ARLINGTON CULTURAL AFFAIRS RENO



BID SET

FACILITIES DESIGN & CONSTRUCTION ARLINGTON, VIRGINIA

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VCC 302.1	Classificatio	'n		Group	VEBC	Work Undertaken in Connection With a Change of Occurrency		
502.1	Assembly			A-3	701.2	Any repairs, alterations, or additions undertaken in connection with a change of occupancy shall	VEBC	Alterations Affecting an Area Co
	Business Moderate-Haza	ard Factory Industrial		B F-1		conform to the applicable requirements for the work as classified in this code and as modified by this chapter.	404.3	Where an alteration affects the appagaibi
	Low-Hazard Fa	ctory Industrial		F-2	VEBC	Interior Finish		the primary function area shall be access include toilet facilities and drinking founta
VCC 703.3	FIRE-RESI	STANCE-RATE ethods for determin	D CONSTRUCTIO	N	703.1	In areas of the building undergoing a change of occupancy classification, the interior finish of walls	VEBC	individuals with disabilities, serving the a
-	The required fire	reciptores of a building	alement chall be normitted to	a be established by the following	VEBC	and ceilings shall comply with the requirements of the VCC for the new occupancy classification.	404.4.1	Entrances
	Fire resistance de	esigns documented in a	pproved sources	be established by the following.	703.2	When a change of occupancy classification is made to a higher hazard category as shown in Table		on an accessible route, the altered entrar Section 404.3. Signs complying with Sec
VCC	Prescriptive desig	ons as prescribed in Sec	ction 721			705.2, protection of existing vertical openings shall be in accordance with Sections 703.2.1 through 703.2.3.		Exception: Where an alteration includes a
707.6	Openings [fire	barriers]			VEBC 703 2 1	Stairways	VEBC	Signs complying with Section 1111 of the
	Each opening sha of wall; and maxir	all be protected per Sec num area of any single	tion 716; limited to maximum opening shall be 156 SF	aggregate width of 25% of length	VEBC	Fire Protection Systems	404.4.13	Thresholds
715.1	Fire-resistant	joint systems			704.1	Fire protection systems shall be provided in accordance with Sections 704.2 and 704.4.		The maximum height of thresholds at doo have beveled edges on each side.
	Joints in fire-resis	stance-rated walls, asse istant joint system	mblies, roofs, floors, and ceil	lings shall be protected by an	VEBC 704.2	Fire Sprinkler System		
	••					to be provided based on the new occupancy in accordance with Section 903 of the VCC, such automatic fire sprinkler system shall be provided throughout the area where the change of occupancy		
Table	Opening Fire	Protection Ratings	Assembly rating	Fire Door / Shutter Rating	VEBC	occurs. Fire Alarm and Detection System		
716.5 I	Fire walls		2 hours 2 hours	1-1/2 hour 1-1/2 hour	704.3			
VCC 717.4	Access and id	entification Idampo	ersl			Where a building undergoes a change of occupancy that requires a fire alarm and detection system to be provided based on the new occupancy in accordance with Section 907 of the VCC, such fire alarm and detection system shall be provided throughout the area where the change of occupancy		
	Provide access to	o all fire, smoke, and co	mbination dampers large enc	ough to permit inspection and		occurs. Existing alarm notification appliances shall be automatically activated throughout the building. Where the building is not equipped with a fire alarm system, alarm notification appliances shall be	VEBC	
<u>ו</u>	naintenance of th Access shall not a	ne damper and its opera affect or reduce the rate	able parts ed integrity			provided throughout the area where the change of occupancy occurs in accordance with Section 907 of the VCC as required for new construction.	501.2	Conformance
	dentify all access	s points with a label com	nplying with Section 717.4		VEBC 705.2	Hazard Categories for Egress [Change of Occupancy]		The work shall not make the building less Repairs shall be done in a manner that m
						Existing building Occupancy Classification: A, E, I-1, M, IC-1, IC-2, IC-4, Hazard Category: 3 Existing building Occupancy Classification: B, F-1, R-3, S-1; Hazard Category: 4		 Level of fire protection that is existing. Level of protection that is existing for the second second
VCC 301.8	Foam plastic	cs				Change of Occupancy Classification: B, F-1, R-3, S-1; Hazard Category: 4 Change of Occupancy Classification: F-2, S-2, U; Hazard Category: 5 (lowest)	VERC	
	Foam plastics s 2604.2	shall not be used as inte	erior finish or trim except as p	provided in Sections 803.4, 806.3, o	r	Change is to an equal hazard category Change is to a lower hazard category	601.1	General
VCC	Class	Elamo	Sproad	Smoka Davalanad	VEBC	Means of Earoos for an Equal or Lower Hazard Category (Change of Occupancy)		Except as modified in Chapter 9 or this c
003.1.1	A	0-2	25	0-450	705.4			building or structure is no less conforming structure was prior to the alteration. Porti
	B	26- 76-2	75 200	0-450 0-450	_	number) as shown in Table 705.2 or a change of occupancy without a change of classification is made, the means of egress shall be deemed acceptable provided the means of egress serving the		required to comply with the requirements
VCC Table		Interior wall and co	iling finish requirement	ts by occupancy	-	area of the change of occupancy meets the egress capacity and occupant load based means of egress provisions in Chapter 10 of the VCC for the new occupancy.		Exception 4. Alterations complying with the building or structure or the affected portion building official shall be considered in considered in considered in considered in considered in considered in construct the statement of
803.9			Sprinklered	ts by occupancy	VEBC 706.2	Hazard Categories for Height and Area [Change of Occupancy]		members added as part of the alteration flood hazard areas shall comply with Sec
	Group	Exit enclosures	and	Rooms and enclosed		Existing building Occupancy Classification: A-1, A-2, A-3, A-4, I, R-1, R-2, R-4; Hazard Category: 2	VEBC 601.2	Levels of Alterations
	A-3, A-4, and	passageway	s Corridors	s spaces	_	Existing building Occupancy Classification: B, F-2, S-2, A-5, R-3, U; Hazard Category: 4 (lowest)	00112	
	B, E, M, and	B	<u></u>	0	-	Change of Occupancy Classification: E, F-1, S-1, M; Hazard Category: 3 Change of Occupancy Classification: B, F-2, S-2, A-5, R-3, U; Hazard Category: 4 (lowest)		Level 1 alterations include the removal an elements, equipment, or fixtures using ne same purpose, or the removal without rel
	F	C	C	C		Change is to a lower hazard category		Level 1 alterations shall comply with the a
803.11.1	Direct attach	nment and furred c	onstruction		706.4	Height and Area for Change to Equal or Lesser Hazard Category [Change of Occupancy]		Level 2 alterations shall comply with the a
	Where walls or	ceilings are required to	be fire-resistance-rated or no	oncombustible, apply interior finish		When a change of occupancy classification is made to an equal or lesser hazard category as shown in Table 706.2, the height and area of the existing building shall be deemed acceptable.		1.The addition or elimination of any door 2.The addition or elimination of any wall,
	construction or	furring strips not more t	than 1-3/4 inches in size		VEBC	Hazard Categories for Exterior Wall Fire-Resistance Rating	VERC	4. The installation of any addition, equipm
	Fill intervening fireblock at 8-ft	spaces between furring intervals	strips with inorganic, noncor	mbustible, or Class A material; or	101.1	[Change of Occupancy] Existing building Occupancy Classification: A, B, E, I, R; Hazard Category: 3	601.4	Energy Conservation
VCC 806.1.2	Combustible	e decorative materi	als		_	Change of Occupancy Classification: F-1, M, S-1; Hazard Category: 2 Change of Occupancy Classification: F-2, S-2, U; Hazard Category: 4 (lowest)		Except as modified by this section, altera
	Amount of com	bustible decorative mat	erial shall not exceed 10% of	f the aggregate area of walls and	VEBC	Change is to a higher hazard category		Residential Code as they relate to new co existing building, building system or struc
	ceilings				707.2	[Change of Occupancy]	VEBC 602.2	Level 1 Alterations Conformance
VCC		Jniimited where suspen	ded from celling and not supp	ported by floor in Groups B and M	-	When a change of occupancy classification is made to a higher hazard category as shown in Table 707.1, exterior walls shall have fire resistance and exterior opening protectives as required by the		
806.5	Interior trim Other than foar	n plastic, shall be minim	num Class C					Alterations shall be done in a manner that 1. Level of fire protection that is existing.
	Combustible tri	m, excluding handrails a	and guards, shall not exceed	10% of the specific wall or ceiling	708.1	Electrical Requirements for Special Occupancies	VEBC	
						described in NFPA 70, the electrical wiring and equipment of the building that contains the proposed occupancy shall comply with the applicable requirements of NFPA 70: Hazardous locations,	602.3	Building Elements and Materials
vcc	FIRE PR	OTECTION SYS	STEMS			Commercial garages, repair, and storage, Aircraft hangars, Gasoline dispensing and service stations, Bulk storage plants, Spray application, dipping, and coating processes, Health care facilities, Places of assembly. Theaters, audience areas of motion picture and television studios, and similar locations.	VERC	602.3.1 through 602.3.3.
Table	Portable Fi	re Extinguisher dis	tribution			Motion picture and television studios and similar locations, Motion picture projectors, and Agricultural buildings.	602.3.1	Interior Finishes and Trim
[F]906.3 (1)	Maximum floo	r area coverage shall n	ot exceed 11,250 SF		VEBC	Number of Electrical Outlets		All newly installed interior finish and trim with Chapter 8 of the VCC.
	Maximum trav	el distance shall not exe	ceed 75 feet		100.3	Where a building undergoes a change of occupancy, the number of electrical outlets shall comply with NFPA 70 for the new occupancy.	VEBC 602.3.2	Materials and Methods
					VEBC	Lighting	_	
					\/ED^			All new building elements and materials s the VCC, International Energy Conservat
					vebc 710.1	Where a building or portion thereof undergoes a change of occupancy such that the new occupancy		joints, penetrations and continuity of any
						is subject to increased or different plumbing fixture requirements or to increased water supply requirements in accordance with the International Plumbing Code, the new occupancy shall comply	603.1	Level 2 Alterations
						with the respective International Plumbing Code provisions. Exception: In other than Group R or Loccupancies or child care facilities classified as group F, where	- 603.2	Level 2 alterations as described in Section and section 602
						the occupant load is increased by 20 percent or less in the area where the change of occupancy occurs, additional plumbing fixtures required based on the increased occupant load in quantities	VEBC	
						specified in the international Plumbing Code are not required.	603.3	All new construction elemente
					VEBC	Assessibility		of the VCC.
					712.1			

ontaining a Primary Function

bility to, or contains an area of primary function, the route to ssible. The accessible route to the primary function area shall tains that shall also be accessible to and useable by area of primary function.

s to an entrance, and the facility has an accessible entrance ance is not required to be accessible unless required by ection 1111 of the VCC shall be provided.

s alterations to an entrance, and the facility has an accessible quired to be accessible, unless required by Section 404.3. e VCC shall be provided.

oorways shall be 3/4 inch (19.1 mm). Such thresholds shall

s conforming than it was before the repair was undertaken. maintains the following:

the means of egress.

chapter, alterations to any building or structure shall comply w construction. Alterations shall be such that the existing ing to the provisions of the VCC than the existing building or rtions of the building or structure not being altered shall not be s of the VCC.

the requirements of the building code under which the tions thereof was built, or as previously approved by the ompliance with the provisions of this code. New structural n shall comply with the VCC. Alterations of existing buildings in ection 601.3.

and replacement or the covering of existing materials, new materials, elements, equipment, or fixtures that serve the eplacement of materials, elements, equipment, or fixtures. e applicable provisions of Section 602.

e applicable provisions of Sections 602 and 603 and shall

or or window. I, floor, or ceiling assembly.

v system.

ment, materials, elements or fixtures.

erations to an existing building, building system, or structure ons of the Virginia Energy Conservation Code or Virginia v construction without requiring the unaltered portions of the ructure to comply with the VECC or VRC.

nat maintains the following:

the means of egress. Directional signs shall be provided.

mply with the applicable provisions of Sections 302 and	VEBC 301.2
materials and wall, floor and ceiling finishes shall comply	VEBC
	302.1
shall comply with the materials and methods requirements in tion Code, International Mechanical Code and International ify material standards, detail of installation and connection, element, component or system in the building.	VEBC 404.1
on 601.2.2 shall comply with the requirements of this section	VEBC
	4 04. Z
nts, systems, and spaces shall comply with the requirements	

ADMINISTRATION

Applicable Codes, Standards, and/or References	
Virginia Existing Building Code (Virginia Uniform Statewide Building Code, Part II)	
Virginia Construction Code (VCC)	
Virginia Statewide Fire Prevention Code (VSFPC)	
Virginia Plumbing Code (VPC)	
Virginia Mechanical Code (VMC)	
Virignia Fuel Gas Code (VFGC)	
Virginia Energy Conservation Code (VECC)	
NFPA 70, National Electrical Code (NEC)	
ADA Standards for Accessible Design	

Refer to other Contract Documents (disciplines) and Specifications for additional code summary information not included in this Code Summary (generally related to IBC Chapters 13 through 33).

EXISTING BUILDING INFORMATION

ORIGINAL BUILDING PERMITTED UNDER BOCA 1996

CONSTRUCTION TYPE: 2C, NON-COMBUSTIBLE

USE GROUP: ASSEMBLY A-3 NON SEPARATED USE BUSINESS B (WORK AREA LEVEL 2 ALTERATIONS IN BUSINESS OCCUPANCY)

OVERALL BUILDING MAIN FLOOR 24,892 SF

UPPER FLOOR: 1017 SF

BUILDING HEIGHT 26'-6"+/-

PROTECTED: FULLY SPRINKLERED

CONSTRUCTION TYPE: BUILDING #1	IIB
BUILDING ELEMENT	REQUIRED RATI
PRIMARY STRUCTURAL FRAME	0 HRS
EXTERIOR BEARING WALLS	0 HRS
NTERIOR BEARING WALLS	0 HRS
EXTERIOR NONBEARING WALLS AND PARTITIONS	0 HRS
NTERIOR NONBEARING WALLS AND PARTITIONS	0 HRS
LOOR CONSTRUCTION & SECONDARY MEMBERS	0 HRS
ROOF CONSTRUCTION & SECONDARY MEMBERS	0 HRS
FIRE BARRIERS	1 HR

FACILITY GROSS SF AREA						
BUILDING	STORY LEVEL 1 (SF)	STORY LEVEL 2 (SF)	TOTAL AREA			
1	24,892	1,017	25,9			
TOTAL AREA	24,892	1,017	25,9			

SCOPE OF WORK

THIS PROJECT CONSISTS OF INTERIOR RENOVATION OF AN EXISTING BUISNESS USE SPACE AND CONVERSION TO A POTTERY STUDIO, TEXTILE STUDIO AND PRINTMAKING STUDIO. THE USE OF THE SPACES CHANGES FROM A (B)USE OCCUPANCY TO (F-1) AND (F-2) USE AS SHOWN ON THE LS SHEETS. THERE IS NO CHANGE TO THE EXITING EGRESS PATTERN.

THE LEVEL 2 ALTERATIONS CONSISTING OF MODIFICATIONS TO WALLS AND DOORS, RECONFIGURING THE MECHANICAL AND ELECTRICAL SYSTEMS AND NEW EQUIPMENT AND FIXTURES. THESE MODIFICATIONS ARE LIMITED TO THE WORK AREA SHOWN. THE REMAINDER OF THE BUILDING SHALL BE EXISTING TO REMAIN.

GENERAL PROVISIONS AND SPECIAL DETAILED REQUIREMENTS

Occupancy and Use

When determining the appropriate application of the referenced sections of this code, the occupancy and use of a building shall be determined in accordance with Chapter 3 of the VCC.

New and Replacement Materials

Except as otherwise required or permitted by this code, materials permitted by the applicable code for DATE DESCRIPTION new construction shall be used. Like materials shall be permitted for repairs and alterations, provided 09.01.23 PERMIT SET no hazard to life, health or property is created. Hazardous materials shall not be used where the VCC 12.15.23 BID SET would not permit their use in buildings or structures of similar occupancy, purpose and location

Accessibility

Alterations General

Alterations shall not reduce or have the effect of reducing accessibility of a facility or portion of a facility.

Alterations

A facility that is altered shall comply with the applicable provisions in this section and Chapter 11 of the VCC, except as modified by Sections 404.3 and 404.4, unless technically infeasible. Where compliance with this section is technical infeasible, the alteration shall provide access to the maximum extent technically feasible.





BUILDING - 1 DATA							
CONSTRUCTION TYPE: IIB							
FULLY SPRINKLED:	Yes; Allo	wable Area Fa	ctor "SM" per Ta	ble 506.2			
MIXED OCCUPANCY:	Yes						
NON-SEPARATED MIXED USE:	Yes			DESIGN OCCUPANC	Y CLASSIFICATION:	A-3: Assembly	/
SEPARATED MIXED USE:	No						
	Use	ed most restrei	ctive category for	r calculations A-3, B, F- ²	1 and F-2		
BUILDING HEIGHT IN FEET - TABULAI (TABLE 504.3)		BUILDING HEIGHT IN FEET (ACTUAL)	BUILDING HEIGHT NOT GREATER THAN ALLOWABLE	ALLOWABLE STORIES - TABULAR (TABLE 504.4)		STORIES ABOVE GRADE (ACTUAL)	BUILDING HEIGHT NOT GREATER THAN ALLOWAB LE
75		31	YES	3		2	YES
STORY LEVEL	STORY LEVEL AREA IN SQUARE FEET- TABULAR (TABLE 506.2)		FRONTAGE INCREASE (SF)	ALLOWABLE AREA PER STORY (SF)	BUILDING AREA PER STORY (ACTUAL SF)	ALLOWABL THAN A	E LARGER CTUAL
STORY 1 28,500		28,500	0	28,500	24,287	YES	
STORY 2	STORY 2 28,500 0		0	28,500	876	YES	
TOTAL B	UILDING	AREA		57,000	25,163	YES	
TOTAL BUILDING	AREA DE	TOTAL BUILDING AREA DETERMINATION: Two-Story; Allowable times 2					

FIRE RATED ASSEMBLIES REPRESENTED BY Xn THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN; EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ					
MARK	FIRE RATING	APPLIES TO	REFERENCE	R	
X1	1 HR OR 2 HR	PARTITIONS	UL U419		

	LIFE SAFETY SY APPLIES TO LS SERIES	MBOL LEGEND
	DESIGNATOR MATRIX	SYMBOLS
	BARRIER	1205 ROOM NUMBER
1 HR FIRE		
2 HR FIRE	11-11-11-11	EGRESS LOAD CAPACIT NUMBER OF OCCUPAN
NOTES: 1. WALL DESIG GRAPHICAL PU WALL/PARTITIC 2. REFER TO T SYMBOLS LEGI ACTUAL WALL/ 3. RATING OF F AND SECTION 6	NATIONS ON THE LS SERIES OF DRAWINGS ARE FOR RPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL ON CONSTRUCTION. HE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY END AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR PARTITION TYPES AND CONSTRUCTION REQUIREMENTS. BEARING OR NON-BEARING WALLS ARE PER TABLE 601 502.1 AND DO NOT REQUIRE PROTECTED OPENINGS.	DIRECTION OF EGRESS









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: 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 6. Not for use with Item 5A.

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 x 1-1/2 in. 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 2-9/16 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 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 studs 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 into clips KINETICS NOISE CONTROL INC - Type Isomax

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 galv 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 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PLITEQ INC — Type GENIECLIP

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 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through 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 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 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E. b. Steel Framing Members* — Used to attach resilient channels (Item 7Fa) 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

7G. 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: a. Furring Channels — Formed of No. 25 MSG galv steel. 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 6. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ga) to studs (Item 2). Clips spaced max. 48 in. OC. Clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound 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 perimeter for sound control UNITED STATES GYPSUM CO - Type AS

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 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.

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 study 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 58) 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".

12A. Lead Discs - (Not Shown, for use with Item 5H) - Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-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 QQ-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 tape if necessary.

15. 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.

(such as Canada), respectively.

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CLARKDIETRICH BUILDING SYSTEMS - Barrier Mesh, Barrier Mesh Clips

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Last Updated on 2023-11-14

5C. Gypsum Board* --- (For Use With Item 2B) --- Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical 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 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 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. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory. CGC INC — Type SCX, ULIX. THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - Type SCX UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX.

USG BORAL DRYWALL SFZ LLC - Type SCX USG MEXICO S A DE C V - Type SCX

5D. Gvpsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only. 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 and 12 in. OC in the field. NEW ENGLAND LEAD BURNING CO INC. DBA NELCO - Nelco

opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in. THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - Type SCX UNITED STATES GYPSUM CO - 5/8 in. thick Type SCX, SGX, ULIX 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, square or follows:

	Gypsum Board Protection on Each Side of Wall			
Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel		
2	1-5/8	2 layers, 1/2 in. thick		
2	1-5/8	2 layers, 5/8 in. thick		
3	1-5/8	3 layers, 1/2 in. thick		
3	1-5/8	3 layers, 5/8 in. thick		
4	1-5/8	4 layers, 5/8 in. thick		
4	1-5/8	4 lavers, 1/2 in. thick		

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, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE

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 Types IP-X3 or 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) or Lead Discs (see Item 12A). MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5. CGC INC — Type ULIX, ULX

UNITED STATES GYPSUM CO — Type ULIX, 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. 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 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 QQ-L-201f, Grade "C" RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5K. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4C) is used) — Any 5/8 in. thick. 4 ft. wide. Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-5/8 in. long steel screws spaced 8 in. OC.

5L. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4D) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in.

layer below.

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

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 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 2 hr, 3 hr and 4 hr ratings are as

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

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX 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,

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, SCX, SHX, or; 3/4 in. thick

51. Gypsum Board* — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed

6. Fasteners - (Not Shown) - For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (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. Single layer system with Type ULIX: 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or 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. Three-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., 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. Fourth 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

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, 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. 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. RESCUE METAL FRAMING, 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 in. OC max. RONDO BUILDING SERVICES PTY LTD - Rondo Lipped 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. Spaced 24 in. OC max. 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. CEMCO, LLC — Viper X

2R. Framing Members* - Steel Studs - (Not Shown - Alternate to Item 2, For use with Item 1P) - Channel shaped steel studs with attachment clips at top and bottom, min 3-5/8 in. depth, spaced a max of 24 in. OC. Studs clipped into floor and ceiling runners (Item 1P). Max 2 3/8 in. extension reveal from top of stud to inside of ceiling runner. HYPERFRAME INC- Hyperstud

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 min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item ! 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 Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

48. Fiber, Sprayed* --- (Optional, for use with Type ULIX) 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 completely fill the wall cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ). AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

4C. Foamed Plastic* ---- (Where Batts and Blankets*, Item 4, are optional, for use with Item 5K) ---- Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. CARLISLE SPRAY FOAM INSULATION - Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite

4D. Foamed Plastic* — (Where Batts and Blankets*, Item 4, are optional, for use with Item 5L) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness. BASF CORP - Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite HP+,

FE137®, FE158®, Spraytite® 158, Spraytite® SP and Spraytite® 81205 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. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. 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
4	2-1/2	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, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - 1/2 in. thick Type C and 5/8 in. thick Type SCX UNITED STATES GYPSUM CO - 1/2 in: thick Type C, IP-X2, IPC-AR or WRC; 5/8 in: thick Type SCX, SGX, SHX, ULIX, 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

 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.

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 studs 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 beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board 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 12). RAY-BAR ENGINEERING CORP — Type RB-LBG

IMPERIAL MANUFACTURING GROUP INC - Viper20TM Track VT100

OEG BUILDING MATERIALS — OEG Track

10. Framing Members* - Floor and Ceiling Runner - Not Shown - In lieu of Item 1 - For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. CEMCO, LLC — Viper X Track 1P. Framing Members* - Floor and Ceiling Runner - (Not Shown - Alternate to Item 1) - For use with Item 2R, channel shaped runners preequipped with proprietary attachment clips. Min. 3-5/8 in. wide. Legs of top runners minimum 3-1/4 in. wide. Legs of bottom runners minimum 1-1/2 in. wide. Runners attached to floor and ceiling with fasteners 24 in. OC max.

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.

HYPERFRAME INC - Hypertrack

CRACO MFG INC --- SmartStud25™

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.

OCCUPANCY SCHEDULE

SPACE		USE		FLOOR AREA		AREA		OCCUPAN	IC)
NUMBER	SPACE NAME	CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	PER OCCUPANT	SF	GROSS	NET	TABULAR	Τ
101	DYE ROOM I	F1	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	210	•		1	1
102	TEXTILES STUDIO	F1	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	826		٠	17	1
103	MANNEQUIN STORAGE	F1	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	91	•		1	1
104	FABRIC STORAGE	F1	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	115	•		1	1
105	VEST	В	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	25	•		1	1
106	THROWING STUDIO	F2	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	790		٠	16	1
107	JC	F2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	23	•		1	1
108	VEST	В	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	101	•		1	1
109	GLAZE KITCHEN	F2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	200	•		1	1
110	ELECT	F2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	11	•		1	1
111	MEMBER SHELVING	F2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	194	•		1	1
112	HAND BUILDING STUDIO	F2	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	1203		٠	25	2
112A	TOILET	В	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	50	•		1	1
113	KILN ROOM	F2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	190	•		1	1
114	GAS KILN ROOM	F2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	188	•		1	1
115	PRINT MAKING STUDIO	F1	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	878		٠	18	1
116	SILK SCREEN	F1	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	150		٠	3	3
121	VEST	В	BUSINESS AREAS	150 SF	114	•		1	1
122	DISPLAY AND RETAIL	В	BUSINESS AREAS	150 SF	401	•		3	3
124	CORRIDOR	В	BUSINESS AREAS	150 SF	223	•		2	1
124A	CORRIDOR	В	BUSINESS AREAS	150 SF	250	•		2	2
134	ELECT	В	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	104	•		1	1
136	BOILER RM	В	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	283	•		1	1

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 - Viper20nd Track VT100

11. 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.

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.

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. RESCUE METAL FRAMING, 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 fasteners spaced 24 in. OC max. 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.

