ADDENDUM NO. 1

- Date: December 19, 2022
- RE: Saginaw Valley State University HHS Classroom Renovation and Pioneer Hall Lab Renovation SSOE Project No. 022-00568-00

SVSU will be closed from Thursday, December 22, 2022 until Tuesday, January 3, 2023. Please submit all RFI's before the end of the day (4:30 p.m.) on Wednesday, December 21, 2022.

To: Bidders

This Addendum supplements and amends the original drawings and specifications, and shall be taken into account in preparing proposals, and shall become part of the Contract Documents. You must indicate receipt of ALL Addendums on your Bid Form.

- From: SSOE Group 1050 Wilshire Drive, Suite 260 Troy, MI 48084 Telephone: (248) 643-6222
- Item AD1.01 (Issued) Pre-Bid Meeting Sign-in
- Item AD1.02 (Issued) Electrical Sub-Contractors Page 2

HHS CLASSROOM RENOVATION

- Item AD1.03 (Issued) Drawing A100
 - a. Revised 2x4 ceiling tile layout to 2x2.
- Item AD1.04 (Issued) Drawing GI002 The ornamental railings at the auditorium classroom in Bachand Hall, are these intended to be a specific manufactured product or a custom fabricated product? Or either?

Response: Basis of Design added to specification. Either manufactured product or custom fabricated product.

Item AD1.05 What type of stainless finish is required? Mill, brushed polished?

Response: #4 Brushed

Item AD1.06 Detail J5/A100, how many are required per screen? I.E. are the rods just at both ends? 24" OC, etc.

Response: The rods are at both ends, unless the manufacturer indicates more for installation.

ADDENDUM NO. 1

Item AD1.07 On Drawing A100, In room H136A and Vestibule H136 you show diamond B walls. Do you only want drywall on one side of the wall?

Response: Gypsum board on one side of the wall.

Item AD1.08 Walls in D7-F7-G7/101 shows drywall on both sides of the wall. You label them diamond B walls, which only has drywall on 1 side?

Response: Gypsum board on one side of the wall as indicated on B wall.

Item AD1.09 (Issued) Drawing A100

I see the note on the drawings to salvage existing ceiling tile and turnover to owner. Is it the intent to install these back into the new ceiling areas within the classroom? Do you have the spec on the existing ceiling tile if we need to purchase a few boxes to mix in with the salvaged?

Response: Refer to revised ceiling plan. Salvage and reinstall existing ceiling tile and grid. If new is needed, provide USG Eclipse ClimaPlus, 2x2. Contractor to verify the edge style to match existing.

PIONEER HALL LAB RENOVATION

No questions submitted.

END OF ADDENDUM



HHS/Bachand Hall & Pioneer Hall - Classroom Renovations Bid #23010

Pre-Bid Meeting Sign In Sheet

Pre-Bid Meeting: Tuesday, December 13, 2022 at 11:00 a.m.				Provide e-mail address for person who should receive addendums, etc.	
	Name	Company	Phone #	Fax #	
1.	Matt Laborer	Same Const	939 205 6109	989 631 7012	scotto su yar construction.
2.	Brett Forles	TRC	989-513-7528	>	brales@trecomponil.com
3.	Jeff Hainey Haydien Malaky	SSOTE	989-600-0676		haines @ 5900.com
4.	Haydren Malisky	SSOF	989 -780-1740		hmaksty & spoe.com
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HHS/Bachand Hall & Pioneer Hall - Classroom Renovations Bid #23010

Pre-Bid Meeting Sign In Sheet

Pre-Bid Meeting: Tuesday, December 13, 2022 at 11:00 a.m.				Provide e-mail address for person who should receive addendums, etc.	
	Name	Company	Phone #	Fax #	
1.	MARK HATZ	REMER PLG & HTG	929-235-344/	489.193.7314	MKATZ & REMER PLUMBLIC CO
2.	Sevenny Mick	RC Hendrick	959-430-3775		MKATZ & REMER PLUMETHE.CO grege rchendrick.com
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DIVISION 26 - ELECTRICAL

Electrical

Page 2 of 2

<u>Company Name & Address</u> Master Electric, Inc. 2350 W. M-61, P.O. Box 404, Gladwin, MI 48624	Phone # 989.426.9860	<u>Fax #</u> 989.426.9862
Metro Electric Engineering Technologies, Inc. 110 East Pond Dr., Romeo, MI 48065	586.752.2622	586.752.2862
Motor City Electric Technologies Inc. 9440 Grinnell, Detroit, MI 48213	313.921.5300	313.921.5310
Newkirk Electric Associates, Inc. 2751 Lippincott Blvd., Flint, MI 48507	810.742.4400	810.742.4410
Nuechterlein Electric, Inc. 304 List St., Frankenmuth, MI 48734	989.652.2431	989.652.9830
Parkway Electric & Communications, LLC 11952 James St., Holland, MI 49424	616.392.2788	616.392.6880
Pierce Power Electric LLC 5393 N. Michigan Rd., Saginaw, MI 48604	989.297.2229	989.290.7722
PowerComm Electric 465 N. Franklin, Ste. C, Frankenmuth, MI 48734	989.652.4889	989.652.4959
S.R.V. Services, Inc. 9472 E. Coldwater Rd., Davison, MI 48423	810.845.2117	810.653.6504
Spark Electric Services Inc. 1000 N. Chilson, Ste. 1, Bay City, MI 48706	989.686.5691	989.316.2932
Taunt Electric Company 895 Industrial Dr., Gladwin, MI 48624	989.426.9306	989.426.4530
Thiel Electric, Inc. 7920 McCarty Rd., Saginaw, MI 48603	989.792.1188	989.792.6165
Van Herweg Electric, Inc. 2885 Enterprise Ct., Saginaw, MI 48603	989.791.1131	989.791.3946
Walker Electric, Inc. 3725 S. Saginaw St., Ste. 105, Flint, MI 48507	810.233.5111	810.233.5112
Weinstein Electric Company 213 W. First Ave., Flint, MI 48503	810.232.5934	810.232.3218
Windemuller Electric, Inc. 2936 E. Venture Dr., Midland, MI 48640	989.631.2023	989.631.3110
Wm. F. Nelson Electric, Inc. 111 Hoyt St., Saginaw, MI 48607	989.752.7184	989.752.6441

