WALLACE ARCHITECTS, LLC

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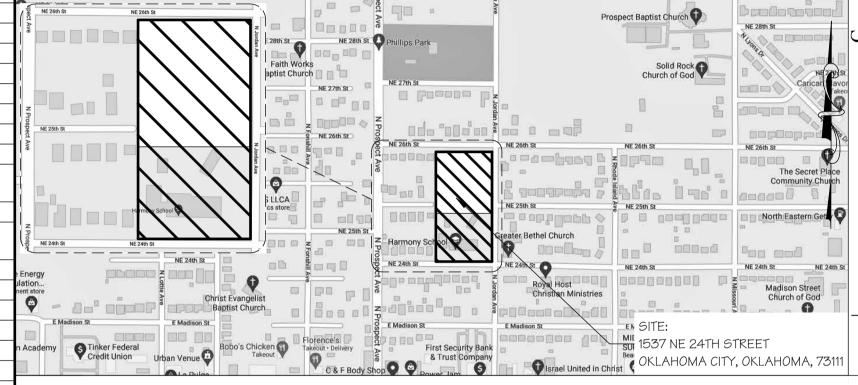
OKLAHOMA CITY, OKLAHOMA COUNTY, OKLAHOMA

PROJECT INFORMATION						INDEX TO DRAWINGS						A			
	SITE DATA				Sheet		Sheet Issue	Current Revision	Current Revision	Sheet				Current evision	
	SITE ZONING: SEE CIVIL					Sheet Name	Date	Date	Descrip.	#	Sheet Name			escrip.	ΙN
	SITE SIZE: SEE CIVIL				1 - COVER	S SHEET				4 - MECH	ANICAL, ELECTRICAL & PLUMBING BY J-SQUARE	ED ENGINEERING] ^ `
	SITE DENSITY: SEE CIVIL				0.0R	COVER SHEET ARCHITECTURAL SCOPE		25 JAN 2022 08 OCT 2021		MEP1	MECHANICAL ELECTRICAL PLUMBING COVER SHEET	08 OCT 2021 08 OC	T 2021 ISSL	E SET	
	PARKING SPACES: SEE CIVIL				2 - CIVIL S	SHEETS BY BWR DESIGN GROUP, LLC	08 001 2021	1000012021	ISSUE SET	MEP2	ROOF PLAN	08 OCT 2021 08 OC	T 2021 ISSL	E SET	∤ O
	BUII	LDING DATA			-	SEE CIVIL DRAWINGS	-		-	M101	BASEMENT & FIRST FLOOR HVAC PLAN	08 OCT 2021 08 OC		E SET	
	TOTAL RENTAL UNITS: (20) TOTAL UNITS: (2) ST		-BR UNIT, (1) A/V 2-BR L	JNIT, (5) 2-BR UNITS	3 - ARCH A1.0R	IITECTURAL BASEMENT & FIRST FLOOR DEMO PLANS	08 OCT 2021	1 25 JAN 2022	ADDENDUM #1	M102 M501	SECOND FLOOR HVAC PLAN HVAC DETAILS	08 OCT 2021 08 OC		E SET E SET	-
	DWELLING UNITS: TYPE	COMPLIANCE WITH	QTY SF	TOTAL SF	A1.1R	SECOND FLOOR DEMO PLAN		08 OCT 2021		M601	HVAC SCHEDULES	08 OCT 2021 08 OC		E SET	NE 26th St
C	STUDIO-A (UNIT 102)	-	1 476	476	A1.2R	BASEMENT & FIRST FLOOR RENOVATED	08 OCT 2021	25 JAN 2022	ADDENDUM #1	EP101	BASEMENT & FIRST FLOOR POWER PLAN	08 OCT 2021 08 OC		E SET	Ave
	STUDIO-B (UNIT 206)	-	1 511	511	A1.3R	BUILDING PLANS SECOND FLOOR RENOVATED BUILDING PLAN	08 OCT 2021	08 OCT 2021	ISSUE SET	EP102 FL101	SECOND FLOOR POWER PLAN BASEMENT & FIRST FLOOR LIGHTING PLAN	08 OCT 2021 08 OC		E SET E SET	-
	1-BR-A (UNIT 103)	-	1 612	612	A1.4R	UNIT DIMENSION PLANS & NOTES			ISSUE SET	EL102	SECOND FLOOR LIGHTING PLAN	08 OCT 2021 08 OC		E SET	
	1-BR-B (UNIT 105)	-	1 601	601	A1.5R	UNIT DIMENSION PLANS			ISSUE SET	E501	ELECTRICAL DETAILS & SCHEDULES	08 OCT 2021 08 OC		E SET	N Pros
	1-BR-C (UNIT 106)	-	1 767	767	A1.6R A1.7R	UNIT DIMENSION PLANS UNIT DIMENSION PLANS			ISSUE SET	E601 E602	ELECTRICAL SCHEDULES ELECTRICAL SCHEDULES	08 OCT 2021 08 OC		E SET E SET	- NE 25th St
	1-BR-D (UNITS 108 & 109 1-BR-E (UNIT 202)) - -	2 691 1 851	1,382	A1.8R	MANEUVERING CLEARANCE PLAN			ISSUE SET	PS101		08 OCT 2021 08 OC			1
	1-BR-F (UNIT 204)	-	1 840	840	A1.9R	DOOR SCHEDULES, DETAILS AND WALL TYPES			ISSUE SET		PLAN				
	1-BR-G (UNIT 205)	-	1 774	774	A2.0R	ROOF DEMO PLAN, RENOVATION PLAN			ISSUE SET	PS102 PW101	SECOND FLOOR SANITARY SEWER PLAN BASEMENT & FIRST FLOOR WATER & GAS	08 OCT 2021 08 OC			-
	1-BR-H (UNIT 207)	-	1 588	588	A3.0R A3.1R	EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS		25 JAN 2022 25 JAN 2022		VVIOI	PLAN				NE 24th St
	1-BR-I (UNIT 209)	-	1 633	633	A3.2R	EXISTING EXTERIOR WINDOW ELEVATIONS	-	08 OCT 2021		PW102	SECOND FLOOR WATER & GAS PLAN	08 OCT 2021 08 OC			Energy
	1-BR-J (UNIT 210)	-	1 706	706	A3.3R			08 OCT 2021		P501	PLUMBING DETAILS & SCHEDULES 1-BEDROOM-ACCESSIBLE UNIT PLAN	08 OCT 2021 08 OC			ulation nent store
	ACC. 1-BR (UNIT 107)	UFAS	1 763	763	A4.OR	WALL SECTIONS, WINDOW, DOOR & FURRING DETAILS	08 OCT 2021	08 OCT 2021	ISSUE SET		STUDIO-A UNIT PLAN	08 OCT 2021 08 OC			E Madis
	2-BR-A (UNIT 101)	-	1 1,142	1,142	A4.1R	STAIR PLANS & SECTIONS	08 OCT 2021	08 OCT 2021	ISSUE SET	UP-S.B	STUDIO-B UNIT PLAN	08 OCT 2021 08 OC			n Academy
	2-BR-B (UNIT 104)	A/V UNIT PER UFAS	1 1,081	1,081	A4.2R	WINDOW SECTIONS			ISSUE SET	UP-1.A	1-BEDROOM & UNIT PLAN	08 OCT 2021 08 OC			
	2-BR-C (UNIT 110)	-	1 1,021	1,021	A5.0R A5.1R	FIRE RATING ASSEMBLIES FIRE RATING ASSEMBLIES	-	08 OCT 2021 08 OCT 2021		UP-1.B UP-1.C	1-BEDROOM-B UNT PLAN 1-BEDROOM-C UNIT PLAN	08 OCT 2021 08 OC			-
	2-BR-E (UNIT 201)	-	1 1,189	1,189	A5.2R	FIRE RATING ASSEMBLIES		08 OCT 2021		UP-1.D	1-BEDROOM-D UNIT PLAN	08 OCT 2021 08 OC			
	2-BR-F (UNIT 203)	-	1 1,047	1,047	A6.0R	UNIT FINISH PLANS	-		ISSUE SET	UP-1.E	1-BEDROOM-E UNIT PLAN	08 OCT 2021 08 OC			NOT
	2-BR-G (UNIT 208)		1 1,129	1,129 16,113	A6.1R	UNIT FINISH PLANS				UP-1.F UP-1.G	1-BEDROOM-F UNIT PLAN 1-BEDROOM-G UNIT PLAN	08 OCT 2021 08 OC			LAW
		DWEL	²⁰ LLING AREA TOTAL SF:		A6.2R A6.3R	UNIT FINISH PLANS UNIT FINISH PLANS		08 OCT 2021 08 OCT 2021		UP-1.H	1-BEDROOM-H UNIT PLAN	08 OCT 2021 08 OC			
			RESIDENTIAL AREA SF:		A6.4R	UNIT FINISH PLANS		08 OCT 2021		UP-1.I	1-BEDROOM-I UNIT PLAN	08 OCT 2021 08 OC			ARC: 302 C
			BLDGS. TOTAL SF:		A6.5R	UNIT FINISH PLANS		08 OCT 2021		UP-1.J UP-2.A	1-BEDROOM-J UNIT PLAN 2-BEDROOM-A UNIT PLAN	08 OCT 2021 08 OC		E SET E SET	BY:
В	CODEC	DECLIL ATION			_ A6.6R	COMMON AREA FINISH PLAN & CORRIDOR FINISH PLAN	08 001 2021	25 JAN 2022	ADDENDUM #1	UP-2.B	2-BEDROOM-B UNIT PLAN	08 OCT 2021 08 OC			OWN
		<u>/REGULATION</u>	V 5		A7.0R	INTERIOR ELEVATIONS NOTES AND DETAILS		08 OCT 2021		UP-2.C	2-BEDROOM-C UNIT PLAN	08 OCT 2021 08 OC		E SET	1901
	BLDG. & RELATED CODES: 2015 IEBC, 2015 IBC ENERGY CODE(5): 2009 IECC				A7.1R A7.2R	INTERIOR ELEVATIONS INTERIOR ELEVATIONS		08 OCT 2021			2-BEDROOM-E UNIT PLAN	08 OCT 2021 08 OC			$\frac{\text{BY:}}{\text{COM}}$
	MECHANICAL CODE(S): 2015 IMC				A7.2R A8.0R			08 OCT 2021 25 JAN 2022		UP-2.F UP-2.G	2-BEDROOM-F UNIT PLAN 2-BEDROOM-G UNIT PLAN	08 OCT 2021 08 OC		E SET E SET	CON' 1901
	ELECTRICAL CODE(9): 2017 NEC				A8.1R			08 OCT 2021							BY:
	PLUMBING CODE(5): 2015 IPC				1										OKL
	FIRE CODE(S): 2015 IFC				1										205 N
	ACCESSIBILITY CODE(S): UFAS AT R-2 & ADA 2010	O AT COMMON AREAS]										BY:
	OHFA: OHFA STATE POLICIES &	& GUIDELINES, UNIVERSAL DESIGN]										PM: RP
	MISC: ALL APPLICABLE FEDERA	AL, STATE, AND LOCAL CODES, LAWS &	& ORDINANCES					~~~~~~	· · · · · · · · · · · · · · · · · · ·	~~~~~					PC: CG
	BUILDII	NG CODE DAT	ΓΑ				INDEX TO D	RAWINGS HAS	BEEN UPDATED	TO REFLECT	SHEETS REVISED BY ADDENDUM #1				T. <u>co</u>
	USE GROUP: RESIDENTIAL, R-2	THE CODE DITT			11		Luuuu			mmm					
	CONSTRUCTION TYPE: EXISTING 3A WITH NEW N	NFPA 13 SPRINKLER SYSTEM]										
	EXTERIOR WALL CONSTRUCTION: EXISTING 2-HR EQUIVALE														
	OTHER WALL CONSTRUCTION: NEW 1-HR DWELLING UNI	IT SEPARATION WALLS			41										
	ROOF/CLG & FLR/CLG CONSTRUCTION: 1-HR	REQUIDED.			41										
	AREA INCREASE ADJUSTMENTS: NONE REQUIRED, NONE F ACTUAL AREA: FLOOR 1 TOTAL SQUARE				-{										
	FLOOR 2 TOTAL SQUARE														
	ALLOWABLE HEIGHT & FLOORS: 40'-0", 2 STORIES]										
	ACTUAL HEIGHT & FLOORS: 19'-9", 1 STORY				11										
	HEIGHT/ AREA ADJUSTMENTS: NONE TAKEN, NONE REQ				41										
A	FIRE SUPPRESSION SYSTEM @ NFPA 13 SYSTEM DESIG RESIDENTIAL BUILDINGS: INSTALLER. PROTECTION														
	SYSTEMS AS REQUIRED	O - NO WET PIPING TO BE INSTALLED IN	ATTIC OR OTHER UNCO	NDITIONED SPACES.											
	, ,	(LERS 6'-0" O.C. AROUND THE 2ND FLOO			41										
		WNER REGARDING THE INSTALLATION EEZE PROTECTION PER O.O CODE DATA													
		CODE DATA INFORMATION. THIS COOR			J├──										4
						MATERIAL SQ). FT.	DISC	LAIM	ER:					
						SQUARE FOOTAGE CALCULATION OF FIN	IISH MATERIA	LS ARE BASE	ON EXISTING LA	YOUTS & INF	FORMATION IN PART AS PROVIDED BY OTHERS. T ARCHITECT ASSUMES NO RESPONSIBILITY FOR T				
						SHALL PERFORM INDEPENDENT FIELD V				-					

ARCHITECT'S JOB NO. 3849R NPS NO. 40441/OK-1900009

OHFA PROJECT NO. 20-06-45

PROJECT LOCATION MAP



SIGNATURE AREAS

OTE: PROJECT CONSTRUCTION MUST BE IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES, AWS, AND REGULATIONS AS ENUMERATED ELSEWHERE IN THE PLANS AND SPECIFICATIONS.

ARCHITECT: WALLACE ARCHITECTS, L.L.C. 302 CAMPUSVIEW DRIVE SUITE 208, COLUMBIA, MO 65201 DATE: WNER: HARMONY AFFORDABLE HOUSING PARTNERS, LP 901 N KICKAPOO AVE, SHAWNEE, OK 74804 DATE: CONTRACTOR: MIKE D. LITTLE CONSTRUCTION CO., INC. 901 N KICKAPOO AVE, SHAWNEE, OK 74804 DATE: KLAHOMA HOUSING FINANCE AGENCY 05 NW 63RD ST #140, OKLAHOMA CITY, OK 73116

PLAN SET <u>CG</u> | NO. _____ JURISDICTION APPROVAL STAMPS

ADDENDUM #1

- BDO3 SAW CUT OR CORE, AND REMOVE PORTIONS OF CONCRETE SLAB AS REQUIRED FOR MECHANICAL, ELECTRICAL AND PLUMBING ROUGH-INS. COORDINATE ROUTING WITH MEP AND STRUCTURE. NOTIFY ARCHITECT OF DISCREPANCIES IF PROPOSED PENETRATIONS OR MEP ROUGH-INS CONFLICT WITH EXISTING
- BDO4 AT AREAS WHERE EXISTING WALLS ARE SHOW TO REMAIN, RETAIN AND PROTECT EXISTING WOOD TRIM AND MILLWORK THAT IS TO BE REFINISHED.
- BDO5 AT EXISTING COORIDOR WALLS TO REMAIN, INFILL FRAME AT EXISTING VOIDS WHERE MISSING DISPLAY CASES WERE PREVIOUSLY LOCATED.
- BDO6 REMOVE ALL EXISTING WINDOWS AND EXTERIOR PANNING AND PREPARE FOR NEW REPLACEMENT WINDOWS AND PANNING AS APPROVED BY ARCHITECT AND HISTORIC PRESERVATION CONSULTANT. (PROTECT IN PLACE EXISTING CASINGS, TRIM, STOOLS, ETC. TO BE REFINISHED. SEE HISTORIC BRIEFS FOR
- BD07 REMOVE ALL EXISTING INTERIOR UNIT DISPLAY CASES AND ASSOCIATED FRAMING. VOIDS AND OPENINGS FROM DEMOLITION SHALL BE PATCHED AND/OR INFILL FRAMED TO MATCH ADJACENT FINISH SURFACE AND
- BDO8 REMOVE ALL EXISTING DOORS AND HARWARE TO BE REPLACED. EXISTING DOOR CASING, TRIM, AND TRANSOMS ARE TO REMAIN AND TO BE PROTECTED IN PLACE TO BE REFINISHED. SEE HISTORIC BRIEFS FOR ADDITIONIAL REQUIREMENTS.
- BD09 REMOVE EXISTING EQUIPMENT IN BASEMENT AREA. COORDINATE WITH GENERAL CONTRACTOR AND MEP FOR ITEMS TO BE ABANDONED IN PLACE.
- BD10 REMOVE EXISTING SUMP PUMP AND ASSOCIATED EQUIPMENT AND PREPARE FOR INSTALLATION OF NEW SUMP PUMP SYSTEM. (COORDINATE WITH PLUMBING AND ELECTRICAL)
- BD11 REMOVE EXISTING METAL HANDRAILS AT ALL STAIR CONDITIONS WITH METAL HANDRAILS AND PREPARE FOR INSTALLATION OF NEW METAL HANDRAILS.
- BD12 REMOVE ALL ABANDONED MEP LINES. CAP ALL PLUMBING, ELECTRICAL LINES AND CONDUITS AT ALL SLAB, WALL AND CEILING PENETRATIONS TO BE DEMOLISHED OR ABANDONED. COORDINATE WITH MEP DRAWINGS FOR ALL EXISTING MECHANICAL, PLUMBING AND ELECTRICAL RUNS TO BE REMOVED.
- BD13 REMOVE ALL PLUMBING FIXTURES AND ASSOCIATED DWV, WATER SUPPLY LINES AT EXISTING RESTROOMS. CAP ABONDONED LINES, INFILL AND SEAL IN WALL AND FLOOR SLAB CONDITIONS. COORDINATE WITH
- BD14 REMOVE RAISED FLOOR DOWN TO ADJACENT FINISH FLOOR LEVEL. CAP ABANDONED PIPES AND PENETRATIONS. NOTIFY ARCHITECT OF ANY DISCREPENCIES PRIOR TO COMMENCING WORK.
- BD15 REMOVE EXISTING AUDITORIUM STAGE EQUIPMENT AND LIGHTING. REPAIR WALL, CEILING AND FLOOR DAMAGE CAUSED FROM REMOVAL OF EQUIPMENT AND MATCH ADJACENT FINISH AND TEXTURE.
- BD16 REMOVE AREAS OF DAMAGED AUDITORIUM WOOD STAGE FLOORING AND REPAIR. PREPARE WOOD FLOORING SYSTEM TO BE REFINISHED. STAIN SELECTION AND SHEEN TO BE APPROVED BY HISTORIC PRESERVATION CONSULTANT. PROVIDE 5SF AREA MOCKUP OF FLOORING TO BE REFINISHED FOR ARCHITECT AND HISTORIC PRESERVATION CONSULTANT APPROVAL . SEE HISTORIC PRESERVATION BRIEFS FOR ADDITIONAL INFORMATION.
- BD17 CUT OPENINGS IN EXISTING ROOF FOR MECHANICAL PENETRATIONS. VERIFY FINAL LOCATIONS AND SIZE WITH MECHANICAL DRAWINGS/ENGINEER. PROPERLY FLASH AND SEAL AROUND ROOF PENETRATION AND/OR EQUIPMENT CURBS.
- BD18 SAW CUT AND REMOVE PORTIONS OF EXTERIOR MASONRY WALL TO ACCOMODATE NEW MEP PENETRATIONS. COORDINATE LOCATION IN FIELD WITH MEP ROUTING.
- BD19 REMOVE EXISTING RTU AND MECHANICAL EQUIPMENT FROM EXISTING ROOF AREAS. REMOVE EXISTING EQUIPMENT CURBS TO BE FLUSH WITH ADJACENT ROOF SURFACE AND INFILL FRAME MECHANICAL OPENING WITH 2X10 PERIMETER BOX FRAME EXPOXY ANHORED TO EXISTING STRUCTURE, WITH 2X10'S PLACED 16"O.C WITH SIMPSON HANGERS. (COORDINATE WITH MECHANICAL)
- BD20 PROVIDE ASBESTOS ABATEMENT/REMEDIATION PER PHASE 1 ENVIRONMENTAL SITE ASSESSMENT REPORT BY A LICENSED CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY.
- BD21 PROVIDE LEAD-PAINT ABATEMENT/REMEDIATION PER PHASE 1 ENVIRONMENTAL SITE ASSESSMENT REPORT BY A LICENSED CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY
- BD22 REMOVE AND DISCARD ALL LAYERS OF EXISTING APPLIED FLOOR FINISHES AND ADHESIVES DOWN TO HARD SURFACES SUCH AS CONCRETE AND TERRAZZO.
- BD23 REMOVE ALL EXISTING EQUIPMENT BELOW AUDITORIUM STAGE IN MECHANICAL CRAWL SPACE.
- BD24 REMOVE EXISTING ROOF HATCH AND PREPARE FOR INSTALLATION OF NEW ROOF HATCH SYSTEM.
- BD25 REMOVE ALL EXISTING SUSPENDED CEILINGS AND ASSOCIATED TRADE WORK. PREPARE FOR NEW CEILING FINISHES; SEE FINISH SCHEDULE AND REFLECTED CEILING PLANS.
- BD26 FIELD INSPECT AND REMOVE ANY DAMAGED PLASTER AT WALLS TO REMAIN AND PREPARE FOR NEW FINISHES OF MATCHING FINISH TEXTURE.
- BD27 REMOVE EXISTING AUDITORIUM VINYL FLOOR TILE AS PART OF HAZARDOUS MATERIAL ABATEMENT AND PREPARE SURFACES FOR NEW FLOOR FINISHES PER FINISH SCHEDULE
- BD28 REMOVE EXISTING TONGUE AND GROOVE WOOD FLOORING WHERE IT OCCURS AND PREPARE SUBFLOOR OR CONCRETE SLAB AS REQUIRED FOR NEW FLOOR FINISHES (AUDITORIUM WOOD FLOORING TO BE REPAIRED AND REFINISHED).