2A. Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv 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.

28. Framing Members* - Steel Studs — (As an alternate to Item 2, For use with Items SC, 5I or Type ULIX) — 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 gypsum board only. CEMCO, LLC — Viper25[™]

MARINO/WARE, DIV OF WARE INDUSTRIES INC - 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. CEMCO, LLC — Viper20[™]

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper2014 IMPERIAL MANUFACTURING GROUP INC - Viper20th

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 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

2E. Framing Members* - Steel Studs - (Not Shown, As an alternate to Item 2) - For use with Items 5F or 5G or 5I or Type ULIX 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

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™

21. Framing Members* — Steel Studs —

STUDCO BUILDING SYSTEMS - CROCSTUD

2J. 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

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. EB METAL INC - NITROSTUD

UL Product iQ

Design/System/Construction/Assembly Usage Disclaimer Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials. Authorities Having Jurisdiction should be consulted before construction.

- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for
- each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances



November 14, 2023

Design Criteria and Allowable Variances

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J) * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.





1. Floor and Ceiling Runners --- (Not Shown) --- For use with Item 2 --- Channel shaped, fabricated from min 25 MSG corrosion--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 28, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. CEMCO, LLC — Viper25™ Track

CRACO MFG INC — SmartTrack25™ MARINO/WARE, DIV OF WARE INDUSTRIES INC — 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 steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. CEMCO, LLC — Viper20[™] Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20TM Track IMPERIAL MANUFACTURING GROUP INC - Viper20nd Track

1C. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — Channel shaped, 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

1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosionprotected 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.

1E. Framing Members* - Floor and Ceiling Runners - (Not Shown, As an alternate to Item 1) - For use with Items 2E, SF 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





CHEDULE AND UL ASSEMBLY



ARCHITECTURAL ABBREVIATIONS

A-PT		GWT
ABS	AIR BARRIER SYSTEM ABOVE	GYP H
ACP		НВ НВП
ACW	ALUMINUM CLAD WINDOW	HDC
ADJ AFF	ADJUSTABLE ABOVE FINISHED FLOOR	HDNR HDWD
AHJ	AUTHORITY HAVING JURISDICTION	HDWR
ALT	ALTERNATE	HORIZ
ALUM AP	ALUMINUM ACCESS PANEL	HPC HPFP
APC	ARCHITECTURAL PRECAST CONCRETE	HT
ARC	ALUMINUM STOREFRONT	ID
AUTO AVG	AUTOMATIC AVERAGE	IN INCL
AW		INFO
AWC	ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	INST INSUL
BD BE	BOARD BARRIER EREE (ADA or A117.1)	INT IRWC
BLDG	BUILDING	IWB
BLKG BOT	BLOCKING BOTTOM	JAN JCT
	BEARING	JT
BUR	BUILT-UP ROOF	L LAB
C C-TILE	CARPET CARPET TILE	LAHJ LAM
CAB	CABINET	LAV
CB CCTV	CHALKBOARD CLOSED CIRCUIT TELEVISION	LH LIN
CEM CESE-NS	CEMENT COLD FORMED STEEL FRAMING, NON-STRUCTURAL	LKR LMC
CFSF-S	COLD FORMED STELL FRAMING, STRUCTURAL	LPS
CG Cl	CORNER GUARD CONTINUOUS INSULATION	LT LVR
CIPC	CAST IN PLACE CONCRETE	LVT
CL	CLOSET	MACH
CLG CLR	CEILING CLEAR	MAS MATI
CM	CENTIMETER	MAX
CMBD CMU	CEMENT BOARD CONCRETE MASONRY UNIT	MB MCM
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL	MCP
CMU-GF CMU-GLZ	CONCRETE MASONRY UNIT - GROUND FACE CONCRETE MASONRY UNIT - GLAZED	MDO MECH
CMU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE	MED
CO COL	CLEANOUT COLUMN	MEMB MFR
		MIF
CONC-LH CONC-PMT	CONCRETE WITH LIQUID HARDENER/SEALER CONCRETE WITH PIGMENT	MIN MIR
CONC-POL	CONCRETE - POLISHED	MISC
CONC-SER	CONCRETE WITH CORE & SEAL	MO
CONST	CONSTRUCTION	MPS MR
CONTR	CONTRACTOR	MT
CORR CSMU	CORRIDOR CAST STONE MASONRY UNIT	MTD MTL
СТ	CERAMIC TILE	NA
CTSK CU FT	COUNTERSINK, COUNTERSUNK CUBIC FEET / FOOT	NIC NO.
CUST	CUSTODIAN / CUSTODIAL	NOM
CW CWFD	ALUMINUM CURTAIN WALL CEMENTITIOUS WOOD FIBER DECK	NRC NTS
D	DEPTH/DEEP	
DEMO	DOUBLE	OFCI
DETE	DETENTION DRINKING FOUNTAIN	OPNG
DG	DOOR GRILLE	OVHD
DHM DIA	DETENTION HOLLOW METAL DIAMETER	P-TILE PC
DIAG	DIAGONAL	PERF
DIM DIV	DIMENSION DIVISION	PERIM PIP
DL	DOOR LOUVER	PLAM
DN DP	DOWN DAMPPROOFING	PLAS PLWD
DR		PLYWD
DS DTL	DOWNSPOOT	PNL POLY
DWG	DRAWING	PPS PPT
EA	EACH	PR
EF EFS	EXHAUST FAN EXTERIOR FINISH SYSTEM	PREFAB PREFIN
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	PREP
EJ EL	EXPANSION JOINT ELEVATION	PS PSB
ELAS	ELASTOMERIC	PSF
ELEC ELEV	ELECTRICAL	PSI PT
EMER		PTN pts
EPX	EPOXY	PVC
EQ EQUIP	EQUAL EQUIPMENT	PVMT PVWC
ETR	EXISTING TO REMAIN	QSM
EVVC EX	ELECTRIC WATER COULER EXISTING	u। QTY
EXH	EXHAUST	R R///
EXPC	EXPOSED CONSTRUCTION	RAD
EXT FAAF	EXTERIOR FLUID APPLIED ATHLETIC FI OORING	RAF RB
FD	FLOOR DRAIN	RCP
FDN FE	FOUNDATION FIRE EXTINGUISHER	RD REFG
FEB	FIRE EXTINGUISHER BRACKET	REINF
FEC FF	FIRE EATINGUISHER GABINET FINISHED FLOOR	ĸ⊨M REQ'D
FGL	FIBERGLASS	RES
FHC	FIRE HOSE CABINET	RH
FHVC FIN	FIRE HOSE VALVE CABINET FINISHED	RL RM
FLR	FLOOR	RO
гцк <u>G</u> FO	FACE OF	KSF RSR
FRM	FRAME	RST RT
FRT	FIRE RETARDANT TREATED	RTU
FT FTG	FOOT, FEET FOOTING	SAB SC-PI K
FURN	FURNITURE	SC-PNL
FVC FWC	FIRE VALVE CABINET FABRIC WALL COVERING	SCH SF
GA	GAUGE	SFRM
gal Galv	GALLON GALVANIZED	SHM SHTG
GB		SIM
GB-IR	GTPSUM BUARD - ABUSE RESISTANT GYPSUM BOARD - IMPACT RESISTANT	SPEC SPF
GB-S	GYPSUM BOARD - SECURITY	SPR
GFRG	GLASS FIBER REINFORCED GUNCRETE GLASS FIBER REINFORCED GYPSUM	SQ FT
GL GL-RI K	GLASS, GLAZING GLASS BLOCK	SRD
GPM	GALLONS PER MINUTE	SSM
GRT GSFT	GROUT GLAZED STRUCTURAL FACING THE	ST STC
GT	GLASS TILE	STD
		STL STRUCT
		SUSP

GYPSUM
HARDBOARD
HARDWOOD
HORIZONTAL
HIGH PERFORMANCE COATINGS
HEIGHT
HEATING, VENTILATING, AIR CONDITIONING
INCH, INCHES
INCLUDE, INCLUDING
INSTALLATION
IMPACT RESISTANT WALL COVERING
INTERACTIVE WHITE BOARD
JUNCTION
LABORATORY
LOCAL AUTHORITY HAVING JURISDICTION
LAVATORY
LOCKER
LINEAR METAL CEILING LAMINATE PANEL SYSTEM
LIGHT
LOUVER LUXURY VINYL TILE
METER
MACHINE MASONRY
MATERIAL
MAXIMUM MARKERBOARD
METAL COMPOSITE MATERIAL
METAL CEILING PANEL MEDIUM DENSITY OVERLAY
MECHANICAL
MEDIUM MEMBRANE
MULTICOLOR INTERIOR FINISHING
MIRROR
MISCELLANEOUS MOLDING
MASONRY OPENING
MANUAL PROJECTION SCREEN MAP RAIL
MOUNT
MOUNTED METAL
NOT APPLICABLE
NUMBER
NOISE REDUCTION COEFFICIENT NOT TO SCALE
OUTSIDE DIAMETER OWNER FURNISHED CONTRACTOR INSTALLED
OPENING
OPPOSITE HAND OVERHEAD
PORCELAIN TILE
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S)
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE INCH DAINT
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION PNEUMATIC TUBE SYSTEM POLYMING CHILORIDE
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFABRICATED PREFABRICATED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION PNEUMATIC TUBE SYSTEM POLYVINYL CHLORIDE PAVEMENT
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTER PLASTER PLASTER PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFABRICATED PREFABRICATED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION PNEUMATIC TUBE SYSTEM POLYVINYL CHLORIDE PAVEMENT PERFORATED VINYL WALL COVERING OUNDET SUBEACING MATERIAL
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE INCH PAINT PARTITION PNEUMATIC TUBE SYSTEM POLYVINYL CHLORIDE PAVEMENT PERFORATED VINYL WALL COVERING QUARTZ SURFACING MATERIAL QUARRY TILE
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PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE PLASTE PLASTIC LAMINATE WOOD PLYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFABRICATED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT POUNDS PER SQUARE FOOT POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION PNEUMATIC TUBE SYSTEM POLYVINYL CHLORIDE PAVEMENT PERFORATED VINYL WALL COVERING QUARTZ SURFACING MATERIAL QUARY TILE QUANTITY RISER, RADIUS RIGHT OF WAY RADIUS RESILIENT ATHLETIC FLOORING RESILIENT SAIR RENC REFLECTED CEILING PLAN ROOF DRAIN REFRIGERATOR REINFORCING, REINFORCE(D) RECESSED ENTRY MAT REQUIRED RESINOUS FLOOR TILE RIGHT HAND RAIN LEADER ROOM ROUGH OPENING RUBBER FLOOR TILE RIGHT HAND RESILIENT STAIR RISER RESULIENT STAIR RISER RESULIEN
PORCELAIN TILE PRECAST PERFORATED, PERFORATION(S) PERIMETER POURED IN PLACE PLASTIC LAMINATE WOOD PLAYWOOD PANEL, PANELING POLYETHYLENE POWER PROJECTION SCREEN PRESSURE- OR PRESERVATIVE-TREATED PAIR PREFABRICATED PREFINISHED PREPARE / PREPARATION PROJECTION SCREEN PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PARTITION PNEUMATIC TUBE SYSTEM POLYVINYL CHLORIDE PAVEMENT PERFORATED VINYL WALL COVERING QUARTZ SURFACING MATERIAL QUARRY TILE QUANTITY RISER, RADIUS RIGHT OF WAY RADIUS RESILIENT ATHLETIC FLOORING RESILIENT BASE REFLECTED CEILING PLAN ROOF DRAIN REFRIGERATOR REINFORCING, REINFORCE(D) RECESSED ENTRY MAT REOURDS RUBBER FLOOR TILE RIGHT HAND RAIN LEADER ROOM ROUGH OPENING RUBBER SHEET FLOORING RESILIENT STAIR RISER RESILENT STAIR RISER RESILE
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V	SHEET VINYL
WM	SECURITY WOVEN MESH / V
YM	SYMMETRICAL
	TREAD
&G	TONGUE & GROOVE
.0.	TOP OF
В	TACKBOARD
CF	TEXTILE COMPOSITE FLOOP
EL	TELEPHONE
ERR-C	TERRAZZO CEMENTITIOUS
ERR-E	TERRAZZO EPOXY
ERR-R	TERRAZZO RUBBERIZED
HHD	THRESHOLD
HK	THICKNESS, THICK
OS	TOP OF STEEL
OW	TOP OF WALL
S	TACK STRIP
V	TELEVISION
YP	TYPICAL
C	UNDERCUT
G	UNDERGROUND
Η	UNIT HEATER
NO	UNLESS NOTED (INDICATED
AT	VINYL ASBESTOS TILE
В	VAPOR BARRIER
СТ	VINYL COMPOSITION TILE
DB	VISUAL DISPLAY BOARD
ERT	VERTICAL
EST	VESTIBULE
FCT	VINYL FREE COMPOSITION
FWC	VINYL FREE WALLCOVERING
ΊF	VERIFY IN FIELD
R	VAPOR RETARDER
Т	VINYL TILE
TR	VENT THROUGH ROOF
WC	VINYL WALL COVERING
V	WIDE, WIDTH
//	WITH
//O	WITHOUT
VC	WATER CLOSET
VCP	WOOD CEILING PANEL
/D	WOOD
/DW	WINDOW
M	WALKOFF MAT
/P	WATERPROOFING
/PT	WORKING POINT
/SCT	WAINSCOT
/SF	WOOD SPORTS FLOORING
νT	WEIGHT
WF	WELDED WIRE FABRIC
PS	EXTRUDED POLYSTYRENE



ARCHITECTURAL GENERAL NOTES	ARCHITECTURAL MATERIALS LEG
A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A	EARTH RIGID INSU
CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.	POROUS FILL BATT INSU
B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULTS (e.g., SIZES, THICKNESS, SPACING, MATERIALS) IN THE	CONCRETE SPRAYED FOAM
SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.	FACE BRICK WOOD SH
C. ELEMENTS IDENTIFIED IN "LEGENDS" AND/OR "GENERAL NOTES" MAY NOT BE NOTED IN DETAILS, OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGENDS (e.g. FACE BRICK, CMU, WINDOWS)	WOOD BLOCK CONTINUE
D. REFER TO "ASSEMBLIES" FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g., EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES). ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED	CONCRETE MASONRY UNIT
ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATION WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN OR NOT.	
E. VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.	CAST UNITS WHERE CORE HOLES WOULD BE VISIBLE WITHIN FINISH SPACE (E.G., WINDOW SILLS)
F. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL EQUIPMENT INDICATED TO BE MOUNTED OR OTHERWISE REQUIRED TO BE MOUNTED TO THE FLOOR. WHERE BADS ARE NOT SHOWN, PROVIDE 6" THICK CONCRETE PADS W/ 3/4" CHAMEEPED	ARCHITECTURAL PRECAST CONCRETE STONE
EDGES (ALL SIDES). REINFORCE WITH MESH EQUIVALENT TO FLOOR SLAB REINFORCING REQUIREMENTS.	CAST STONE



OLYURETHANE OAM VOOD SHIM

WOOD BLOCKING -CONTINUOUS INISHED WOOD

GYPSUM BOARD / SHEATHING

GENERAL ARCHITECTURAL INFORMATION

PROJECT NO: 624801 DATE: DECEMBER 15, 2023

REVISIONS

DATE DESCRIPTION

12.15.23 BID SET



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WALL/PARTITION TYPE GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.

C. ALL INTERIOR CFSF PANEL PARTITIONS: P5 UNLESS INDICATED OTHERWISE. D. REFER TO STRUCTURAL DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND

REINFORCEMENT REQUIREMENTS INCLUDING BUT MAY NOT BE LIMITED TO:

 MASONRY WALLS/PARTITIONS LINTELS

 LINTEL BEARING CONDITIONS BOND BEAMS

 SHELF BEARING CONDITIONS STRUCTURAL REINFORCING REQUIREMENTS CHANGES IN WYTHE

E. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS. F. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASEMENT OR SOLID CAP ABOVE.

 SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.

TERMINATION GENERAL NOTES

A. AT FIRE-, SMOKE-, AND ACOUSTICALLY RATED WALLS: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.

B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/CAP: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES). BRACE WALL AS INDICATED OR REQUIRED. C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY

OBSTRUCTIONS, COMPLY WITH THE FOLLOWING: AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. • AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS. • AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE. • SEAL ENCASEMENT TO WALL AND SEAL ENCASEMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE: • EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.

- I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.
- J. SEAL AROUND ALL PENETRATIONS.
- K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.
- L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
- M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED. IF NOT OTHERWISE INDICATED, PROVIDE **P2** CHASE CONSTRUCTION.
- HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES. EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.
- N. PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION		
P1		IMPACT RESISTANT GB TO 8'-0" AFF	2 1/2" CFSF-S		
P2		IMPACT RESISTANT GB TO 8'-0" AFF	4 1/4" 3 5/8" CFSF-S 5/8" GYPSUM BOARD		
P3		IMPACT RESISTANT GB TO 8'-0" AFF	4 7/8" 3 5/8" CFSF-S 5/8" GYPSUM BOARD		
P4		IMPACT RESISTANT GB TO 8'-0" AFF	6 5/8" 5/8" GYPSUM BOAR 6" CFSF-S		
P5		IMPACT RESISTANT GB TO 8'-0" AFF	7 1/4" 5/8" GYPSUM BOAR 6" CFSF-S SOUND ATTENUATION BAT		
P5-1	X1	1HR IMPACT RESISTANT GB TO 8'-0" AFF	SOUND ATTENUATION BATTS 6" CFSF-S 5/8" GYPSUM BOARD		
P5-2	X1	2HR IMPACT RESISTANT GB TO 8'-0" AFF	8 1/2" SOUND ATTENUATION BATTS 6" CFSF-S 5/8" GYPSUM BOARD		
P6		IMPACT RESISTANT GB TO 8'-0" AFF	5/8" GYPSUM BOAR 8" CFSF-S SOUND ATTENUATION BAT		
P7		IMPACT RESISTANT GB TO 8'-0" AFF	5/8" GYPSUM BOARD 7/8" FURRING FACE OF EXISTING WALL		



WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS

REVISIONS DATE DESCRIPTION 12.15.23 BID SET

FACILITIE 3700 S. F **N** PROJECT NO: 624801 DATE: DECEMBER 15, 2023

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	DEMOLITION PLAN LEGEND APPLIES TO DRAWINGS A1.2.1 - A1.2.n
	EXISTING PARTITION/ WALL/ ITEM TO REMAIN
	REMOVE EXISTING PARTITION/WALL/ITEM
	Image: Second state of the second s
	REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
	REMOVE EXISTING PLUMBING FIXTURE. REFER TO
	REMOVE VCT FLOORING AND RUBBER BASE
	REMOVE CARPET AND WOOD AND/OR RUBBER BASE
	REMOVE CONCRETE REFER TO STRUCTURAL AND PLUMBING
	DEMOLITION PLAN GENERAL NOTES
A.	DEMOLITION PLANS ARE PROVIDED AS AN ASSISTANCE TO CONTR BIDDING EFFORTS AND AS A GENERAL GUIDE TO THE DEMO WORK. DEMO PLANS ARE NOT INTENDED TO CONTAIN A COMPLETE DESCRIPTION OF ALL MATERIALS TO BE REMOVED. CHANGE ORDERS FOR DEMOLITION WORK (WHETHER SHOWN OR NOT) SHALL NOT BE APPROVED WHERE DEMOLITION IS REQUIRED BY THE WORK.
В.	PATCH AND REPAIR PARTITIONS, FLOORS OR CEILINGS WHERE EXISTING FINISHES ARE DISTURBED OR INTERRUPTED DUE TO REMOVAL OF EXISTING CONTIGUOUS PARTITIONS, DOORS, WINDOWS, CASEWORK OR MECHANICAL, ELECTRICAL OR PLUMBING FIXTURE OR DEVICE, TO PROVIDE A SMOOTH MONOLITHIC FINISH TO MATCH ADJACENT SURFACE. COORDINATE WITH ELECTRICAL, PLUMBING, MECHANICAL AND STRUCTURAL DRAWINGS.
C.	EXISTING CONSTRUCTION TO REMAIN SHALL BE PROTECTED FROM DAMAGE FOR DURATION OF CONSTRUCTION. CONTR SHALL REPAIR/ REMOVE EXISTING CONSTRUCTION WHICH IS DAMAGED DURING COURSE OF CONSTRUCTION, AS COMPONENT OF BASE CONTRACT.
D.	THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL ON ALL SALVAGED ITEMS.
E.	"READY TO RECEIVE NEW FINISHES" SHALL REFER TO SURFACES WHICH ARE FREE OF DEFECTS; SMOOTH, FLAT SURFACES. AS A COMPONENT OF THE BASE BID, CONTRACTOR SHALL SCRAPE AND/OR LEVEL/FILL SLABS AND SURFACES WITH SELF LEVELING UNDERLAYMENT, GROUT, AND SAND / SKIM-COAT GYPSUM BD WALLS AS REQUIRED TO PRODUCE THIS RESULT.
F.	DO NOT PERFORM DEMOLITION BEYOND THE SCOPE REQUIRED BY WORK. CONTR SHALL COORDINATE SUCH EFFORTS PRIOR TO START OF CONSTRUCTION AND MAINTAIN ACTIVE COORDINATION OF DEMOLITION AND WORK DURING CONSTRUCTION.
G.	REFERENCE STRUCT, ELEC, PLUMB, AND MECH. PLANS FOR ADDITIONAL DEMOLITION INFORMATION.
H.	REFER TO DEMOLITION PLAN LEGEND FOR STANDARD INDICATIONS.
I.	SURVEY THE WORK PRIOR TO DEMOLITION ACTIVITY AND PERFORM CORRECTIVE MEASURES AS NECESSARY TO ENSURE INTEGRITY OF FIRE PROTECTION SYSTEMS.
J.	ALL EXISTING DAMAGED DRYWALL SURFACES SHALL BE REMOVED AND/OR REPAIRED TO PROVIDE SMOOTH, MONOLITHIC SURFACE READY TO RECEIVE THE REQUIRED FINISHES. JOINTS SHALL BE FINISHED SMOOTH AND FLAT.
K.	REMOVE ALL MASTICS, ADHESIVES AND GROUTS FROM ALL SUBSTRATES FOLLOWING REMOVAL OF FINISHES. CLEAN SUBSTRATE BY WHATEVER MEANS NECESSARY TO PROVIDE SMOOTH, FLAT SURFACE READY TO RECEIVE THE REQUIRED FINISHES.
L.	SALVAGE ALL EXISTING INTERIOR SIGNAGE. COORD. WITH DEMO AND WORK PLANS AND BUILDING OWNER WHICH SIGNS TO REMAIN AND WHICH ONES SHALL BE RELOCATED. TAG THE BACK OF ALL REMOVED SIGNAGE W/ PRIOR LOCATION TO ASSIST W/ REINSTALLATION.
M.	AT ALL EXISTING WALLS TO RECEIVE ELECTRICAL RECEPTACLE, DEVICES, OUTLETS, CARD READERS, ETC CMU, GLAZED BLOCK AND GYP BD SHALL BE CUT TO ACCOMMODATE ITEM. PATCH & REPAIR WALL AS REQUIRED TO RECEIVE THE REQUIRED FINISHES. AT MASONRY - NO NEW WIRE MOLDS SHALL BE ADDED.
N.	COORDINATE EXTENT OF SELECTIVE DEMOLITION WITH THE WORK IN ALL CASES.
0.	ALL DEVICES, FIXTURES, RECEPTACLES, SWITCHES, AND CONTROLS TO REMAIN SHALL BE RESET FLUSH WITH THE REQUIRED FINISH. COORDINATE WITH MECHANICAL, ELECTRAICAL AND PLUMBING DRAWINGS AND THIS PLAN. REPLACEMENT OF DEVICES AND FACEPLATES SHALL BE REQUIRED IN ALL CASES.
P.	REMOVE FLOORING. REMOVE ALL MASTICS, ADHESIVES AND GROUTS FROM CONCRETE SLAB AS NECESSARY TO PROVIDE SMOOTH, FLAT SURFACE READY TO RECEIVE THE REQUIRED FINISHES

DEMOLITION KEYNOTE

- D1 REMOVE VCT FLOORING, RUBBER BASE, MASTIC/ADHESIVES AND PREPARE SUBSTRATE TO RECEIVE NEW WORK. COORDINTATE WITH FINISH SCHEDULE.
- D2 REMOVE FLOOR MAT, RUBBER BASE, MASTIC/ADHESIVES AND THRESHOLD. PREPARE SUBSTRATE TO RECEIVE NEW WORK. COORDINTATE WITH FINISH SCHEDULE.
- D3 REMOVE CARPET, BASE, ADHESIVES AND FASTENING DEVICES AND PREPARE SUBSTRATE TO RECEIVE NEW WORK. COORDINATE WITH FINISH SCHEDULE.
- D4 REMOVE GYP WALL, INCLUDING ALL DOORS, WINDOWS AND FRAMES WITHIN WALL AND ALL ITEMS ATTACHED TO THE WALL TO THE EXTENTS SHOWN ON THE DRAWINGS AND PREP FOR WORK.
- D5 REMOVE ALL TOILET FIXTURES AND ACCESSORIES IN THIS TOILET ROOM
- D6 REMOVE ALL CEILING PANELS, ASSOCIATED CEILING GRID, LIGHTS, DIFFUSERS AND ANY OTHER EQUIPIPMENT MOUNTED TO THE PANELS AND OR GRID. COORDINATE WITH NEW WORK AND MEP DRAWINGS
- D7 REMOVE DAMAGED CEILING TILES AND PREP FOR WORK
- D8 PROVIDE OPENING FOR SOLAR VAULT IN ROOF AND DECK ABOVE. COORDINATE EXACT LOCATION WITH STRUCTURE, CENTER BETWEEN STRUCURAL BEAMS. DEMOLISH AREA ONLY AS REQUIRED FOR INSTALLATION OF SOLAR VAULT. PATCH ROOFING AS REQUIRED FOR MAINTAINING WARRANTY.
- D9 REMOVE STOREFRONT AND ASSOCIATED FASTENERS, PATCH HOLES AND PREP FOR WORK.
- D10 SAWCUT AND REMOVE THE EXISTING FLOOR AT THIS LOCATION TO ACCOMMODATE WORK, DO NOT UNDERMINE EXISTING FOUNDATIONS. REFER TO STRUCTURAL AND PLUMBING DRAWINGS FOR EXTENTS OF DEMOLITION REQUIRED.
- D11 REMOVE DOOR AND FRAME PREP FOR NEW INFILL WALL.
- D12 NON STRUCTURAL WALL, SAWCUT AND REMOVE GYP AND MASONRY WALL FULL HEIGHT INCLUDING ALL DOORS, WINDOWS AND FRAMES WITHIN WALL AND ALL ITEMS ATTACHED TO THE WALL TO THE EXTENTS SHOWN ON THE DRAWINGS. PATCH HOLES IN FLOORS/WALLS TO REMAIN AND PREP FOR NEW WORK.
- D13 REMOVE FILM FROM INTERIOR PANE OF GLAZING AND PREP FOR WORK.
- D14 REMOVE DOOR, FRAME AND OPENING TO EXTENTS SHOWN PREP FOR WORK. D15 REMOVE MARBLE THRESHOLD