ECTION 024119 - SELECTIVE DEMOLITION PART 1 - GENERAL	SECTION 033053 - MISCELLANEOUS CAST-IN-PLACE CONCRETE (INTERIOR LOCATIONS ONLY)	SECTION 035413 - GYPSUM CEMENT UNDERLAYMENT PART 1 - GENERAL	SECTION 042223 - J PART 1 - GENER
 SUMMARY A. Section Includes: 1. Demolition and removal of selected portions of building or structure. 	PART 1 - GENERAL 1.1 SUMMARY A. Section includes cast-in-place concrete, including reinforcement, concrete materials, mixture design, placement	 1.1 SUMMARY A. Section includes self-leveling, gypsum cement underlayment for application below interior floor coverings. 1.2 ACTION SUBMITTALS (FOR OWNER REVIEW) 	1.1 SUMMARY A. Archited 1.2 DESIGN / PERF
 Demonition and removal of selected portions of building of structure. Salvage of existing items to be reused or recycled. MATERIALS OWNERSHIP 	 A. Section includes cast-in-place concrete, including reinforcement, concrete materials, mixture design, placement procedures, and finishes. 1.2 ACTION SUBMITTALS (FOR OWNER REVIEW) 	A. Product Data: For each type of product. 1.3 QUALITY ASSURANCE	A. Concrei 1. TM
 A. Unless otherwise indicated, demolition waste becomes property of Contractor. B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their 	 A. Product Data: For each type of product. B. Design Mixtures: For each concrete mixture. 	A. Installer Qualifications: Installer who is approved by manufacturer for application of underlayment products required for this Project.	2. TM 3. Nat
contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.	 QUALITY ASSURANCE Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete 	 1.4 FIELD CONDITIONS A. Environmental Limitations: Comply with manufacturer's written instructions for substrate temperature, 	1.2 ACTION SUBM A. Product
 Carefully salvage in a manner to prevent damage and promptly return to Owner. INFORMATIONAL SUBMITTALS (FOR OWNER REVIEW) A Dependent Deptending Measurement including Deputing that indicates the measurement of the second data and the second data a	products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment. PART 2 - PRODUCTS	ventilation, ambient temperature and humidity, and other conditions affecting underlayment performance. 1. Place gypsum cement underlayments only when ambient temperature and temperature of substrates	1. Ma 2. Insi
A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control, and for noise control. Indicate proposed locations and construction of barriers.	 2.1 PERFORMANCE REQUIREMENTS A. Sustainable Design Requirements: Comply with Authorities Having Jurisdiction. 2.2 CONCRETE, GENERAL 	are between PART 2 - PRODUCTS 2.1 PERFORMANCE REQUIREMENTS	clea B. Selectic masonr
 B. Schedule of selective demolition activities with starting and ending dates for each activity. 4 CLOSEOUT SUBMITTALS (FOR OWNER REVIEW) 	A. Comply with ACI 301 (ACI 301M). 2.3 STEEL REINFORCEMENT	 A. Sustainable Design Requirements: Comply with Authorities Having Jurisdiction. 2.2 GYPSUM CEMENT UNDERLAYMENTS 	maximu release
A. Inventory of items that have been removed and salvaged. FIELD CONDITIONS	 A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420), deformed. B. Plain-Steel Welded-Wire Reinforcement: ASTM A 1064/A 1064M, plain, fabricated from as-drawn steel wire into 	A. Gypsum Cement Underlayment: Self-leveling, gypsum cement product that can be applied in minimum uniform thickness of 1/8 inch (3 mm) or as recommended by manufacturer for substrate, to match adjacent	1.3 QUALITY ASSU A. Installer
A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.	flat sheets. 2.4 CONCRETE MATERIALS	floor elevations. 1. Cement Binder: Gypsum or blended gypsum cement as defined by ASTM C 219.	products require 1.4 FIELD CONDIT
 B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical. C. Notify Architect through the Construction Manager of discrepancies between existing conditions and 	 A. Cementitious Materials: 1. Portland Cement: ASTM C 150/C 150M, Type I/II. B. Normal-Weight Aggregate: ASTM C 33/C 33M, 1-inch nominal maximum aggregate size. 	 Compressive Strength: Not less than 4000 psi (27.6 MPa) at 28 days when tested according to ASTM C 472. Underlayment Additive: Resilient-emulsion product of underlayment manufacturer, formulated for use 	A. Deliver recomn PART 2 - PRODU
Drawings before proceeding with selective demolition. D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.	C. Chemical Admixtures: Certified by manufacturer to be compatible with other admixtures and that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride	with underlayment when applied to substrate and conditions indicated. B. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch (3 to 6 mm); or coarse sand as recommended by	2.1 ARCHITECTUF A. Burnish
1. If suspected hazardous materials are encountered, do not disturb; immediately notify Owner through the Construction Manager. Hazardous materials will be removed by Owner under a separate contract.	or admixtures containing calcium chloride. 1. Water-Reducing Admixture: ASTM C 494/C 494M, Type A.	underlayment manufacturer. 1. Provide aggregate when recommended in writing by underlayment manufacturer for underlayment	B. Color: a. As
 E. Storage or sale of removed items or materials on-site is not permitted. F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage 	 Retarding Admixture: ASTM C 494/C 494M, Type B. Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type D. 	thickness required. C. Water: Potable and at a temperature of not more than 70 deg F (21 deg C).	b. Ma 2.2 MASONRY Acc
during selective demolition operations. 1. Maintain fire-protection facilities in service during selective demolition operations. G. Arrange selective demolition schedule so as not to interfere with Owner's/Tenant's operations.	 High-Range, Water-Reducing Admixture: ASTM C 494/C 494M, Type F. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type G. Plasticizing and Retarding Admixture: ASTM C 1017/C 1017M, Type II. 	 D. Reinforcement: For underlayment applied to wood substrates, provide galvanized metal lath or other corrosion-resistant reinforcement recommended in writing by underlayment manufacturer. E. Primer: Product of underlayment manufacturer recommended in writing for substrate, conditions, and 	A. Mortar 1. Uti mc
 WARRANTY A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during 	D. Water: ASTM C 94/C 94M. 2.5 RELATED MATERIALS	application indicated. F. Surface Sealer: Designed to reduce porosity as recommended by manufacturer for type of floor covering	rec 2. Mo
selective demolition, by methods and with materials and using approved contractors so as not to void existing warranties.	 A. Vapor Retarder: Plastic sheet, ASTM E 1745, Class A or B. B. Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber, or ASTM D 1752, cork or self-expanding 	to be applied to underlayment. PART 3 - EXECUTION	3. Ту
NRT 2 - PRODUCTS I PERFORMANCE REQUIREMENTS A Demulation Demulation constitution and the second state of t	cork. 2.6 CURING MATERIALS	 3.1 PREPARATION A. General: Prepare and clean substrate according to manufacturer's written instructions. 	PART 3 - EXECU
 A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction. B. Standards: Comply with ASSE A10.6 and NFPA 241. 	 A. Evaporation Retarder: Waterborne, monomolecular film forming; manufactured for application to fresh concrete. B. Absorptive Cover: AASHTO M 182, Class 3, burlap cloth or cotton mats. C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet. 	 Treat nonmoving substrate cracks according to manufacturer's written instructions to prevent cracks from telegraphing (reflecting) through underlayment. Fill substrate voids to prevent underlayment from leaking. 	3.1 EXAMINATION A. Examin masonr
C. Sustainable Design Requirements: Comply with Authorities Having Jurisdiction. RT 3 - EXECUTION	 D. Water: Potable. 2.7 CONCRETE MIXTURES 	 B. Concrete Substrates: Mechanically remove, according to manufacturer's written instructions, laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants 	B. Verify i C. Verify t
EXAMINATION A. Verify that utilities have been disconnected and capped before starting selective demolition operations.	 A. Normal-Weight Concrete: 1. Minimum Compressive Strength: 4000 psi (27.6 MPa) at 28 days. 	that might impair underlayment bond. 1. Moisture Testing: Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation	D. If subs preparatior
B. Perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during	 Maximum W/C Ratio: 0.45. Slump Limit: 4 inches (100 mm) for concrete with verified slump of 2 to 4 inches (50 to 100 mm) before 	only after substrates do not exceed a maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. (1.36 kg of water/100 sq. m) in 24 hours.	3.2 PREPARATION A. Clean s
selective building demolition operations. C. Inventory and record the condition of items to be removed and salvaged. UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS	adding high-range water-reducing admixture or plasticizing admixture, plus or minus 1 inch (25 mm). 2.8 CONCRETE MIXING A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M and furnish	 C. Wood Substrates: Mechanically fasten loose boards and panels to eliminate substrate movement and squeaks. Sand to remove coatings that might impair underlayment bond and remove sanding dust. 1. Install underlayment reinforcement recommended in writing by manufacturer. 	B. Establis C. Furnish building stru
A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.	 A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M and furnish batch ticket information. 1. When air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes. 	 Install underlayment reinforcement recommended in writing by manufacturer. D. Nonporous Substrates: For ceramic tile, quarry tile, and terrazzo substrates, remove waxes, sealants, and other contaminants that might impair underlayment bond; prepare surfaces according to manufacturer's written 	Duilding stru D. Do not E. Prepare
B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.	PART 3 - EXECUTION 3.1 FORMWORK INSTALLATION	instructions. E. Adhesion Tests: After substrate preparation, test substrate for adhesion with underlayment according to	for the subs 3.3 INSTALLATION
 Arrange to shut off utilities with utility companies. If services/systems are required to be removed, relocated, or abandoned, provide temporary 	 A. Design, construct, erect, brace, and maintain formwork according to ACI 301 (ACI 301M). 3.2 EMBEDDED ITEM INSTALLATION 	manufacturer's written instructions. 3.2 APPLICATION	A. Layout proper
