing for grade specified and as follows:

1. Transparent:
 - a. System - 12, Polyurethane, Water-based.
 - b. Stain: As selected by Schaefer Architecture.
 - c. Sheen: Satin.

G. Seal, stain and varnish exposed to view surfaces. Spray apply only.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.
- C. Condition woodwork to average prevailing humidity conditions in installation areas before installing

3.02 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) requirements for grade indicated.
- B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C. Use fixture attachments in concealed locations for wall mounted components.
- D. Use concealed joint fasteners to align and secure adjoining cabinet units.
- E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch (0.79 mm). Do not use additional overlay trim for this purpose.
 1. Refinish cut surfaces or repair damaged finish at cuts.
- F. Secure cabinets to floor using appropriate angles and anchorages.
- G. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.
- H. Cabinets: Install without distortion so that doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete the installation of hardware and accessory items as indicated.
- I. Maintain veneer sequence matching (if any) of cabinets with transparent finish.

3.03 ADJUSTING

- A. Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.
- C. Repair damaged and defective woodwork where possible to eliminate defects functionally and visually; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.
- D. Touch up factory-applied finishes to restore damaged or soiled areas.

3.04 CLEANING AND PROTECTION

- A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensures that woodwork is being without damage or deterioration at time of Substantial Completion.
- B. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

SECTION 09 65 00 - RESILIENT FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

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

1.02 RELATED REQUIREMENTS

- A. Section 09 05 61 - Common Work Results for Flooring Preparation: Independent agency testing of concrete slabs, removal of existing floor coverings, cleaning, and preparation.
- B. Section 26 05 26 - Grounding and Bonding for Electrical Systems: Grounding and bonding of static control flooring to building grounding system.

1.03 REFERENCE STANDARDS

- A. AIA A305 - Contractor's Qualification Statement; 1986.
- B. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2021.
- C. ASTM F1066 - Standard Specification for Vinyl Composition Floor Tile; 2004 (Reapproved 2018).
- D. ASTM F1700 - Standard Specification for Solid Vinyl Floor Tile; 2020.
- E. ASTM F1861 - Standard Specification for Resilient Wall Base; 2021.
- F. ASTM F2169 - Standard Specification for Resilient Stair Treads; 2015 (Reapproved 2020).
- G. ASTM F2195 - Standard Specification for Linoleum Floor Tile; 2018.
- H. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings; 2011.

1.04 SUBMITTALS

- A. See Section 01 30 00 - 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 Schaefer Architecture's initial selection.
- D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Flooring Material: 10 square feet (0.93 square meters) of each type and color.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum 5 years of documented experience.
- B. Installers: Each Installer must comply with all requirements of the Specifications and Drawings. Approved installers for this project are as follows:
 - 1. CAP Carpet, Inc.
 - 2. Carpet Value

3. Country Carpet, Inc.
4. Fortney Tile & Flooring Company, Inc.
5. Interior Surface Enterprises, LLC
6. Kansas Carpet & Tile Inc.
7. Manhattan Carpet & Interiors, Inc.
8. Star Lumber & Supply Co., Inc.
Stuart & Associates Commercial Flooring
9. Vitztum Commercial Flooring, Inc.
10. Schaefer Architecture may approve additional Installers for this project based on proximity to the project site, work ethic, relevant project experience and company information. Installers seeking approval for this project shall submit AIA A305, Contractor's Qualification Statement to Schaefer Architecture. Requests must be received ten days prior to bid date.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.
- B. Store all materials off of the floor in an acclimatized, weather-tight space.
- C. Maintain temperature in storage area between 55 degrees F (13 degrees C) and 90 degrees F (72 degrees C).
- D. Protect roll materials from damage by storing on end.
- E. Do not double stack pallets.
- F. Store floor tiles on flat surfaces.

1.07 FIELD CONDITIONS

- A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F (21 degrees C) to achieve temperature stability.
Thereafter, maintain conditions above 55 degrees F (13 degrees C).

PART 2 PRODUCTS

2.01 TILE FLOORING

- A. Vinyl Composition Tile: Homogeneous, with color extending throughout thickness.
 1. Manufacturers:
 - a. Armstrong World Industries, Inc; Standard Excelon Imperial Texture: www.armstrong.com.
 - b. Johnsonite, a Tarkett Company; Azrock: www.johnsonite.com.
 - c. Substitutions: See Section 01 60 00 - Product Requirements.
 2. Minimum Requirements: Comply with ASTM F1066, of Class corresponding to type specified.
 3. Size: 12 by 12 inch (305 by 305 mm).
 4. Thickness: 0.125 inch (3.2 mm).
 5. Color: As indicated on drawings.

2.02 STAIR COVERING

- A. Stair Treads with Integral Risers: Rubber; full height of riser, full width and depth of tread in one piece; tapered thickness.
 1. Manufacturers:
 - a. Johnsonite, a Tarkett Company: www.johnsonite.com.

- b. Roppe Corp: www.roppe.com.
- c. Substitutions: See Section 01 60 00 - Product Requirements.
2. Minimum Requirements: Comply with ASTM F2169, Type TS, rubber, vulcanized thermoset.
3. Nominal Thickness: 0.1875 inch (4.75 mm).
4. Nosing: Hinged for angled treads, not less than 1 5/8 inch (41 mm) deep.
5. Striping: 2 inch (24 mm) wide contrasting color abrasive strips.
6. Surface Design: Raised Disc
7. Color: To be selected by Schaefer Architecture from manufacturer's full range.

2.03 RESILIENT BASE

- A. Resilient Base: ASTM F1861, Type TS rubber, vulcanized thermoset; top set Style B, Cove.
 1. Manufacturers:
 - a. Burke Flooring: www.burkeflooring.com/#sle.
 - b. Johnsonite, a Tarkett Company: www.johnsonite.com.
 - c. Roppe Corp: www.roppe.com.
 - d. Flexco, Inc.: www.flexcofloors.com.
 - e. Substitutions: See Section 01 60 00 - Product Requirements.
 2. Height: 4 inch (100 mm).
 3. Thickness: 0.125 inch (3.2 mm).
 4. Finish: Satin.
 5. Length: Roll.
 6. Color: To be selected by Schaefer Architecture from manufacturer's full range.
 7. Accessories: Premolded external corners where the return is less than 6 inch (152 mm).

2.04 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Primers and Seam Sealer: Waterproof; types recommended by flooring manufacturer.
- C. Adhesive for Vinyl and Rubber Flooring:
 1. Suitable for slabs with moisture vapor emission rates (MVERs) up to 8 lbs per 8 sq. ft. (3.63 kg per 3.63 m squared) per 24 hours and 90% relative humidity.
 2. Manufacturers:
 - a. Stauf USA, LLC; D737 High-Tack: www.staufusa.com/#sle.
 - b. TEC, an H.B. Fuller Construction Products Brand; TEC Roll Fast Vinyl Flooring Adhesive: www.tecspecialty.com/#sle.
 - c. Mapei; Ultrabond ECO 711: www.mapei.com.
 - d. Substitutions: Section 01 60 00 - Product Requirements.
- D. Moldings, Transition and Edge Strips: Rubber or vinyl.
 1. Install at the following locations:
 - a. Edge between resilient tile and exposed concrete - Johnsonite RRS-XX-D or equal.
 - b. Molding between carpet and resilient tile - Johnsonite CD-XX-B or equal.
 - c. Others where detailed or required.

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.
 - 1. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by manufacturer.
- 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.
- C. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Prepare floor substrates for installation of flooring in accordance with Section 09 05 61.

3.03 INSTALLATION - GENERAL

- A. Starting installation constitutes acceptance of sub-floor conditions.
- B. Install in accordance with manufacturer's written instructions.
- C. Adhesive-Applied Installation:
 - 1. Spread only enough adhesive to permit installation of materials before initial set.
 - 2. Place copper grounding strip in conductive adhesive and apply additional adhesive to top side of strip before installing static control flooring. Allow strip to extend beyond flooring in accordance with static control flooring manufacturer's instructions. Refer to Section 26 05 26 for grounding and bonding to building grounding system.
 - 3. Fit joints and butt seams tightly.
 - 4. Set flooring in place, press with heavy roller to attain full adhesion.
- D. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
- E. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
 - 1. Resilient Strips: Attach to substrate using adhesive.
- F. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
- G. Install flooring in recessed floor access covers, maintaining floor pattern.
- H. At movable partitions, install flooring under partitions without interrupting floor pattern.
- I. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of carpet and resilient floor covering that would otherwise be exposed.

3.04 INSTALLATION - TILE FLOORING

- A. Lay tiles with grain direction alternating in adjacent tiles (basket-weave pattern).
- B. In-so-far as possible, use materials from one number run. If quantity of material requires more than one run, only tile from one run shall be used in any one room or area.
- C. Do not mix flooring from different runs in the same room or area.

3.05 INSTALLATION - RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches (45 mm) between joints.
- B. Install resilient base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
- 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.
- C. Leave areas broom clean. Waxing shall be by the Owner.

3.07 PROTECTION

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

END OF SECTION