DEMOLITION PLAN

A1.2.0

DEMOLITION FIRST FLOOR REFLECTED CEILING PLAN 1/8" = 1'-0"





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DEMOLITION **REFLECTED CEILING** PLAN









A2.1.0





FLOOR PLAN KEYNOTES

	APPLIES TO DRAWINGS A2.1.0 - A2.1.1	
		╺┥╠
1	CONCRETE FLOOR SLAB INFILL - REFER TO STRUCTURAL DETAIL ON SHEET S1.1	F
		F
2	INFILL WALL OPENING WITH GYP PARTITION MATCH EXISTING THICKNESS, 2 1/2" CFSF-S WITH ONE LAYER 1/2" IMPACT RESISTANT GYP EACH SIDE.	F
		F
3	CONE 6 GLAZE LOCATION FOR ELECTRIC KILN GLAZES	F
		F
4	CONE 10 GLAZE LOCATION FOR GAS KILN GLAZES	F
		F
5	PARTITION TYPE P-7 BELOW COUNTER - REFER TO SECTION 8/A8.1.2	F
		F
6	SEMI-RECESSED 2 1/2" FIRE EXTINGUISHER CABINET	F
7	PROVIDE NAME PLATE PER VFC 2018, 3007	F
		E

	FURNITURE LEGEND (NIC)	
Type Mark	Description	Count
-01	METAL SHELVING36"W X 24"D X 72"H	6
-02	Valido - Double Pedestal Desk - 66"W x 30"D x 29 1/2"H, Rectangle Top, 3/2	3
-03	LATERAL FILE CABINET - 5 DRAWER	1
-04	MOBILE METAL SHELVING 48"W X 24"D X 72"H	2
-05	METAL SHELVING36"W X 24"D X 72"H	2
-06	METAL SHELVING 48"W X 24"D	3
-07	COPIER	1
-08	GLASS DISPLAY CABINET	2
-09	GUEST CHAIR WITH ARMS	2
-10	OFFICE CHAIR	3
-11	LOUNGE CHAIR	2
-12	SIDE TABLE	1
-13	STACKING CHAIR WITHOUT ARMS	7
-14	PEDESTAL TABLE 36"X36"X30"H	2
-15	HON - Flagship - Lateral File with Storage - Lateral Files with Open Shelves, No Doors	2
-16	FLAT PANEL DISPLAY MONITOR AND WALL MOUNT	1
-17	CRENDENZA 8" X 14"	1
-18	DISPLAY TABLES	2
-19	OPTO INTERNATIONAL DISPLAY SHELVING SYSTEM - REVEAL COLLECTION	1
-21	POTTERY STOOL	15
-22	TABLE HEIGHT STOOL	32
-23	STACKING CHAIR WITHOUT ARMS - STUDIOS	18
-24	PICNIC TABLE	1
-25	ADA WORK TABLE W/GLASS TOP 48"X36"X30"H	1

EQUIPMENT LEGEND					
tem #	Description				
11					
12	5 DRAWER FLAT FILE 53 X 42 X 24				
3	ADA FUME HOOD W/ CEILING ENCLOSURE				
)4	ACID STORAGE CABINET- 22 GA				
5	POWER WASHING BOOTH				
6	SPRAY BOOTH				
)7	GAS KILN				
8	LARGE COMMERCIAL SINK W/ NO BASE				
9	POTTERY WHEEL SHELF				
0	POTTERY WHEEL				
1	BLEED BOX				
2	AED				
5	LATERAL FILE - 5 DRAWER (42"W X 19 1⁄4"D X 67"H)				
6	TOP LOAD WASHER				
7	UTILITY SINK				
8	FLAMMABLE STORAGE CABINET 24 GA				
9	DYE VAT KETTLE				
20	DISPLAY CASE - DOUBLE SIDED 60" W x 79.5" H				
21	AIR FILL RATION SYSTEM SUSPENDED AT 7'-0" AFF				
22	FRONT LOAD DRYER				

FRONT LOAD WASHER

]
R-22 R-22	E-02(UNDERNEATH R-06B)
	R-01 R-03 R-06B R-06C R-06A R-06E PRINT MAKING 19 PRINT MAKING 115
A8.1.1 C-05 R-09 A8.1.1	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $
-06 -06	
	$\begin{array}{c} + R \cdot 17 + E = 04 + R \cdot 16 E - 18 \\ E - 05 \\ 19 \end{array}$
C-01	
	24 23 25 A8.1.1 VEST 121
	A8.1.1
	F-18 F-09
	ELECI 134 48.1.1
	ST 133
	DATA 135 BOILER RM 136
STOR 138	
	MEETING 139
OFFICE CL 140	
298	
OFFICE	OFFICE 143
	OFFICE 144

E-22

E-23

ltem #	Description	Count	Comr ents
R-01	HOTPLATE	1	1
R-02	POTTERY WHEEL	8	1
R-03 R-04	CHARLES BRAND PRESS	1	2
R-05A	GRAY 4-TIER LOCKER (PRINTMAKING)	3	1
R-05B	GRAY 4-TIER LOCKER (POTTERY)	1	1
R-06A	FLAT FILE 46 X 35	2	1
-06B	FLAT FILE 53 X 41.5	1	1
(-06C 2-06D	FLAT FILE 41 X 28.5	1	1
-06E	FLAT FILE 46 X 35	2	1
-07	REMBRANT PRESS	1	2
-08	LIGHT TABLE	1	1
-09	METAL TABLE W/ UNDER SHELVING	1	1
-10	WOOD STORAGE CABINET W/ SHELVES & 3' D GLASS TOP	1	1
-11	METAL STORAGE BASE CAB WORK TABLE W/ WOOD	2	1
	ТОР		
-13	WORK TABLE	5	1
-14	GRAY METAL BASE CABINETS W/ 10' W GLASS TOP	1	1
-15 -16	PAPER SOAK STATION	2	1
-17	ACID BATH	1	1
-18A	PAPER CUTTER 25 X 32	1	1
-18B	PAPER CUTTER 26 X 27	1	1
-18C	PAPER CUTTER 31 X 42	1	1
-19 -214		1	1
-21A	MOBILE DRYING RACK 30 X 60	1	1
-22	36" X 84" GRAY METAL BASE TABLE & GLASS TOP	2	1
-23	METAL FOLDING TABLE (3' X 6')	2	1
-24	METAL GENERIC TABLE (3' X 5')	2	1
-25	PUG MILL	1	1
26 27	METAL/WOOD 9 SHELVES - 36" W X 75" H X 24" D	1 ว	1
2-28	SLAB ROLLER - BRENT	1	1
-29	GRAY LOW METAL SHELVING 37" X 18"	1	1
-30	ELECTRIC KILN - SMALL	1	3
-31	ELECTRIC KILN - TALL	2	3
-32	ELECTRIC KILN - WIDE	1	3
-33		1	1
-34 R-35	BLACK METAL CABINET (3' X 18'' X 6')	J 1	1
R-36	BROWN METAL CABINET (3' X 18" X 6')	2	1
R-37	STEAM PRESS	1	1
8-39	SLAB ROLLER - NORTHSTAR	1	1
R-40	GRAY METAL SHELVING (3' X 16" X 71")	1	1
(-41 2-42	WORK TABLE (60" X 36") METAL AND WOOD SHELVING (74" W X 72" H)	1	1
R-42	PLASTER TOP TABLE (39" W X 23" D)	1	1
8-44	WORK TABLE (60" X 30")	1	1
R-45	ADA POTTERY WHEEL	1	1
R-46	DRYING CABINET W/ HEAT LAMPS	1	1
-47	STORAGE)	1	1
-48	GLAZE BUCKETS (ELECTRIC)	18	1
-49	GLAZE BUCKETS (GAS)	16	1
2-50	PLASTER TOP TABLE (WEDGING) DARK CLAY	1	1
-51	PLASTER TOP TABLE (WEDGING) LIGHT CLAY	1	1
-52	MOBILE PLASTER WORKSURFACE (ADA) AND TABLE	1	1
-53	GRINDER	1	1
-54	TABLE UNDER PUG MILL	1	1
2-55	GRAY METAL TABLE W/ ATTACHED HUTCH	1	1
-56	GRAY METAL SHELVING (3' X 2' X 6')	10	1
	OTEEL SINK AND DYE VAT	1	ა 1
-60	MOBILE HANGING RACK POLE	1	1
-61	BROWN LATERAL FILE - 5 DRAWER (42"W X 19 1/4"D	1	1
		4	
-02	FLAMMABLE STURAGE CABINET 12 GA (23" X 35" X 18")	1	1
-63	, TAN METAL CABINET (3'- 0" X 2'-0" X 5'- 0") -TEXTILES	1	1
-64	SEWING WORK TABLE (3'-0" X 8-3")	2	1
-65	TABLE (4'-0" X 8'-2")	1	1
-66 67		1	1
-07	BROWN WOOD CARINETS FOR SEWING MACHINES	2	1
-69	MOBILE MIRROR (27.5" X 73")	- 1	1
-70	SEWING MACHINE WITH TABLE (1'-8" X 4'-2")	2	1
-71	IRONING BOARD	1	1
-73	REFRIGERATOR (2'-6"D X 2'-3"W)	1	1
-/4 _75		1	1
-76		1	1
-77	BLACK METAL SHELVING (3' X 2' X 6')	1	1
-78	GRAY METAL STORAGE CABINET (3' X 2' X 6')	1	1
-81	MOBILE METAL STORAGE RACK	1	1
-82	MANNEQUINS	1	1
-83		4	1
-ŏ4 -85	LATERAL FILE - 4 DRAWER (15"W X 25"D X 52'H)	3 1	1
00			י ן
1 EVICTINO			

CASEWORK AND EQUIPMENT GENERAL
 A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S): 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES OCCURS 2'-1" DEEP SOLID SURFACE COUNTERTOP BACKSPLASHES: 2" OR 4" HIGH AT ALL SIDES AND BACK (SEE ELEVATION
 B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S): 2'-0" DEEP NOMINAL TOE KICKS: 4" HIGH AND 3" DEEP 1 SINK LOCATION: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FREE ACCESS
C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):

- _ (0). • 1'-0 1/2" DEEP NOMINAL 2'-6" HIGH
- TOP AT 7'-0" AFF MINIMUM 11" CLEAR INTERIOR DEPTH
- D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
- E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
- F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
- G. LOCKS: ALL BASE AND WALL CABINETS. KEYED PER ROOM UNLESS INDICATED OTHERWISE.
- H. UNLESS INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWORK TO BE PLAM-1. I. ITEMS SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEMS SHOWN
- SOLID ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" PREFIX AND CONTRACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN "E" PREFIX.

A2.1.1

L NOTES

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) FOR BARRIER

RE	LOCATED EQUIPMENT LEG	END (E	X
ltem #	Description	Count	
R-01	HOTPLATE	1	3
R-02	POTTERY WHEEL	8	3
R-03	GRAY METAL BOOKSHELF	1	1
R-05A	GRAY 4-TIER LOCKER (PRINTMAKING)	3	1
R-05B	GRAY 4-TIER LOCKER (POTTERY)	1	1
R-06A	FLAT FILE 46 X 35	2	╞
R-06C	FLAT FILE 41 X 28.5	1	F
R-06D	FLAT FILE 40 X 28	2	
R-06E R-07	FLAT FILE 46 X 35 REMBRANT PRESS	2	1
R-08	LIGHT TABLE	1	1
R-09	METAL TABLE W/ UNDER SHELVING	1	1
R-10 R-11	TOP FOLDING TABLE	2)
R-12	METAL STORAGE BASE CAB WORK TABLE W/ WOOD TOP	1	1
R-13 R-14	GRAY METAL BASE CABINETS W/ 10' W GLASS TOP	5	1
R-15	MINI REFRIGERATOR	1	
R-16	PAPER SOAK STATION	1	1
R-17 R-18A	PAPER CUTTER 25 X 32	1	-
R-18B	PAPER CUTTER 26 X 27	1	
R-18C	PAPER CUTTER 31 X 42	1	1
R-19 R-21A	MOBILE DRYING RACK 27 X 26	1	1
R-21B	MOBILE DRYING RACK 30 X 60	1	1
R-22	36" X 84" GRAY METAL BASE TABLE & GLASS TOP	2	1
R-23 R-24	METAL FOLDING TABLE (3 X 6) METAL GENERIC TABLE (3' X 5')	2	1
R-25	PUG MILL	1	1
R-26	METAL/WOOD 9 SHELVES - 36" W X 75" H X 24" D	1	1
R-27 R-28	GRAY METAL SHELVING (48" X 24" X 67")	2	1
R-29	GRAY LOW METAL SHELVING 37" X 18"	1	1
R-30	ELECTRIC KILN - SMALL	1	
R-31 R-32		2	2
R-33	GLAZE FORMULATING TABLE	1	2
R-34	TAN METAL SHELVING (3' W X 2' D X ' H)	5	1
R-35 R-36	BLACK METAL CABINET (3' X 18" X 6') BROWN METAL CABINET (3' X 18" X 6')	1	1
R-37	STEAM PRESS	1	f
R-39	SLAB ROLLER - NORTHSTAR	1	2
R-40 R-41	GRAY METAL SHELVING (3' X 16" X 71") WORK TABLE (60" X 36")	1	1
R-42	METAL AND WOOD SHELVING (74" W X 72" H)	1	1
R-43	PLASTER TOP TABLE (39" W X 23" D)	1	1
R-44 R-45	WORK TABLE (60" X 30")	1	1
R-46	DRYING CABINET W/ HEAT LAMPS	1	1
R-47	PLASTER TABLE NEXT TO PUG MILL (HAS UNDER	1	1
R-50	PLASTER TOP TABLE (WEDGING) DARK CLAY	1	1
R-51	PLASTER TOP TABLE (WEDGING) LIGHT CLAY	1	1
R-52	MOBILE PLASTER WORKSURFACE (ADA) AND TABLE BELOW	1	1
R-53 R-54	TABLE UNDER PUG MILL	1	1
R-55	GRAY METAL TABLE W/ ATTACHED HUTCH	1	1
R-56	GRAY METAL SHELVING (3' X 2' X 6')	10	1
R-57 R-58	STEEL SINK AND DYE VAT	1	1
R-59	MOBILE METAL STORAGE RACK (5'-0"X 6'-6")	1	1
R-60		1	1
R-62	KOWN LATERAL FILE - 5 DRAWER (42 W X 19 1/4 D X 67"H) FLAMMABLE STORAGE CABINET 12 GA (23" X 35" X	1	1
D 00		1	Ļ
R-63 R-64	SEWING WORK TABLE (3-0" X 2-0" X 3-0") -TEXTILES	2	1
R-65	TABLE (4'-0" X 8'-2")	1	1
R-66	WORK TABLE (7'-7" X 4'-7")	1	1
R-67 R-68	IRON TABLE (NIC) (3-4" X 4"-4") BROWN WOOD CABINETS FOR SEWING MACHINES	1	1
R-69	MOBILE MIRROR (27.5" X 73")	1	1
R-70	SEWING MACHINE WITH TABLE (1'-8" X 4'-2")	2	1
R-73	REFRIGERATOR (2'-6"D X 2'-3"W)	1	1
R-74	TAN METAL CABINET (3' X 2' X 78")	1	1
R-75	GRAY METAL/WOOD SHELVING (3' X 18" X 6")	1	1
R-76 R-77	GRAY METAL/WOOD SHELVING (3' X 2' X 5') BLACK METAL SHELVING (3' X 2' X 5')	1	1
R-78	GRAY METAL STORAGE CABINET (3' X 2' X 6')	1	1
R-81	MOBILE METAL STORAGE RACK	1	1
R-82		1 1	1
R-84	LATERAL FILE - 4 DRAWER (15"W X 25"D X 52'H)	3	1
R-85	LATERAL FILES	1	1
	EXISTING TO REMAIN L	EGEND)

Item #	Description	C	
X_01		1	
X-01 X-02	LOW METAL SHELVING 48" X 48"	4	
X-02 X-03			
X-04			
X-04 X-05		4	
X-06		4	
X-08	TABLE	4	
X-09	METAL SHELVING36"W X 24"D X 72"H	4	
X-10	METAL SHELVING 48"W X 24"D	4	
X-11	METAL SHELVING36"W X 24"D X 72"H	4	
X-12	FLAMMABLE STORAGE CABINET 12 GA	4	
X-13	SEWING MACHINE WITH TABLE (1'-8" X 4'-2")	4	
X-14	DYE VAT KETTLE	4	
X-15	ACID STORAGE CABINET- 30 GA	4	
X-16	NEWARC EXPOSURE UNIT	4	
X-17	FUME HOOD	4	
X-18	POTTERY WHEEL SHELF	4	
X-20	FLAT FILE 54 X 41.5	4	
1. EXISTING OWNER . 2. EXISTING AND INST 3. EXISTING 4. EXISTING	EQUIPMENT, OR FURNITURE SHALL BE RELOCATED EQUIPMENT, CONTRACTOR SHALL HIRE SPECIALTY FALL. EQUIPMENT, OWNER SHALL RELOCATE, CONTRACT	AND INST MOVERS	

NOTE: THESE PLANS FOR REFERENCE ONLY. OWNER SHALL RELOCATE ALL EQUIPMENT SHOWN UNLESS NOTED OTHERWISE. (SEE COMMENT 2. ABOVE) ITEMS NOTED 3 ABOVE ARE OWNER RELOCATED CONTRACTOR INSTALLED.

RELOCATION PLAN

A2.1.2

						WALLS			
NUMBER	NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	
	DYE ROOM	RES-A	B-2	PT-2	PT-2	PT-2	PT-2	ACP-1	
	TEXTILES STUDIO	RES-A	B-2	PT-2	A-PT3, PT-2	VWC-3	A-PT3	ACP-1	
	MANNEQUIN STORAGE	RES-A	B-2	PT-2	PT-2	PT-2	PT-2	ACP-1	
	FABRIC STORAGE	RES-A	B-2	PT-2	PT-2	PT-2	PT-2	ACP-1	
	VEST	WM-1	B-1	PT-2		A-PT3		ACP-1	
	THROWING STUDIO	RES-A	B-2	PT-2	A-PT2	A-PT2		ACP-1, ACP-2, ACB-1, PT-3	
	JC	P-TILE1	B-3	PT-2	CT-2	CT-2	CT-2	ACP-1	
	VEST	WM-1	B-1	PT-2	PT-2	PT-2	A-PT2	ACP-1	
	GLAZE KITCHEN	RES-A	B-2	PT-2	PT-2	PT-2	PT-2	ACP-1	
	ELECT	RES-A	B-1	PT-2	PT-2	PT-2	PT-2	ETR	
	MEMBER SHELVING	RES-A	B-2	PT-2	PT-2	PT-2	PT-2	ACP-1	
	HAND BUILDING STUDIO	RES-A	B-2	PT-2, A-PT2	PT-2	PT-2, A-PT2	A-PT2	ACP-1, ACP-2, ACB-1, PT-3	
A	TOILET	P-TILE1	B-3	CT-1	CT-1	CT-1	CT-1	ACP-1	
	KILN ROOM	RES-A	B-2	PT-2	PT-2	PT-2	PT-2		
	GAS KILN ROOM	CONC-SLR	B-1	PT-2	PT-2	PT-2	PT-2		
	PRINT MAKING STUDIO	RES-A	B-2	PT-2, VWC-1	PT-2	A-PT1, PT-2	A-PT1	ACP-1, ACT-2, ACB-2, PT-3	
	SILK SCREEN	RES-A	B-2	A-PT1	PT-2	PT-2	PT-2	ACP-1	
	VEST	WM-1	B-1	PT-2		PT-2		ACP-1	
	DISPLAY AND RETAIL	LVT-1	B-1	A-PT4	PT-2	PT-2	PT-2	ACP-1	
	CORRIDOR	LVT-1	B-1	PT-2	PT-2	PT-2	PT-2	ACP-1, PT-1	
A	CORRIDOR	LVT-1	B-1	PT-2		PT-2		PT-1	
	CORRIDOR	LVT-1	B-1	PT-2	PT-2		PT-2	PT-1	
	ELECT	ETR	ETR	ETR	ETR	ETR	ETR	ACP-1	1.
	TEXTILES OFFICE	ETR	ETR	A-PT3	A-PT3	PT-2	PT-2	ETR	
	ELEC/MECH	ETR	ETR	PT-2	PT-2	PT-2	PT-2	ETR	
	LOUNGE	ETR	ETR	PT-2	PT-2	PT-2	PT-2	ETR	
	PRINTMAKING POTTERY OFFICE	ETR	ETR	PT-2	PT-2	PT-2	PT-2	ETR	
	PRINTMAKING/ POTTERY	ETR	ETR	PT-2	PT-2	PT-2	PT-2	ETR	
	RR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	

			INTERIOR FINISH	LEGEND			
ITEM BASE	DESCRIPTION	MANUFACTURER	STYLE	PRODUCT - COLOR	LOCATION	CONTACT	COMMENTS
B-1	WALL BASE	TARKETT	JOHNSONITE TRADITIONAL VINYL WALL BASE.080; TYPE: TV; HEIGHT: 4"	55 SILVER GREY CG	GENERAL	DEBBIE CROWE - 443.310.6677	
B-2	EPOXY WALL BASE	SHERWIN WILLIAMS	EPOXY COVE WALL BASE	PYRITE	TO MATCH ASSIGN RESIN FLOORING	AMANDA LOWERY - 301 351 4257	
B-3	COVE WALL BASE	ARCHITESSA	COLLECTION: ON SQUARE; DIMENSIONS: 4" X 24"	CEMENTO	RESTROOM & JANITOR CLOSET	KERSI PRESS - 240.676.0097	
WM-1	WALK OFF MAT	J & J FLOORING - MATS INC	TRILOGY TILE	PORTOBELLO	ALL VESTIBULES	CHRIS MASON - 443.615.1064 202.442.4500	
ACB-1	ACOUSTICAL CEILING BAFFLE	ZINTRA ACOUSTICS	ZINTRA SQUARE IN 12 MM; SIZE: 48" X 9.7" X 48"	ECRU	HAND BUILDING/THROWING STUDIO		
ACB-2	ACOUSTICAL CEILING BAFFLE	ZINTRA ACOUSTICS	ZINTRA SQUARE IN 12 MM; SIZE: 48" X 9.7" X 48"	CADET	PRINTMAKING STUDIO		
ACP-1	CEILING TILE	ARMSTRONG CEILINGS	CALLA (ITEM # 2823) SIZE: 2 X 4; THICKNESS: 1" ; EDGE: SQUARE TEGULAR 15/16	WHITE	GENERAL	MELISSA COLEMAN - 804.240.5722	ACOUSTICS: .8 NRC; GRID: PRELUDE XL
ACP-2	CEILING TILE	ARMSTRONG CEILINGS	LYRA WITH PLANT BASED BINDER (ITEM# 8361PBWTC) SIZE: 2 X 2; THICKNESS: 1" ; EDGE: SQUARE TEGULAR 9/16" GRID: SUPRAFINE XL SUSPENSION SYSTEM IN OAT	TOFFEE CHESTNUT	HAND BUILDING/THROWING STUDIO AND PRINTMAKING STUDIO	MELISSA COLEMAN - 804.240.5722	
CERAMIC 8 CT-1	& PORCELAIN TILE	ARCHITESSA	COLLECTION: CODEX - EDGE: PRESSED; SIZE: 8 X 8; THICKNESS: 7.5 MM	FADE DECO	RESTROOM	KERSI PRESS - 240.676.0097	
CT-2	CERAMIC WALL TILE	ARCHITESSA	COLLECTION: RIVIERA LIDO ; TEXTURE: GLOSSY/GLAZED SIZE: 8 X 8	WHITE	JANITOR CLOSET	KERSI PRESS - 240.676.0097	
P-TILE1	PORCELAIN FLOOR TILE	ARCHITESSA	COLLECTION: ON SQUARE; EDGE: RECTIFIED; SIZE: 12 X 24	LAVANGA	RESTROOM & JANITOR CLOSET	KERSI PRESS - 240.676.0097	
PT-1	CEILING PAINT	SHERWIN WILLIAMS	FLAT	SW 7757 HIGH REFLECTIVE WHITE	GYPSUM	AMANDA LOWERY - 301.351.4257	
PT-2	GENERAL PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 7014 EIDER WHITE	TYP.	AMANDA LOWERY - 301,351,4257	
A-PT1	ACCENT PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 9135 WHIRLPOOL	PRINTMAKING STUDIO	AMANDA LOWERY - 301.351.4257	
A-PT2	ACCENT PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 6192 COASTAL PLAIN	HAND BUILDING/THROWING STUDIO	AMANDA LOWERY - 301.351.4257	
A-PT3	ACCENT PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 6494 LAKESHORE	TEXTILE STUDIO	AMANDA LOWERY -	
A-PT4	ACCENT PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 9050 VINTAGE VESSEL	DISPLAY/RETAIL AREA	AMANDA LOWERY -	
PT-3	CEILING PAINT	SHERWIN WILLIAMS	FLAT	SW 6254 LAZY GRAY	EXPOSED CEILING	AMANDA LOWERY - 301 351 4257	
PLASTIC LA	AMINATE					001.001.4201	
PLAM-1	PLASTIC LAMINATE	WILSONART	HD LAMINATE; TIMBERGRAIN FINISH - AEON SCRATCH RESISTANCE	DAINTREE 8235K-05	GENERAL LAMINATE / DISPLAY AREA DESK REVEALS AND TOEKICK	MICHAEL MILLNER - 410.443.1664	
PLAM-2		NEVAMAR	HPL LAMINATE; PATTERN: S-5059; FINISH: ARP (T-)	AQUA LAGOON	DISPLAY AREA DESK		
LVT-1		J & J FLOORING	COLLECTION: TIMELESS; THICKNESS: 5MM; WEAR LAYER: 20 MIL; INSTALLATION: ASHLAR; DIMENSIN: 9 X 48	NOTABLE 1000	DISPLAY/RETAIL AREA; CORRIDOR	CHRIS MASON - 443.615.1064 202.442.4500	
RESINOUS RES-A	FLOORING EPOXY RESIN FLOORING	SHERWIN WILLIAMS	FASTOP DECO FLAKE SL45	PYRITE	GENERAL	AMANDA LOWERY - 301.351.4257	
SOLID SUR		WILSONART	THICKNESS: 3/4" (2 CM), EDGE PROFILE: EASED PROFILE	CHILLED EARTH 9228SS	GENERAL/DISPLAY AREA DESK COUNTERTOP	MICHAEL MILLNER - 410.443.1664	
THHD-1	FLOOR TRANSITION	SCHULTER SYSTEMS	RENO TK	BRUSHED NICKEL	5 MM LVT TO WALKOFF MAT/ LVT	PAUL LEDERMAN - 800.472.4588 X	
THHD-2	FLOOR TRANSITION	SCHULTER SYSTEMS	RENO T	BRUSHED NICKEL	EPOXY FLOOR TO FLOOR TILE	PAUL LEDERMAN - 800.472.4588 X 4109	
WALLCOVE VWC-1	ERING WALLCOVERING	WOLF GORDON	INK SPOTS - 100% VINYL	CLOUD	PRINTMAKING STUDIO	STACI GROSSO - 410-499-9270	
VWC-2	WALLCOVERING	WOLF GORDON	PATINA STONE - 100% VINYL	URANIUM GLITZ	HAND BUILDING/THROWING	STACI GROSSO - 410-499-9270	
VWC-3	WALLCOVERING	WOLF GORDON	IN TUNE - 100% VINYL	EMPRESS GREEN	TEXTILE STUDIO	STACI GROSSO - 410-499-9270	

FINISH SCHEDULE GENERAL NOTES

- A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.
- B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.
- C. CASEWORK FINISHES ARE NOTED IN THE FINISH LEGEND. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR SPECIFIC LOCATIONS OF MATERIALS AND FINISHES.
- DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION. E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.
- F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION
- G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.
- H. INTERIOR FINISHES FOR WALLS, CEILINGS, AND FLOORS SHALL COMPLY WITH VCC 2018, 803, 804.