services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building. 3. Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems,	A. Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.	 A. General: Mix and apply underlayment components according to manufacturer's written instructions. 1. Close areas to traffic during underlayment application and for time period after application recommended in writing by manufacturer. 	use of split m inches
equipment, and components indicated on Drawings to be removed. a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug	 3.3 VAPOR-RETARDER INSTALLATION A. Install, protect, and repair vapor retarders according to ASTM E 1643; place sheets in position with longest 	 Coordinate application of components to provide optimum adhesion to substrate and between coats. At substrate expansion, isolation, and other moving joints, allow joint of same width to continue 	B. Lay-up otherwise
remaining piping with same or compatible piping material. b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or	dimension parallel with direction of pour. 1. Lap joints 6 inches (150 mm) and seal with manufacturer's recommended adhesive or joint tape.	through underlayment. B. Apply primer over prepared substrate at manufacturer's recommended spreading rate.	lines at mu C. Lay ho
compatible piping material and leave in place. c. Equipment to Be Removed: Disconnect and cap services and remove equipment.	3.4 STEEL REINFORCEMENT INSTALLATION A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.	 C. Apply underlayment to produce uniform, level surface. 1. Apply a final layer without aggregate to product surface. 	Bed webs pilasters a
 d. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational. e. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove 	 Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete. 3.5 JOINTS A. General: Construct joints true to line with faces perpendicular to surface plane of concrete. 	 Feather edges to match adjacent floor elevations. D. Cure underlayment according to manufacturer's written instructions. Prevent contamination during application and curing processes. 	3/8 inch no variations i
equipment and deliver to Owner. f. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining	 B. Contraction Joints in Slabs-on-Grade: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of concrete thickness 	E. Do not install floor coverings over underlayment until after time period recommended in writing by underlayment manufacturer.	D. Lay so mortar to fi E. Compi
ducts with same or compatible ductwork material. g. Ducts to Be Abandoned in Place: Cap or plug ducts with same or compatible ductwork	 3.6 CONCRETE PLACEMENT A. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301 	 F. Apply surface sealer at rate recommended by manufacturer. G. Remove and replace underlayment areas that evidence lack of bond with substrate, including areas that 	materials. F. Tool jo
material and leave in place. PROTECTION	(ACI 301M). B. Do not add water to concrete during delivery, at Project site, or during placement.	emit a "hollow" sound when tapped.	indicate oth G. Remov
 A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain. B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to 	 C. Consolidate concrete with mechanical vibrating equipment according to ACI 301 (ACI 301M). 3.7 FINISHING FORMED SURFACES A. Baueb Formed Finish, As seet concrete texture imported by form facing meterial with tip below and defects 	END OF SECTION 035413	at jambs to clean off m H. Step b
preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.	 A. Rough-Formed Finish: As-cast concrete texture imparted by form-facing material with tie holes and defects repaired and patched. Remove fins and other projections exceeding 1/2 inch (13 mm). 1. Apply to concrete surfaces not exposed to public view. 		Clean expo masonry.
 C. Remove temporary barricades and protections where hazards no longer exist. D. Protect work area and surrounding areas from dust. Block off portion of HVAC in work area during 	B. Smooth-Formed Finish: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams. Repair and patch tie holes and defective areas. Remove fins and		I. Veneer 1. Co
construction. SELECTIVE DEMOLITION	other projections exceeding 1/8 inch (3 mm). 1. Apply to concrete surfaces exposed to public view, to receive a rubbed finish, or to be covered with a section of the surfaces exposed to public view, to receive a rubbed finish, or to be covered with a		se 2. Wo
A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:	coating or covering material applied directly to concrete. C. Rubbed Finish: Apply the following rubbed finish, defined in ACI 301 (ACI 301M), to smooth-formed-finished as- cast concrete where indicated:		nai 4. Me screwe
 Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power 	 Smooth-rubbed finish. D. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to 		5. Sp 6. Pla
tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.	formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces unless otherwise indicated.		a.
 Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, 	 3.8 FINISHING UNFORMED SURFACES A. General: Comply with ACI 302.1R for screeding, restraightening, and finishing operations for concrete surfaces. 		b.
such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.	Do not wet concrete surfaces. B. Screed surfaces with a straightedge and strike off. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane before excess moisture or bleedwater appears on surface.		END OF SECTION
 Maintain fire watch during and for at least 48 hours after flame-cutting operations. Locate selective demolition equipment and remove debris and materials so as not to impose 	 Do not further disturb surfaces before starting finishing operations. C. Scratch Finish: Apply scratch finish to surfaces indicated and surfaces to receive concrete floor topping or 		
excessive loads on supporting walls, floors, or framing. 6. Dispose of demolished items and materials promptly. Comply with requirements in Section 017419	mortar setting beds for ceramic or quarry tile, portland cement terrazzo, and other bonded cementitious floor finishes unless otherwise indicated.		
"Construction Waste Management and Disposal." 7. Utilize negative air machine ducted to exterior for dust mitigation. B Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to	D. Trowel Finish: Apply a hard trowel finish to surfaces indicated and to floor and slab surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin film-finish coating system.		SECTION 057300
B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.	thin film-finish coating system. 1. Finish surfaces to the following tolerances, in accordance with ASTM E1155, for trafficked floor surface: a. Specified overall values of flatness, Ff 25; and of levelness, Fl20; with minimum local values of		PART 1 - GENE 1.1 SUMMARY A. Section inclu
C. Removed and Salvaged Items:1. Clean salvaged items.	flatness Ff 15; and of leveness FI 12. E. Trowel and Fine-Broom Finish: Apply a partial trowel finish, stopping after second troweling, to surfaces		A. Section Incl 1.2 SUBMITTALS A. Produc
 Pack or crate items after cleaning. Identify contents of containers. Store items in a secure area until delivery to Owner. 	indicated and to surfaces where ceramic or quarry tile is to be installed by either thickset or thinset methods. Immediately after second troweling, and when concrete is still plastic, slightly scarify surface with a fine broom.		1. 2.
 Transport items to Owner's storage area designated by Owner. Protect items from damage during transport and storage. 	 3.9 CONCRETE PROTECTING AND CURING A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply 		B. Shop 1.
 D. Removed and Reinstalled Items: 1. Clean and repair items to functional condition adequate for intended reuse. 2. Pack or crate items after cleaning and repairing. Identify contents of containers. 	with ACI 306.1 for cold-weather protection and with ACI 301 (ACI 301M) for hot-weather protection during curing. B. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h (1 kg/sq. m x h) before and during finishing operations. Apply according to		2. access
 Protect items from damage during transport and storage. Reinstall items in locations indicated. Comply with installation requirements for new materials and 	manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.		structu
equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.	 Begin curing after finishing concrete but not before free water has disappeared from concrete surface. D. Curing Methods: Cure formed and unformed concrete for at least seven days by one or a combination of the 		PART 2 - PROD 1.1 STAINLES
E. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage	following methods: 1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:		A. Stainle
location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete. CLEANING	 a. Water. b. Continuous water-fog spray. c. Absorptive cover, water saturated, and kept continuously wet. Cover concrete surfaces and edges. 		a.
A. Remove demolition waste materials from Project site and recycle or dispose of them according to Section 017419 "Construction Waste Management and Disposal."	 c. Absorptive cover, water saturated, and kept continuously wet. Cover concrete surfaces and edges with 12-inch (300-mm) lap over adjacent absorptive covers. 2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing 		b. 3. excee
 Do not allow demolished materials to accumulate on-site. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas. 	concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches (300 mm), and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears		Interna B. Posts
Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.	during curing period, using cover material and waterproof tape. 3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to		1. 2.
 Comply with requirements specified in Section 017419 "Construction Waste Management and Disposal." Burning: Do not hum demolished materials 	manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.		3. C. Top Ra
B. Burning: Do not burn demolished materials.C. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.	 3.10 FIELD QUALITY CONTROL A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections. B. Tests: Perform according to ACI 301 (ACI 301M). 		1. 2. 3.
O OF SECTION 024119	 B. Tests: Perform according to ACI 301 (ACI 30100). 1. Testing Frequency: Obtain one composite sample for each day's pour of each concrete mixture exceeding 5 cu. yd. (4 cu. m), but less than 25 cu. yd. (19 cu. m), plus one set for each additional 50 cu. yd. (38 cu. m) or 		3. PART 3 - EXECU 1.1 EXAMINAT
	fraction thereof.		A. If prepa manufacturer's r
	END OF SECTION 033053		B. Do not manufacturer's r
			by the manufact C. Comme 1.2 INSTALLAT
			A. Install r instructions and
			B. Do not C. Provide
			U. P