ATTACHMENT NO.12 GENERAL NOTES

- AB1 PROVIDE AND INSTALL CEILING FAN/LIGHT KITS IN EACH BEDROOM AND EACH LIVING ROOM
- AB2 INSTALL A SMOKE DETECTOR IN EACH BEDROOM AND EACH LIVING ROOM
- AB3 PROVIDE (5) 10'X10' PREMANUFACTURED ICC/NSSA 500 OR FEMA STORM SHELTERS EQUIPPED WITH SELF CONTAINTED PORTABLE CHEMICAL TOILETS AND SANITATION STATIONS, WITH BATTERY POWERED LIGHTING.
- AB4 PROVIDE AND INSTALL A NEW DISHWASHER IN EACH UNIT (MANUFACTURE AND COLOR PER OWNER)
- AB5 PROVIDE AND INSTALL NEW FITNESS CENTER (OWNER TO PROVIDE A MINIMUM OF TWO PIECES OF EQUIPMENT)
- ATTACHMENT NO.14 GENERAL NOTES
- A1 PROVIDE SHOWER HEADS WITH A MAXIMUM OF 2.5 GALLONS PER MINUTE FLOW RATE

AB6 PROVIDE WASHER AND DRYER HOOKUPS AND NEW WASHERS & DRYERS AS INDICATED.

- A2 PROVIDE AND INSTALL ENERGY STAR QUALIFIED APPLIANCES
- A3 PROVIDE AND INSTALL ENERGY STAR QUALIFIED HVAC EQUIPMENT
- A4 PROVIDE AND INSTALL LED LIGHTING THROUGHOUT THE ENTIRE DEVELOPMENT (UNITS, COMMON AREAS, PARKING LOTS, ETC.)
- A5 PROVIDE AND INSTALL ENERGY STAR QUALIFIED WINDOWS WITH LOW E GLASS.
- A6 USE ONLY LOW VOC PAINT THROUGHOUT THE DEVELOPMENT (COLORS BY OWNER AND HISTORIC PRESERVATION CONSULTANT)
- A7 PROVIDE AND INSTALL PROGRAMMABLE THERMOSTATS THROUGHOUT DEVELOPMENT
- A8 PROVIDE AND INSTALL MOLD GUARD DRYWALL IN THE BATHROOMS, KITCHEN, AND LAUNDRY ROOMS

EXTERIOR BUILDING REHABILITATION KEYNOTES

- XO1 CLEAN EXISTING EXTERIOR MASONRY AT ALL ELEVATIONS, INCLUDING BUT NOT LIMITED TO VISIBLE EXTERIOR BRICKWORK AND STONEWORK, IN A MANNER CONSISTENT WITH NATIONAL PARK SERVICE PUBLISHED PRESERVATION BRIEFS. DO NOT DAMAGE OR ALTER THE PHYSICAL CHARACTERISTICS OF THE MASONRY SURFACES. WATER PRESSURE SHALL BE AS LOW AS POSSIBLE AND SHALL NOT EXCEED 350 PSI. PROVIDE MINIMUM 9 SF MOCK-UP PANEL OF CLEANED AREA FOR INSPECTION AND APPROVAL BY HISTORIC PRESERVATION SPECIALIST. PROVIDE AS MANY MOCK-UP PANELS AS NEEDED TO DEMONSTRATE VARIOUS CLEANING MATERIALS AND PRESSURES CONSIDERED AND TO GAIN APPROVAL BEFORE PROCEEDING WITH OVERALL CLEANING OPERATIONS. SUBMIT PROPOSED CLEANING MATERIALS AND DESCRIPTION OF PROCEDURE FOR REVIEW AND APPROVAL. (SHALL BE PERFORMED AFTER TUCKPOINTING IS COMPLETED.)
- XO2 REMOVE EXISTING ABANDONED FASTENERS AND PENETRATIONS, SUCH AS METAL WALL ANCHORS AND SIMILAR FASTENERS, PATCH HOLES WITH TYPE N MORTAR TO MATCH EXISTING.
- XO3 CLEAN, REPAIR/REPLACE DAMAGED MASONRY UNITS, AND RE-POINT EXISTING BRICK AND STONE WORK (ESTIMATED AT 100 BRICK AND MORTAR REPLACEMENTS AND 30 SEPERATE FULL LENGTH HORIZONTAL MORTAR JOINT RE-POINTING AVERAGE PER ELEVATION FOR BASE BID UNLESS NOTED OTHERWISE). RE-POINTING MORTAR SHALL BE TYPE "N" AND MATCH THE COLOR, TEXTURE, JOINT WIDTH, AND JOINT PROFILE OF THE EXISTING HISTORIC MASONRY, WORK SHALL BE PERFORMED IN A MANNER CONSISTENT WITH PRESERVATION BRIEFS (AS PUBLISHED BY THE NATIONAL PARK SERVICE) FOR MASONRY CLEANING, REPAIR/REPLACEMENT AND RE-POINTING, PROVIDE SEPARATE SAMPLE PANELS DEMONSTRATING MASONRY CLEANING, BRICK AND STONE REPAIR/REPLACEMENT, AND RE-POINTING FOR INSPECTION AND APPROVAL BY HISTORIC PRESERVATION CONSULTANT. ADDITIONAL SAMPLE PANELS SHALL BE PREPARED AS NEEDED TO ACHIEVE APPROVAL. MASONRY CONTRACTOR TO VERIFY QUANTITIES PRIOR TO SUBMITTING BID.
- PREPARE ABANDONED WALL PENETRATIONS TO BE FILLED WITH COLOR MATCHING MORTAR AND/OR REPLACE MASONRY UNITS AS REQUIRED FOR A FLUSH AND WEATHER TIGHT BUILDING ENVELOPE. BRICK AND MORTAR MOCK-UPS SHALL BE PROVIDED AND AS APPROVED BY THE ARCHITECT AND HISTORIC PRESERVATION CONSULTANT.
- XO5 EXISTING WALL LOUVERS, FRAMES, AND SILLS ARE TO REMAIN IN PLACE AND TO BE REFINISHED (COLOR AS SELECTED BY ARCHITECT), PREPARE OPENING FROM INTERIOR SIDE TO BE INFILL FRAMED AS FOLLOWS FROM INTERIOR FACE OF WALL TO EXTERIOR SIDE: GYPSUM WALL BOARD, VAPOR BARRIER OVER INSULATED METAL 6" STUDS (R-19 INSULATION), 7/16" EXTERIOR TREATED SHEATHING, AND BUILDING WRAP OVER EXTERIOR FACE OF SHEATHING. SEAL ALL SIDES OF OPENING AND CREATE A WEATHER TIGHT ENCLOSURE.
- REMOVE EXISTING OVERFLOW SCUPPER AND DOWNSPOUT SYSTEM. REPLACE LIKE IN KIND WITH NEW COPPER OVERFLOW SCUPPER AND DOWNSPOUT SYSTEM. COORDINATE SCUPPER/PARAPET DETAILS AND OVERFLOW COLLECTOR HEAD DETAIL WITH ROOFING MANUFACTURER'S INSTALLATION INSTRUCTIONS, COORDINATE WITH ROOFING CONTRACTOR.
- XO7 REMOVE EXISTING CAULK AND PROVIDE AND INSTALL NEW CAULK AROUND NEW AND EXISTING EXTERIOR WALL PENETRATIONS THAT ARE TO REMAIN. INFILL ABANDONED VOIDS W/ MATERIALS THAT MATCH ADJACENT FINISHES AT PENETRATIONS TO BE REMOVED; COORDINATE WITH MEP.
- XOS RESTORE AND MAINTAIN EXISTING BUILDING IDENTIFICATION SIGNAGE ABOVE EACH LOBBY ENTRANCE. (PER NATIONAL PARKS BRIEFS)
- XO9 PROVIDE SEPERATE UNIT COST FOR BRICK REPLACEMENT, TUCK POINTING AND CAST STONE RESTORATION/REPLACEMENT. UNIT COST SHALL INCLUDE NEW MORTAR ON ALL FOUR SIDES OF THE BRICK OR STONE UNIT. UNIT COST WILL BE USED TO ADD AND DEDUCT BRICK AND STONE REPLACEMENT WORK ABOVE OR BELOW THE BASE BID SCOPE OF WORK.
- X10 REMOVE EXISTING ROOFING MEMBRANE AND BALLAST AND PROVIDE AND INSTALL NEW 60MIL TPO ROOFING MEMBRANE SYSTEM. ROOFING CONTRACTOR SHALL COORDINATE WITH MEP CONTRACTORS ON ALL ASSOCIATED TRADE WORK FOR ROOF PENETRATIONS TO PROPERLY PROVIDE AND INSTALL TPO FLASHINGS/ACCESSORIES TO COMPLETE NEW TPO ROOF SYSTEM. ROOFING CONTRACTOR TO COORDINATE WITH TPO ROOFING MANUFACTURE AS NEEDED TO OBTAIN NEW ROOFING WARRANTY
- X11 REPAIR AND RESTORE (3) CANOPIES AND PREPARE FOR NEW FINISH. COLOR AS APPROVED BY HISTORIC PRESERVATION CONSULTANT AND ARCHITECT.
- REMOVE AND REPLACE ENTRY DOORS PER DOOR SCHEDULE (INCLUDE PANIC HARDWARE WHERE INDICATED, CLOSER AND ELECTRONIC ACCESS CONTROL(S). SUBMIT SHOP DRAWINGS TO HISTORIC PRESERVATION CONSULTANT AND ARCHITECT FOR APPROVAL.
- X13 MASONRY RESTORATION CONTRACTOR TO INSPECT, RESTORE AND CLEAN ALL PARAPET WALLS AND ARCHITECTURAL STONE COPINGS.
- X14 PROVIDE NEW WALL MOUNTED EXTERIOR LIGHTING AT ENTRY LOCATIONS. SEE ELECTRICAL PLANS FOR ADDITIONAL X15 REMOVE EXISTING GAS RISERS AND VALVES TO BE ABANDONED AT NORTH ELEVATION. CAP ABANDONED SUPPLY
- LINES BELOW GRADE AND INFILL WALL PENETRATION VOIDS PER NOTE XO4. XIG PROVIDE SAW CUTTING OF EXISTING MASONRY AS REQUIRED TO INSTALL NEW MECHANICAL WALL LOUVER.
- INCLUDE ALL ASSOCIATED FRAMING AND FLASHINGS AS REQUIRED FOR A COMPLETE AND FUNCITONAL LOUVER SYSTEM. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- X17 PROVIDE AND INSTALL NEW PREFINISHED METAL CHIMNEY CAP AND GASKETING TO CREATE WEATHER TIGHT SEAL AT EXISTING BOILER CHIMNEY. CONTRACTOR TO MAKE MODIFICATIONS AND/OR REPAIRS TO TOP OF CHIMNEY AS REQUIRED TO INSTALL AND ANCHOR CHIMNEY CAP. SLOPE CAP FOR POSITIVE DRAINAGE. COLOR TO BE APPROVED BY OWNER AND HISTORIC CONSULTANT.

ACCESSIBILITY KEYNOTES

- ACO1 PROVIDE AND INSTALL NEW WALL CAVITY WOOD BLOCKING WHERE REQUIRED TO FIRMLY SECURE WALL MOUNTED GRAB BARS AT TOILET AND SHOWER.
- ACO2 INSTALL GRAB BARS AT TOILET AND SHOWER.
- ACO3 PROVIDE AND INSTALL TRAP WRAP FOR ALL EXPOSED UNDERCOUNTER WATER AND WASTE LINES ACO4 PROVIDE GENERAL DEMO/CONSTRUCTION FOR REQUIRED ACCESSIBLE CLEARANCES
- ACO5 INSTALL NEW ACCESSIBLE ROLL-IN SHOWER, SHOWER HEAD WITH ON/OFF PUSH BUTTON CONTROL, 60" FLEX HOSE WITH 24" SLIDE BAR. BOTTOM OF SLIDE BAR SHALL BE MOUNTED 48" MAX. A.F.F.
- ACO6 INSTALL INTERCONNECTED HARDWIRED SMOKE/STROBE DETECTORS W/ SEALED BATTERY BACK-UP @ (1) UFAS UNIT & (1) A/V UNIT
- ACO7 INSTALL NEW RANGE HOOD W/ SEPARATE REMOTE SWITCHES FOR HOOD FAN/LIGHT
- ACOS INSTALL SEPARATE SPEED CONTROL SWITCH FOR LIVING ROOM AND BEDROOM CEILING FANS IN (1) UFAS UNIT ACO9 PROVIDE AND INSTALL NEW ELECTRICAL SUB PANEL SO THAT THE TOP SWITCH IS BELOW 48" A.F.F.
- ACIO PROVIDE AND INSTALL KITCHEN CABINETS WITH UFAS COMPLIANT CABINETRY. SEE DETAILS (BASE, WALL,
- GRANITE COUNTER) AC11 PROVIDE AND INSTALL NEW PLASTIC LAMINATE APRON AND ACCESSIBLE SINK W/ PIPE WRAP, SHUT OFFS AND
- LEVER FAUCET. AC12 PROVIDE AND INSTALL UFAS/ADA COMPLIANT THRESHOLDS WITH MAXIMUM 1:2 SLOPE AND MAX HEIGHT OF 1/2"

BATHROOM ACCESSORY KEYNOTES

- BAO1 36" GRAB BAR 6" FROM CORNER ON 2X8 BLOCKING
- BAO2 42" GRAB BAR 12" FROM CORNER ON 2X8 BLOCKING
- BAO3 MIRROR, FULL WIDTH X 36" RESTING ON BACKSPLASH. BAO4 SHOWER CURTAIN ROD. 78" A.F.F.
- BAO5 SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

BUILDING REHABILITATION KEYNOTES BUILDING REHABILITATION KEYNOTES

- SIDE LITE WINDOW FRAMES, AND MILLWORK. REPLICATE EXISTING COMPONENTS AND TRIM TO FILL IN WITH NEW COMPONENTS AND TRIM WHERE THEY ARE MISSING OR DAMAGED BEYOND REPAIR. NEW COMPONENTS OR TRIM SHALL MATCH EXISTING IN MATERIAL, SIZE, DIMENSIONS, SHAPE, DETAIL AND FORM. CLEAN AND SAND OR STRIP FINISHES FROM EXISTING WOOD COMPONENTS AND TRIM. PREPARE WOOD SURFACES FOR NEW FINISH. STAIN NEW AND OLD PARTS TO MATCH HISTORIC, PRIME AND PAINT. (COLOR/FINISHES TO BE APPROVED BY OWNER AND HISTORIC PRESERVATION CONSULTANT.) APPLY PROTECTIVE MATTE POLYURETHANE COATING(S).
- BO2 INSTALL NEW DOORS AND HARDWARE PER DOOR SCHEDULE. & SPECIFICATIONS.
- BO3 PROVIDE AND INSTALL NEW WALL OR BASE DOORSTOPS AT ALL OPERABLE DOORS BO4 INSTALL WOOD BASEBOARD TRIM THROUGHOUT. REUSE SALVAGED WOOD BASEBOARD MATERIAL RECOVERED DURING DEMOLITION. PROVIDE AND INSTALL NEW WOOD BASEBOARD AS NEEDED TO SUPPLEMENT SALVAGED MATERIAL FOR A COMPLETE INSTALLATION. CONCENTRATE BEST SALVAGED MATERIALS IN THE MOST PUBLIC SPACES. USE ONLY ONE KIND OF BASEBOARD IN EACH SPACE, SALVAGED OR NEW, AS MUCH AS POSSIBLE. CLEAN AND SAND OR STRIP FINISHES FROM EXISTING WOOD COMPONENTS AND TRIM. PREPARE WOOD SURFACES FOR NEW FINISH. STAIN NEW AND OLD PARTS TO
- MATCH HISTORIC STAIN COLOR. APPLY PROTECTIVE MATTE POLYURETHANE COATING(S). BO5 APPLY LIGHT TEXTURE FINISH AT ALL NEW WALLS AND GYP. BD. CEILINGS.
- BOG PREPARE INTERIOR SURFACES FOR PAINTED FINISH. PRIME AND PAINT INTERIOR WALLS AND CEILINGS WITH LOW VOC PAINT. COLORS & SHEENS SHALL BE AS SELECTED BY OWNER AND REVIEWED/APPROVED BY HISTORIC PRESERVATION CONSULTANT.
- BO7 PROVIDE AND INSTALL NEW FLOOR FINISHES PER FINISH SCHEDULE. (WOOD GRAIN PATTERNS ARE NOT ACCEPTABLE AT GROUND LEVEL AREAS ONLY, PER HISTORIC BRIEFS)
- BOS PROVIDE AND INSTALL NEW STUD-CAVITY WOOD BLOCKING WHERE REQUIRED TO FIRMLY SECURE WALL MOUNTED ACCESSORIES.
- BO9 PROVIDE AND INSTALL NEW TOILET ACCESSORIES AT ALL BATHROOMS. SEE PLANS AND SPECS. B10 INSTALL NEW BUILDING COMMON AREA AND TENANT SIGNAGE, EMERGENCY EGRESS PATH SIGNAGE AND NEW STORM SHELTER MAXIMUM OCCUPANT LOAD SIGNAGE (MAX OCCUPANCY SIGNAGE PER EACH NEW STORM SHELTER, FIVE TOTAL), STORM SHELTER ENTRANCE AND PATHWAY SIGNAGE (PER 2015 IBC,
- ICC500/NSSA, 2015 FEMA P-361 AND OUBCC STORM SHELTER REQUIREMENTS.) B11 PERMANENATELY FIX NEW DOORS IN PLACE AND REMOVE ALL OPERABLE DOOR HARDWARE WHERE INDICATED. EXISTING DOOR TRIM TO REMAIN AND TO RECEIVE NEW FINISHES AS APPROVED BY HISTORIC PRESERVATION CONSULTANT. SEE DOOR DETAILS FOR ADDITIONAL INFORMAITON.
- B12 SEE MEP DRAWING SET FOR MECHANICAL, ELECTRICAL, AND PLUMBING TRADE REQUIREMENTS.
- B13 COORDINATE FINAL LOCATION OF FITNESS EQUIPMENT WITH OWNER AND ARCHITECT. COORDINATE ELECTRICAL REQUIREMENTS AND INSTALLATION OF FITNESS EQUIPMENT.
- B14 AT AREAS WHERE EXISTING WALLS ARE SHOW TO REMAIN, RETAIN AND PROTECT EXISTING INTERIOR BASE, TRIM, CASING, MILLWORK, ETC.
- B15 INFILL FRAME AT ALL DISPLAY CASES, FEATURES AND RECESSED ELEMENTS AT INTERIOR SIDE OF
- RESIDENTIAL UNITS, INSTALL NEW PARTITION WALLS AND FINISHES AS INDICATED. B16 PATCH AND REPAIR ALL FLOOR/CEILING OPENINGS PER THE BUILDING CONCRETE REPAIR SPECIFICATION. #4 BAR AT 1'-O" O.C. MAX, SHALL BE EPOXIED INTO THE EXISTING CONCRETE AT MID-DEPTH OF SLAB
- THICKNESS WITH 4" HILTI HY 200 EPOXY EMBEDMENT. B17 REPAIR AND MAINTAIN EXISTING HISTORIC WOOD GUARDRAILS/HANDRAILS, PREP AND FINISH (FINISH SHALL BE AS SELECTED BY OWNER AND REVIEWED/APPROVED BY HISTORIC PRESERVATION CONSULTANT). WHERE A HANDRAIL IS EXISTING ON ONLY ONE SIDE OF A STAIRWAY, INSTALL A NEW HANDRAIL ON THE OTHER SIDE; FABRICATED AND FINISHED TO MATCH THE EXISTING HISTORIC HANDRAIL. FINISHES AND PROFILES TO BE APPROVED BY THE OWNER AND HISTORIC PRESERVATION CONSULTANT.
- B18 EXISTING TERRAZZO FLOOR FINISHES SHALL REMAIN, PROTECT TERRAZZO FLOOR FROM DAMAGE DURING CONSTRUCTION OPERATIONS. REPLACE ALL DAMAGED OR MISSING PORTION OF TERRAZZO FLOORING AS NEEDED. REPAIR, CLEAN AND POLISH.
- B19 REPAIR PLASTER CEILINGS IN KIND AS REQUIRED. FINISH TO MATCH ADJACENT CONSTRUCTION.
- B20 PROVIDE EARLY RESPONSE SPRINKLER HEADS AROUND STAIR OPENINGS PER NFPA 13 SECTION 8.4.6. VERIFY LOCATIONS WITH ARCHITECT, GC AND FIRE SUPRESSION CONTRACTOR.
- B21 INSTALL NEW CEILINGS PER FINISH SCHEDULE AND REFLECTED CEILING PLANS.
- B22 COORDINATE WITH MEP DRAWINGS AND ALL TRADES FOR EXISTING MECHANICAL, ELECTRICAL AND
- PLUMBING CHASE LOCATIONS TO BE REUSED FOR NEW CONSTRUCTION. B23 FIX ALL EXISTING CORRIDOR TRANSOM WINDOWS IN PLACE BEFORE NEW CEILING INSTALLATION, INSTALL FRP LAMINATED GYPSUM BOARD PANEL INFILLS TO THE UNIT SIDE GLAZING. SEE THE DOOR AND WINDOW
- DETAILS. B24 PROVIDE NEW HINGED CEILING ACCESS PANELS AT MECHANICAL EQUIPMENT LOCATIONS AS INDICATED AT COMMON AREA CORRIDORS, COORDINATE SIZE AND FINAL LOCATION OF ACCESS PANEL WITH MECHANICAL CONTRACTOR. ACCESS PANEL SHALL BE KEYED WITH MECHANICAL LOCK. ACCESS PANEL ASSEMBLY
- SHALL BE COLOR MATCH TO ADJACENT CEILING FINISH B25 NEW FLOORING FOR THE AUDITORIUM/COMMON AREA, FITNESS CENTER, AND STORAGE AREA TO BE 12"X12"
- VCT AS APPROVED BY THE HISTORIC PRESERVATION CONSULTANT. B26 SEAL ALL EXTERIOR MASONRY WITH A TRANSPARENT SEALER AS APPROVED BY HISTORIC PRESERVATION CONSULATANT AND AS INDICATED BY HISTORIC BRIEFS.
- B27 MECHANICAL LOUVERS AND GRILLES TO BE PAINTED TO MATCH ADJACENT WALL FINISH /MATERIAL
- B28 ALL FIRE SUPRESSION SPRINKLER ESCUTCHENS, COVERPLATES AND HEADS SHALL BE PROVIDED WITH A FINISH/COLOR FOR ALL LOCATIONS. COLOR AS APPROVED BY HISTORIC PRESERVATION CONSULTANT.
- B29 EXISTING CORE WALLS TO REMAIN AS INDICATED, PREPARE AND APPLY NEW FINISH (COLOR AND FINISHES TO BE APPROVED BY OWNER AND HISTORIC PRESERVATION CONSULTANT) B30 DEMO BASEMENT SLAB AS NEEDED TO REPAIR SUMP PIT AND AS REQUIRED FOR INSTALLATION OF NEW
- SUMP PUMP SYSTEM. B31 AT THE EXISTING WINDOWS SILLS AND APRONS, RESTORE TO MATCH ORIGINAL WHERE NEW OR
- REPLACEMENT SILL AND APRONS ARE REQUIRED, TRIM PROFILES SHALL MATCH ORIGINAL PROFILES. (OBTAIN APPROVAL FROM HISTORIC PRESERVATION CONSULTATION ON RESTORED AND NEW TRIM.) B32 AT ALL BUILDING WINDOWS THAT EXCEED 9 SQ. FT. IN AN INDIVIDUAL PANE, AND WHERE THE BOTTOM
- EDGE OF THE GLAZING IS LESS THAN 18" A.F.F. AND THE TOP EDGE OF THE GLAZING IS MORE THAN 36" A.F.F. AND ONE OF MORE WALKING SURFACES ARE WITHIN 36" MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING; INSTALL A HORIZONTAL RAIL 34-38" A.F.F., THE RAIL SHALL BE CAPABLE OF SUPPORTING 50LBS./PER LIN. FT. HORIZONTAL LOAD, WITHOUT CONTACTING THE GLASS AND BE 1" X 1.5" IN CROSS SECTIONAL HEIGHT. SUBMIT MOCK UP OF RAIL AND ATTACHMENT TO ARCHITECT AND HISTORIC PRESERVATION CONSULTANT.
- B33 REPAIR AND/OR REPLACE DAMAGED STONE COPING AND REPLACE THRU WALL FLASHINGS. RAKE AND RESEAL ALL COPING JOINTS.
- B34 PROVIDE NEW SUMP PUMP PIT AND SUMP PUMP SYSTEM FOR A FULLY FUNCTIONAL INSTALLATION. COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- B35 PROVIDE NEW MAIL BOXES RECESS MOUNTED IN NEW FRAMED ENCLOSURE WITH PAINTED GYPSUM AND LIGHT TEXTURE FINISH
- B36 AT EAST BUILDING ENTRANCE FIX PAIR OF FULL GLASS ALUMINUM DOORS IN PLACE, MOUNTED WITHOUT OPERABLE HARDWARE WITH FULL PERIMETER SEALANTS/BACKER RODS FOR A COMPLETE AND WEATHER TIGHT ASSEMBLY. DOORS TO BE ENCLOSED WITH NEW INTEIROR WALL FRAMING AND FINISHES AT INTERIOR SIDE OF RESIDENTIAL UNIT.
- B37 COORDINATE FINAL LOCATIONS FOR SECURITY SYSTEM AND SURVEILLANCE CAMERAS WITH OWNER, ARCHITECT AND HISTORIC CONSULTANT PRIOR TO COMMENCING WORK
- B38 REMOVE EXISTING CHAIN LINK FENCING AND PROVIDE NEW 42" METAL GUARDRAIL AT EXTERIOR STAIR TO BASEMENT MOUNTED TO TOP OF RETAINING WALL WITH EPOXY ANCHORS. PROVIDE NEW WALL MOUNTED HANDRAILS AT EXTERIOR STAIR INSTALLED AT 34"-36"AFF WITH 12" EXTENSIONS AT EACH END.

- B39 REPAIR WATER DAMAGE AT AUDITORIUM WALL TILE WAINSCOT AND AT CORRIDOR WALL TILE LOCAITONS WHERE INDICATED. REMOVE/RAKE DAMAGED MORTAR/GROUT/TILE AND REPLACE WITH NEW COLOR MATCHED TILE AND GROUT (PROVIDE 5SF AREA MOCKUP OF REPAIRS FOR APPROVAL BY ARCHITECT AND
- B40 PROVIDE CRACK REPAIR, CLEAN AND SEAL ALL EXPOSED CONCRETE AND TERRAZZO FLOORS AT CORRIDORS, STAIRS AND BASEMENT.
- B41 PRESERVE AND REPAIR EXISTING POURED IN PLACE WALL BASE COVES AT EXTERIOR WALLS AND CORRIDOR WALL LOCATIONS. COORDINATE NEW FLOORING TRANSISTIONS AND TERMINATIONS WITH FLOORING CONTRACTOR.
- B42 PROVIDE KEY CARD/KEY FOB ACTIVATED SECURITY ACCESS AT EXTERIOR ENTRANCES WHERE INDICATED. COORDINATE WITH ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE ELECTRONIC ACCESS SYSTEM SELECTION WITH OWNER.
- B43 INSTALL NEW INSULATED ROOF ACCESS HATCH WITH SAFETY RAILING AND POST SYSTEM. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- B44 REMOVE EXISTING CEILING ACCESS PANEL TO ROOF HATCH AND MODIFY ACCESS PANEL OPENING SIZE AND ASSOCIATED FRAMING TO BE ENLARGED TO MATCH NEW ROOF ACCESS HATCH SIZE. COORDINATE WITH ACCESS HATCH MANUFACTURER. PROVIDE & INSTALL NEW LOCKABLE ACCESS PANEL ASSEMBLY AT NEW GYPSUM CEILING. NEW FRAME/ TRIM TO BE PREFINISHED OR PAINT TO MATCH ADJACENT CEILING

UNIT REHABILITATION KEYNOTES

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- UO6 PROVIDE AND INSTALL LIGHT TEXTURE AT ALL NEW WALLS AND CEILINGS. UO7 PROVIDE PAINTING AT ALL INTERIOR WALLS, CEILINGS, DOORS (ALL 6 SIDES) & TRIM (LOW VOC.) PAINT COLOR/SHEEN AS SELECTED BY OWNER AND HISTORIC PRESERVATION CONSULTANT.
- UOS PROVIDE AND INSTALL NEW FLOOR FINISHES PER FINISH SCHEDULE
- UO9 PROVIDE AND INSTALL NEW STUD-CAVITY WOOD BLOCKING WHERE REQUIRED TO FIRMLY SECURE WALL MOUNTED
- ACCESSORIES WITH A STANDING 200# OF APPLIED FORCE. U10 PROVIDE & INSTALL NEW MIRRORS, TOWEL BARS, SHOWER BARS, AND TOILET PAPER HOLDERS
- U11 INSTALL NEW SLAB INFILL AT ABANDONED THROUGH FLOOR PENETRATIONS.
- U12 AT THE LOCATIONS IDENTIFIED FOR EXISTING INTERIOR CORRIDOR WINDOWS AND TRANSOMS TO REMAIN AND BE FIXED IN PLACE, PROVIDE AND INSTALL FRP LAMINATED GYPSUM BOARD PANEL INFILLS TO THE UNIT SIDE GLAZING. SEE DOOR AND WINDOW DETAILS.
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- U15 PROVIDE AND INSTALL METAL FRAMED CEILING WITH A LIGHT TEXTURED DRYWALL FINISH (SEE REFLECTED CEILING PLANS FOR LOCATIONS). SPACE ABOVE NEW CEILING SHALL CONCEAL AND ACCOMMODATE ALL PLUMBING TRAPS
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- U17 PROVIDE 2" FAUX WOOD CORDLESS MINI BLINDS. U18 COORDINATE WITH MEP DRAWINGS AND ALL ASSOCIATED TRADES FOR EXISTING MECHANICAL/PLUMBING CHASE
- LOCATIONS TO BE REUSED AND FOR NEW CONSTRUCTION. U19 PROVIDE & INSTALL NEW 2-PANEL MASONITE INTERIOR DOORS, SEE DOOR SCHEDULE (INCLUDE FRAME, HARDWARE
- AND STOP). DOORS AS APPROVED BY HISTORIC PRESERVATION CONSULTANT.

CONSULTANT PRIOR TO PRECUREMENT.

- U20 PROVIDE AND INSTALL NEW WIRE SHELVING THROUGHOUT. U21 PROVIDE DRYWALL INSTALLATION PER PLANS AND REPAIRS AS NEEDED, MATCH ADJACENT TEXTURE. INSTALL MOLD
- GUARD DRYWALL IN BATHROOMS, KITCHEN, & LAUNDRY ROOMS U22 REMOVE EXISTING FLOORING AND INSTALL NEW (WATERPROOF) VINYL PLANK FLOORING THROUGHOUT UNIT. WOOD GRAIN PATTERNS ARE NOT ACCEPTABLE AT GROUND FLOOR UNITS ONLY. SUBMIT SHOP DRAWINGS TO ARCHITECT
- U23 PROVIDE AND INSTALL KITCHEN CABINETS (BASE, WALL, GRANITE COUNTERTOPS OR EQUAL WITH UNDERMOUNT SINK) BOX AROUND RANGE HOOD EXHAUST DUCT, FINISH TO MATCH CABINETS
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- U25 PROVIDE REFRIGERATOR (ENERGY STAR) (FROST-FREE) (ICE MAKER) U26 PROVIDE ALL ASSOCIATED TRADE WORK AS REQUIRED FOR A COMPLETE NEW DISHWASHER INSTALLATION
- U27 PROVIDE NEW FREESTANDING REAR CONTROL ELECTRIC RANGE @ TYPICAL UNITS, PROVIDE NEW RANGE WITH FRONT CONTROLS @ THE (1) UFAS UNIT (ALL RANGES TO BE SELF CLEANING AND INSTALLED WITH ANTI-TIP BRACKETS). INSTALL WALL SPLASH PROTECTORS AT RANGES (REAR WALL).
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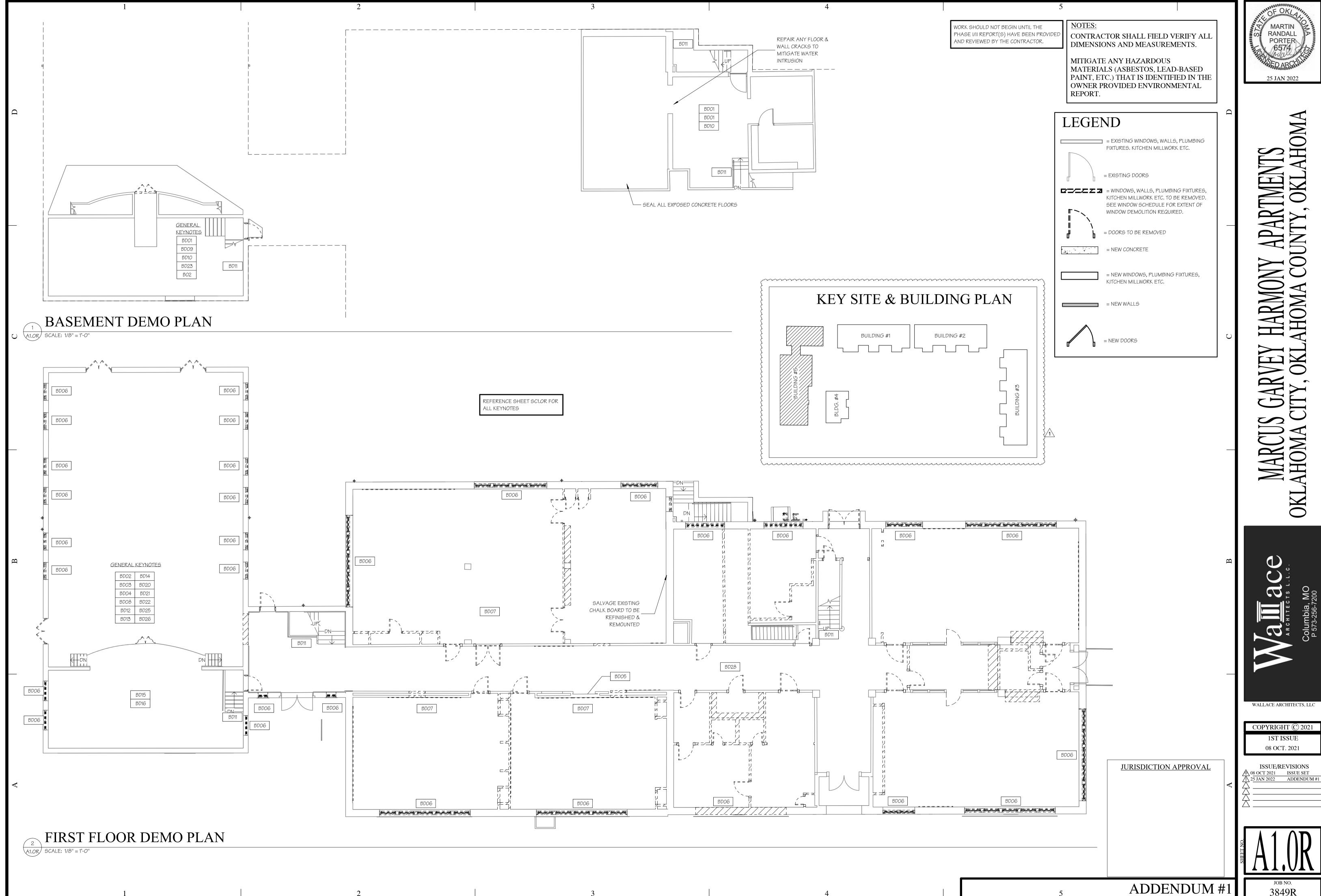
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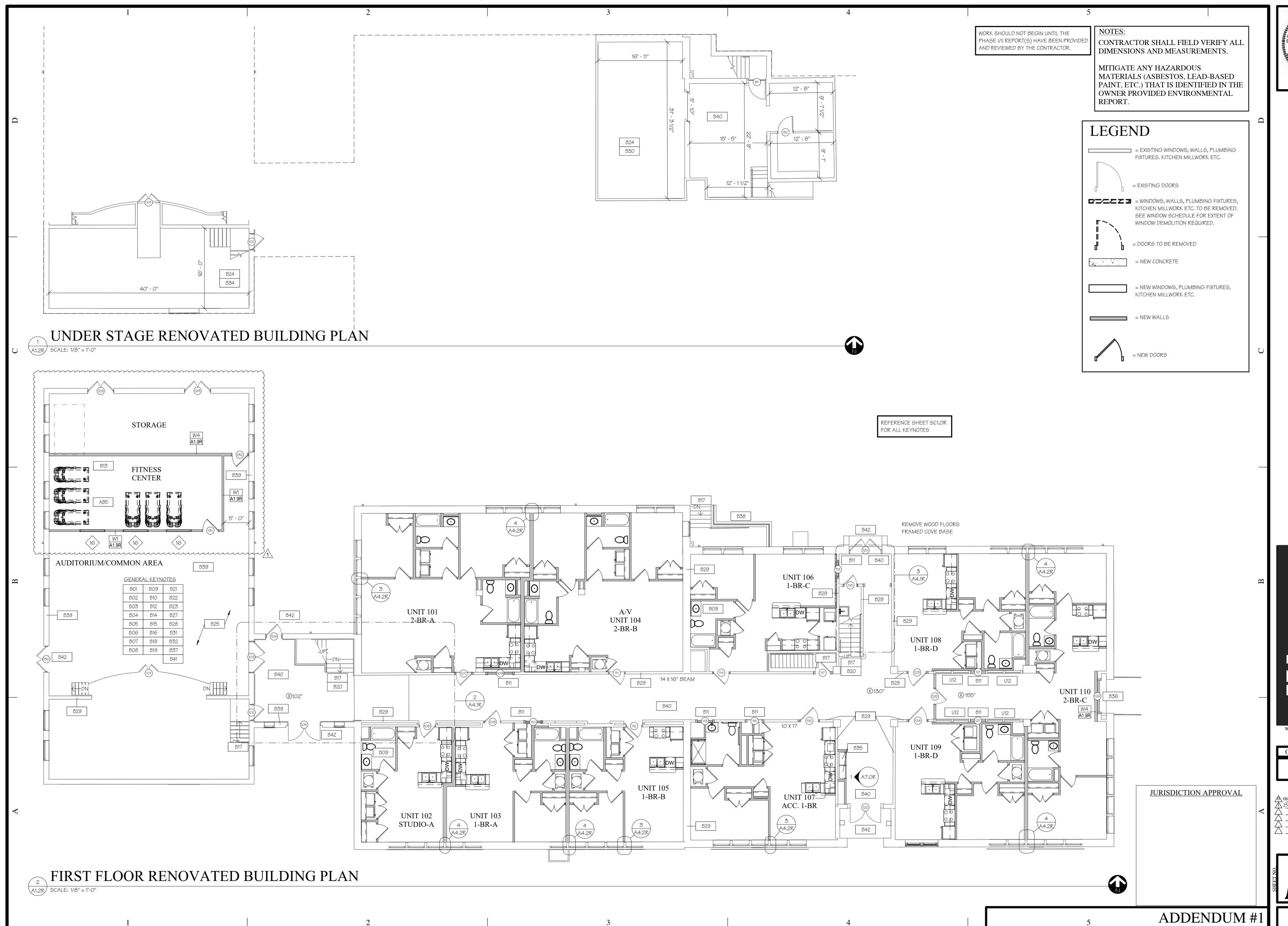
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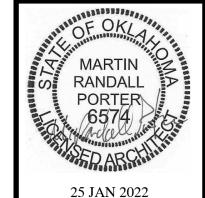
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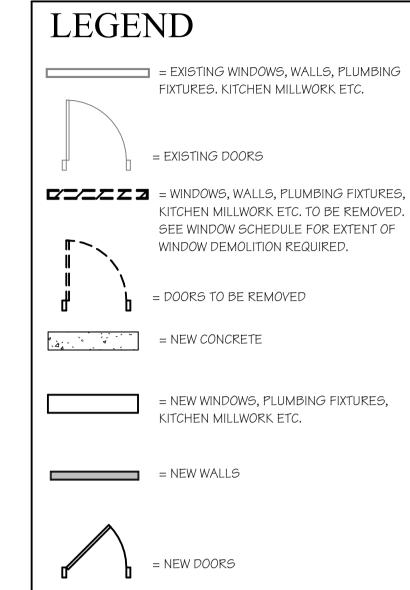
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WORK SHOULD NOT BEGIN UNTIL THE

NOTES:

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS.

MITIGATE ANY HAZARDOUS MATERIALS (ASBESTOS, LEAD-BASED PAINT, ETC.) THAT IS IDENTIFIED IN THE OWNER PROVIDED ENVIRONMENTAL REPORT.



FOR ALL KEYNOTES

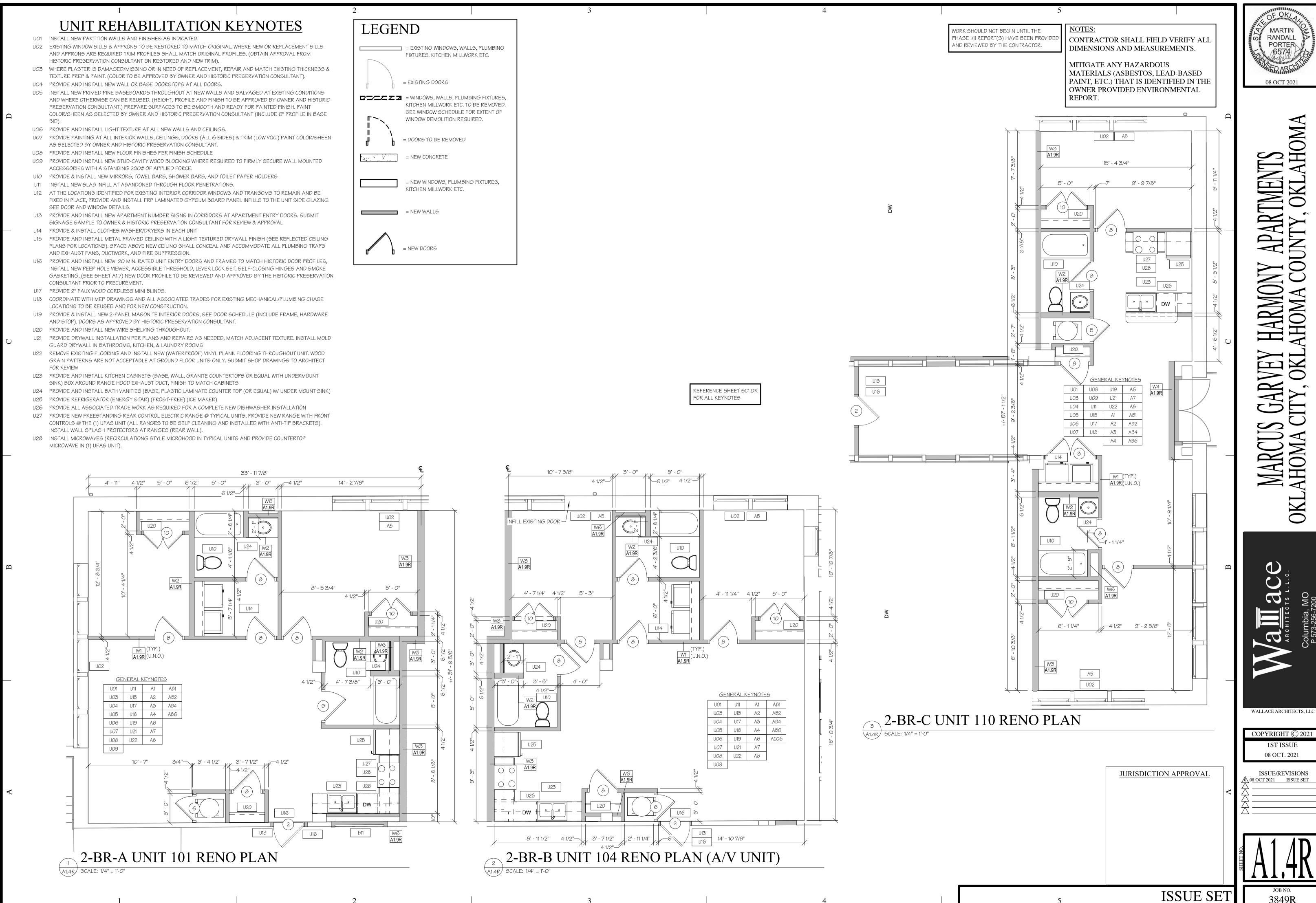
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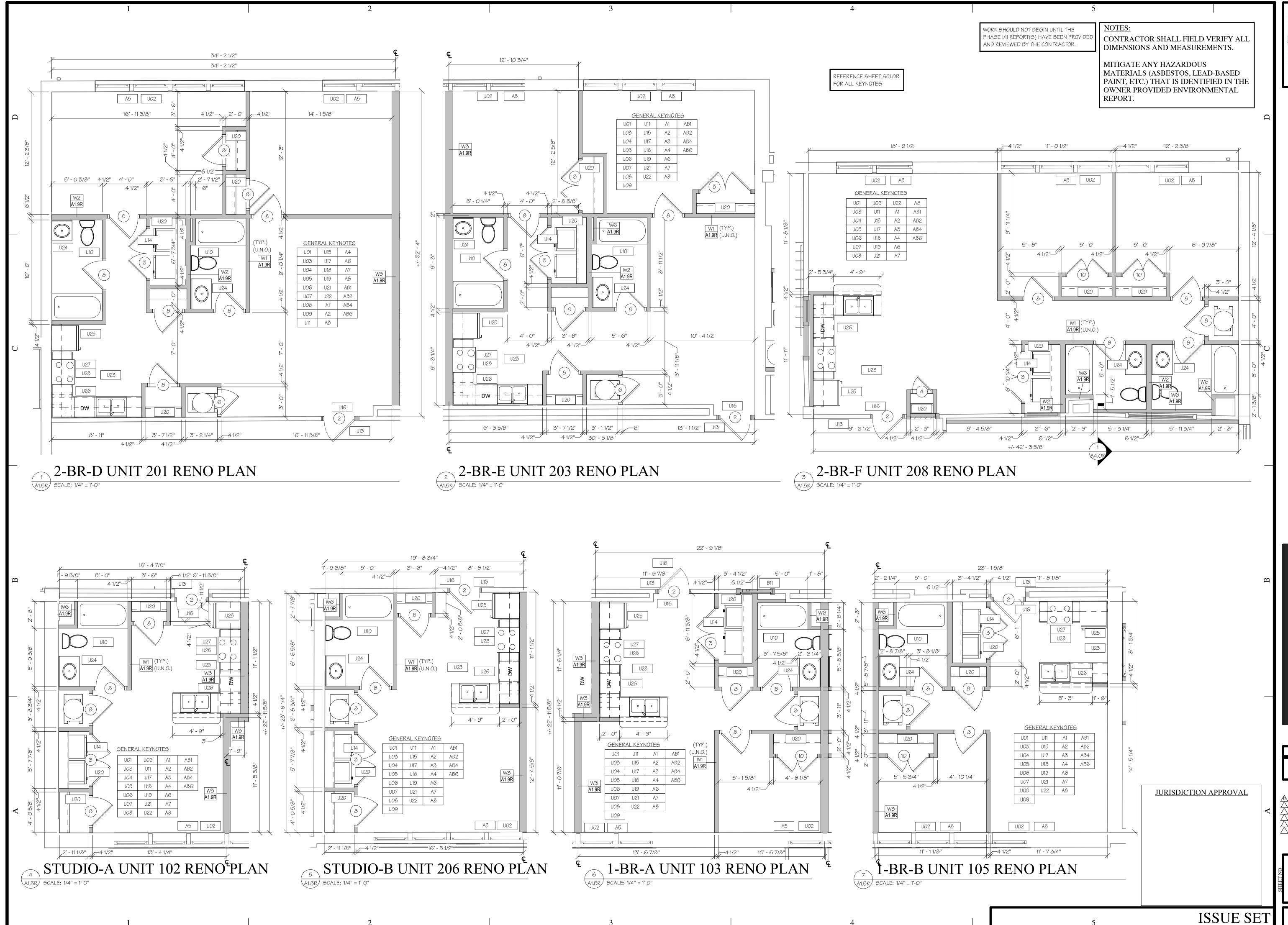
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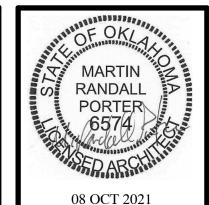


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- U27 PROVIDE NEW FREESTANDING REAR CONTROL ELECTRIC RANGE @ TYPICAL UNITS, PROVIDE NEW RANGE WITH FRONT CONTROLS @ THE (1) UFAS UNIT (ALL RANGES TO BE SELF CLEANING AND INSTALLED WITH ANTI-TIP BRACKETS). INSTALL WALL SPLASH PROTECTORS AT RANGES (REAR WALL).
- U28 INSTALL MICROWAVES (RECIRCULATIONG STYLE MICROHOOD IN TYPICAL UNITS AND PROVIDE COUNTERTOP MICROWAVE IN (1) UFAS UNIT).

3' - 6" 5' - 10 3/8" 11' - 1 1/8'' B11 3' - 11 1/2" GENERAL KEYNOTES U03 U15 A2 UO4 U17 A3 AB4 U05 U18 A4 AB6 3' - 0" 3' - 5 7/8" U06 U19 A6 4 1/2"— 2' - 0 3/4"— U07 U21 A7 U08 U22 A8 W1 (TYP.) A1.9R (U.N.O.) U09 W3 A1.9R A5 U02 A5 U02 11' - 4 7/8''

1-BR-I UNIT 209 RENO PLAN \A1.7R \ SCALE: 1/4" = 1'-0"

ATTACHMENT NO.14 GENERAL NOTES

- A1 PROVIDE SHOWER HEADS WITH A MAXIMUM OF 2.5 GALLONS PER MINUTE FLOW RATE
- A2 PROVIDE AND INSTALL ENERGY STAR QUALIFIED APPLIANCES
- A3 PROVIDE AND INSTALL ENERGY STAR QUALIFIED HVAC EQUIPMENT
- A4 PROVIDE AND INSTALL LED LIGHTING THROUGHOUT THE ENTIRE DEVELOPMENT (UNITS, COMMON AREAS, PARKING LOTS, ETC.)
- A5 PROVIDE AND INSTALL ENERGY STAR QUALIFIED WINDOWS WITH LOW E GLASS.
- A6 USE ONLY LOW VOC PAINT THROUGHOUT THE DEVELOPMENT (COLORS BY OWNER AND HISTORIC PRESERVATION CONSULTANT)
- A7 PROVIDE AND INSTALL PROGRAMMABLE THERMOSTATS THROUGHOUT DEVELOPMENT
- A8 PROVIDE AND INSTALL MOLD GUARD DRYWALL IN THE BATHROOMS, KITCHEN, AND LAUNDRY ROOMS

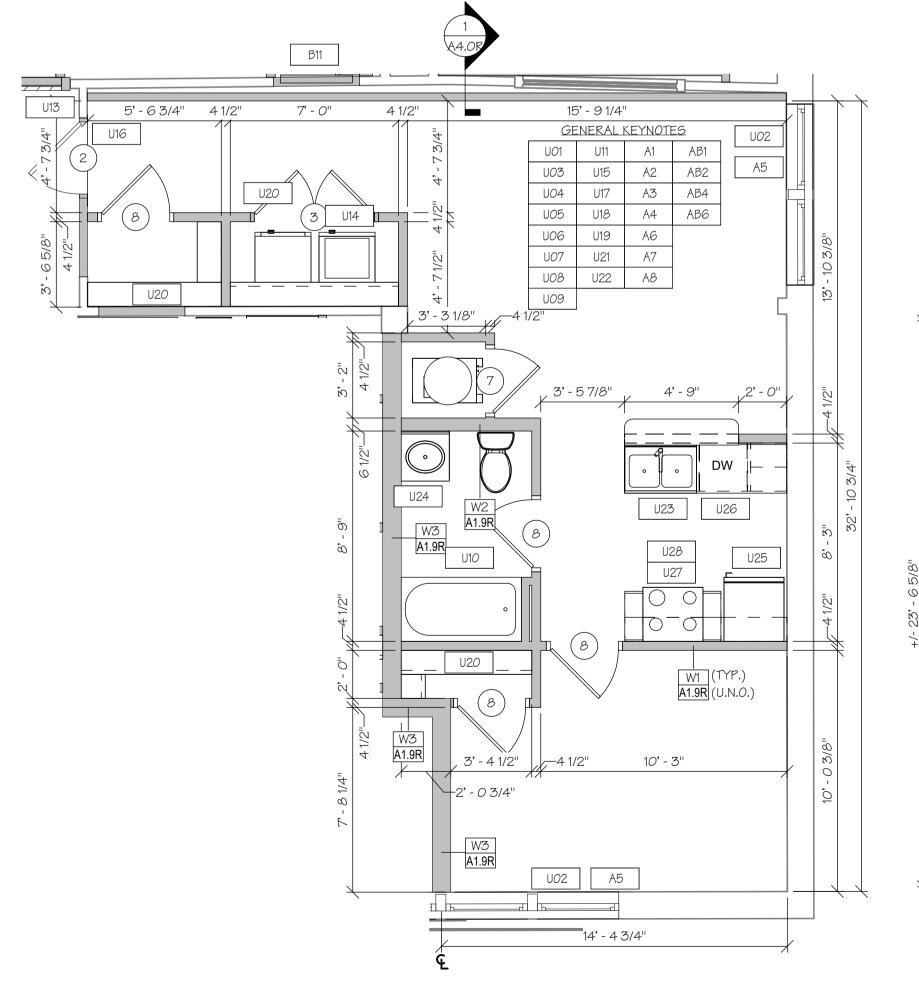
ATTACHMENT NO.12 GENERAL NOTES

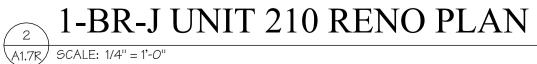
- AB1 PROVIDE AND INSTALL CEILING FAN/LIGHT KITS IN EACH BEDROOM AND EACH LIVING ROOM
- AB2 INSTALL A SMOKE DETECTOR IN EACH BEDROOM AND EACH LIVING ROOM
- AB3 PROVIDE (5) 10'X10' PREMANUFACTURED ICC/NSSA 500 OR FEMA STORM SHELTERS EQUIPPED WITH SELF CONTAINTED PORTABLE CHEMICAL TOILETS AND SANITATION STATIONS, WITH BATTERY POWERED LIGHTING.
- AB4 PROVIDE AND INSTALL A NEW DISHWASHER IN EACH UNIT (MANUFACTURE AND COLOR PER OWNER)
- AB5 PROVIDE AND INSTALL NEW FITNESS CENTER (OWNER TO PROVIDE A MINIMUM OF TWO PIECES OF EQUIPMENT)
- ABG PROVIDE WASHER AND DRYER HOOKUPS AND NEW WASHERS & DRYERS AS INDICATED.

ACCESSIBILITY KEYNOTES

- ACO1 PROVIDE AND INSTALL NEW WALL CAVITY WOOD BLOCKING WHERE REQUIRED TO FIRMLY SECURE WALL MOUNTED GRAB BARS AT TOILET AND SHOWER.
- ACO2 INSTALL GRAB BARS AT TOILET AND SHOWER.
- ACO3 PROVIDE AND INSTALL TRAP WRAP FOR ALL EXPOSED UNDERCOUNTER WATER AND WASTE LINES
- ACO4 PROVIDE GENERAL DEMO/CONSTRUCTION FOR REQUIRED ACCESSIBLE CLEARANCES
- ACO5 INSTALL NEW ACCESSIBLE ROLL-IN SHOWER, SHOWER HEAD WITH ON/OFF PUSH BUTTON CONTROL, 60" FLEX HOSE WITH 24" SLIDE BAR. BOTTOM OF SLIDE BAR SHALL BE MOUNTED 48" MAX. A.F.F.
- ACOO INSTALL INTERCONNECTED HARDWIRED SMOKE/STROBE DETECTORS W/ SEALED BATTERY BACK-UP @ (1) UFAS
- ACO7 INSTALL NEW RANGE HOOD W/ SEPARATE REMOTE SWITCHES FOR HOOD FAN/LIGHT
- ACO8 INSTALL SEPARATE SPEED CONTROL SWITCH FOR LIVING ROOM AND BEDROOM CEILING FANS IN (1) UFAS UNIT
- ACO9 PROVIDE AND INSTALL NEW ELECTRICAL SUB PANEL SO THAT THE TOP SWITCH IS BELOW 48" A.F.F.
- AC10 PROVIDE AND INSTALL KITCHEN CABINETS WITH UFAS COMPLIANT CABINETRY. SEE DETAILS (BASE, WALL, GRANITE COUNTER)
- AC11 PROVIDE AND INSTALL NEW PLASTIC LAMINATE APRON AND ACCESSIBLE SINK W/ PIPE WRAP, SHUT OFFS AND







ACC. 1-BR UNIT 107 RENO PLAN A1.7R | SCALE: 1/4" = 1'-0"

WORK SHOULD NOT BEGIN UNTIL THE PHASE I/II REPORT(S) HAVE BEEN PROVIDE AND REVIEWED BY THE CONTRACTOR.

+/- 28' - 10 1/8"

2' - 10 5/8"

6' - 9 1/8''

ACO2

1' - 9 1/8''—

4' - 11 7/8"

(TYP.) W1 (U.N.O.) A1.9R

A5 U02

U10

U24

AC03 AC11

6' - 9 1/4''

3' - 0''

_1' - 7 1/2"

14' - 2 1/2"

U16

U26

A3 AB4 ACO8

AC12

UO1 U11 A1 AB1 ACO4

U05 U18 A4 AB6 AC09

U06 U19 A6

U07 U21 A7

U08 U22 A8

U02

U09

U13

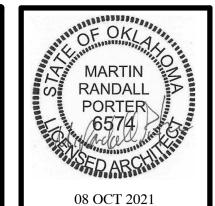
NOTES:

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS.

REFERENCE SHEET SC1.OR

FOR ALL KEYNOTES

MITIGATE ANY HAZARDOUS MATERIALS (ASBESTOS, LEAD-BASED PAINT, ETC.) THAT IS IDENTIFIED IN THE OWNER PROVIDED ENVIRONMENTAL REPORT.



WALLACE ARCHITECTS, LLC

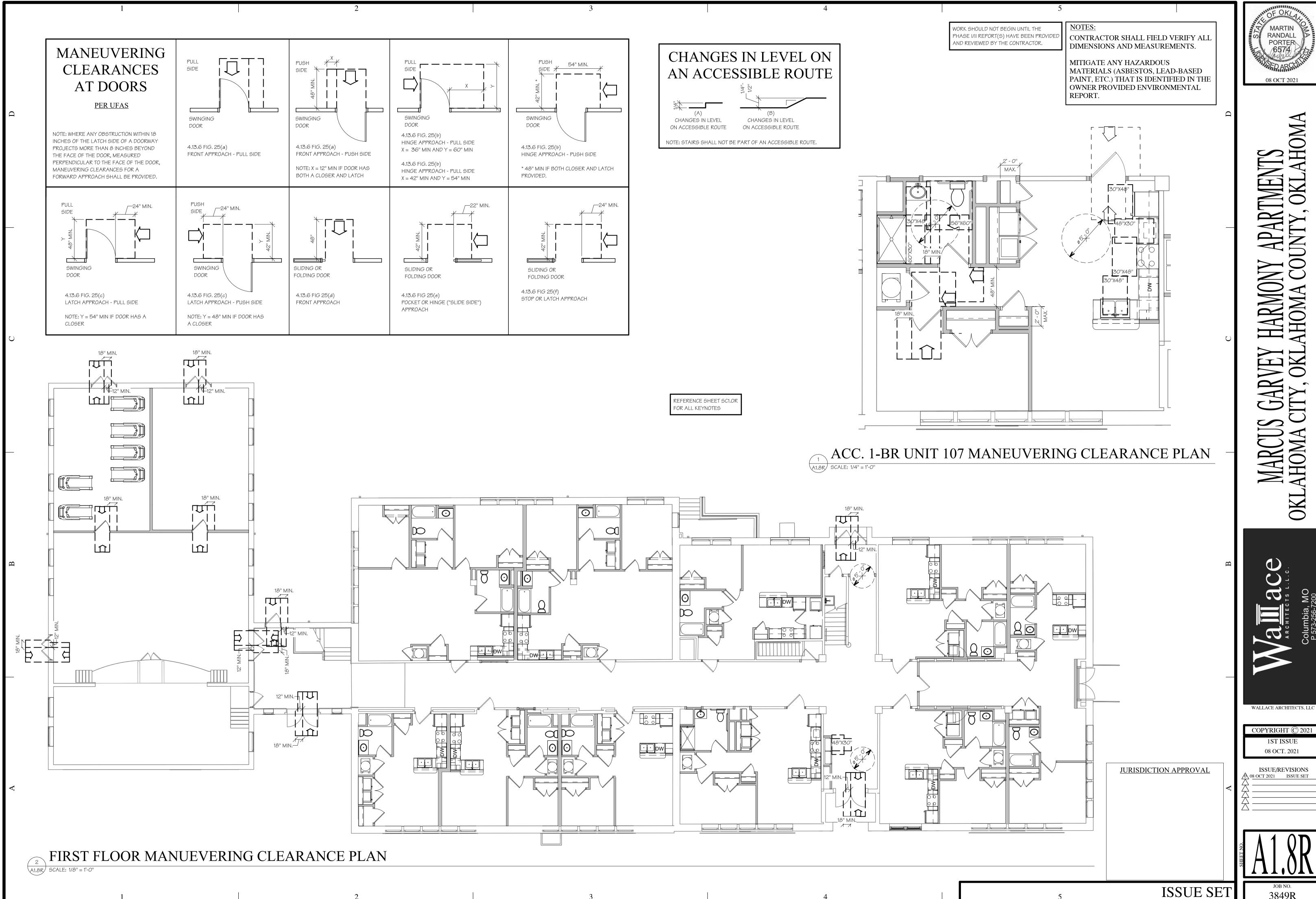
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MITIGATE ANY HAZARDOUS MATERIALS (ASBESTOS, LEAD-BASED PAINT, ETC.) THAT IS IDENTIFIED IN THE OWNER PROVIDED ENVIRONMENTAL REPORT.

PROVIDE PEEPHOLE VIEWERS

AT UNIT ENTRY DOOR ONLY.

TOP AT TYP. UNITS & BOTH AT

THE UFAS UNIT.

PROVIDE 20-MIN.

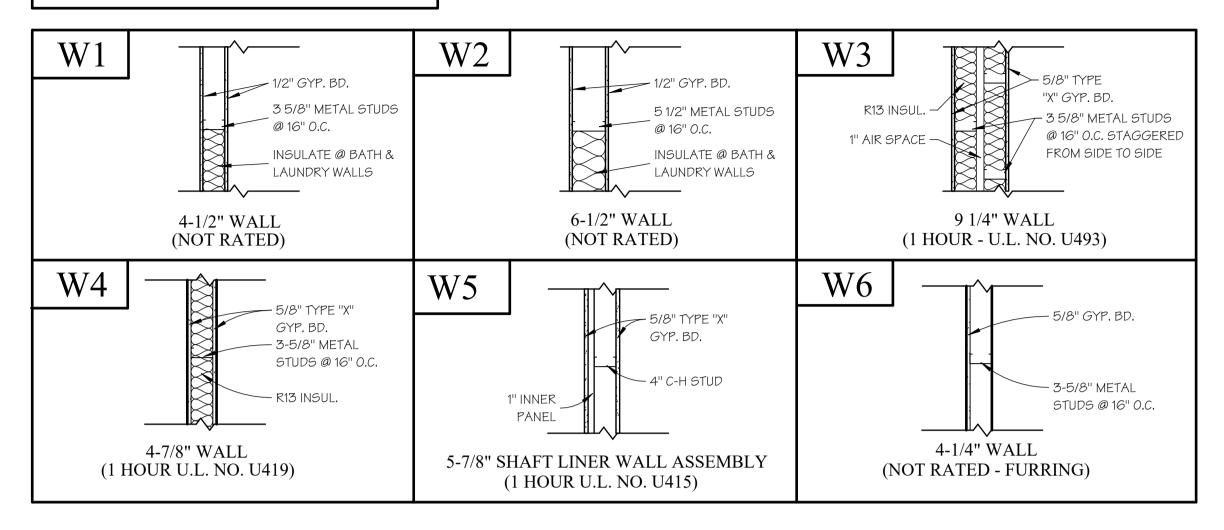
- RATED ENTRY DOOR PER SCHEDULE

NEW DOOR SHALL

REPLICATE EXISTING DOORS FOR PANEL, RAIL & STILE

WALL TYPES

3'-0" x 6'-8" x 1 3/4"



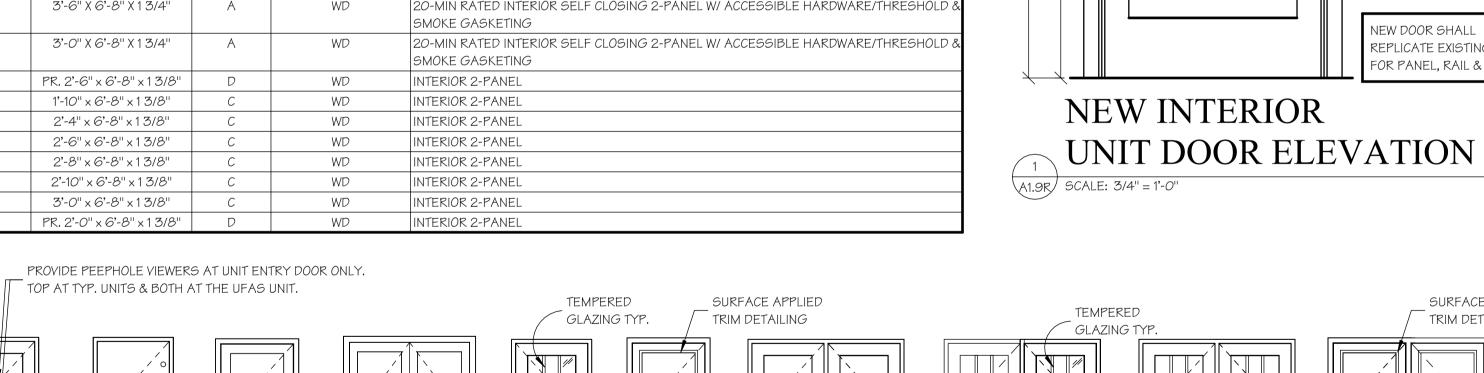
			COMN	MON AREA DOOR SCHEDULE
ALL DOOR	PC/FRAMEC/HARDWARE CHA	III BE PE		VNER/HISTORIC PRESERVATION CONSULTANT.
	J/CONTRACTOR TO VERIFY AL			
MARK	SIZE	ELEV.	PANEL MATL.	DESCRIPTION
B1	3'-0" × 6'-8" × 1 3/4"	F EEE v.	INSULATED STEEL	EXTERIOR, (2) PANEL W/ CLOSER & WEATHER STRIPPING
В2	3'-0" x 6'-8" x 1 3/8"	В	HOLLOW STEEL	INTERIOR, FLUSH PANEL
101	P.R. 2'-2" x 2'-8" X13/8"	1	WD	INTERIOR, 2-PANEL STAGE STORAGE
102	3'-0" × 6'-8" × 1 3/8"	C	WD	INTERIOR, , 2-PANEL. W/ CLOSER
103	PR. 3'-0" x 6'-8" x 1 3/8"	D	WD	INTERIOR, , 2-PANEL. W/ CLOSER
104	3'-0" x 6'-8" x 1 3/4"	F	INSULATED STEEL	EXTERIOR, 9 LITE W/ ACCESSIBLE THRESHOLD, PANIC HARDWARE, CLOSER & WEATHERSTRIPPING
105	P.R. 3'-2" × 6'-8" X 1 3/4"	Н	INSULATED ALUMINUM	EXTERIOR, 9 LITE W/ ACCESSIBLE THRESHOLD, PANIC HARDWARE, CLOSER, WEATHERSTRIPPING
106	3'-0" × 6'-8" × 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
107	3'-0" × 6'-8" × 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
108	3'-0" × 6'-8" × 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-FANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING 20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
	P.R. 2'-6" × 6'-8" × 13/4"	D	WD	FIXED IN PLACE NO OPERATING HARDWARE
109	3'-0" × 6'-8" × 1 3/4"	C	WD	FIXED IN PLACE NO OPERATING HARDWARE
111	3'-0" × 6'-8" × 13/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
112	3'-0" x 6'-8" x 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
113	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
114	3'-0" × 6'-8" × 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
115	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
116	3'-0" x 6'-8" x 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
117	3'-0" x 6'-8" x 1 3/4"	С	INSULATED STEEL	INTERIOR 2-PANEL, ACCESSIBLE HARDWARE/THRESHOLD, SELF-CLOSING, WEATHERSTRIPPING, SELF-LOCKING
118	2'-6" x 6'-8" x 1 3/4"	С	WD	INTERIOR 2-PANEL
119	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
120	P.R. 3'-0" x 6'-8" x 1 3/4"	Н	INSULATED STEEL	EXTERIOR 2-PANEL, 9-LITE, ACCESSIBLE HARDWARE/THRESHOLD, PANIC HARDWARE, CLOSERS, WEATHERSTRIPPING
121	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
122	P.R. 3'-0" x 6'-8" x 1 3/4"	Н	INSULATED STEEL	EXTERIOR 2-PANEL, 9-LITE, ACCESSIBLE HARDWARE/THRESHOLD, PANIC HARDWARE, CLOSERS, WEATHERSTRIPPING
123	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
124	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
125	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
126	P.R. 3'-0" x 6'-8" x 1 3/4"	J		FIXED IN PLACE NO OPERATING HARDWARE, 12 LITE
127	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
128	P.R. 1'-6" x 6'-8" x 1 3/4"	K	INSULATED STEEL	ALARMED EXTERIOR 2-PANEL, SELF-CLOSING, SELF-LOCKING, WEATHERSTRIPPING
129	P.R. 1'-6" x 6'-8" x 1 3/4"	K	INSULATED STEEL	ALARMED EXTERIOR 2-PANEL, SELF-CLOSING, SELF-LOCKING, WEATHERSTRIPPING
130	P.R. 1'-6" x 6'-8" x 1 3/4"	G		ALARMED EXTERIOR SINGLE PANEL, ACCESSIBLE HARDWARE/THRESHOLD, PANIC HARDWARE, CLOSER, SELF-LOCKING, WEATHERSTRIPPING
131	3'-0" x 6'-8" x 1 3/8"	E	WD	INTERIOR 9-LITE, ACCESSIBLE HARDWARE, CLOSER
132	3'-0" x 6'-8" x 1 3/8"	С	WD	20-MIN. RATED INTERIOR 2-PANEL, ACCESSIBLE HARDWARE/THRESHOLD, SELF-LOCKING, CLOSER, SMOKE GASKETING
201	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
202	3'-0" x 6'-8" x 1 3/4"	A	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
203	3'-0" x 6'-8" x 1 3/4"	А	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
204	3'-0" x 6'-8" x 1 3/4"	А	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
205	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
206	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
207	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
208	P.R. 2'-6" x 6'-8" x 13/4"	D	WD	FIXED IN PLACE NO OPERATING HARDWARE
209	3'-0" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE
210	3'-0" x 6'-8" x 1 3/4"	А	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
211	3'-0" x 6'-8" x 1 3/4"	Α	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
212	3'-0" x 6'-8" x 1 3/4"	А	WD	20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING
213	2'-6" x 6'-8" x 1 3/4"	С	WD	FIXED IN PLACE NO OPERATING HARDWARE

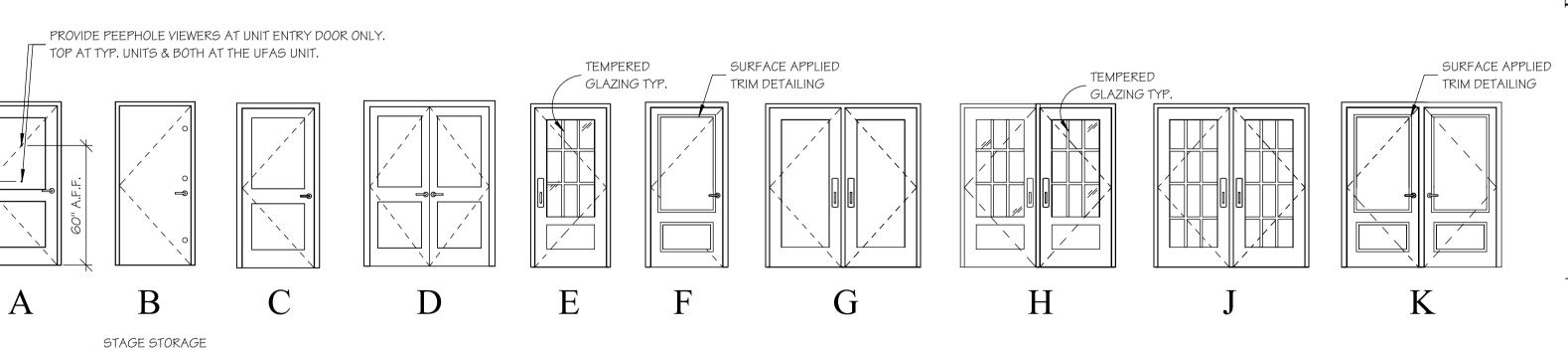
20-MIN. RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/ THRESHOLD & SMOKE GASKETING

DOOR NOTES ALL DOORS TO HAVE LEVER HANDLES. 2) ENTRY DOORS SHALL COMPLY WITH ANSI A117.1 ACCESSIBILITY REQUIREMENTS.

۵)	ZINNI DOORO OI MEZ GOIM ZI MITTIMOTAMIA NOCEGODETTI REGGINETITO
3)	PROVIDE THRESHOLD AT ALL ENTRY DOORS WICH ARE 1/2" HIGH MAX., 1:2 SLOPE.

	UNIT DOOR SCHEDULE								
ALL DOORS/F	LL DOORS/FRAMES/HARDWARE SHALL BE REVIEWED & APPROVED BY OWNER/HISTORIC PRESERVATION CONSULTANT.								
SUPPLIER/CO	SUPPLIER/CONTRACTOR TO VERIFY ALL DOOR SIZES PRIOR TO PROCUREMENT.								
AT ALL UNIT E	ENTRY DOORS COORDINATE	INSTALLATIO	N OF RING VIDEO DOOR	BELL SYSTEM.					
TYPE MARK									
1	3'-6" X 6'-8" X 1 3/4"	Α	WD	20-MIN RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/THRESHOLD & SMOKE GASKETING					
2	3'-0" X 6'-8" X 1 3/4"	Α	WD	20-MIN RATED INTERIOR SELF CLOSING 2-PANEL W/ ACCESSIBLE HARDWARE/THRESHOLD & SMOKE GASKETING					
3	PR. 2'-6" × 6'-8" × 1 3/8"	D	WD	INTERIOR 2-PANEL					
4	1'-10" x 6'-8" x 1 3/8"	С	WD	INTERIOR 2-PANEL					
5	2'-4" × 6'-8" × 1 3/8"	С	WD	INTERIOR 2-PANEL					
6	2'-6" x 6'-8" x 1 3/8"	С	WD	INTERIOR 2-PANEL					
7	2'-8" x 6'-8" x 1 3/8"	С	WD	INTERIOR 2-PANEL					
8	2'-10" x 6'-8" x 1 3/8"	С	WD	INTERIOR 2-PANEL					
9	3'-0" x 6'-8" x 1 3/8"	С	WD	INTERIOR 2-PANEL					
10	PR. 2'-0" x 6'-8" x 1 3/8"	D	WD	INTERIOR 2-PANEL					





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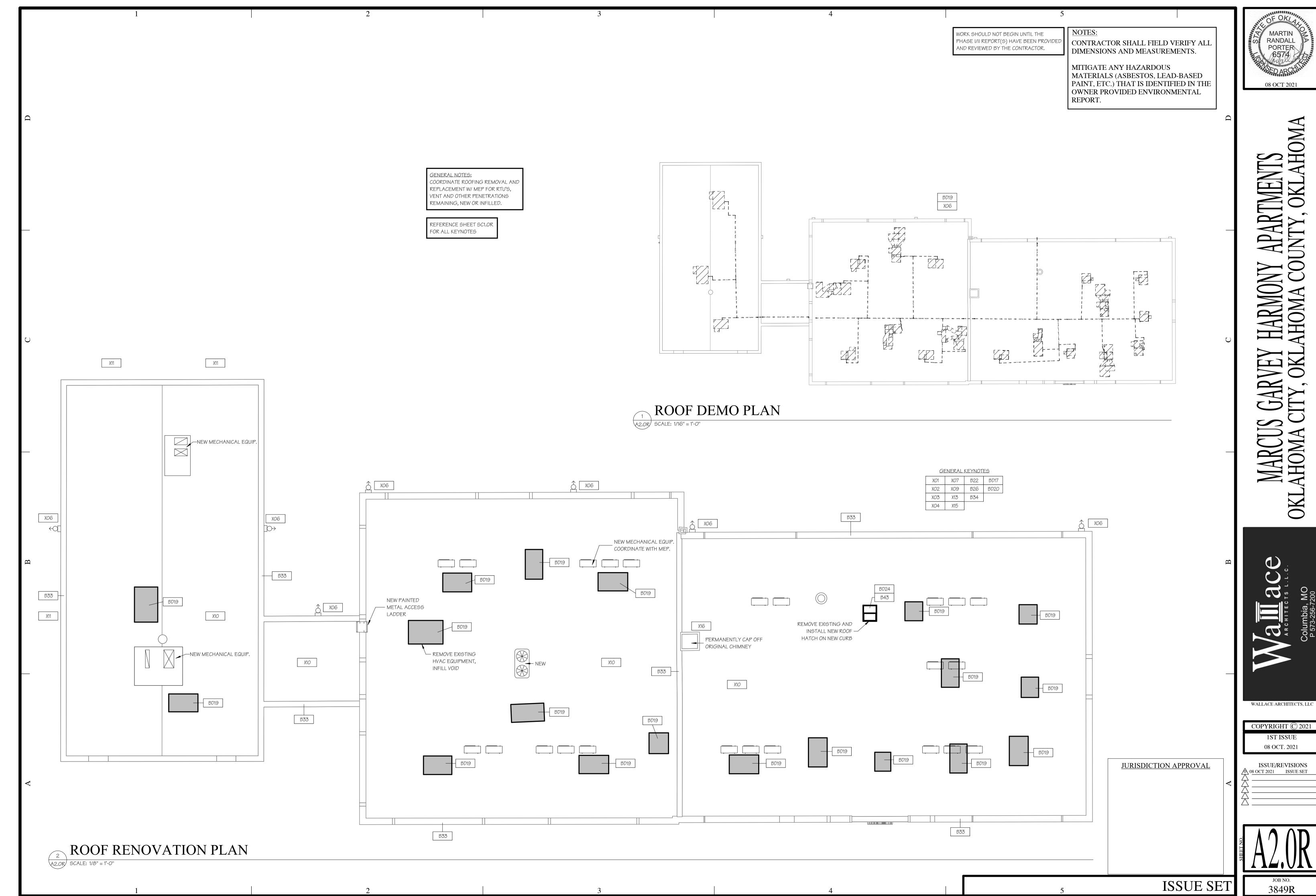
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EXTERIOR BUILDING REHABILITATION KEYNOTES

- XO1 CLEAN EXISTING EXTERIOR MASONRY AT ALL ELEVATIONS, INCLUDING BUT NOT LIMITED TO VISIBLE EXTERIOR BRICKWORK AND STONEWORK, IN A MANNER CONSISTENT WITH NATIONAL PARK SERVICE PUBLISHED PRESERVATION BRIEFS. DO NOT DAMAGE OR ALTER THE PHYSICAL CHARACTERISTICS OF THE MASONRY SURFACES. WATER PRESSURE SHALL BE AS LOW AS POSSIBLE AND SHALL NOT EXCEED 350 PSI. PROVIDE MINIMUM 9 SF MOCK-UP PANEL OF CLEANED AREA FOR INSPECTION AND APPROVAL BY HISTORIC PRESERVATION SPECIALIST. PROVIDE AS MANY MOCK-UP PANELS AS NEEDED TO DEMONSTRATE VARIOUS CLEANING MATERIALS AND PRESSURES CONSIDERED AND TO GAIN APPROVAL BEFORE PROCEEDING WITH OVERALL CLEANING OPERATIONS. SUBMIT PROPOSED CLEANING MATERIALS AND DESCRIPTION OF PROCEDURE FOR REVIEW AND APPROVAL. (SHALL BE PERFORMED AFTER TUCKPOINTING IS COMPLETED.)
- XO2 REMOVE EXISTING ABANDONED FASTENERS AND PENETRATIONS, SUCH AS METAL WALL ANCHORS AND SIMILAR FASTENERS, PATCH HOLES WITH TYPE N MORTAR TO MATCH EXISTING.
- XO3 CLEAN, REPAIR/REPLACE DAMAGED MASONRY UNITS, AND RE-POINT EXISTING BRICK AND STONE WORK (ESTIMATED AT 100 BRICK AND MORTAR REPLACEMENTS AND 30 SEPERATE FULL LENGTH HORIZONTAL MORTAR JOINT RE-POINTING AVERAGE PER ELEVATION FOR BASE BID UNLESS NOTED OTHERWISE). RE-POINTING MORTAR SHALL BE TYPE "N" AND MATCH THE COLOR, TEXTURE, JOINT WIDTH, AND JOINT PROFILE OF THE EXISTING HISTORIC MASONRY. WORK SHALL BE PERFORMED IN A MANNER CONSISTENT WITH PRESERVATION BRIEFS (AS PUBLISHED BY THE NATIONAL PARK SERVICE) FOR MASONRY CLEANING, REPAIR/REPLACEMENT AND RE-POINTING. PROVIDE SEPARATE SAMPLE PANELS DEMONSTRATING MASONRY CLEANING, BRICK AND STONE REPAIR/REPLACEMENT, AND RE-POINTING FOR INSPECTION AND APPROVAL BY HISTORIC PRESERVATION CONSULTANT. ADDITIONAL SAMPLE PANELS SHALL BE PREPARED AS NEEDED TO ACHIEVE APPROVAL. MASONRY CONTRACTOR TO VERIFY QUANTITIES PRIOR TO SUBMITTING BID.
- XO4 PREPARE ABANDONED WALL PENETRATIONS TO BE FILLED WITH COLOR MATCHING MORTAR AND/OR REPLACE MASONRY UNITS AS REQUIRED FOR A FLUSH AND WEATHER TIGHT BUILDING ENVELOPE. BRICK AND MORTAR MOCK-UPS SHALL BE PROVIDED AND AS APPROVED BY THE ARCHITECT AND HISTORIC PRESERVATION CONSULTANT.
- XO5 EXISTING WALL LOUVERS, FRAMES, AND SILLS ARE TO REMAIN IN PLACE AND TO BE REFINISHED (COLOR AS SELECTED BY ARCHITECT). PREPARE OPENING FROM INTERIOR SIDE TO BE INFILL FRAMED AS FOLLOWS FROM INTERIOR FACE OF WALL TO EXTERIOR SIDE: GYPSUM WALL BOARD, VAPOR BARRIER OVER INSULATED METAL 6" STUDS (R-19 INSULATION), 7/16" EXTERIOR TREATED SHEATHING, AND BUILDING WRAP OVER EXTERIOR FACE OF SHEATHING. SEAL ALL SIDES OF OPENING AND CREATE A WEATHER TIGHT ENCLOSURE.
- XO6 REMOVE EXISTING OVERFLOW SCUPPER AND DOWNSPOUT SYSTEM. REPLACE LIKE IN KIND WITH NEW COPPER OVERFLOW SCUPPER AND DOWNSPOUT SYSTEM. COORDINATE SCUPPER/PARAPET DETAILS AND OVERFLOW COLLECTOR HEAD DETAIL WITH ROOFING MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE WITH ROOFING CONTRACTOR.
- XO7 REMOVE EXISTING CAULK AND PROVIDE AND INSTALL NEW CAULK AROUND NEW AND EXISTING EXTERIOR WALL PENETRATIONS THAT ARE TO REMAIN. INFILL ABANDONED VOIDS W/ MATERIALS THAT MATCH ADJACENT FINISHES AT PENETRATIONS TO BE REMOVED; COORDINATE WITH MEP.
- XO8 RESTORE AND MAINTAIN EXISTING BUILDING IDENTIFICATION SIGNAGE ABOVE EACH LOBBY ENTRANCE. (PER NATIONAL PARKS BRIEFS)
- XO9 PROVIDE SEPERATE UNIT COST FOR BRICK REPLACEMENT, TUCK POINTING AND CAST STONE RESTORATION/REPLACEMENT. UNIT COST SHALL INCLUDE NEW MORTAR ON ALL FOUR SIDES OF THE BRICK OR STONE UNIT. UNIT COST WILL BE USED TO ADD AND DEDUCT BRICK AND STONE REPLACEMENT WORK ABOVE OR BELOW THE BASE BID SCOPE OF WORK.
- X10 REMOVE EXISTING ROOFING MEMBRANE AND BALLAST AND PROVIDE AND INSTALL NEW 60MIL TPO ROOFING MEMBRANE SYSTEM. ROOFING CONTRACTOR SHALL COORDINATE WITH MEP CONTRACTORS ON ALL ASSOCIATED TRADE WORK FOR ROOF PENETRATIONS TO PROPERLY PROVIDE AND INSTALL TPO FLASHINGS/ACCESSORIES TO COMPLETE NEW TPO ROOF SYSTEM. ROOFING CONTRACTOR TO COORDINATE WITH TPO ROOFING MANUFACTURE AS NEEDED TO OBTAIN NEW ROOFING WARRANTY
- X11 REPAIR AND RESTORE (3) CANOPIES AND PREPARE FOR NEW FINISH. COLOR AS APPROVED BY HISTORIC PRESERVATION CONSULTANT AND ARCHITECT.
- X12 REMOVE AND REPLACE ENTRY DOORS PER DOOR SCHEDULE (INCLUDE PANIC HARDWARE WHERE INDICATED, CLOSER AND ELECTRONIC ACCESS CONTROL(S). SUBMIT SHOP DRAWINGS TO HISTORIC PRESERVATION CONSULTANT AND ARCHITECT FOR APPROVAL.
- X13 MASONRY RESTORATION CONTRACTOR TO INSPECT, RESTORE AND CLEAN ALL PARAPET WALLS AND ARCHITECTURAL STONE COPINGS.

A3.0R SCALE: 1/8" = 1'-0"

- X14 PROVIDE NEW WALL MOUNTED EXTERIOR LIGHTING AT ENTRY LOCATIONS. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMAITON.
- X15 REMOVE EXISTING GAS RISERS AND VALVES TO BE ABANDONED AT NORTH ELEVATION. CAP ABANDONED SUPPLY LINES BELOW GRADE AND INFILL WALL PENETRATION VOIDS PER NOTE XO4. X16 PROVIDE SAW CUTTING OF EXISTING MASONRY AS REQUIRED TO INSTALL NEW MECHANICAL WALL LOUVER.
- INCLUDE ALL ASSOCIATED FRAMING AND FLASHINGS AS REQUIRED FOR A COMPLETE AND FUNCITONAL LOUVER SYSTEM. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. X17 PROVIDE AND INSTALL NEW PREFINISHED METAL CHIMNEY CAP AND GASKETING TO CREATE WEATHER TIGHT
- SEAL AT EXISTING BOILER CHIMNEY. CONTRACTOR TO MAKE MODIFICATIONS AND/OR REPAIRS TO TOP OF CHIMNEY AS REQUIRED TO INSTALL AND ANCHOR CHIMNEY CAP. SLOPE CAP FOR POSITIVE DRAINAGE. COLOR TO BE APPROVED BY OWNER AND HISTORIC CONSULTANT.

WINDOW SCHEDULE

IOTE: CONTRACTOR SHALL CERTIFY THAT BEDROOM WINDOWS INSTALLED PROVIDE EGRESS OPENINGS OF 5.7 SQ. F MIN.) @ 2ND FLOOR BEDROOMS & 5.0 SQ.FT. (MIN.) @ 1ST FLOOR BEDROOMS WITH MIN. CLEAR HEIGHT OF 24" AND LEAR WIDTH OF 20". SEE SPECS FOR WINDOW OPENING CONTROL DEVICE REQUIREMENTS WHERE APPLICABLE. NOTE. ALL WINDOWS SHALL BE PREFINISHED WHITE ALUMINUM. PROVIDE PROFILE AND FINISH SAMPLES FOR APPROVAL BY HISTORIC PRESERVATION CONSULTANT.

IOTE: CONTRACTOR/SUPPLIER SHALL VERIFY ALL WINDOW SIZES AND TYPES PRIOR TO PROCUREMENT/FABRICATION NOTE: REFER TO EXTERIOR ELEVATIONS AND WINDOW DETAILS FOR SPECIFIC MASONRY OR SIDING DETAILS AROUND WINDOW OPENINGS.

WINDOW OF ENVIOUS.	
IOTE: ALL LOW "E" GLAZING TO BE COLOR NEUTRAL	AND HAVE A MIN. DAYLIGHT TRANSMITTANCE OF 70%.