A3.0.1

HARDWARE SETS

nardware Gro For use on Do 109	oup No. 07B por #(s):					For us 102	e on Doo	or #(s):				
Each to have: QTY 3 EA 1 EA 1 EA 1 EA 1 EA 1 EA 1 EA	DESCRIPTION HINGE CLASSROOM LOCK FSIC CORE SURFACE CLOSER WALL STOP GASKETING	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND70TD SPA 23-030 CKC OBV 1450 REG FC WS406/407CCV 488FSBK PSA		FINISH 652 626 626 689 630 BK	MFR IVE SCH SCH LCN IVE ZER	Each t QTY 3 1 1 1 3	EA EA EA EA EA EA EA	DESCRIPTION HINGE PASSAGE SET OH STOP KICK PLATE SILENCER	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND10S SPA 100S ADJ 8400 10" X 1" LDW B-CS SR64		FINISH 652 626 630 630 GRY	N S G I N
Hardware Gro	oup No. 07C			2.1		Hardw For us 106	are Grou e on Doo	p No. 01A r #(s):				
113 Each to have: QTY 3 EA 1 EA 1 EA 1 EA 1 EA 1 EA	DESCRIPTION HINGE CLASSROOM LOCK FSIC CORE OH STOP SURFACE CLOSER	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND70TD SPA 23-030 CKC OBV 100S ADJ 1450 REG FC ST-5011 8400 10" X 1" LDW B-CS		FINISH 652 626 626 630 689 630	MFR IVE SCH SCH GLY LCN	Each t QTY 3 1 1 1 3	EA EA EA EA EA EA	DESCRIPTION HINGE PASSAGE SET KICK PLATE WALL STOP SILENCER	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND10S SPA 8400 10" X 1" LDW B-CS WS406/407CCV SR64		FINISH 652 626 630 630 GRY	
1 EA	GASKETING	488FSBK PSA	8	BK	ZER	Hardw For us 108	are Grou e on Doc	p No. 02 rr #(s):				
For use on Do 114 Each to have: QTY 6 EA	DESCRIPTION HINGE	CATALOG NUMBER 5BB1HW 4.5 X 4.5		FINISH 652	MFR IVE	Each t QTY 2 2 2	EA EA EA	DESCRIPTION CONT. HINGE LONG DOOR PULL SURFACE CLOSER	CATALOG NUMBER 112XY PR 9264F 36" 20" N 4040XP SCUSH	8	FINISH 313AN 643E/7 16 695 612	
1 SET 1 EA 1 EA 1 EA 2 EA 2 EA	CONST LATCHING BOLT DUST PROOF STRIKE STOREROOM LOCK COORDINATOR SURFACE CLOSER KICK PLATE	FB51P DP2 ND80TD SPA 14-042 COR X FL X MB 1450 REG FC 8400 10" X 1" LDW B-CS		630 626 628 689 630	IVE IVE SCH IVE LCN IVE	2 1 Hardw For us	EA EA are Grou e on Doo	GASKETING p No. 03 rr #(s):	488FSBK PSA	ē	BK	Z
1 EA 2 EA 2 EA	GASKETING MEETING STILE MEETING STILE	488FSBK PSA 155AA 55AA		BK AA AA	ZER ZER ZER	Each t QTY 1 2	EA EA	DESCRIPTION BI-FOLD DOOR HW FINGER PULL	CATALOG NUMBER 200FD PKG 218	8	FINISH 626 626	M Ju N
Hardware Gr	roup No. 08A Door #(s):							un No. 04				
107 Each to have QTY 3 EA 1 EA	DESCRIPTION HINGE STOREROOM LOCK	CATALOG NUMBER 5BB1HW 4.5 X 4.5 NRP ND80TD SPA		FINISH 652 626	MFR IVE SCH	Hard For u 112/ Each QTY 3	to have:	DESCRIPTION	CATALOG NUMBER		FINISI 852	4
1 EA 1 EA 1 EA 3 EA	FSIC CORE SURFACE CLOSER MOP PLATE SILENCER	23-030 CKC OBV 1450 SCUSH FC 8400 4" X 1" LDW B-CS SR64		626 689 630 GRY	SCH LCN IVE IVE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EA EA EA EA	PRIVACY LOCK W/INDICATOR HANDS FREE PULL SURFACE CLOSER KICK PLATE	L9040 17A 09-544 L283-722 FP100 1450 REG FC 8400 10" X 1" LDW B-CS		626 630 689 630	
For use on D 184	oup No. 09 Door #(s):					3 Hard	EA EA	SILENCER	SR64	÷.	GRY	
QTY 3 EA 1 EA 1 EA	DESCRIPTION HINGE POWER TRANSFER ELEC FIRE EXIT HARDWARE	CATALOG NUMBER 5BB1HW 4.5 X 4.5 NRP EPT10 CON 99-L-F-M996-17-FS-CON-SNB		FINISH 652 # 689 # 626	MFR IVE VON VON	For u 115 Each QTY	se on Do	DESCRIPTION	CATALOG NUMBER		FINIS	4
1 EA 1 EA 1 EA 1 EA 1 EA 1 EA	RIM CYLINDER FSIC CORE SURFACE CLOSER MOP PLATE WALL STOP GASKETING	20-057 ICX 23-030 CKC OBV 4040XP EDA 8400 4" X 1" LDW B-CS WS406/407CCV 488FSBK PSA		626 626 689 630 630 BK	SCH SCH LCN IVE IVE ZER	3 1 1 3	EA EA EA EA	HINGE ENTRANCE/OFFICE LOCK FSIC CORE SURFACE CLOSER SILENCER	5BB1HW 4.5 X 4.5 NRP ND50TD SPA 23-030 CKC OBV 1450 SCUSH FC SR64		652 626 626 689 GRY	
1 EA	POWER SUPPLY MALLY CLOSED & LOCKED	PS902 900-2RS FA900 KL900 120/240 VAC		∦ LGR	SCE	Hard For u 116	ware Gro se on Do	oup No. 05A por #(s):				
ENTRY WIT UPON LOSS Hardware Gr	H VALID KEY OR LOSS OF P S OF POWER OR FIRE COMM	OWER OR FIRE COMMAND IAND, DOOR UNLOCKS				Each QTY 3 1 1	EA EA EA EA	DESCRIPTION HINGE ENTRANCE/OFFICE LOCK FSIC CORE	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND50TD SPA 23-030 CKC OBV	1	FINISH 652 626 626	4
For use on D EX105A Each to have QTY	Door #(s): EX121A EX122 EX121A EX122	2 CATALOG NUMBER		FINISH	I MFR	1 3	EA EA	OH STOP SILENCER	100S ADJ SR64	1	630 GRY	
1 EA REMOVE EX PUSH/PULL	DUMMY CYLINDER KISTING DEADLOCK/REPLAC	38-070 118 CE KEYED CYLINDER(S) W/DUMM	Y. DOOF	613 R TO BE	SCH	Hard	upro Gra	we No. 05P				
						For u 111 Each	se on Do	por #(s):				
Hardware G For use on EX103 Each to hav OTY	Group No. X7 Door #(s): /e: DESCRIPTION	CATALOG NUMBER		FINIS	H MER	QTY 3 1 1 1 1 1	EA EA EA EA EA EA	DESCRIPTION HINGE ENTRANCE/OFFICE LOCK FSIC CORE SURFACE CLOSER KICK PLATE WALL STOP	CATALOG NUMBER 5BB1HW 4.5 X 4.5 NRP ND50TD SPA 23-030 CKC OBV 1450 EDA FC 8400 10" X 1" LDW B-CS WS406/407CCV		FINISH 652 626 626 689 630 630	1
1 EA 1 EA Hardware G	CLASSROOM LOCK FSIC CORE	ND70TD SPA 23-030 CKC OBV		626 626	SCH SCH	3 Hard For u	EA ware Gro se on Do	SILENCER oup No. 07 oor #(s):	SR64		GRY	
For use on EX121 Each to hav QTY 1 EA	Door #(s): //e: DESCRIPTION PANIC HARDWARE	CATALOG NUMBER 1692-NL-OP-169CA-HEX-SU-SI	NB 🖺	FINIS DC13	H MFR FAL	104 Each QTY 3 1	to have: EA EA	DESCRIPTION HINGE CLASSROOM LOCK	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND70TD SPA		FINIS 652 626	4
1 EA 1 EA REMOVE P	RIM CYLINDER FSIC CORE PADDLE DEVICE & PUSH BAR	20-057 ICX 23-030 CKC OBV R. RE-USE EXISTING PULL.		613 613	SCH SCH	1 1 3	EA EA EA	FSIC CORE OH STOP SILENCER	23-030 CKC OBV 100S ADJ SR64		626 630 GRY	
Hardware G For use on EX108	Group No. X9 Door #(s):					Hard For u 101 Each	ware Gro se on Do to have:	oup No. 07A oor #(s):				
Each to hav QTY 1 EA 1 EA 1 EA REPLACE	Ve: DESCRIPTION RIM CYLINDER FSIC CORE THRESHOLD THRESHOLD. VERIFY DIMEN	CATALOG NUMBER 20-057 ICX 23-030 CKC OBV 566D-223 ISIONS IN FIELD. REPLACE KEYE	E CYLIN	FINIS 613 613 D IDER.	H MFR SCH SCH ZER	QTY 3 1 1 3	EA EA EA EA EA	DESCRIPTION HINGE CLASSROOM LOCK FSIC CORE WALL STOP SILENCER	CATALOG NUMBER 5BB1HW 4.5 X 4.5 ND70TD SPA 23-030 CKC OBV WS406/407CCV SR64		FINISH 652 626 626 630 GRY	1
Hardware G For use on EX105	Group No. X10 Door #(s):											
	e:			EINIG								

				D	OOR	
NUMBER	ROOM NAME	Туре	TYPE	MATL	UC	GL/ T
101	DYE ROOM	3'-4"x6'-8"x1-3/4"	F	WD		
102	TEXTILES STUDIO	3'-0"x6'-8"x1-3/4"	FG2	WD		GL-1
104	FABRIC STORAGE	3'-0"x6'-8"x1-3/4"	F	WD		
106	THROWING STUDIO	3'-4"x6'-8"x1-3/4"	FG2	WD		GL-1
107	JC	3'-0"x6'-8"x1-3/4"	F	WD	3/4"	
108	VEST	PR 3'-0" x 6'-8" x 1 3/4"	F	WD		
109	GLAZE KITCHEN	3'-4"x6'-8"x1-3/4" 60MIN	F	WD		
110	HAND BUILDING STUDIO	PR 6'-0"x6'-8" Bi-fold	RP2	WD		
111	CORRIDOR	3'-4"x6'-8"x1-3/4"	FG2	WD		GL-1
112A	TOILET	3'-0"x6'-8"x1-3/4"	F	WD	3/4"	
113	KILN ROOM	4'-0"x6'-8"x1-3/4" 60MIN	F	STL		
114	GAS KILN ROOM	PR 3'-0"x6'-8"x1-3/4" 120MIN	F	STL		
115	CORRIDOR	3'-4"x6'-8"x1-3/4"	FG2	WD		GL-1
116	SILK SCREEN	3'-0"x6'-8"x1-3/4"	F	WD		
184	CORRIDOR	3'-0"x6'-8"x1-3/4" 60MIN	N1	WD		GL-1
EX102	TEXTILES STUDIO	3'-0"x6'-8"x1-3/4"	FG	EX		
EX103	MANNEQUIN STORAGE	3'-0"x6'-8"x1-3/4"	F	EX		
EX105	VEST	3'-0"x6'-8"x1-3/4"	FG	EX		EX
EX105A	VEST	3'-0"x6'-8"x1-3/4"	FG	EX		EX
EX108	VEST	3'-0" x 6'-8" x 1 3/4"	FG	EX		EX
EX121	VEST	3'-0" x 6'-8" x 1 3/4"	FG	EX		EX
EX121A	VEST	3'-0" x 6'-8" x 1 3/4"	FG	EX		EX
EX122	DISPLAY AND RETAIL	3'-0" x 6'-8" x 1 3/4"	FG	EX		EX

- SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR
- REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

<u>SIGN TYPE A</u>

MANEUVERING CLEARANCE AT DOORS

NO SCALE

DOOR SCHEDULE, TYPES AND DETAILS

A3.1.1

RENO

AIRS

2/18/2023 11:55:12 AM

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<u>Level 1</u> 0"

<u>Level 1</u>

PROJECT NO: 624801 DATE DECEMBER 15, 2023 REVISIONS DATE DESCRIPTION 12.15.23 BID SET

INTERIOR ELEVATIONS

A4.2.0

J			
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F			
Е			
D			
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1 WALL SECTION A2.1.0 A5.1.1 3/4" = 1'-0"

NOTE: EXISTING WINDOWS SHOWN ARE A SEPARATE CONCURRENT PROJECT TO REPLACE THE EXISTING GLASS BLOCK OPENINGS AT THE BUILDING. THIS CONTRACTOR SHALL COORDINATE WITH SEPARATE WINDOW CONTRACTOR IF PROJECT NOT COMPLETED PRIOR TO START OF CONSTRUCTION.

WALL SECTIONS

S INDICATED OTHERWISE, ALL COUNTERTOP(S): " AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATOR URS DEEP D SURFACE COUNTERTOP KSPLASHES: 2" OR 4" HIGH AT ALL SIDES AND BACK (SEE ELEVA
S INDICATED OTHERWISE, ALL BASE CABINET(S): DEEP NOMINAL KICKS: 4" HIGH AND 3" DEEP IK LOCATION: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINE REE ACCESS
S INDICATED OTHERWISE, ALL WALL CABINET(S): //2" DEEP NOMINAL HIGH AT 7'-0" AFF MUM 11" CLEAR INTERIOR DEPTH
N EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) ANI REMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER
ELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
E FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
ALL BASE AND WALL CABINETS. KEYED PER ROOM UNLESS IN WISE.
ALL BASE AND WALL CABINETS. KEYED PER ROOM UNLESS IN WISE. INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. BINDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. 5 INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO 5HOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. 5 INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. 5 INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO 5HOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. 6 INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO 6HOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING
ALL BASE AND WALL CABINETS. KEYED PER ROOM UNLESS IN WISE. BINDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM RE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING ADA COMMERCIAL SINK STEEL SHELF BRACKET
ALL BASE AND WALL CABINETS. KEYED PER ROOM UNLESS IN WISE. INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM RECONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING ADA COMMERCIAL SINK STEEL SHELF BRACKET COPIER - NIC
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM REP CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING ADA COMMERCIAL SINK STEEL SHELF BRACKET COPIER - NIC BACKSPLASH
ALL BASE AND WALL CABINETS. REYED PER ROOM UNLESS IN WISE. 5 INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO 5HOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM IRE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING ADA COMMERCIAL SINK STEEL SHELF BRACKET COPIER - NIC BACKSPLASH METAL WALL HOOKS
ALL BASE AND WALL CABINE IS. KEYED PER ROOM UNLESS IN WISE. INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWO SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEM RECONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" F ACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN CASSEWORK KEYNOTES REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn SOLID SURFACE COUNTERTOP WALL BRACKET STAINLESS STEEL COMMERCIAL SINK MODIFIED FOR TWO FAUC REFER TO PLUMBING ADA COMMERCIAL SINK STEEL SHELF BRACKET COPIER - NIC BACKSPLASH METAL WALL HOOKS TACKBOARD

A8.1.1

- A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S): • 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
- 2'-1" DEEP SOLID SURFACE COUNTERTOP BACKSPLASHES: 2" OR 4" HIGH AT ALL SIDES AND BACK (SEE ELEVATIONS) B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S): 2'-0" DEEP NOMINAL TOE KICKS: 4" HIGH AND 3" DEEP • 1 SINK LOCATION: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S): • 1'-0 1/2" DEEP NOMINAL 2'-6" HIGH • TOP AT 7'-0" AFF MINIMUM 11" CLEAR INTERIOR DEPTH
 - D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
 - E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
 - F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS. G. LOCKS: ALL BASE AND WALL CABINETS. KEYED PER ROOM UNLESS INDICATED
 - OTHERWISE. H. UNLESS INDICATED OTHERWISE, TYPICAL LAMINATE FOR ALL CASEWORK TO BE PLAM-1.
 - I. ITEMS SHOWN DASHED ARE OWNER FURNISHED AND INSTALLED. ITEMS SHOWN SOLID ARE CONTRACTOR INSTALLED IF NUMBER BEGINS WITH AN "R" PREFIX AND CONTRACTOR INSTALLED AND FURNISHED IF NUMBER BEGINS WITH AN "E" PREFIX.

19 SILK SCREEN WALL & BASE CABINET

CASEWORK SECTIONS & DETAILS

A8.1.2

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2 SILK SCREEN CABINET ELEVATION 3/4" = 1'-0"

3 SILK SCREEN STORAGE - WALL-MOUNTED CABINET NO SCALE

4 SILK SCREEN STORAGE - BASE CABINET NO SCALE

FIRST FLOOR REFLECTED CEILING PLAN

29/2023 9:33:11 AM

REF	LECTED CEIL APPLIES TO DRA	LING PLAN LEGEND WINGS A9.1.n - A9.1.n					
REFER TO M, E & FP D	RAWINGS FOR REFLECT	ED CEILING PLAN SYMBOLS NOT INDICA					
A101	- SPACE NUMBER - CEILING HEIGHT, AFF U	INO					
	INTERIOR APPLICATION	IS: GYPSUM BOARD CEILING					
	2'-0" x 2'-0" LAY-IN ACOU IN SUSPENDED GRID	JSTICAL CEILING PANELS					
	2'-0" x 2'-0" LAY-IN ACOUSTICAL ACCENT CEILING PANELS IN SUSPENDED GRID						
	2'-0" x 4'-0" LAY-IN ACOU IN SUSPENDED GRID	JSTICAL CEILING PANELS					
	KNIFE EDGE TRIM						
		INTERIOR WALL/PARTITION TO UNDE					
WITH OPENING		EXISTING PARTITION/WALL					
WITH OPENING		INTERIOR WALL/PARTITION 4" MIN AE ADJACENT CEILING. IF NECESSARY RESULTS DESIRED, EXTEND WALL H BRACING IS NOT EXPOSED TO VIEW SPACES					

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

- A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.
- B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
- C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES
- (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

REFLECTED CEILING PLAN KEYNOTES

APPLIES TO DRAWINGS A9.1

1	CFSF-S
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	EIN CLG: EINISH AND/OR HEIGHT AFE VARIES
4	GYP BD: EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
5	KNIFE EDGE CEILNG TRIM
6	
0	TUBULAR SKILIGHT
7	SUSPENDED ACOUSTIC BAFFELS - 4'X4' SUSPENDED AT 10'-0" AFF
8	EXPOSED CEILING AREA -PAINT NON-ACCENT WALLS/ EXISTING ELEMENTS PT-3 ABO DROPPED CEILING TO ROOF ABOVE
9	PROVIDE ACT-1 CEILING TILES TO REPLACE WHERE DAMAGED TILES WERE REMOVE
10	RE-WORK OR PROVIDE NEW GRID TRANSITION TO EXISTING GRID.
11	1 HR RATED PARTITION EXTEND 4" ABOVE CEILING THIS LOCATION ONLY
12	EXTEND GYP AND STUD PARTITION/COLUMN WRAP TO CLOSE GAP ABOVE CEILING A EXISTING COLUMN.

1 BULKHEAD DETAILS NO SCALE

			A9.1 A10.1 1 1/2
		TIAL ROOF PLAN	
1	2	i -υ	3

+/- 12' - 0" AFF

EXTEND ABOVE SHOWN) FIELD PLIES — TOP OF (NOT FOR CLARITY)	-									
FRT WOOD FRAMING MEMBERS											

INSULATION TO FILL CAVITY

SKYLIGHT THERMAL

INSULATING PANEL

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT
AESS	ARCHITECTURALLY EXPOSED
	STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
APPROX	APPROXIMATE
ANCI	ANGINE CIONAL, ANGINE CI
AVG	
BLDG	BUILDING
BM	BEAM
BMC	BUILDING MOUNTED CANOPIES
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CANT	CANTILEVER
CFSF	COLD FORMED STEEL FRAMING
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
	CLEAR
COL	
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DIA	DIAMETER
DIAG	DIAGONAI
DIM	DIMENSION
	DOWN
	EACH
EA	
EF	
EJ	EXPANSION JOIN I
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
ER	
FDN	
	FINISHED FLOOR
FIN	FINISHED
FLR	FLOOR
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FRMG	FRAMING
FRT	FIRE RETARDANT TREATED
FT	FOOT
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED
GRD	
HD	HEADED
HK	HOOK
HORIZ	HORIZONTAL
HS	HIGH STRENGTH

GALV

HORIZ

S2.1 S4.2 S2.2

S2.3

SS	HOLLOW STRUCTURAL SECTION
Γ	HEIGHT
	INSIDE DIAMETER
	INCH
FO	INFORMATION
T	
E	
, т	
	KIP
S	POUNDS
:	LINEAR FEET (FOOT)
H	LONG LEG HORIZONTAL
V	LONG LEG VERTICAL
	METER(S)
AS	MASONRY
AIL	MATERIAL
ЧХ Эмлл	
DIVIA	ASSOC
3S	METAL BULIDNG SYSTEM
ECH	MECHANICAL
-R	MANUFACTURER
Ν	MINIMUM
N	MILLIMETER(S)
MC	NOMINAL
5	NON SHRINK
ר ר	
-CI	
01	INSTALLED
PNG	OPENING
P	OPPOSITE
١F	POWDER-ACTUATED FASTENERS
CONC	PRECAST CONCRETE
BC	PRE-FABRICATED BUILDING COLUMN
	POUNDS PER LINEAR FOOT
JL I DT	POLYETHYLENE PRESSURE PRESERVATIVE TREATED
SF	POUNDS PER SQUARE FOOT
FE	POLYTETRAFLUOROETHYLENE
	RADIUS
)	ROOF DRAIN
ΞF	REFERENCE
EINF	REINFORCING, REINFORCED
EQ'D	REQUIRED
M	SIMILAR
)	
Δ	SPACES
5	STAINLESS STEEL
D	STANDARD
IFF	STIFFENER
RUCT	STRUCTURAL
JSP	SUSPENDED
ΎΜ	SYMMETRY(RICAL)
β	TOP AND BOTTOM
iGi	
)S	TOP OF STEEL
DSL	TOP OF SLAB
W	TOP OF WALL
Έ	TYPICAL
NO	UNLESS NOTED OTHERWISE
3	VAPOR BARRIER
RT	VERTICAL
ſ	
¥ ¥ I	

SECTION AND DETAIL (WHERE DRAWN)

- SECTION OR DETAIL NUMBER – DRAWING NUMBER WHERE SECTION OR DETAIL IS DRAWN - DRAWING NUMBER WHERE SECTION OR DETAIL IS CUT

- ADDITIONAL DRAWING NUMBERS WHERE SECTION OR DETAIL IS CUT

<u>A</u>

S2.1

SECTION WHERE CUT - SECTION NUMBER

- DRAWING NUMBER WHERE SECTION IS DRAWN

DETAIL WHERE CUT

— DETAIL LETTER - DRAWING NUMBER WHERE DETAIL IS DRAWN

GENERAL

- 2018 EDITION, EFFECTIVE JULY 1, 2021.
- DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
- WORK. TO BE SET IN STRUCTURAL WORK.
- REQUIREMENTS. CONFORMANCE" OR "GENERAL ACCORDANCE" IS UNACCEPTABLE.
- SUBCONTRACTORS INCLUDING THE SPECIAL INSPECTOR. 7. FLOOR LIVE LOADS

STUDIOS LIGHT STORAGE KILN ROOMS

FIRST FLOOR LOBBIES AND CORRIDORS PARTITION ALLOWANCE

CONCRETE

- CONCRETE".
- (F'c) OF 3000 PSI.
- REINFORCING BARS: WELDED WIRE FABRIC (WWF):
- CEMENTITIOUS MATERIAL LIMITS, BY WEIGHT: FLY ASH: 25 PERCENT
- GROUND GRANULATED BLAST-FURNACE SLAG: 25 PERCENT WATER-SOLUBLE, CHLORIDE-ION IN HARDENED CONCRETE: 0.15 PERCENT WATER-CEMENTITIOUS MATERIALS RATIO: 0.50 MAXIMUM

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS: AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"

2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS: ANGLES HIGH STRENGTH BOLTS (CONVENTIONAL) WASHERS HEAVY HEX NUTS WELDING ELECTRODES

RENOVATION

- PLANS AND SECTIONS.
- INVESTIGATION.