TALLATION

END OF SECTION 057300

<u>)42223 - ARCHITECTURAL CONCRETE MASONRY</u> GENERAL

Architectural concrete masonry exterior wall veneer facing. / PERFORMANCE REQUIREMENTS

Concrete Unit Masonry Construction: Comply with the following: 1. TMS 602-18 - Building Code Requirements for Masonry Structures. 2. TMS 602-18 - Specification for Masonry Structures.

3. National Concrete Masonry Association (NCMA) TEK Bulletins. SUBMITTALS Product Data:

1. Manufacturer's data sheets on each product to be used: 2. Installation methods including written plan for cold and hot weather construction and masonry

cleaning procedures. Selection Samples: Submit three full size units of each type/color of exposed architectural concrete masonry unit for review of color and texture to verify compliance with products specified. Provide the maximum color and texture variation range expected in the finished work. Production orders may be released after submittals are approved.

Y ASSURANCE Installer Qualifications: Installer who is approved by manufacturer for application of underlayment

s required for this Project. CONDITIONS Deliver architectural concrete masonry units to the job site on wood pallets with manufacturer's

recommended unit protective covers. PRODUCTS

TECTURAL CONCRETE MASONRY UNITS Burnished masonry veneer unit

Color: To match existing

a. As selected by Architect and Owner from manufacturer's colors. b. Match existing CMU texture and polish.

NRY Accessories: Mortar and grout:

1. Utilize Spec-Mix Mortar silos or premix 80 lb. bags to ensure mortar consistency. Pre- Mix silo mortar shall comply with ASTM C-1714. Contractor must keep delivery tickets from supplier

recording batch numbers. Mortar Type: Match existing color.

3. Type N for all anchored masonry veneers

EXECUTION NATION

Examine substrates, structure and installation conditions. Do not proceed with architectural concrete masonry work until unsatisfactory conditions have been corrected. Verify items provided by other Sections of work are properly sized and located. Verify that items to be built in are in proper location, and ready for roughing into masonry work.

If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory

paration before proceeding. RATION

Clean substrate surfaces thoroughly prior to installation. Establish lines, levels and coursing. Verify anchors and flashings are correctly located and installed.

Furnish temporary bracing as required during installation of masonry work. Maintain in place until Iding structure provides permanent support. Do not wet concrete masonry units except as per TMS 402/602

Prepare surfaces using the methods recommended by the manufacturer for achieving the best result the substrate under the project conditions.

Layout walls in advance for accurate spacing of surface bond patterns, with uniform joint widths and to properly locate openings, movement type joints, returns and offsets. Whenever possible, avoid the

use of less than half-size units at corners, jambs and other locations. Notify Design Professional when split masonry coursing at heads and sills of openings and cut concrete masonry coursing less than 4 inches in height not permitted. Lay-up walls plumb and true to comply with specified tolerances. Provide square corners, except as

erwise indicated, with courses level, accurately spaced and coordinated with other work. Use double s at multiple wythe walls. Lay hollow concrete masonry units with full mortar coverage on horizontal and vertical face shells. webs in mortar in starting course on footings, load bearing walls, all courses of piers, columns and asters and where adjacent to cells or cavities to be reinforced or filled with concrete or grout. Maintain inch nominal joint widths, except as necessary at first course bed joints, and except for minor

riations required to maintain bond alignment Lay solid concrete masonry units with completely filled bed and head joints; butter ends with sufficient rtar to fill head joints and shove into place. Do not slush head joints Compress and cut joints flush for masonry walls that are below grade, concealed or covered by other

Tool joints in all exposed masonry work to a concave joint when thumb print hard, unless plans ale olnerwise Remove masonry units disturbed after laying; clean and reset in fresh mortar. Do not pound corners ambs to fit stretcher units which have been set in position. If adjustments are required, remove units, an off mortar and reset in fresh mortar. Step back unfinished work adjoining new work. Rack back 1/2 unit length in each course; do not tooth. ean exposed surfaces of set masonry and remove loose masonry units and mortar before laying fresh

Veneer walls:

1. Concrete walls: Tie exterior masonry veneer wythe to concrete back-up with individual metal ties secured to dovetail anchor slots cast in concrete back-up. 2. Wood framed walls: Tie exterior masonry veneer wythe to back-up with individual metal ties nailed to wood stud wall framing. 4. Metal framed walls: Tie exterior masonry veneer wythe to back-up with individual metal ties screwed to metal wall framing.

5. Space ties 16 inches on center vertically and horizontally. 6. Place horizontal joint reinforcing in the masonry veneer as follows:

a. For nominal 4" high concrete masonry veneer units, place the horizontal joint reinforcement at no greater than 12" vertical spacing. b. For nominal 8" high concrete masonry veneer units, place the horizontal joint reinforcement at no greater than 16" vertical spacing.

ECTION 042223

57300 - ORNAMENTAL RAILINGS GENERAL

ion includes ornamental stainless steel railing system.

Product Data: Manufacturer's specifications and technical data including the following: Detailed specification of construction and fabrication.

Manufacturer's installation instructions. Shop Drawings: Submit shop drawings for fabrication and installation. Include the following:

Plans, elevations, and detail sections.

Indicate materials, methods, finishes, and types of joinery, fasteners, anchorages, and accessorv items. 3. Where materials or fabrications are indicated to comply with certain design loadings, include structural computations, material properties, and other information needed for structural analysis.

PRODUCTS

AINLESS STEEL RAILING SYSTEMS Stainless Steel Railing System Basis of Design: AGS Stainless Steel system or approved equal Fabrication: Factory welded components. Verify dimensions on site prior to shop fabrication.

Mill joints to a tight, hairline fit. Miter corner joints.

3. Structural Requirements: Fabricate integral railings and component connections to meet or exceed the requirements as set forth in the current, adopted ICC International Building Code (IBC), International Residential Code (IRC), or governing local code as applicable.

Post Material: ASTM A 554, Type A316 stainless steel, minimum Fy=40 ksi. Post Size: 1-1/2 inch (38.1 mm) x 1-1/2 inch (38.1 mm). Post Mounting Configuration: As indicated on Drawings.