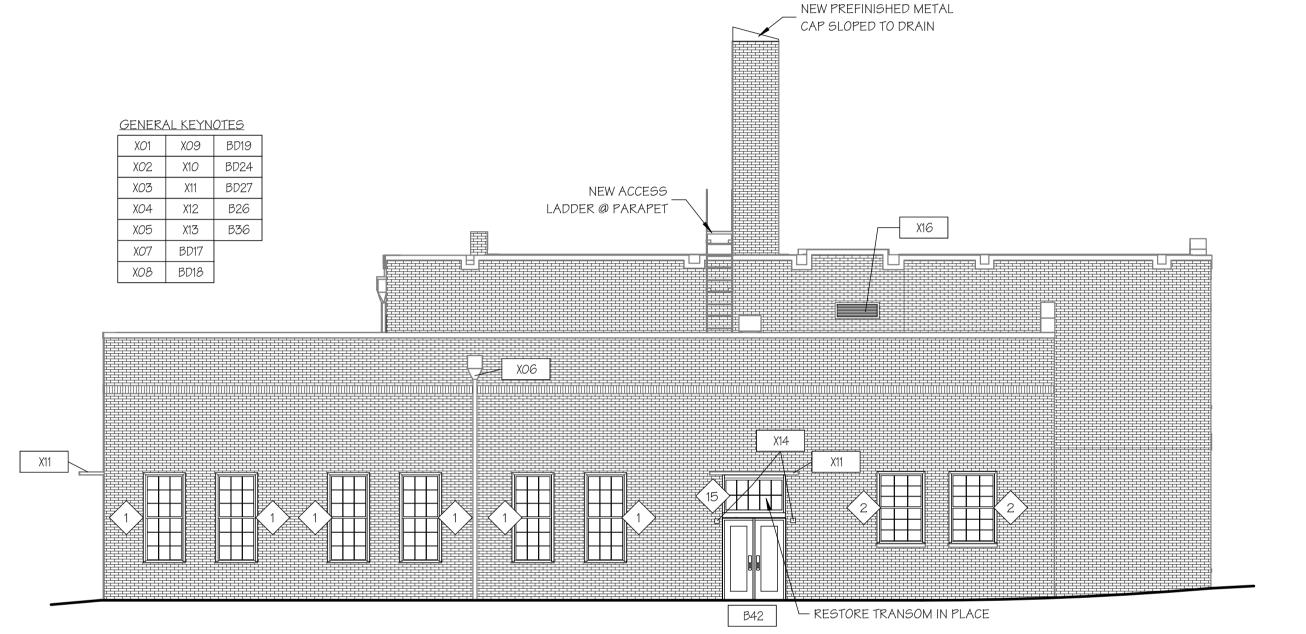
MARK	SIZE	GLAZING	DESCRIPTION
1	3'-6" × 7'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (9X9) GRILLES
2	4'-0" × 6'-0"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (9X9) GRILLES
3	2'-0" × 4'-0"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (6X6) GRILLES
4	4'-0" × 7'-0"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (9X9) GRILLES
5	3'-6" × 5'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (9X9) GRILLES
6	3'-0" × 7'-0"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (9X9) GRILLES
7	6'-0" × 4'-0"	LOW "E"	REPLICATE EAST & SOUTH ENTRY TRANSOMS
8	3'-6" × 7'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (9X9) GRILLES
9	3'-0" × 7'-0"	LOW "E"	SINGLE HUNG, FIXED FABRICATED RADIUS HEAD CONDITION, WRAP W/PREFINISHED ALUMINUM TO MATCH WINDOW COLOR/FINISH
10	3'-0" × 4'-0"	LOW "E"	SINGLE HUNG, OFFSET SASH, 11/4" (6X6) GRILLES
11	3'-6" × 7'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 1 1/4" (9X9) GRILLES
12	3'-6" × 7'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 1 1/4" (9X9) GRILLES
13	3'-6" × 7'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 1 1/4" (9X9) GRILLES
14	3'-6" × 7'-6"	LOW "E"	SINGLE HUNG, OFFSET SASH, 1 1/4" (9X12) GRILLES
15	5'-0" × 3'-0"	LOW "E"	REPLICATE WEST & NORTH ENTRY TRANSOMS
16	5'-0" x 6'-8"	LOW "E"	STORE FRONT

SOME WINDOWS ARE NOT VISIBLE IN EXTERIOR ELEVATION VIEWS, SEE SHEET A1.1 & A1.2 FOR LOCATIONS

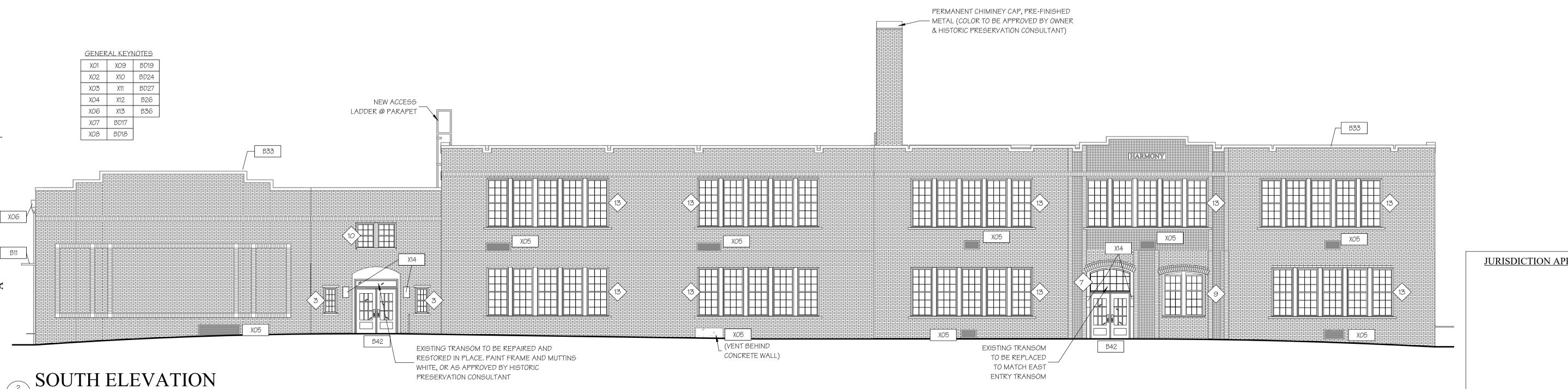
REFERENCE SHEET SC1.OR

FOR ALL KEYNOTES

SEE SHEETS A3.2 & A3.3 FOR WINDOW LEGENDS



WEST SIDE ELEVATION



JURISDICTION APPROVAL

08 OCT 2021 ISSUE SET 25 JAN 2022 ADDENDUM #1

ADDENDUM #1

NOTES: WORK SHOULD NOT BEGIN UNTIL THE PHASE I/II REPORT(S) HAVE BEEN PROVIDE AND REVIEWED BY THE CONTRACTOR.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS.

MITIGATE ANY HAZARDOUS MATERIALS (ASBESTOS, LEAD-BASED PAINT, ETC.) THAT IS IDENTIFIED IN THE OWNER PROVIDED ENVIRONMENTAL REPORT.

25 JAN 2022

WALLACE ARCHITECTS, LLC

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MARTIN RANDALL PORTER 6574

25 JAN 2022

ARCUS GARVEY HARMONY APARTMENTS OMA CITY, OKLAHOMA COUNTY, OKLAHOMA

A R C HITECTS L.L.C.

Columbia, MO
P 573-256-7200

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1 25 JAN 2022 ADDENDUM #1

JOB NO. 3849R

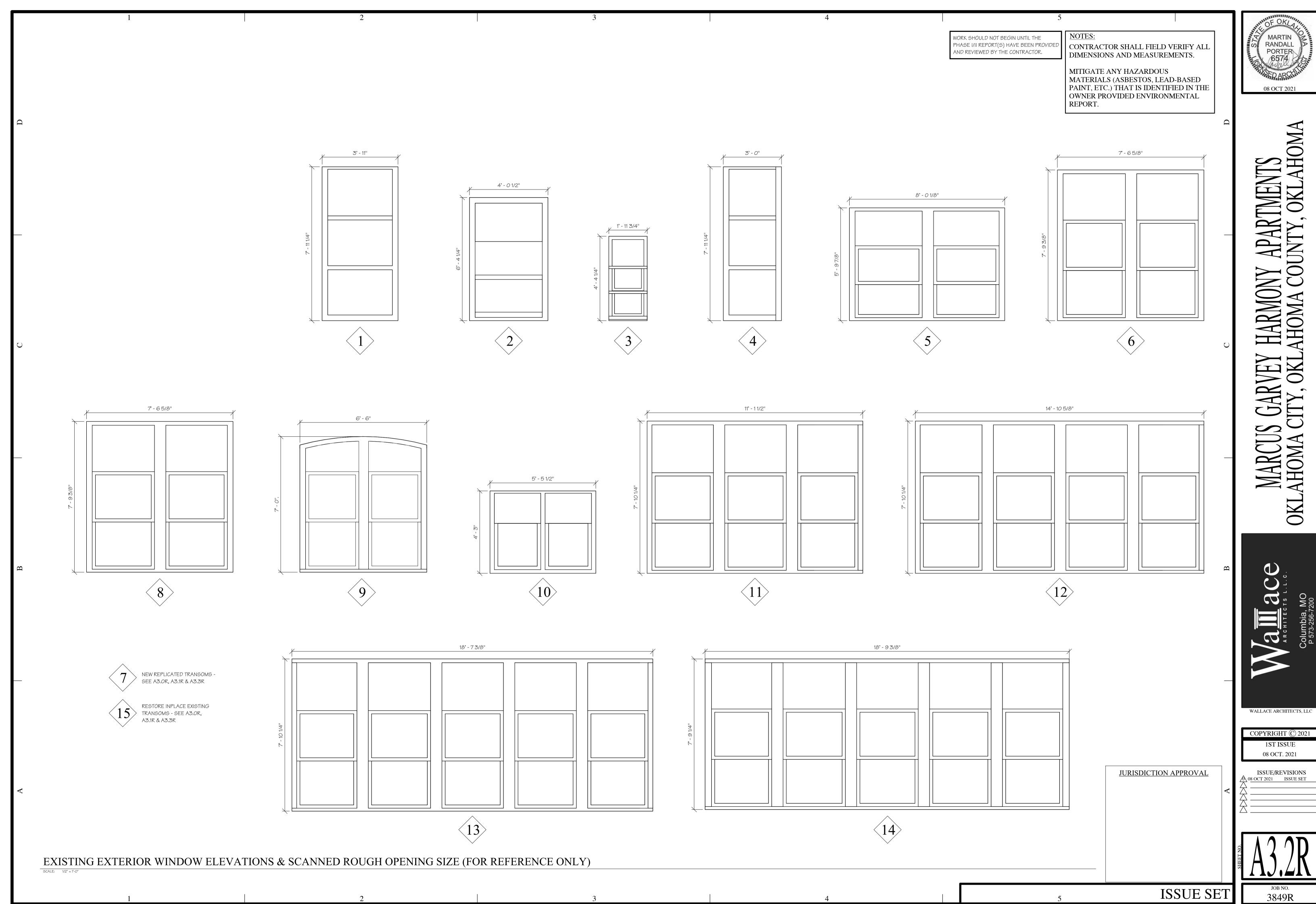
NORTH ELEVATION

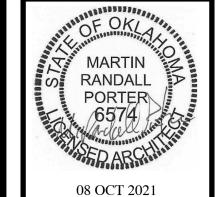
X05

2 A3.1R SCALE: 1/8" = 1'-0"

ADDENDUM #1

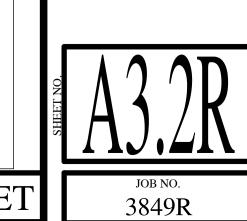
JURISDICTION APPROVAL

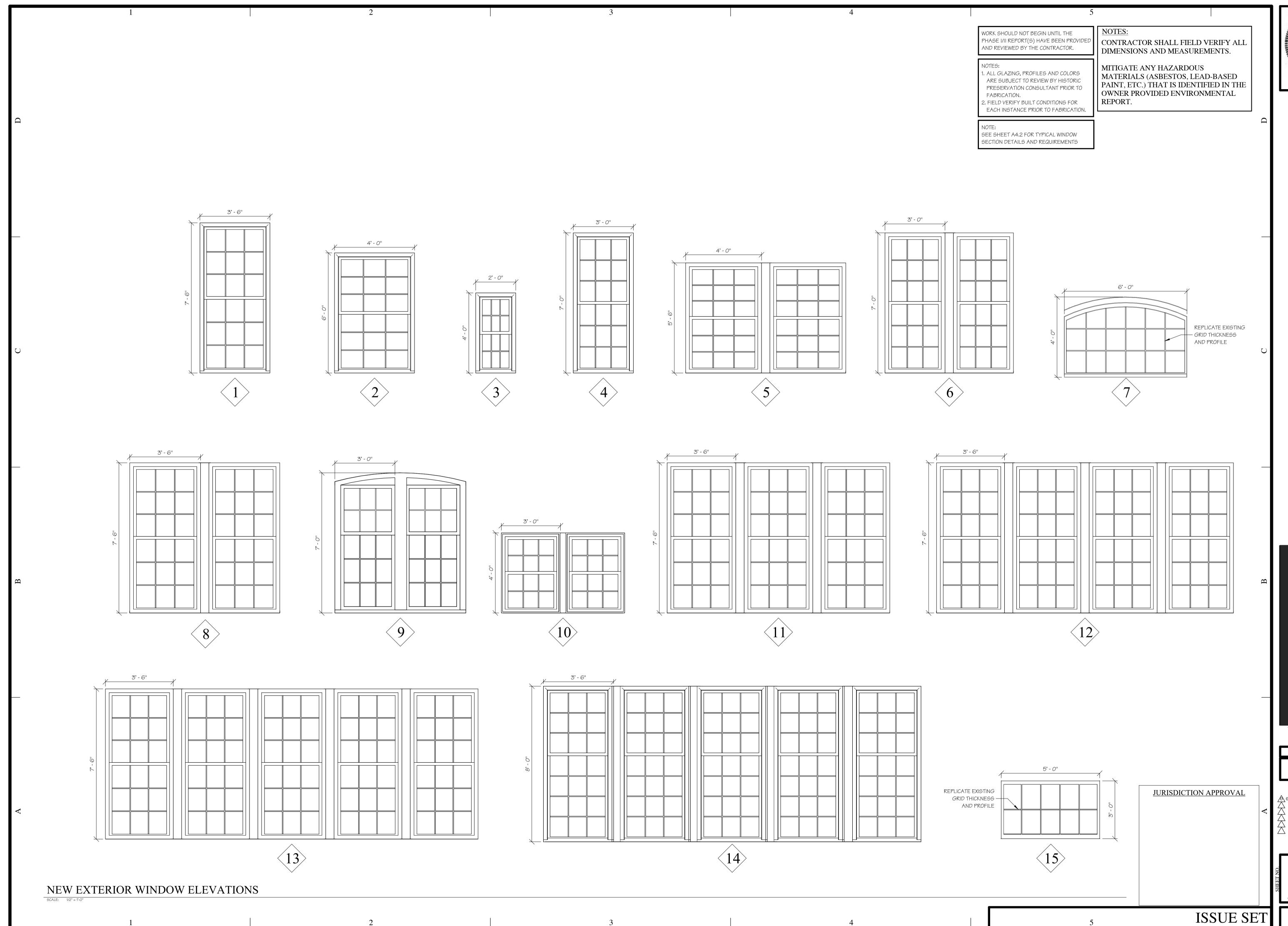


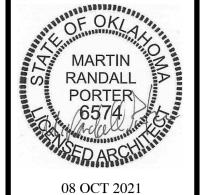


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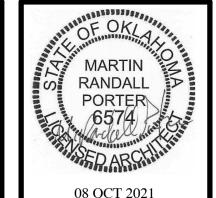
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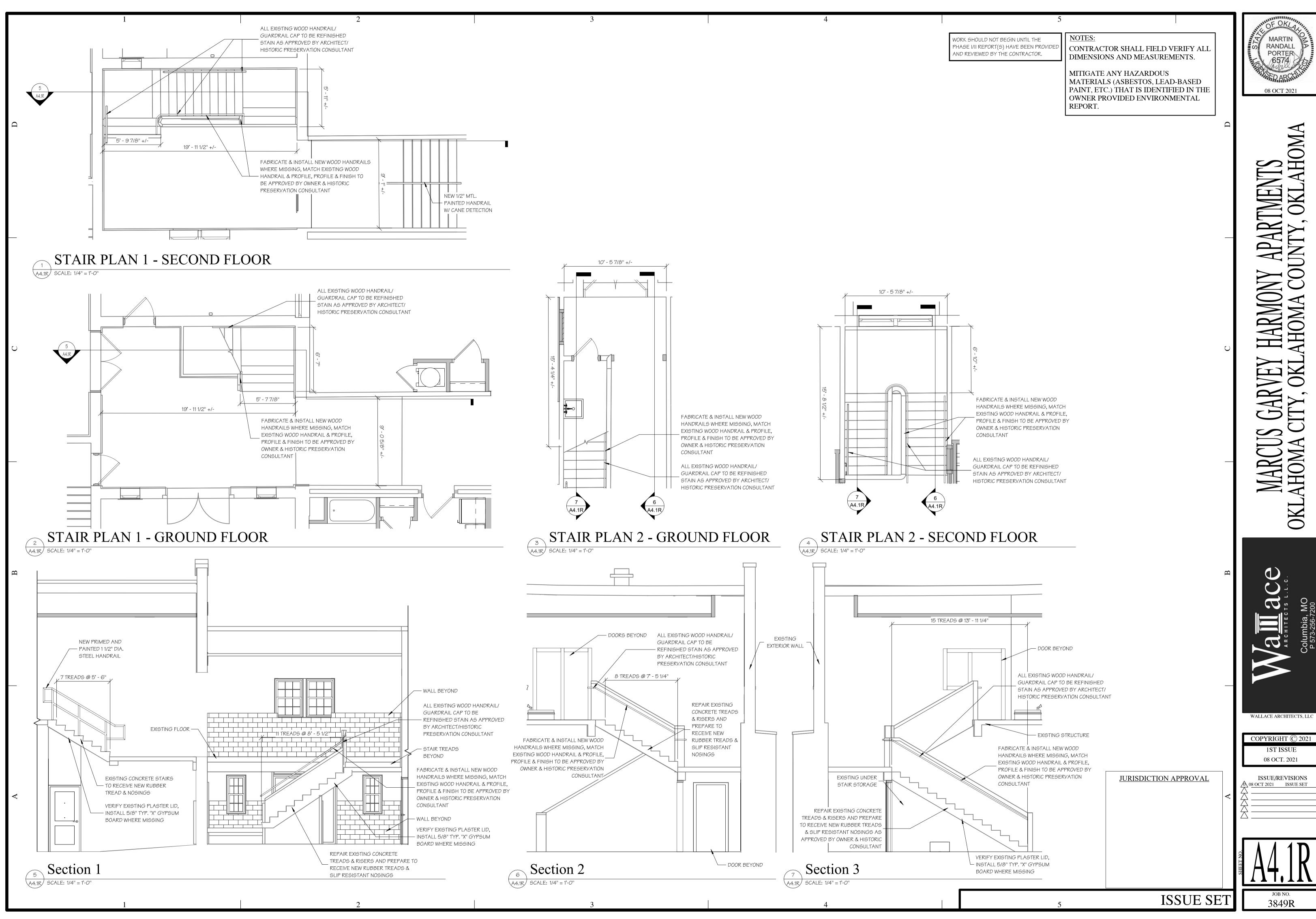
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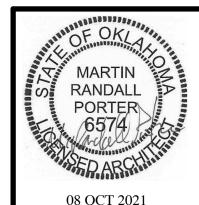
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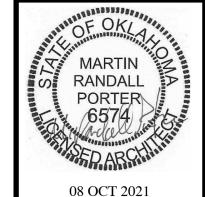




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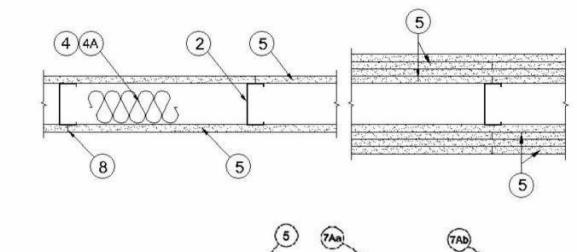
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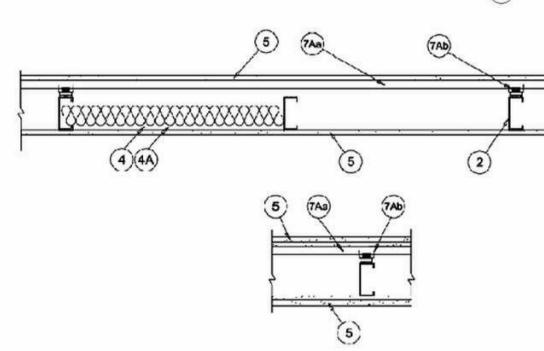


08 OCT. 2021

ISSUE/REVISIONS 08 OCT 2021 ISSUE SET

ISSUE SET





1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG ion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max. 1A. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B,

proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

1B. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv stee attached to floor and ceiling with fasteners spaced 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

 $1C. \ \textbf{Framing Members*} - \textbf{Floor and Ceiling Runners} - (\textbf{Not Shown}) - \textbf{In lieu of Item 1} - \textbf{Channel shaped, attached}$ to floor and ceiling with fasteners 24 in. OC. max. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

OUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

LE. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item $\mathfrak 1)$ — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max. CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1F. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. SUPER STUD BUILDING PRODUCTS — The Edge

1G. Framing Members* — Floor and Ceiling Runner — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in, galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20[™] Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max. TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. **TELLING INDUSTRIES L L C** — Viper25[™] Track

1K. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **TELLING INDUSTRIES L L C** — Viper20[™] Track

1L. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2N. proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. STEEL INVESTMENT GROUP L L C — AlphaTRAK

1M. **Framing Members*** — **Floor and Ceiling Runners** — Not Shown — As an alternate to Item 1 — For use with Item 20, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. OEG BUILDING MATERIALS — OEG Track

10. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 20. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. 2A. **Steel Studs** — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J and 5K) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galy steel, 3-1/2 in, min depth, spaced a max of 16 in, OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. 2B. Framing Members* - Steel Studs — (As an alternate to Item 2, For use with Items 5C, 5I or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and

installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

gypsum board only.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

FUSION BUILDING PRODUCTS — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20 $^{\text{TM}}$

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. **Framing Members* — Steel Studs —** In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2E. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or 5K only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. **CLARKDIETRICH BUILDING SYSTEMS** — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights. SUPER STUD BUILDING PRODUCTS — The Edge

2G. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height STUDCO BUILDING SYSTEMS — CROCSTUD

2H. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. TELLING INDUSTRIES L L C — TRUE-STUD™

2I. Framing Members* — Steel Studs — (As an alternate to Item 2, For use with Items 5C or 5L or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of **TELLING INDUSTRIES L L C** — Viper25™

2). Framing Members* — Metal Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights **TELLING INDUSTRIES L L C** — Viper20™

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

FR METAL INC - NITROSTUD

2L. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. **OLMAR SUPPLY INC** — PRIMESTUD

2M. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, cated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in, less than assembly height. MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. Framing Members*— Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height. STEEL INVESTMENT GROUP L L C — AlphaSTUD

20. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 RONDO BUILDING SERVICES PTY LTD — Rondo Linned Wall Stud

2P. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. OEG BUILDING MATERIALS — OEG Stud

2Q. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 10, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights. **CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper X

3. Wood Structural Panel Sheathing - (Optional, For use with Item 5 Only) - (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min, head diam, of 0.292 in, at maximum 6 in, OC, in the perimeter and 12 in, OC, in the field When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies. 4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL fication Marking as to Surface Burning Characteristics and/or Fire Resistance.

4B. Batts and Blankets* — For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistan

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies 4C. Fiber, Sprayed* - (Optional) and as an alternate to Batts and Blankets (Item 4B) where insulation is required Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to ompletely fill the wall cavity in accordance with the application instructions supplied with the product. See Fiber,

AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Gypsum Board*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

2 layers, 3/4 in. thick 2 in. CGC INC - 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX,

UNITED STATES GYPSUM CO -1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC -1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min, stud depth is 3-1/2 in... min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6. **CGC INC** — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board*** — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in, thick products are specified. For direct attachment only to steel study Item 2A. (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in or 3/4 in thick lead backed gypsum panels with beyeled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gynsum hoard secured to 20 MSG steel studs Item 2A with 1-1/4 in, long Type S-12 steel screws spaced 8 in, OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board*** — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beyeled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be istalled on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each poard. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory. **CGC INC** — Type SCX.

UNITED STATES GYPSUM CO - Type SCX, SGX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board*** — (As an alternate to Item 5) - 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in. **UNITED STATES GYPSUM CO** - 5/8 in. thick Type SCX, SGX

USG BORAL DRYWALL SFZ LLC - 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, uare or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of study need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC - 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in, thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO -1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

5H. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A)

USG MEXICO S A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR,

or Lead Discs (see Item 12A). MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5I. Gypsum Board* — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5J. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in, thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. /ertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in, long Type S-12 steel screws gypsum panel steel screws spaced 8 in, OC at perimeter and 12 in, OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick, Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification OO-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

JURISDICTION APPROVAL

5K. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) need not be staggered. The number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2 through 20	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4B)
1	3-5/8	1 layer, 5/8 in. thick	3-1/2 in.
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional

UNITED STATES GYPSUM CO -5/8 in. thick Type ULIX

6. Fasteners — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to stude (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Threelayer systems: First layer- 1 in, long for 1/2 in., 5/8 in, thick panels, spaced 24 in, OC. Second layer- 1-5/8 in, long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in, thick panels, spaced 12 in, OC. Screws offset min 6 in, from layer below. Four-layer systems: First layer- 1 in long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. ourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in, from layer below

7. **Furring Channels** — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in, long Type S-12 steel screws. Not for use with Item 5A. 7A. **Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below

> in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item b. **Steel Framing Members*** — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. $8 \times 1-1/2$ n. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75)

clips secured to studs with No. 8 x 9/16 in, minimum self-drilling, S-12 steel screw through the

center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8

9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. PAC INTERNATIONAL L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. **Framing Members*** — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in, OC., and secured to study with two No. 8 x 2-1/2 in, coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted

KINETICS NOISE CONTROL INC — Type Isomax

PLITEQ INC — Type GENIECLIP

LINTTED STATES GYPSUM CO — Type AS

7C. **Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) As an alternate to Item 7, furring channels and Steel Framing Members as described below a. Furring Channels — Formed of No. 25 MSG galy steel, 2-3/8 in, wide by 7/8 in, deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A. b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. $8 \times 1-1/2$ in. minimum selfdrilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into

7D. **Steel Framing Members*** - (Optional on one or both sides, not shown, for single or double layer systems) -Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A b. Steel Framing Members* — Used to attach furring channels (Item 7Da) to studs. Clips spaced

the center hole. Furring channels are friction fitted into clips

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. **Steel Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ea) to studs. Clips spaced

48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through

48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. **REGUPOL AMERICA** — Type SonusClip

7F. Steel Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below

> a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2in. from the center of the overlap. Gypsum board attached to resilient channels as described in

b. **Steel Framing Members*** — Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in, OC., and secured to study with No. 8 x 2-1/2 in, coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. $10 \times 1/2$ in. pan-head self-drilling **KEENE BUILDING PRODUCTS CO INC** — Type RC+ Assurance Clip

8. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge. 9. Siding, Brick or Stucco — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick. 10. Caulking and Sealants* — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition

11. Lead Batten Strips — (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of study and attached from the exterior face of the study with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. Lead Batten Strips — (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in, wide, max 10 ft long with a

max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type

S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. 12. **Lead Discs or Tabs** — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered

over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B)

neath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". 12A. Lead Discs — (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs ression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal

Specification OO-L-201f, Grades "B, C or D". 13. Lead Batten Strips — (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification OO-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations

14. **Lead Tabs** — (Not Shown, For Use With Item 5E) — 2 in, wide, 5 in, long with a max thickness of 0.142 in, Tabs

friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each

location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification

MARTIN RANDALL PORTER 08 OCT 2021

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WALLACE ARCHITECTS, LLC

ISSUE/REVISIONS 08 OCT 2021 ISSUE SET

HORIZONTAL SECTION

1. Floor and Ceiling Runners — (For use with Item 5 and 5A) — Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 25 MSG galv steel, 1-1/4 in. wide and 2-

1A. Floor and Ceiling Runners — (As an alternate to Item 1, For use with Item 5B and 5C) — Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart. Runners fabricated from min No. 20 MSG galv steel, 1-3/16 in. wide and 2-9/16

1B. Framing Members* — Floor and Ceiling Runners — (Not shown for use with Item 2B) — As an alternate to Item 1 -Channel shaped, min. 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. **ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1C. Framing Members* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 for a 2 hour rating only — For use with Item 2C, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. **CLARKDIETRICH BUILDING SYSTEMS** — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1D. **Framing Members*** — **Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 - For use with Item 2D, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1E. Framing Members* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 for a 2 hour rating only For use with Item 2E, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25[™] Track

1F. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 for use with Item 2F, proprietary channel shaped, min. 3-1/2 in. wide, fabricated from min. 0.018 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. RESCUE METAL FRAMING, L L C — AlphaTRAK

1G. Framing Members* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 for use with Item 2G and for a 2 hour rating only. Channel shaped, min. 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. **ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME D25

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25

UNITED METAL PRODUCTS INC — Type SUPREME D25

TELLING INDUSTRIES L L C — Type SUPREME D25

2. Steel Studs — (For use with Item 5 and 5A) — Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 25 MSG galv steel, min 2-1/2 in. deep by 1-5/8 in. wide with 3/8 in.

2A. Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5C, 5E, and 5F) — Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 16 in. OC. Studs cut 1/2 in. less than assembly height and staggered flush against the floor runners. Studs fabricated from min No. 20 MSG galv steel, min 2-1/2 in. deep x 1-5/8 in. wide x 3/8 in. folded back return flange legs.

2B. Framing Members* — Steel Studs — As an alternate to Item 2 — Channel shaped studs, min. 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. **ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

OLMAR SUPPLY INC — PRIMESTUD

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2C. Framing Members* — Steel Studs — As an alternate to Item 2 for a 2 hour rating only — For use with Item 1C, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. **CLARKDIETRICH BUILDING SYSTEMS** — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2D. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1D, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2E. Framing Members* — Steel Studs — As an alternate to Item 2 for a 2 hour rating only — For use with Item 1E, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

FUSION BUILDING PRODUCTS — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2F. Framing Members* — Steel Studs — As an alternate to Item 2, for use with Item 1F, proprietary channel shaped studs, min. 3-1/2 in. wide, fabricated from min. 0.018 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. **RESCUE METAL FRAMING, L L C** — AlphaSTUD

2G. **Framing Members*** — **Steel Studs** — As an alternate to Item 2 for use Item 1G and for a 2 hour rating only — Channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D25

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25

UNITED METAL PRODUCTS INC — Type SUPREME D25

TELLING INDUSTRIES L L C — Type SUPREME D25

3. **Lateral Bracing** — The bracing shall be in accordance with the SSMA Technical Note Dated March 2000 Referencing Unsheathed Flange Bracing.

3A. Lateral Bracing — (Not Shown) — Right angle- shaped, supplied with notches spaced 12, 16, or 24 in. OC., friction-fitted to the cutouts in steel studs, supplied in 7/8 in. by 7/8 in. by 50 in. lengths. Lateral bracing bars fabricated from min. 20 MSG galvanized steel. The bracing shall be located a maximum of 5 ft on center in accordance with the manufacturers published **CLARKDIETRICH BUILDING SYSTEMS** — TradeReady Spazzer 9200 bar

4. **Batts and Blankets** — Optional — Glass fiber batts may be friction-fitted to completely fill the stud cavities on one or both See Batts and Blankets Category (BZJZ) for names of manufacturers.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies

5. **Gypsum Board*** — Nom 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Single layer installed on each side of the steel studs for the 1-hr system, two layers installed on each side of the

studs for the 2-hr system. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (2-hr system) staggered one stud cavity. Horizontal edge joints and horizontal butt joints need not be backed by framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) staggered a minimum of 6 in. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) need not be staggered with Type ULIX. For the single layer system: panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. For the single layer system with ULIX, panels attached to steel studs and floor runners with 1 in. long Type S screws spaced 12 in. OC when applied vertically or horizontally. Horizontal joints need not be staggered on opposite sides of studs. For the double layer system: base layer panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 16 in., face layer panels attached to steel studs and floor runner with 1-5/8 in. long Type S steel screws spaced 12 in. When used in widths other than 48 in., gypsum panels to be installed horizontally.

When Steel Framing Members* (Item 7 or any alternate clips) are used: For the 1-hr system, gypsum panels attached vertically to furring channels with 1 in. long Type S-12 screws spaced 12 in. OC. Vertical joints offset min 12 in. from layer on other side of wall. For the 2-hr system, inner layer of gypsum panels attached vertically to furring channels with 1 in. Type S-12 screws spaced 16 in. OC. outer layer with 1-5/8 in. Type S-12 screws spaced 12 in. OC. Inner layer to be applied vertically. Outer layer to be applied vertically with joints offset a minimum 12 in. from inner layer joints.

CGC INC — Type SCX, SHX, IP-X1, WRX, AR, IP-AR, C, WRC, IP-X2, IPC-AR, ULIX, USGX (Joint tape and compound, Item 6, optional for use with Type USGX)

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, USGX, WRX, WRC (Joint tape and compound, Item 6, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX (Joint tape and compound, Item 6, optional for use with Type USGX)

USG MEXICO S A DE C V — Type SCX, SHX, IP-X1, WRX, AR, IP-AR, C, WRC, IP-X2, or IPC-AR, USGX (Joint tape and compound, Item 6, optional for use with Type USGX

5A. Gypsum Board* — (As an alternate to Item 5) — Single layer installed on each side of the steel studs for the 1-hr system, two layers installed on each side of the studs for the 2-hr system. Nom 3/4 in. thick, 4 ft wide, installed as described in Item 5 with screw length increased to 1-1/4 in. for base layer (or for 1 hr. configuration) 2-1/4 in. for face layer. **CGC INC** — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

5B. **Gypsum Board*** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only) — Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over min 20 MSG galvanized steel studs and staggered min 1 stud cavity on opposite sides of studs. See Item 2A. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 8) or Lead Discs or Tabs (see Item 9). **RAY-BAR ENGINEERING CORP** — Type RB-LBG

5C. **Gypsum Board*** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only) — Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5D. **Gypsum Board*** — (As an alternate to Item 5, not for use with Items 1C and 2C) — Nom. 5/8 in. thick, 4 ft. wide gypsum panels with beveled, square or tapered edges installed as described in Item 5.

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5E. **Gypsum Board*** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over min 20 MSG galvanized steel studs and staggered min 1 stud cavity on opposite sides of studs. See Item 2A. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5F. **Gypsum Board*** — (As an alternate to Items 4) — For Direct Application to studs Only — For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Fasteners for face layer gypsum panels (Items 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 5. MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

5G. Deleted.

5H. Gypsum Board* — Nom 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Single layer installed on each side of the steel studs for the 1-hr system, two layers installed on each side of the studs for the 2-hr system. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (2-hr system) staggered one stud cavity. Horizontal edge joints and horizontal butt joints need not be backed by framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (2-hr system) staggered a minimum of 6 in. For the single layer system: panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. For the double layer system: base layer panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 16 in., face

layer panels attached to steel studs and floor runner with 1-5/8 in. long Type S steel screws spaced 12 in. When used in widths other than 48 in., gypsum panels to be installed horizontally

When Steel Framing Members* (Item 7-7B) are used: For the 1-hr system, gypsum panels attached vertically to furring channels with 1 in. long Type S-12 screws spaced 12 in. OC. Vertical joints offset min 12 in. from layer on other side of wall. For the 2-hr system, inner layer of gypsum panels attached vertically to furring channels with 1 in. Type S-12 screws spaced 16 in. OC, outer layer with 1-5/8 in. Type S-12 screws spaced 12 in. OC. Inner layer to be applied vertically. Outer layer to be applied vertically with joints offset a minimum 12 in. from

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR.

6. **Joint Tape and Compound** — (Not Shown) — Outer layer joints covered with joint compound and paper or mesh tape. Screw heads covered with joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

7. **Steel Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 5. May not be used with items 5B, 5C, 5E or 5F.

b. Steel Framing Members* — Used to attach furring channels (Item 7a) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels. PAC INTERNATIONAL L C — Types RSIC-1, RSIC-1 (2.75)

7A. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 5. May not be used with items 5B, 5C, 5E or 5F.

b. Steel Framing Members* — Used to attach furring channels (Item 7Aa) to studs. Clips spaced 48 in. OC., and secured to studs 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction

7B. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

Members as described below: a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 5. May not be used with Items 5B, 5C, 5E, or 5F.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ba) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted **REGUPOL AMERICA** — Type SonusClip

7C. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 7) — Resilient channels and Steel Framing

a. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. May not be used with Items 5B, 5C, 5E, or 5F.

b. Steel Framing Members* — Used to attach resilient channels (Item 7Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. **KEENE BUILDING PRODUCTS CO INC** — Type RC+ Assurance Clip

7D Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 7) — Furring channels and Steel Framing

a Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 5.

b Steel Framing Members* — Used to attach furring channels (Item 7Da) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

8. Lead Batten Strips — (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

9. Lead Discs or Tabs — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10. **Lead Batten Strips** — (Not Shown, For Use With Item 5C) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5C) and optional at

11. Lead Tabs — (Not Shown, For Use With Item 5C) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5C) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — For use with Items 5 or 5A — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

13. Barrier Mesh — (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center. **CLARKDIETRICH BUILDING SYSTEMS** — Barrier Mesh, Barrier Mesh Clips

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),

RANDALL

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JURISDICTION APPROVAL