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC),

2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL

3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUANTITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF

4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS

5. SPECIAL INSPECTIONS ARE REQUIRED BY THE USBC (SECTION 1704), REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION

REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS. SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS IN COMPLIANCE WITH IBC SECTION 1704.2.4. USE OF "GENERAL

6. CONDUCT PRE-INSTALL MEETINGS ON PROJECT SITE PRIOR TO COMMENCEMENT OF WORK. REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS. COORDINATE ATTENDANCE OF ALL REQUIRED TRADES AND

> UNIFORM 40 PSF 125 PSF 150 PCF

1000 LB

CONCENTRATED

1000 LB 100 PSF 15 PSF WHERE UNIFORM LIVE LOAD IS LESS THAN 80 PSF

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL

2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS

3. REINFORCING STEEL SHALL BE AS FOLLOWS. SUPPORT CONTINUOUSLY AT 2'-6" OC, MAX. ASTM A615, GRADE 60, DEFORMED ASTM A1064, SHEET TYPE ONLY

4. PRODUCT DATA AND DESIGN MIXTURES SHALL BE SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION.

DO NOT AIR ENTRAIN CONCRETE AND DO NOT ALLOW ENTRAPPED AIR CONTENT TO EXCEED 3 PERCENT. 5. OWNER'S TESTING AND INSPECTING AGENT SHALL PERFORM FIELD TESTS, INSPECTIONS, AND PREPARE TEST REPORTS. TESTING AND INSPECTING AGENT SHALL INSPECT REINFORCING STEEL AND VERIFY SUITABILITY OF SUBGRADE PRIOR TO PLACING GRADE SLABS. TESTING AND INSPECTING AGENT SHALL BE PRESENT ON SITE TO SAMPLE AND CAST ONE SET OF 5 COMPRESSION TEST SPECIMENTS FOR COMPRESSIVE-STRENGTH TESTS FOR EACH CONCRETE POUR.

ASTM A992 (FY=50 KSI) ASTM F3125 GRADE A325 OR A490 (TYPE 1) ASTM F436 (FLAT AND BEVELED) ASTM A563 E70 (LOW HYDROGEN)

1. EXISTING CONSTRUCTION INDICATED ON THE STRUCTURAL DRAWINGS IS BASED ON INFORMATION OBTAINED FROM LIMITED OBSERVATIONS OF EXISTING CONDITIONS. NO EXISTING STRUCTURAL DRAWINGS ARE AVAILABLE. THIS INFORMATION, INCLUDING STRUCTURAL COMPONENT TYPE, SIZE AND ORIENTATION HAS NOT BEEN CONFIRMED IN ALL CASES, AND MAY NOT MATCH "AS-BUILT" EXISTING CONSTRUCTION. ALL EXISTING CONDITIONS AND DIMENSIONS RELATING TO THE NEW WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ELEMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

2. EXISTING CONSTRUCTION IS INDICATED USING A LIGHTER LINE WEIGHT THAN NEW CONSTRUCTION IN

3. REFER TO ECS REPORT 01:32648-A, DATED AUGUST 10, 2023 FOR RESULTS OF SLAB ON GRADE

PART FLOOR PLAN

NO SCALE

NOTES: 1. SCAN SLAB AT GAS KILN ROOM AND KILN ROOM WITH GPR OR OTHER APPROVED METHOD TO DETERMINE SLAB ON GRADE TYPE.

A. REMOVE SLAB WHERE THICKNESS OF CONCRETE AT FINISHED FLOOR ELEVATION IS LESS THAN 6", AND REPLACE WITH 6" CONCRETE SLAB ON GRADE PER "EQUIPMENT PAD DETAIL" THIS DWG.

BACKFILI

EQUIPMENT PAD DETAIL

- NO SCALE NOTES:
- 1. SAWCUT EX SLAB ON GRADE, REFER TO PART FLOOR PLAN, THIS SHEET
- 2. COMPACT REMAINING SOIL TO 98% PROCTOR.
- 3. BACKFILL TO UNDERSIDE OF SLAB WITH HAND-PLACED CLASS II MATERIAL, COMPACTED TO 95% PROCTOR. BACKFILL MATERIAL SHALL BE FREE OF STONES.
- 4. FLOOR CONSTRUCTION SHALL BE 6" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH #4 @ 12" OC EW OVER VAPOR BARRIER.

SLAB ON GRADE INFILL AT PLUMBING TRENCH NO SCALE

- NOTES: 1. SAWCUT EX SLAB ON GRADE TO EXTENT REQUIRED FOR UTILITY TRENCHES.
- 2. BACKFILL TRENCHES TO UNDERSIDE OF SLAB PER PIPE BEDDING DETAILS ON PLUMBING DWGS.
- 3. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH
- 6x6-W2.9xW2.9 WWF OVER VAPOR BARRIER.
- - EX CONC PLANKS

MEP ACCESSORIES SUPPORT DETAIL

NO SCALE

- NOTES: 1. SCAN EX CONC BEAM WITH GPR OR OTHER APPROVED METHOD TO LOCATE EX REINF PRIOR TO DRILLING. DO NOT CUT REINFORCING IN EX CONC BEAMS.
- 2. MAXIMUM SUPPORTED LOAD SHALL BE 100 LB. 3. WHERE 4" AND SMALLER WATER-FILLED PIPES RUN PERPENDICULAR TO EX CONC
- BEAMS, SUPPORT PIPES AT EA BEAM. 4. WHERE 4" AND SMALLER WATER-FILLED PIPES RUN PARALLEL TO EX CONC BEAMS, LOCATE PIPES MIDWAY BETWEEN EX CONC BEAMS AND SUPPORT WITH UNISTRUTS.
- SUPPORT UNISTRUT FROM UNDERSIDE OF EX CONC BEAMS AS INDICATED. LENGTH OF PARALLEL RUN SHALL NOT EXCEED 10'.
- 5. SUPPORT FROM SIDE OF EX CONC BEAM OR EX CONC PLANKS IS NOT PERMITTED.

PLAN

NO SCALE

NOTES: 1. REFER TO "PARTIAL ROOF PLAN". COORDINATE SIZE AND LOCATIONS OF OPENINGS WITH ARCH AND MEP DRAWINGS. 2. INSTALL FRAME AND CONNECTIONS PRIOR TO CUTTING CONCRETE PLANKS. 3. DO NOT CUT CONCRETE BEAMS.

RENO AIRS m NOI. Ö I & CONSTRU RUN DRIVE \bigcirc ESIGN MILE | 6 Ω Б ES DE ╒ ╙. FACILIT 3700 S. 22-9 PROJECT NO: 624801 DECEMBER 12, 202 DATE REVISIONS DATE DESCRIPTION 12.15.23 BID SET

> STRUCTURAL NOTES PLANS, AND DETAILS

1				
H				
G				
F				
D				
C				
B				
A				

	BASIS OF	DE
TAG	MANUFACTURER	
EWH-1	AO SMITH	
<u>NOTES:</u> 1. kW INPUT		C WA

ТАС	BASIS OF	D
IAG	MANUFACTURER	
TMV-1	WATTS-POWERS	
TMV-2	WATTS-POWERS	
TMV-3	BRADLEY	
NOTES: 1. PROVIDE 2. PROVIDE 3. PROVIDE ABOVE FI	THERMOSTATIC MIXING ASSE-1070 VALVE FOR ASSE-1071 VALVE FOR XTURE, DEPENDING ON	3 ∖ AL AL

TANK SCHEDULE												
TAG	BASIS OF DESIGN			OVOTEM		OPERATING DATA			ASME CODE	CONNECTION SIZE		
	MANUFACTURER	MODEL	LOCATION	TYPE		CAPACITY (GAL)	ACCEPTANCE (GAL)	AIR PRE-CHARGE PRESSURE (PSI)	CONSTRUCTION (YES / NO)	INLET (IN)	OUTLET (IN)	NOTES
ET-1	AMTROL	THERM-X-TROL ST-12C-DD	EX BOILER ROOM	DHW	EXPANSION	6.40	3.20	55	YES	3/4"	3/4"	1
<u>NOTES:</u> 1. REFER T	O MANUFACTURERS RE	COMMENDATIONS FOR FINAL	PIPING ARRANGEMEN	T.							· · ·	

PUMP SCHEDULE																
	BASIS OF DESIGN				C	PERATING DATA			ELEC	ELECTRICAL DATA			CONNECTION SIZE			
TAG	MANUFACTURER	MODEL	LOCATION	TYPE	PUMP TYPE	FLOW (GPM)	PRESSURE (FT)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)	OUTLET (IN)	NOTES
RCP-1	GRUNDFOS	MAGNA3 32-60-FN	EX BOILER ROOM	DHR	CIRCULATION	1.00	15.00	85%	0.40	3450	120	1	60	3/4"	3/4"	1
NOTES: 1 PROVIDE				FRATURE AN		ISORS AND		HALL BE FULLY					S			

5

			ABBREVIATIONS				GRAPHICS SY	MBOLS LEGEND
@	AT	EWC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN	∠ X" XX>		
AAV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST			POINT OF CONNECTION TO EXISTING
ABV	ABOVE	EX	EXISTING	PCF	POUNDS PER CUBIC FOOT			
AC-X	AIR COMPRESSOR DESIGNATION	EXP		PD	PUMP DISCHARGE		 FLOW IN DIRECTION OF ARROW 	
		FCO				> 1/8" FT		
		FD	FLOOR DRAIN				PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE	30 REINCIE
AFG	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED			▶ E
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PREFAB	PREFABRICATE(D)		-	\sim
ALT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT		PIPE TURNED DOWN	$\binom{8}{-}$ STRUCTURAL GRID LINE WITH DESIGNATION
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT			\bigcirc
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH			4400
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT	——O——	– PIPE TEE UP	SPACE IDENTIFICATION TAG
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE			
AUTO	AUTOMATIC	FIX	FIXTURE	PVMT	PAVEMENT		- FIFE TEE DOWN	
AVG		FLR	FLOOR	R	RISER	⊢	– UNION	BOILDING AREA (WITEN USED)
BFF		FLOR						AHU-02
BLDG	BUILDING	FOR			ROOF DRAIN (BOTTOM OUTLET)			EQUIPMENT IDENTIFICATION TAG
BO	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)	<u> </u>	END OF LINE CLEANOUT PLUG	
BOT	BOTTOM	FS	FLOOR SINK	REF	REFERENCE	<u>co</u>	-	
BSMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED	(FLOOR CLEANOUT	
BTWN	BETWEEN	FT	FOOT OR FEET	REQMT	REQUIREMENTS	<u>WCO</u>	I WALL CLEANOUT	
CA	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER	CO (CCO)-		- <u>SECTION WHERE CUT</u>
CI	CAST IRON	G	GAS	RM	ROOM	<u> </u>	YARD CLEANOUT (CLEANOUT TO GRADE)	A SECTION LETTER
CIP	CAST-IN-PLACE CONCRETE	GCO	GRADE CLEANOUT	RO	ROUGH OPENING	FD-1		P6.1 DRAWING WHERE SECTION IS INDICATED
CL	CENTERLINE	GWH		RV	RADON VENT	્		
				SAN	SOUTH	<u> </u>	FLOOR SINK WITH TAG	
		HP	HORSEPOWER	SAN	SCHEDULE			
CNTR	COUNTER	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING	(\mathcal{I})		Po. 1 DRAWING WHERE ENALRGED PLAN IS INDICAT
CO	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE		PRESSURE GAUGE WITH GAUGE COCK	DETAIL TAG
COL	COLUMN	HW	HOT WATER	SF	SQUARE FOOT/FEET		-	
CONC	CONCRETE	HWR	HOT WATER RETURN	SHT	SHEET	E		P61 DRAWING WHERE DETAIL IS INDICATED
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SIM	SIMILAR		LIQUID FILLED THERMOMETER	
CONSTR	CONSTRUCT(ION)	ID	INSIDE DIAMETER	SLT	SEALANT			SANITARY RISER TAG
CONT		IN		SOG	SLAB ON GRADE	A		S1 SANITARY RISER IDENTIFIER
CONTR	CONTRACT(-OR)	INSUL		SP		- I - •	WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE	P6.1 - DRAWING WHERE SANITARY RISER IS TAGGED
CORR		ΙΝν		SPEC	SPECIFICATION SPRINKLER		INSTITUTE SIZE INDICATED)	
CR	CLASSBOOM	KIT	KITCHEN	SQ	SOUARE	FS		DOMESTIC RISER TAG
CT	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN	-	– FLOW SWITCH	
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL	~		P6.1 DRAWING WHERE DOMESTIC RISER IS TAGGED
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING	<u> </u>	- TEMPERATURE/PRESSURE PLUG	
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD			\frown
CW	COLDWATER	LF		STL	STEEL		- VALVE	1 DETAIL TITLE
DB		LP		STOR	STORAGE		► VALVE IN RISER	
						Г		P2.2 P6.2 1/4 - 1 -0
	DRINKING FOUNTAIN	MATL		303P TD		₹	- GAS COCK	P2.4 DRAWING WHERE DETAIL IS INDICATED
DHR		MECH	MECHANICAL	ТНК	THICK(-NESS)	M		DRAWING WHERE DETAIL IS INDICATED
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	TLT	TOILET		- VENTORIFLOW METER	ADDITIONAL DRAWING REFERENCES
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE		 MANUAL BALANCING VALVE 	
DHW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	TOSL	TOP OF SLAB	אוא		S1 SANITARY RISER DIAGRAM
DI	DROP INLET	MIN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)		 AUTOMATIC BALANCING VALVE WITH FLOW TAPS 	
DIA	DIAMETER	MISC	MISCELLANEOUS	TYP	TYPICAL		- SWING CHECK VALVE	P2.2 P4.2 1/4"=1'-0"
DIP	DUCTILE IRON PIPE	MTD	MOUNTED	UG	UNDERGROUND			P2.3 SANITARY RISER DIAGRAM IDENTIFIER
DN	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE		 PRESSURE REDUCING VALVE 	
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A		V		S		ADDITIONAL DRAWING REFERENCES
DS DT		NC	NORMALLY CLOSED	VAC				
וע		NGV	NATURAL GAS NATURAL GAS VENT					
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF	T&P		
DWG	DRAWING	NO	NORMALLY OPEN	Ŵ	WEST	Į Å [⊢]	TEMPERATURE AND PRESSURE RELIEF VALVE	P2 2 P5 2 1/4"=1'-0"
DWP	DOMESTIC WATER BOOSTER PUMP	NO., (#)	NUMBER	W/	WITH		_	P2.3 DOMESTIC RISER DIAGRAM IDENTIFIER
E	EAST	NOM	NOMINAL	W/O	WITHOUT		- BACKWATER VALVE	P2.4 DRAWING WHERE DOMESTIC RISER IS INDICATED
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	WB	WATER HAMMER ARRESTER			DRAWING WHERE DOMESTIC RISER IS TAGGED
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WC	WATER CLOSET		- HOSE BIBB OR WALL HYDRANT	ADDITIONAL DRAWING REFERENCES
ELEV	ELEVATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WCO	WALL CLEANOUT			\frown
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WSHP	WATER SOURCE HEAT PUMP		REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER	/ G1、 FUEL GAS RISER DIAGRAM
	FOLIAL	ОН	OVERHEAD	WWF	WELDED WIRE FABRIC			
EQ				1.4.4.4.4.4				
EQ EQUIP		OPNG	OPENING		WELDED WIRE MESH		DOUBLE CHECK BACKFLOW PREVENTER	P2.2 P5.2 1/4"=1'-0"

ELECTRIC WATER HEATER SCHEDULE										
Ν		CARACITY		TEMDEDATIDE			ELECTRIC/	AL DATA		
NODEL	LOCATION	(GALLONS)	RATE (GPH) RISE (°F)		SETTING (°F)	INPUT RATE (kW)	VOLTAGE	PHASE	HERTZ	NOTES
EN-120A	EX BOILER ROOM	119	49	100	140	8	208	3	60	1

WATER HEATERS BASED ON FULL LOAD SIMULTANEOUS OPERATION.

THERMOSTATIC MIXING VALVE SCHEDULE								
SIGN	DESIGN FLOW	FLOW RANGE	MAX P.D. AT DESIGN	HW SYSTEM TE	MPERATURES	CONNEC	FION SIZE	NOTES
MODEL	(GPM)	(GPM)	FLOW (PSI)	INLET (°F)	OUTLET (°F)	INLET (IN)	OUTLET (IN)	NOTES
LFSH1434	20.00	0.50 - 40.0	5	140	120	1 1/2"	1 1/2"	1
LFLM495	0.50	0.50 - 4.00	5	120	105	1/2"	1/2"	2
19-2000-EFX8-R-B	4.00	1.50 - 5.00	5	120	85	1/2"	1/2"	3

IG VALVE ASSMEBLY WITH T/P GAUGES ON INLETS AND OUTLET. R ALL PUBLIC LAVATORIES AND SINKS. UNIT SHALL BE MOUNTED CONCEALED FROM VIEW BELOW FIXTURE. R ALL EMERGENCY FIXTURES. UNIT SHALL BE MOUNTED CONCEALED WITHIN CASEWORK DIRECTLY BELOW FIXTURE OR HIGH ABOVE CEILING DIRECTLY N FIXTURE TYPE AND INSTALLATION REQUIREMENTS.

1. PROVIDE ECM-CONTROLLED RECIRCULATION PUMP WITH INTEGRAL TEMPERATURE AND PRESSURE SENSORS AND LOGIC. UNIT SHALL BE FULLY ADJUSTABLE FOR VARYING FIELD CONDITIONS.

		PLUMBIN	NG FIXTURE SCHEDULI	Ξ						
					CON	INECTION S	IZE	1	LEED	
TAG	FIXTURE	HEIGHT A.F.F.	BASIS OF DESIGN	COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	USAGE DATA	NOTES
EW-1	DECK-MOUNTED SWING-ACTIVED EYEWASH (ACCESSIBLE)	DECK-MOUNTED	FIXTURE: GUARDIAN G1895 VALVE: TMV-3		1/2"		1 1/4"	1 1/4"		1, 6
EW-2	WALL-MOUNT EYE/FACE WASH (ACCESSIBLE)	SPRAYHEADS AT 36"	FIXTURE: BRADLEY S19224-0A1BEAD00 VALVE: TMV-3		1/2"		1 1/4"	1 1/4"		1, 6
HB-1	HOSE BIBB - DUAL-TEMPERATURE	CENTERLINE OF OUTLET AT 36"	FIXTURE: ZURN Z1327-EZ-VB	3/4"		3/4"				7
LA-1	WALL-HUNG LAVATORY	RIM AT 34"	FIXTURE: ZURN Z5340 FAUCET: ZURN Z81101-XL-3M	1/2"		1/2"	1 1/2"	1 1/2"	0.50 GPM	1, 3
MB-1	MOP BASIN (32" x 32")	RIM AT 12"	FIXTURE: FIAT TSB3001 FAUCET: ZURN Z843M1-XL-CS	1/2"		1/2"	2 1/2"	3"		7
SK-1	SINK - SINGLE BASIN (ACCESSIBLE)	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY LRADQ221955 FAUCET: ZURN Z812B4-XL-7F	1/2"		1/2"	1 1/2"	1 1/2"	1.00 GPM	1, 3, 4, 5
SK-2	SINK - DOUBLE BASIN WITH DRAINBOARDS PROVIDE DEDICATED FAUCET PER SINK BOWL	RIM AT 34"	FIXTURE: ELKAY E2C20X20-2-20X FAUCET: (2) T&S BRASS MPY-8WLN-12-CR	1/2"		1/2"	1 1/2"	1 1/2"	1.00 GPM	3, 4, 5
SK-3	SINK - LARGE SINGLE BASIN	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY DLRS332210 FAUCET: ZURN Z812B4-XL-7F	1/2"		1/2"	1 1/2"	1 1/2"	1.00 GPM	3, 4, 5
SK-4	SINK - SINGLE BASIN UTILITY	RIM AT 30"	FIXTURE: ELKAY B1C18X18X FAUCET: ZURN Z843J1-XL-7F	1/2"		1/2"	1 1/2"	1 1/2"	1.00 GPM	3, 4, 5
WB-1	WASHER BOX	CENTER AT 42"	FIXTURE: GUY GRAY WB200HATM	1/2"		1/2"	1 1/2"	2"		
WC-1	FLOOR-MOUNTED WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17"	FIXTURE: ZURN Z5665 FLUSH VALVE: ZURN Z6000AV-HET	1"			2"	4"	1.28 GPF	1, 2
WH-1	WALL HYDRANT	CENTERLINE OF OUTLET AT 18"	FIXTURE: WATTS HY-330	3/4"						

NOTES: 1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN. 2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS. 3. PROVIDE ASSE-1070 CERTIFIED MIXING VALVE BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW. 4. PROVIDE PLASTER TRAPS FOR ALL SINKS IN THROWING STUDIO AND HAND BUILDING STUDIO. PROVIDE PLASTER TRAP AT EACH SINK BOWL FOR DOUBLE BOWL SINK LOCATIONS. 5. PROVIDE TRAP TYPE ACID NEUTRALIZER EQUAL TO ZURN 29A-PHX FOR PRINT MAKING STUDIO SINKS AND SINKS OF SIMILAR FUNCTION. 6. PROVIDE ASSE-1071 CERTIFIED MIXING VALVE BELOW FIXTURE OR ABOVE CEILING CONCEALED FROM VIEW FOR ALL EMERGENCY FIXTURE LOCATIONS. 7. PROVIDE DUAL-TEMPERATURE HOSE BIBB ADJACENT TO MOP BASIN WITH ASSE-1052 BACKFLOW DEVICE. COORDINATE FINAL LOCATION WITH JANITORIAL CHEMICAL DISEPENSING STATION.

DRAIN AND CLEANOUT SCHEDULE								
TAG	BASIS OF	DESIGN	STRAINER/GRATE	NOTES				
170	MANUFACTURER	MODEL	Onvinervorvite	NOTEO				
FCO	ZURN	ZN1400	FLOOR CLEANOUT					
FD-1	ZURN	Z415B-P	6" x 6"	1				

<u>NOTES:</u> 1. PROVIDE TRAP PRIMER CONNECTION AND EXTENSION, SEE DETAIL.

GENERAL NOTES
A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK
B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.
C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.
D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.
E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.
F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.
G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

- H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS. I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

6

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLITION. PATCH AND REPAIR ANY

DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO

CONTRACTOR SHALL COORDINATE EQUIPMENT THAT IS TO BE SALVAGED WITH THE OWNER PRIOR TO DEMOLITION WORK BEGINNING.

DEMOLITION.

- **KEYNOTES**
- APPLIES TO DRAWINGS P1.1 REPRESENTED BY n
- 1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING, FITTINGS, AND ACCESSORIES COMPLETE BACK TO POINTS INDICATED. PIPES BELOW THE FLOOR THAT ARE NOT BEING RE-USED AS PART OF THE RENOVATION EFFORT SHALL BE REMOVED. REMOVE ALL DOMESTIC WATER, SANITARY, AND VENT PIPES BACK TO WALL OR FLOOR. VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.
- 2. REMOVE EXISTING DOMESTIC, ELECTRIC, TANK-TYPE WATER HEATER COMPLETE AND PREPARE FOR NEW CONNECTION.
- 1 EX 4" SAN ┢┲⋹⋹⋳╾╴╴╴╴╴╴╴╴╴╴╴ EX 4" SAN 🔶 ्रन्न====≣≡≡्व ੑਸ਼ੑਸ਼ੑੑ<u>ਸ਼</u>ਞ≢≡≡===ਜ਼ੑ੶ੑੑ _____ ============ EX 4" SAN ____ | **F**____ - __ **| F**____ = **4** EX 3" DCW-—EX 3" NG U (-)0 7 🔿 🗗 EX 3" DCW EX 3" NG____ EX BOILER EX BOILER 1329 MBH 1329 MBH

_ TREET, RI -7555 FA) -K S1 794-<u>0</u>4

AFFAIRS RENO CULTURAL 624801 ARLINGTON COUNTY GOVERNMENT 3700 S. FOUR MILE RUN DRIVE ARLINGTON PROJECT NO: 624801 DATE: DECEMBER 12, 2023 REVISIONS DATE DESCRIPTION 12.15.23 BID SET **DEMOLITION PLAN -**PLUMBING P1.1

KEYNOTES)	
APPLIES TO DRAWINGS	P2.0).1
REPRESENTED BY	n	

SANITARY UP TO FLOOR CLEANOUT.
 2"SAN-UP.
 4"SAN-UP.
 3"SAN PTRAP-UP.
 3"SAN-UP.