Top Rail Material: ASTM A 554, Type A316 stainless steel, minimum Fy=40 ksi. Top Rail Shape, Size: Round, As indicated on drawings. Top Rail: As indicated on Drawings

EXECUTION AMINATION AND PREPARATION

If preparation is the responsibility of another installer, notify Architect in writing of deviations from acturer's recommended installation tolerances and conditions. Do not proceed with installation until substrates have been properly prepared and deviations from icturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended manufacturer for achieving the best result for the substrate under the project conditions. Commencement of installation constitutes acceptance of conditions.

Install railing system plumb, level, and true and in accordance with manufacturer's installation ions and recommendations.

Do not tighten the cables more than what is necessary to eliminate any sag. Provide anchorage devices and fittings to secure to in-place construction to adjacent construction. Separate dissimilar materials with bushings, grommets or washers to prevent electrolytic corrosion. Do not cut components, except for cable as required for installation, or abrade component finishes. Field touch-up of finishes only acceptable if done as per manufacturer's recommendations. Return components with damaged finishes to shop for required alterations according to manufacturer's return policy, followed by complete refinishing or provide new components.

E. Secure mounting brackets to building structure in a positive manner using manufacturer recommended reinforcement and anchorage methods for substrate conditions. Locate brackets and hardware at spacing required to support structural loads.

F. Installation of railing system shall be rigid and secure, installed by mechanics experienced in erection of architectural metal. Mounting hardware shall be drawn up tightly. Rails shall be set plumb and aligned.

SECTION 061053 - MISCELLANEOUS ROUGH CARPENTRY PART 1 - GENERAL 1.1 SUMMARY

A. Section Includes: 1. Wood blocking and nailers. 2. Plywood backing panels.

1.2 ACTION SUBMITTALS (FOR OWNER REVIEW) A. Product Data: For each type of process and factory-fabricated product.

1.3 INFORMATIONAL SUBMITTALS (FOR OWNER REVIEW) A. Evaluation Reports: For the following, from ICC-ES:

1. Fire-retardant-treated wood. Power-driven fasteners.

PART 2 - PRODUCTS 2.1 PERFORMANCE REQUIREMENTS

A. Sustainable Design Requirements: Comply with Authorities Having Jurisdiction. 2.2 WOOD PRODUCTS, GENERAL

A. Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.

1. Factory mark each piece of lumber with grade stamp of grading agency. 2. For exposed lumber indicated to receive a stained or natural finish, mark grade stamp on end or back of each piece or omit grade stamp and provide certificates of grade compliance issued by grading agency. B. Maximum Moisture Content of Lumber: 19 percent unless otherwise indicated. 2.3 FIRE-RETARDANT-TREATED MATERIALS

A. Fire-Retardant-Treated Lumber and Plywood by Pressure Process: Products with a flame-spread index of 25 or less when tested according to ASTM E 84, and with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet (3.2 m) beyond the centerline of the burners at any time during the test.

1. Exterior Type: Treated materials shall comply with requirements specified above for fire-retardanttreated lumber and plywood by pressure process after being subjected to accelerated weathering according to ASTM D 2898. Use for exterior locations and where indicated. 2. Interior Type A: Treated materials shall have a moisture content of 28 percent or less when tested

according to ASTM D 3201 at 92 percent relative humidity. Use where exterior type is not indicated. 3. Design Value Adjustment Factors: Treated lumber shall be tested according to ASTM D 5664, and

design value adjustment factors shall be calculated according to ASTM D 6841 B. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Kiln-dry plywood after treatment to a maximum moisture content of 15 percent.

C. Identify fire-retardant-treated wood with appropriate classification marking of qualified testing agency. D. Application: Treat all miscellaneous carpentry unless otherwise indicated.

2.4 MISCELLANEOUS LUMBER A. General: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following: . Blocking.

2. Nailers. B. Dimension Lumber Items: Construction or No. 2 grade lumber of any species.

2.5 PLYWOOD BACKING PANELS A. Equipment Backing Panels: Plywood, DOC PS 1, fire-retardant treated, in thickness indicated or, if not

indicated, not less than 3/4-inch (19-mm) nominal thickness. 2.6 FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture. 1. Where carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area

of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M of Type 304 stainless steel. B. Screws for Fastening to Metal Framing: ASTM C 1002, length as recommended by screw manufacturer for material being fastened. C. Power-Driven Fasteners: Fastener systems with an evaluation report acceptable to authorities having

jurisdiction, based on ICC-ES AC70. 2.7 MISCELLANEOUS MATERIALS A. Flexible Flashing: Composite, self-adhesive, flashing product consisting of a pliable, butyl rubber or

rubberized-asphalt compound, bonded to a high-density polyethylene film, aluminum foil, or spunbonded polyolefin to produce an overall thickness of not less than 0.025 inch (0.6 mm).

PART 3 - EXECUTION 3.1 INSTALLATION, GENERAL

A. Framing Standard: Comply with AF&PA's WCD 1, "Details for Conventional Wood Frame Construction." unless otherwise indicated. B. Set carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit carpentry accurately to other construction. Locate nailers, blocking, and similar supports to comply with requirements fo attaching other construction.

C. Install plywood backing panels by fastening to studs; coordinate locations with utilities requiring backing panels. Install fire-retardant-treated plywood backing panels with classification marking of testing agency exposed to view D. Securely attach carpentry work to substrate by anchoring and fastening as indicated, complying with the

following Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code.

2. ICC-ES evaluation report for fastener. 3.2 PROTECTION

A. Protect wood that has been treated with inorganic boron (SBX) from weather. If, despite protection, inorganic boron-treated wood becomes wet, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.

END OF SECTION 061053

SECTION 064000 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL 11 SUMMARY

A. Provide interior architectural woodwork complete; as indicated on drawings, as specified, and as required for proper completion of work. 1.2 DEFINITIONS

- A. In addition to cabinetry, countertops, miscellaneous trim, and items indicated on drawings, interior architectural woodwork includes wood furring, blocking, shims, and hanging strips for installing woodwork items unless concealed within other construction before woodwork installation. 1.3 SUBMITTALS
- A. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components. 1. Show details full size.
- 2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections. 3. Show locations and sizes of cutouts and holes for plumbing fixtures, faucets, and other items installed in architectural woodwork. B. Samples for verification:

Plastic laminates. 1.4 QUALITY ASSURANCE

A. Fabricator Qualifications: AWI/QCP certified fabricator/installer. Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performace.

- B. Source Limitations: Engage a qualified woodworking firm to assume undivided responsibility for production of interior architectural woodwork.
- Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards" for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver woodwork until painting and similar operations that could damage woodwork have been completed in installation areas. If woodwork must be stored n other than installed areas, store only in areas where environmental conditions comply with requirements specified in "Project Conditions" Article. 1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg. F and relative humidity between 25 and 55 percent during the remainder of the construction period. B. Field Measurments: Where woodwork is indicated to fit to other construction, verify dimensions of other
- construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work. 1. Locate concealed framing, blocking, and reinforcements that support woodwork by field

measurements before being enclosed, and indicate measurements on Shop Drawings. PART 2 - PRODUCTS 2.1 MATERIALS

Melamine: white

A. General: Provide materials that comply with requirements of AWI's quality standard (Custom-Grade) for each type of woodwork and quality grade specified, unless otherwise indicated. B. Wood Products: Comply with the following:

1. Hardboard: AHA A135.4 Medium-Density Fiberboard: ANSI A208.2, Grade MD.

windows, doors, sills, etc. prior to manufacturing.

2.2 CABINET HARDWARE AND ACCESSORIES

D. Catches: Magnetic catches, BHMA A156.9, B03141.

OMPX TIMBERLINE

MPX TIMBERLINE

120° Opening Capacity.

otherwise.

DOUBLE DOOR

CABINET LOC

SINGLE DOOR

CABINET LOCK DRAWER

requirements in BHMA A156.9.

requirements in BHMA A156.9.

SECTION 064000 CONTINUED ON SHEET GI-003

F. Door Locks:

malamine-impregnated decorative paper complying with LMA SAT-1.

except for items specified in Division 8 Section "Door Hardware."

C. Wire Pulls: Back mounted, Epco 4-inch wire pull, satin finish, model # MC402-4-SS.

C700BZ-15 C257SP-19

C700LP-15 C700BZ-15

G. Shelf rest: Hafele shelf pin spoon 5mm x 19mm nickel plated model #282.04.711.

. For concealed hardware, provide manufacturer's standard finish that complies with product class

3. Particleboard: ANSI A208.1, Grade M-2 4. Particleboard: Straw-based particleboard complying with requirements in ANSI A208.1, Grade M-2, except for density. 5. Plywood: Marine grade ply.

1. Provide 0.5mm PVC edge banding in case edge, shelf edges, and drawer box edge.

2. Any exposed cabinet edge to be clad with laminate. Field verify casework in conjunction with

B. Hinges: Blum 120-degree hinge system, press in without plate 73T5580/175H9100; nickel plated.

250 SERIES DOOR LOCK LOCK PLUG

230 SERIES DRAWER LOCK BODY

SATIN NICKEL

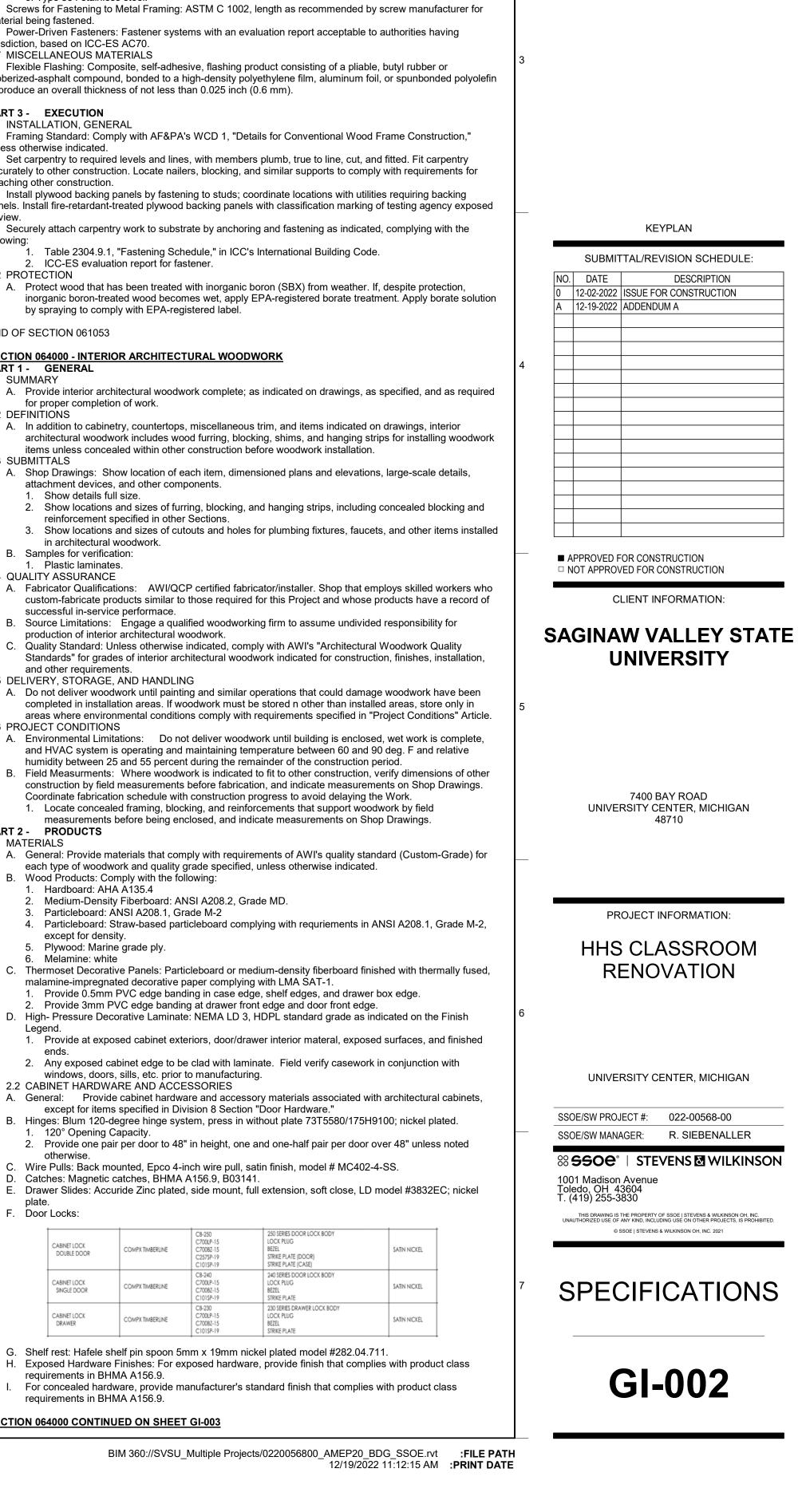
SATIN NICKEL

STRIKE PLATE (DOOR) STRIKE PLATE (CASE) 240 SERIES DOOR LOCK BOD

LOCK PLUG

STRIKE PLATE

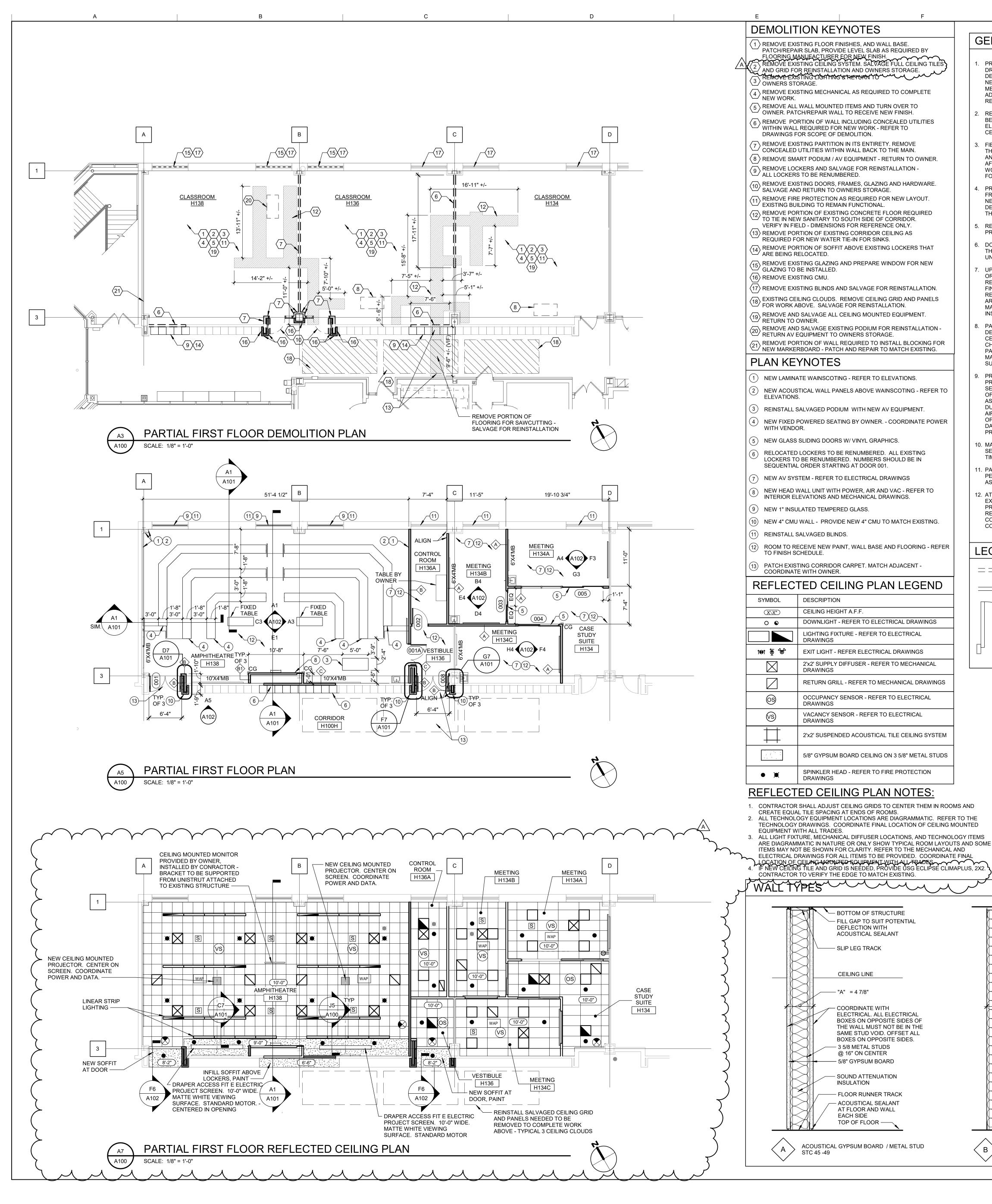
2. Provide 3mm PVC edge banding at drawer front edge and door front edge.