P2.0.1

1/8" = 1'-0"

16'

N FIRST FLOOR PLAN - DOMESTIC

16'

P2.1.2

PVC PIPE BEDDING DETAIL NO SCALE

FINAL BACKFILL: HAND-PLACED CLASS II MATERIAL. MECHANICALLY COMPACTED TO 95% PROCTOR IN 6" LAYERS.BACKFILL MATERIAL EARTH SHALL BE FREE OF STONES. -~~~~ SECONDARY BACKFILL: HAND-PLACED #10 SCREEINGS. MECHANICALLY COMPACTED TO 95% PROCTOR IN 6" 12" ABOVE LAYERS.BACKFILL MATERIAL SHALL TOP OF PIPE BE FREE OF STONES. -INITIAL BACKFILL: HAND PLACED SAND FILL TO DEPTH OF 1/2 THE PIPE DIAMETER -— 3"+ OF SAND BEDDING 12"+

NO SCALE

THERMOSTATIC MIXING VALVE DETAIL

FINAL BACKFILL: HAND-PLACED

6" LAYERS.BACKFILL MATERIAL

SHALL BE FREE OF STONES. -

SCREEINGS. MECHANICALLY

BE FREE OF STONES. -

NO SCALE

CLASS II MATERIAL. MECHANICALLY

COMPACTED TO 95% PROCTOR IN

INITIAL BACKFILL: HAND-PLACED #10

COMPACTED TO 95% PROCTOR IN 6"

CAST IRON PIPE BEDDING DETAIL

LAYERS.BACKFILL MATERIAL SHALL

CLEANOUT

WALL CLEANOUT DETAIL NO SCALE

FINISHED WALL MAY VARY IN MATERIAL. REFER TO ARCHITECTURAL DRAWINGS FOR WALL AND PARTITION TYPE DESIGNATIONS -ACCESS COVER -SECURING SCREW હ ≁_____ 1'-4" AFF

3. BRANCH PIPE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2") WATER HAMMER ARRESTOR DETAIL

NO SCALE

VENT TO EXTERIOR OF BUILDING

PRESSURE REGULATOR

VALVE WITH VENT

FINISHED FLOOR

(TYPICAL)

- 3" WASTE

STANDPIPE

— P-TRAP WITH CLEANOUT PLUG

0

CAP

AND PROVIDE INSECT SCREEN AND

U-WATER HAMMER

ARRESTORS (WHA-A)

- 1/2"DCW SUPPLY

- 1/2"DHW SUPPLY

TERMINATE THRU GOOSENECK

<u>NOTES:</u> 1. WATER HAMMER ARRESTOR. 2. BALL VALVE. VALVE SIZE SHALL BE EQUAL TO NOMINAL SIZE OF ARRESTOR

OUTLET (MINIMUM 1/2").

EARTH \land 12" ABOVE TOP OF PIPE ____/

> - 3"+ OF SAND BEDDING

RENO S AIR AF A 624801 ARLINGTON COUNTY GOVERNMEN 3700 S. FOUR MILE RUN DRIVE TUR. CUL **ARLINGTON** PROJECT NO: 624801 DATE: DECEMBER 12, 2023 REVISIONS DATE DESCRIPTION 12.15.23 BID SET DETAILS

TREET, RI -7555 FA) -K S⁻ 794-<u>0</u>4

GAS KILN (220 MBH)

GAS PIPING DIAGRAM

	GAS REGULATOR SCHEDULE												
		BASIS OF DESIGN		LOAD		PRESSURE				CONNECTION SIZE			
TAG	MANUFACTURER	MODEL	SPRING	SERVICE	MBH	INLET (PSI)	OUTLET (PSI)	ORIFICE	ANGLE	VENT (IN)	INELT (IN)	OUTLET (IN)	NOTES
GR-1	SENSUS	143-80-2 1" x 1"	GREEN 143-62-021-17	BAILEY GAS KILN	220	2 PSI	11"w.c.	3/8"	N/A	1"	1"	1"	2
GR-2	SENSUS	243-12-2	GREEN 143-16-021-05	EXISTING MECHANICAL BOILER	1,329	2 PSI	11"w.c.	3/4"	30°	1"	2"	2 1/2"	2
GR-3	SENSUS	243-12-2	GREEN 143-16-021-05	EXISTING MECHANICAL BOILER	1,329	2 PSI	11"w.c.	3/4"	30°	1"	2"	2 1/2"	2

PROVIDE REGULATOR WITH VENT LIMITER DEVICE.
 PROVIDE INCREASER AND DECREASER FITTINGS WHERE REQUIRED TO PROVIDE DESIRED INLET AND OUTLET CONNECTION SIZES TO VARYING REGULATOR BODY SIZES.

CONNECTED GAS LOAD SCHEDULE								
TAG	DESCRIPTION	LOCATION	INPUT (BTUH)					
EX-B-1	EX MECHANICAL BOILER	BOILER ROOM 136	1,329,000					
EX-B-2	EX MECHANICAL BOILER	BOILER ROOM 136	1,329,000					
KILN	BAILEY GAS KILN	GAS KILN ROOM 114	220,000					
TOTAL CONNECTED LOAD			2,878,000					

J				
1				
H				
G				
F				
D				
С				
B				
A				

	ABBREVIA
@	AT
AFF	ABOVE ABOVE FINISHED FLO
AFG AHU	ABOVE FINISHED GR AIR HANDLING UNIT
BLDG CL	BUILDING CENTERLINE
CLG COL	CEILING COLUMN
CONC	CONCRETE
CORR	CORRIDOR
CR CU	CLASSROOM CUBIC
CU FT DCW	CUBIC FEET DOMESTIC COLD WA
DEG	DEGREE(S)
DIA	
DIP DN	DOCTILE IRON PIPE DOWN
DP DS	DRY PIPE DOWNSPOUT
DTL DWG	DETAIL DRAWING
E ECGH	EAST
EF	EXHAUST FAN
EH-1 EH-2	EXTRA HAZARD GRO
ELEC EQ	ELECTRICAL EQUAL
EQUIP ET	EQUIPMENT EXPANSION TANK
ETR EWH	EXISTING TO REMAIL
EX	EXISTING
EXP F	FARENHEIT
FD FDC	FIRE DAMPER FIRE DEPARTMENT (
FG FH	FINISHED GRADE
FHC	
FHVC	FIRE HOSE VALVE C
FLR FP	FLOOR FIRE PROTECTION
FT FVC	FOOT OR FEET FIRE VALVE CABINE
GAL GPM	GALLON(S)
GUH	GAS-FIRED UNIT HEA
нв HD	HOSE BIB HEAD
HORIZ HP	HORIZONTAL HORSEPOWER
HW ID	HOT WATER
IN	
JAN	JANITOR
KIT KW	KITCHEN KILOWATT(S)
LAB LAV	LABORATORY LAVATORY
LBS LF	POUNDS LINEAR FOOT (FEET)
MATE	MATERIAL
MECH MFR	MECHANICAL MANUFACTURER
MH MIN	MANHOLE MINIMUM
MISC MTD	MISCELLANEOUS MOUNTED
N NA	
NC	NORMALLY CLOSED
NO	NOT IN CONTRACT
NO. OR # OC	NUMBER ON CENTER
OD OFCI	OUTSIDE DIAMETER OWNER FURNISHED
OFF OH-1	OFFICE ORDINARY HAZARD
OH-2	ORDINARY HAZARD
P PC	POMP PRECAST
PIV POLY	POST INDICATOR VA POLYETHYLENE
PREFAB PROJ	PREFABRICATE(D) PROJECT
PSF PSI	POUNDS PER SQUAF
PSIG	
R	RISER
REF REQ	REFERENCE REQUIRED
RM RPM	ROOM REVOLUTIONS PER I
RTU S	ROOF TOP UNIT
SAN	SANITARY
SD	SMOKE DAMPER
SHI SIM	SHEET SIMILAR
SP SPEC	STATIC PRESSURE SPECIFICATION
SPR SQ	SPRINKLER SQUARE
STD	STANDARD
STOR	STORAGE
SVV T	TEMPERATURE
THK TLT	THICK(NESS) TOILET
TOSL TYP	TOP OF SLAB TYPICAL
UG TIH	
UI	
UNU V	UNLESS NUTED (IND VOLTS
VERT W	VERTICAL WEST
W/ W/O	WITH WITHOUT
WH	WATER HEATER

VIATIONS		GRAPHICS SYM	BOLS LEGEND	
	<u> </u>	VALVE	[]	INDICATES AREAS OF THE BUILDING IN WHICH TH
HED FLOOR HED GRADE IG UNIT	X	GATE VALVE		SPACING OF HEADS IS BASED ON LIGHT HAZARD CLASSIFICATION PROVIDING A DENSITY OF 0.10 GI SQUARE FOOT OVER 1500 SQUARE FEET.
	→C	VALVE IN RISER		INDICATES AREAS OF THE BUILDING IN WHICH TH
ON		CHECK VALVE		SPACING OF HEADS IS BASED ON ORDINARY HAZ/ GROUP 1 CLASSIFICATION PROVIDING A DENSITY GPM PER SQUARE FOOT OVER 1500 SQUARE FEE
		SOLENOID VALVE		INDICATES AREAS OF THE BUILDING IN WHICH TH
OLD WATER		FLOW SWITCH		SPACING OF HEADS IS BASED ON ORDINARY HAZ/ GROUP 2 CLASSIFICATION PROVIDING A DENSITY GPM PER SQUARE FOOT OVER 1500 SQUARE FEE
R DEMOLITION	k	PRESSURE REDUCING VALVE		
N PIPE		DOUBLE CHECK BACKFLOW PREVENTER		INDICATES AREAS OF THE BUILDING IN WHICH THI SPACING OF DRY SPRINKLER HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20GPM PER SQUARE I
г	—— F ——	FIRE PROTECTION WET SPRINKLER PIPING		OVER 1500 SQUARE FEET.
	DP	FIRE PROTECTION DRY SPRINKLER PIPING	$7 \ \ \nabla \ \ $	INDICATES AREAS OF THE BUILDING THAT WILL RI ORDINARY HAZARD GROUP 1 ANITFREEZE PROTE BRANCHING FROM THE LINE THAT SERVES THE AN
LILING HEATER N	FG	FIRE EXTINGUISHING GAS PIPING		REFER TO ANTI-FREEZE DETAIL.
RD GROUP 2	\bigcirc	FIRE PROTECTION DRY SPRINKLER PIPING		INDICATES AREAS OF THE BUILDING IN WHICH THI SPACING OF HEADS IS BASED ON EXTRA HAZARD 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 DEP SOLVAPE FOOT OVER 2500 SOLVAPE FEET
τλικ		UNION		PER SQUARE FOUT OVER 2000 SQUARE FEET.
REMAIN ATER HEATER		PRESSURE GAUGE WITH GAUGE COCK		INDICATES AREAS OF THE BUILDING IN WHICH THI SPACING OF HEADS IS BASED ON EXTRA HAZARD 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 DEB SOLUARE FOOT OVER 2500 SOLUARE FEET
		PIPE TURNED DOWN		PER SQUARE FOUT OVER 2000 SQUARE FEET.
	o	PIPE TURNED UP		
	O	PIPE TEE UP	$\mathbf{\Theta}$	POINT OF CONNECTION TO EXISTING
ADINE I TATION ALVE CABINET		PIPE TEE DOWN	\overline{igodol}	LIMIT OF DEMOLITION
	□	PIPE CAP	30	KEYNOTE
ET CABINET	► 1/8"/FT	PITCH PIPE DOWN IN DIRECTION OF ARROW AT INDICATED SI OPE		
R MINUTE		FLOW IN DIRECTION OF ARROW	A123	SPACE IDENTIFICATION TAG
INIT HEATER		CONCENTRIC PIPE REDUCTION		SPACE NUMBER
		ECCENTRIC PIPE REDUCTION		
ETER		PUMP	<u>AHU-02</u>	EQUIPMENT IDENTIFICATION TAG
R INSULATION		FIRE DEPARTMENT CONNECTION		UNIT DESIGNATION
) Y	•	PENDANT SPRINKLER HEAD		
	●C	CONCEALED PENDANT SPRINKLER HEAD	(8)	STRUCTURAL GRID LINE WITH DESIGNATION
T (FEET) RD	●E	EXTENDED COVERAGE PENDANT SPRINKLER HEAD		
	● CE	CONCEALED EXTENDED COVERAGE PENDANT SPRINKLER HEAD		SECTION LETTER
RER	×	PENDANT SPRINKLER HEAD WITH GUARD	M6.1	
OUS	0	UPRIGHT SPRINKLER HEAD		ENLARGED PLAN WHERE CUT ENLARGED PLAN NUMBER
	OE	EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD	M2.5	DRAWING WHERE ENALRGED PLAN IS INDICATED
ABLE/AVAILABLE CLOSED	×	UPRIGHT SPRINKLER HEAD WITH GUARD		DETAIL TAG DETAIL NUMBER
FRACT DPEN	⊲	SIDEWALL SPRINKLER HEAD	M4.1	DRAWING WHERE DETAIL IS INDICATED
	⊲e	EXTENDED COVERAGE SPRINKLER HEAD		
METER NISHED CONTRACTOR INSTALLED	⊄CE	CONCDEALED EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD	M2 2 M4 1 1/4"=1'-0"	
AZARD GROUP 1 AZARD GROUP 2	-0	EXTINGUISHING AGENT DISCHARGE NOZZLE	M2.3 M2.4 DET DRA DRA	AIL NUMBER WING WHERE DETAIL IS INDICATED WING WHERE DETAIL IS CUT
	ÞĦ	COMBINATION AUDIBLE AND STROBE ALARM	ADD	ITIONAL DRAWING REFERENCES
NOR VALVE ENE TE(D)	F	MANUAL PULL STATION	A SEC	TION TITLE
	A	ABORT SWITCH	M2.2 M3.1 1/4"=1'-0"	
R SQUARE INCH R SQUARE INCH GAUGF		IONIZATION SMOKE DETECTOR	M2.4	WING WHERE SECTION IS INDICATED WING WHERE SECTION IS CUT
CHLORIDE		PHOTOELECTRIC SMOKE DETECTOR	ADD	ITIONAL DRAWING REFERENCES

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DICATED TED (INDICATED) OTHERWISE

GENERAL NOTES

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK. COORDINATE THE LOCATION OF ALL SPRINKLER PIPING WITH THE WORK OF OTHER TRADES. SPRINKLER PIPING SHALL NOT BE INSTALLED WHERE ITS LOCATION INHIBITS ACCESS TO EQUIPMENT ABOVE THE CEILING, FILTER ACCESS OR INFRINGES UPON CLEARANCES DICTATED BY THE NATIONAL ELECTRIC CODE.

VERIFY DIMENSIONS AND ROUTING IN FIELD BEFORE FABRICATION OF PIPING AND FIXTURES.

REFER TO THE LIFE SAFETY PLAN FOR LOCATIONS OF FIRE AND SMOKE SEPARATION ASSEMBLIES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

THE ENTIRE AREA BEING RENOVATED SHALL BE FULLY SPRINKLERED WITH A HYDRAULICALLY DESIGNED WET PIPE SPRINKLERS SYSTEM FED FROM EXISTING BUILDING FIRE SPRINKLER SYSTEM IN ACCORDANCE w/ 2018 VIRGINIA STATEWIDE BUILDING CODE, 2016 NFPA 13 AND LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS. CALCULATIONS SHALL BE BASED OFF OF A CURRENT WATERFLOW TEST PERFORMED WITHIN (1) YEAR OF SUBMISSION OF FIRE PROTECTION SHOP DRAWINGS. PROVIDE COMPLETE FIRE PROTECTION SPRINKLER SYSTEM INSTALLATION DRAWINGS PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VIRGINIA OR BY A NICET LEVEL III OR IV TECHNICIAN CERTIFIED IN WATER BASED LAYOUT DESIGN. PLANS AND COVER SHEETS OF HYDRAULIC CALCULATIONS SHALL BE LEGIBLY SIGNED, CERTIFIED AND DATED BY THE PREPARER.

SPRINKLER PIPING SHALL NOT TRAVERSE THROUGH ELECTRICAL ROOMS AND SIMILAR SPACES.

ALL SYSTEM DRAINS SHALL BE PIPED TO THE OUTSIDE OF BUILDING TO AN APPROVED LOCATION UNLESS COORDINATED w/ PLUMBING ENGINEER PRIOR TO DISCHARGING INTO JANITORS SINK. FIRE SPRINKLER SHOP LEVEL DRAWINGS COMPLYING WITH NFPA 13 2016 EDITION SHALL BE SUBMITTED TO ARLINGTON COUNTY FOR REVIEW.

SPRINKLER HEADS

IN SUSPENDED ACOUSTICAL OR GYPSUM CEILINGS: PROVIDE CONCEALED, QUICK RESPONSE, TYPE SPRINKLERS w/ WHITE COVER PLATE.

FOR HORIZONTAL SIDEWALL APPLICATIONS: PROVIDE RECESSED, QUICK RESPONSE GLASS BULB TYPE SPRINLKERS w/ CHROME FINISH AND MATCHING TWO-PIECE ESCUTCHEON.

IN AREAS EXPOSED TO FREEZING TEMPERATURES: PROVIDE QUICK RESPONSE, FUSIBLE LINK TYPE DRY SPRINKLERS. IN ROOMS WITHOUT SUSPENDED CEILINGS: PROVIDE STANDARD UPRIGHT, QUICK RESPONSE TYPE SPRINKLERS w/ BRASS FINISH.

N WHICH THE HT HAZARD TY OF 0.10 GPM PER

S

=

WHICH THE DINARY HAZARD A DENSITY OF 0.15 QUARE FEET.

WHICH THE DINARY HAZARD A DENSITY OF 0.20 QUARE FEET.

N WHICH THE S BASED ON ICATION R SQUARE FOOT

HAT WILL REQUIRE EEZE PROTECTION, RVES THE AREA.

N WHICH THE RA HAZARD GROUP ITY OF 0.30 GPM RE FEET.

I WHICH THE RA HAZARD GROUP ITY OF 0.40 GPM RE FEET.

FIRE PROTECTION DEMOLITION KEYNOTES APPLIES TO DRAWINGS FP2.1.1 REPRESENTED BY

REMOVE ALL FIRE SPRINKLERS, PIPING AND ALL EQUIPMENT ASSOCIATED WITH FIRE SPRINKLER SYSTEM IN THIS AREA TO ACCOMMODATE RENOVATIONS IN THIS SPACE.

FIRE PROTECTION KEYNOTES APPLIES TO DRAWINGS FP2.1.2 REPRESENTED BY n

- PROVIDE NEW FIRE SPRINKLER HEADS, PIPING AND EQUIPMENT ACCOMMODATE RENOVATIONS TO THIS SPACE.
- 2. PROVIDE PENDENT TYPE FIRE SPRINKLERS IN THIS AREA. 3. PROVIDE UPRIGHT FIRE SPRINKLERS IN THIS AREA.
- 4. TIE INTO EXISTING 4" FIRE SPRINKLER MAIN TO FEED NEW FIRE SPR IN RENOVATED AREA AT THIS LOCATION.
- 5. PROVIDE HIGH TEMPERATURE FIRE SPRINKLERS IN THIS ROOM.
- PROVIDE UPRIGHT SPRINKLERS ABOVE CEILINGS IN THIS AREA PER REQUIREMENTS FOR AREA WITH "CLOUD CEILINGS'.

6	
N THIS AREA TO	
PRINKLER PIPING	
ER NFPA 13	

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230 PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS COM

	FAN SCHEDULE															
		MODEL			AIRFLOW	ESP	FAN WHEEL	DRIVE			MOTOR	ELEC	FRICAL	DATA	WEIGHT	
TAG	MANUFACTURER	NUMBER	SERVING	TYPE	(CFM)	(IN WC)	(RPM)	TYPE	SONES	CONTROL METHOD	(HP)	(V)	(PH)	(HZ)	(LBS)	NOTES
F-01	GREENHECK	CUE-090-VG	PRINT MAKING FUME HOOD	CENTRIFUGAL ROOF UPBLAST	1,270	0.30	1631	DIRECT	8.0	SWITCH ON HOOD	1/10	120	1	60	25	1
F-02	GREENHECK	SP-B80	112A TOILET	CEILING	70	0.25	900	DIRECT	0.8	WALL SWITCH	13 WATTS	120	1	60	10	2
F-03	F-03 GREENHECK G-130-VG STUDIOS AND JANITOR ROOF MTD. CENTRIFUGAL 1,280 0.00 1317 DIRECT 10.9 BAS SCHEDULE 1/2 120 1 60 60 1															
NOTES 1. PRC 2. PRC	NOTES: 1. PROVIDE 18" ROOF CURB, GRAVITY BACKDRAFT DAMPER, AND NON-FUSED, NEMA 3R, MOUNTED AND WIRED DISCONNECT SWITCH. 2. PROVIDE ROUND DUCT CONNECTOR, 6" TO 4" REDUCER, 18" ROOF CURB, RCC-7 CURB CAP, AND WALL-MOUNTED MOTION DETECTOR SWITCH WITH ADJUSTABLE TIMER. LOCATE SWITCH ADJACENT TO LIGHT SWITCH.															

GRILLE, REGISTER, AND DIFFUSER SCHEDULE								
						MAX NC		
TAG	MANUFACTURER	MODEL NUMBER	MOUNTING STYLE	NECK SIZE	FACE SIZE	LEVEL	NOTES	
S1	PRICE INDUSTRIES	ASPD	LAY-IN	6	24x24	25	1	
S2	PRICE INDUSTRIES	ASPD	LAY-IN	8	24x24	25	1	
S3	PRICE INDUSTRIES	ASPD	LAY-IN	10	24x24	25	1	
S4	PRICE INDUSTRIES	TBD3100-AFI-TC1	LAY-IN	8	-	25	2	
S5	PRICE INDUSTRIES	TBD3100-AFI-TC1-CN	LAY-IN	10	-	25	3	
S6	PRICE INDUSTRIES	TBD3100-AFI-TC1-CN	LAY-IN	8	-	25	3	
S7	PRICE INDUSTRIES	ASPD	SURFACE	6	12x12	25	1	
S8	PRICE INDUSTRIES	RSG-SD-RD	DUCT-MOUNTED	8	-		4	
S9	PRICE INDUSTRIES	610	SURFACE	22x22	-	25	-	
R1	PRICE INDUSTRIES	630	LAY-IN	20x20	24x24	25	-	
R2	PRICE INDUSTRIES	630	LAY-IN	12x12	24x24	25	-	
E1	PRICE INDUSTRIES	630	LAY-IN	6x6	-	25	-	
E2	PRICE INDUSTRIES	SDGER	DUCT-MOUNTED	16x10	-	25	-	

NOTES: 1. PROVIDE RADIAL OPPOSED-BLADE DAMPER IN NECK.

2. PROVIDE 24" LONG SLOT DIFFUSER AND SLOPED SHOULDER PLENUM WITH FOUR 1" SLOTS, EXTERNAL ALUMINUM FOIL-BACKED INSULATION AND TEE BAR CLIPS ON INLET SIDE. 3. PROVIDE 48" LONG SLOT DIFFUSER AND SLOPED SHOULDER PLENUM WITH FOUR 1" SLOTS, EXTERNAL ALUMINUM FOIL-BACKED INSULATION, CENTER NOTCH, AND TEE BAR CLIPS ON INLET SIDE. I. PROVIDE SINGLE DEFLECTION GRILLE WITH 1 INCH BLADE SPACING AND EXPOSED ROUND DUCT FRAME.

GRAVITY VENT SCHEDULE								
TAG	MANUFACTURER	MODEL NUMBER	SERVING	FUNCTION	AIRFLOW (CFM)	PRESSURE DROP (IN WC)	WEIGHT (LBS)	NOTES
GV-1	GREENHECK	FGI-36x36	GAS KILN	INTAKE	2,100	0.010	210	1,2
GV-2	GREENHECK	FGI-28x28	SPRAY BOOTH	INTAKE	1,750	0.020	158	3
NOTES 1. PRC 2. INTE 3. PRC	NOTES: 1. PROVIDE 18" ROOF CURB, 115-VOLT MOTORIZED DAMPER WITH END SWITCH, AND INSECT SCREEN. 2. INTERLOCK DAMPER OPERATION WITH MASTER SWITCH FOR KILN. WIRE IN SERIES WITH DRAFT INDUCER FAN AND KILN. 3. PROVIDE 18" ROOF CURB, GRAVITY-OPERATED BACKDRAFT WITH SPRING CLOSURE (WD-410), AND INSECT SCREEN.							

		_		
EC	QUIPMENT ABBREVIATION			ABBRE
B CUH F CU GV HP HWC HWP RTU TU	BOILER CABINET UNIT HEATER FAN FAN COIL UNIT GRAVITY VENTILATOR HEAT PUMP HOT WATER COIL HOT WATER PUMP ROOFTOP UNIT TERMINAL UNIT		A AD AFF ALT APD BHP BTUH CFM CHWR CHWR CHWS CLG	AMPERE(S) ACCESS DOOR ABOVE FINISHEE ALTERNATE AIR PRESSURE E BRAKE HORSEPO BRITISH THERMA CUBIC FEET PER CHILLED WATER CHILLED WATER COOLING
		1	COM CWR CWS D	COMMON CONDENSER WA CONDENSER WA DRAIN
	INTROLS ABBREVIATIONS		DB dBA	
AF AI ALM AMS AO ATS BAS BI BO	AIRFLOW ANALOG INPUT TO CONTROLLER ALARM AIRFLOW MEASURING STATION ANALOG OUTPUT FROM CONTROLLER AVERAGING TEMPERATURE SENSOR BUILDING AUTOMATION SYSTEM BINARY INPUT TO CONTROLLER BINARY OUTPUT FROM CONTROL FR		DCW DIA DN EA EAT EER EQ ESP	DOMESTIC COLD DIAMETER DOWN DRAWING EXHAUST AIR ENTERING AIR TI ENERGY EFFICIE EQUAL EXTERNAL STAT
CO2 CSR	CARBON DIOXIDE SENSOR CURRENT-SENSING RELAY		EWT EX	ENTERING WATE

DM

DP DPT

FM

FΖ

HS

POS

R

SD

SPD

SS

STS

TS

VFD

DAMPER MOTOR

FLOW METER

FREEZESTAT

POSITION

RELAY

SPEED

STATUS

START/STOP

HUMIDITY SENSOR

SMOKE DETECTOR

TEMPERATURE SENSOR VARIABLE-FREQUENCY DRIVE

DIFFERENTIAL PRESSURE

DIFFERENTIAL PRESSURE TRANSMITTER

CLG	COOLING
COM	COMMON
CWR	CONDENSER V
CWS	
D	
DN	
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR
EER	ENERGY EFFIC
EQ	EQUAL
ESP	EXTERNAL STA
EWT	ENTERING WA
EX	EXISTING
F	DEGREES FAH
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AM
FO	
GAI	GAUGE GAULON(S)
GPH	GALLONS PER
GPM	GALLONS PER
HP	HORSEPOWER
HPWR	HEAT PUMP W
HPWS	HEAT PUMP W
HTG	HEATING
HWR	HOT WATER R
HWS	HOT WATER SI
HX	HEAT EXCHAN
HZ	HERTZ
IN	INCH
KW	KILOWATT(S)
MBH	
MCA	
MER	MANUFACTUR
MIN	MINIMUM
MOCP	MAXIMUM OVE
MOD	MOTOR-OPER/
NC	NORMALLY CL
NC	NOISE CRITER
NIC	NOT IN CONTR
NO	NORMALLY OP
OA	OUTSIDE AIR
OAC	OPENING ABO
PSIG	
RA	RETURN AIR
RD	REFRIGERANT
RH	RELATIVE HUM
RL	REFRIGERANT
RPM	REVOLUTIONS
RS	REFRIGERANT
SA	SUPPLY AIR
SEER	SEASONAL EN
TD	TRANSFER DU
IYP	
UNO	
V	
VD VED	
W	
W/	WITH
W/O	WITHOUT
WB	WET BULB TEN
WC	WATER COLUN
WPD	WATER PRESS
WWM	WELDED WIRE

TESTING, ADJUSTING AND BALANCING

PRE-PROJECT TESTING, ADJUSTING AND BALANCING (TAB) SCOPE: PRIOR TO COMMENCING THE WORK, MEASURE THE TOTAL SUPPLY AIRFLOW, TOTAL RETURN AIRFLOW, AND OUTDOOR AIRFLOW FOR EXISTING ROOFTOP UNIT, RTU-2. MEASURE SUPPLY AND RETURN AIRFLOWS IN DUCT MAINS PRIOR TO ANY TAKEOFFS.

RECORD THE RESULTS AND SUBMIT A REPORT OF THE FINDINGS TO THE ARCHITECT FOR REVIEW. RTU-2 ASSUMPTIONS FOR DESIGN:

SUPPLY AIRFLOW: 5,415 CFM OUTDOOR AIRFLOW: 1,400 CFM

HVAC CONTROLS SCOPE

- BUILDING AUTOMATION SYSTEM (BAS) SCOPE:
- 1. HVAC CONTROLS SHALL BE SOLE-SOURCED TRANE CONTROLS PROVIDED BY BOLAND. 2. EXHAUST FAN CONTROL (BAS SCHEDULE)
- a. CONTROL OPERATION OF EXHAUST FAN, F-03, BASED ON A TIME-OF-DAY SCHEDULE PROVIDED BY THE OWNER. • DURING UNOCCUPIED HOURS, THE FAN SHALL BE OFF.
- DURING OCCUPIED HOURS, THE FAN SHALL BE ON. b. FAN FAILURE ALARM
- IF THE FAN FAILS TO START (AS SENSED BY A CURRENT-SENSING RELAY), AN ALARM SHALL BE SENT TO THE BUILDING CONTROLLER IDENTIFYING THE FAN AND INDICATING A FAILURE TO START. . REMOVE AND REINSTALL SIX EXISTING ZONE SENSORS, TWO EXISTING
- REHEAT COIL ZONE SENSORS, AND ONE EXISTING RTU-2 ZONE SENSOR AS INDICATED ON THE DEMOLITION FLOOR PLAN. COIL WIRING AND SECURELY STOW SENSORS DURING DEMOLITION AND CONSTRUCTION. INSTALL WHERE INDICATED ON DRAWING M2.1 FIRST FLOOR PLAN.
- THE UPDATED ARRANGEMENT OF EQUIPMENT INCLUDING THE ADDED FANS AND THE VAV TERMINAL UNITS NO LONGER USED.

EVIATIONS		GRAPH	IC SYMBOL LEGENI)
	CORRIDOR	SPACE TAG – SPACE NAME		
		— SPACE NUMBER — BUILDING "PART" NUMBER	M2.2 M5.1 1/4"="	
DROP POWER	۵HU-12	IN MULTI-PART BUILDING	M2.4	DRAWING WHERE DETAIL IS INDICATED
AL UNITS PER HOUR		EQUIPMENT TAG		ADDITIONAL DRAWING REFERENCES
R RETURN				
R SUPPLI		EQUIFINIENT ADDREVIATION		
ATER RETURN		DIFFUSER, GRILLE OR REGISTER TAG	M2.3 M2.4	SECTION NUMBER
IATER SUPPLY	<u>S1</u>	SCHEDULE		DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS REFERENCED
PERATURE	325	- AIRFLOW (CFM)		ADDITIONAL DRAWING REFERENCES
LD WATER		DETAIL TAG		SECTION CALLOUT
		- DETAIL NUMBER	M4.	DRAWING WHERE SECTION IS INDIC
		- DRAWING WHERE DETAIL IS INDICATED		
	15	KEYNOTE	$\left[\begin{array}{c} \end{array} \right] \left(1 \right)$	ENLARGED PLAN CALLOUT
IENCT RATIO			M3.	DRAWING WHERE ENLARGED PLAN
ITIC PRESSURE FER TEMPERATURE	(c)	STRUCTURAL GRID LINE WITH DESIGNATION		
RENHEIT				MECHANICAL FOUIPMENT WITH REQUIE
		EXISTING TO BE REMOVED		SERVICE CLEARANCE INDICATED
PS				
JTE		DUC	TWORK LEGEND	
HOUR	18x8	RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)		MANUAL BALANCING DAMPER IN DUCT
MINUTE	19.4			
ATER RETURN	100	ROUND DUCT SIZE	•	
ATER SUPPLY	18/12	FLAT OVAL DUCT SIZE		SMOKE DAMPER IN DUCT
ETURN JPPLY			· • •	-
GER	18ø	DOUBLE WALL, EXPOSED DUCT		COMBINATION FIRE/SMOKE DAMPER IN
	18ø	FABRIC DUCT		FIRE DAMPER WITH SECURITY BARS IN
EMPERATURE			SB •	-
R TEMPERATURE	10000000000000000000000000000000000000	FLEXIBLE DUCTWORK		SMOKE DAMPER WITH SECURITY BARS
D BTUH				COMBINATION FIRE/SMOKE DAMPER W
		FLEXIBLE CONNECTOR	SB	SECURITY BARS IN DUCT
-r	SD	DUCT-MOUNTED SMOKE DETECTOR		
RCURRENT PROTECTION				
OSED (FOR PLANS, DETAILS) A (FOR SCHEDULES)	[]	DUCT WITH DUCT LINER		SMOKE CONTROL MANUAL BALANCING
ACT		DUCT ACCESS DOOR	<u>м</u>	-
				SMOKE CONTROL MOTORIZED DAMPER
/E CEILING		DUCT WITH END CAP		SECURITY BARS IN DUCT
SHED CONTRACTOR INSTALLED		LINEAR SLOT DIFFUSER, LENGTH AS INDICATED		
QUARE INCH GAUGE		LINEAR BAR GRILLE, LENGTH AS INDICATED		
DISCHARGE	\square	SUPPLY DIFFUSER		SUPPLY/MAKEUP AIR DUCT SECTIONS
			TO AWA'	
PER MINUTE SUCTION		RETURN OR EXHAUST GRILLE		RETURN AIR DUCT SECTIONS
ERGY EFFICIENCY RATIO		SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL		EXHAUST AIR DUCT SECTIONS
СТ	$\mathbf{\Theta}$	POINT OF CONNECTION TO EXISTING	SD	SMOKE DETECTOR
D (INDICATED) OTHERWISE TS		LIMIT OF DEMOLITION	Ē	HUMIDITY SENSOR
		SUPPLY AIRFLOW ARROW	\bigcirc	THERMOSTAT, LINE VOLTAGE
	→ →	RETURN OR EXHAUST AIRFLOW ARROW	T	THERMOSTAT, LOW VOLTAGE
	▲UC	DOOR UNDERCUT	S	TEMPERATURE SENSOR
IPERATURE	▲ DL	DOOR LOUVER	©	CARBON DIOXIDE SENSOR
	<u>∎</u>	SENSOR WELL	CM	CARBON MONOXIDE SENSOR
MESH				

4. PROVIDE UPDATED BAS GRAPHICS AT THE BAS HEAD END REFLECTING

GENERAL NOTES

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- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY OR THE GREATER QUANTITY OF WORK.
- B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITIVELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURER'S BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE, CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND
- CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION. C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0"

CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS,

SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS. D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE

WORK.

- E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

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- G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.
- H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED. I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL
- REPLACEMENT. J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE
- MANUFACTURER'S INSTALLATION INSTRUCTIONS. K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM
- ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR. L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID,
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.
- N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.
- O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS.

LIFE SAFETY SYMBOL LEGEND APPLIES TO LS SERIES OF DRAWINGS ONLY DESIGNATOR MATRIX WALL BARRIER 1 HR FIRE **| | | | | | | | | |** 2 HR FIRE NOTES: 1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION. 2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS 3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 ANI SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.

FIRST FLOOR PLAN - DUCTWORK

FIRE-RATED ASSEMBLIES

1. REFER TO DRAWING LS1.1 FOR COMPLETE LIFE SAFETY SYMBOL LEGEND FOR FIRE-RATED ASSEMBLIES. 2. REFER TO FIRE RATED ASSEMBLIES SCHEDULE ON DRAWING LS1.1 FOR UL DESIGN NUMBER OF RATED PARTITIONS - UL U419 UNLESS NOTED OTHERWISE.

KEYNOTES APPLIES TO THIS DRAWING

- 8ø B-VENT EXHAUST FROM RESIDUAL HOOD ON KILN. EXHAUST FAN FURNISHED BY KILN MANUFACTURER. PROVIDE VENT FROM HOOD OUTLET TO FAN AND FROM FAN OUTLET TO GOOSENECK ON ROOF. TERMINATE OUTLET 4 FEET ABOVE ROOF SURFACE.
- 8ø STAINLESS STEEL EXHAUST VENTING FOR COMBUSTION HOOD FURNISHED WITH KILN AND INSTALLED BY CONTRACTOR. ROUTE VERTICALLY TO ROOF. TERMINATE WITH KILN MANUFACTURER-SUPPLIED CAP 4 FEET ABOVE ROOF SURFACE.
- 4ø KILN EXHAUST VENT UP FROM FAN TO GOOSENECK ON ROOF. TERMINATE OUTLET 4 FEET ABOVE ROOF SURFACE.
- 12ø EXHAUST DUCT FROM SPRAY BOOTH EXHAUST FAN. FAN PROVIDED BY SPRAY BOOTH MANUFACTURER. ROUTE DUCT FROM FAN OUTLET TO GOOSENECK ON ROOF. TERMINATE OUTLET 4 FEET ABOVE ROOF SURFACE.
- 36x36 COMBUSTION AIR DUCT DOWN FROM GV-1 ON ROOF. WIRE MOTORIZED DAMPER AT GV-1 AND INTERLOCK WITH KILN OPERATION.
- 6 4" METAL WALL CAP. CENTER AT 11'-5" AFF.
- 7 16x16 EXHAUST DUCT UP TO F-03 ON ROOF.
- 8 PROVIDE WELDED WIRE MESH ACROSS DUCT OPENING. 9 ROUTE 12x12 TRANSFER DUCT THROUGH WALL AND COVER
- OPENING WITH WELDED WIRE MESH. 10 12"ø EXHAUST DUCT UP TO FAN ON ROOF.
- 11 PROVIDE DUCT END CAP AND SEAL AIRTIGHT.

12/12/23

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	ROC 1/8" = 1	DF PLAN '-0"

KEYNOTES APPLIES TO THIS DRAWING

- 1 12ø EXHAUST GOOSENECK FROM SPRAY BOOTH. DIRECT OF AWAY FROM SKYLIGHT. REFER TO SECTION 1/DWG M2.1.
 2 4ø EXHAUST GOOSENECK FROM ELECTRIC KILN THROUGH 12"x12"x14" HIGH ROOF CURB.
- 3 8ø EXHAUST FROM GAS KILN COMBUSTION HOOD THROUGH 16"x16"x14" HIGH ROOF CURB.
- 4 8ø EXHAUST FROM GAS KILN RESIDUAL HOOD THROUGH 16 HIGH ROOF CURB.
- 5 6ø EXHAUST CURB CAP ON 12"x12"x14" HIGH ROOF CURB.

OUTLET
Н
GH
16"x16"x14"

Lic. No. 037741

OPEN END DUCT DETAIL

NOTES: 1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP. 2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR METAL DUCTS. BRANCH CONNECTION TO DIFFUSER DETAILS

DUCT INSULATION JOINT DETAIL

- INSULATION JOINT. PLACE

- VAPOR-RETARDER MASTIC

ON SIDE OF DUCT.

— TAPE

GOOSENECK DETAIL

FIRE DAMPER INSTALLATION DETAIL - TYPE B (VERTICAL)

L = 12" OR 1/2 W, WHICHEVER IS GREATER AIRFLOW W _ /___

NOTES:

1. APPLIES WHERE "W" EXCEEDS 24" OR WHEN AIRFLOW EXCEEDS 1,500 CFM.

DIVIDED FLOW BRANCH DETAILS

- A. WHERE "W" IS LESS THAN 24" B. ROUND DUCT BRANCHES TO DIFFUSERS
- C. WHEN AIRFLOW IS EQUAL TO OR LESS THAN 1,500 CFM.

AIRFLOW

STEEL SLEEVE

TOTAL CLEARANCE

- 1/4" MINIMUM

DETAILS

	FI
SYMBOL	DESCRIPTION
	FIRE ALARM AUDIO/VISUAL NO SUBSCRIPT NUMBER INDICATE
\triangle_{xx}	FIRE ALARM VISUAL STROBE N NUMBER INDICATES STROBE C
	FIRE ALARM AUDIO/VISUAL NO INDICATES STROBE CANDELA I
↓ ↓ xx	FIRE ALARM VISUAL STROBE N INDICATES STROBE CANDELA I
F	FIRE ALARM MANUAL PULL STA
FK	FIRE ALARM KEY OPERATED M
SD	FIRE ALARM DUCT SMOKE DET DIVISION 23. VERIFY LOCATION OPERATED REMOTE TEST SWI
S	SMOKE DETECTOR, CEILING M
(H)	HEAT DETECTOR, CEILING MOU
TS	FIRE ALARM TAMPER SWITCH,
FS	FIRE ALARM FLOW SWITCH, PR
\mathbb{P}	POST INDICATOR VALVE SWITC
ß	FIRE ALARM PRESSURE SWITC
R	FIRE ALARM REMOTE INDICATO
M	FIRE ALARM MONITOR MODULE QUANTITY AND IN LOCATIONS I
©	FIRE ALARM CONTROL MODUL PROVIDE QUANTITY AND IN LO
₿	FIRE ALARM SPRINKLER BELL,
Μ	FIRE ALARM MAGNETIC DOOR HINGED MAGNETIC CATCH PLA LENGTH WITH DIVISION 08. PRO CONTROL MODULE IF REQUIRE
М	FIRE ALARM DOOR HOLDER/CL INTERFACE WITH FIRE ALARM
	FIRE ALARM/POWER CONNECT WITH DIVISION 23. REFER TO T

FIRE ALARM SYSTEM NOTE: FIRE ALARM SHOP DRAWING SHALL COMPLY WITH NFPA

		POWER LEGEND
	SYMBOL	
NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96".	Ŷ	APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
ATES STROBE CANDELA RATING.	P	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
BE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT BE CANDELA RATING.	Ф	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
NOTIFICATION DEVICE, CEILING MOUNTED, SUBSCRIPT NUMBER	♠	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6"AFF.
ELA RATING.		DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
BE NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER ELA RATING.	슈	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
	Ŷ	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
D MANUAL DULL OTATION MOUNT AT 10 4014	Ģ	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
D MANUAL PULL STATION, MOUNT AT +3'-10"AFF.	₽	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
TION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY SWITCH FOR EACH DETECTOR.	甲	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
G MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.		DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.	$\square^{\#}$	POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
CH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.		LINE VOLTAGE THERMOSTAT. DIVISION 23 FURNISH, DIVISION 26 INSTALL. REFER TO DIVISION 23
I, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.		DRAWINGS FOR LOCATIONS AND QUANTITY.
NITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.		PUSHBUTTON CONTROLLER.
VITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.		PUSHBUTTON.
CATOR, CEILING MOUNT.		CORD REEL OUTLET, CEILING MOUNT.
DUILE NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE		[NON-] METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6"AFF, UNO.
INS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.	(\mathbf{j})	
DULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS.		
I LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.	<u>C</u> ₿	
ELL, MOUNT AT +10'-0"AFF.		MOSHROOM SWITCH, HEAVY DUTT WITH LEGEND PLATE. MOUNT W/HANDLE AT +3-10 AFF, UNC.
OR HOLDER, WALL MOUNT DEVICE AT 6" BELOW TOP OF DOOR. PROVIDE		'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT W/HANDLE AT +3'-10"AFF, UNO.
PROVIDE CONCEALED 120-VOLT POWER CONNECTION AND FIRE ALARM	C	DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT W/HANDLE AT +4'-6"AFF, UNO.
R/CLOSER HARDWARE UNDER DIVISION 08, MONITOR AND CONTROL RM UNDER DIVISION 28.		MAGNETIC MOTOR STARTER, WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS MOUNT W/HANDLE AT +4'-6"AFF, UNO.
IECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE O TYPICAL FIRE/SMOKE DAMPER DIAGRAM.	R	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH. WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS MOUNT W/HANDLE AT + 4'-6"AFF, UNO.
	E	EQUIPMENT POWER CONNECTION.
	6	MOTOR CONNECTION.
	<u> </u>	CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.
A 72-16 ED AND SHALL BE SUBMITTED TO ARLINGTON COUNTY FOR REVIEW.	EL	POWER FOR ELECTRIC DOOR LOCK CONNECTION.
	ES	POWER FOR ELECTRIC DOOR STRIKE CONNECTION.
		BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW

SLAB.

PANELBOARD.

RELAY, N/O OR N/C AS INDICATED.

HELAY, NORMALLY OPEN.

RELAY, NORMALLY CLOSED.

BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.

XXX FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.

T TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.

COMMUNICATIONS LEGEND

NOTE: REFER TO 'TYPICAL COMMUNICATION OUTLET DETAIL' FOR BOX & CONDUIT REQUIREMENTS. REFER TO TELECOMMUNICATION DEVICE DETAILS FOR CABLING AND TERMINAL JACK REQUIREMENTS.

SYMBOL DESCRIPTION

 $\nabla_{\mathbf{x}}$ TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +3'-10"AFF. **V**_Y TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +1'-6"AFF. ∇ [MISC COMMUNICATIONS OUTLET], MOUNT AT +1'-6"AFF.

CATV OUTLET, MOUNT AT +[1'-6"] [7'-6"]AFF.

POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL" FOR BOX AND CONDUIT REQUIREMENTS. WA WIRELESS ACCESS POINT

TELECOMMUNICATIONS EQUIPMENT RACK.

2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.

LIGHTING LEGEND

SYMBOL DESCRIPTION
S LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-10"AFF. SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:
 3 INDICATES 3-WAY LIGHT SWITCH 4 INDICATES 4-WAY LIGHT SWITCH D INDICATES DIMMER SWITCH P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON K INDICATES KEY OPERATED LIGHT SWITCH OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR OD INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR OS 2 INDICATES DUAL RELAY INTEGRAL OCCUPANCY SENSOR, WIRED FOR MULTI-LEVEL SWITCHING
LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
ŚŚ INDICATES SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING.
OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT.
DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING
PE PHOTOELECTRIC CELL FOR LIGHTING CONTROL. WALL MOUNT AT +10-0"AFF. AIM NORTH.
$ = \sum_{i=1}^{n} \text{EVERGENCY EGRESS LIGHTING FIXTURE WITH BATTERY PACK WALL MOUNT AT +8'-0"AFE} $
EXIT SIGN. CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
● LIGHT FIXTURE, POLE MOUNT.
SPORTS LIGHTING POLE.
DEMOLITION LEGEND
SYMBOL DESCRIPTION
REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
DEVICES ARE EXISTING TO REMAIN.
WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.
GENERAL DEMOLITION NOTES
A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE
B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION. ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

GENERAL NOTES

- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.
- C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
- D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION. E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS
- OTHERWISE INDICATED. F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE
- WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND
- WRITTEN SCHEDULES ARE NOT ACCEPTABLE. H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC, COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.
- ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.
- J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.
- K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" WEATHER RESISTANT. L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.
- M. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

ABBREVIATIONS

Р	SINGLE PHASE
P	THREE PHASE
R	WEATHERPROOF (NEMA 3R)
FF	AMPS ABOVE FINISHED FLOOR
L	ALUMINUM
TS	AUTOMATIC TRANSFER SWITCH
FC	BELOW FINISHED CEILING
FG	BELOW FINISHED GRADE
KR	BREAKER
, :AT\/	CONDUIT COMMUNITY ANTENNA TELEVISION (CABLE)
B	CIRCUIT BREAKER
BL	CABLE
CTV	CLOSED CIRCUIT TELEVISION
KT	CIRCUIT
LG	CEILING
, LR :0.	COMPANY
OMB	COMBINATION
OMM	COMMUNICATIONS
U	COPPER
NSC NV	DIVISION
WG	DRAWING
BH	ELECTRIC BASEBOARD HEATER
C	EMPTY CONDUIT
CS	EMERGENCY COMMUNICATIONS STATION
	ELECTRICAL ELEVATOR
PO	EMERGENCY POWER OFF
Q	EQUIPMENT
TR	EXISTING TO REMAIN
WC	ELECTRIC WATER COOLER
л XT	EXTERIOR
A	FIRE ALARM
AAP	FIRE ALARM ANNUNCIATOR PANEL
ACP	FIRE ALARM CONTROL PANEL
AGP	FIRE ALARM GRAPHIC PANEL
AXP	FIRE ALARM EXTENDER PANEL
LA	FULL LOAD AMPS
PMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
PND	FUSE PER NAMEPLATE DATA
) _	GROUND
	INDICATED BREAKER)
FCI	GROUND FAULT CIRCUIT INTERRUPT
FP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED
IKP	HOUSEKEEPING PAD
IP	HORSEPOWER
IPS	HIGH PRESSURE SODIUM
IZ ۱۸/	
3	ISOLATED GROUND
-BOX	JUNCTION BOX
HFSS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM
Hz XA	
W W	KILOVOLT AMPS
WH	KILOWATT HOURS
	LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE
ED TG	
TS	LIGHTS
IAX	MAXIMUM
1CA	MINIMUM CIRCUIT AMPACITY
ICB	
1Hz	MEGAHERTZ
1IN	MINIMUM
1L	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
1LO	MAIN LUG ONLY
INO IOCP	MAXIMUM OVER CURRENT PROTECTION
1TD	MOUNTED
	NEUTRAL
1/0 10.	NUMBER
FCI	OWNER FURNISHED CONTRACTOR INSTALLED
)	PILOT LIGHT (AT THE SWITCH HANDLE)
ט. החא	
CPT	RECEPTACLE
EC	RECEPTACLE
EC	SECURITY
PD	SURGE PROTECTIVE DEVICE
T	SPECIFICATION(S) SHUNT TRIP 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
Ŵ	SWITCH
WBD	SWITCHBOARD
BB	TELECOMMUNICATIONS BONDING BACKBONE
	TELECOMMUNICATIONS CLOSET
GB	TELECOMMUNICATIONS GROUNDING BUS BAR
MGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
YP	
INO '	UNLESS NOTED (INDICATED) OTHERWISE VOLTS
′FD	VARIABLE FREQUENCY DRIVE
V	WATTS
V/	
VP	WEATHERPROOF
FER	TRANSFER
	TRANSFORMER

TREET, RI -7555 FA) -K S⁻ 794-<u>0</u>4

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E0.1

KEYNOTES APPLIES TO DRAWINGS E1.0 REPRESENTED BY

1. NOT USED.

2. LIGHT FIXTURE TO BE RELOCATED, SEE SHEET E2.1 FOR NEW LOCATION. 3. LIGHT SWITCH TO BE RELOCATED FOR STAIR LIGHTS, SEE SHEET E2.1 FOR NEW LOCATION. 4. REMOVE THE EXISTING FAAP, THEN RE-INSTALL IT BACK. REFER TO E2.3 FOR THE LOCATION.

Ν FIRST FLOOR PLAN - LIGHTING 1/8'' = 1'-0''

D. ALL LENS SHALL BE A MINIMUM 0.125" THICKNESS, UNO.

		FL	XTURE			LAMP					OPTIONS	REFERENCE NOTE		
TYPE	DESCRIPTION MANUFACTURER SERIES NO. WATTAGE LUMENS COL			COLOR	QUANTITY	TYPE	COLOR TEMP.	OLOR TEMP. MOUNTING		BATTERY PACK	COMMENTS			
	SINGLE FACE EXIT SIGN	HE WILLIAMS	EXIT/WET/CP-SF-R-WHT-AC-D	3		W/R	1	LED		CEILING		Х	1	
А	2X4 TROFFER	HE WILLIAMS	50G-S24-L59-835-FAF12125-DIM-UNV	34	4000 lm		1	LED	3500 K	RECESSED	Х			
A2	2X2 TROFFER	HE WILLIAMS	50G-S22-L43-835-SAF12125-DIM-UNV	37	4000 lm		1	LED	3500 K	RECESSED	X			
A2E	2X2 TROFFER	HE WILLIAMS	50G-S22-L43-835-SAF12125-DIM-UNV	37	4000 lm		1	LED	3500 K	RECESSED	Х	Х		
AE	2X4 TROFFER	HE WILLIAMS	50G-S24-L59-835-FAF12125-DIM-UNV	34	4000 lm		1	LED	3500 K	RECESSED	Х	Х		
В	4' LINEAR FIXTURE	DAYBRITE CFI	OWL-4-50L-835-UNV-DIM	53	5000 lm		1	LED	3500 K	RECESSED	Х			
BE	4' LINEAR OWL WRAPAROUND	DAY-BRITE CFI	OWL-4-40L-835-UNV-DIM	53	5000 lm		1	LED	3500 K	RECESSED	Х	Х		
D	6" DOWNLIGHT	HE WILLIAMS	6DR-TL-L10-835-DIM1-UNV-OW-OF-CS	9	1000 lm		1	LED	3500 K	RECESSED	X			
DE	6" DOWNLIGHT	HE WILLIAMS	6DR-TL-L10-835-EM/10W-DIM1-UNV-OW-OF -CS	9	1000 lm		1	LED	3500 K	RECESSED	X	х		
X1	SINGLE FACE EXIT SIGN	HE WILLIAMS	EXIT/EL-SF-R-CP-AN-EM-D	4		W/R	1	LED		ABOVE DOOR		Х	1	
XC	SINGLE FACE EXIT SIGN	HE WILLIAMS	EXIT/EL-SF-R-CP-AN-EM-D	4		W/R	1	LED		CEILING		Х	1	
XC2	DOUBLE FACE EXIT SIGN	HE WILLIAMS	EXIT/EL-DF-R-CP-AN-EM-D	4		W/R	1	LED		CEILING		Х	1	
Y	DARKROOM SAFELIGHTS	KURTZON	DKS-F/G-2-1X1-XXX-UNV-FROST-D20FF	4	50 lm	RED	1	LED	0 K	RECESSED	X			
Z	THIN PROFILE BACKLIT LED SIGN	RT TECHNOLOGIES	LEDS-SF-110-R-RIU(ROOM IN USE)	0				LED		WALL				WALL
GENERAL N A. ALL FIXT B. REFER T	IOTES: JRES SHALL BE CAPABLE OF 120V AND O LIGHTING PLANS AND SPECIFICATION	277V INPUT (MVOLT), UN NS FOR ADDITIONAL FIXTU	O. JRE INFORMATION.		REFERENCE 1. NUMBER O	NOTES: F FACES AND	DIRECTIONAL CH	EVRONS AS	INDICATED ON DWG	S.				

GENERAL NOTES

A. ALL TYPE WITH "E" LIGHT FIXTURES AND EXIT SIGNS SHALL BE UN-SWITCHED.

KEYNOTES APPLIES TO DRAWINGS E2.1 REPRESENTED BY n

1. REFER TO KEYNOTE #2 ON E1.0 FOR ADDITIONAL LIGHT FIXTURE INFORMATION. CONNECT TO EXISTING CIRCUIT IN THE CORRIDOR. 2. REFER TO KEYNOTE #3 ON E1.0 FOR ADDITIONAL LIGHT SWITCH INFORMATION.

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

KEYNOTES

APPLIES TO DRAWINGS E2.2 REPRESENTED BY

1. PROVIDE 6-50R RECEPTACLE , WIRE 2#4,#10G,1'C, AND NEMA 3R,208V/1P, 60A, NON-FUSE DISCONNECT. LOCATION CAN BE ADJUSTED IN FIELD.

2. PROVIDE 14-30R RECEPTACLE AND WIRE 3#10,#10G,3/4"C.

 PROVIDE POWER FOR DISPLAY CASE. COORDINATE CONNECTIONS AND A LOCATION WITH DISPLAY CASE VENDOR.
 PROVIDE NEMA 3R, 208V/3P, 100A NON-FUSE DISCONNECT. COORDINATE LOCATION IN FIELD. PROVIDE 4#3,#8G, 1 1/4"C.

5. REFER TO GAS APPLIANCE EPO DIAGRAM ON E4.0.

6. PROVIDE NEMA 3R,120V/1P, 30A, NON-FUSE DISCONNECT.

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. B. FOR ALL LOW VOLTAGE SYSTEMS OTHER THAN FIRE ALARM SYSTEM, CONDUITS AND BOXES SHALL BE PROVIDED BY CONTRACTOR. ALL CABLING, EQUIPMENTS, AND DEVICES SHALL BE PROVIDED BY THE OWNER.

C. BUILDING HAS A CENTRAL MONITORING SYSTEM AND FIRE ALARM SYSTEM.

GENERAL NOTES

A. REFER TO MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.

	DIV. 22 & 23 EQUIPMENT ELECTRICAL SCHEDULE - E2.5											
NAME	VOLTAGE	PHASE	P/BD	СКТ	DISCONNECTING MEANS	FEEDER SIZE	NOTES					
F-01	120 V	1	RPE	40	NOTE 1	2#12,#12G, 3/4"C						
F-03	120 V	1	RPE	24	NOTE 1	2#12,#12G, 3/4"C						
GV-1 MOTORIZED DAMPER	120 V	1	LPN	22	NOTE 1	2#12,#12G, 3/4"C						
GV-2 MOTORIZED DAMPER	120 V		LPN	22	NOTE 1	2#12,#12G, 3/4"C						

NOTES: 1. PROVIDED BY DIV 23.

15/2023 3:05:55

GENERAL NOTES

A. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

NO SCALE

OCCUPANCY SENSOR DIAGRAM AUXILARY RELAY PACK SENSOR

GAS APPLIANCE EPO DIAGRAM NO SCALE

RECESSED, LAY-IN, LED LIGHT FIXTURE MOUNTING DETAIL NO SCALE

ELECTRICAL RISER DIAGRAM

EXI:	STING SV	NITCHBOAF	۲D	Μ	DP			
HORIZO	ONTAL 1200 A	NEMA ENCL:	N	EMA FR(ONT ACCES	S	<u></u>	
GROUN	ID BUS: 1200 A	MAIN SWITCH: 1200 A	VOL	TAGE: 120	/208 Wye	3 PH	4 WIRE	
	AL 1200 A	CT SECTION: YES	BRA	CING: (35KAIC	AMPS		
NEUIN	AL BUS: 1200 A		I		1	1		
DEVIC E NO.	DES	CRIPTION	Α	В	с	NUMBER OF POLES	RATING	NOTES
1	SPACE ONLY					3		
2	PANEL MP		30780 VA	30780 VA	30780 VA	3	600 A	
3	PANEL RPE & PA	NEL LPE	10375 VA	10375 VA	10375 VA	3	200 A	
4	SPACE ONLY					3		
5	SPACE ONLY					3		
6	SPACE ONLY					3		
7	SPACE ONLY					3		
8	SPACE ONLY					3		
9						3		
10						3		
11						3	100 A	
13						3		
14	SPACE ONLY					3		
15	PANEL LA		10000 VA	10000 VA	10000 VA	3	200 A	
16	SPARE		0 VA	0 VA	0 VA	3	200 A	
17	PANEL RPW & P	ANEL LPW	10500 VA	10500 VA	10500 VA	3	200 A	
18	PANEL RPN & P/	ANEL LPN	9000 VA	9000 VA	9000 VA	3	200 A	
19	* PANEL LN (NE)		30587 VA	27195 VA	19569 VA	3	400 A	
	·	TOTAL	102789 VA	99154 VA	91723 VA		<u> </u>	
LOAD T	OAD TYPE CO		ONNECTE	D KVA	DEMAND K	VA		
INTERIC	TERIOR LIGHTING		3431 V/	A	4289 VA			
EXTERI	(TERIOR LIGHTING		0 VA		0 VA			
RECEP	ECEPTACLES		6300 V/	Α	6300 VA		=	
	C / HEAT PUMP		0 VA		0 VA		-	
ELECT			0 VA		0 VA			TOTAL DEMAND KVA: 295 kVA
KITCHE			0 VA	/^	U VA		-	
	AISCELLANEOUS		71130 VA				-	
NOTES			0 VA		0 07			
* PROV	IDE (1) 400A FUSI	E DISCONNECT AS INDI	CATED.					

PULL BOX	

EX ROOF

EX 225 AI	ISTI MP MLC	NG	PANELBOARD 120/208 Wye		LP 3 PH	°N 4 W		LOCA [.] MC	TION: ELI UNT: SU	ECT 110 RFACE	FED PANEL ASSEMBLY RATED	FROM: M	DP) KAIC	
скт	BRKR	POLE	LOAD		A		E	3		c	LOAD	POLE	BRKR	ск
1	20 A	1	LIGHTS RM 109. 141A	0	.0	0.0					J BOX FOR VAV	1	20 A	2
3	20 A	1	LIGHTS RM 127				0.0	0.0			J BOX FOR VAV	1	20 A	4
5	20 A	1	LIGHTS RM 111, 112, 108, 107	7,					0.0	0.0	J BOX FOR VAV	1	20 A	6
7	20 A	1	SPARE	0	.0	0.0					J BOX FOR VAV	1	20 A	8
9	20 A	1	SPARE				0.0	0.0			SPARE	1	20 A	10
11	20 A	1	CORRIDOR LIGHTS						0.0	0.0	UNKNOWN	1	20 A	12
13	20 A	1	CORRIDOR LIGHTS	0	.0	0.0					UNKNOWN	1	20 A	14
15	20 A	1	LGTS - RM 115, 116, 122, 124				1.1	0.0			UNKNOWN	1	20 A	16
17	20 A	1	LGTS - RM 106,107,109,111,1	12					1.1	0.4	RECS - RM 102	1	20 A	18
19	20 A	1	LGTS - RM 101-105,108,112-1	14 1	.2	0.4					RECS- RM 111	1	20 A	20
21	20 A	1	SPARE				0.0	0.2			GV-1 MOTORIZED DAMPER	1	20 A	22
23	20 A	1	SPARE						0.0	0.0	SPARE	1	20 A	24
25	20 A	1	SPARE	0	.0	0.0					SPARE	1	20 A	26
27	20 A	1	SPARE				0.0	0.0			SPARE	1	20 A	28
29	20 A	1	SPARE						0.0	0.0	SPARE	1	20 A	30
					2 kV	A	1 k	VA	1 k	κVA				
					137	ł	11	А	13	3 A				
.oad (Classifi	cation	Co	onnected	Load	De	emand Fa	actor	Estimate	ed Demai	nd Panel To	tals		
NTER	IOR LIC	HTING		3431 V	4		125.00%	6	428	39 VA				
XTE		GHTING	à	0 VA			0.00%		0	VA	Total Conn. Load: 4.4	4 kVA		
RECEPTACLES 72		720 VA			100.00%	6	72	0 VA	Total Est. Demand: 5.2	2 kVA				
AC / HEAT PUMP C		0 VA			0.00%		0	VA	Total Conn. Current: 12	2 A				
LEC	FRIC HE	AT		0 VA	0 VA		0.00%		0 VA		Total Est. Demand 14	A		
KITCHEN 0 V		0 VA	0 VA		0.00%		0 VA		7					
/IISCE		ous		200 VA			100.00%	6	20	0 V/A				

100 AN			120/208 Wye	3 P	H 4 W		MOL	JNT: SU	RFACE	PANEL ASSEMBLY RATED (K	AIC): 1	0 KAIC	
скт	BRKR	POLE	LOAD	l	4		В	(C	LOAD	POLE	BRKR	ск
1	60 A	2	KILN - RM 113	4.8	5.0	4.8	5.0			KILN - RM 113	2	60 A	2
5	60 A	2	KILN - RM 113					5.0	0.2	TEST KILN - RM 113	1	20 A	6
/	20.4	1		5.0	2.4	0.0	2.4			DRYER - RM 101	2	30 A	8
9	20 A	1	POG MILL - RMI 100			0.2	2.4	0.2	0.5		1	20 4	
13	20 A	1	SILK SCREEN - RM 116 & 115	0.2	0.4			0.2	0.5	PAPER CUTTERS - RM 115			
15	20 A	1	GRINDER - RM 111	0.2	0.4	0.2	12			WASHER - RM 101	1	20 A	10
17	20 A	1	REFRIG - RM 102 (GP)			0.2	1.2	12	0.6	GAS KII N & EPO CONTROL - R	1	20 A	18
19	20 A	1	STEAMPRESS - RM 101	0.5	0.4			1.2	0.0	CORD REELS - RM 106		20 A	20
21	20 A	1	CORD REFLS - RM 106	0.0	0.4	0.4	0.2			POTTERY WHEELS REC - RM 106		20 A	22
23	20 A	1	CORD REELS ADA - RM 106			0.1	0.2	04	0.4	CORD REFLS - RM 106	1	20 A	24
25	20 A	1	CORD REFLS - RM 106	04	04			0.1	0.1	CORD REFLS - RM 106		20 A	26
27	20 A	1	POTTERY WHEELS REC - RM 106	0.1	0.1	02	72					2077	28
29	2071	•				0.2		2.7	7.2	DYE VAT KETTLE (E-19) -RM 101	3	80 A	30
31	30 A	3	EWH-1 - RM 136	2.7	7.2					()			32
33		•				2.7	1.2			WASHER - RM 101	1	20 A	34
35	20 A	1	IRONING BOARD & S.M RM 102					0.2	0.2	SPRAY BOOTH LIGHTS - RM 109	1	20 A	36
37	20 A	1	HEAT LAMP CABINET - RM 112	0.2	0.7					KILN VENTS - RM 113	1	20 A	38
39	20 A	1	DRAFT INDUCER(E-07)- RM 114			0.5	1.2			EXHAUST FAN(E-06) - RM 109	1	20 A	40
41	20 A	1	COPIER - RM 116					0.2	0.8	DUST COLLECTOR - RM 113	1	20 A	42
43	20 A	1	AIR FILTRATION SYSTEM-RM 113	0.4	0.1					SECURITY DOOR SYSTEM	1	20 A	44
45	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	46
47	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	48
49	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	50
51	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	52
53		1	SPACE ONLY							SPACE ONLY	1		54
55		1	SPACE ONLY							SPACE ONLY	1		56
57		1	SPACE ONLY							SPACE ONLY	1		58
59		1	SPACE ONLY							SPACE ONLY	1		60
61		1	SPACE ONLY							SPACE ONLY	1		62
63		1	SPACE ONLY							SPACE ONLY	1		64
65		1	SPACE ONLY							SPACE ONLY	1		66
				31	kVA	27	kVA	20	kVA				
GE) = GP) = L) = P LC) = ML) =	PROVI PROVI ROVIDE ROVIDE PROVI	DE GFC DE GFC E LOCK TO LO	CI BREAKER FOR EQUIPMENT, 6-50 CI BREAKER FOR PERSONNEL, 4-6r OUT BREAKER TO PREVENT UNAU AD VIA LIGHTING CONTACTOR, RE	26: mA PER mA PER ITHORIZ F DETA	5 A R NEC 42 NEC 21(ZED SWI IL ON D	23 27.22 DE 0.8. DEI TCHING WG E4.X	6 A ED. NEU ⁻ D. NEUTF	16 FRAL. RAL.	3 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 77.4 kVA
RECEPTACLES	5580 VA	100.00%	5580 VA	Total Est. Demand: 77.6 kVA
AC / HEAT PUMP	0 VA	0.00%	0 VA	Total Conn. Current: 215 A
ELECTRIC HEAT	0 VA	0.00%	0 VA	Total Est. Demand 215 A
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	70930 VA	100.00%	70930 VA	

EX	ISTI	NG	PANELBOARD)	R	PN		LOCA	TION: EL	ECT 110	FED FROM:			
225 AI	MP MLC)	120/208 Wye		3 PI	14 W	-	MC	UNT: SU	RFACE	PANEL ASSEMBLY RATED (K	AIC): 10) KAIC	
скт	BRKR	POLE	LOAD		A	۱.	В			c	LOAD	POLE	BRKR	скт
1	20 A	1	CORD REELS - RM 102		0.4	0.0					SPARE	1	20 A	2
3	20 A	1	UNKNOWN				0.0	0.0			REC - RM 127	1	20 A	4
5	20 A	1	LIGHT TABLE - RM 115						0.0	0.0	REC - RM 157	1	20 A	6
7	20 A	1	REC - RM 115		0.7	0.0					REC - RM 109, W/STATION	1	20 A	8
9	20 A	1	REC - RM 115				0.9	0.0			REC - RM 181	1	20 A	10
11	20 A	1	HOT PLATE REC - RM 115						0.2	0.0	REC - RM 181	1	20 A	12
13	20 A	1	REC - RM 115		0.9	1.3					REC - RM 122	1	20 A	14
15	20 A	1	UNKNOWN				0.0	0.7			REC -RM 112	1	20 A	16
17	20 A	1	REC - RM 109, 112, 116						1.3	0.0	EXISTING TO REMAIN	1	20 A	18
19	20 A	1	REC - RM 141B, 108		0.0	0.0					UNKNOWN	1	20 A	20
21	20 A	1	REC - RM 112A				0.2	0.0			J BOX MAGNETIC DOOR	1	20 A	22
23	20 A	1	SYSTEMS FURNITURE						0.0	0.0	UNKNOWN	1	20 A	24
25	20 A	1	SYSTEMS FURNITURE		0.0	0.5					DISPLAY LIGHTS & REC - RM 122	1	20 A	26
27	20 A	1	SYSTEMS FURNITURE				0.0	0.4			REC - SEWING MACHINE - RM	1	20 A	28
29	20 A	1	SYSTEMS FURNITURE						0.0	0.4	CORD REEL - RM 102	1	20 A	30
31	20 A	1	CORD REEL - RM 102		0.4	0.4					REC - SEWING MACHINE - RM	1	20 A	32
33	20 A	1	CORD REEL - RM 102				0.4	0.4			CORD REEL - RM 102	1	20 A	34
35	20 A	1	CORD REEL - RM 102						0.4	0.4	CORD REEL - RM 102	1	20 A	36
37	20 A	1	CORD REEL - RM 102		0.4	0.4					CORD REEL - RM 102	1	20 A	38
39	20 A	1	RECS - RM 103,104,114,112				0.9	0.4			CORD REEL - RM 112	1	20 A	40
41	20 A	1	SPARE						0.0	0.0	SPARE	1	20 A	42
	-				5 k	VA	4 k	XΑ	3 k	κVA		-		
					46	A	37	ΎΑ	21	IA				
	Load Classification			onnected	d Load	d De	mand Fa	actor	Estimate	ed Deman	nd Panel Total	S		
EYTE				0 0/	<u>\</u>		0.00%					k\/A		
				11000	۰ ۱/۸		0.00%	<u> </u>	100		Total Ect. Demond: 10.0			
			I	0.100	<u>v</u> A \		92.09%	U			Total Copp Current: 22 A	кvА		
					<u>`</u>		0.00%				Total Est Domand 20 A			
					<u>`</u>		0.00%							
					1	_	0.00%			VA	-1			
INISCE	LLANE	005		U VA	۱		0.00%		0	VA				

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EX	ISTI	NG	PANELBOARD	R	PE		LOCA	FION: EL	ECT 134	FED FF	ROM:		
225 A	MP MLC	1	120/208 Wye	3 P	H 4 W		МО	UNT: SU	RFACE	PANEL ASSEMBLY RATED (K	AIC): 10) KAIC	
скт	BRKR	POLE	LOAD		Α		В		C	LOAD	POLE	BRKR	скт
1	20 A	1	UNKNOWN	0.0	0.0					REC RM 121, 122	1	20 A	2
3	20 A	1	UNKNOWN			0.0	0.0			BATHROOM GFCI	1	20 A	4
5	20 A	1	UNKNOWN					0.0	0.0	REC RM 128	1	20 A	6
7	20 A	1	REC MEETING RM 139	0.0	0.0					REC RM 119, 120	1	20 A	8
9	20 A	1	REC RM 142, 143			0.0	0.0			REC RM 116	1	20 A	10
11	20 A	1	COPIER RM 142					0.0	0.0	REC RM 141C, 115	1	20 A	12
13	20 A	1	REC RM 138, 140	0.0	0.0					REC RM 123, RECEP(122)	1	20 A	14
15	20 A	1	REC DANCE RM 129			0.0	0.0			REC RM 125	1	20 A	16
17	20 A	1	REC DANCE RM 129					0.0	0.0	REC RM 118, CORRIDOR	1	20 A	18
19	20 A	1	REC DANCE RM 129, COR 146	0.0	0.0					J BOX FOR MAG DOOR HOLDER	1	20 A	20
21	20 A	1	REC RM 145, 146, 147			0.0	0.0			J BOX FOR MAG DOOR HOLDER	1	20 A	22
23	20 A	1	REC RM 143, 144, 145					0.0	1.2	F-03 ON ROOF	1	20 A	24
25	20 A	1	QUAD IN DATA RM	0.0	0.0					FA PANEL	1	20 A	26
27	20 A	1	QUAD IN DATA RM			0.0	0.0			EMS	1	20 A	28
29	20 A	1	UNKNOWN					0.0	0.0	UNKNOWN	1	20 A	30
31	20 A	1	UNKNOWN	0.0	0.0							20.4	32
33	30 A	1	UNKNOWN			0.0	0.0			SPARE	2	30 A	34
35	20 A	1	COPIER RM 123					0.0	0.0	REC COMP RM	1	30 A	36
37	20 A	1	* RCP-1 - RM 136	0.1	0.0					REC COMP RM QUAD	1	20 A	38
39	50.0	0				0.0	0.1			* F-01 ON ROOF	1	15 A	40
41	50 A	2	SPARE					0.0	0.0	UNKNOWN	1	20 A	42
	8			0	XΑ	0 k	XΑ	1 k	XΑ				
1 A 1 A 10 A * PROVIDE (1) 15A/1P CIRCUIT BREAKER TO REPLACE EXISTING 20A/1P CIRCUIT BREAKER.													
Load	Load Classification Con		nnected Loa	d De	emand Fa	actor	Estimate	ed Dema	nd Panel Tota	S			
					0.00%								
EXIE					0.00%					XVA			
				0 VA		100.00%	24	0		Total Conn. Current: 4.4	VA		
						0.00%	/0			Total Est Demand 4 A			
KITCH	IFN					0.00%		0	VA				
MISCE		ous		1280 VA		100 00%	%	128	30 VA	-			
		000		1200 VA		100.00		120					

			_				
	COPPE	R FEED	Ε	R SCH	EDU	LE	
# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE		FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
1	3#10,#10 G	3/4"		30Y	1	4#10,#10 G	3/4"
1	3#8,#10 G	3/4"		35Y	1	4#8,#10 G	3/4"
1	3#8,#10 G	3/4"		(40Y)	1	4#8,#10 G	3/4"
1	3#6,#10 G	1"		(45Y)	1	4#6,#10 G	1"
1	3#6,#10 G	1"		50Y	1	4#6,#10 G	1"
1	3#4,#10 G	1"		60Y	1	4#4,#10 G	1"
1	3#4,#8 G	1 1/4"		TOY	1	4#4,#8 G	1 1/4"
1	3#3,#8 G	1 1/4"		80Y	1	4#3,#8 G	1 1/4"
1	3#2,#8 G	1 1/4"		90Y	1	4#2,#8 G	1 1/4"
1	3#1,#8 G	1 1/4"		(100Y)	1	4#1,#8 G	1 1/4"
1	3#2,#6 G	1 1/2"		(110Y)	1	4#2,#6 G	1 1/2"
1	3#1,#6 G	1 1/2"		(125Y)	1	4#1,#6 G	1 1/2"
1	3#1/0,#6 G	2"		(150Y)	1	4#1/0,#6 G	2"
1	3#2/0,#6 G	2"		(175Y)	1	4#2/0,#6 G	2"
1	3#3/0,#6 G	2"		200Y	1	4#3/0,#6 G	2"
1	3#4/0,#4 G	2 1/2"		(225Y)	1	4#4/0,#4 G	2 1/2"
1	3-250kCM,#4 G	2 1/2"		(250Y)	1	4-250kCM,#4 G	2 1/2"
1	3-350kCM,#4 G	2 1/2"		300Y	1	4-350kCM,#4 G	2 1/2"
2	3#2/0,#3 G	3"		(350Y)	2	4#2/0,#3 G	3"
2	3#3/0,#3 G	2"		(400Y)	2	4#3/0,#3 G	2"
2	3#4/0,#2 G	2 1/2"		(450Y)	2	4#4/0,#2 G	2 1/2"
2	3-250kCM,#2 G	2 1/2"		500Y	2	4-250kCM,#2 G	2 1/2"
2	3-350kCM,#1 G	3"		(600Y)	2	4-350kCM,#1 G	3"
2	3-500kCM,#1/0 G	4"		(700Y)	2	4-500kCM,#1/0 G	4"
3	3-350kCM,#1/0 G	3"		(800Y)	3	4-350kCM,#1/0 G	3"
3	3-500kCM,#2/0 G	4"		(1000)	3	4-500kCM,#2/0 G	4"
4	3-350kCM,#3/0 G	3"		(1200)	4	4-350kCM,#3/0 G	3"
5	3-500kCM,#4/0 G	4"		(1600)	5	4-500kCM,#4/0 G	4"
6	3-500kCM,#250 G	4"		2000	6	4-500kCM,#250 G	4"
7	3-500kCM,#350 G	4"		25007	7	4-500kCM,#350 G	4"

NOTES: 1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.

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2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.

3. SIZES ADJUSTED PER NEC 110.14.

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GENERAL NOTES

A. EXISTING ONE-LINE DIAGRAM INFORMATION & PANELBOARD SCHEDULES INFORMATION PER FIELD OBSERVATION AND AS-BUILT DRAWINGS. B. VERIFY EXISTING ONE-LINE DIAGRAM INFORMATION & EXSITING PANELBOARD SCHEDULES INFORMATION IN FIELD. C. CIRCUITS IN BOLD IN EXISTING PANELS ARE NEW OR REUSED. ALL OTHER CIRCUITS IN NON-BOLD ARE EXISTING CIRCUITS AND TO REMAIN.