88 **550e**°

PROFESSIONAL SEALS:

CONSULTANTS:



GENERAL DEMOLITION NOTES

- PROVIDE DEMOLITION WORK SHOWN ON THE DRAWINGS AND RELATED AND INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE NEW CONSTRUCTION WORK. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE AND REQUIREMENTS.
- REMOVE ENTIRE WALL ASSEMBLY INDICATED TO BE DEMOLISHED, INCLUDING CONCEALED ELEMENTS WITHIN PARTITIONS AND ABOVE-CEILING CONSTRUCTION (UNO)
- FIELD VERIFY EXISTING CONDITIONS, PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING ANY DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
- PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION AND/OR NEW CONSTRUCTION OPERATIONS. CONDUCT DEMOLITION OPERATIONS SO AS TO MINIMIZE THE DEVELOPMENT AND SPREAD OF DUST.
- REMOVE DEMOLITION MATERIALS FROM SITE PROMPTLY AND DISPOSE OF LEGALLY OFF SITE. DO NOT ALTER THE STRUCTURAL INTEGRITY OF
- THE EXISTING BUILDING OR ITS ASSEMBLIES UNLESS SPECIFICALLY NOTED OTHERWISE.
- UPON REMOVAL OF FINISH MATERIALS INDICATED OR REQUIRED, PREPARE SUBSTRATE TO RECEIVE NEW FINISH. REFER ALSO TO ROOM FINISH SCHEDULE FOR NEW MATERIAL(S). REPAIR ANY EXISTING DAMAGE, OR DAMAGE ARISING FROM DEMOLITION OPERATIONS, TO MATCH EXISTING AND AS NEEDED FOR INSTALLATION OF NEW FINISH(S).
- PATCH AND REPAIR DAMAGE ARISING FROM DEMOLITION OPERATIONS TO FLOOR, WALL AND CEILING SURFACES, TO MATCH EXISTING. PATCH CHIPPED OR SPALLED CONCRETE CAUSED BY PARTITION REMOVAL. REMOVE ANY EXTRANEOUS 20. EXISTING CONSTRUCTION MAY CONTAIN MATERIAL AND PATCH TO MATCH ADJACENT SURFACES.
- PROVIDE 1 HOUR FIRE-RESISTANT RATED DUST PROOF BARRIERS (U.L. DESIGN U309) TO SEPARATE DEMOLITION AREA FROM THE REST OF THE FACILITY. PROVIDE TEMPORARY FILTERS AS REQUIRED TO PREVENT THE SPREAD OF DUST THROUGH THE BUILDING VIA THE RETURN AIR SYSTEM. UPON COMPLETION OF DEMOLITION OPERATIONS, REMOVE BARRIERS AND REPAIR DAMAGE CAUSED BY THEIR INSTALLATION OR PRESENCE TO "LIKE NEW" CONDITION.
- 0. MAINTAIN MEANS OF EGRESS, AND KEEP FULLY SEPARATE FROM CONSTRUCTION AREA AT ALL TIMES
- 1. PATCH AND REPAIR OPENINGS IN AND/OR PENETRATIONS THROUGH EXISTING FIRE RATED ASSEMBLIES AND SMOKE BARRIER ASSEMBLIES.
- 12. AT UNEVEN AREAS AND DEPRESSIONS IN EXISTING CONCRETE FLOOR CONSTRUCTION. PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED TO PROVIDE SUITABLE BASE CONDITION FOR NEW FINISH(ES) AND NEW CONSTRUCTION.

 \equiv \equiv \equiv \equiv \equiv EXISTING TO BE REMOVED

EXISTING TO REMAIN

EXISTING DOOR & FRAME TO

BE REMOVED. (U.N.O.)

LEGEND

- 13. COORDINATE TIMING AND HOURS OF DEMOLITION OPERATIONS WITH OWNER'S SCHEDULE.
- 14. MINIMIZE NOISE FROM DEMOLITION OPERATIONS PARTICULARLY WHEN CONDUCTED DURING REGULAR OPERATING HOURS.
- 15. SAWCUT SLABS ON GRADE WHERE REQUIRED TO INSTALL NEW CONDUIT, PIPING, ETC. REFER ALSO TO MECHANICAL AND ELECTRICAL DRAWINGS. PATCH AND REPAIR SLABS TO MATCH EXISTING.
- 16. CORE EXISTING FLOOR SLAB CONSTRUCTION WHERE REQUIRED FOR INSTALLATION OF REQUIRED CONDUIT, PIPING, ETC. REFER ALSO TO MECHANICAL AND ELECTRICAL DRAWINGS. PROVIDE UL RATED FIRE SAFING ASSEMBLIES AT ALL SUCH CONDITIONS.
- 17. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDING AREAS. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA. A. PROTECT WALLS, CEILINGS, FLOORS AND
- OTHER FINISH WORK THAT ARE TO REMAIN AND ARE EXPOSED DURING SELECTIVE DEMOLITION OPERATIONS. COVER AND PROTECT FURNISHINGS AND EQUIPMENT THAT HAVE NOT BEEN REMOVED.
- C. DO NOT BLOCK ANY EXITS DURING CONSTRUCTION OPERATIONS. 18. CLEAN ADJACENT STRUCTURES AND
- IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION AND NEW CONSTRUCTION OPERATIONS.
- 19. IN WALLS TO BE REFINISHED; REMOVE EXISTING MISCELLANEOUS ACCESSORIES TO FACILITATE INSTALLATION OF NEW FINISHES. PATCH, REPAIR, AND PREP WALLS TO RECEIVE NEW FINISHES. ITEMS REMOVED TO BE SALVAGED AND GIVEN BACK TO THE OWNER.
- ASBESTOS CONTAMINATED PRODUCTS. MATERIALS THOUGHT TO CONTAIN ASBESTOS MUST BE INSPECTED BY AN EPA CERTIFIED INSPECTOR CAPABLE OF SAMPLING FOR THE EXISTENCE OF ASBESTOS. WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT OSHA REGULATIONS AND DISPOSED OF IN ACCORDANCE WITH CURRENT EPA REGULATIONS.
- 21. EXISTING CONSTRUCTION MAY CONTAIN LEAD CONTAMINATED PRODUCTS. MATERIALS THOUGHT TO CONTAIN LEAD MUST BE INSPECTED BY AN EPA CERTIFIED INSPECTOR CAPABLE OF SAMPLING FOR THE EXISTENCE OF LEAD. WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT OSHA/EPA REGULATIONS AND DISPOSED OF IN ACCORDANCE WITH CURRENT EPA REGULATIONS.

AREA OF SLAB TO BE

AND ELECTRICAL

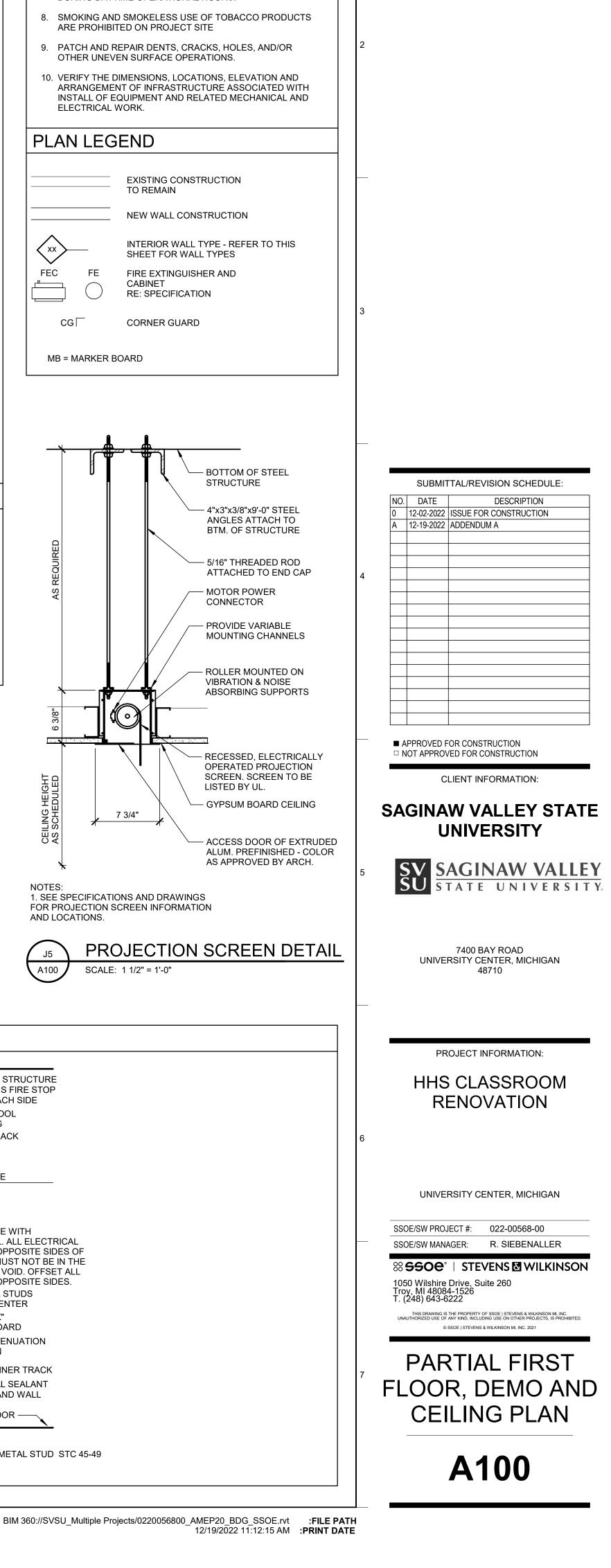
REMOVED. COORDINATE

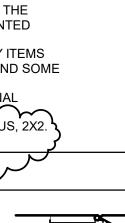
EXTENT WITH MECHANICAL

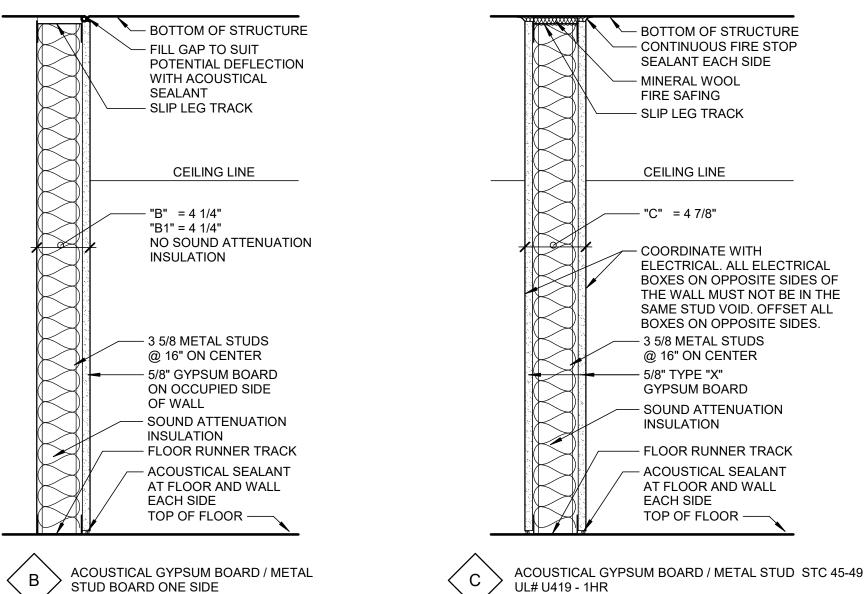
GENERAL CONSTRUCTION NOTES

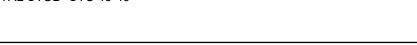
- COORDINATE SCHEDULE OF OVERALL CONSTRUCTION AND DAY-TO-DAY CONSTRUCTION OPERATIONS WITH OWNER'S SCHEDULE REQUIREMENTS.
- FLOOR PLAN DRAWINGS ARE COMPOSITES OF EXISTING CONSTRUCTION TO REMAIN AND NEW CONSTRUCTION. EXISTING CONSTRUCTION IS SHOWN IN LIGHTER, OUTLINE FORM. NEW CONSTRUCTION IS INDICATED WITH HEAVIER LINEWORK AND SHADED AND ADDITIONALLY MAY BE IDENTIFIED BY NOTE, KEYNOTE, LARGER SCALE DETAIL REFERENCE, OR MATERIAL PATTERN (REFER ALSO TO LEGEND).
- DIMENSIONS ARE TO FINISH FACE OF WALL OR CASEWORK UNLESS NOTED OTHERWISE (UNO).
- FIELD VERIFY PROJECT CONDITIONS PRIOR TO THE START OF, AND AS NEEDED DURING THE COURSE OF CONSTRUCTION. BRING DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT CONSTRUCTION TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
- KEEP MEANS OF EGRESS OPEN, PROPERLY ILLUMINATED, AND FREE OF OBSTRUCTIONS.
- WHERE NEW WALL CONSTRUCTION ABUTS EXISTING, WALL DIRECTLY ALIGN NEW FINISH SURFACES(S) WITH EXISTING.
- KEEP CONSTRUCTION NOISE TO A MINIMUM, PARTICULARY DURING DAYTIME OPERATIONAL HOURS.
- OTHER UNEVEN SURFACE OPERATIONS.
- 10. VERIFY THE DIMENSIONS, LOCATIONS, ELEVATION AND ELECTRICAL WORK.

	EXISTING CONSTRUCTION TO REMAIN
	NEW WALL CONSTRUCTION
XXX—	INTERIOR WALL TYPE - REFER TO THIS SHEET FOR WALL TYPES
FEC FE	FIRE EXTINGUISHER AND CABINET RE: SPECIFICATION
cg⊢	CORNER GUARD











PROFESSIONAL SEALS: