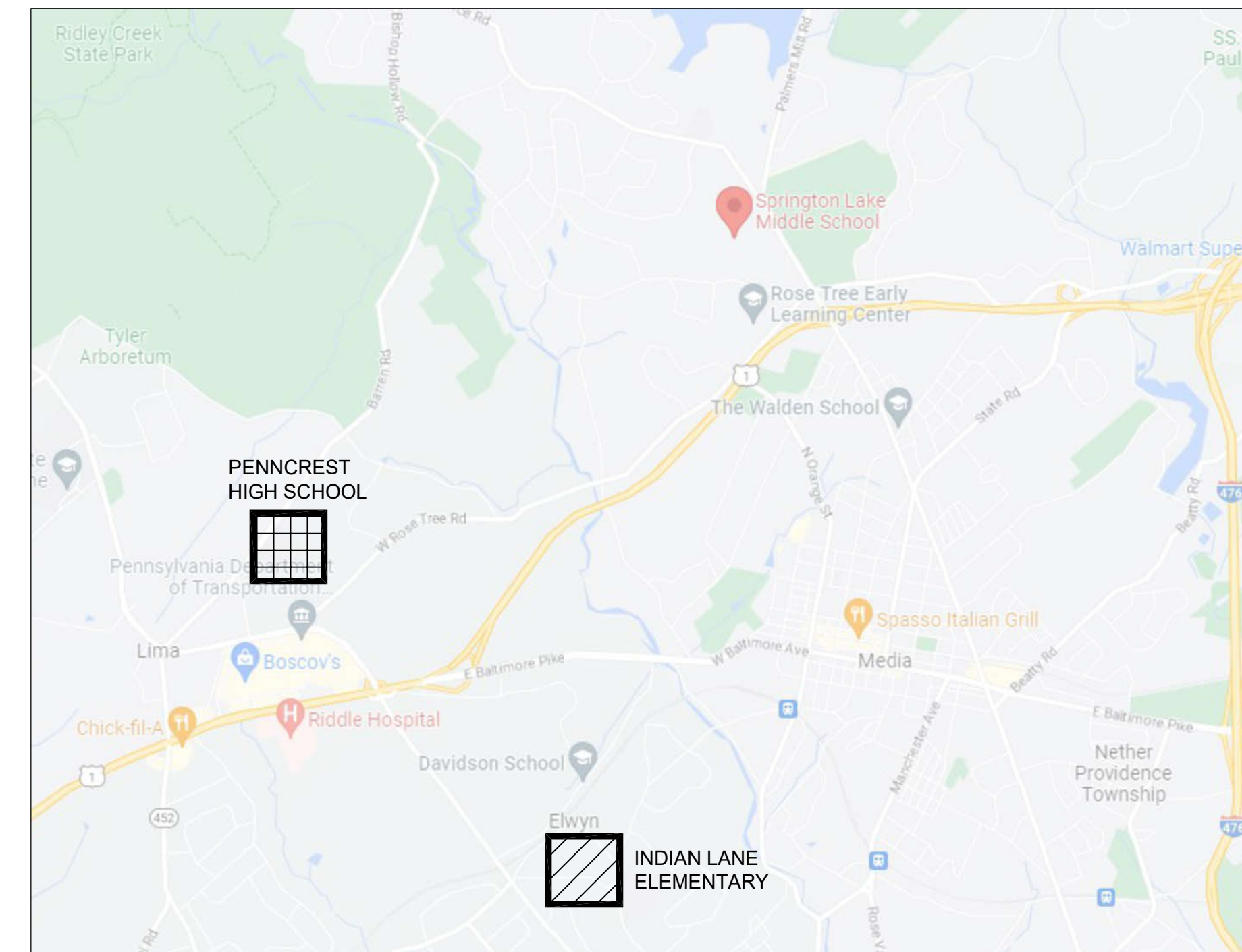


308 NORTH OLIVE STREET, MEDIA, PA 19063



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COMMON SYMBOLS & ABBREVIATIONS:				COMMON SYMBOLS & ABBREVIATIONS:				COMMON SYMBOLS & ABBREVIATIONS:			
&	AND	COL	COLUMN	GA	GAUGE	MFR /	MANUFACTURER	QUAL	QUALITY		
∠	ANGLE	CONC	CONCRETE	GALV	GALVANIZED	MN	MINIMUM	R	RISER	UL	UNDERWRITERS LABORATORY
@	AT	CONF	CONFERENCE	GC / G.C.	GENERAL CONTRACTOR	MIR	MIRROR / MIRRORRED	(R)	RELOCATED	UNO	UNLESS NOTED OTHERWISE
∩	CENTERLINE	CONST	CONSTRUCTION	GEN	GENERAL	MO	MASONRY OPENING	(R)	RELOCATED	VERT	VERTICAL
∠	CENTERLINE	CONT	CONTINUOUS	GL	GLASS OR GLAZING	MR	MOISTURE RESISTANT	RAD	RADIUS	VIF	VERIFY IN FIELD
°	DEGREES	COORD	COORDINATE	GR	GRADE	MTD	MOUNTED	RB	RUBBER BASE		
Ø	DIAMETER	CORR	CORRIDOR	GWB	GYPSPUM WALL BOARD	MTG	MEETING	RCB	REFLECTED CEILING PLAN	W	WEST
#	NUMBER	CT	COUNTERTOP	GYP. BD.	GYPSPUM WALL BOARD	MTL	METAL	RD	ROOF DRAIN	WIDTH	WIDTH
±	PLUS OR MINUS	CR	CLASSROOM	H	HEIGHT			REC	RECESSED	W	WITH
		DET	DETAIL	HC	H/C	N	NORTH	REDD	REQUIRED	WCT	WALL/COUNT JOINT
(A)	ACTIVE LEAF IN PAIR OF DOORS	DIAM / DIAM	DIAMETER	HM	HOLLOW METAL	REGTS	REGULATIONS	RET	RETURN	WD	WOOD
ABV	ABOVE	DIM	DIMENSION	HORIZ	HORIZONTAL	NIC	NOT IN CONTRACT	RFG	ROOFING	WINDOW	WINDOW
ACM	ASBESTOS CONTAINING MATERIAL	DIR	DIRECTOR	H.P.	HIGH POINT	NO	NUMBER	RLG	RAILING	WP	WORKING POINT
ACT / A.C.T.	ACROUSTICAL CEILING TILE (SAME AS "AC")	DISP	DISPENSER	HR	HOUR	NTS	NOT TO SCALE	RM	ROOM	WR	WATER RESISTANT
ADA	AMERICAN W/ DISABILITIES ACT	DN	DOWN	HT	HEIGHT	OA	OVERALL	RND	ROUND	WT	WINDOW TREATMENT
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	DR	DOOR			OC	ON CENTER	RO	ROUGH OPENING		
ADJ	ADJUSTABLE	DTL	DETAIL	INSUL	INSULATION	OD	OUTSIDE DIMENSION	RLS	ROLLER SHADE		
AF / A.F.F.	ABOVE FINISH FLOOR	DWG	DRAWING	INTR / INTR	INTERIOR	OF	OVERFLOW	RWL	RAIN WATER LEADER		
AL / ALUM	ALUMINUM	E	EAST	INTERM	INTERMEDIATE	OH	OPPOSITE HAND	RWO	ROUGH WALL OPENING		
ALT	ALTERNATE	(E)	EXISTING	JAN	JANITOR	OPG /	OPENING	S	SOUTH		
APC	ACROUSTICAL PANEL CEILING (SAME AS "AC")	EA	EACH	J.B.	JUNCTION BOX	OPP	OPPOSITE	SB	SPRINKLER		
APP	APPROVED	E/C, E.C.	ELECTRICAL CONTRACTOR	J.C.	JANITOR'S CLOSET	ORIG	ORIGINAL	SC	SOLID CORE		
APPROX.	APPROXIMATELY	EEL	ELEVATION	JT	JOINT	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION	SDL	SADDLE		
ARCH	ARCHITECT / ARCHITECTURAL	ELEC /	ELECTRICAL	K	KIP - 1000 LB	OZ	OUNCE	SECT	SECTION		
ASB	ASBESTOS	ELEV	ELEVATION	KPL	KICKPLATE	PARTN	PARTITION	SIM	SIMILAR		
		ENCL	ENCLOSURE	L	LENGTH	PC / P.C.	PLUMBING CONTRACTOR	SLP	SLOPE		
		EQ	EQUAL	LAM	LAMINATED	PERF.	PERFORATED	SLV	SLEEVE		
BLDG	BUILDING	EQUIP	EQUIPMENT	LAV	LAVATORY	PERM	PERIMETER	SPEC	SPECIFICATION		
BLK	BLOCK	EWG /	ELECTRIC WATER COOLER	LB	POUND	PERM	PERMANENT	SPKLR	SPRINKLER		
BM	BEAM	EX / EXIST	EXISTING	LNTL	LOW POINT	PERP	PERPENDICULAR	SS	SQUARE		
BN	BULLNOSE (GUM BLOCK)	EXP	EXPANSION	LOC	LOCATION	PL	PLATE	ST	STORAGE		
B.O.	BOTTOM OF	EXT	EXISTING	L.P.	LOW POINT	PLM	PLUMB LAMINATE	STD	STANDARD		
BOT	BOTTOM	EXT / EXTR	EXTERIOR	LT	LIGHT	PLBG	PLUMBING	STL	STEEL		
B.U.	BUILT-UP			LVR	LOUVER	PLMB	PLUMBING	STOR	STORAGE		
						PNL	PANEL	STRUCT	STRUCTURAL		
CB	CHALKBOARD	FAST	FASTENED	MANUF	MANUFACTURER	PNT	PANT	SW	SLAT WALL		
CG	CORNER GUARD	FD	FLOOR DRAIN	MAS	MASONRY	POS	POINT OF SALE TERMINAL	T	TOILET		
CH	CHANNEL	FE	FINISHED END OF CASEWORK	MATL	MATERIAL	PR	PAIR	TB	TACK BOARD		
CHK	CHECK / CHECKED	FEC	FIRE EXTINGUISHER CABINET	MAX	MAXIMUM	PROJ	PROJECT	TEMP	TEMPERED		
CJ	CONTROL JOINT	FIN	FINISHED	MB	MARKERBOARD	PT	PAINT	TEMP	TEMPORARY		
CL	CENTERLINE	FL	FLASHING	MDF	MEDIUM DENSITY FIBERBOARD	PTD	PANTEED	THK	THICK		
CLG / CLNG	CEILING	FLR	FLOOR	MECH	MECHANICAL	PTN	PARTITION	TO	TOP OF		
CLOS	CLOSURE	F.O.	FACE OF	MEMB	MEMBRANE			TS	TACK STRIP		
CLR	CLEAR	FT.	FEET	MET	METAL			TYP	TYPICAL		
CMU	CONCRETE MASONRY UNIT	F.T.	FULL TILE			QTY	QUANTITY				

DRAWING INDEX:	
CS	COVER SHEET
ARCHITECTURAL	
A0.2	CODE SHEET / KEY PLANS / SCHEDULES/DETAIL
A2.1a	PCHS FAMILY CONSUMER SCIENCE
A2.1b	PCHS FAMILY CONSUMER SCIENCE
A2.2	PCHS TV STUDIO
A2.3a	PCHS SCIENCE LABS
A2.3b	PCHS SCIENCE LABS
A2.4	ILES ELEVATIONS
A7.0	FINISH LEGEND
A8.0	DETAILS
STRUCTURAL	
S1.0	PARTIAL ROOF FRAMING PLAN AND TYP. DETAILS
MECHANICAL	
M0.1	MECH COVER SHEET
DM1.1	MECH DUCTWORK DEMO
DM1.2	MECH DUCTWORK DEMO
DM2.1	MECH PIPING DEMO
DM2.2	MECH PIPING DEMO
M1.1	MECH DUCTWORK NEW WORK
M1.2	MECH DUCTWORK NEW WORK
M2.1	MECH PIPING NEW WORK
M3.1	MECHANICAL SCHEDULES
M4.1	MECHANICAL CONTROLS
M5.1	MECHANICAL DETAILS

PLUMBING	
P0.1	PLUMB COVER SHEET
DP1.1	PLUMBING DEMO
DP1.2	PLUMBING DEMO
DP1.3	PLUMBING DEMO
DP1.4	PLUMBING DEMO
P1.1	PLUMBING NEW WORK
P1.2	PLUMBING NEW WORK
P1.3	PLUMBING NEW WORK
P1.4	PLUMBING NEW WORK
P2.1	PLUMBING SCHEDULES
P3.1	PLUMBING RISER DIAGRAMS
P3.2	PLUMBING RISER DIAGRAM / SCHEDULE / DETAILS
<u>FIRE PROTECTION</u>	
FP0.1	FIRE PROTECTION COVER SHEET
FPD1.1	FIRE PROTECTION DEMO
FP1.1	FIRE PROTECTION NEW WORK
<u>ELECTRICAL</u>	
EO.1	ELEC COVER SHEET
ED1.1	LIGHTING DEMO
ED1.2	LIGHTING DEMO
ED2.1	POWER / FIRE / COMM DEMO
ED2.2	POWER / FIRE / COMM DEMO

E1.1	ELECTRICAL NEW WORK
E1.2	ELECTRICAL NEW WORK
E1.3	LIGHTING SCHEDULE AND DETAILS
E2.1	ELEC POWER NEW WORK
E2.2	ELEC POWER NEW WORK
E3.1	ELEC FIRE / COMM NEW WORK
E3.2	ELEC FIRE / COMM NEW WORK
E4.1	ELEC PANEL SCHEDULES

REVISIONS	
DRAWN BY	AK/SK
REVIEWED	EN
JOB #	2627

COVER
SHEET

CS

SCALE	AS NOTED
DATE	03-28-2025

ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025

308 NORTH OLIVE STREET MEDIA BA 19063

MIDDLETOWN TOWNSHIP

PENNDREST HIGH SCHOOL
1/8" = 1'-0"

134 BARREN ROAD, MEDIA, PA 19063
MIDDLETOWN TOWNSHIP

SCOPE OF WORK INCLUDES RENOVATIONS TO THE EXISTING COOKING LAB, TV STUDIO, AND (5) SCIENCE LABS. WORK INCLUDES REPLACEMENT OF FINISHES, NEW MILLWORK, AND RE-ROUTING OF UTILITIES. NEW RTU WILL BE PROVIDED. HATCHED AREA INDICATE AREAS WHERE SCOPE OF WORK IS.

IEBC 2018 - LEVEL 2 ALTERATIONS

802.1: BUILDING ELEMENTS WILL COMPLY WITH IBC 2018

803.1: EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED THROUGHOUT PROJECT. SPRINKLER SYSTEM SHALL REMAIN AS IS AS SCOPE OF WORK IS LESS THAN 50% OF THE FLOOR AREA.

805.1: EXISTING EGRESS SHALL BE MAINTAINED THROUGH PROJECT

807.3: EACH WORKSTATION SHALL HAVE NO FEWER THAN (2) DUPLEX RECEPTACLE OUTLETS

IBC 2018

1004: OCCUPANT LOAD, USING LOAD FACTOR OF 20 NET FOR CLASSROOMS AND 50 NET FOR VOCATIONAL ROOM AREAS:

COOKING LAB: 1212 SQFT / 50 = 25 OCCUPANTS

COOKING CLASSROOM: 641 SQFT / 20 = 32 OCCUPANTS

TV STUDIO: 986 SQFT / 50 = 20 OCCUPANTS

SCIENCE LABS: 1040 SQFT / 50 = 21 OCCUPANTS

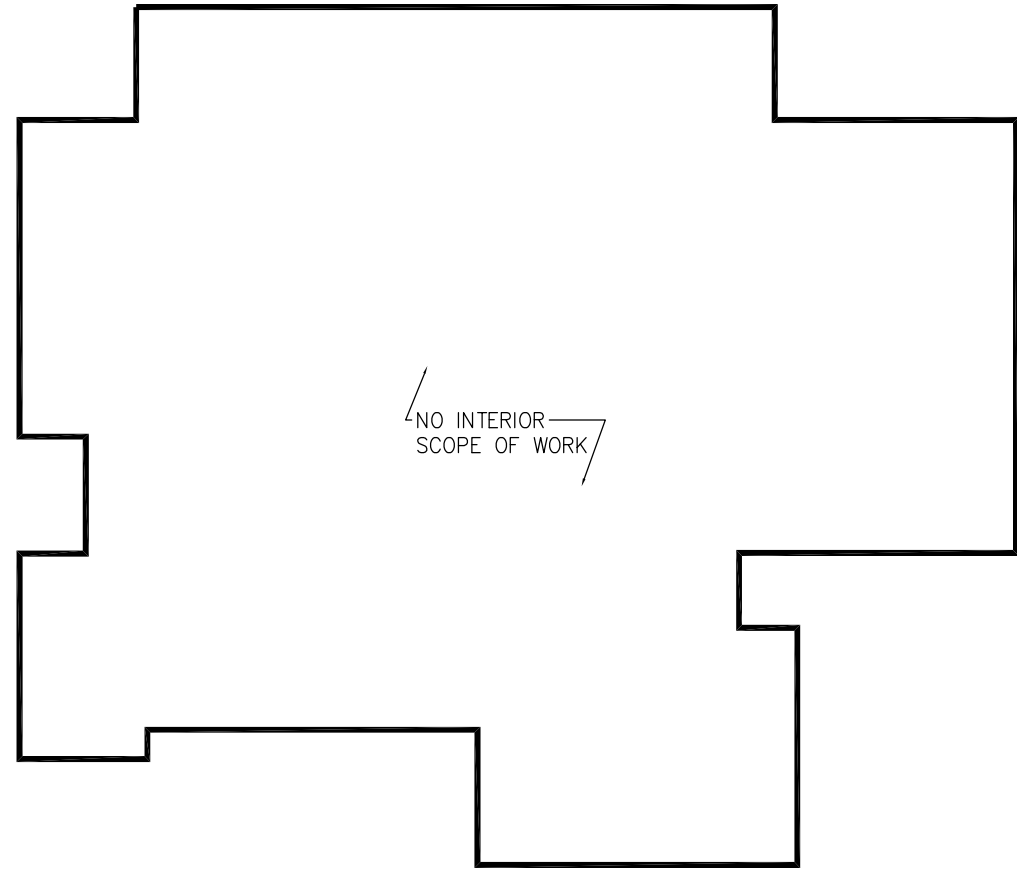
1109.11: AT LEAST 5% OF FIXED WORK SURFACES SHALL BE ACCESSIBLE

ANSI ICC A117.1-2009

804.2: U-SHAPED KITCHENS TO HAVE 60" MINIMUM CLEAR SPACE

804.5: COOKTOPS MAY HAVE A PARALLEL APPROACH

902.2: WORK SURFACES SHALL BE ACCESSED FROM A FORWARD APPROACH



INDIAN LANE ELEMENTARY SCHOOL
1/8" = 1'-0"

309 S. OLD MIDDLETOWN ROAD, MEDIA, PA, 19063
MIDDLETOWN TOWNSHIP

SCOPE OF WORK INCLUDES REPAIRING EXTERIOR STUCCO. SCOPE OF WORK IS ONLY ON EXTERIOR OF BUILDING.

CODE USAGE: IEBC 2018

SECTION 202: REPAIRS ARE CLASSIFIED AS THE REPLACEMENT OR RENEWAL OF ANY PART OF AN EXISTING BUILDING FOR THE PURPOSE OF MAINTENANCE OR TO CORRECT DAMAGE

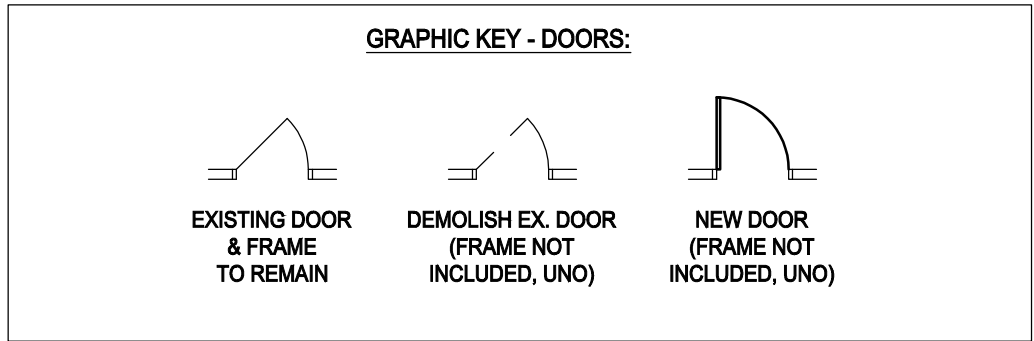
SECTION 401: THE WORK SHALL NOT MAKE THE BUILDING COMPLY WITH CURRENT BUILDING CODE ANY LESS THAN IT DID BEFORE REPAIRS

SECTION 403: THE LEVEL OF FIRE PROTECTION SHALL BE MAINTAINED

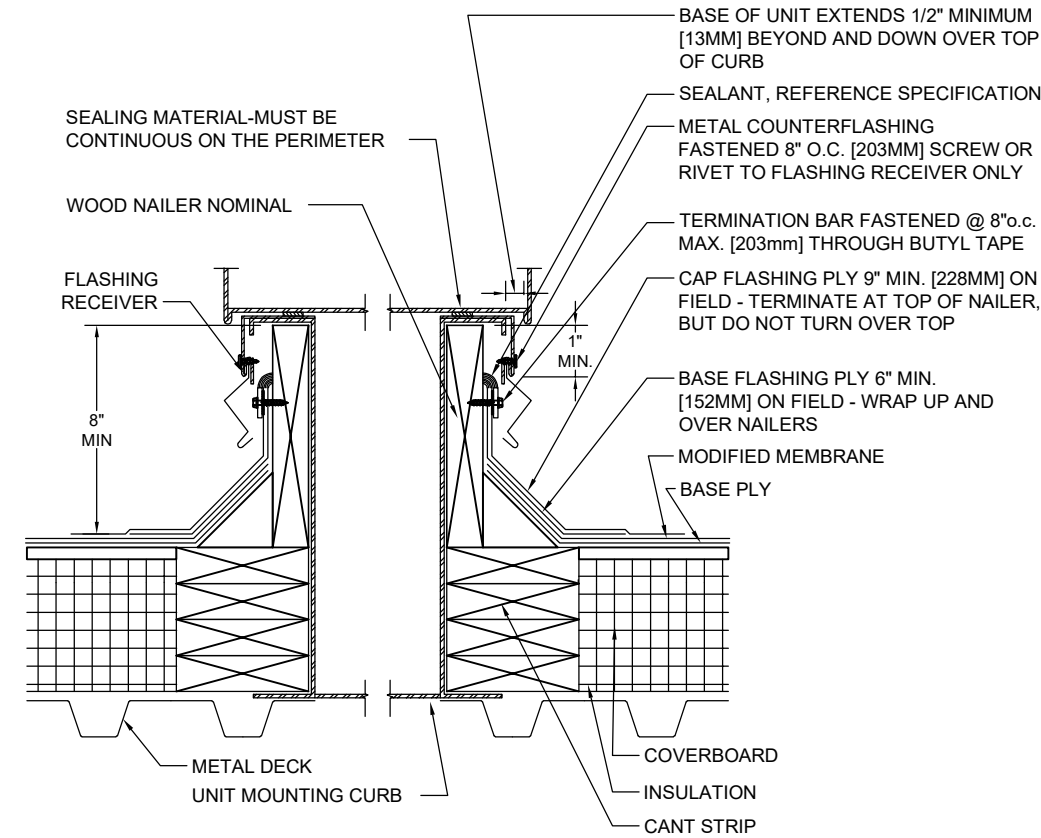
SECTION 404: THE LEVEL OF MEANS OF EGRESS SHALL BE MAINTAINED

DOOR #	ROOM #	DOOR						FRAME			JAMB	GLASS TYPE	RATING/MIN.	PANIC	CLOSER	SIGN TYPE	REMARKS
		DOOR SIZE			TYPE	MAT'L	FINISH	TYPE	MAT'L	FINISH							
		WIDTH	HT.	THK.													
DOOR SCHEDULE																	
A117.1	A117	EXISTING DOOR TO REMAIN															
A117.2	A117	2'-6"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	-	
A117.3	A117	3'-0"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	1	
A118.1	A118	EXISTING DOOR TO REMAIN															
A118.2	A118	2'-6"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	-	
A118.3	A118	3'-0"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	1	
A121.1	A121	EXISTING DOOR TO REMAIN															
A121.2	A121	2'-6"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	-	
A121.3	A121	3'-0"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	1	
A122.1	A122	EXISTING DOOR TO REMAIN															
A122.2	A122	2'-6"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	-	MODIFY FRAME AS REQ'D TO CHANGE DOOR SWING
A122.3	A122	3'-0"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	1	
A124.1	A124	EXISTING DOOR TO REMAIN															
A124.2	A124	2'-6"	7'-2"	1 3/4"	I	WD	STAIN	FRAME	ETR	-	-	-	-	-	-	-	
D124.1	D124	EXISTING DOOR TO REMAIN															
D124.2	D124	EXISTING DOOR TO REMAIN															
D125.1	D125	EXISTING DOOR TO REMAIN															
D125.2	D125	(2) 3'-0"	7'-2"	1 3/4"	II	WD	STAIN	FRAME	ETR	-	G-1	-	-	-	●		
D140.1	D140	EXISTING DOOR TO REMAIN															
D140.2	D140	3'-0"	7'-2"	1 3/4"	II	WD	STAIN	FRAME	ETR	-	G-1	-	-	-			
D140.3	D140	3'-0"	7'-2"	1 3/4"	II	WD	STAIN	FRAME	ETR	-	G-2	-	-	-	●		

DOOR SCHEDULE GENERAL NOTES:	
1.	DIMENSIONS ARE APPROXIMATE, VIF ALL EXISTING FRAMES & DOOR SIZES
2.	PREP AND PAINT ALL EXISTING FRAMES
3.	

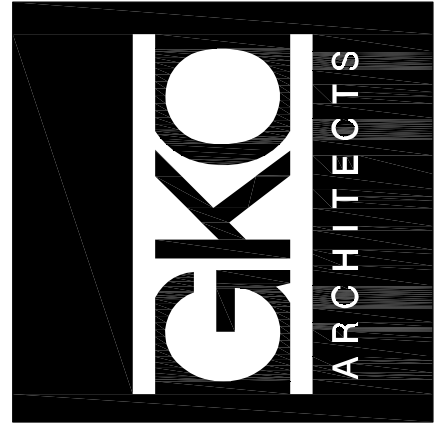


DOOR TYPES		GLAZING TYPES	
		INTERIOR GLAZING: G-1 CLEAR FLOAT GLASS FULLY TEMPERED G-2 CLEAR INSULATED GLASS FULLY TEMPERED	
		SIGNAGE 1. LETTERING SIZE & FONT TO MEET ADA REQUIREMENTS. 2. ALL SIGNS ARE SIZED AS NOTED. 3. ALL SIGNS ARE ACRYLIC WITH RAISED CHARACTERS AND SYMBOLS WITH BRAILLE UNLESS NOTED OTHERWISE. SIGN & LETTERING COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.	



1
A0.2
TYP. MECHANICAL CURB
SCALE: 1 1/2" = 1'-0"

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ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET, MEDIA, PA 19063

REVISIONS	

DRAWN BY	AK/SK
REVIEWED	EN
JOB #	2627
SHEET TITLE	

CODE SHEET,
KEY PLANS,
SCHEDULES,
DETAIL

SHEET #

A0.2

SCALE	AS NOTED
DATE	03-28-2025

X##	DEMOLITION / REFURBISHMENT KEYNOTES:
DEMOLITION - GENERAL:	
D01	DEMOLISH EXIST. VCT/CARPET AND RUBBER BASE. PREP SLAB FOR NEW FINISH.
D02	DEMOLISH UPPER AND LOWER CABINET CABINETRY, COUNTERTOPS, AND METAL SHELVING.
D03	DEMOLISH CHALKBOARD / TACKBOARD/ MARKER BOARD ASSEMBLIES IN THEIR ENTIRETY. PREP WALL SURFACE TO RECEIVE NEW PAINT.
D04	DEMOLISH CEILING TILE AND GRID. WHERE INDICATED WITH *** DEMOLISH PLASTER CEILING ABOVE TILE. (IN FCS LAB ONLY)
D05	REMOVE DOOR AND HARDWARE.. EXISTING FRAME TO REMAIN. PREP FOR NEW DOOR.
D06	REMOVE DOOR, FRAME AND HARDWARE. PREP OPENING FOR INFILL.
D07	EXIST. HOOD TO BE REINSTALLED IN NEW LOCATION. DEMOLISH ASSOCIATED SOFFIT AND ACCESSORIES. PREP HOOD FOR NEW FINISH. COORDINATE W/ MECH. CONTRACTOR.
D08	DEMOLISH MOUNTED VISUAL DISPLAY. PREP WALL SURFACE FOR NEW INSTALLATION.

GENERAL DEMOLITION NOTES:

- WHEN DEMOLISHED ITEM REVEALS EXISTING CONSTRUCTION TO REMAIN, CONTRACTOR SHALL PATCH TO MATCH EXISTING ADJACENT CONSTRUCTION TO REMAIN AT REMOVED ITEM. FOR CMU WALLS, TOOTH-IN NEW BLOCK WHERE CUT UNITS OR OPEN CORES ARE EXPOSED. REMOVE MORTAR/ DEBRIS FROM SURFACE OF WALL.
- DASHED LINES TYPICALLY REPRESENT ITEMS TO BE DEMOLISHED. REFER TO KEYNOTES FOR ADDITIONAL INFORMATION AND INSTRUCTION.
- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS NOT INDICATED ON THIS PLANS.
- DEMOLITION KEYNOTES SHOWN BELOW ROOM TAG DESIGNATIONS OR CENTERED IN ROOM SHALL APPLY TO ENTIRE ROOM, UNLESS NOTED OTHERWISE.
- PROVIDE PROPER PROTECTION FOR ALL SURFACES TO REMAIN DURING CONSTRUCTION.

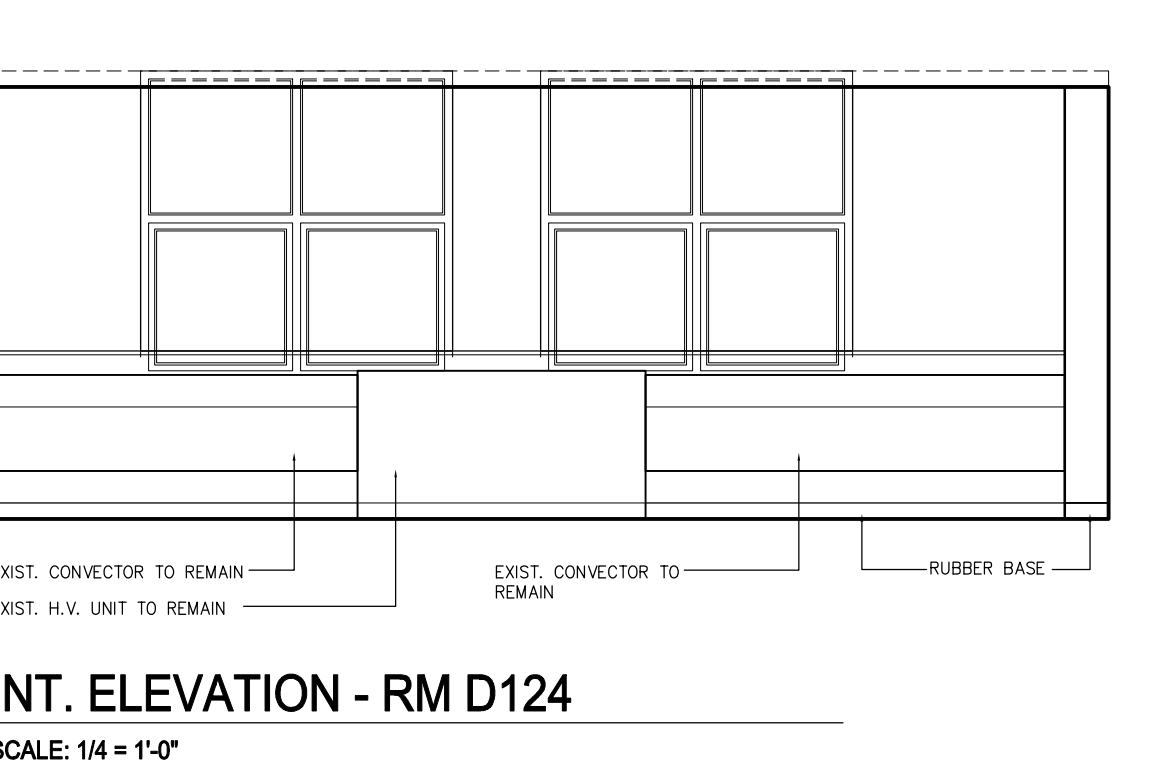
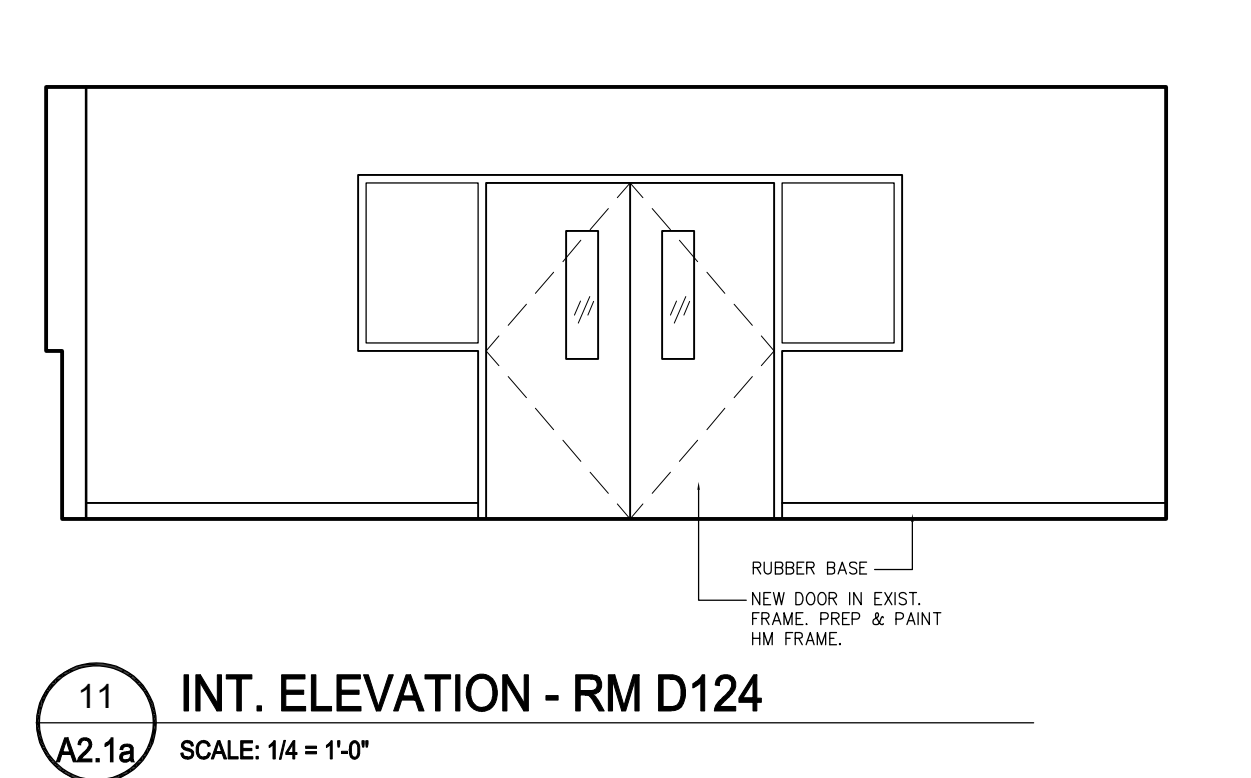
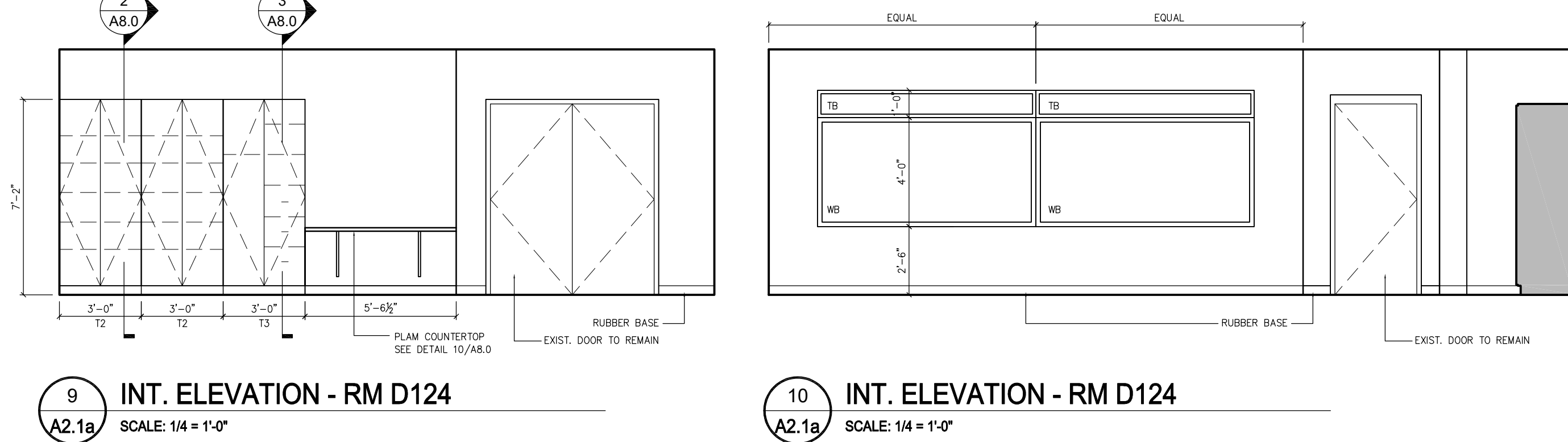
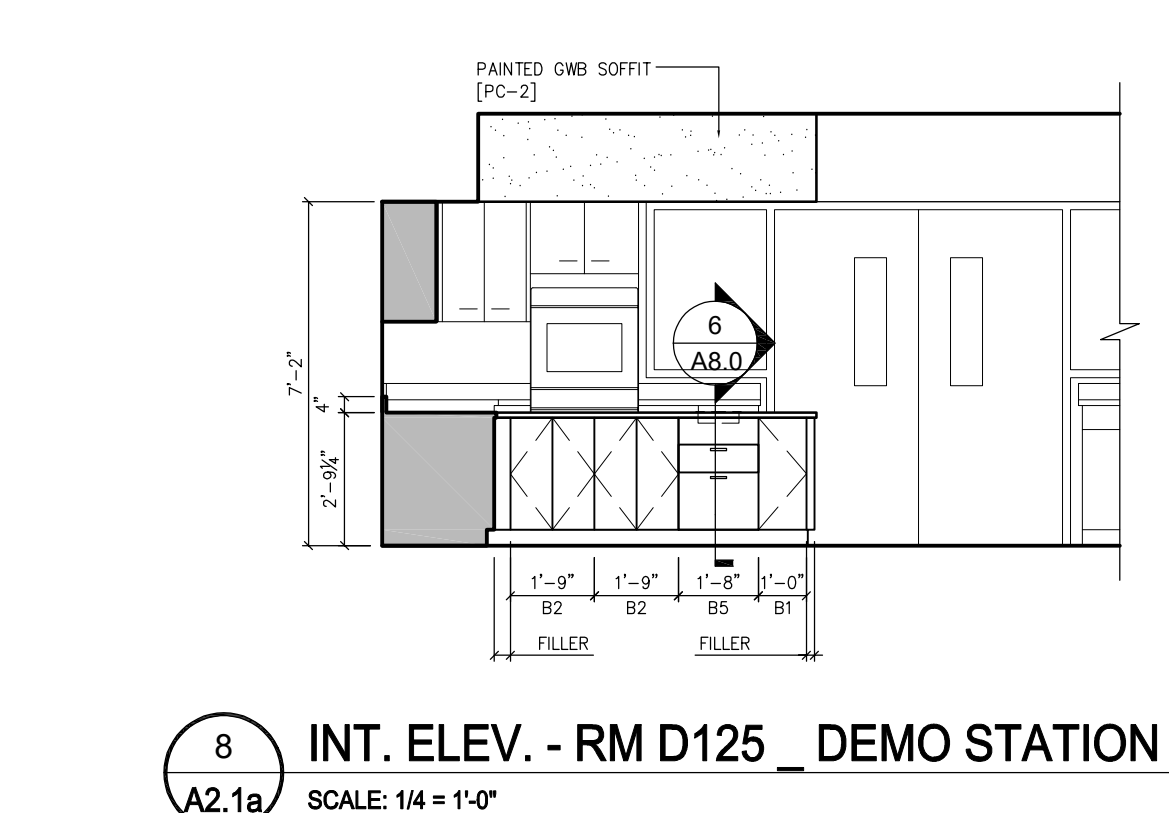
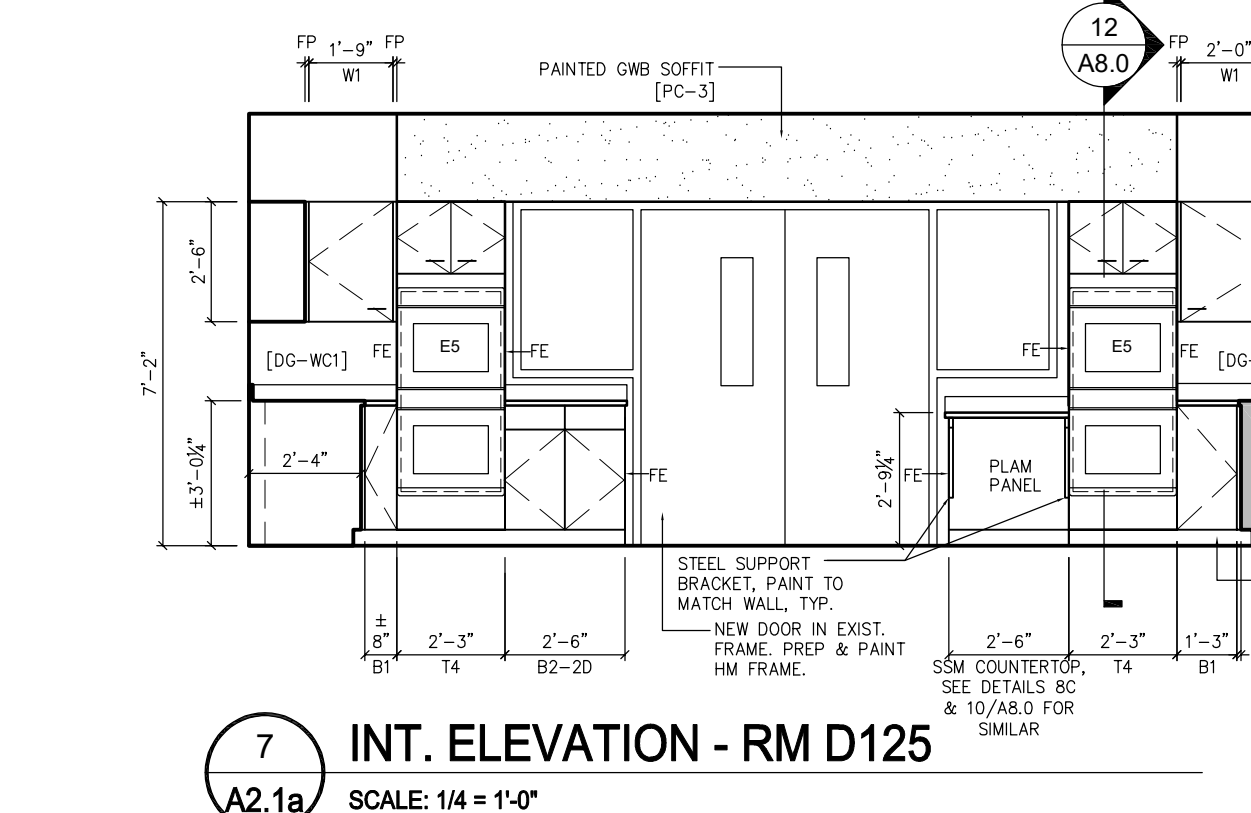
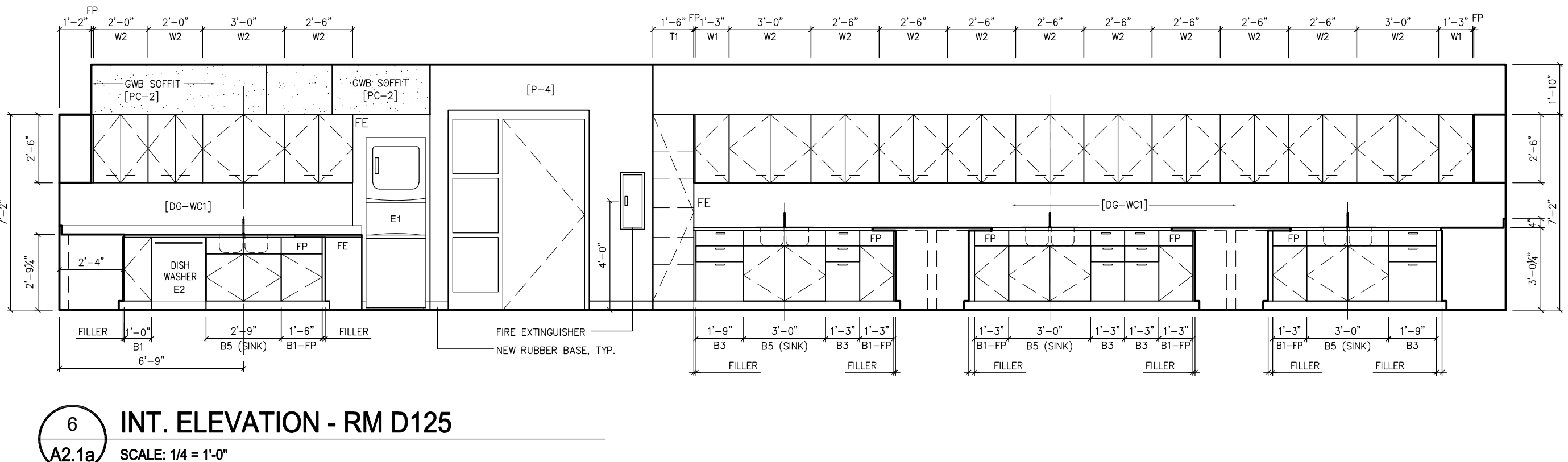
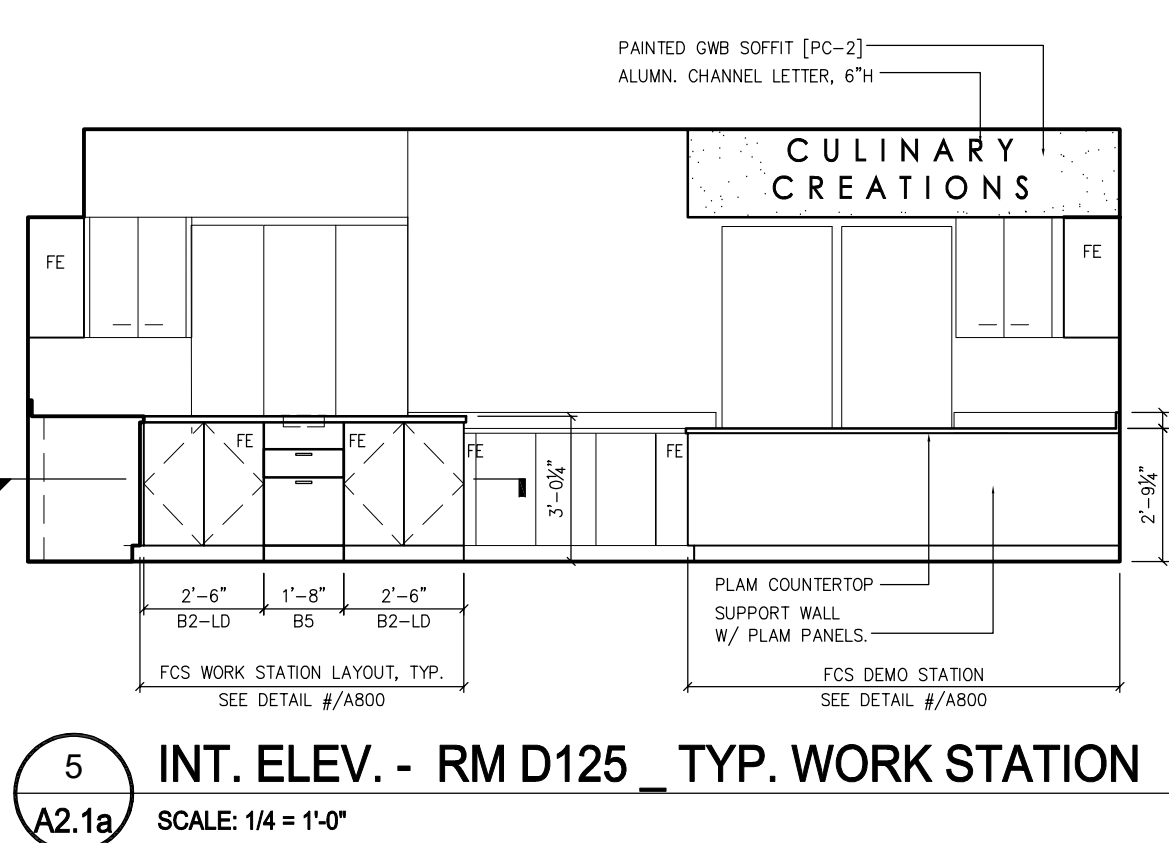
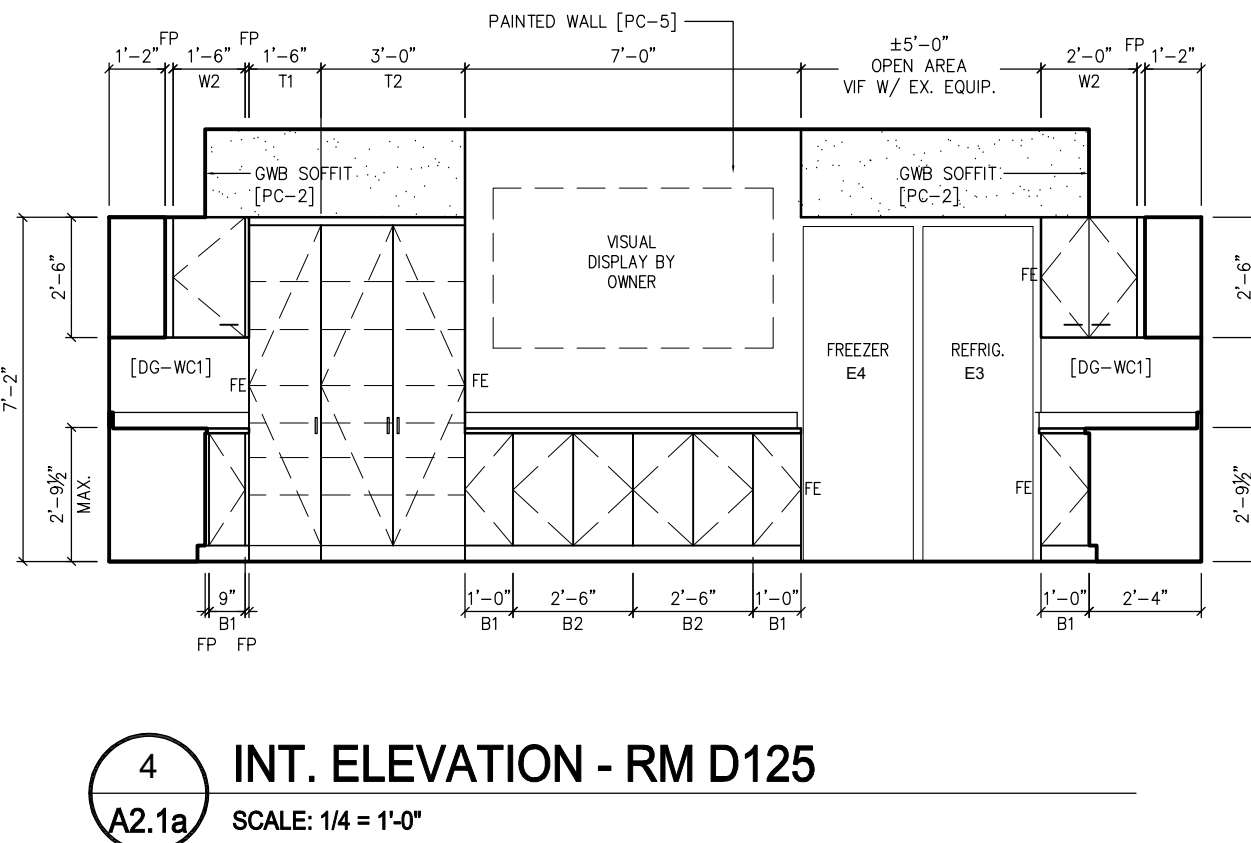
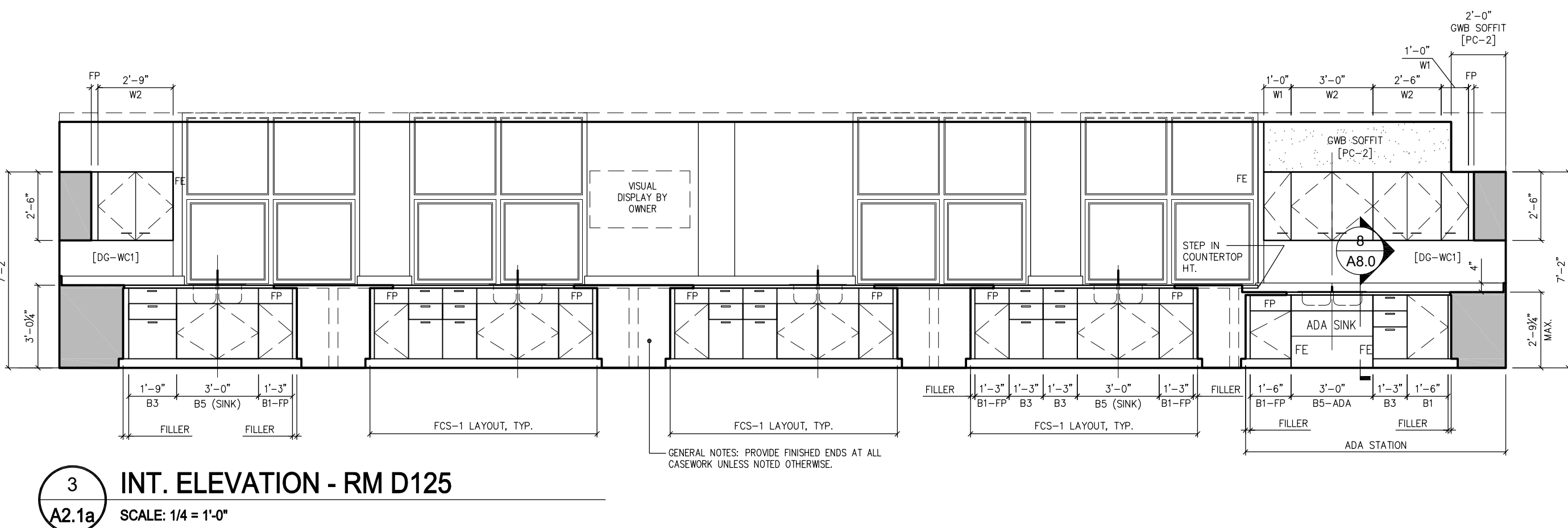
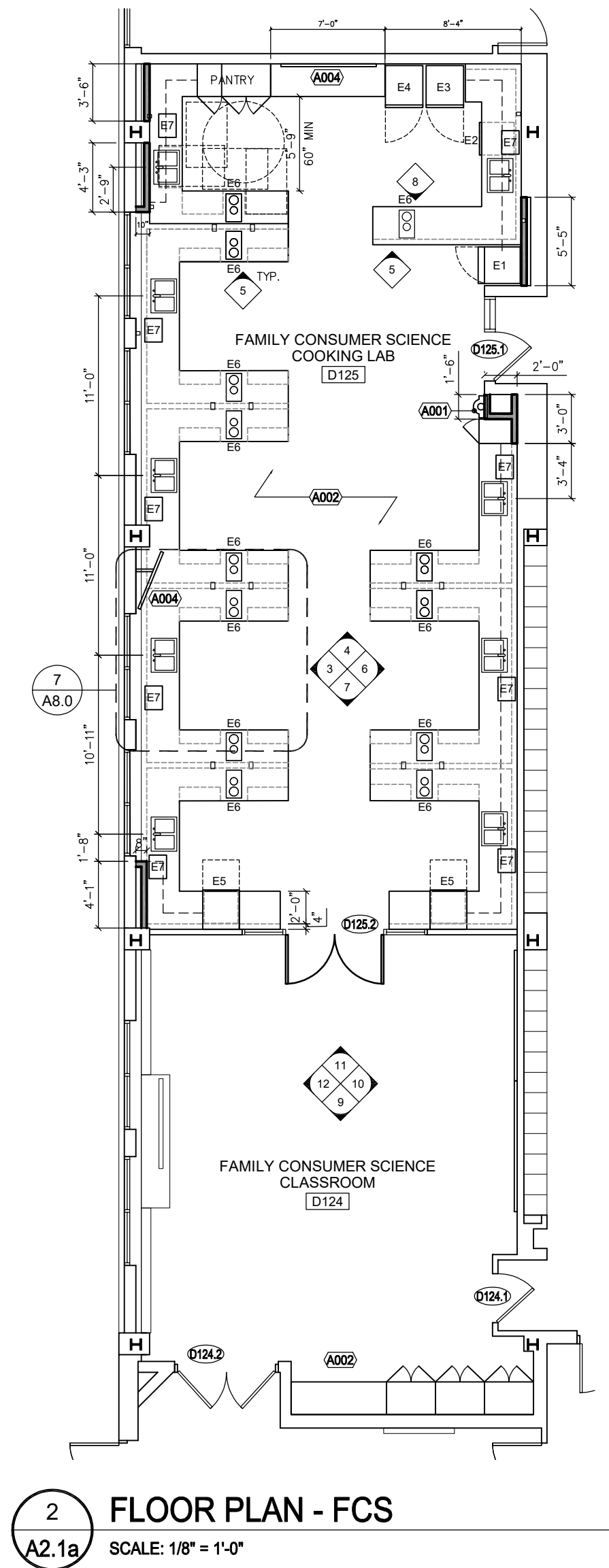
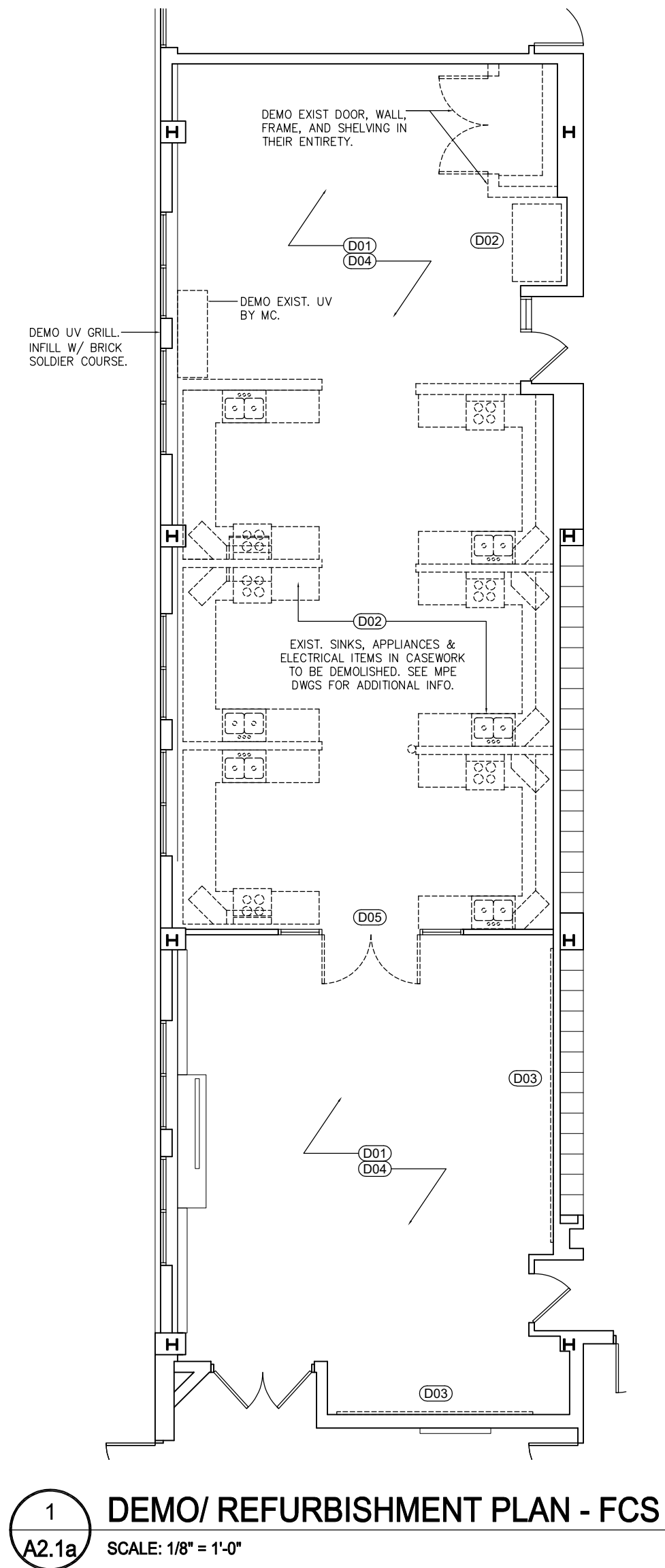
A##	FLOOR PLAN - KEYNOTES
A001	FIRE EXTINGUISHER W/ RECESSED CABINET
A002	NEW PLAM UPPER AND LOWER CABINETRY W/ COUNTERTOPS, AS NOTED. SEE INTERIOR ELEVATIONS, CABINETRY LEGEND, AND INT. FINISH LEGEND.
A003	APPLY ELECTROSTATIC PAINT TO EXHAUST HOOD, FINAL COLOR TBD.
A004	VISUAL DISPLAY MONITOR BY OWNER

GENERAL FLOOR PLAN NOTES:

- PREP AND PAINT ALL EXISTING HM FRAMES FOR DOORS, WINDOWS, ETC.
- ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION, UNLESS NOTED OTHERWISE (U.N.O.).
- ALL NEW WALLS SHALL TYPICALLY ALIGN WITH EXISTING ADJACENT WALL SURFACE, WHERE APPLICABLE. GC SHALL TOOTH-IN MASONRY AND PROVIDE REPEATED BLOCK FILLER COATINGS TO SUFFICIENTLY MATCH EXISTING SURFACE, WHERE NEW WALLS INFILL AT EXISTING OPENINGS. CONTRACTOR SHALL FIELD VERIFY EXTENT; DIMENSIONS SHOWN ON PLAN ARE APPROXIMATE AND FOR REFERENCE ONLY.
- AT ALL EXISTING FIRE EXTINGUISHERS TO REMAIN, TEMPORARILY REMOVE EXTINGUISHER AND PROPERLY STORE FOR DURATION OF RENOVATION PHASE. REINSTALL UNIT UPON COMPLETION OF WORK IN SAME LOCATION. U.N.O.
- WB(H=WHITE BOARD) AND TB(TACK BOARD) UNITS ARE SCHEMATICALLY LOCATED ON FLOOR PLANS. REFERENCE INTERIOR ELEVATIONS & DETAILS FOR NEW WORK PERTAINING TO TYPES & LAYOUTS OF VISUAL DISPLAY BOARDS.

FLOOR PLAN SYMBOLS LEGEND:

	EXISTING WALL TO REMAIN, TYP.		DETAIL NUMBER
	NEW WALL, GWB ON 4" MTL. STUD, EXTEND TO 4" ABOVE CEILING		SHEET WHERE DETAIL IS LOCATED
	CMU INFILL		SECTION DETAIL NUMBER
	NAME --- ROOM NAME		SHEET WHERE SECTION IS LOCATED
	R#W --- ROOM NUMBER		DIRECTIONAL VIEW
	DOOR NUMBER; REFER TO DOOR SCHEDULE		MULTIPLE-VIEW INTERIOR ELEVATION TAG
	DASHED ITEMS TO BE DEMOLISHED, UNO.		DIRECTIONAL VIEW OF ACTIVE INTERIOR ELEVATION
			SINGLE-VIEW INTERIOR ELEVATION TAG



FCS EQUIPMENT SCHEDULE					
EF	QTY	NAME	MANF	MODEL #	REMARKS
E1	1	WASHER/DRYER	GE APPLIANCES	GUW27ESSM	BY GC
E2	1	DISHWASHER	HOBART CORPORATION	LX18 ML-104349	BY OWNER
E3	1	REFRIGERATOR	SUMMIT COMMERCIAL	SCRR232	BY GC
E4	1	FREEZER	SUMMIT COMMERCIAL	SCFF237LH	BY GC
E5	2	DOUBLE OVEN	GE APPLIANCES	JKD3000SNS	BY GC
E6	13	ELECT. COOKTOP	SUMMIT COMMERCIAL	CR2B15T1B	BY GC
E7	9	MICROWAVE	GE APPLIANCES	GCST07N1WSS	BY GC

NOTE: SEE MPE DRAWINGS FOR EQUIPMENT VENTILATION, PLUMBING & ELECTRICAL REQUIREMENTS. COORDINATE W/ MPE CONTRACTORS.

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CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET, MEDIA, PA 19063

PCHS
FAMILY
CONSUMER
SCIENCE

A2.1a

SCALE: AS NOTED
DATE: 03-28-2025

STAMP

CONSULTANTS

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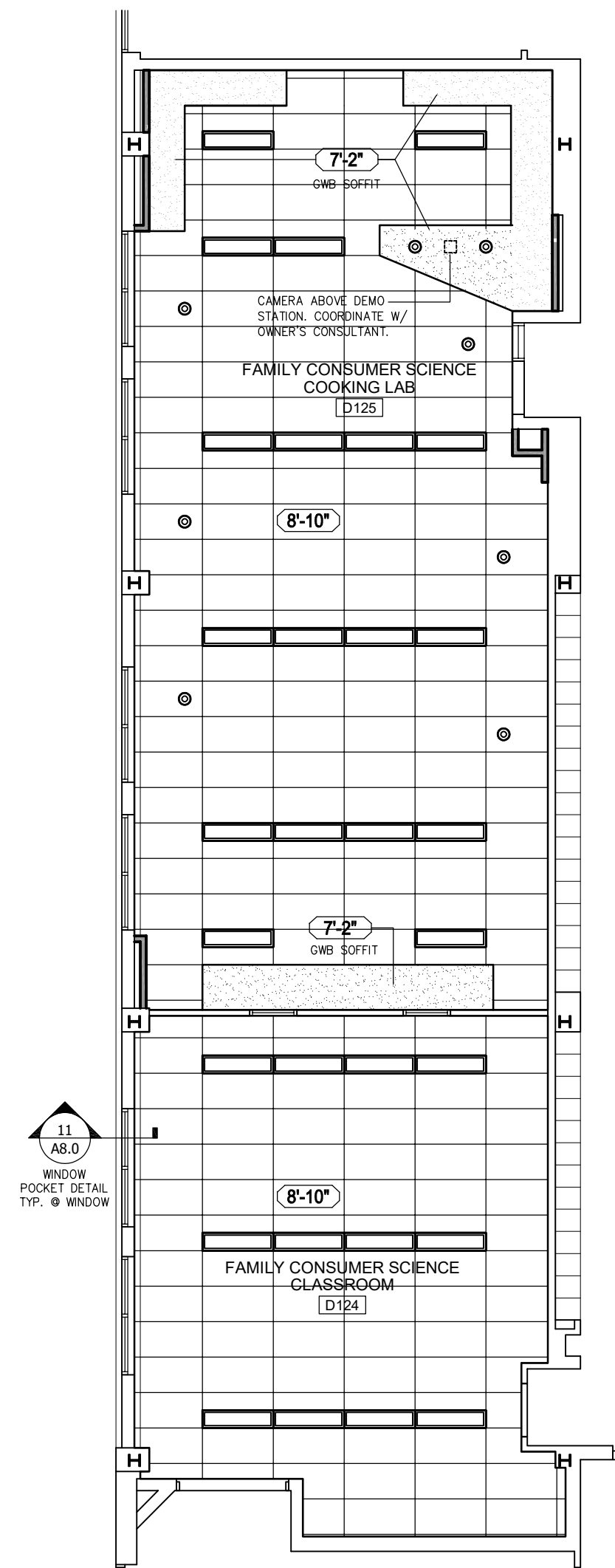


CEILING LEGEND

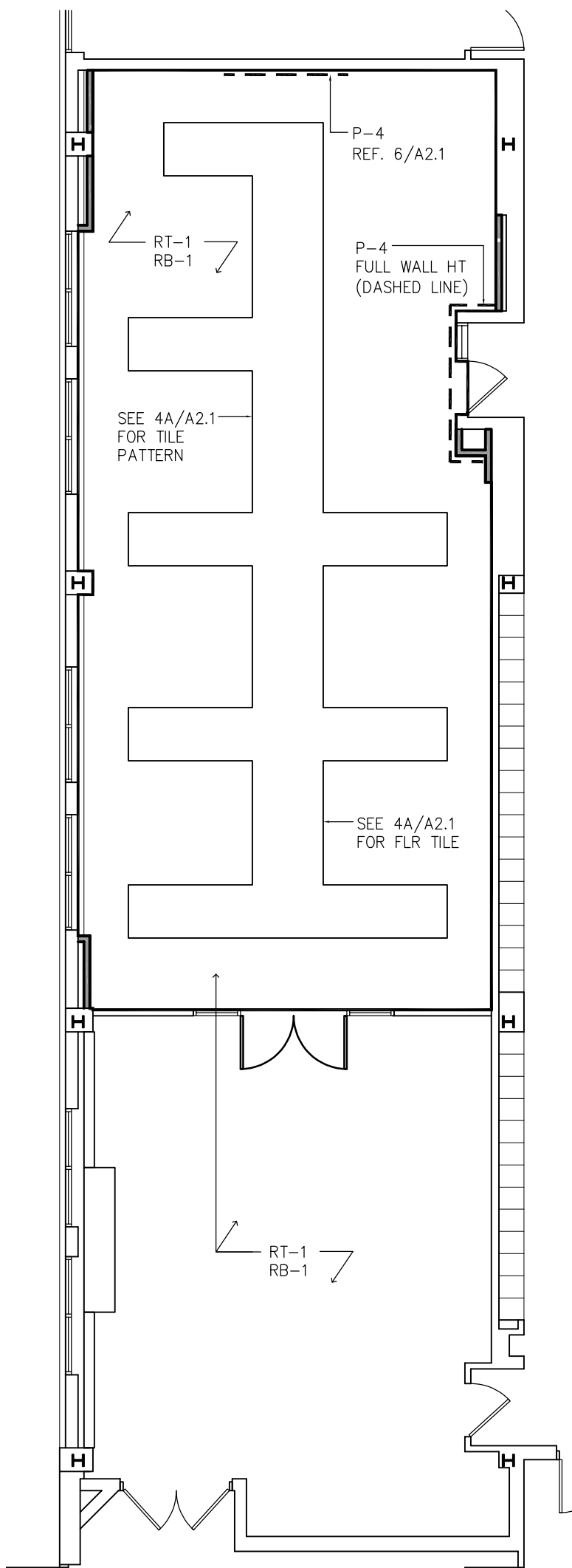
- 2X4 ACOUSTICAL PANEL CEILING TILE AND GRID (APC-1)
- 2X4 ACOUSTICAL PANEL CEILING TILE ONLY (APC-2)
- ACOUSTICAL PANEL CEILING TILE AND GRID (APC-K) (KITCHEN AREA)
- PAINTED GWB CEILING/ SOFFIT
- NEW FIXTURE (ONE EXAMPLE) REFER TO EC DWGS FOR EXACT FIXTURE & TYPE.

GENERAL RCP NOTES

- ACOUSTICAL CEILING TILE GRID - FULL TILE STARTING POINT INDICATED BY WHERE NO STARTING POINT IS INDICATED OR DIMENSIONS ARE PROVIDED, GRID IS CENTERED WITHIN ROOM.
- ALL LIGHT FIXTURE DIMENSIONS SHOWN ARE TO CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
- ALIGN FACE OF SOFFIT WITH FACE OF FINISH WALL OR COLUMN ENCLOSURE UNLESS NOTED OTHERWISE.
- ALL DOWNLIGHTS ARE CENTERED IN GWB CEILING / SOFFITS, UNLESS NOTED OTHERWISE.
- WHERE EXISTING CEILING TO REMAIN, PLACE NEW LIGHT FIXTURES IN EXISTING FIXTURE LOCATIONS UNLESS NOTED OTHERWISE. PATCH EXISTING GWB / PLASTER CEILING AS REQUIRED. PAINT SURROUND TO MATCH ADJACENT FINISH.
- ALL EXPOSED EXISTING OR NEW DUCTWORK, PIPING AND CONDUITS SHALL BE PAINTED BY THE GC TO MATCH THE ADJACENT SURFACE COLOR UNLESS NOTED OTHERWISE OR INSTRUCTED BY THE ARCHITECT IN THE FIELD.
- GC TO REFERENCE H-SERIES DRAWINGS FOR CEILING PATCHING AT REMOVED OR RELOCATED MECHANICAL SYSTEMS.
- IF NO LIGHTING IS SHOWN ON RCP PLANS, REFERENCE THE ELECTRICAL DRAWINGS FOR LIGHTING LOCATIONS.
- IF NO MECHANICAL DIFFUSERS ARE SHOWN IN PLAN, REFERENCE THE MECHANICAL DRAWINGS FOR SUPPLY AND RETURN DIFFUSERS LOCATIONS.
- SUBCONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO INSTALLING NEW CEILING GRID - VERIFY THE HEIGHT SPECIFIED ON THE RCP DWGS WILL WORK AND NOT INTERFERE WITH EXISTING CONDITIONS AND NEW WORK.

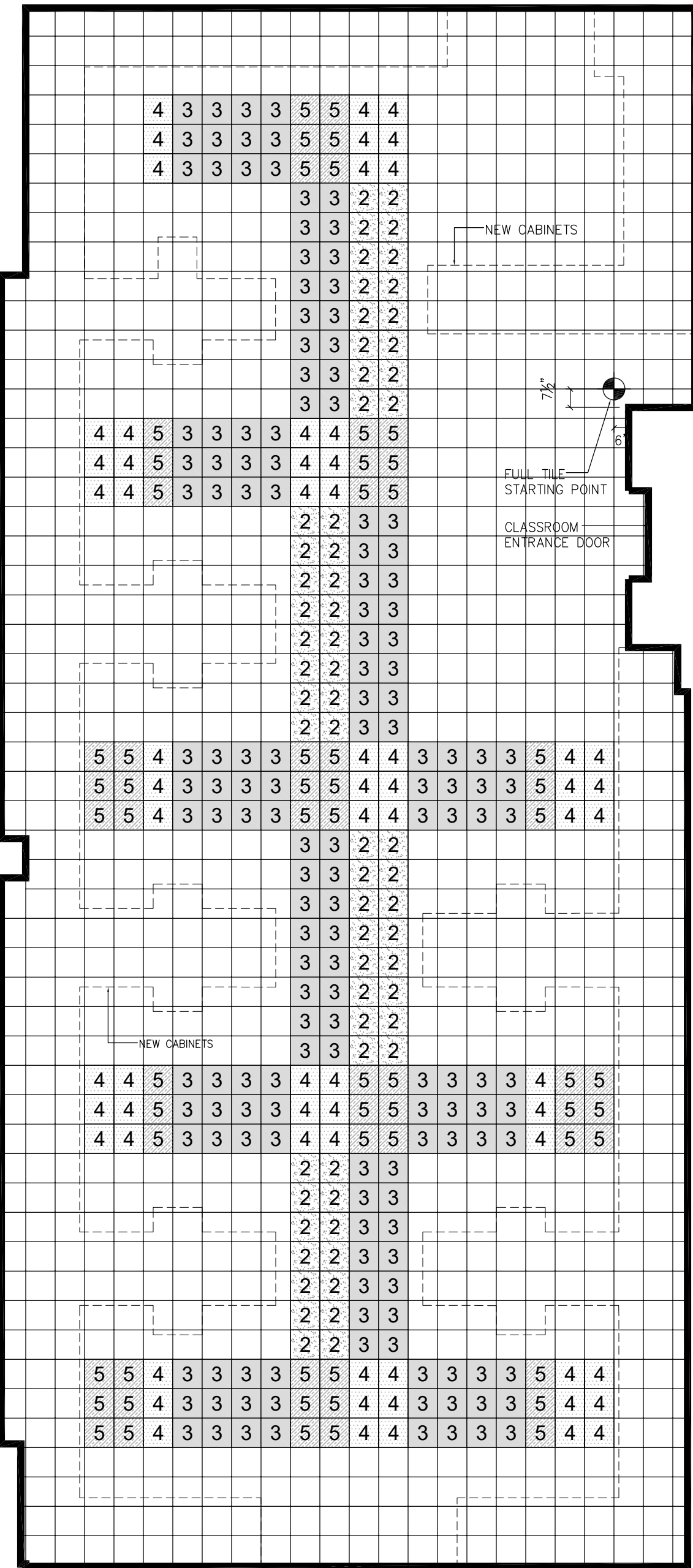


1 REFL. CEILING PLAN - FCS
A2.1b SCALE: 1/8" = 1'-0"



2 FINISH PLAN - FCS
A2.1b SCALE: 1/8" = 1'-0"

- FLOOR PATTERN LEGEND
- RT-1 (FIELD) ##### TBD
- RT-2 #####TBD
- RT-3 #####TBD
- RT-4 #####TBD
- RT-5 #####TBD



2A FLOOR TILE PATTERN PLAN - FCS
A2.1b SCALE: 1/4" = 1'-0"

ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025

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CONSULTANTS

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DRAWN BY AK/SK
REVIEWED EN
JOB # 2627

SHEET TITLE

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SHEET #

A2.1b

SCALE AS NOTED
DATE 03-28-2025

(X##)	DEMOLITION / REFURBISHMENT KEYNOTES:
DEMOLITION - GENERAL:	
D01	DEMOLISH EXIST. VCT/CARPET AND RUBBER BASE. PREP SLAB FOR NEW FINISH.
D02	DEMOLISH UPPER AND LOWER CABINET CABINETS, COUNTERTOPS, AND METAL SHELVING.
D03	DEMOLISH CHALKBOARD / TACKBOARD/ MARKER BOARD ASSEMBLIES IN THEIR ENTIRETY. PREP WALL SURFACE TO RECEIVE NEW PAINT.
D04	DEMOLISH CEILING TILE AND GRID. WHERE INDICATED WITH *** DEMOLISH PLASTER CEILING ABOVE TILE. (IN FCS LAB ONLY)
D05	REMOVE DOOR AND HARDWARE... EXISTING FRAME TO REMAIN. PREP FOR NEW DOOR.
D06	REMOVE DOOR, FRAME AND HARDWARE. PREP OPENING FOR INFILL.
D07	EXIST. HOOD TO BE REINSTALLED IN NEW LOCATION. DEMOLISH ASSOCIATED SOFFIT AND ACCESSORIES. PREP HOOD FOR NEW FINISH. COORDINATE W/ MECH. CONTRACTOR.
D08	DEMOLISH MOUNTED VISUAL DISPLAY. PREP WALL SURFACE FOR NEW INSTALLATION.

GENERAL DEMOLITION NOTES:

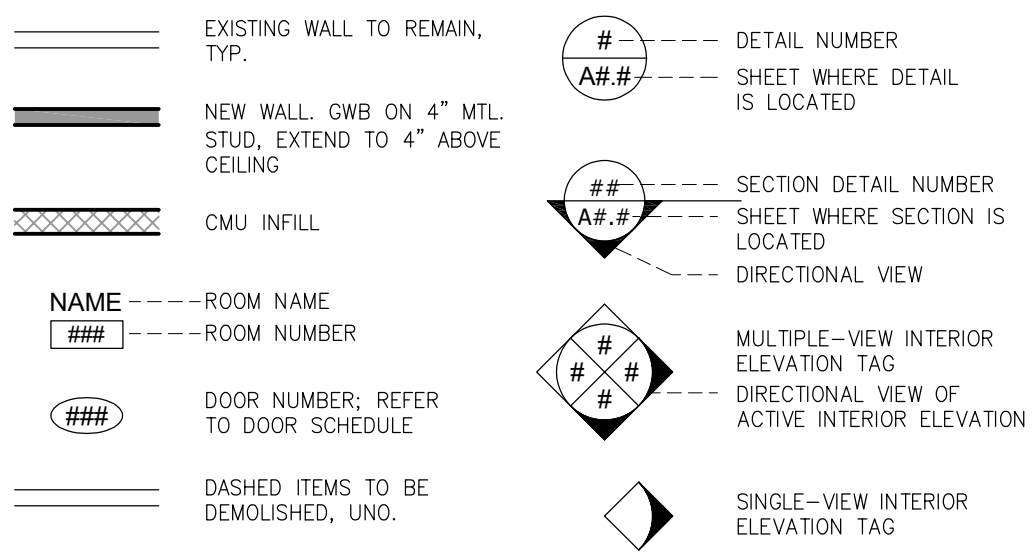
- WHEN DEMOLISHED ITEM REVEALS EXISTING CONSTRUCTION TO REMAIN, CONTRACTOR SHALL PATCH TO MATCH EXISTING ADJACENT CONSTRUCTION TO REMAIN AT REMOVED ITEM. FOR CMU WALLS, TOOTH-IN NEW BLOCK WHERE CUT UNITS OR OPEN CORES ARE EXPOSED. REMOVE MORTAR/ DEBRIS FROM SURFACE OF WALL.
- DASHED LINES TYPICALLY REPRESENT ITEMS TO BE DEMOLISHED. REFER TO KEYNOTES FOR ADDITIONAL INFORMATION AND INSTRUCTION.
- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS NOT INDICATED ON THIS PLANS.
- DEMOLITION KEYNOTES SHOWN BELOW ROOM TAG DESIGNATIONS OR CENTERED IN ROOM SHALL APPLY TO ENTIRE ROOM, UNLESS NOTED OTHERWISE.
- PROVIDE PROPER PROTECTION FOR ALL SURFACES TO REMAIN DURING CONSTRUCTION.

(A##)	FLOOR PLAN - KEYNOTES
A001	FIRE EXTINGUISHER W/ RECESSED CABINET
A002	NEW PLAM UPPER AND LOWER CABINETRY W/ COUNTERTOPS. AS NOTED, SEE INTERIOR ELEVATIONS, CABINETRY LEGEND, AND INT. FINISH LEGEND.
A003	APPLY ELECTROSTATIC PAINT TO EXHAUST HOOD, FINAL COLOR TBD.
A004	VISUAL DISPLAY MONITOR BY OWNER

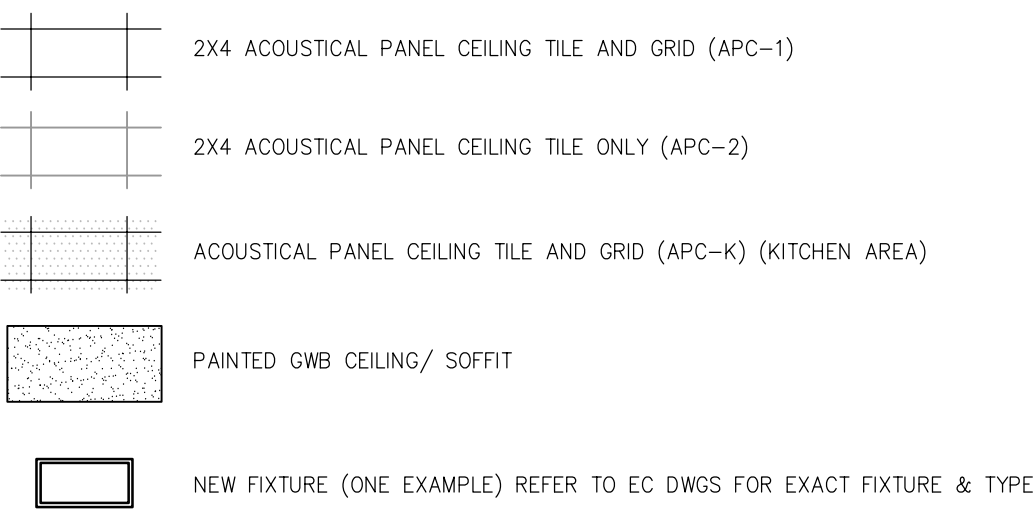
GENERAL FLOOR PLAN NOTES:

- PREP AND PAINT ALL EXISTING HM FRAMES FOR DOORS, WINDOWS, ETC.
- ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION, UNLESS NOTED OTHERWISE (U.N.O.).
- ALL NEW WALLS SHALL TYPICALLY ALIGN WITH EXISTING ADJACENT WALL SURFACE. WHERE APPLICABLE, GC SHALL TOOTH-IN MASONRY AND PROVIDE REPEATED BLOCK FILLER COATINGS TO SUFFICIENTLY MATCH EXISTING SURFACE. WHERE NEW WALLS INFILL AT EXISTING OPENINGS, CONTRACTOR SHALL FIELD VERIFY EXTENT; DIMENSIONS SHOWN ON PLAN ARE APPROXIMATE AND FOR REFERENCE ONLY.
- AT ALL EXISTING FIRE EXTINGUISHERS TO REMAIN, TEMPORARILY REMOVE EXTINGUISHER AND PROPERLY STORE FOR DURATION OF RENOVATION PHASE. REINSTALL UNIT UPON COMPLETION OF WORK IN SAME LOCATION, U.N.O..
- WB(=WHITE BOARD) AND TB(=TACK BOARD) UNITS ARE SCHEMATICALLY LOCATED ON FLOOR PLANS. REFERENCE INTERIOR ELEVATIONS & DETAILS FOR NEW WORK PERTAINING TO TYPES & LAYOUTS OF VISUAL DISPLAY BOARDS.

FLOOR PLAN SYMBOLS LEGEND:

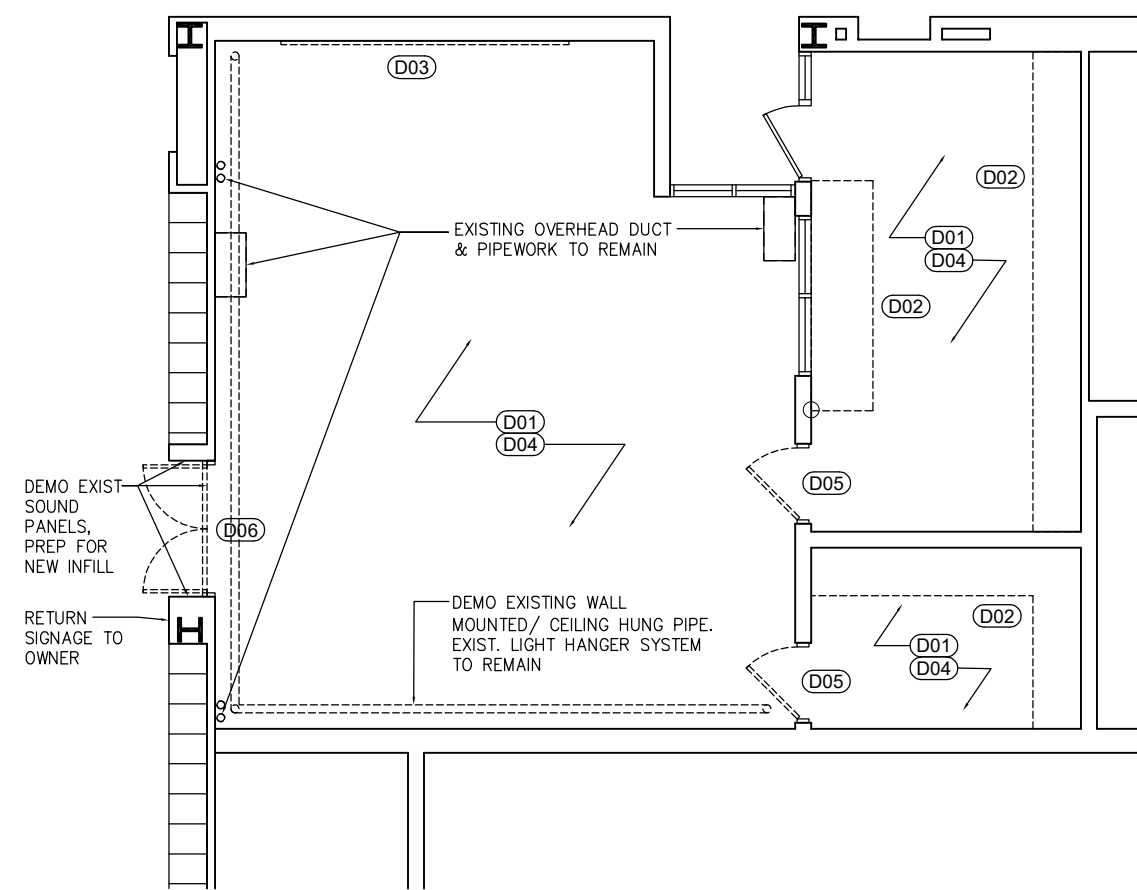


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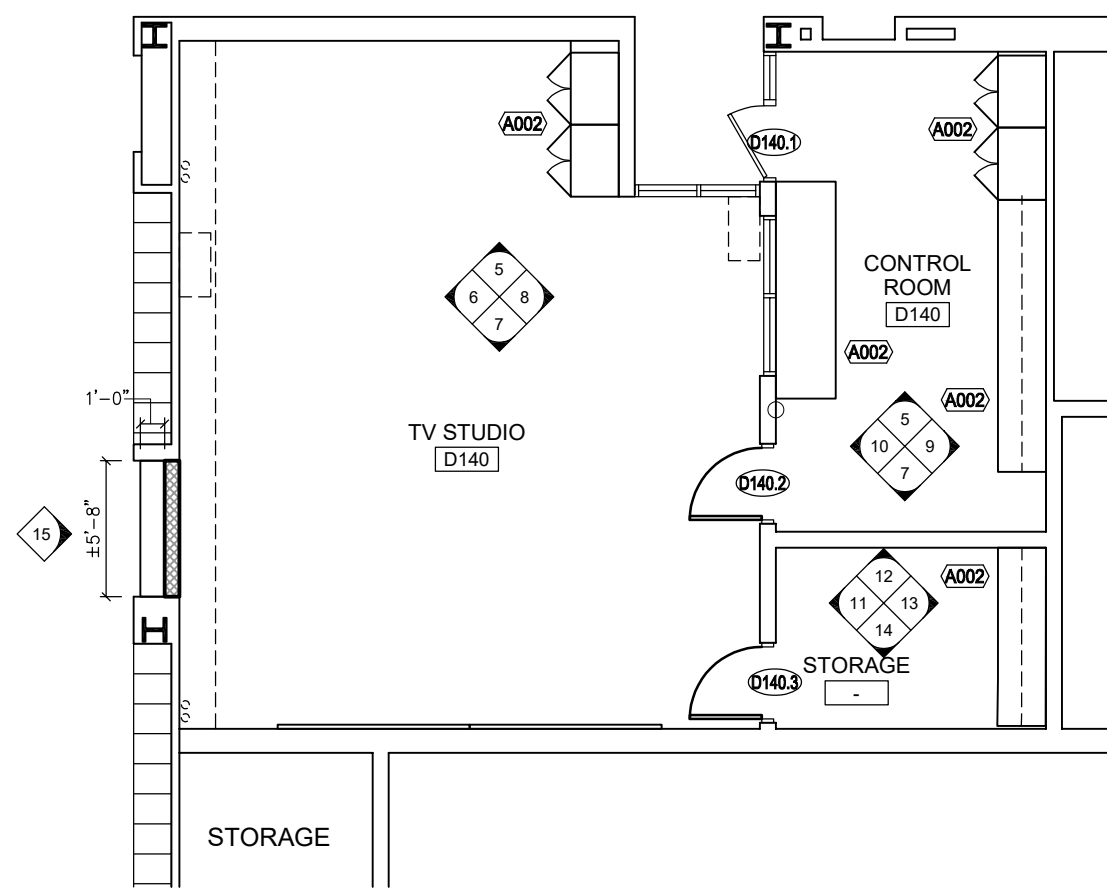


GENERAL RCP NOTES

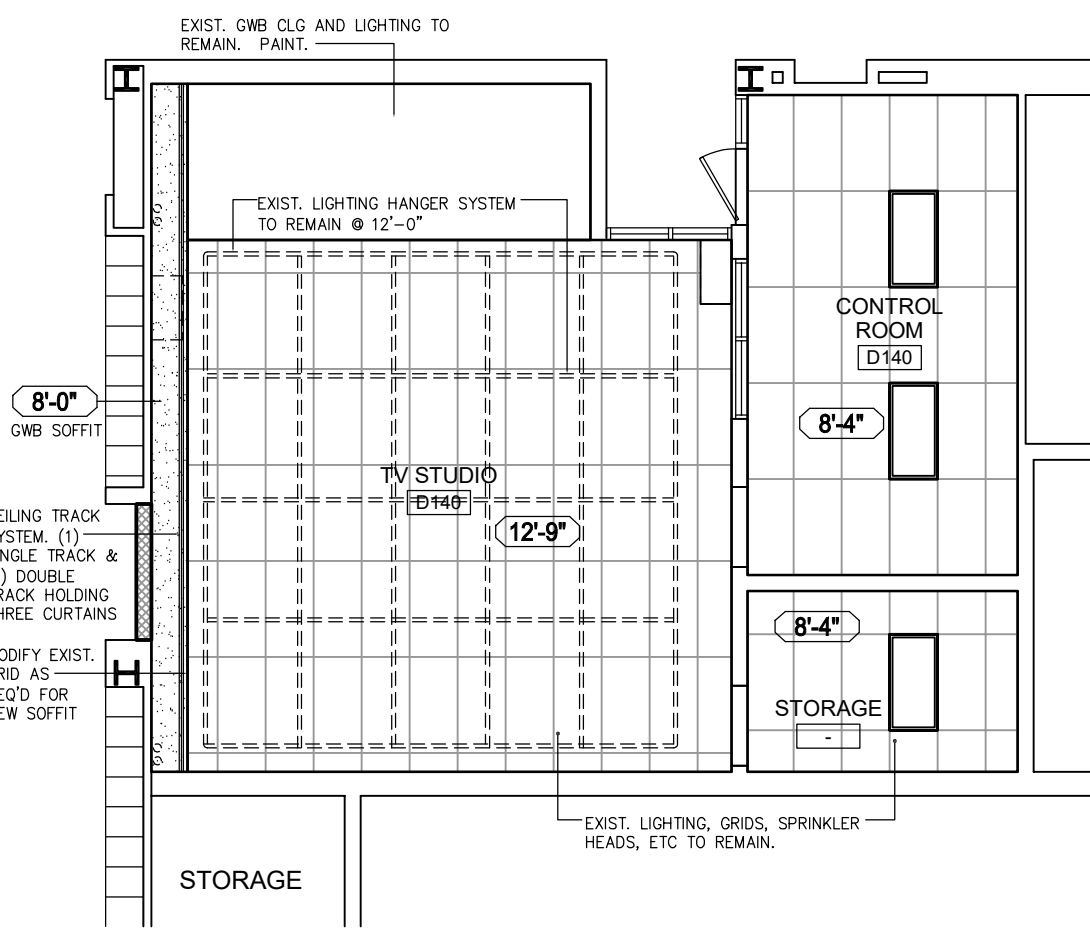
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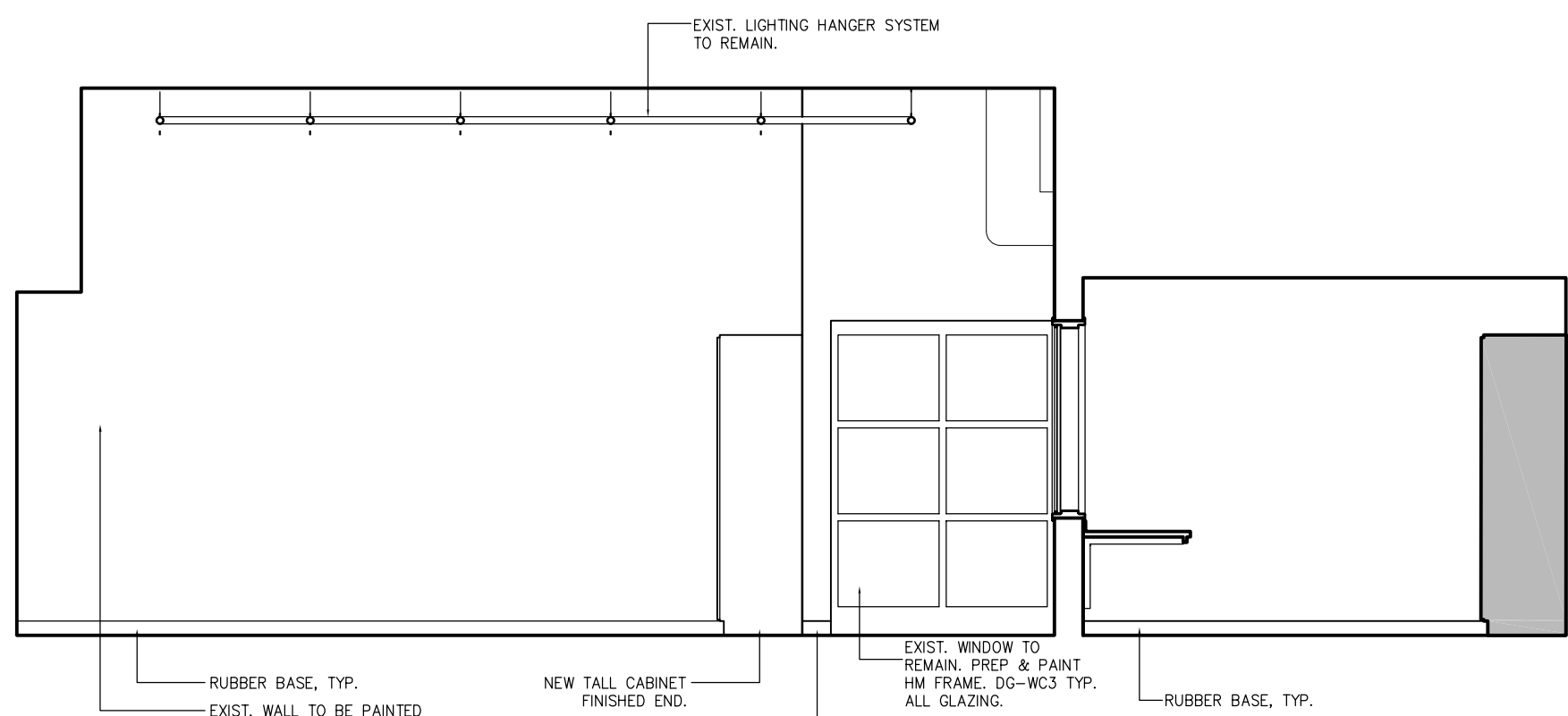
1 DEMOLITION PLAN - TV STUIO
A2.2 SCALE: 1/8" = 1'-0"



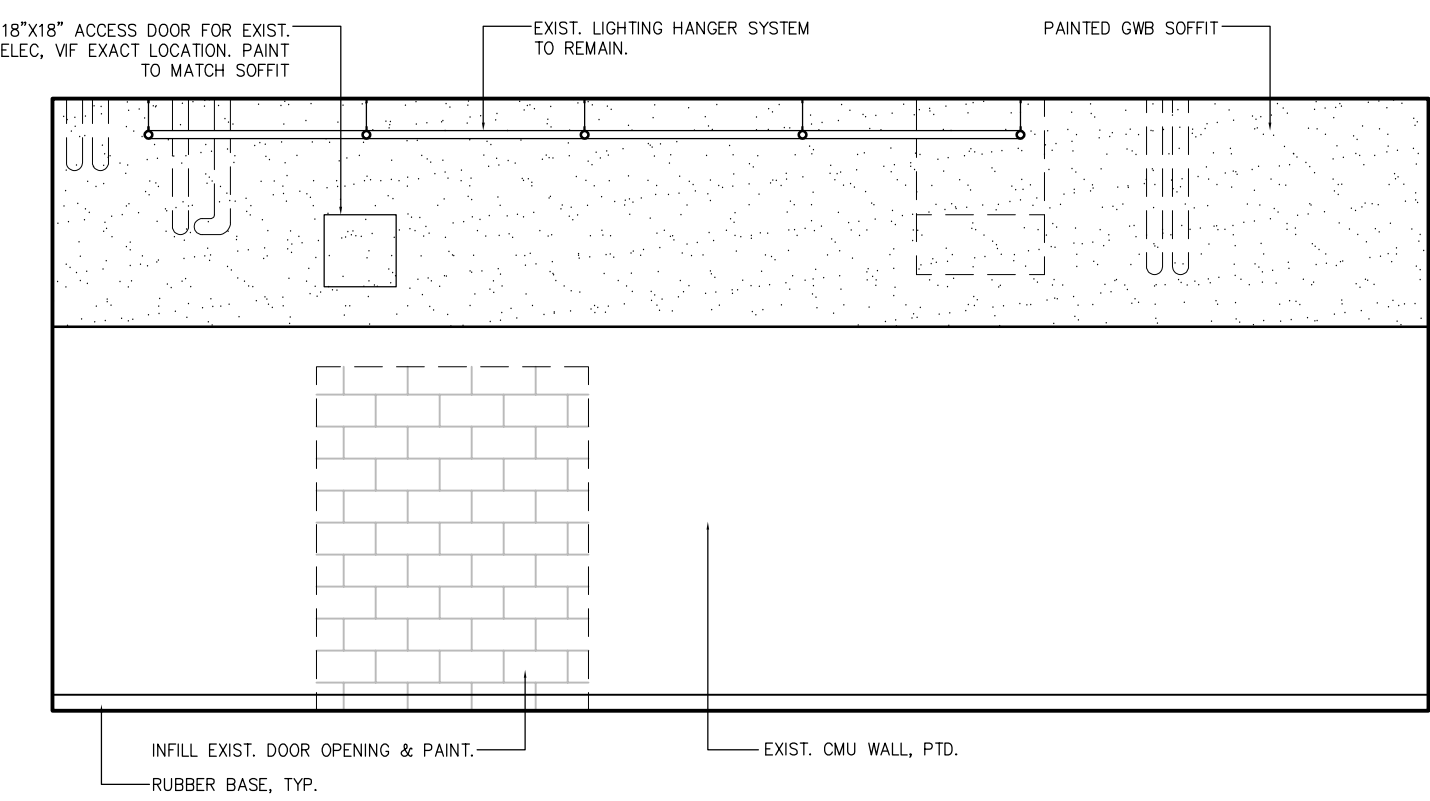
2 FLOOR PLAN - TV STUDIO
A2.2 SCALE: 1/8" = 1'-0"



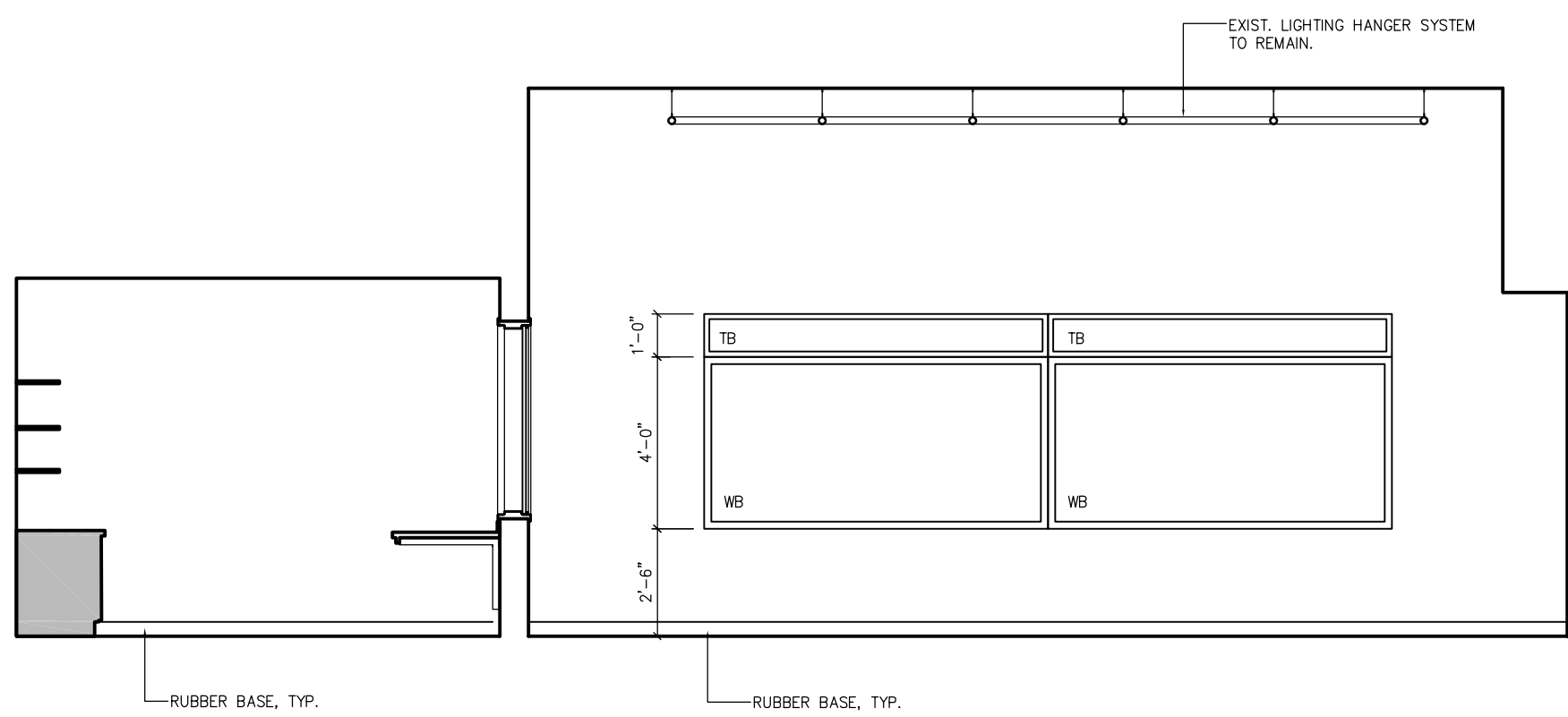
3 REFL. CEILING PLAN - TV STUDIO
A2.2 SCALE: 1/8" = 1'-0"



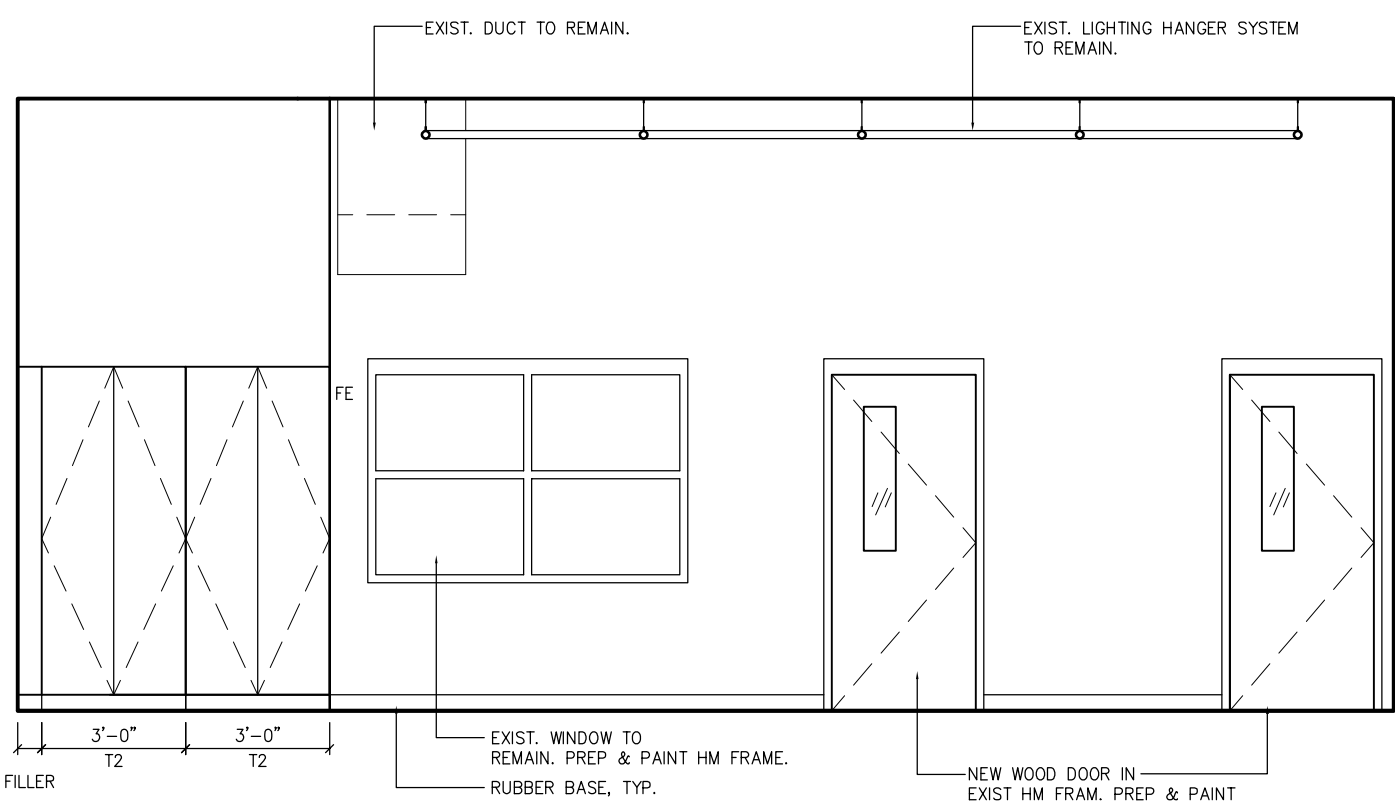
5 INT. ELEVATION - RM D140
A2.2 SCALE: 1/4" = 1'-0"



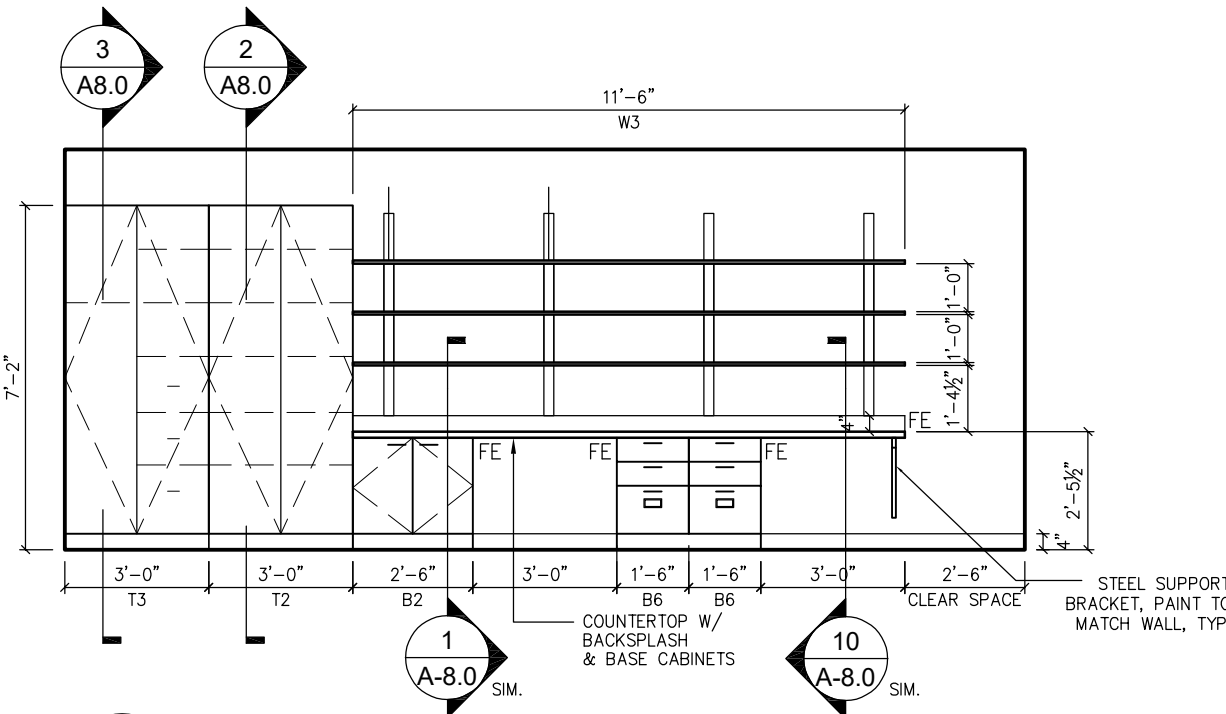
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A2.2 SCALE: 1/4" = 1'-0"



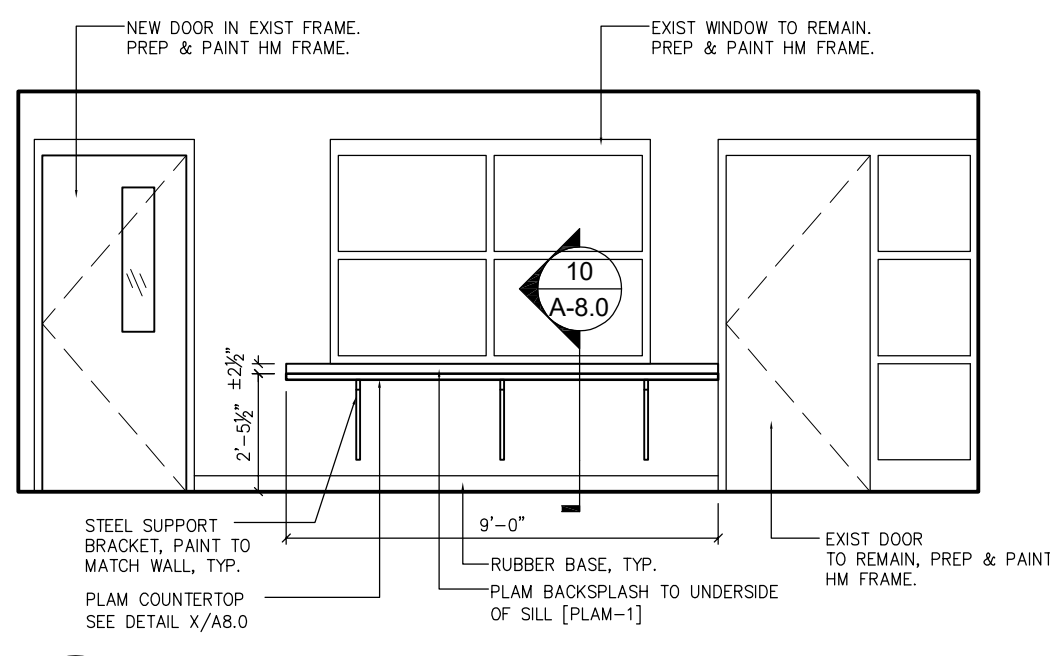
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A2.2 SCALE: 1/4" = 1'-0"



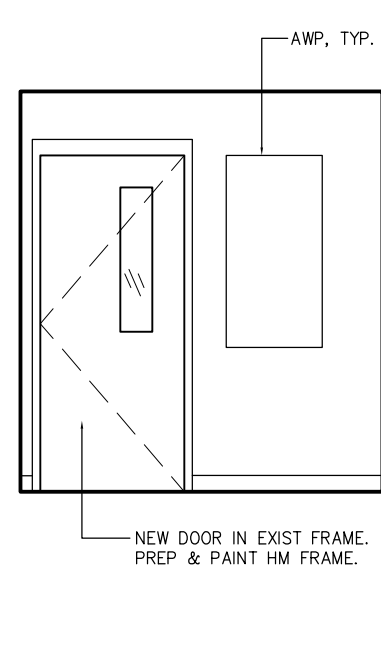
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A2.2 SCALE: 1/4" = 1'-0"



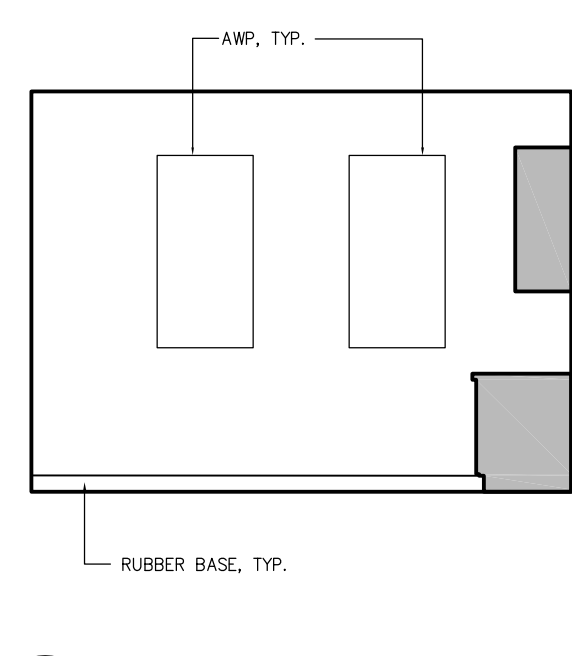
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A2.2 SCALE: 1/4" = 1'-0"



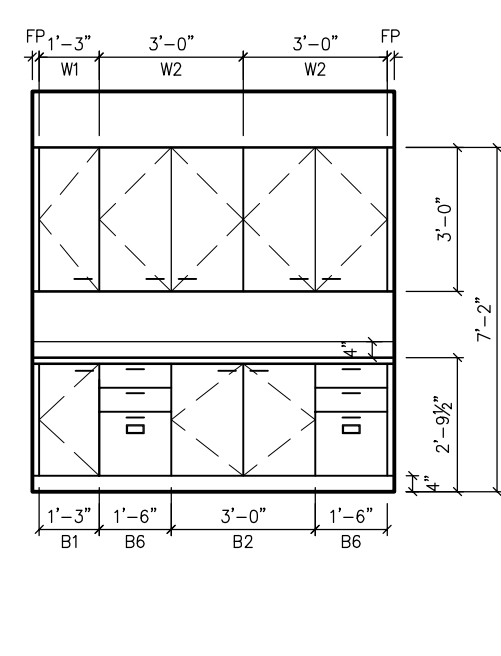
10 INT. ELEVATION - RM D140
A2.2 SCALE: 1/4" = 1'-0"



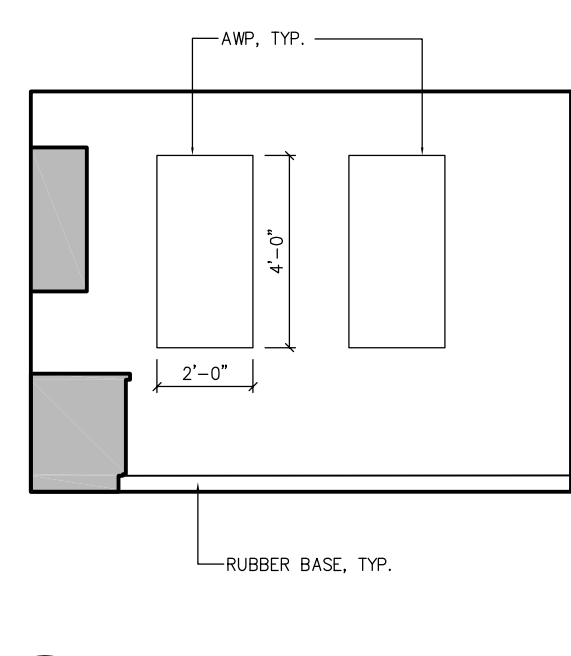
11 INT. ELEV. - STORAGE
A2.2 SCALE: 1/4" = 1'-0"



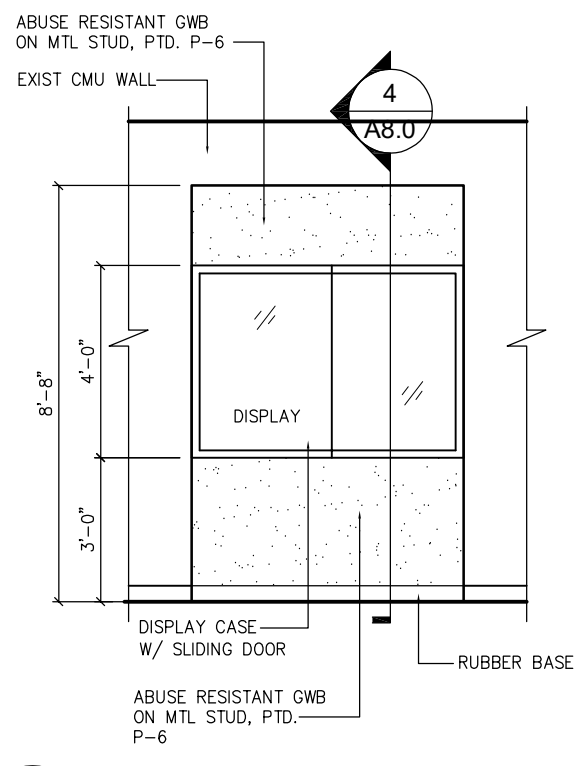
12 INT. ELEV. - STORAGE
A2.2 SCALE: 1/4" = 1'-0"



13 INT. ELEV. - STORAGE
A2.2 SCALE: 1/4" = 1'-0"



14 INT. ELEV. - STORAGE
A2.2 SCALE: 1/4" = 1'-0"



15 INT. ELEV. - CORRIDOR
A2.2 SCALE: 1/4" = 1'-0"

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TV STUDIO

SHEET #

A2.2

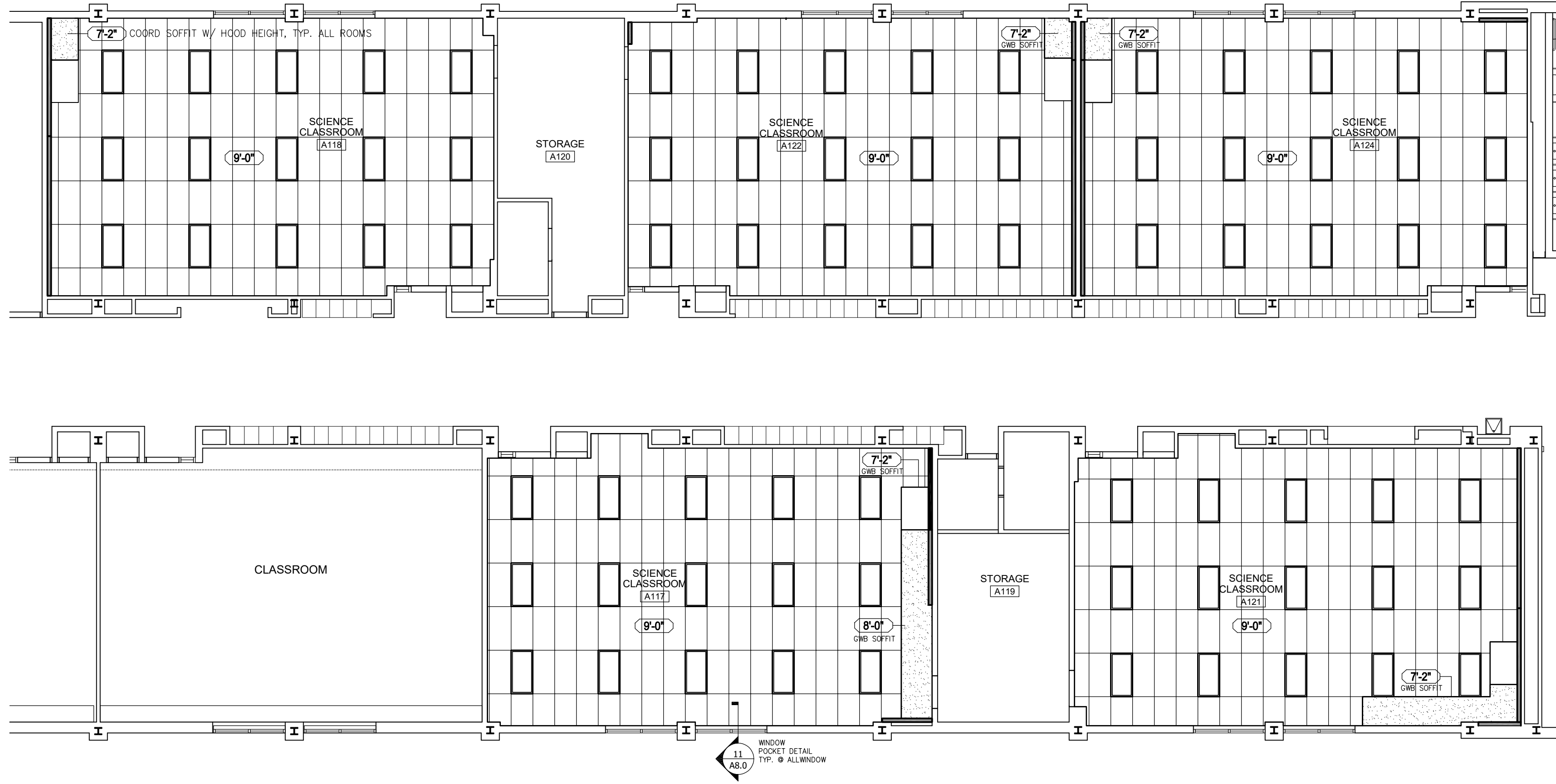
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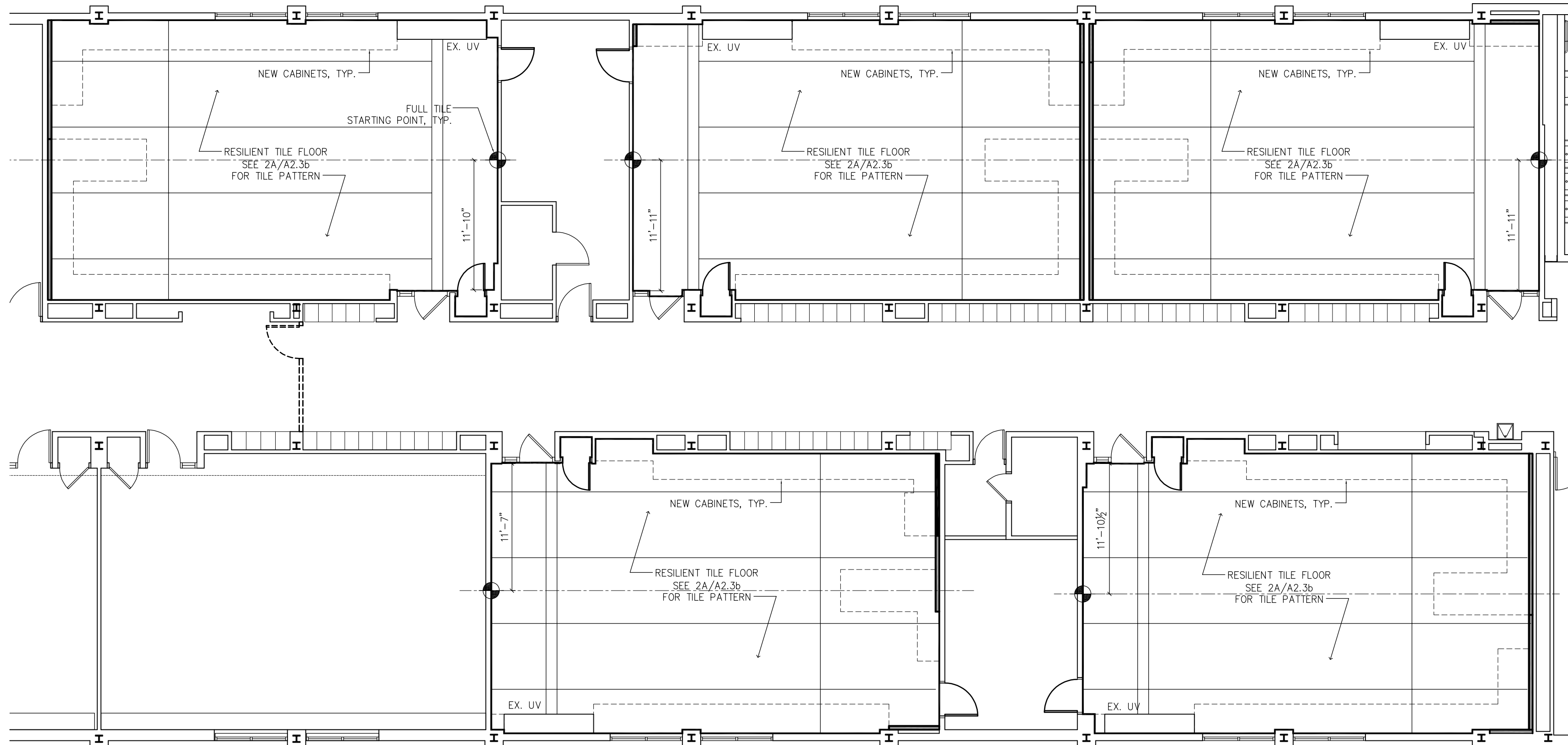
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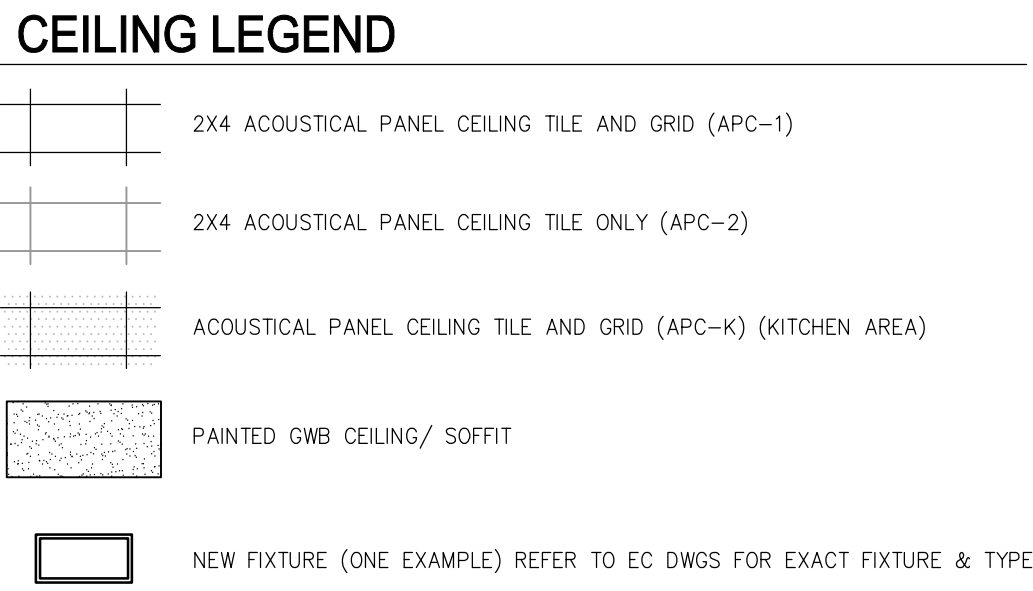
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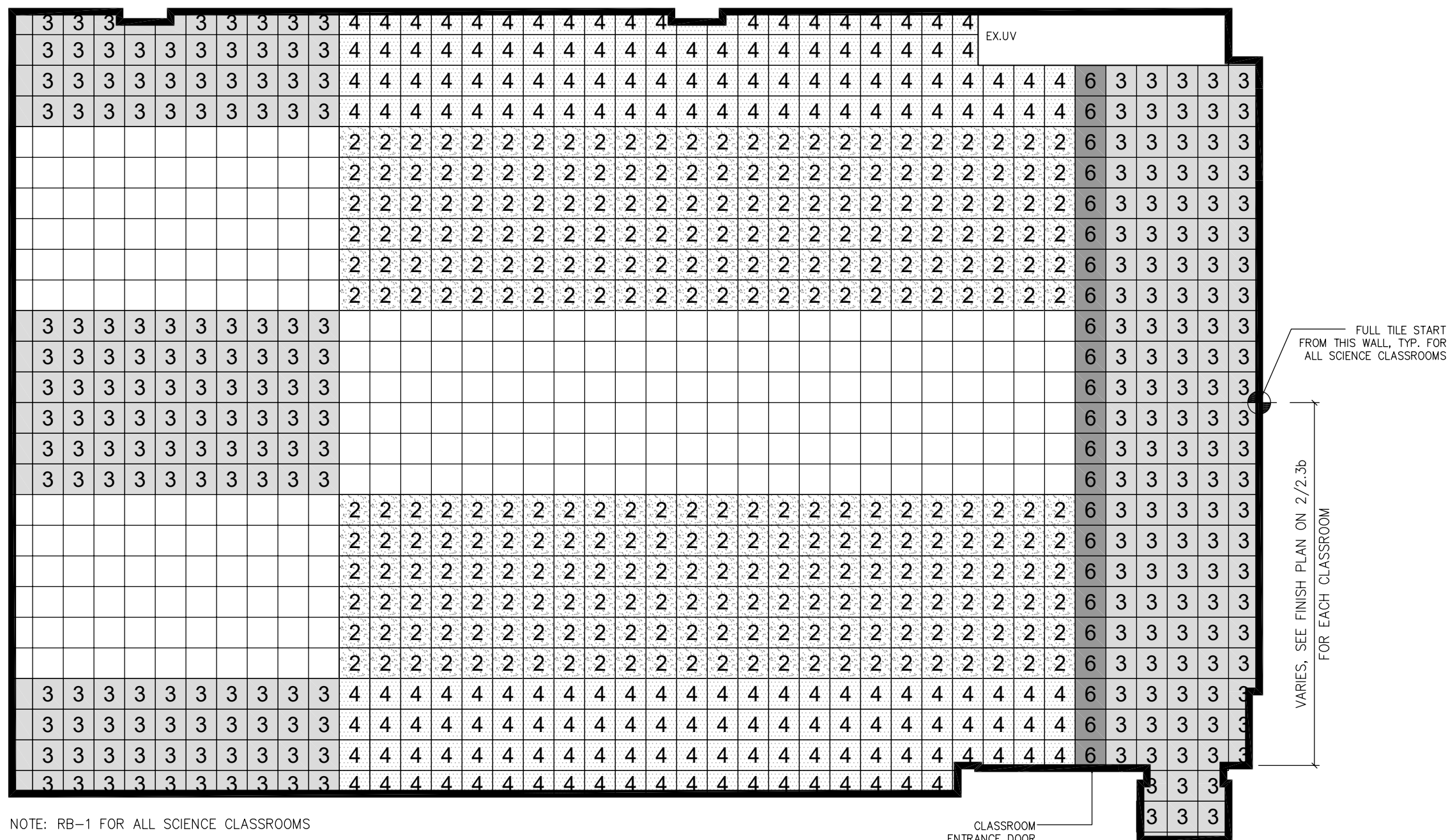
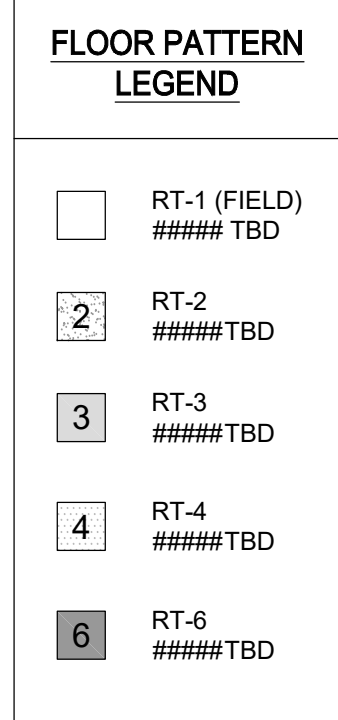
1 REFLECT CEILING PLAN - SCIENCE LABS
SCALE: 1/8" = 1'-0"



2 FINISH PLAN - SCIENCE LABS
SCALE: 1/8" = 1'-0"



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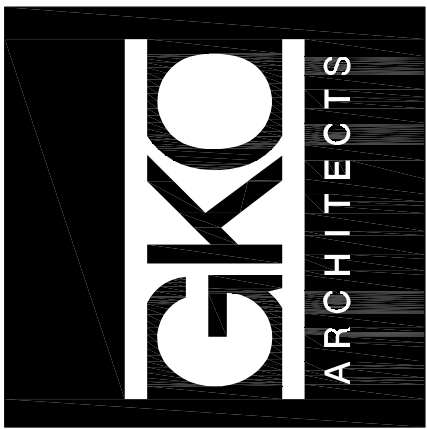


2A FLOOR TILE PATTERN PLAN
SCALE: 1/4" = 1'-0"

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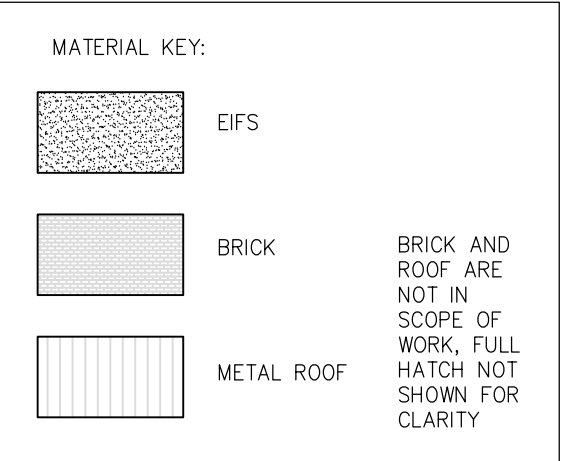
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A2.3b

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REPAIR SURFACE WITH NEW MESH, BASE COAT, AND FINISH COAT. REPAIR DAMAGE AS REQUIRED.
REINSTALL LETTER SIGNAGE.



INTERIOR FINISH - ROOM SCHEDULE							
ROOM #:	ROOM NAME	FLOOR		WALLS	CEILING		REMARKS
		FINISH	BASE		MATL.	FINISH	
A117	SCIENCE CLASSROOM	RT-#	RB-1	P-#	APC-1A		
A118	SCIENCE CLASSROOM	RT-#	RB-1	P-#	APC-1A		
A121	SCIENCE CLASSROOM	RT-#	RB-1	P-#	APC-1A		
A122	SCIENCE CLASSROOM	RT-#	RB-1	P-#	APC-1A		
A124	SCIENCE CLASSROOM	RT-#	RB-1	P-#	APC-1A		
D124	FAMILY CONSUMER SCIENCE CLASSROOM	RT-#	RB-1	P-#	APC-1A		
D125	FAMILY CONSUMER SCIENCE COOKING LAB	RT-#	RB-1	P-#	APC-K		
D140	TV STUDIO	CARP-1	RB-2	P-#	APC-1B		
*	CONTROL ROOM	CARP-1	RB-2	P-#	APC-1A		
*	STORAGE RM.	CARP-1	RB-2	P-#	APC-1A		
GENERAL NOTES:							
1	REFER TO INTERIOR FINISH LEGEND FOR MATERIAL ABBREVIATIONS AND ADDL. INFO.						
2	WHERE WALLS ARE NOTED TO RECEIVE PAINT [P-#], PROVIDE EPOXY PAINT.						
3	AT GWB CEILING SOFFITS IN "F.C.S. COOKING LAB", PROVIDE EPOXY PAINT, MATTE SHEEN.						
4	FULL FLOOR TILE STARTING POINT INDICATED BY NOTE OR BY  W/ DIMENSIONS FOR FLOOR PATTERN						
5	REFERENCE FINISH PLANS AND INTERIOR ELEVATIONS FOR LAYOUT & EXTENT OF INTERIOR FINISHES.						
6	REFER TO INTERIOR ELEVATIONS FOR ACCENT PAINT LOCATIONS						

COUNTERTOP LEGEND					
[CT#]	DESCRIPTION	MATERIAL	THICKNESS	BACKSPLASH HEIGHT, UNO	REMARKS
CT1	COUNTERTOP #1 W/ MATCHING BACKSPLASH	PLASTIC LAMINATE (PLAM)	1 3/4"	4", UNO	
CT2	COUNTERTOP #2 W/ MATCHING BACKSPLASH	SOLID SURFACE MATERIAL (SSM)	1 3/4"	4", UNO	SINKS BY PC, COORD.
CT3	COUNTERTOP #3 W/ MATCHING BACKSPLASH	EPOXY RESIN	1"	4", UNO	SINKS ARE INTEGRAL TO COUNTERTOP. COORDINATE W/ PC. TYP. B-S SINK = 18"x14"x10" 3"-6" B-S SINK = 30"x16"x10" B-SA SINK = 18"x15"x2"

COUNTERTOP - GENERAL NOTES:

1. REFER TO INTERIOR FINISH LEGEND FOR LOCATIONS AND CASEWORK TYPES.
2. CT = COUNTERTOPS SHALL BE PROVIDED ABOVE BASE CABINETS, SHELVES, AND PARTIAL HEIGHT WALLS WHEREVER BASE CABINETS AND SHELVES ARE SHOWN.

TAG	DESCRIPTION	OVERALL CABINET SIZE			REF: STEVEN'S ADVANTAGE MODEL NUMBER
BASE CABINETS		WIDTH	DEPTH	HEIGHT	
B1	BASE CABINET W/ SINGLE DOOR W/ 1 ADJ. SHELF	VARIABLES	24" UNO	VARIABLES	10121
B1-FP	BASE CABINET W/ SINGLE DOOR W/ FALSE PANEL AT TOP	VARIABLES	24" UNO	VARIABLES	10121, SIM.
B1-TD	BASE CABINET W/ SINGLE DOOR W/ TOP DRAWER	VARIABLES	24" UNO	VARIABLES	10121, SIM.
B2	BASE CABINET W/ DOUBLE DOORS W/ 1 ADJ. SHELF	VARIABLES	24" UNO	VARIABLES	10129
B2-FP	BASE CABINET W/ DOUBLE DOOR W/ FALSE PANEL AT TOP	VARIABLES	24" UNO	VARIABLES	10129, SIM.
B2-2D	BASE CABINET W/ DOUBLE DOOR W/ DOUBLE TOP DRAWERS	VARIABLES	24" UNO	VARIABLES	10423
B2-LD	BASE CABINET W/ DOUBLE DOORS W/ 1 ADJ. SHELF, LESS DEPTH	VARIABLES	14"	VARIABLES	10129
B3	BASE CABINET W/ 3 DRAWERS	VARIABLES	24" UNO	VARIABLES	10339
B4	OPEN SHELVES	VARIABLES	24" UNO	VARIABLES	10101
B5	COOKTOP CABINET	VARIABLES	24" UNO	VARIABLES	-
B6	BASE CABINET W/ FILE DRAWER	VARIABLES	24" UNO	VARIABLES	10329
B-S	SINK BASE	VARIABLES	24" UNO	VARIABLES	10479
B-SA	SINK BASE - ADA	VARIABLES	24" UNO	32"	10577
WALL CABINETS		WIDTH	DEPTH	HEIGHT	
W1	WALL CABINET W/ SINGLE DOOR W/ 2 ADJ. SHELF	VARIABLES	14"	30" UNO	15120
W2	WALL CABINET W/ DOUBLE DOORS W/ 2 ADJ. SHELF	VARIABLES	14"	30" UNO	15129
W2-G	WALL CABINET W/ GLASS FACED DOUBLE DOORS W/ 2 ADJ. SHELF	VARIABLES	14"	30" UNO	15136
W3	WALL ADJUSTABLE SHELVING	VARIABLES	12"	-	-
TALL CABINETS		WIDTH	DEPTH	HEIGHT	
T1	TALL CABINET W/ SINGLE DOOR, 1 FIXED SHELF & 4 ADJUSTABLE SHELVES	VARIABLES	24"	7'-2" UNO	25121
T2	TALL CABINET W/ DOUBLE DOORS, 1 FIXED SHELF & 4 ADJUSTABLE SHELVES	VARIABLES	24"	7'-2" UNO	25129
T3	TEACHER CABINET W/ DOUBLE DOORS	VARIABLES	24"	7'-2" UNO	25667
T4	OVEN CABINET	VARIABLES	24"	7'-2" UNO	-

CABINETRY - GENERAL NOTES:

1. [X#] NOTED UNDER DIMENSION STRING AT CABINENTRY DRAWN IN INTERIOR ELEVATIONS & PLAN, INDICATES CABINENTRY ABBREV. TAG: B# = BASE CAB., W# = WALL CAB., & T# = TALL CABINET.
2. FE = FINISHED END PANEL
3. FP / FILLER = FILLER PANEL

INTERIOR FINISH - LEGEND OF MATERIALS			
ABBREVIATION	MATERIAL / DESCRIPTION	MANUFACTURE / STYLE / COLOR / FINISH	REMARKS
FLOOR & BASE			
CARP-#	CARPET TILE	INTERFACE - OPEN AIR - 403 STRIA (OR SIMILAR) COLOR: (TBD) SIZE: 50CM X 50CM	WHERE INSTALLED, PROVIDE RUBBER BASE [RB-2] AT PERIMETER OF ROOM.
RB-#	RUBBER BASE	ROPPE - PINNACLE RUBBER BASE SIZE: 4 INCH HIGH COLOR: - RB-1: (TBD) - RB-2: (TBD)	
RT-#	RESILIENT TILE	ARMSTRONG - STANDARD EXCELO IMPERIAL TEXTURE SIZE: 12 INCH X 12 INCH COLORS: - RT-1: (TBD) - RT-2: (TBD) - RT-3: (TBD) - RT-4: (TBD) - RT-5: (TBD) - RT-6: (TBD)	- PROVIDE HYDRAULIC UNDERLAYMENT AT RESILIENT TILE INSTALLATIONS - VCT FLOOR PATTERN TO BE COMPOSED OF MULTIPLE COLORS. EXACT LAYOUT TO BE VERIFIED DURING SHOP DRAWING PHASE - WHERE INSTALLED, PROVIDE RUBBER BASE [RB-1] @ PERIMETER OF ROOM.
PAINT			
P-1	PAINT, TYP. (WHITE)	SHERWIN WILLIAMS SW##### XXXXXXX	ARCHITECT TO PROVIDE PAINT COLORS (UP TO 3 EACH COLOR) DURING SUBMITTAL PHASE. GC TO PROVIDE SAMPLE PAINT AREAS IN BUILDING PRIOR TO FINAL SELECTIONS.
P-2	PAINT (ACCENT - GRAY)	SW##### XXXXXXX	
P-3	PAINT (ACCENT - DARK GRAY)	SW##### XXXXXXX	
P-4	PAINT (ACCENT)	SW##### XXXXXXX	
P-5	PAINT (ACCENT)	SW##### XXXXXXX	
P-6	PAINT (ACCENT, RED)	SW##### XXXXXXX	
P-C1	PAINT @ CEILING / SOFFITS, TYP. (WHITE)	SW##### XXXXXXX	
P-C2	PAINT @ CEILING / SOFFITS (ACCENT-1)	SW##### XXXXXXX	
P-C3	PAINT @ CEILING / SOFFITS (ACCENT-2)	SW##### XXXXXXX	
P-HM	PAINT @ HOLLOW METAL	SW##### XXXXXXX	
PLASTIC LAMINATE & SOLID SURFACE MATERIAL			
CASE-1	CASEWORK TYPE #1 @ TV STUDIO	- [CT-1] COUNTERTOP: WILSONART HPL - STANDARD LAMINATE - #5013 MUSHROOM OR SIMILAR - [PLAM-1A] PLASTIC LAMINATE: AT CABINETRY, WILSONART HPL - STANDARD LAMINATE - #5013 MUSHROOM OR SIMILAR	- [PLAM-1A]: TO BE INSTALLED ON 100% OF CABINETRY
CASE-2	CASEWORK TYPE #2 @ FAM. CONSUMER SCIENCE	- [CT-2] COUNTERTOP: SOLID SURFACE MATERIAL - CORIAN - PRICE GROUP 2 - [PLAM-2A] @ CABINETRY: WILSONART HPL - PREMIUM LAMINATE - BATTLESHIP 5014K-19 OR SIMILAR - [PLAM-2B]: WILSONART HPL - STANDARD LAMINATE #13099-60 ASTER OR SIMILAR - [PLAM-2C]: TBD, SIM. TO PLAM-2B - [PLAM-2D]: TBD, SIM. TO PLAM-2B - [PLAM-2E]: TBD, SIM. TO PLAM-2B	- [PLAM-2A]: TO BE INSTALLED ON 80% OF CABINETRY - [PLAM-2B]: 5% OF CAB. - [PLAM-2C]: 5% OF CAB. - [PLAM-2D]: 5% OF CAB. - [PLAM-2E]: 5% OF CAB.
CASE-3	CASEWORK TYPE #3 @ SCIENCE CLASSROOM	- [CT-3] COUNTERTOP: EPOXY RESIN, COLOR: BLACK - [PLAM-3A] @ CABINETRY: WILSONART HPL - PREMIUM LAMINATE - BATTLESHIP 5014K-19 OR SIMILAR - [PLAM-3B]: WILSONART HPL - STANDARD LAMINATE #13095-60 OR SIMILAR - [PLAM-3C]: TBD, SIM. TO PLAM-3B	- [PLAM-3A]: TO BE INSTALLED ON 60% OF CABINETRY - [PLAM-3B]: 20% OF CAB. - [PLAM-3C]: 20% OF CAB.
CEILING			
APC-1A	ACOUSTICAL PANEL CEILING SYSTEM #1A	USG RADAR HIGH NRC/HIGH CAC #22441 SIZE: 24 INCH X 48 INCH X 7/8 INCH NRC: 0.70 / CAC: 40 PANEL COLOR: WHITE / EDGE: SQUARE GRID: 15/16 INCH - WHITE	(PRODUCT MATCHES RECENT HIGH SCHOOL CORRIDOR CEILING UPGRADES)
APC-1B	ACOUSTICAL PANEL CEILING SYSTEM #1B	USG RADAR HIGH NRC/HIGH CAC SIZE: 24 INCH X 24 INCH X 7/8 INCH NRC: 0.70 / CAC: 40 PANEL COLOR: WHITE / EDGE: SQUARE GRID: 15/16 INCH - WHITE	HIGH CAC FOR BLOCKING SOUND TRANSFER FROM ADJACENT CAFETERIA
APC-K	ACOUSTICAL PANEL CEILING SYSTEM - KITCHEN	USG MARS HEALTHCARE HIGH-NRC PANELS #88256 SIZE: 24 INCH X 48 INCH X 7/8 INCH NRC: 0.85 / CAC: 35 PANEL COLOR: WHITE / EDGE: SQUARE GRID: 15/16 INCH - WHITE	ACCEPTABLE FOR KITCHEN AND FOOD-PREP AREAS, CLEAN ROOM TESTED, HIGH NRC/CAC
FLOORING TRANSITIONS			
VCT FLOORING > EXIST. VCT FLOORING		GRIND / PATCH SUBFLOOR TO ALIGN TOP OF ADJACENT FINISHES. PROVIDE ARDEX FEATHER FINISH UNDERLAYMENT OR EQUAL, AS REQUIRED.	
CARPET TILE > EXIST. VCT FLOORING		BASIS OF DESIGN: ROPPE #168 - UNDERSLUNG REDUCER	
MISCELLANEOUS:			
DG-WC1	DIGITAL GRAPHIC WALL COVERING #1	LEVEL DIGITAL WALLCOVERINGS MATERIAL: TEXTURED CARTA IMAGE: (TBD)	
DG-WC2	DIGITAL GRAPHIC WALL COVERING #2	LEVEL DIGITAL WALLCOVERINGS MATERIAL: TEXTURED CARTA IMAGE: (TBD)	
DG-WC3	WALL/ WINDOW COVERING #3	3M OPAQUE WINDOW FILM	
-	RIGID VINYL WALL PROTECTION CORNER GUARD	BASIS OF DESIGN: INPRO - SURFACE MOUNTED - 1 1/2" LEGS, CUSTOMIZE HEIGHT TO COORD W/ MILLWORK & BASE CONDITION.	PROVIDE AT ALL 'OUTSIDE' EXPOSED CORNERS OF PLASTIC LAMINATE CABINETRY
AWP	ACOUSTICAL WALL PANELS	MBI COLORSONIX - ACOUSTICAL WALL PANELS - FABRIC EDGE WRAPPED THICKNESS: 2" SIZE: VARIES, REFER TO DRAWINGS FABRIC: GUILFORD OF MAINE (STANDARD)	
(ETR)	= EXISTING TO REMAIN		
(TBD)	= TO BE DETERMINED		
"APC"	= "APC" (ACOUSTICAL PANEL CEILING) MAY ALSO BE REFERRED TO AS "ACT".		

STAMP

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ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025

308 NORTH OLIVE STREET, MEDIA, PA 19063

REVISIONS	

DRAWN BY	AK/SK
REVIEWED	EN
JOB #	2627

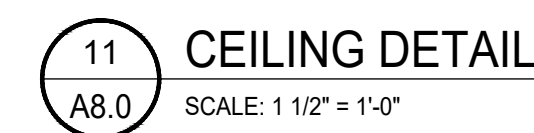
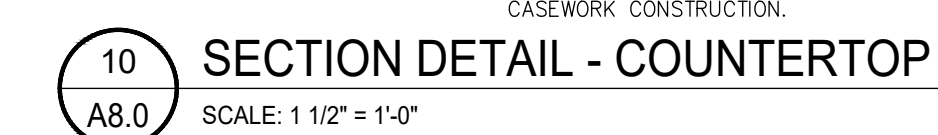
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FINISH AND CASEWORK LEGENDS

SHEET #

A7.0

SCALE	AS NOTED
DATE	03-28-2025



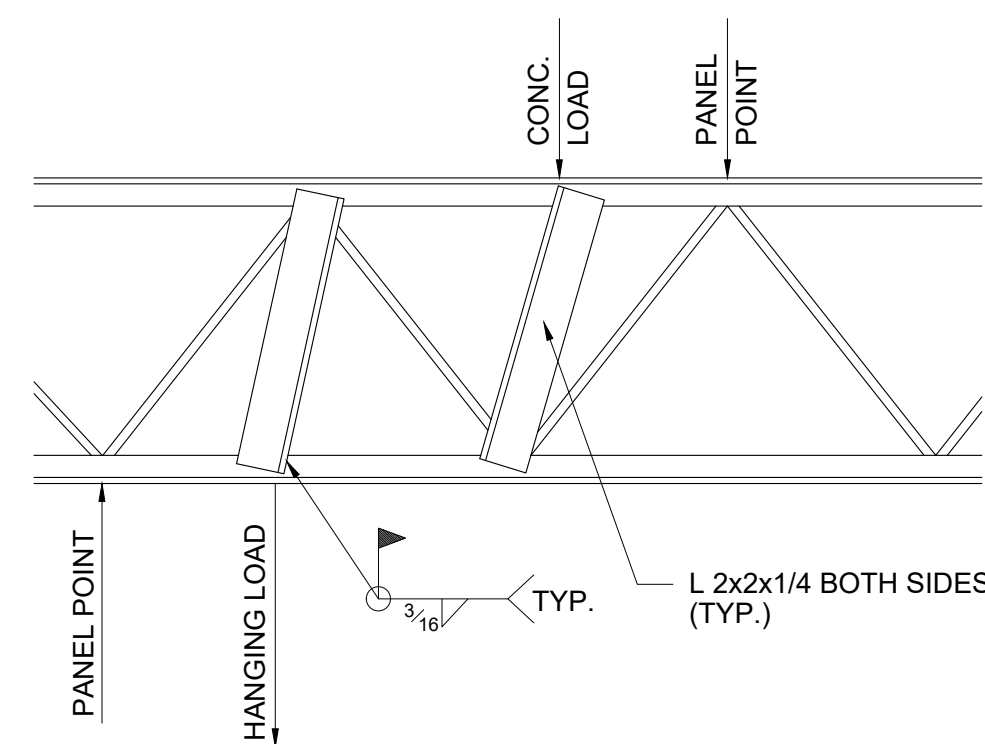
ROOF LIVE LOAD = 30 PSF
ROOF NET UPLIFT = 10 PSF
GROUND SNOW LOAD, P_g = 25 PSF
FLAT ROOF SNOW LOAD P_f = 20 PSF
SNOW LOAD IMPORTANCE FACTOR I_s = 1.1
THERMAL FACTOR C_t = 1.0

BASIC WIND SPEED = 115 MPH (ULTIMATE)
IMPORTANCE FACTOR = 1.0
WIND EXPOSURE = C
INTERNAL PRESSURE COEFFICIENT, GC_{pi} = + 0.18
COMPONENT AND CLADDING DESIGN (WALLS): PER ASCE 7
COMPONENT AND CLADDING DESIGN (ROOF): PER ASCE 7
(POSITIVE AND NEGATIVE PRESSURES FOR WALLS AND ROOF)

1. STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE AND THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AISI (LATEST EDITION) PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
2. AISC (LATEST EDITION) MATERIALS SHALL BE AS FOLLOWS:

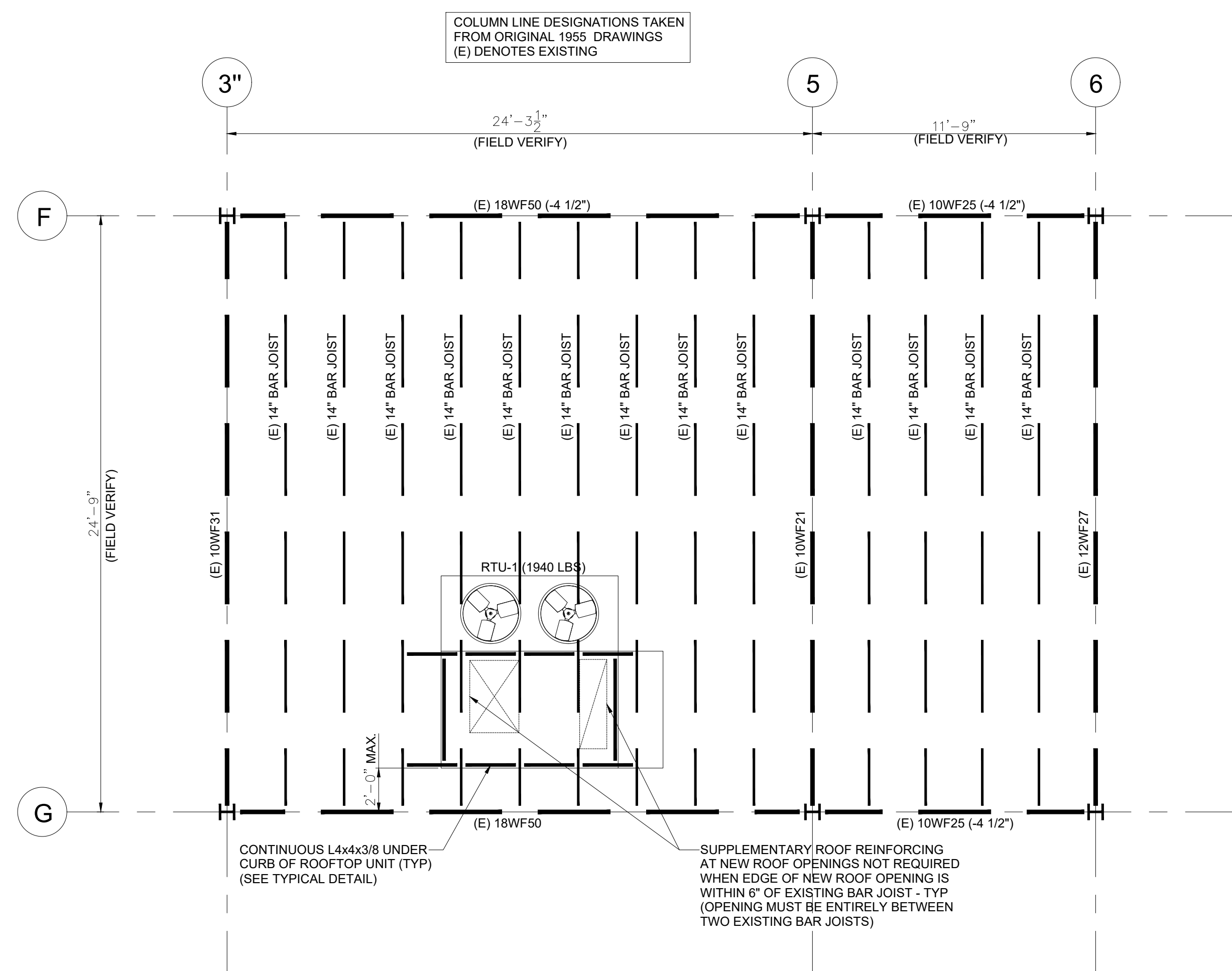
STRUCTURAL WIDE FLANGE SHAPES	ASTM A502
STRUCTURAL TUBE	ASTM A500 GRADE B, Fy = 46 KSI MIN.
STRUCTURAL PIPE	ASTM A53 TYPE E OR S, GRADE B, Fy = 35 KSI.
OTHER STRUCTURAL SHAPES	ASTM A
ANCHOR RODS	ASTM A36 OR ASTM A154 GRADE 36 (AS INDICATED).
BOLT	DIAMETER ASTM A325 (UNF) OR NOTED OTHERWISE.
3. ALL STEEL PROTECTED FROM THE WEATHER SHALL HAVE SHOP APPLIED RUST INHIBITIVE PAINT 2 MILS THICK MIN. ALL STEEL ON EXTERIOR OF BUILDING OR EXPOSED TO THE WEATHER SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123/A, ASTM A153, AND ASTM A334. WHERE GALVANIZING IS DAMAGED IT SHALL BE REPAIRED AND REPAINTED IN ACCORDANCE WITH ASTM A780. STEEL SHALL BE THOROUGHLY CLEANED AND PREPARED FOR PAINTING OR GALVANIZING IN ACCORDANCE WITH SECTION 3.03. ALL STEEL SHALL BE PROTECTED BY THE SOCIETY OF STEEL COATINGS, DRY FILM THICKNESS, PAINT ON STEEL TO RECEIVE GALVANIZING, FIREPROOFING, CONCRETE ENCASEMENT, AND AT FIELD WELDS.
4. ORIENT ALL MILL CAMBER UPWARD DURING FABRICATION AND ERECTION.
5. WELDING SHALL CONFORM TO 'STRUCTURAL WELDING CODE' - AWS D1.1-04, AS PUBLISHED BY THE AMERICAN WELDING SOCIETY. SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED AS REQUIRED IN AMERICAN WELDING SOCIETY'S 'STANDARD QUALIFICATION PROCEDURE FOR WELDERS' (AWS D1.1) TO PERFORM THE TYPE OF WORK REQUIRED. WELDERS WRITTEN CERTIFICATIONS SHALL BE KEPT ONSITE AND MADE AVAILABLE UPON REQUEST.
6. STEEL WELDING RODS SHALL BE AWS E70XX.
7. ALL ALUMINUM AND STEEL MEMBERS SHALL BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.
8. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW PRIOR TO FABRICATING. THERE SHALL BE AN ALLOWANCE OF AT LEAST TWO WEEKS FOR SHOP DRAWING REVIEW BY THE STRUCTURAL ENGINEER.
9. CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE STEEL FABRICATOR. CONNECTIONS SHALL BE FULL PENETRATION WELDED. CONNECTIONS FOR WF BEAM AND WF COLUMNS: CONNECTIONS TO STEEL TUBE AND PIPE COLUMNS SHALL BE FULL DEPTH 3/8" KNIFE PLATES FOR SECONDARY BEAMS AND 1/2" KNIFE PLATES FOR GIRDER.
10. THE STRUCTURAL STEEL ERECTOR IS RESPONSIBLE FOR THE DESIGN, ERECTIONS AND MAINTENANCE OF ALL TEMPORARY BRACING TO MAINTAIN STABILITY OF THE STEEL FRAME UNTIL ALL STRUCTURAL STEEL, BAR JOISTS AND STEEL DECK AND SHEAR WALLS ARE INSTALLED. TEMPORARY DESIGN SHALL BE SUBMITTED FOR REVIEW. TEMPORARY STEEL FRAMING IS UNSTABLE UNTIL ALL FRAMING COMPONENTS INCLUDING SHEAR WALLS HAVE BEEN ERECTED AND FASTENED.
11. THE STRUCTURAL STEEL FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR COMPLETING THEIR WORK IN ACCORDANCE WITH REQUIRED OSHA STANDARDS AND GUIDELINES.
12. ALL CONNECTIONS SHALL BE SUBMITTED FOR PRE-CONSTRUCTION APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. REQUESTS FOR APPROVAL OF ALTERNATE CONNECTION DETAILS SHALL BE SUBMITTED FOR REVIEW PRIOR TO SHOP DRAWING PREPARATION.
13. ALL STRUCTURAL STEEL SHALL BE INSPECTED IN ACCORDANCE WITH THE SECTION 1705.2 OF THE 2018 INTERNATIONAL BUILDING CODE AND THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGAGING THE QUALITY CONTROL INSPECTOR. THE INSPECTOR SHALL BE NOTIFIED 48 HOURS BEFORE ANY INSPECTION. WRITTEN INSPECTION REPORTS SHALL BE FORWARDED TO THE ARCHITECT AND STRUCTURAL ENGINEER WITHIN 48 HOURS OF INSPECTION.
14. LOCATIONS AND DIMENSIONS RELATED TO STRUCTURAL STEEL THAT IS USED TO SUPPORT EQUIPMENT OR FRAME OPENINGS IN THE EQUIPMENT AND/OR USING THE OPENINGS.

1. ALL WORK SHALL BE IN ACCORDANCE WITH 2018 IRC.
2. ALL STEEL SHAPES SHALL BE ASTM A36.
3. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR DIRECTION BEFORE PROCEEDING.
4. STRUCTURAL STEEL DIMENSIONS SHALL BE BASED ON APPROVED MECHANICAL UNITS AND VERIFIED WITH MANUFACTURER OF UNIT.
5. STRUCTURAL STEEL SHALL BE DESIGNED TO THE WEIGHT INDICATED. SUBSTITUTIONS OF HEAVIER UNITS REQUIRE REVIEW BY STRUCTURAL ENGINEER BEFORE PROCEEDING. HVAC CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL COST OF STRUCTURE FOR SUBSTITUTIONS.
6. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY STRUCTURAL ENGINEER PRIOR TO FABRICATION.
7. ALL WELDING SHALL BE BY AWS CERTIFIED WELDERS USING E70XX
8. SEE HVAC DRAWINGS FOR LOCATIONS OF UNITS AND VERIFY ACTUAL LOCATIONS WITH HVAC CONTRACTOR
9. SEE TYPICAL DETAIL AT ROOFTOP EQUIPMENT AND OPENINGS IN ROOF FLOOR FOR ADDITIONAL INFORMATION
10. ROOFTOP UNIT LOCATIONS SHOWN ARE SCHEMATIC AND GENERIC. SEE HVAC DRAWINGS FOR ACTUAL LOCATIONS.

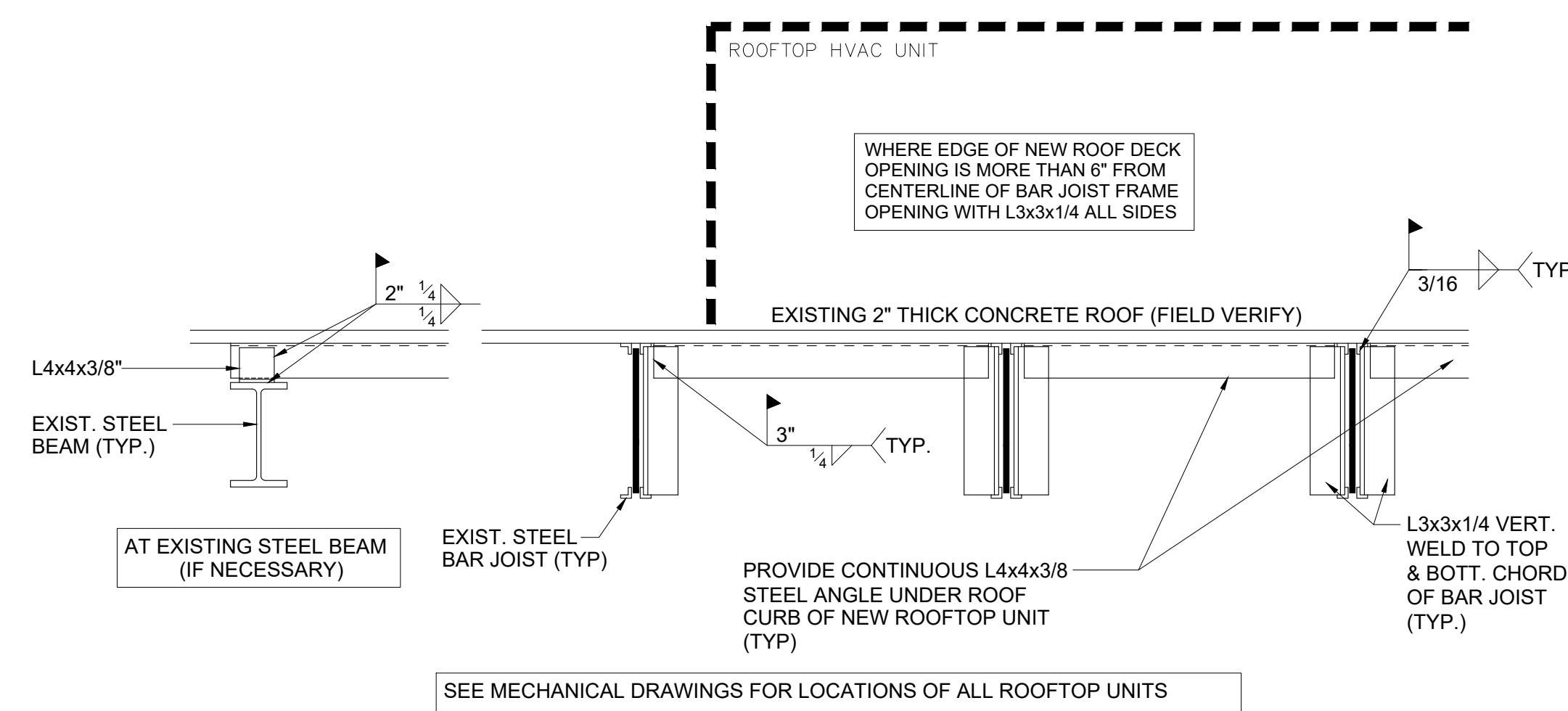


REINFORCED BAR JOISTS WHEN A CONCENTRATED LOAD OF MORE THAN 100 LBS IS PLACED BETWEEN PANEL POINTS AND WHERE ANGLES UNDER CURBS OF RTU SUPPORTED BY BAR JOIST

NOT-TO-SCALE



NOT-TO-SCALE



NOT-TO-SCALE

REVISIONS	
DRAWN BY	
REVIEWED	
JOB #	
SHEET TITLE	

PARTIAL ROOF FRAMING PLAN AND TYPICAL DETAILS

SHEET #

S-1.0

SCALE	AS NOTED
DATE	03-28-2025

ISSUED FOR BID 3/28/2025

GTA, INC.
CONSULTING ENGINEERS
5910 Easton Road
Pipersville, PA 18947

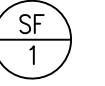

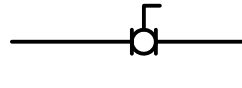
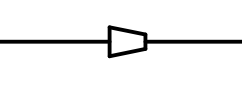


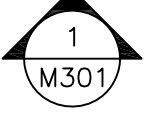
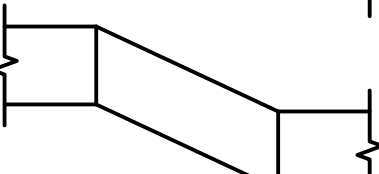
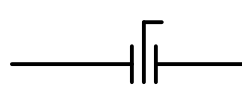
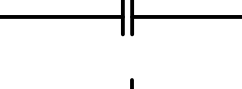
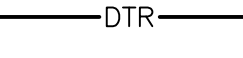


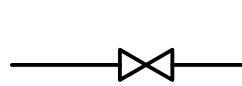
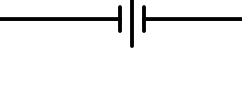

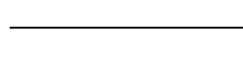
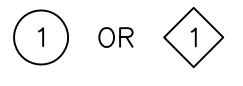
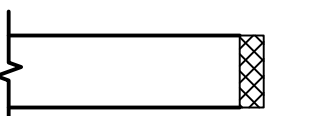
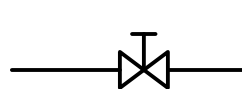



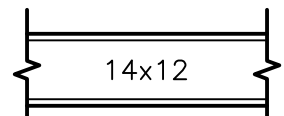
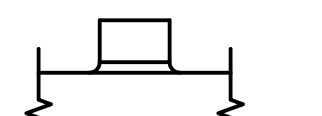
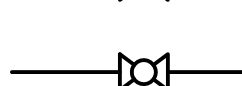

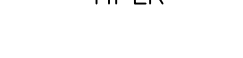
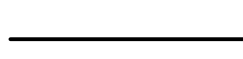
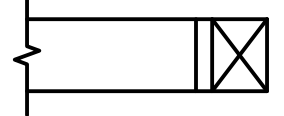
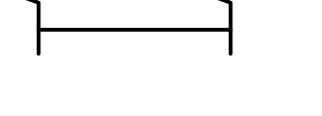
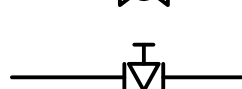


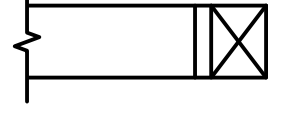
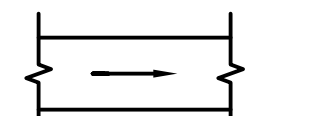



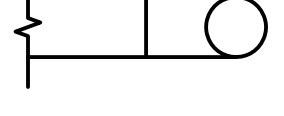
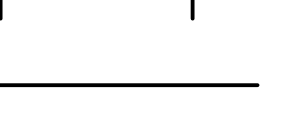

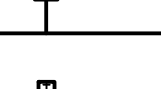


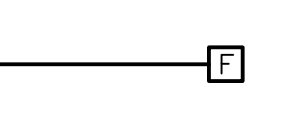
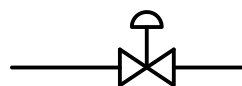
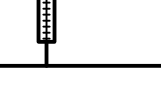
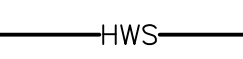
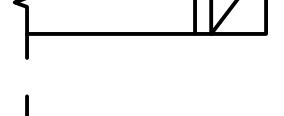
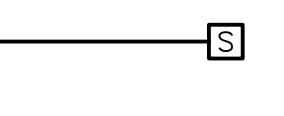

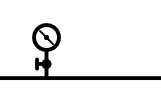

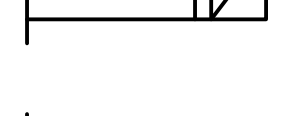
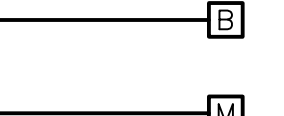


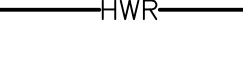
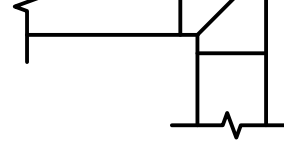
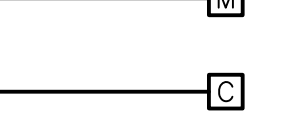
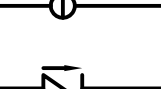
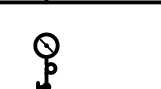

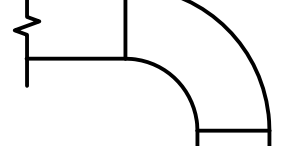
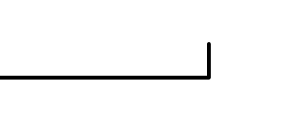

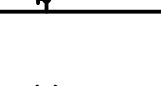

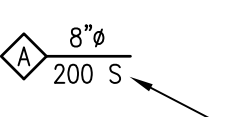
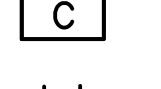

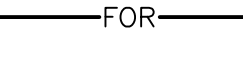

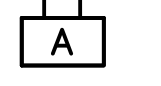
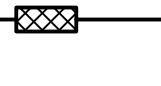



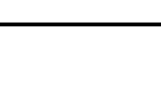
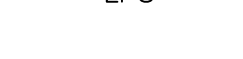


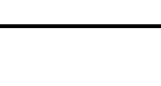

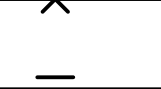
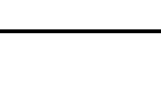


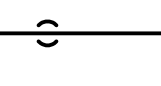
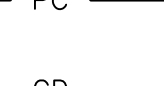
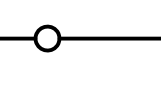
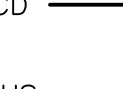
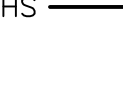
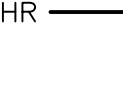
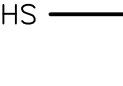
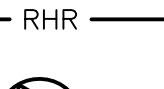
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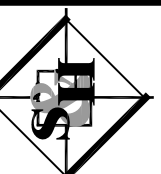
ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025

3308 NORTH OLIVE STREET, MEDIA, PA 19063

ABBREVIATIONS				GENERAL NOTES				GENERAL DEMOLITION NOTES			
(A)	ABANDON	DTR	DUAL TEMPERATURE WATER RETURN	IN	INCHES	RHS	REHEAT WATER SUPPLY	1.	ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO DEMOLITION.		
AAV	AUTOMATIC AIR VENT	DTS	DUAL TEMPERATURE WATER SUPPLY	INCL	INCLUD(E), (ING)	RL	REFRIGERANT LIQUID	2.	PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.		
AC	AIR CONDITIONER	DWG	DRAWING	INSL	INSULAT(E), (ED), (ION)	RP	RADIANT PANEL	3.	DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.		
ABS	ABSOLUTE	(E)	EXISTING	INT	INTERIOR	RPM	REVOLUTIONS PER MINUTE	4.	ALL DRAWINGS ARE DIAGRAMMATIC. MECHANICAL CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.		
ABV	ABOVE	EA	EXHAUST AIR	I/O	INPUT/OUTPUT	RS	REFRIGERANT SUCTION	5.	CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF DUCTWORK AND PIPING AT NO ADDITIONAL COST.		
AD	ACCESS DOOR	EAT	ENTERING AIR TEMPERATURE	IPS	INTERNATIONAL PIPE STANDARD	RTU	ROOFTOP UNIT	6.	ALL FLOOR MOUNTED HVAC EQUIPMENT SHALL BE INSTALLED ON 4" HIGH CONCRETE HOUSEKEEPING PADS PROVIDED BY THE MECHANICAL CONTRACTOR.		
AFF	ABOVE FINISHED FLOOR	EBH	ELECTRIC BASEBOARD HEATER	KW	KILOWATT	RV	RELIEF VALVE	7.	MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING COORDINATION DRAWINGS SHOWING ALL TRADES, NO EQUIPMENT, PIPING, DUCTWORK, ETC. IS TO BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.		
AFS	AIR FLOW STATION	EC	ELECTRICAL CONTRACTOR	L	LOUVER OR LENGTH	SA	SUPPLY AIR	8.	ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.		
AHU	AIR HANDLING UNIT	EER	ENERGY EFFICIENCY RATIO	LAT	LEAVING AIR TEMP	SD	SUPPLY DIFFUSER	9.	SCHEDULES DO NOT REPRESENT EQUIPMENT QUANTITIES. REFER TO THE PLANS FOR ACTUAL QUANTITIES.		
AI	ANALOG INPUT	EF	EXHAUST FAN	LB	POUND	SEC	SECONDS	10.	DUCT SIZES SHOWN ON DRAWINGS REFER TO INSIDE CLEAR DIMENSIONS UNLESS OTHERWISE NOTED.		
AO	ANALOG OUTPUT	EG	EXHAUST AIR GRILLE	LD	LINEAR DIFFUSER	SF	SUPPLY FAN	11.	ALL BRANCH DUCTS TO SUPPLY/RETURN/EXHAUST REGISTERS AND DIFFUSERS SHALL BE 2" LARGER (WIDER) THAN REGISTER/DIFFUSER NECK SIZE, UNLESS NOTED OTHERWISE.		
AP	ACCESS PANEL	EHC	ELECTRIC HEATING COIL	LF	LINEAR FEET	SG	SUPPLY GRILLE	12.	MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCTWORK TO EQUIPMENT CONNECTIONS.		
APD	AIR PRESSURE DROP	ELEC	ELECTRICAL	LPG	LIQUEFIED PETROLEUM GAS	SP	STATIC PRESSURE	13.	PROVIDE SUPPLY, RETURN AND EXHAUST DUCTWORK TRANSITIONS AS REQUIRED BY THE PLANS, SPECIFICATIONS, AND ACTUAL JOB CONDITIONS.		
ATC	AUTOMATIC TEMPERATURE CONTROL	ELEV	ELEVATION	LPR	LOW PRESSURE STEAM CONDENSATE RETURN	SQ	SQUARE	14.	COORDINATE ALL THERMOSTAT/TEMPERATURE SENSOR LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.		
ATM	ATMOSPHERE	ENT	ENTERING	LPS	LOW PRESSURE STEAM	SR	SUPPLY REGISTER	15.	COORDINATE ALL HUMIDISTAT/HUMIDITY SENSOR LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.		
AS	AIR SEPARATOR	EQUIP	EQUIPMENT	LVG	LEAVING	ST	SOUND TRAP	16.	MECHANICAL CONTRACTOR SHALL PROVIDE "UL" LISTED FIRE DAMPERS FOR ALL DUCTWORK PENETRATIONS THROUGH FIRE RATED SURFACES AND "UL" LISTED FIRE/SMOKE DAMPERS FOR ALL DUCTWORK PENETRATIONS THROUGH FIRE/SMOKE RATED SURFACES.		
AVG	AVERAGE	ER	EXHAUST REGISTER	LVR	LOUVER	STC	STEAM CONDENSATE	17.	MECHANICAL CONTRACTOR SHALL PROVIDE "UL" LISTED THROUGH PENETRATION FIRESTOP SYSTEMS WITH FIREPROOF SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.		
AWT	AVERAGE WATER TEMPERATURE	ERU	ENERGY RECOVERY UNIT	LWT	LEAVING WATER TEMP	STM	STEAM	18.	INDICATED DUCT AND PIPING ARE DIAGRAMMATIC. MECHANICAL CONTRACTOR SHALL DETERMINE ALL REQUIRED OFFSETS AND DIRECTION CHANGES BEFORE FABRICATION AND INSTALLATION TO AVOID INTERFERENCE WITH OTHER TRADES.		
BCU	BLOWER COIL UNIT	ESP	EXTERNAL STATIC PRESSURE	MAU	MAKEUP AIR UNIT	TDH	TOTAL DYNAMIC HEAD	19.	UNLESS OTHERWISE NOTED, ALL DUCTWORK AND PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB/STEEL, WITH SPACE FOR INSULATION.		
BDD	BACK DRAFT DAMPER	ET	EXPANSION TANK	MAV	MANUAL AIR VENT	TDV	TRIPLE DUTY VALVE	20.	MANUFACTURERS AND MODEL NUMBERS INDICATED ON THE PLANS, SCHEDULES AND SKETCHES ARE PROVIDED AS A BASIS OF DESIGN ONLY. BIDDERS SHALL REFER TO THE SPECIFICATIONS FOR A LISTING OF MULTIPLE ACCEPTABLE MANUFACTURERS FOR EACH OF THESE ITEMS. SIMILAR PRODUCTS FROM ANY OF THESE MANUFACTURERS MAY BE FURNISHED PROVIDED THEY MEET THE INTENT OF THE SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRED AS A RESULT OF A SUBSTITUTION ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.		
BFP	BACKFLOW PREVENTER	EWB	ELECTRIC WALL HEATER	MAX	MAXIMUM	TG	TRANSFER GRILLE	21.	PROVIDE P-TRAP OF SUFFICIENT SEAL DEPTH TO OVERCOME UNIT STATIC PRESSURE ON ALL AIR HANDLING UNITS.		
BI	BINARY INPUT	EWT	ENTERING WATER TEMPERATURE	MBH	1,000 BTUH	TSP	TOTAL STATIC PRESSURE	22.	REFER TO ELECTRICAL DRAWINGS FOR SMOKE DETECTOR LOCATIONS.		
BLR	BOILER	EXP	EXPANSION	MC	MECHANICAL CONTRACTOR	TYP	TYPICAL				
BLW	BELOW	F	FAHRENHEIT	MECH	MECHANICAL	UC	UNDER CUT				
BNR	BURNER	FA	FACE AREA	MIN	MINIMUM	UH	UNIT HEATER				
BO	BINARY OUTPUT	FBD	FACE & BYPASS DAMPER	MISC	MISCELLANEOUS	UNO	UNLESS NOTED OTHERWISE				
BOD	BOTTOM OF DUCT	F&T	FLOAT & THERMOSTATIC	(N)	NEW	UV	UNIT VENTILATOR				
BOP	BOTTOM OF PIPE	FC	FLEXIBLE CONNECTION	NC	NOISE CRITERIA	VA	VOLT AMPERE				
BTU	BRITISH THERMAL UNIT	FCU	FAN COIL UNIT	NK	NECK	VAV	VARIABLE AIR VOLUME				
BTUH	BTU PER HOUR	FD	FIRE DAMPER	NTS	NOT TO SCALE	VB	VACUUM BREAKER				
BYP	BYPASS	FF	FINAL FILTER	OA	OUTSIDE AIR	VD	VOLUME DAMPER				
C	CONVECTOR	FIN	FINISH	OAI	OUTSIDE AIR INTAKE	VEL	VELOCITY				
CAP	CAPACITY	FLR	FLOOR	OAT	OUTSIDE AIR TEMPERATURE	VFD	VARIABLE FREQUENCY DRIVE				
CAV	CONSTANT AIR VOLUME	FO	FUEL OIL	OD	OUTSIDE DIMENSIONS OR OUTSIDE DIAMETER	VP	VELOCITY PRESSURE				
CC	COOLING COIL OR CEILING CASSETTE	FOP	FUEL OIL PUMP	OED	OPEN END DUCT	W	WIDTH				
CD	CONDENSATE DRAIN	FOR	FUEL OIL RETURN	OS&Y	OUTSIDE SCREW & YOKE	W/	WITH				
CFM	CUBIC FEET PER MINUTE	FOS	FUEL OIL SUPPLY	P	PUMP	WB	WET BULB				
CH	CHILLER	FOV	FUEL OIL VENT	PD	PRESSURE DROP	W/O	WITHOUT				
CHWP	CHILLED WATER PUMP	FTR	FINNED TUBE RADIATION	PF	PRE FILTER	WC	WATER COLUMN				
CHWR	CHILLED WATER RETURN	G	NATURAL GAS	PH	PHASE	WH	WATER HEATER				
CHWS	CHILLED WATER SUPPLY	GAL	GALLON	PHC	PREHEAT COIL	WMS	WIRE MESH SCREEN				
CKT	CIRCUIT	GC	GENERAL CONTRACTOR	PHR	PREHEAT WATER RETURN	WT	WEIGHT				
CLG	CEILING	GPH	GALLONS PER HOUR	PHS	PREHEAT WATER SUPPLY						
CONT	CONTINUATION	GPM	GALLONS PER MINUTE	PLMB	PLUMBING						
COP	COEFFICIENT OF PERFORMANCE	GRV	GRAVITY RELIEF VENTILATOR	PPM	PARTS PER MILLION						
CP	CONDENSATE PUMP	H	HUMIDIFIER	PRV	PRESSURE REDUCING VALVE						
CRP	CONDENSATE RETURN PUMP	HC	HEATING COIL	PSI	POUNDS PER SQUARE INCH						
CT	COOLING TOWER	HOA	HAND OFF AUTO	PSIA	POUNDS PER SQUARE INCH ABSOLUTE						
CU	CONDENSING UNIT	HORIZ	HORIZONTAL	PSIG	POUNDS PER SQUARE INCH GAUGE						
CUH	CABINET UNIT HEATER	HP	HEAT PUMP OR HORSEPOWER	PTAC	PACKAGED TERMINAL AIR CONDITIONER						
CW	COLD WATER (DOMESTIC)	HPLR	HEAT PUMP WATER LOOP RETURN	PUH	PROPELLER UNIT HEATER						
CWP	CONDENSER WATER PUMP	HPLS	HEAT PUMP WATER LOOP SUPPLY	PVC	POLYVINYL CHLORIDE						
CWR	CONDENSER WATER RETURN	HR	HOUR	QTY	QUANTITY						
CWS	CONDENSER WATER SUPPLY	HT	HEIGHT	(R)	REMOVE						
DB	DRY BULB TEMPERATURE	HW	HOT WATER	RA	RETURN AIR						
DDC	DIRECT DIGITAL CONTROL	HWP	HOT WATER PUMP	RAG	RELIEF AIR GRILLE						
DEG	DEGREE	HWR	HEATING HOT WATER RETURN	RAV	RELIEF AIR VENT						
DIA	DIAMETER	HWS	HEATING HOT WATER SUPPLY	(REL)	RELOCATE						
DN	DOWN	HZ	HERTZ	RF	RETURN FAN						
DOAS	DEDICATED OUTSIDE AIR SYSTEM	ID	INSIDE DIMENSIONS OR INSIDE DIAMETER	RG	RETURN GRILLE						
DS	DUCT SILENCER	IL	INTERNALLY LINED	RH	RELATIVE HUMIDITY						

SYMBOL LEGEND											
	EQUIPMENT MARKER (TYPE SF, NUMBER 1)		OEGEE OFFSET		BALL VALVE		PIPE REDUCER		DUAL TEMPERATURE SUPPLY PIPE		DENOTES CONNECT TO EXISTING
	SECTION INDICATOR (SECTION 1 ON DWG M301)		MITRE OFFSET		LOCKSHIELD BALL VALVE		PIPE FLANGE		DUAL TEMPERATURE RETURN PIPE		DENOTES LIMIT OF DEMOLITION
	DETAIL INDICATOR (DETAIL 1 ON DWG M501)				BUTTERFLY VALVE		PIPE UNION		HEAT PUMP LOOP SUPPLY PIPE		EXISTING WORK TO REMAIN
	KEY NOTE INDICATOR (REFERS TO NOTES ON SAME SHEET)		FLEXIBLE DUCT CONNECTION		GATE VALVE		Y-TYPE STRAINER		HEAT PUMP LOOP RETURN PIPE		WORK TO BE REMOVED
	INSIDE DUCT DIMENSIONS (IN INCHES, FIRST DIM AS VIEWED) DASHED LINED INDICATES INTERNAL LINING		BELLMOUTH TAKE-OFF		OS&Y GATE VALVE		FUNNEL DRAIN		HIGH PRESSURE STEAM SUPPLY PIPE		NEW WORK
	RECTANGULAR SUPPLY DUCT TURNED UP		DUCT TO OFFSET UP IN DIRECTION OF ARROW TO AVOID OBSTRUCTION		GLOBE VALVE		RELIEF VALVE		HIGH PRESSURE STEAM RETURN PIPE		
	RECTANGULAR SUPPLY DUCT TURNED DOWN		FLEXIBLE DUCT		PLUG VALVE		AIR VENT		HOT WATER SUPPLY PIPE		
	ROUND DUCT TURNED UP		FIRE DAMPER		3-WAY CONTROL VALVE		THERMOMETER IN THERMOWELL		HOT WATER RETURN PIPE		
	ROUND DUCT TURNED DOWN		SMOKE DAMPER		2-WAY CONTROL VALVE		PRESSURE GAUGE W/SHUTOFF COCK		FUEL OIL SUPPLY PIPE		
	RECTANGULAR RETURN/EXHAUST DUCT TURNED UP		BACKDRAFT DAMPER		PRESSURE REDUCING VALVE		PRESSURE GAUGE W/SNUBBER AND SHUTOFF COCK		FUEL OIL RETURN PIPE		
	RECTANGULAR RETURN/EXHAUST DUCT TURNED DOWN		MOTORIZED ATC DAMPER		GAS PRESSURE REGULATOR		PRESSURE GAUGE W/SYPHON AND SHUTOFF COCK		LOW PRESSURE STEAM SUPPLY PIPE		
	SQUARE ELBOW WITH TURNING VANE		COMBINATION FIRE/SMOKE DAMPER		CHECK VALVE		TEMPERATURE AND PRESSURE PORT		LOW PRESSURE STEAM RETURN PIPE		
	ROUND ELBOW OR RADIUS ELBOW		MANUAL VOLUME DAMPER		PIPE ANCHOR		FLEXIBLE PIPE CONNECTION		PUMPED STEAM CONDENSATE		
			GRILLE, REGISTER, DIFFUSER (GRD) MARKER (TAG A, 8"Ø NECK, 200 CFM) S=SUPPLY R=RETURN E=EXHAUST T=TRANSFER		PIPE GUIDE		PIPE CAP		COOLING COIL CONDENSATE DRAIN		
			SUPPLY AIR DIFFUSER (BLACK TRIANGLE INDICATES BLANK-OFF)		PIPE EXPANSION JOINT/EXPANSION COMPENSATOR		PIPE TURNED DOWN		PREHEAT SUPPLY PIPE		
			SUPPLY AIR DIFFUSER W/RIGID ELBOW AT NECK		PITOT DEVICE		TEE TURNED UP		PREHEAT RETURN PIPE		
			RETURN/EXHAUST GRILLE OR REGISTER				CHILLED WATER SUPPLY PIPE		REHEAT SUPPLY PIPE		
							CHILLED WATER RETURN PIPE		REHEAT RETURN PIPE		
							CONDENSER WATER SUPPLY PIPE		PUMP		
							CONDENSER WATER RETURN PIPE		THERMOSTAT/TEMPERATURE SENSOR		
									HUMIDITY SENSOR		
									STATIC PRESSURE SENSOR		
									CARBON DIOXIDE SENSOR		
									DOOR TO BE UNDERCUT 3/4"		


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CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET, MEDIA, PA 19063

REVISIONS

DRAWN BY: _____
REVIEWED BY: _____
JOB #: 2544
SHEET TITLE

MECHANICAL
COVER SHEET

SHEET #

M0.1

SCALE: AS NOTED
DATE: 3-28-2025

1. REFER TO DRAWING MO.1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. WHERE DEMOLITION OF MECHANICAL WORK HAS OCCURRED AND LEFT A VOID IN EXISTING CONSTRUCTION THAT WILL NOT BE REUSED; VOIDS IN FLOOR, WALL, OR ROOF ASSEMBLIES SHALL BE PATCHED AND FINISHED TO MATCH EXISTING. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

- 1 REMOVE UNIT VENTILATOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO SUPPLY & RETURN PIPING, INTEGRATED SHELVING, OA LOUVER & DUCT, SLEEVE, INSULATION, HANGERS, SUPPORTS, WIRING AND CONTROLS.
- 2 REMOVE FINNED TUBE RADIATION IN ITS ENTIRETY, INCLUDED BUT NOT LIMITED TO ALL ASSOCIATED PIPING, CONTROLS, HANGERS AND SUPPORTS.
- 3 REMOVE TERMINAL UNIT IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED DUCTWORK, PIPING, VALVES, HANGERS, SUPPORTS, CONTROLS, AND WIRING.
- 4 EXISTING FUME HOOD TO BE RELOCATED AS SHOWN ON M1.2, REMOVE EXHAUST DUCTWORK AS SHOWN.
- 5 REMOVE ROOFTOP EXHAUST FAN IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO, DUCTWORK, GRILLES, HANGERS, SUPPORTS, CONTROLS AND WIRING. CAP OPENING WITH INSULATED METAL PLATE WEATHERTIGHT AND PAINT IN COLOR AS SELECTED BY ARCHITECT.



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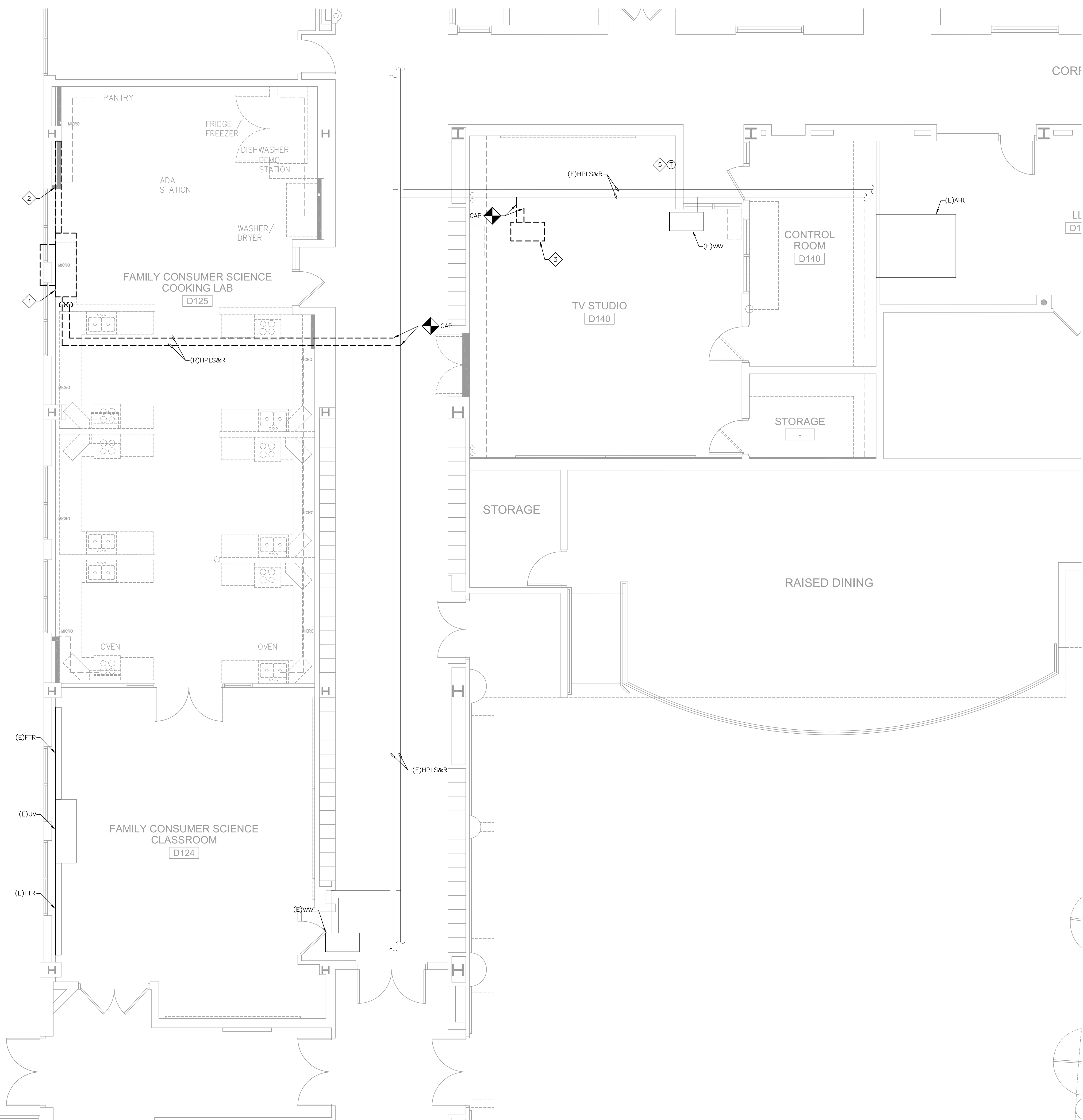
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MECHANICAL
DUCTWORK
DEMOLITION
PARTIAL
FLOOR PLAN

SHEET # _____

DM1.2

SCALE	AS NOTED
DATE	3-28-2025



STAMP

CONSULTANTS



308 NORTH OLIVE STREET. MEDIA. PA 19063

REVISIONS	
DRAWN BY	
REVIEWED BY	
JOB #	2544
SHEET TITLE	

SHEET #

SCALE	AS NOTED
DATE	3-28-2025

1. REFER TO DRAWING M0.1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. WHERE DEMOLITION OF MECHANICAL WORK HAS OCCURRED AND LEFT A VOID IN EXISTING CONSTRUCTION THAT WILL NOT BE REUSED; VOIDS IN FLOOR, WALL, OR ROOF ASSEMBLIES SHALL BE PATCHED AND FINISHED TO MATCH EXISTING. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

- 1 REMOVE UNIT VENTILATOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO HOT WATER SUPPLY & RETURN PIPING, INTEGRATED SHELVEING, OA LOUVER & DUCT, SLEEVE, INSULATION, HANGERS, SUPPORTS, WIRING AND CONTROLS.
- 2 REMOVE FINNED TUBE RADIATION IN ITS ENTIRETY, INCLUDED BUT NOT LIMITED TO ALL ASSOCIATED HEAT PUMP LOOP SUPPLY & RETURN PIPING, CONTROLS, HANGERS AND SUPPORTS.
- 3 REMOVE TERMINAL UNIT IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED DUCTWORK, PIPING, VALVES, HANGERS, SUPPORTS, CONTROLS, AND WIRING.
- 4 REMOVE ABANDONED HEATING ELEMENT IN ITS ENTIRETY, INCLUDED BUT NOT LIMITED TO ALL ASSOCIATED HOT WATER PIPING, CONTROLS, HANGERS AND SUPPORTS.
- 5 EXISTING VAV T-STAY TO BE RELOCATED REMOVE AND REPLACE SUPPORTS AND WIRING AS NEEDED, NEW LOCATION FOR THE T-STAY IS ON M2.1.



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PROJECT #2511A



GKO
ARCHITECTS

3308 NORTH OLIVE STREET, MEDIA, PA 19063


MECHANICAL PIPING
DEMOLITION
PARTIAL
FLOOR PLAN

DM2.2

SCALE	AS NOTED
DATE	3-28-2025

1. REFER TO DRAWING MO.1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

- ① CONNECT TO EXISTING 14" FUME HOOD EXHAUST DUCTWORK, ALL NEW DUCTWORK CONNECTED TO THE FUME HOOD TO BE WELDED 316 STAINLESS STEEL.
- ② CONNECT EXHAUST DUCTWORK TO NEW DRYER, TRANSITION AS NEEDED.
- ③ PROVIDE 24x24 NEW TYPE C PRICE MODEL 520 IN NEW SOFFIT.



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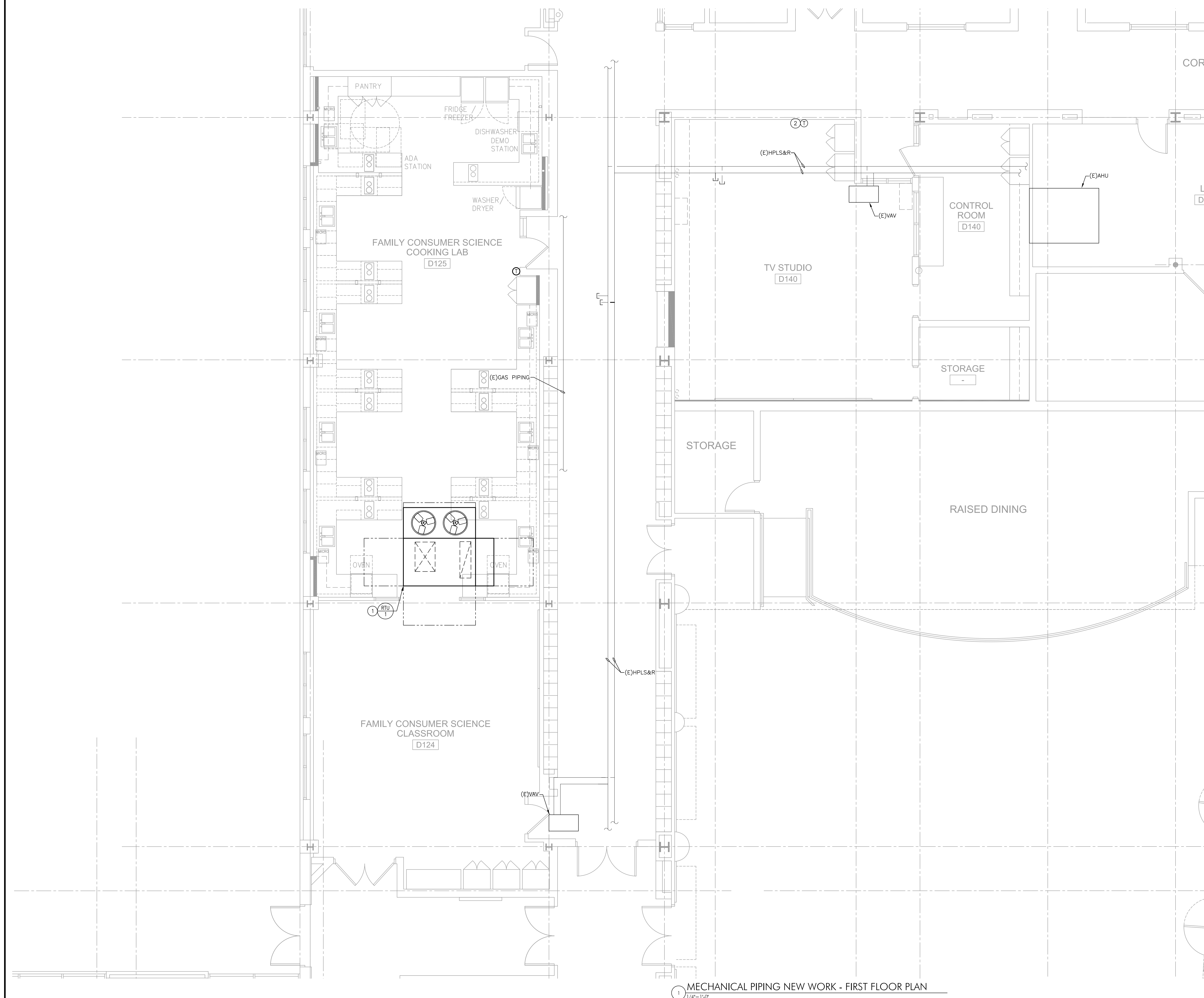


ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET MEDIA, PA 19063

MECHANICAL
DUCTWORK
NEW WORK
PARTIAL
FLOOR PLAN

A1.2

DATE	AS NOTED
DATE	3-28-2025



GENERAL NEW WORK NOTES:

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
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PACKAGED DEHUMIDIFICATION UNIT SCHEDULE																																													
UNIT TAG	AREA SERVED	SUPPLY CFM	MINIMUM OA CFM	SUPPLY FAN					D/X COOLING @ 95°										DEHUMIDIFICATION - HOT GAS REHEAT					GAS HEAT					ELECTRICAL CHARACTERISTICS					MAXIMUM DIMENSIONS L x W x H	AIRFLOW ARRANGEMENT	OPERATING WEIGHT LBS.	BASIS OF DESIGN MANUFACTURER AND MODEL NO.								
				CFM	ESP IN. WC	TSP IN. WC	BHP	HP	ENT AIR		LVG AIR		FACE FPM	GROSS TOTAL MBH	GROSS SENSIBLE MBH	NET TOTAL MBH	NET SENSIBLE MBH	CONDENSER FAN MOTOR			COMPRESSOR			ENT AIR		LVG AIR	REHEAT CAPACITY MBH	AIR										HEATING CAPACITY	INPUT MBH	OUTPUT MBH	COMBUSTION FAN MOTOR				
									DB °F	WB °F	DB °F	WB °F						NO.	H.P. EA.	FLA EA.	NO.	H.P. EA.	FLA EA. 1/2/3/4	DB °F	WB °F			DB °F	%RH	ENT °F	LVG °F	10:1 TURNDOWN	195								158	NO.	H.P. EA.	FLA EA.	VOLTS
RTU-1	FCS D125	3,000	1,500	3,000	1.00	2.15	1.72	3	84.0	69.0	52.7	51.6	205.7	120.9	86.4	116.8	82.3	2	0.33	1.6	2	-	7.7/6.9	55.8	54.3	75.0	46.7	58.7	43.7	97.4	10:1 TURNDOWN	195	158	1	0.09	0.7	460	3	60	25	30	9'-3"x8"x3'-10"	DOWNFLOW	1,900	AAON RNA-011-B

1. PROVIDE ALL UNITS WITH UNIT MOUNTED NON-FUSED DISCONNECT SWITCH, 2" THROWAWAY MERV 8 PRE-FILTERS AND 4" THROWAWAY MERV 13 FILTERS, FULLY MODULATING HOT GAS REHEAT, STAINLESS STEEL GAS-FIRED HEAT EXCHANGERS, 0-100% OUTSIDE AIR ECONOMIZER (COMPARATIVE ENTHALPY).
2. PROVIDE ALL UNITS WITH CONDENSER FAN VFD FOR HEAD PRESSURE CONTROL.
3. PROVIDE ALL UNITS WITH VARIABLE CAPACITY COMPRESSOR ON LEAD CIRCUIT.
4. PROVIDE ALL UNITS WITH SUPPLY FAN WITH PREMIUM EFFICIENCY MOTOR AND VFD.
5. PROVIDE ALL UNITS WITH FACTORY INSTALLED LIGHTS AND RECEPTACLES.
6. PROVIDE RTU-1 COMPLETE WITH 18" HIGH ROOF CURB.
7. UNIT WILL OPERATE IN A CONSTANT VOLUME MODE. SUPPLY FAN VFD'S ARE PROVIDED FOR BALANCING PURPOSES.
8. PROVIDE ALL UNITS WITH VCOX2 CONTROLLER AND BACNET COMMUNICATIONS INTERFACE.
9. PROVIDE RTU-1 WITH 35KA SCCR RATING.
10. PROVIDE DUCT SMOKE DETECTOR FOR RTU-1 TO BE FIELD INSTALLED BY EC. ATC TO HARDWIRE TO UNIT FOR SHUTDOWN.

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE							
TAG	STYLE	CFM	MOUNT	FACE	MAX NC	BASIS OF DESIGN MANUFACTURER AND MODEL NO.	REMARKS
A	SQUARE, 3-CONE DIFFUSER	VARIES	AS REQ'D	24x24	21	PRICE SCD	1
B	FIXED FACE BAR GRILLE	VARIES	AS REQ'D	VARIES W/NECK SIZE	25	PRICE 530	1
C	ADJUSTABLE FACE BAR GRILLE	VARIES	AS REQ'D	VARIES W/NECK SIZE	25	PRICE 520	1

1. REFER TO PLANS FOR QUANTITIES, NECK SIZE, CFM, AND PATTERN.

CONSULTANTS

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ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET, MEDIA, PA 19063

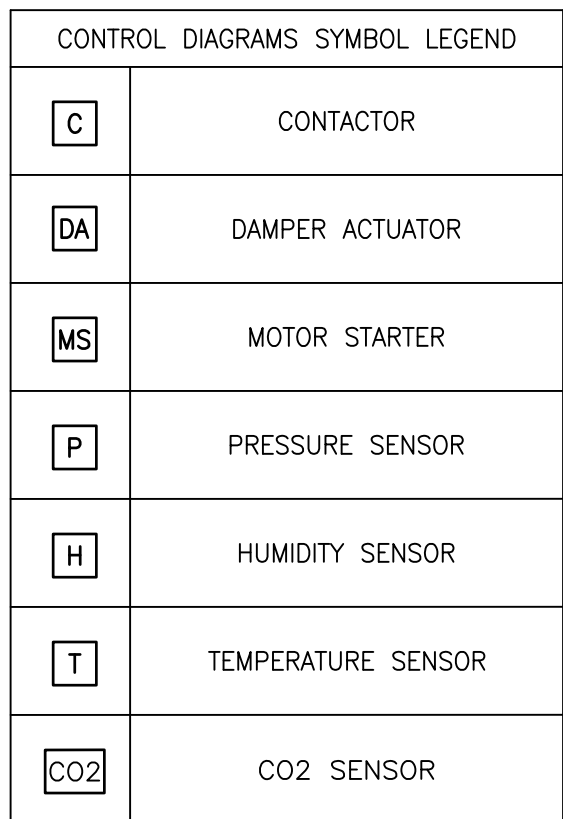
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MECHANICAL SCHEDULES

SHEET #

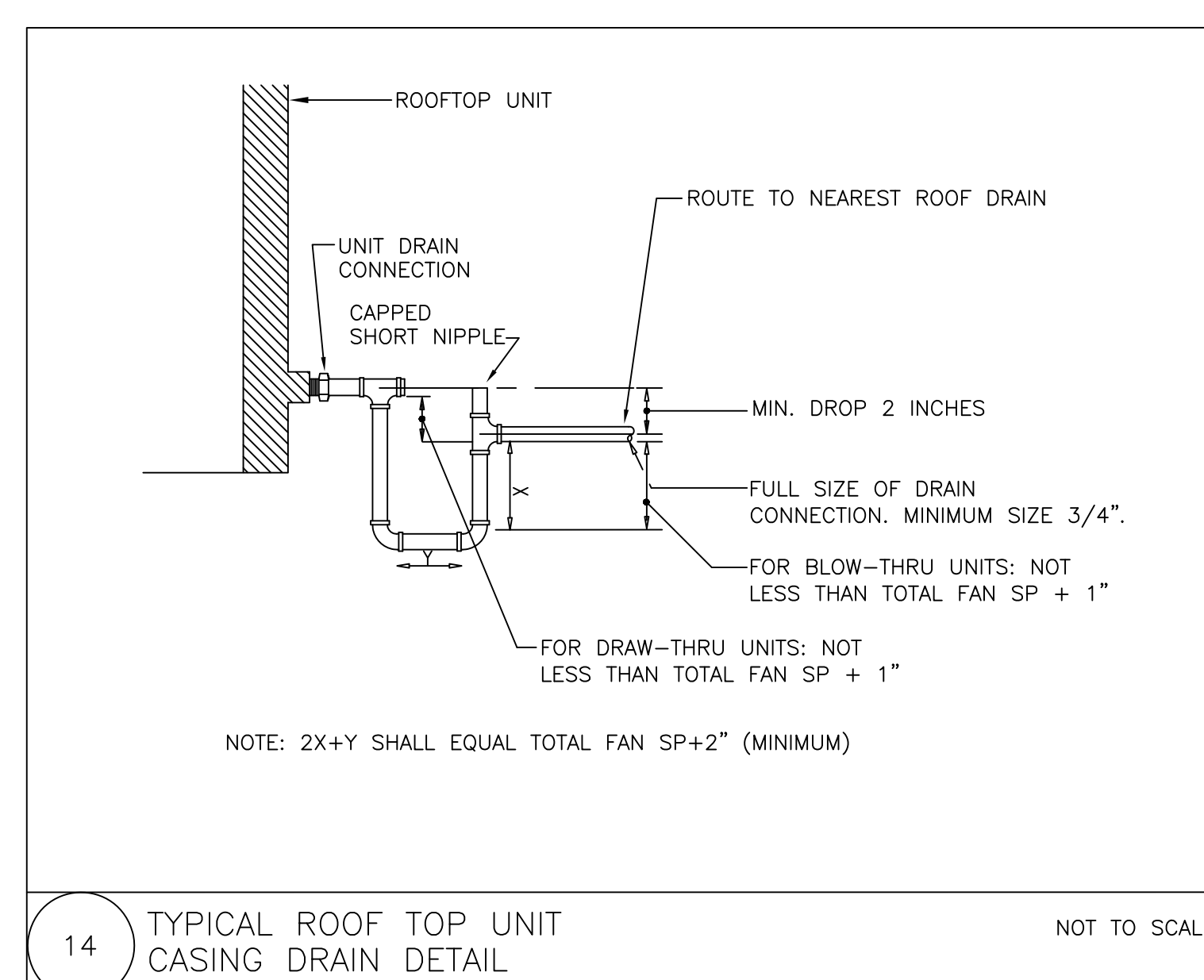
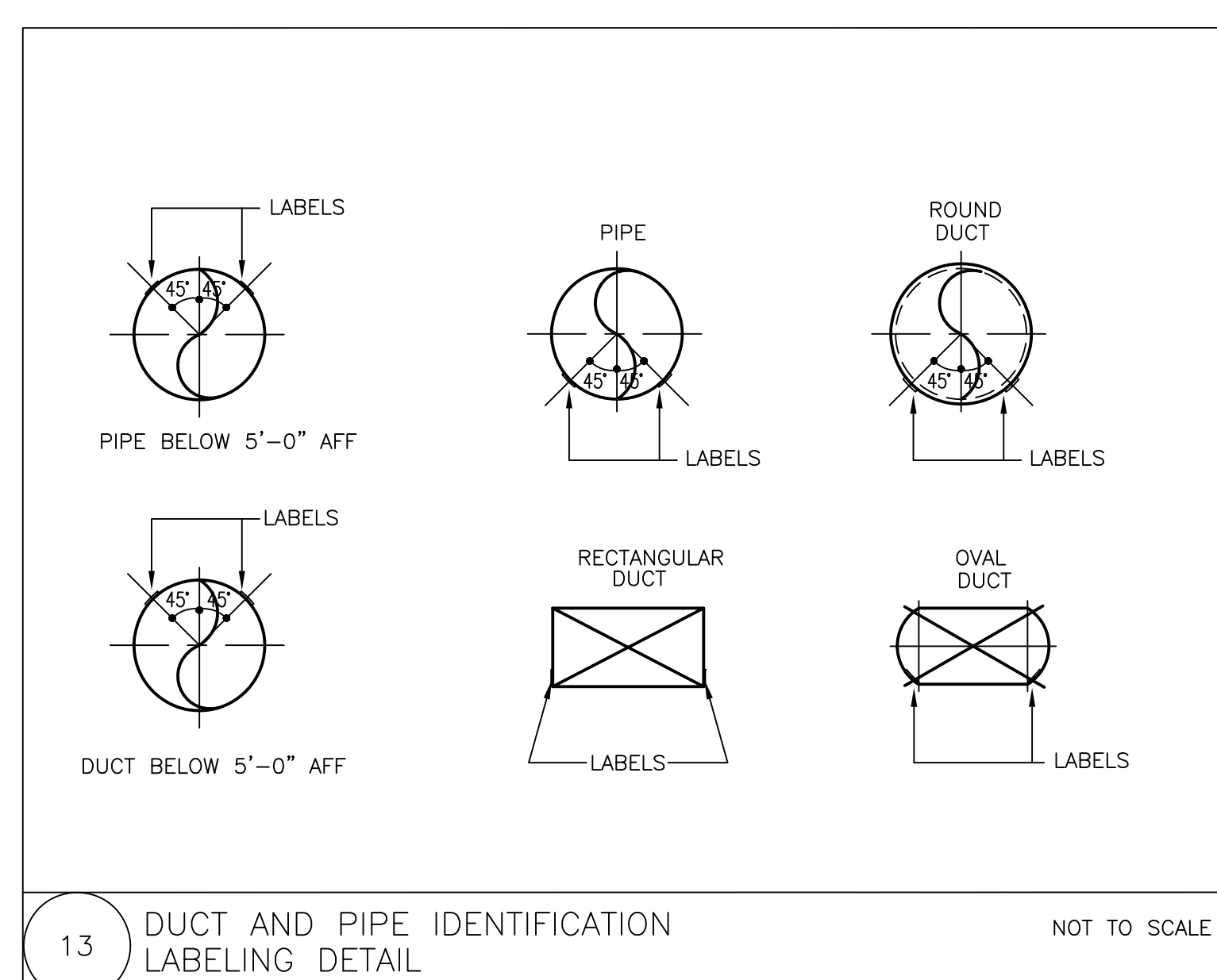
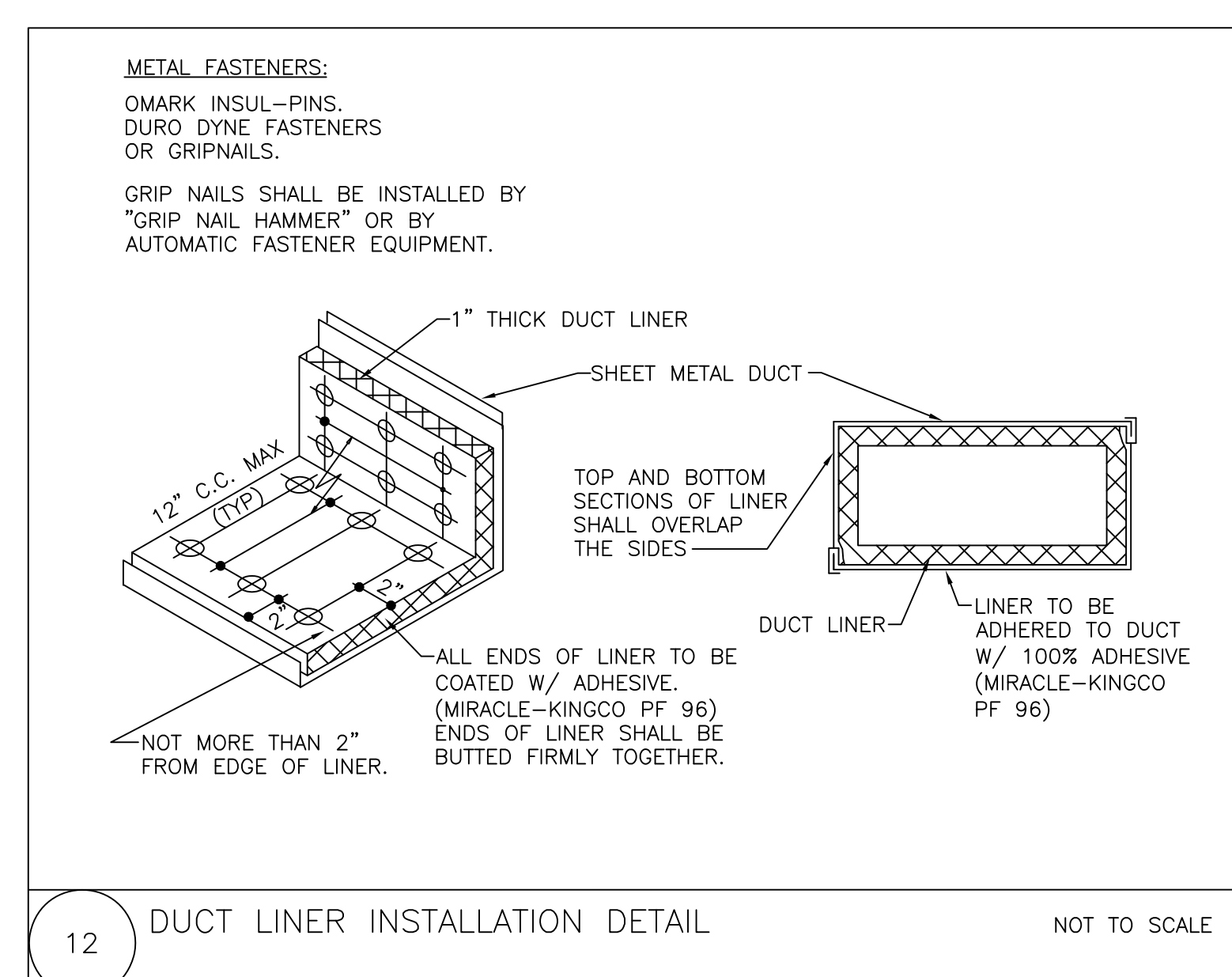
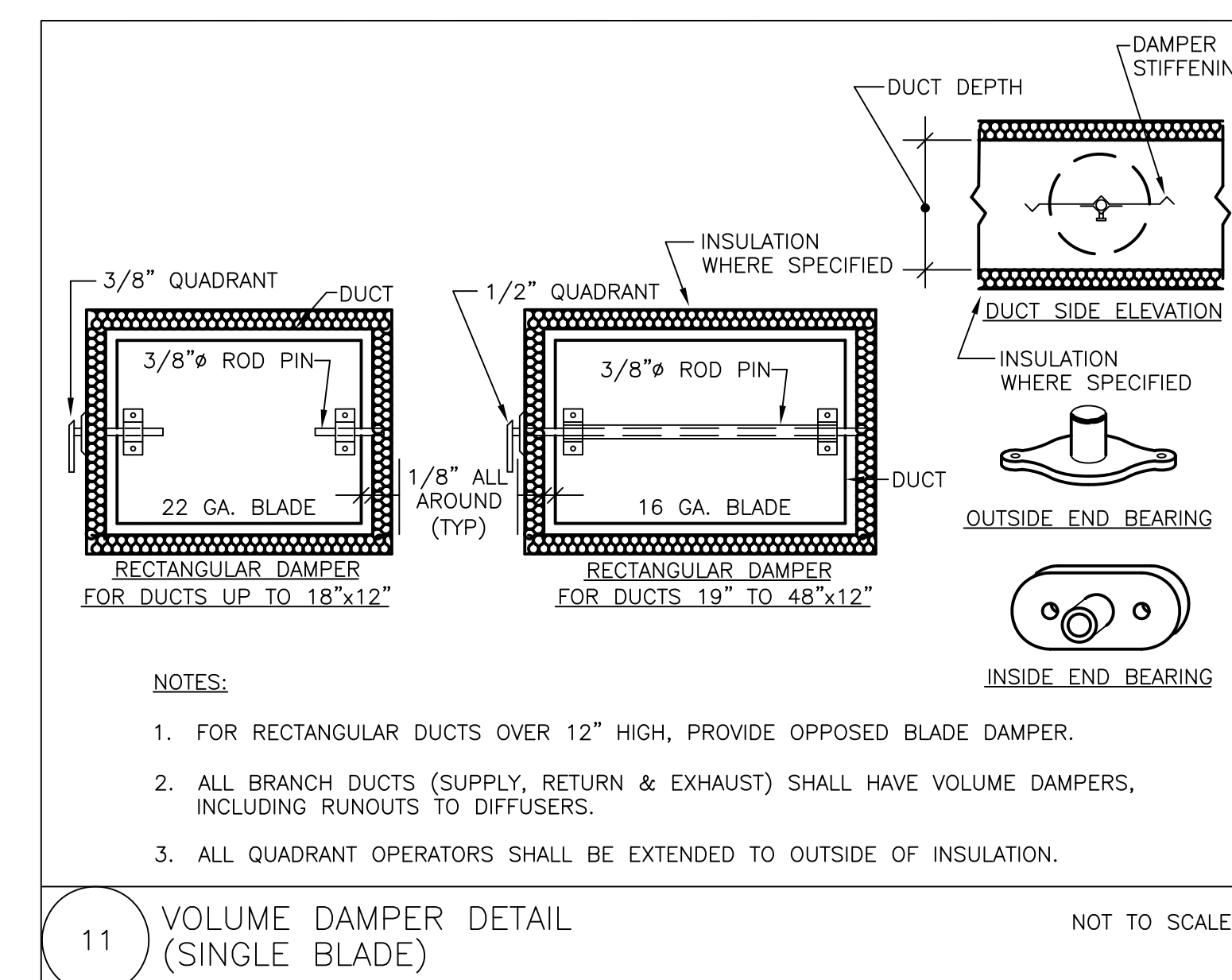
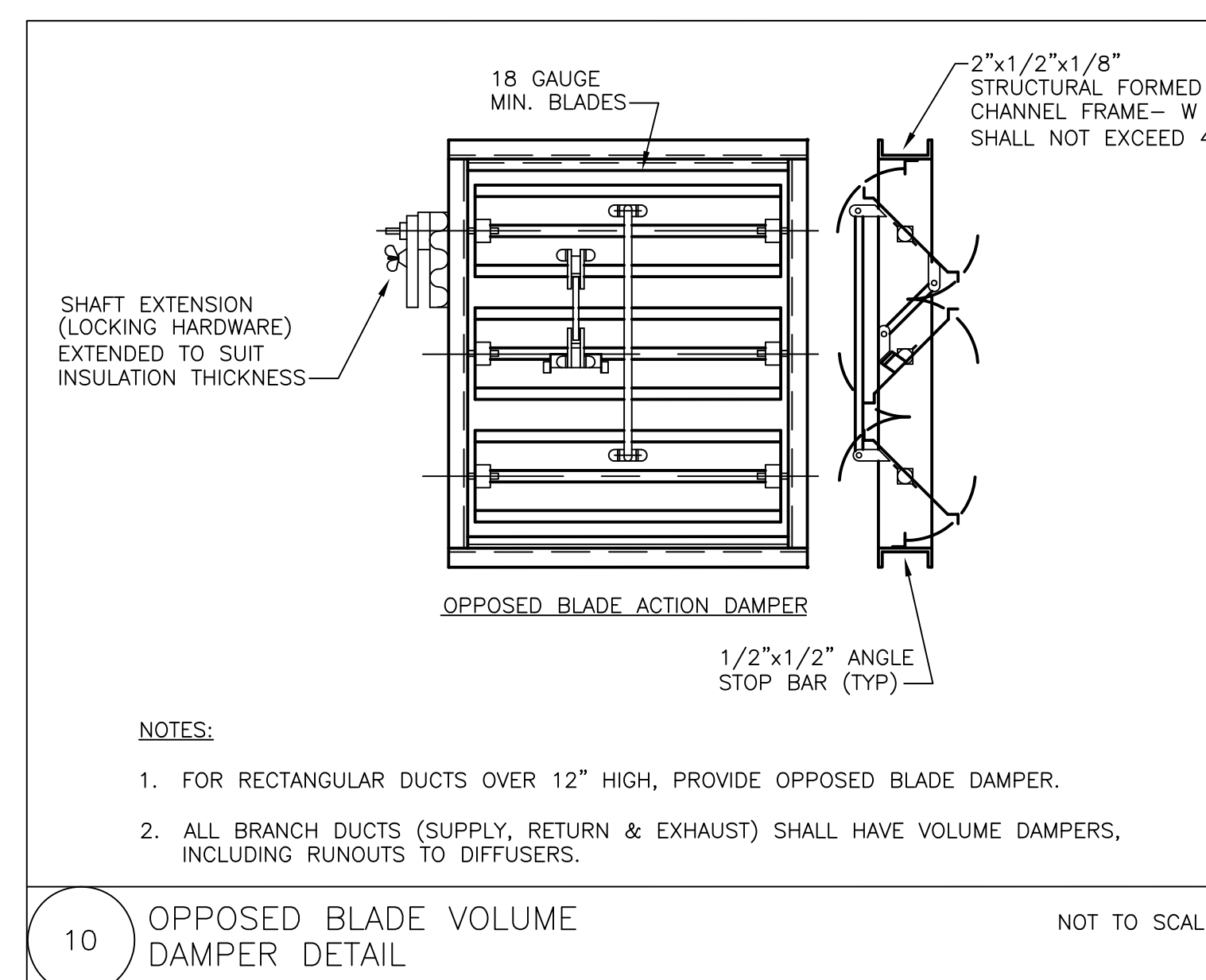
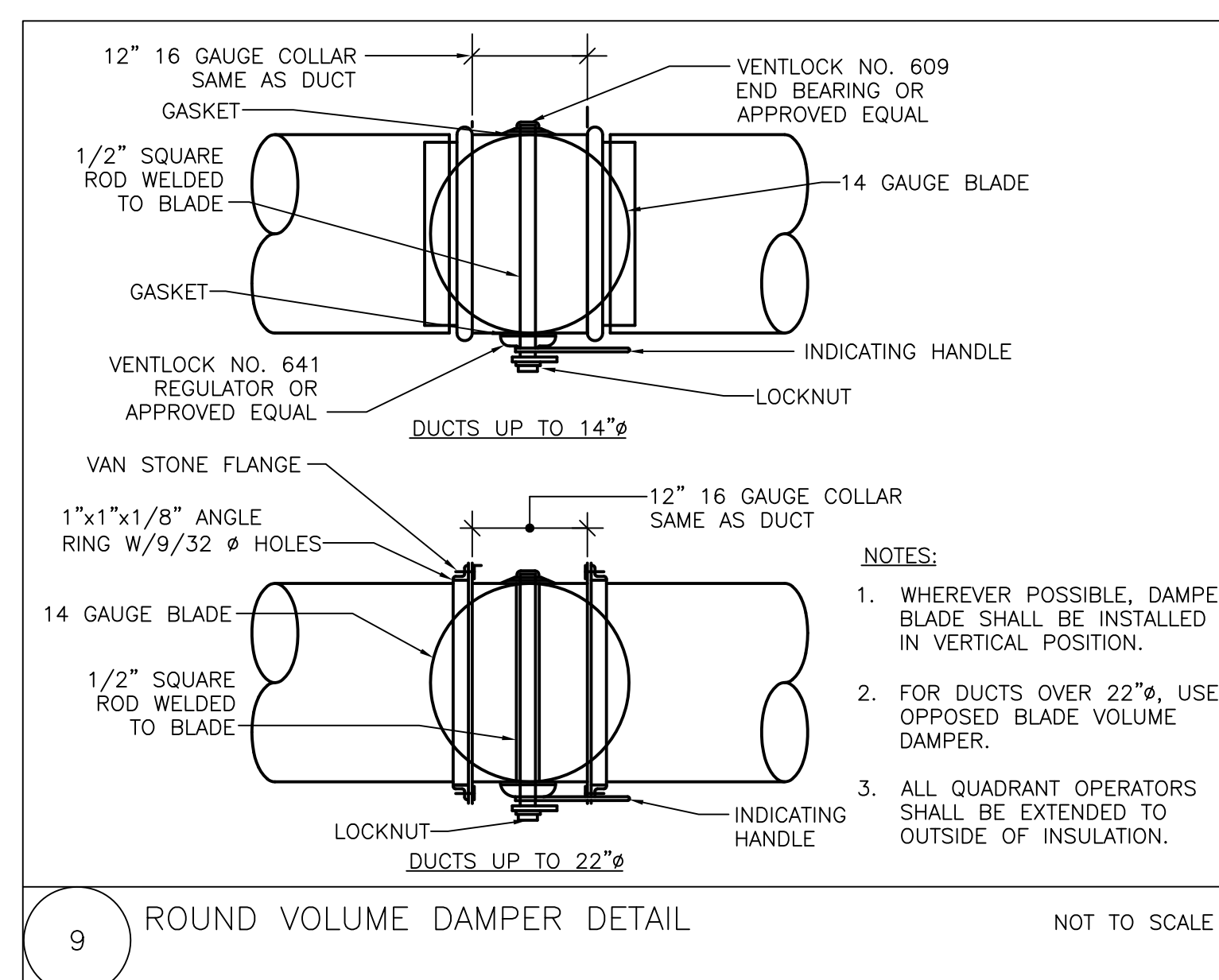
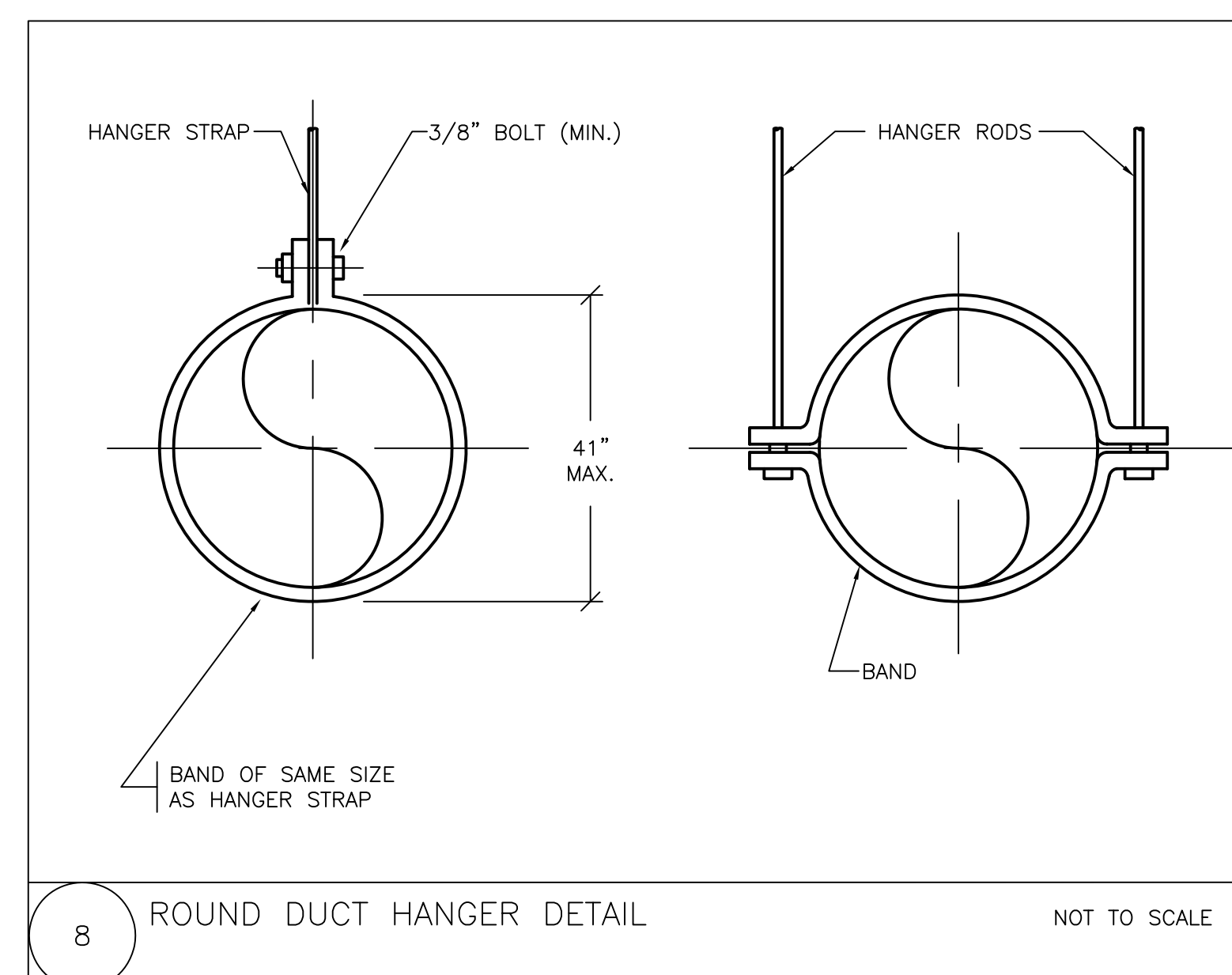
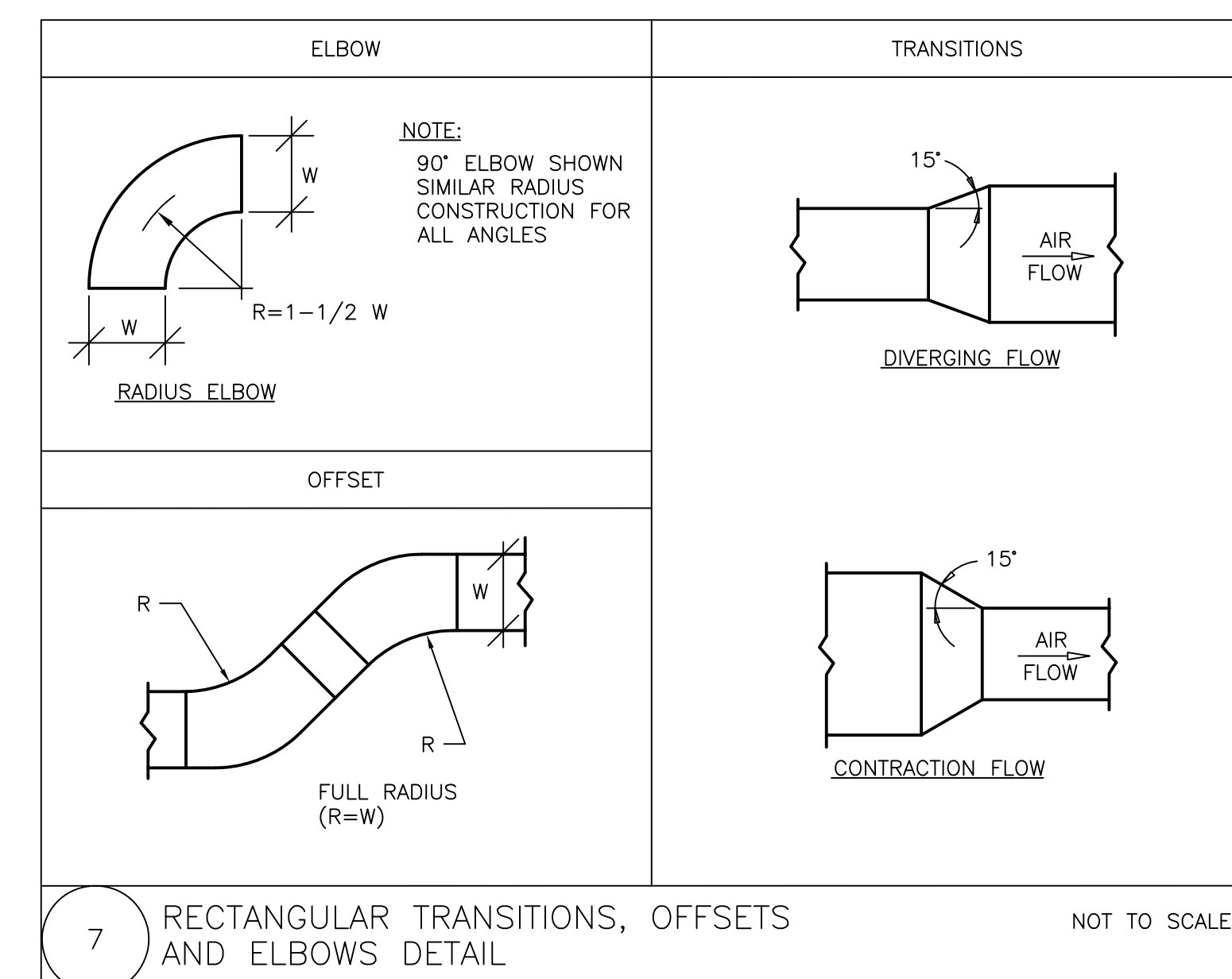
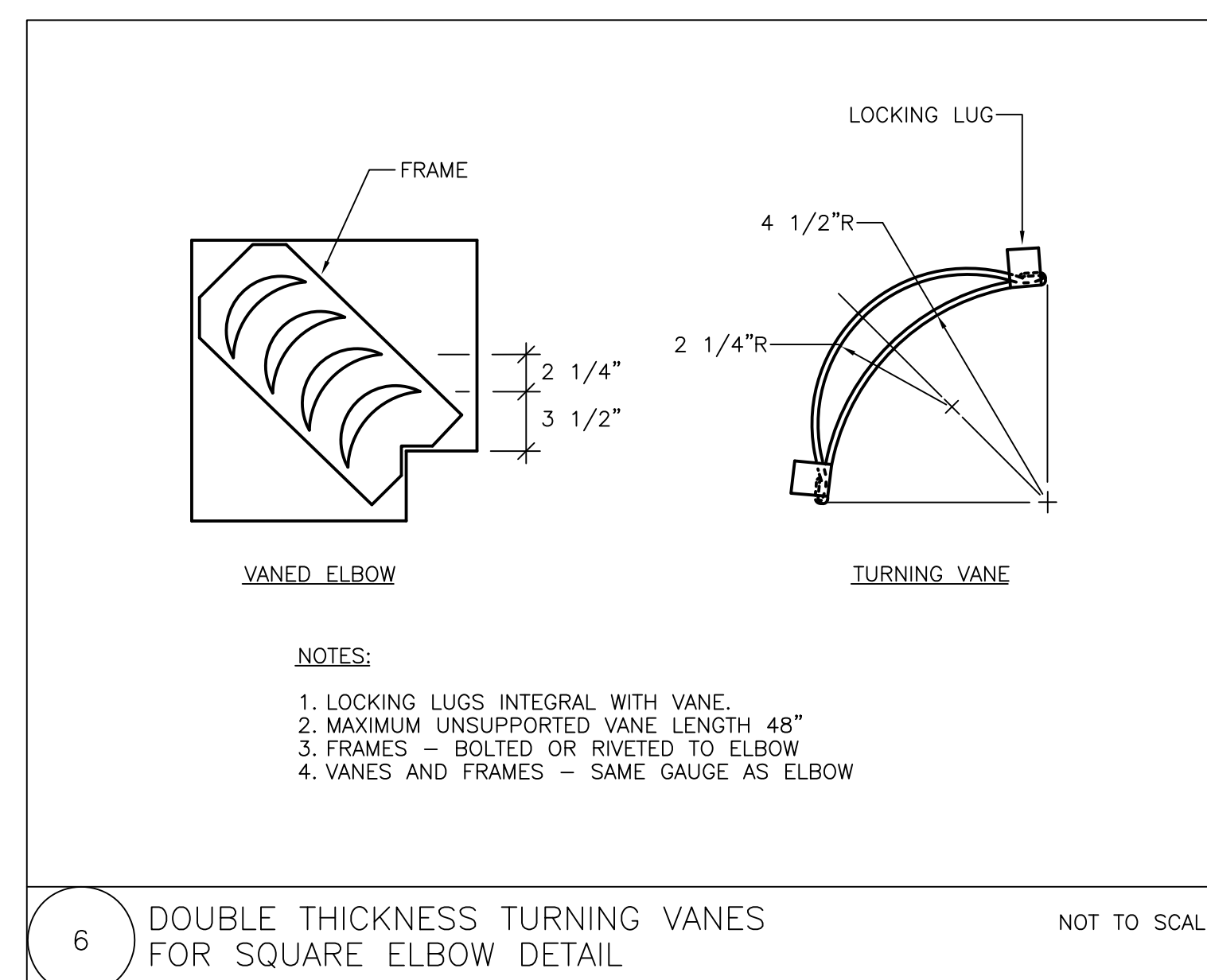
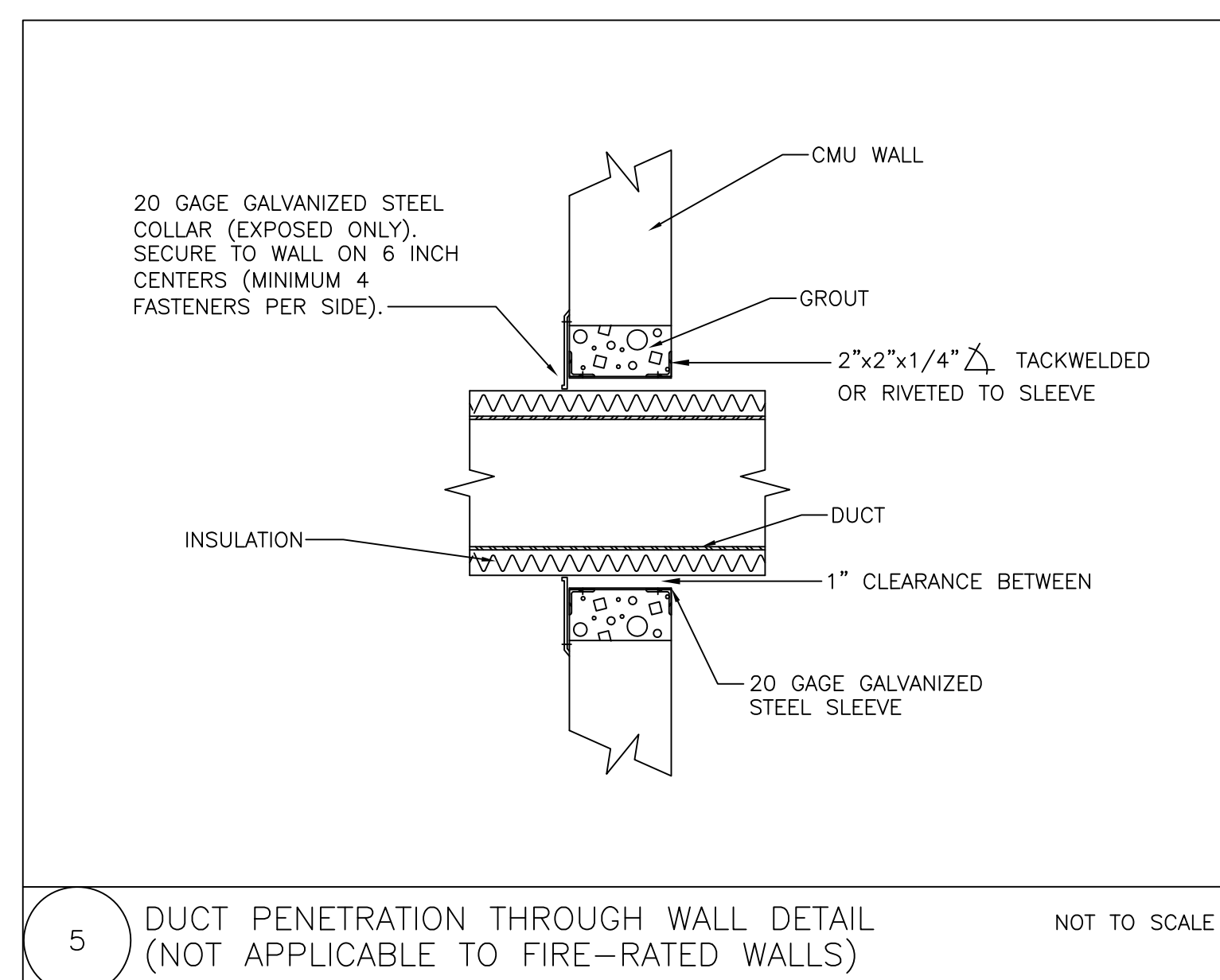
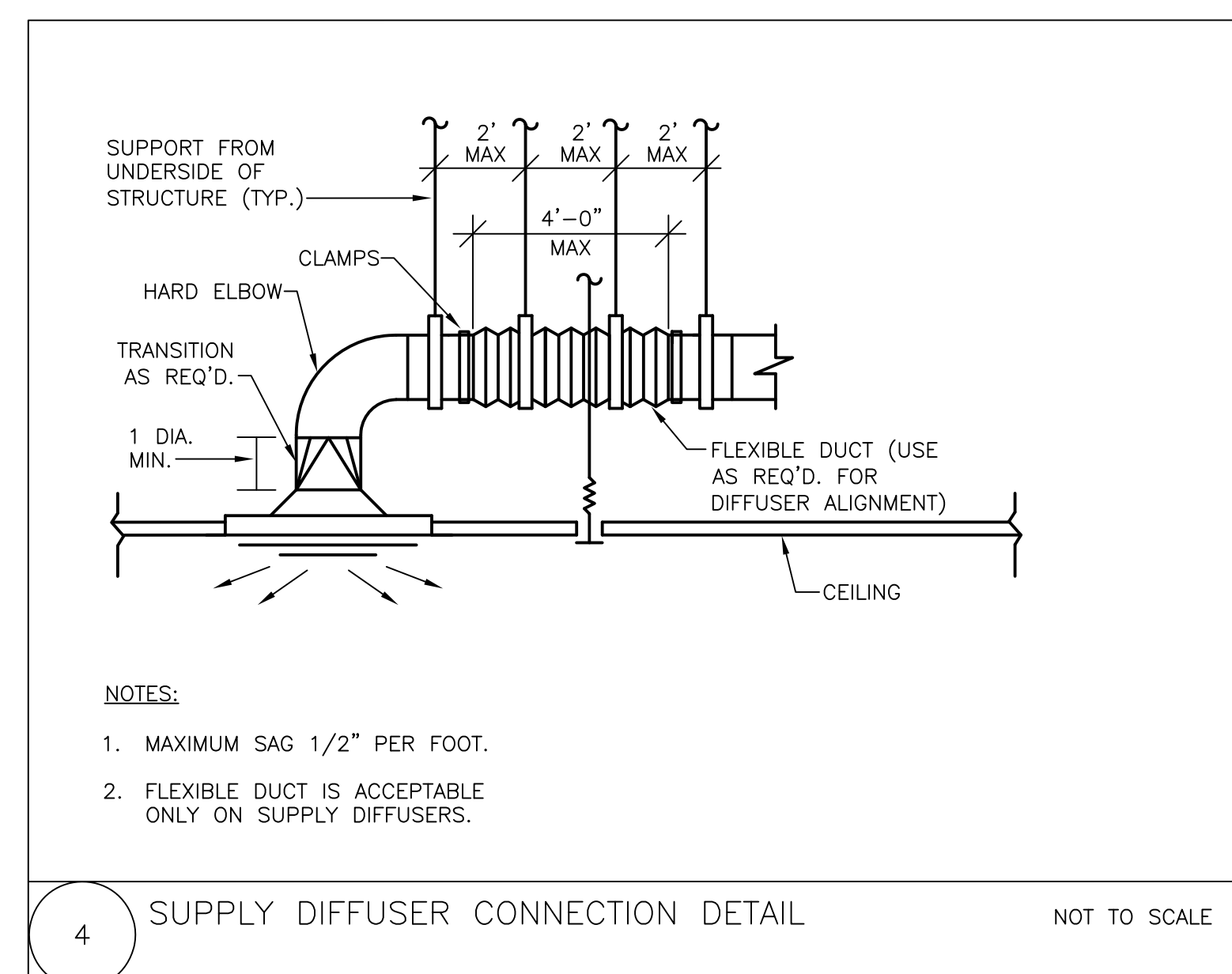
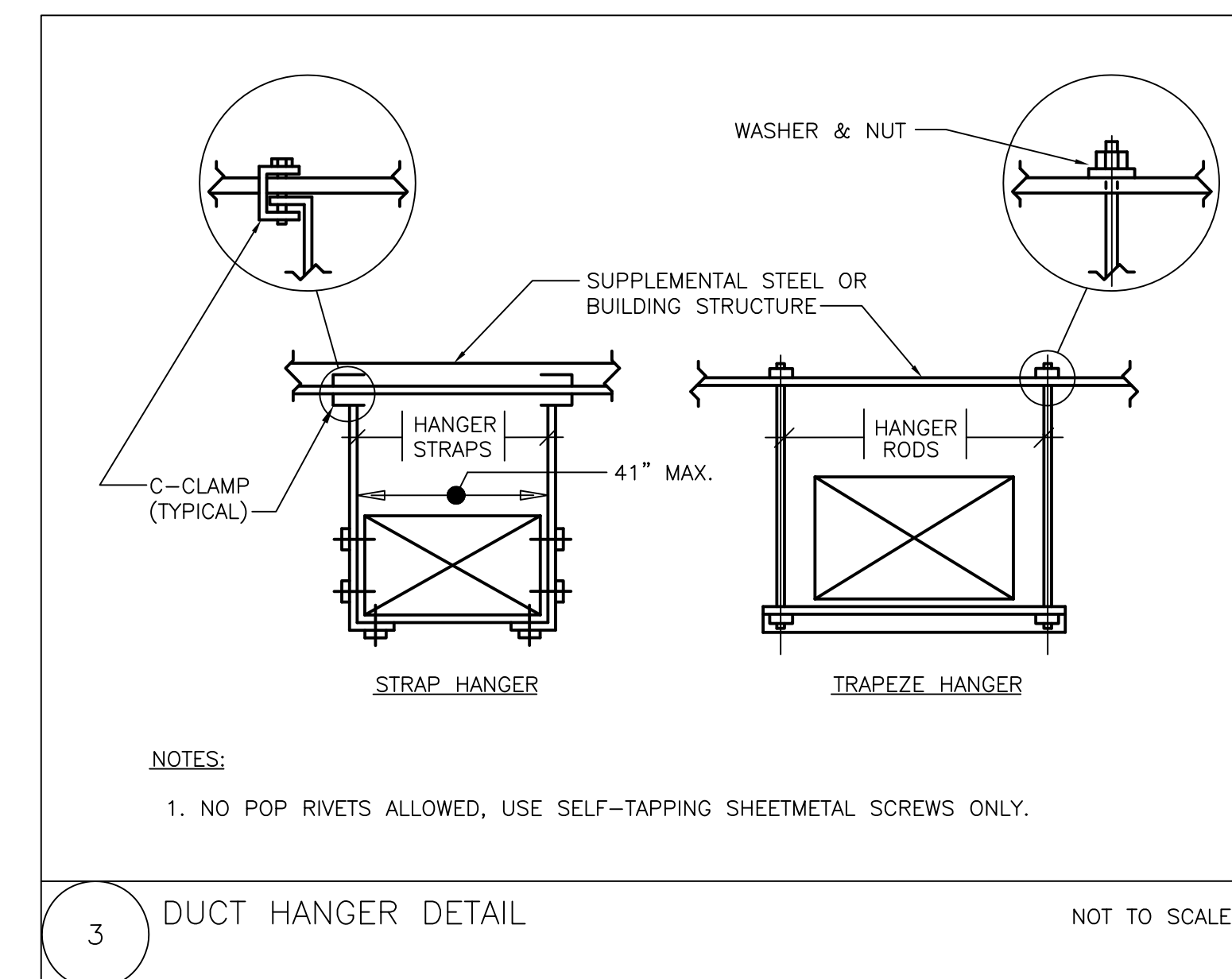
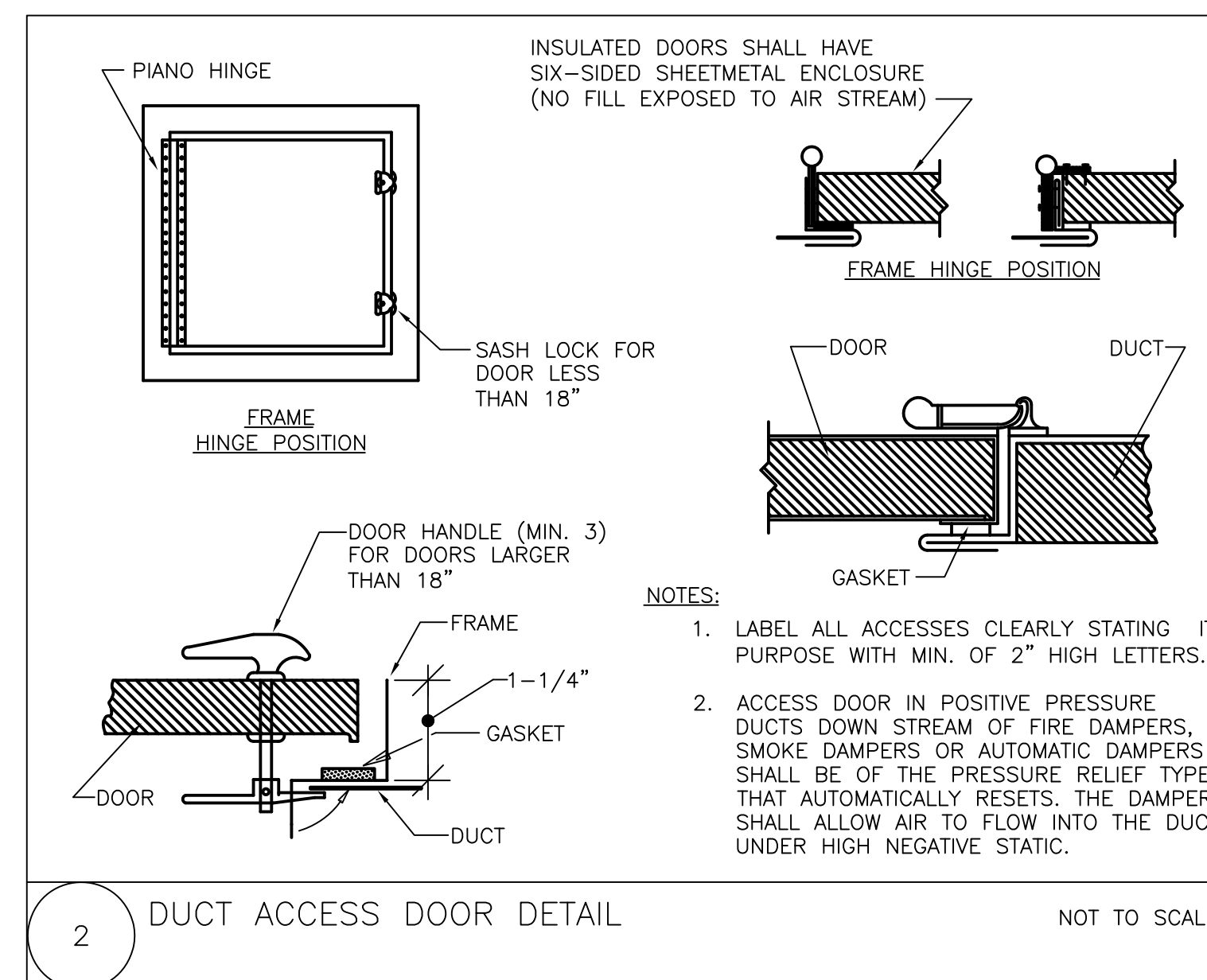
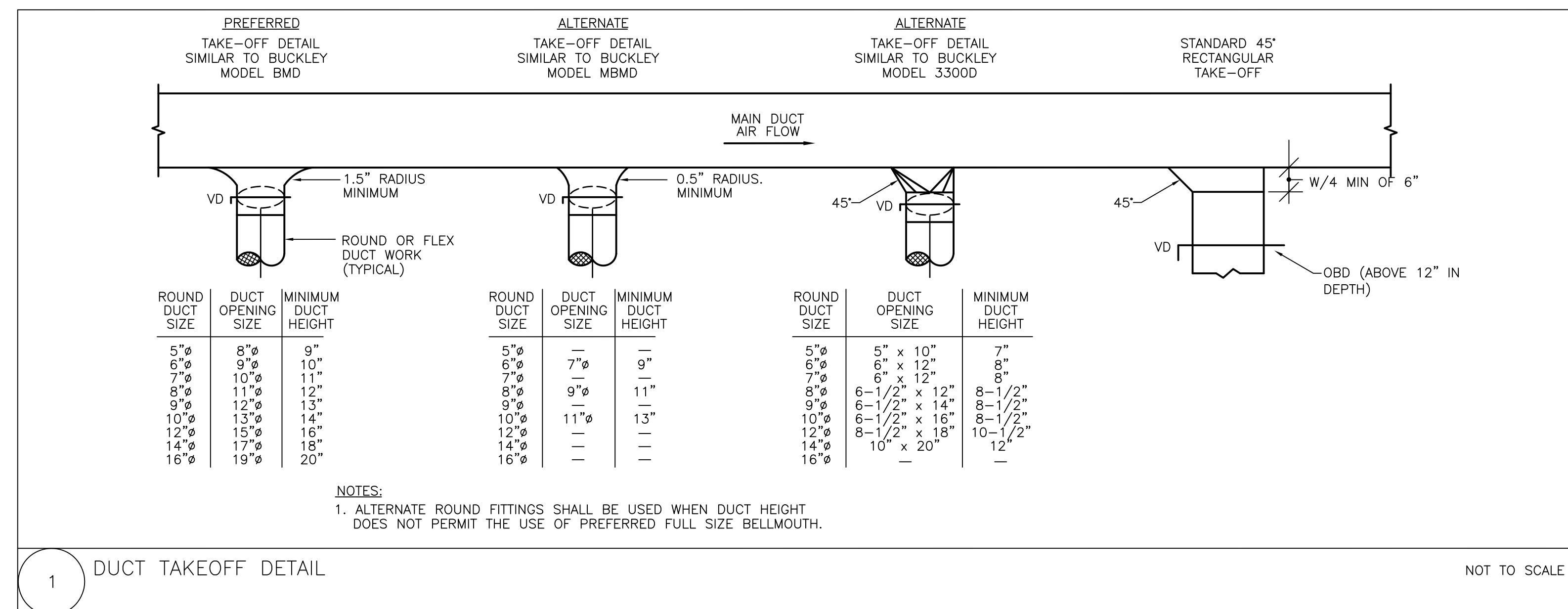
M3.1

SCALE	AS NOTED
DATE	3-28-2025

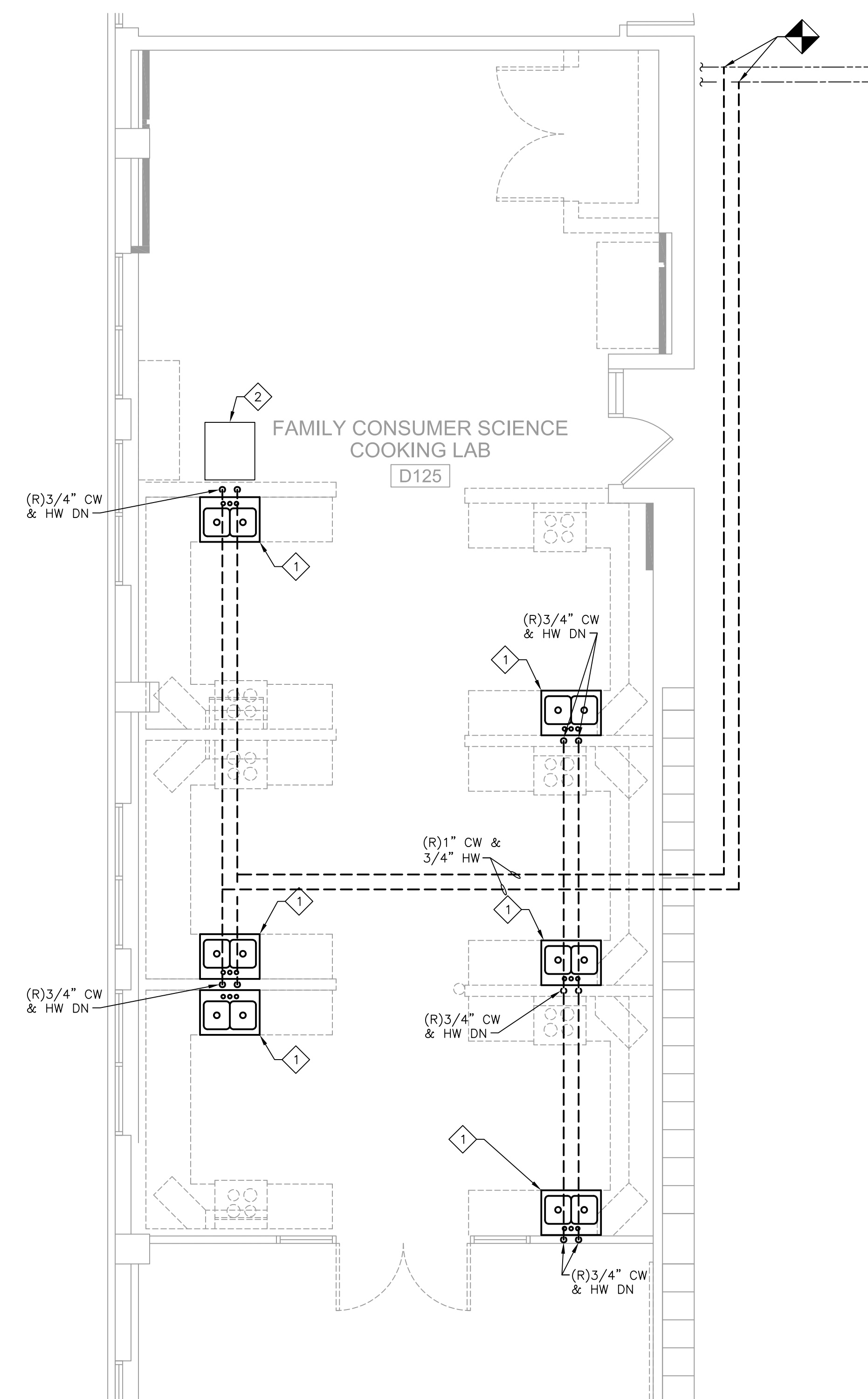
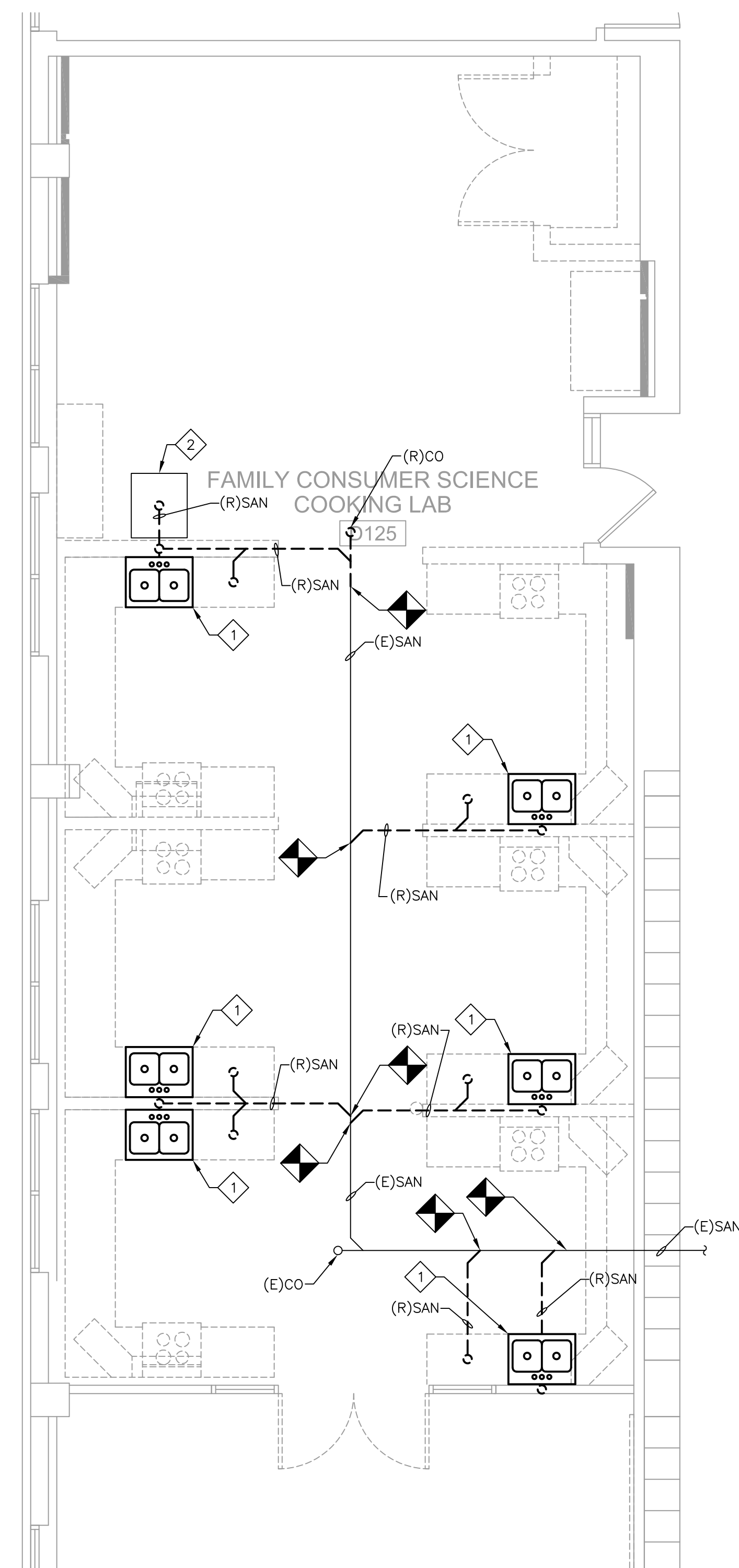


1 RTU - 1 CONTROL DIAGRAM
NOT TO SCALE

R. (RTU-1 ONLY) SMOKE DETECTION SHUTDOWN: SMOKE DETECTOR SHUTDOWN VIA FIRE ALARM CONTROL RELAY. COORDINATE WITH EC.

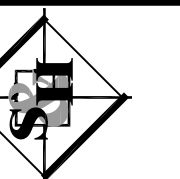


ABBREVIATIONS				GENERAL NOTES		GENERAL DEMOLITION NOTES	
AB	ABANDONED	R	REMOVE	<div>1. THE FOLLOWING NOTES APPLY TO ALL PLUMBING DRAWINGS.</div> <div>2. ALL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE 2018 AND ALL OTHER APPLICABLE CODES AND STANDARDS.</div> <div>3. ALL DRAWINGS ARE DIAGRAMMATIC. PLUMBING CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.</div> <div>4. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF DUCTWORK PIPING AT NO ADDITIONAL COST.</div> <div>5. ALL FLOOR MOUNTED WATER HEATERS SHALL BE INSTALLED ON 4" HIGH CONCRETE HOUSEKEEPING PADS PROVIDED BY THE PLUMBING CONTRACTOR.</div> <div>6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.</div> <div>7. SCHEDULES DO NOT REPRESENT EQUIPMENT QUANTITIES. REFER TO THE PLANS FOR ACTUAL QUANTITIES.</div> <div>8. PLUMBING CONTRACTOR SHALL PROVIDE FIREPROOF PIPE SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.</div> <div>9. MANUFACTURERS AND MODEL NUMBERS INDICATED ON THE PLANS, SCHEDULES AND SKETCHES ARE PROVIDED AS A BASIS OF DESIGN ONLY. BIDDERS SHALL REFER TO THE SPECIFICATIONS FOR A LISTING OF MULTIPLE ACCEPTABLE MANUFACTURERS FOR EACH OF THESE ITEMS. SIMILAR PRODUCTS FROM ANY OF THESE MANUFACTURERS MAY BE FURNISHED PROVIDED THEY MEET THE INTENT OF THE SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRED AS A RESULT OF A SUBSTITUTION ARE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.</div>	<div>1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.</div> <div>2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.</div> <div>3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.</div> <div>4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.</div> <div>5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.</div> <div>6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.</div> <div>7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.</div> <div>8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.</div> <div>9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.</div> <div>10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.</div> <div>11. EXTREME CARE SHALL BE EXERCISED FOR ALL EXISTING ITEMS THAT ARE TO REMAIN IN SERVICE UNTIL NEW ITEMS ARE INSTALLED FOR THE SAME SERVICE. ALL SHUTDOWNS OF ANY SYSTEM SHALL BE COORDINATED WITH THE OWNER.</div> <div>12. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK</div>		
AD	AREA DRAIN	RD	ROOF DRAIN				
AFF	ABOVE FINISHED FLOOR	RWC	RAIN WATER CONDUCTOR				
BFP	BACK FLOW PREVENTER	SA	SHOCK ABSORBER				
CA	COMPRESSED AIR	SAN	SANITARY				
CO	CLEAN OUT	SS	SERVICE SINK				
CW	DOMESTIC COLD WATER	SH	SHOWER				
DF	DRINKING FOUNTAIN	SK	SINK				
DN	DOWN	ST	STORM				
DW	DISHWASHER	SW	SAFE WASTE				
(E)	EXISTING	TW	TEMPERED WATER				
EC	ELECTRICAL CONTRACTOR	UR	URINAL				
EWC	ELECTRIC WATER COOLER	VTR	VENT THRU ROOF				
FAI	FRESH AIR INLET	V	VENT				
(F)FD	FUTURE FLOOR DRAIN	W	WASTE				
FD-A	FLOOR DRAIN (A - INDICATES TYPE)	WC	WATER CLOSET				
FU	FIXTURE UNIT	WCO	WALL CLEANOUT				
GC	GENERAL CONTRACTOR	WH	WALL HYDRANT				
G	GAS	BLW	BELOW				
HB	HOSE BIBB	ABV	ABOVE				
HW	DOMESTIC HOT WATER	CLG	CEILING				
HWH	HOT WATER HEATER	FLR	FLOOR				
HWR	DOMESTIC HOT WATER RECIRCULATION						
IW	INDIRECT WASTE						
LAV	LAVATORY						
MAX	MAXIMUM						
MIN	MINIMUM						
MC	MECHANICAL CONTRACTOR						
MH	MANHOLE						
MR	MOP RECEPTOR						
N	NEW WORK						
NC	NORMALLY CLOSED						
NO	NORMALLY OPEN						
NTS	NOT TO SCALE						
NIC	NOT IN CONTRACT						
OFD	OVERFLOW DRAIN						
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE						
PC	PLUMBING CONTRACTOR						
PRV	PRESSURE REDUCING VALVE						
SYMBOL LEGEND				LIST OF DRAWINGS			
	DOMESTIC COLD WATER		PRESSURE REDUCING VALVE	P0.1	PLUMBING COVER SHEET		
	DOMESTIC HOT WATER		HOSE BIBB	DP1.1	PLUMBING DEMOLITION PARTIAL FLOOR PLAN		
	DOMESTIC HOT WATER RECIRCULATION		WALL HYDRANT	DP1.2	PLUMBING DEMOLITION PARTIAL FLOOR PLAN		
	NATURAL GAS PIPING		CHECK VALVE	DP1.3	PLUMBING DEMOLITION PARTIAL FLOOR PLAN		
	PROPANE LINE		RELIEF VALVE	DP1.4	PLUMBING DEMOLITION PARTIAL FLOOR PLAN		
	RAIN WATER CONDUCTOR		GAUGE WITH COCK	P1.1	PLUMBING NEW WORK PARTIAL FLOOR PLAN		
	TEMPERED WATER		CAPPED LINE	P1.2	PLUMBING NEW WORK PARTIAL FLOOR PLAN		
	SANITARY LINE		DRAIN VALVE WITH HOSE THREAD	P1.3	PLUMBING NEW WORK PARTIAL FLOOR PLAN		
	CONDENSATE DRAIN		CIRCUIT SETTER	P1.4	PLUMBING NEW WORK PARTIAL FLOOR PLAN		
	VENT LINE		SELF CONTAINED TEMPERING VALVE	P2.1	PLUMBING SCHEDULES		
	BACK FLOW PREVENTER		EXISTING WORK TO REMAIN	P3.1	PLUMBING RISER DIAGRAMS		
	OS & Y VALVE (M DENOTES MONITORED VALVE)		WORK TO BE REMOVED	P3.2	PLUMBING RISER DIAGRAMS, SCHEDULE, & DETAILS		
	GLOBE VALVE		NEW WORK	<div>ROSE TREE MEDIA SCHOOL DISTRICT CAPITAL IMPROVEMENT PROJECTS 2025</div> <div>308 NORTH OLIVE STREET, MEDIA, PA 19063</div>			
	BALL VALVE		DENOTES CONNECT TO EXISTING				
	MONITORED BALL VALVE		DENOTES LIMIT OF DEMOLITION				
	BUTTERFLY VALVE	<div>CONSULTANTS</div> <div>PROJECT TEAM</div> <div>SCHILLER AND HERSH ASSOCIATES INC.</div> <div>Engineers</div> <div>P: 215.686.8847</div> <div>F: 215.686.8856</div> <div>630 Shiplake Pike</div> <div>Suite 200</div> <div>Ambler, PA 19002</div> <div>www.schillerhersh.com</div> <div>PROJECT TEAM</div>					
	MONITORED BUTTERFLY VALVE						
	CLEAN OUT						
	CLEAN OUT						
	FLOW SWITCH						
	GAS COCK						
	SHOCK ABSORBER						



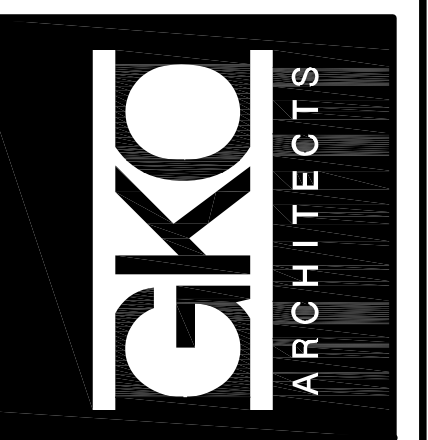
- DEMOLITION KEY NOTES:
- 1 REMOVE SINK INCLUDING BUT NOT LIMITED TO FAUCET, HOT & COLD WATER PIPING, SANITARY PIPING, INSULATION, HANGER, & SUPPORTS.
- 2 DISCONNECT HOT & COLD WATER PIPING, SANITARY PIPING, AND GAS PIPING FROM EXISTING WASHER AND DRYER TO BE MOVED.

1



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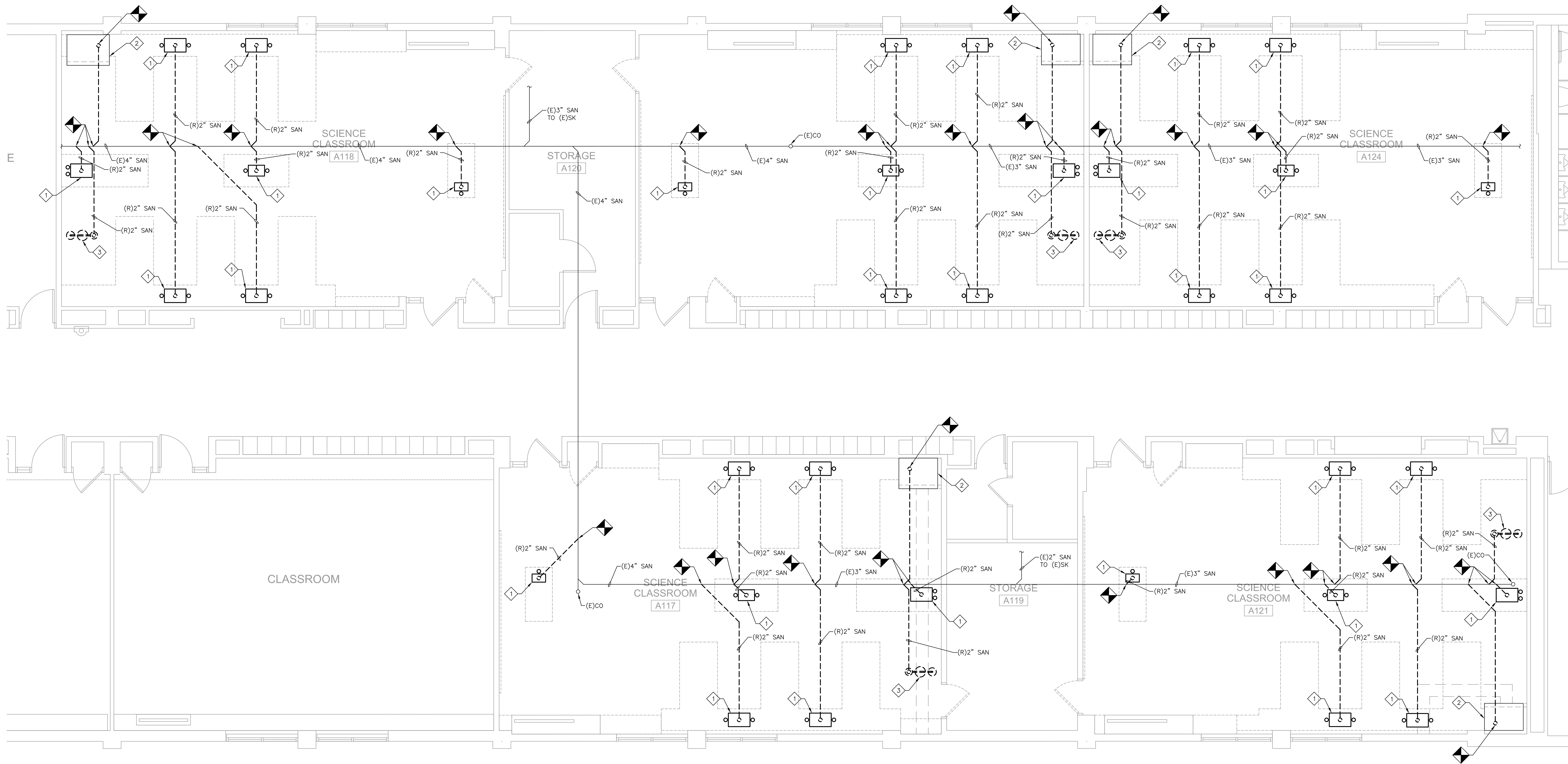
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REVIEWED BY	
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SHEET TITLE	

PLUMBING
DEMOLITION
PARTIAL
FLOOR PLANS

HEET 4

DP1.1

DATE	AS NOTED
DATE	3-28-2025



DEMOLITION KEY NOTES:

- 1 REMOVE SINK INCLUDING BUT NOT LIMITED TO FAUCET, COLD WATER PIPING, SANITARY PIPING, INSULATION, HANGER, & SUPPORTS
- 2 DISCONNECT COLD WATER PIPING, SANITARY PIPING, AND GAS PIPING FROM EXISTING HOOD.
- 3 REMOVE EYE WASH STATION INCLUDING BUT NOT LIMITED TO FLOOR COLD WATER PIPING, SANITARY PIPING, INSULATION, HANGERS, AND SUPPORTS.

ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025

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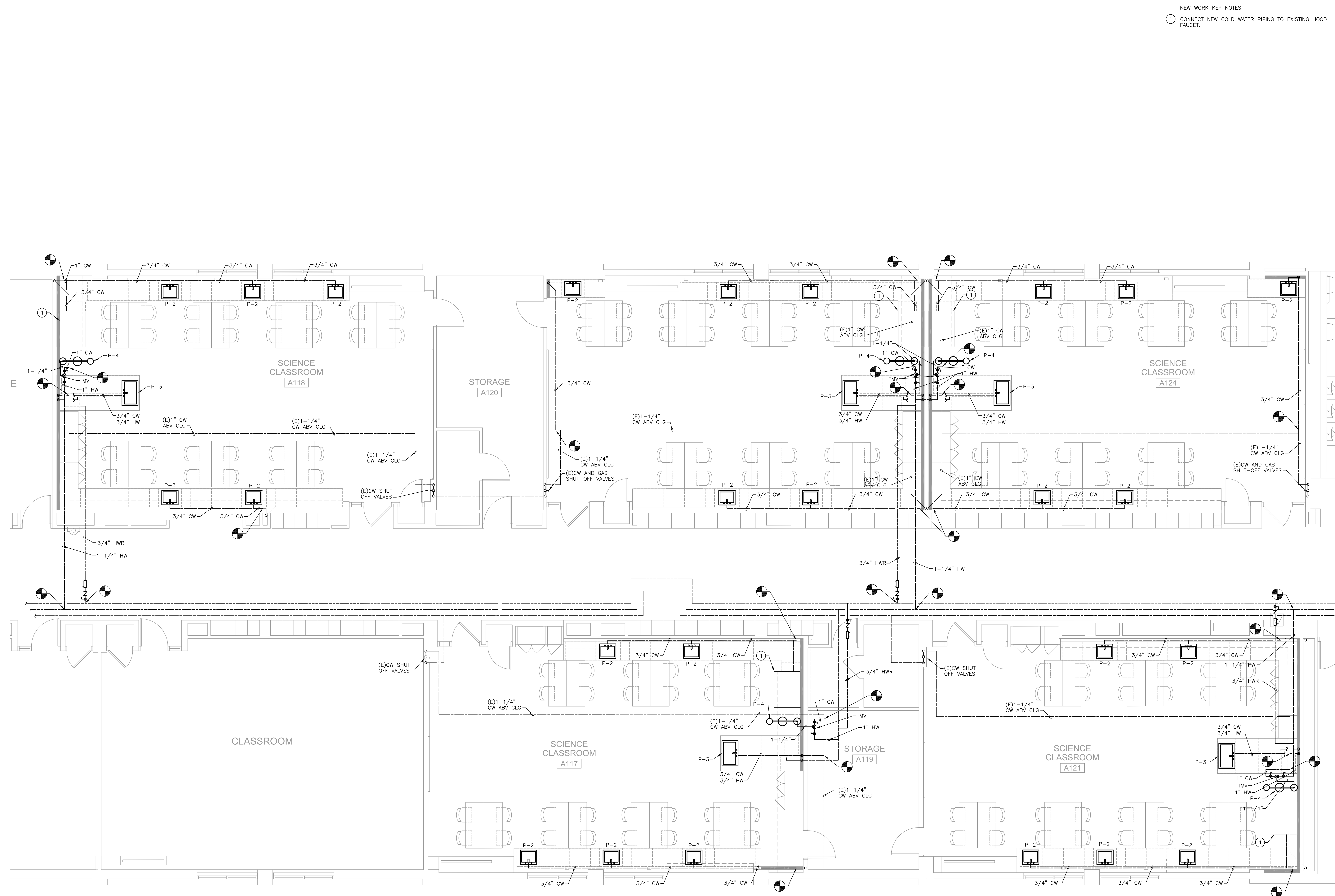
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REVISIONS	

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PLUMBING
DEMOLITION
PARTIAL
FLOOR PLANS

SHEET #	DP1.2
SCALE	AS NOTED
DATE	3-28-2025



NEW WORK KEY NOTES:
1. CONNECT NEW COLD WATER PIPING TO EXISTING HOOD FAUCET.

1. PLUMBING NEW WORK DOMESTIC - FIRST FLOOR PLAN
1/4"=1'-0"

STAMP

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ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET, MEDIA, PA 19063


REVISIONS	

DRAWN BY	
REVIEWED BY	
JOB #	2544
SHEET TITLE	

PLUMBING
NEW WORK
PARTIAL
FLOOR PLANS

SHEET #	
P1.3	

SCALE	AS NOTED
DATE	3-28-2025

- 
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308 NORTH OLIVE STREET MEDIA BA 10062

PLUMBING
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P1.4

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PLUMBING FIXTURE SCHEDULE										
NO.	DESCRIPTION	MOUNTING	TRAP	DRAIN	VENT	CW	HW	REMARKS	FLOW RATE	MANUFACTURER & MODEL NO.
P-1	FAMILY CONSUMER SCIENCE COOKING LAB SINK		"P"	1-1/2"	1-1/2"	1/2"	1/2"	ADA	1.5 GPM	ELKAY LUSTERTONE LRAD291855-3 DOUBLE BOWL DROP-IN SINK, ADA COMPLIANT, 18 GAUGE SS, 5-1/2" DEEP, DELTA COMMERCIAL 100LF-HDF SINGLE HANDLE, CHROME PLATED GOOSENECK FAUCET WITH 1.5GPM VANDAL RESISTANT AERATOR, PROVIDE WITH TAILPIECE, TRAP & ESCUTCHEONS, SS STRAINER BASKET WITH RUBBER STOPPER AND 1-1/2" SS TAILPIECE. PIPE TO COMPRESSION CHROME PLATED STOPS WITH HEAVY FLEXIBLE CHROME PLATED SUPPLY RISERS.
P-2	SCIENCE ROOM SINK		"P"	1-1/2"	1-1/2"	1/2"		ADA		SINK IS PART OF NEW CASEWORK. PROVIDE AND INSTALL CHICAGO FAUCETS MODEL 928-317SAM DECK-MOUNTED MANUAL LABORATORY FAUCET, SINGLE HOLE, SINGLE SUPPLY WITH LABORATORY NOZZLE. SS STRAINER BASKET WITH RUBBER STOPPER AND 1-1/2" SS TAILPIECE. PIPE TO COMPRESSION CHROME PLATED STOPS.
P-3	SCIENCE ROOM SINK		"P"	1-1/2"	1-1/2"	1/2"	1/2"			SINK IS PART OF NEW CASEWORK. PROVIDE AND INSTALL CHICAGO FAUCETS MODEL 930-VR369ABCP DECK-MOUNTED MANUAL LABORATORY FAUCET WITH LABORATORY NOZZLE. SS STRAINER BASKET WITH RUBBER STOPPER AND 1-1/2" SS TAILPIECE. PIPE TO COMPRESSION CHROME PLATED STOPS.
P-4	EYE WASH AND SHOWER	FLOOR		1-1/4"		1"	1"			GUARDIAN GBFVR1909 VANDAL-RESISTANT SAFETY STATION WITH WIDEAREA EYE/FACE WASH. 8" DIAMETER CHROME PLATED CAST BRASS SHOWER HEAD WITH 20 GPM FLOW CONTROL. FURNISHED WITH HORIZONTAL SUPPLY PIPE AND WALL ESUTCHEON, 1" IPS CHROME PLATED BRASS STAY-OPEN BALL VALVE WITH STAINLESS STEEL ACTUATING ARM AND 47-1/2" STAINLESS STEEL PULL ROD. FOUR VANDAL-RESISTANT GS-PLUS SPRAY HEADS. EACH HEAD HAS A BRASS BODY, STAINLESS STEEL "FLIP TOP" DUST COVER, INTERNAL FLOW CONTROL AND FILTER TO REMOVE IMPURITIES FROM THE WATER FLOW. PROVIDE WITH G3800LF THERMOSTATIC MIXING VALVE.
P-5	GAS TURRET DOUBLE	DECK								L SERIES LAB FITTINGS LGB1-11C-20 - TWINDECK-MOUNTED LABORATORY TURRET WITH BALL VALVE
P-6	GAS TURRET DOUBLE	WALL								L SERIES LAB FITTINGS LGB1-11C-65 - TWINDECK-MOUNTED LABORATORY TURRET WITH BALL VALVE
P-7	WASHER-BOX	IN-WALL	"P"	2"	2"	1/2"	1/2"			FURNISH AND INSTALL RECESSED, WHITE POWDER-COATED WASHER OUTLET BOX WITH BRASS QUARTER TURN HAMMER ARRESTER VALVES. UNIT SHALL BE GUY GRAY™ PRODUCT CODE CHECKED BELOW AS MANUFACTURED BY IPS CORPORATION. THE BRASS QUARTER TURN VALVES SHALL COMPLY WITH NSF61, NSF/ANSI 372, AND ASME A112.18.1/CSA B125.1 AND SHALL FEATURE WHITE HANDLE AND CHECK-MARK LOGO FOR EASY LEAD-FREE IDENTIFICATION.HAMMER ARRESTER SHALL COMPLY WITH ASSE 1010.

DRAIN AND SPECIALTY SCHEDULE				
NO.	DESCRIPTION	MOUNTING	REMARKS	MANUFACTURER & MODEL NO.
FD-A	FLOOR DRAIN	FLOOR	-	JAY R. SMITH MODEL 2005Y-03-NB FLOOR DRAIN, LIGHT DUTY, CAST IRON BODY, SEEPAGE FLANGE, ANCHOR FLANGE, CLAMPING DEVICE, BOTTOM OUTLET, NICKEL BRONZE TOP AND STRAINER, 5 INCH DIAMETER ROUND TOP. PROVIDE WITH CAST IRON P-TRAP WITH PROSET TRAP GUARD.

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PLUMBING
SCHEDULES

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P2.1

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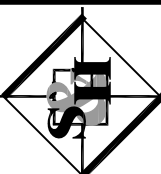
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ROOF

SECOND FLOOR



ROOF

FIRST FLOOR



ROOF

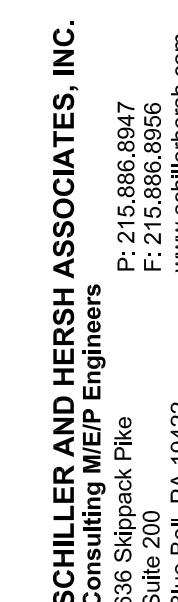


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FIRST FLOOR

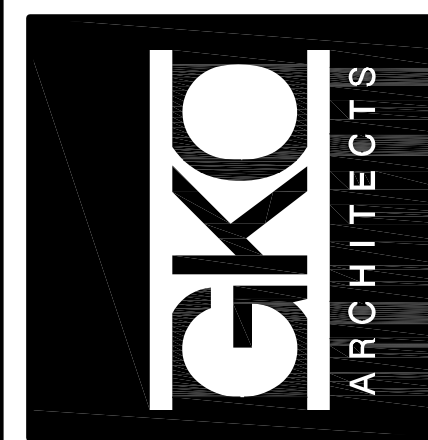


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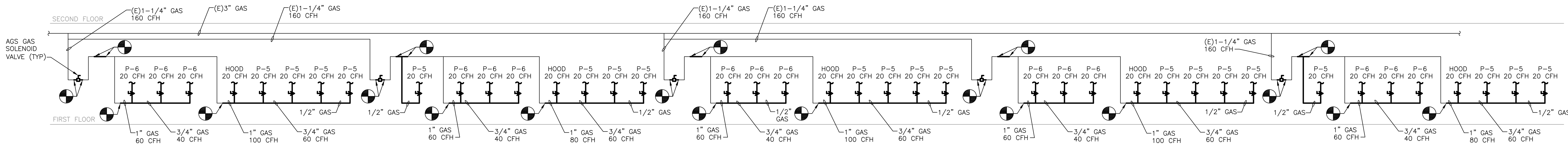
PLUMBING RISER DIAGRAMS

SHEET 11

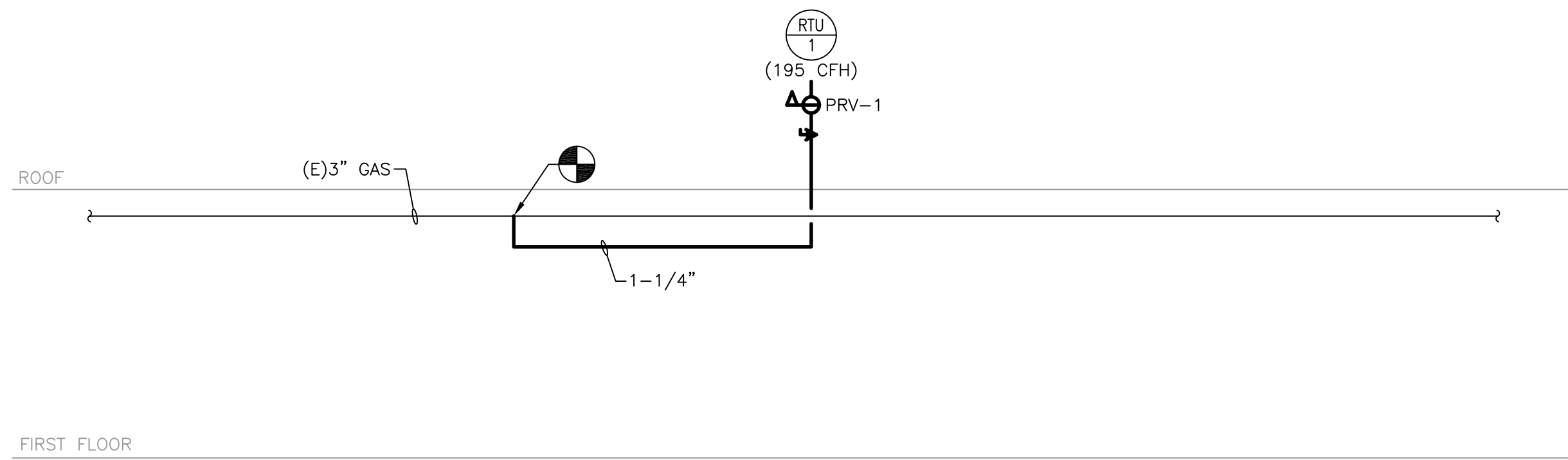
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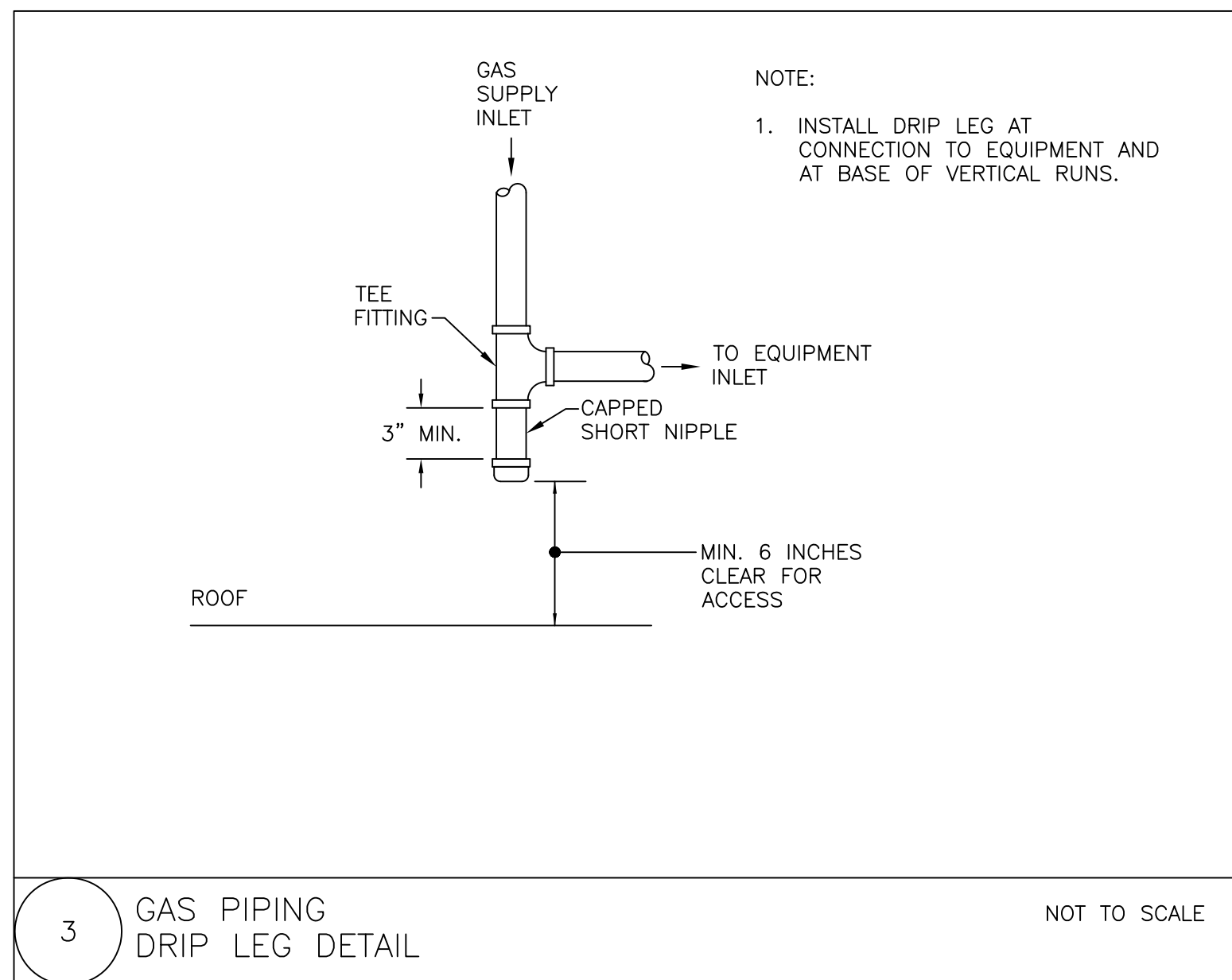
1 GAS RISER DIAGRAM - SCIENCE CLASSROOM A118, A122, A117, A121, & A124
NOT TO SCALE



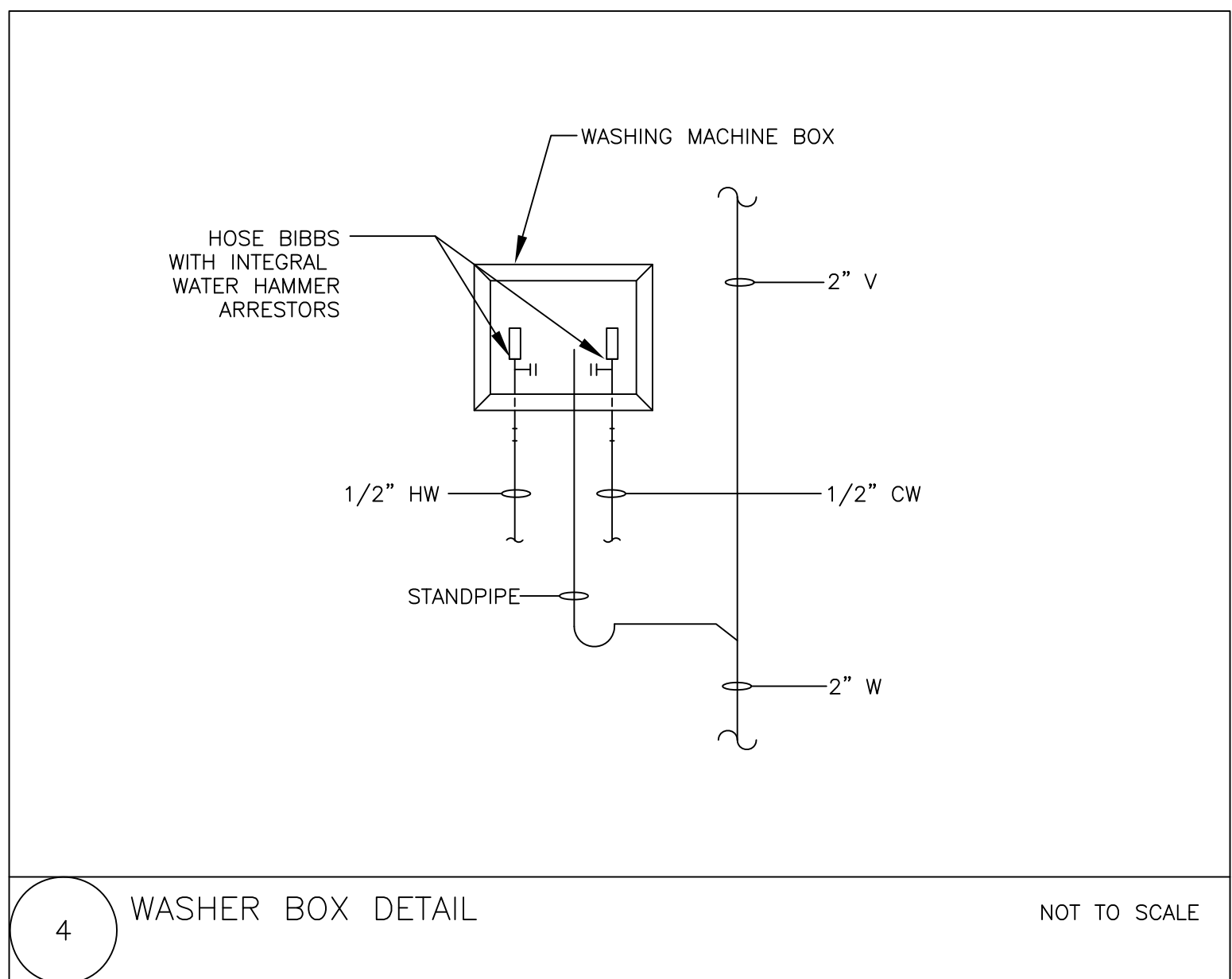
2 GAS RISER DIAGRAM - FAMILY CONSUMER SCIENCE COOKING LAB D125
NOT TO SCALE

GAS PRESSURE REGULATOR SCHEDULE							
UNIT TAG	SIZE, IN.	EQUIPMENT SERVED	MAX CAPACITY (CFH)	MAXIMUM INLET PRESSURE	OUTLET PRESSURE, IN. W.C.	SPRING RANGE, IN. W.C.	BASIS OF DESIGN MANUFACTURER AND MODEL NO.
PRV-1	1"	RTU'S	325	2 PSIG	10	7-11	MAXITROL 325-5

1. REFER TO PLANS FOR QUANTITIES.
2. PROVIDE ALL REGULATORS INSTALLED OUTSIDE WITH VENT PROTECTOR MAXITROL MODEL 13A15-5.

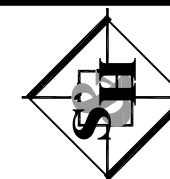


3 GAS PIPING DRIP LEG DETAIL
NOT TO SCALE



4 WASHER BOX DETAIL
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PLUMBING

RISER DIAGRAM,

SCHEDULE, &

DETAILS

SHEET #

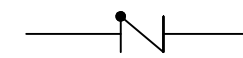
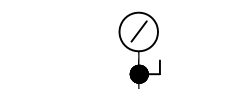
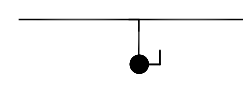

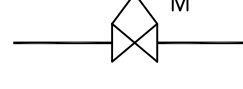
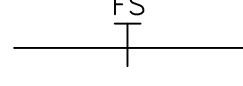
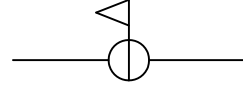
P3.2

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REQUIREMENT NOTES				GENERAL DEMOLITION NOTES				GENERAL NOTES							
<p>PART 1 – GENERAL</p> <p>1.1 DESCRIPTION:</p> <p>A. WORK INCLUDED:</p> <p>1. DESIGN, FABRICATE, INSTALL, AND SECURE REQUIRED APPROVALS FOR A COMPLETE FIRE PROTECTION AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING AND/OR AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION IN ACCORDANCE WITH PERTINENT REQUIREMENTS OF THE APPLICABLE CODES AND GOVERNMENTAL AGENCIES HAVING JURISDICTION.</p> <p>1.2 QUALITY ASSURANCE:</p> <p>A. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THIS SECTION.</p> <p>B. IN ADDITION, COMPLYING WITH PERTINENT CODES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION COMPLY WITH:</p> <p>1. RECOMMENDATIONS OF THE FIRE RATING BUREAU HAVING JURISDICTION.</p> <p>2. PERTINENT RECOMMENDATIONS CONTAINED IN NFPA 13 "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS."</p> <p>1.3 SUBMITTALS:</p> <p>A. SPRINKLER CONTRACTOR SHALL PROVIDE PIPING MAINS WITH SIZES AS SHOWN, OR LARGER (WHEN SHOWN) AND WITH BRANCH PIPING SIZED AS REQUIRED BY SPRINKLER CONTRACTORS HYDRAULIC CALCULATIONS. SPRINKLER CONTRACTOR SHALL PREPARE SHOP DRAWINGS IN ACCORDANCE WITH NFPA 13 IDENTIFIED AS WORKING PLANS INCLUDING HYDRAULIC CALCULATIONS. THIS SUBMITTAL SHALL BE DESIGNED BY AND SIGNED AND SEALED BY A PENNSYLVANIA LICENSED PROFESSIONAL ENGINEER WHO SHALL BECOME THE "ENGINEER OF RECORD" FOR THE FINAL FIRE SPRINKLER/STANDPIPE SYSTEMS, SO DESIGNED. THE SPRINKLER CONTRACTOR SHALL SUBMIT THE WORKING PLANS AND CALCULATIONS TO THE ENGINEER FOR GENERAL SCOPE REVIEW PRIOR TO SUBMITTING TO THE AUTHORITIES HAVING JURISDICTION. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMISSION OF SHOP DRAWINGS, SPECIFICATIONS, WATER SUPPLY DATA, HYDRAULIC CALCULATIONS, ETC. FOR THE AUTOMATIC FIRE SPRINKLER SYSTEMS TO BE INSTALLED.</p> <p>B. PRODUCT DATA:</p> <p>1. THE FOLLOWING ITEMS ARE TO BE SUBMITTED:</p> <p>a. MATERIALS LIST OF ITEMS PROPOSED UNDER THIS SECTION.</p> <p>b. STAMPED DESIGN DRAWINGS SHOWING THE COMPLETE OVERHEAD SPRINKLER SYSTEM AND INDICATING CEILING AIR DIFFUSERS, LIGHTING FIXTURES, AND BEAMS.</p> <p>c. DETAILS AND SECTIONS AS REQUIRED TO CLARIFY THE DESIGN.</p> <p>C. RECORD DRAWINGS:</p> <p>1. INCLUDE A COPY OF THE RECORD DRAWINGS IN EACH COPY OF THE OPERATION AND MAINTENANCE MANUAL DESCRIBED BELOW.</p> <p>PART 2 – PRODUCTS DESIGN:</p> <p>2.1 PROVIDE A DESIGN WHICH IS COMPLETE IN ALL REGARDS INCLUDING, BUT NOT NECESSARILY LIMITED TO:</p> <p>A. CONNECTION TO UTILITY MAIN INCLUDING REQUIRED VALVES, FITTINGS, AND SIMILAR ITEMS.</p> <p>B. OVERHEAD SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL PROVIDE PIPING MAINS WITH SIZES AS SHOWN, OR LARGER (WHEN SHOWN), WITH BRANCH PIPING SIZED AS REQUIRED BY SPRINKLER CONTRACTORS HYDRAULIC CALCULATIONS.</p> <p>1. SPRINKLER CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR EACH TYPE SPRINKLER HEAD, VALVE, PIPING SPECIALTY, AND FIRE PROTECTION SPECIALTY.</p> <p>2. SPRINKLER PROTECTION SHALL BE BASED ON LIGHT HAZARD OCCUPANCY FOR CLASSROOMS, CORRIDORS, ETC. AND ORDINARY HAZARD OCCUPANCY FOR STORAGE, STAGES, KITCHENS, AND EQUIPMENT ROOMS.</p> <p>2.2 ARRANGEMENT:</p> <p>A. IN AREAS HAVING CEILINGS, CONCEAL ALL PIPES.</p> <p>B. IN STORAGE AND SERVICE AREAS, PIPES MAY BE EXPOSED BUT HOLD TO THE MINIMUM PRACTICABLE DISTANCE BELOW THE CEILING.</p> <p>2.3 MATERIALS:</p> <p>A. SPRINKLER HEADS:</p> <p>1. ABOVE CEILINGS AND/OR IN AREAS WITHOUT FINISHED CEILINGS, PROVIDE STANDARD UPRIGHT TYPE.</p> <p>2. SPRINKLERS IN ATC OR GYPSUM CEILINGS, PROVIDE CONCEALED PENDANT TYPE SPRINKLER HEADS WITH WHITE COVER PLATE.</p> <p>B. PROVIDE SUPPORTS, HANGERS, INSERTS, AND ASSOCIATED ITEMS TO PROPERLY SUPPORT SPRINKLER PIPING IN ACCORDANCE WITH PERTINENT PROVISIONS OF NFPA 13.</p> <p>C. VALVE SEALS, SIGNS, TAGS, AND CHARTS:</p> <p>1. SEALS: PROVIDE BRASS CROSS-LINKS CHAIN. ALL BRASS PADLOCK AND TWO KEYS FOR EACH MANUALLY OPERATED SHUTOFF VALVE REQUIRED TO BE SEALED IN THE OPEN POSITION.</p> <p>2. SIGNS: PROVIDE IDENTIFICATION SIGNS OF STANDARD DESIGN, FASTENED SECURELY AT DESIGNATED LOCATIONS IN ACCORDANCE WITH NFPA 13. PROVIDE PERMANENT ENGRAVED STEEL PLACARD CHAINED TO SPRINKLER VALVE WITH HYDRORAUIC "BASIS OF DESIGN."</p> <p>3. TAGS: PROVIDE 2" DIAMETER BRASS TAGS, STAMPED WITH DESIGNATION NUMBERS, AND ATTACHED WITH 12 GAGE COPPER WIRE TO SPINDLE OF THE CONTROL VALVES.</p>				<p>4. CHARTS:</p> <p>a. PROVIDE TWO COPIES OF THE APPROVED "AS-BUILT" SPRINKLER SYSTEM DIAGRAM AND VALVE CHART GIVING DESIGNATION NUMBER, FUNCTION, AND LOCATION OF EACH VALVE.</p> <p>2.4 OTHER MATERIALS:</p> <p>A. PROVIDE OTHER MATERIALS NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ARCHITECT.</p> <p>B. FURNISH EXTRA SPRINKLER HEADS AND SPRINKLER HEAD CABINETS WITH ASSOCIATED WRENCHES PER THE FOLLOWING SCHEDULE:</p> <p>1. FOR SYSTEMS HAVING LESS THAN 300 SPRINKLERS, NOT FEWER THAN 6 SPRINKLERS.</p> <p>2. FOR SYSTEMS WITH 300 TO 1000 SPRINKLERS, NOT FEWER THAN 12 SPRINKLERS.</p> <p>3. FOR SYSTEMS WITH OVER 1000 SPRINKLERS, NOT FEWER THAN 24 SPRINKLERS.</p> <p>C. PROVIDE INSPECTORS TEST CONNECTIONS AND DRAINS ACCORDING TO NFPA 13.</p> <p>D. PROVIDE FLOW SWITCHES, PRESSURE GAUGES, AND SUPERVISORY SWITCHES PER NFPA 13.</p> <p>PART 3 – EXECUTION</p> <p>3.1 SURFACE CONDITIONS:</p> <p>A. EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.</p> <p>B. SPRINKLER CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING IN ALL AREAS AS REQUIRED UNDER THIS CONTRACT. PATCH ALL WALL, CEILING, AND FLOOR OPENINGS AS NECESSARY.</p> <p>3.2 INSTALLATION:</p> <p>A. COORDINATE AS NECESSARY WITH OTHER TRADES TO ASSURE PROPER AND ADEQUATE PROVISION IN THE WORK OF THOSE TRADES FOR INTERFACE WITH THE WORK OF THIS SECTION.</p> <p>B. INSTALL THE WORK OF THIS SECTION IN STRICT ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS AND THE REQUIREMENTS OF THE FIRE MARSHAL, GOVERNMENTAL AGENCIES, AND FIRE SUBCODE OFFICIAL.</p> <p>C. PROVIDE HOODS OR SHIELDS ABOVE ALL ELECTRICAL EQUIPMENT IN ELECTRIC ROOMS.</p> <p>D. THE SPRINKLER CONTRACTOR SHALL MAKE AN ALLOWANCE TO INSTALL A MINIMUM OF 10% ADDITIONAL SPRINKLER HEADS TO BE INSTALLED AS TO PROVIDE ADEQUATE COVERAGE DUE TO ANY MECHANICAL AND/OR ARCHITECTURAL OBSTRUCTIONS, DUCTWORK, PIPING, ETC. INSTALLED DURING CONSTRUCTION WHICH MAY ALTER THE ORIGINAL SPRINKLER DESIGN.</p> <p>E. SPRINKLER CONTRACTOR SHALL DESIGN SPRINKLER PIPING TO INCLUDE A 10% MARGIN OF SAFETY FOR BOTH AVAILABLE WATER FLOW AND PRESSURE.</p> <p>F. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIREWALLS AND WALLS WHICH REQUIRE SEALING. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL PENETRATIONS WITH THROUGH PENETRATION FIRE STOPPING. PROVIDE CODE APPROVED FIRE STOP SYSTEMS AT ALL OPENINGS. PENETRATION FIRESTOPPING INSTALLATION MUST MEET REQUIRED ASTM E814 AND UL1479 TESTED ASSEMBLIES, THAT PROVIDE A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.</p> <p>3.3 TESTING AND ACCEPTANCE:</p> <p>A. UPON COMPLETION OF THE INSTALLATION, PROVIDE NECESSARY PERSONEL AND EQUIPMENT AND TEST AND RETEST THE COMPLETE SYSTEM, MAKING ADJUSTMENTS AS REQUIRED, AND SECURE ALL NECESSARY APPROVALS.</p> <p>B. WHEN THE SYSTEM HAS BEEN COMPLETELY APPROVED, SECURE A LETTER OF FINAL ACCEPTANCE FROM THE FIRE SUBCODE OFFICIAL, AND FORWARD TWO COPIES OF THE LETTER TO THE ARCHITECT.</p> <p>C. SPRINKLER CONTRACTOR SHALL FLUSH, TEST, AND INSPECT SPRINKLER PIPING SYSTEM ACCORDING TO NFPA 13.</p> <p>D. SPRINKLER CONTRACTOR SHALL PROVIDE ALL REQUIRED TESTING OF WATER SUPPLIES FOR POTENTIAL (MIC) MICROBIOLOGICALLY INFLUENCED CORROSION PER NFPA 13 (WATER SUPPLY TREATMENT).</p>				<p>1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.</p> <p>2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.</p> <p>3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.</p> <p>4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.</p> <p>5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.</p> <p>6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.</p> <p>7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.</p> <p>8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.</p> <p>9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.</p> <p>10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.</p> <p>11. EXTREME CARE SHALL BE EXERCISED FOR ALL EXISTING ITEMS THAT ARE TO REMAIN IN SERVICE UNTIL NEW ITEMS ARE INSTALLED FOR THE SAME SERVICE. ALL SHUTDOWNS OF ANY SYSTEM SHALL BE COORDINATED WITH THE OWNER.</p> <p>12. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK</p>				<p>1. THE FOLLOWING NOTES APPLY TO ALL FIRE PROTECTION DRAWINGS.</p> <p>2. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 13-2016 AND ALL OTHER APPLICABLE CODES AND STANDARDS.</p> <p>3. ALL DRAWINGS ARE DIAGRAMMATIC. FIRE PROTECTION CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.</p> <p>5. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF CONSTRUCTION. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF SPRINKLER PIPING AT NO ADDITIONAL COST.</p> <p>6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COORDINATION DRAWINGS SHOWING ALL TRADES, NO EQUIPMENT, PIPING, DUCTWORK, ETC. IS TO BE INSTALLED WITHOUT APPROVAL BY THE ENGINEER.</p> <p>7. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.</p> <p>8. FIRE PROTECTION CONTRACTOR SHALL PROVIDE FIREPROOF PIPE SLEEVES AT ALL NEW PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.</p> <p>9. INDICATED SPRINKLER HEAD AND PIPING ARE DIAGRAMMATIC. CONTRACTOR SHALL DETERMINE ALL REQUIRED LOCATIONS AND BRANCH/MAIN DIRECTION CHANGES BEFORE FABRICATION AND INSTALLATION TO AVOID INTERFERENCE WITH OTHER TRADES AND EXISTING STRUCTURES.</p> <p>10. UNLESS OTHERWISE NOTED, ALL SPRINKLER PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB/STEEL.</p> <p>11. WHERE SPRAY FIREPROOFING MATERIAL IS REMOVED THAT IS INTEGRAL TO THE RATING OF THE EXISTING STRUCTURAL MEMBER OR FIRE-RATED ASSEMBLY, THE MATERIAL SHALL BE REPLACED SO THAT THE RATING IS PRESERVED.</p>			
								LIST OF DRAWINGS							
								FP0.1 FIRE PROTECTION COVER SHEET FPD1.1 FIRE PROTECTION DEMOLITION PARTIAL FLOOR PLANS FP1.1 FIRE PROTECTION NEW WORK PARTIAL FLOOR PLANS							
SYMBOL AND ABBREVIATION LEGEND															
BFP	BACK FLOW PREVENTER	MC	MECHANICAL CONTRACTOR		CHECK VALVE										
CA	COMPRESSED AIR	M	MONITORED		PRESSURE GAUGE WITH COCK										
DN	DOWN	N	NEW WORK		DRAIN VALVE WITH HOSE THREAD										
DW	DISHWASHER	NC	NORMALLY CLOSED		BACK FLOW PREVENTER										
EC	ELECTRICAL CONTRACTOR	NO	NORMALLY OPEN		OS & Y VALVE (M DENOTES MONITORED VALVE)										
FD-A	FLOOR DRAIN	NTS	NOT TO SCALE		FLOW SWITCH										
FS	FLOW SWITCH	NIC	NOT IN CONTRACT		PRESSURE REDUCING VALVE										
GC	GENERAL CONTRACTOR	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE												
MAX	MAXIMUM	PC	PLUMBING CONTRACTOR												
MIN	MINIMUM	PRV	PRESSURE REDUCING VALVE												
		TYP	TYPICAL												

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ROSE TREE MEDIA

SCHOOL DISTRICT

CAPITAL IMPROVEMENT

PROJECTS 2025

308 NORTH OLIVE STREET, MEDIA, PA 19063

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DRAWN BY

REVIEWED BY

JOB #

SHEET TITLE

2544

FIRE PROTECTION
COVER SHEET

SCALE

DATE

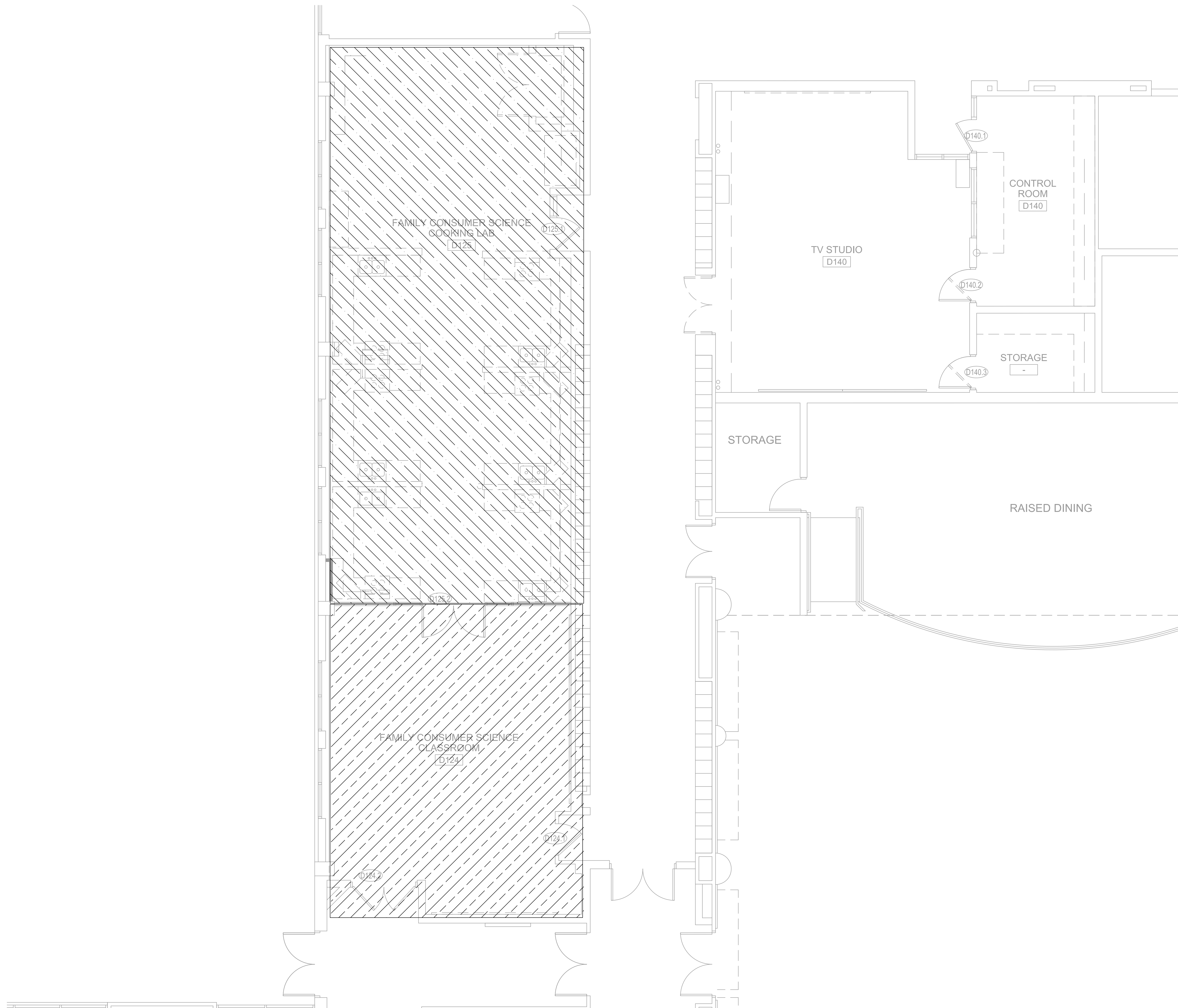
AS NOTED

3-28-2025

FP0.1

1. REFER TO DRAWING FP0.1 FOR GENERAL NOTES, ABBREVIATIONS, SYMBOLS, ETC.

REMOVE ALL SPRINKLER HEADS TO ALLOW
INSTALL OF NEW SPRINKLER HEADS WITH
FLEXIBLE HOSE IN NEW WORK CEILING GRID.
SPRINKLER MAINS & BRANCHES TO REMAIN
EXISTING.



1 FIRE PROTECTION DEMOLITION - FIRST FLOOR PLAN
1/4" = 1'-0"

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39

MEET TITLE

FIRE PROTECTION
DEMOLITION
PARTIAL
FLOOR PLANS

SHEET 14

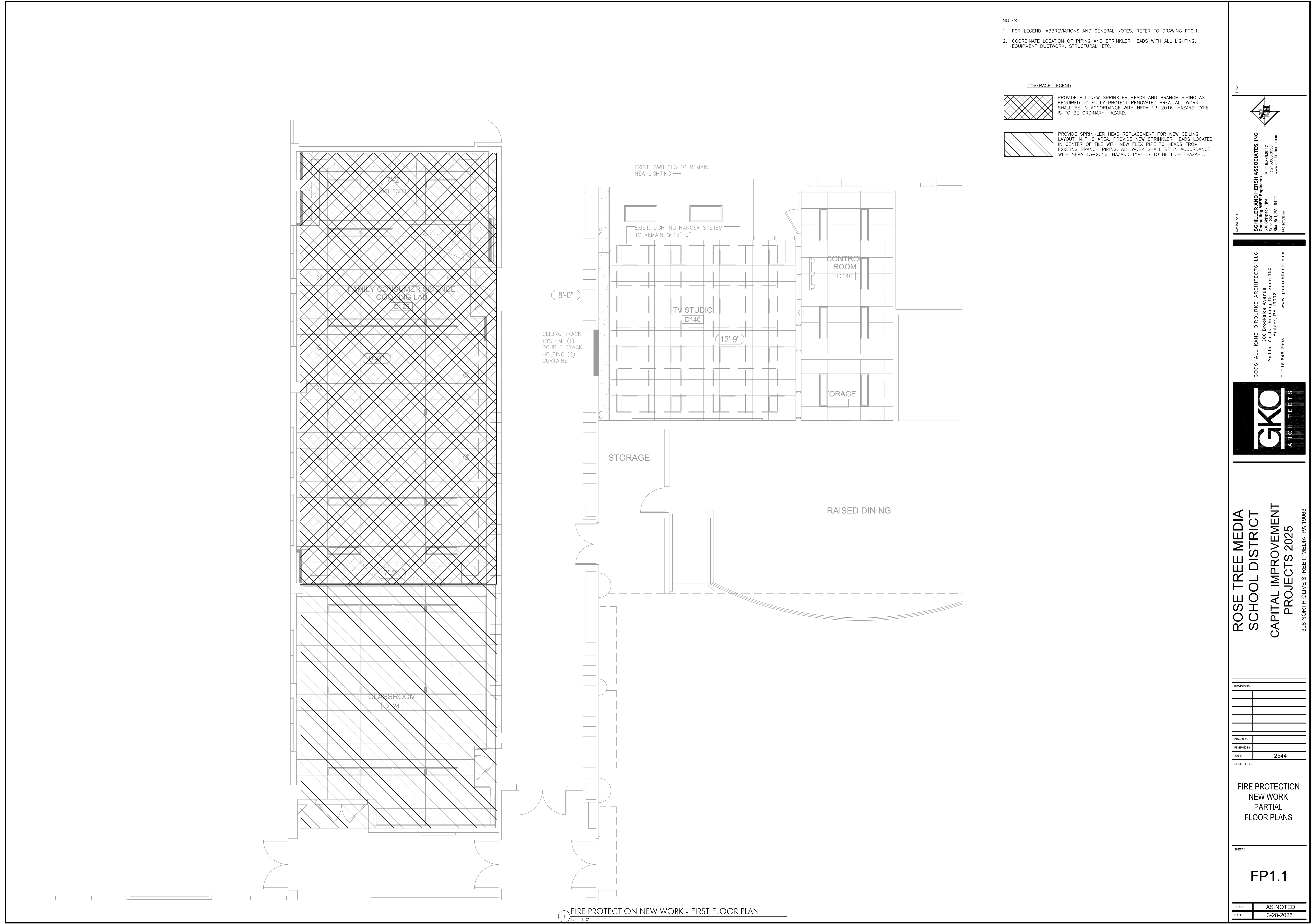
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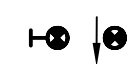
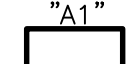




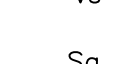
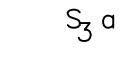
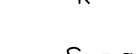
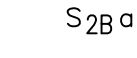
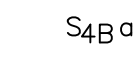
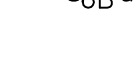

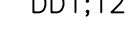



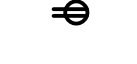
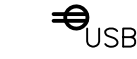
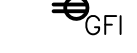
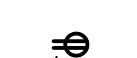


















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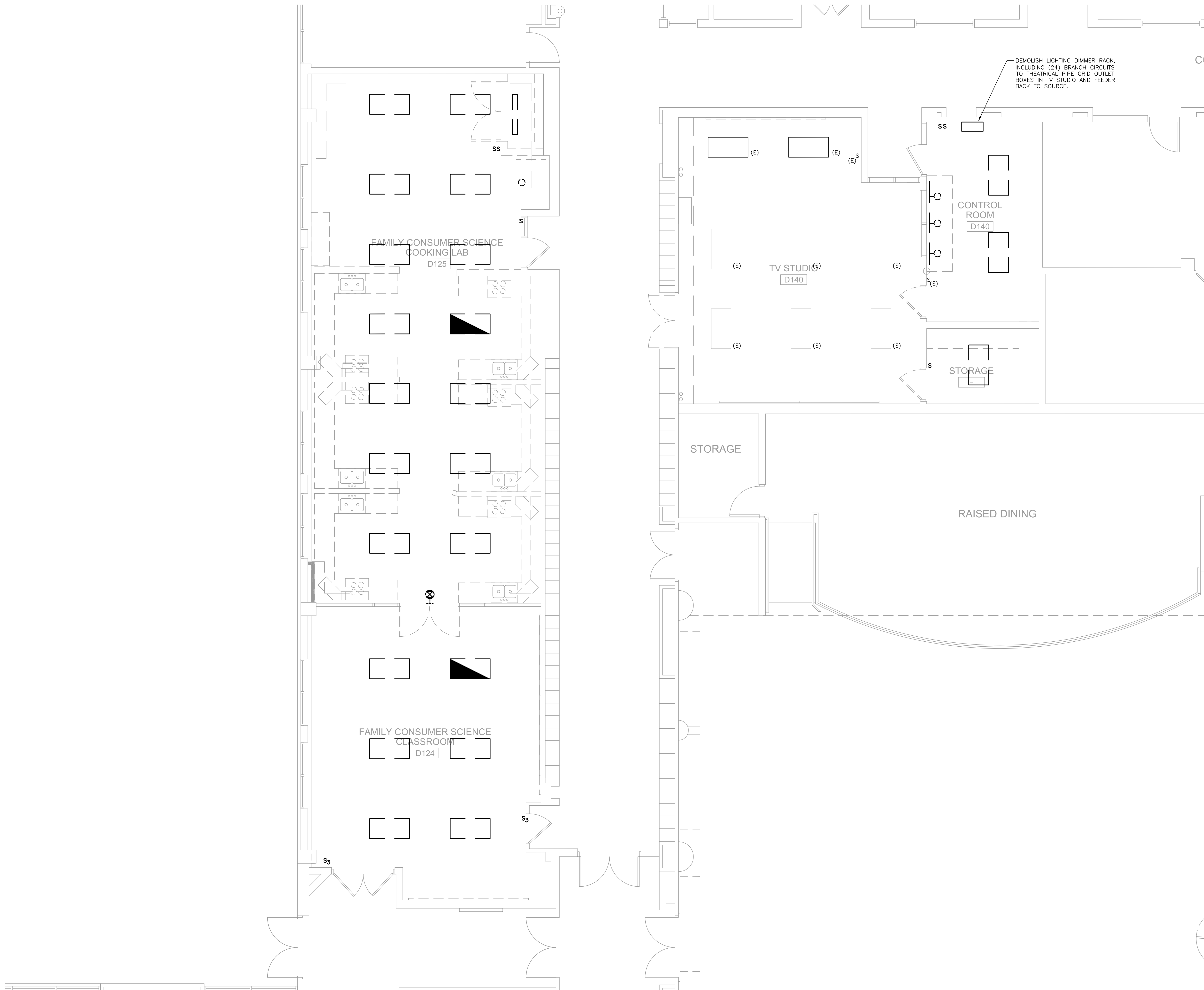
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SYMBOL LIST		ABBREVIATIONS LIST				GENERAL NOTES	
	EXIT SIGNS (CONTRACTOR TO COORDINATE # OF FACES AND THE FINAL MOUNTING REQUIREMENTS). PROVIDE STEM MOUNTING WHERE REQUIRED IN AREAS WITH EXPOSED CEILINGS AND STORE FRONT WALLS.	1P	ONE POLE	DWG	DRAWING	MCA	MINIMUM CIRCUIT AMPACITY
	LED LIGHT FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE ON E1.3 FOR DETAILS ON ALL LIGHTING FIXTURES TYPES.	2P	TWO POLE	DVR	DIGITAL VIDEO RECORDER	MCB	MAIN CIRCUIT BREAKER
	LED LIGHT FIXTURE PROVIDING NORMAL/EMERGENCY LIGHTING VIA EMERGENCY GENERATOR. LIGHTING CONTROL OF THESE FIXTURES TO INCLUDE UL924 BYPASS DEVICES AND UL1008 TRANSFER SWITCH DEVICES AND A 0-10V EMERGENCY BYPASS CONTROLLER FOR OVERRIDE LIGHTING CONTROL TO TURN ON FIXTURES TO FULL BRIGHTNESS IN THE EVENT OF NORMAL POWER OUTAGE.	3P	THREE POLE	(E)	EXISTING	MDF	MAIN DISTRIBUTION FRAME
	LIGHTING CIRCUITING INFORMATION. IN THIS EXAMPLE, EC SHALL WIRE FIXTURE TO CIRCUIT #2, VIA SWITCH LEG "a".	Ø	PHASE	EC	ELECTRICAL CONTRACTOR	MDP	MAIN DISTRIBUTION PANEL
	CEILING MOUNTED SENSOR AND ASSOCIATED ROOM CONTROLLERS. IN THIS EXAMPLE, SENSOR SHALL CONTROL FIXTURES ON SWITCH LEG "a". OCCUPANCY OR VACANCY CONTROL DETERMINED BY LIGHTING CONTROL SCHEDULE ON DRAWING E1.3	A	AMPERE	EMH	ELECTRICAL POWER MANHOLE	MH	MANHOLE
	DAYLIGHT SENSOR. DAYLIGHT CONTROL ZONES ARE IDENTIFIED ON THE DRAWINGS BY "DZ1" DAYLIGHT ZONE #1 AND "DZ2" DAYLIGHT ZONE #2.	A/V	AUDIO/VISUAL	EOF	ELECTRICAL OUT OF FLOOR	MLO	MAIN LUGS ONLY
	WALL MOUNTED SWITCH TYPE VACANCY SENSOR. MOUNT AT 48" AFF (TOP OF BOX).	A/C	AIR CONDITIONING	EOW	ELECTRICAL OUT OF WALL	MTD	MOUNTED
	SINGLE POLE SWITCH, CONTROLLING SWITCH LEG "a". MOUNT AT 48" AFF (TOP OF BOX).	ACT	ARCHITECTURAL CEILING TILE	ERMS	ENERGY REDUCTION MAINTENANCE SWITCH	(N)	NEW
	THREE WAY SWITCH, CONTROLLING SWITCH LEG "a". MOUNT AT 48" AFF (TOP OF BOX).	AF	AMP FRAME	ESM	ENGINE START MONITORING MODULE	N/E	WIRED ON NORMAL/ EMERGENCY CIRCUIT
	ONE BUTTON DIGITAL SMART SWITCH WITH LED STATUS, CONTROLLING SWITCH LEG "a". MOUNT AT 48" AFF (TOP OF BOX).	AFC	ABOVE FINISHED CEILING	ETR	EXISTING TO REMAIN	NVR	NETWORK VIDEO RECORDER
	TWO BUTTON DIGITAL SMART SWITCH WITH LED STATUS, CONTROLLING SWITCH LEG "a". EACH BUTTON TO HAVE FULLY PROGRAMMABLE FUNCTIONS. MOUNT AT 48" AFF (TOP OF BOX).	AFF	ABOVE FINISHED FLOOR	FA	FIRE ALARM	NIC	NOT IN CONTRACT
	FOUR BUTTON DIGITAL DIMMER SWITCH, CONTROLLING SWITCH LEG "a" ON/OFF/RAISE/LOWER FUNCTIONS. MOUNT AT 48" AFF (TOP OF BOX).	AFG	ABOVE FINISHED GRADE	FACP	FIRE ALARM CONTROL PANEL	OCC	OCCUPANCY
	SIX BUTTON DIGITAL SMART SWITCH WITH LED STATUS, CONTROLLING SWITCH LEGS "a" & "b". EACH BUTTON TO HAVE FULLY PROGRAMMABLE FUNCTIONS. MOUNT AT 48" AFF (TOP OF BOX).	AL	ALUMINUM	FLA	FULL LOAD AMPS	OOF	OUT OF FLOOR
	LIGHTING CIRCUITING INFORMATION. IN THIS EXAMPLE, WIRE FIXTURE TO EXISTING CIRCUIT VIA SWITCH LEG "a" AND CONTROLLED BY DAY LIGHTING ZONE #1.	AT	AMP TRIP	FOH	FRONT OF HOUSE	OOW	OUT OF WALL
	ELECTRICAL CIRCUITING INFORMATION. IN THIS EXAMPLE, EC SHALL WIRE DEVICE TO CIRCUIT #12 IN PANEL "DD1".	ATC	AUTOMATIC TEMPERATURE CONTROL	FPC	FIRE PROTECTION CONTRACTOR	PA	PUBLIC ADDRESS
	LIGHTING CONTROL INFORMATION. PROVIDE ALL PARTS AND PIECES TO CONTROL LIGHTS IN THE SPACES AS NOTED IN THE LIGHTING CONTROL SCHEDULE. REFER TO DWG E1.3.	ATS	AUTOMATIC TRANSFER SWITCH	FU	FUSE	PC	PLUMBING CONTRACTOR
	WIRING & CONDUIT CONCEALED ABOVE HUNG CEILING	A/V	AUDIO/VISUAL	GC	GENERAL CONTRACTOR	(RAR)	REMOVE AND REINSTALL
	EXISTING ELECTRICAL PANEL	BET	BUILDING ENTRANCE TERMINAL	GFI	GROUND FAULT INTERRUPTER	(REL)	RELOCATE/RELOCATED
	JUNCTION BOX	BFC	BELOW FINISHED CEILING	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	S	SINGLE POLE SWITCH
	DUPLEX CONVENIENCE TAMPER RESISTANT RECEPTACLE WALL MOUNTED AT 18" AFF. RECEPTACLES MOUNTED ABOVE STANDARD HEIGHT TO BE MOUNTED HORIZONTAL ORIENTATION, UNLESS OTHERWISE NOTED.	BFF	BELOW FINISHED FLOOR	GND	GROUND	SPD	SURGE PROTECTIVE DEVICE
	DUPLEX CONVENIENCE TAMPER RESISTANT RECEPTACLE WITH TYPE A & C USB CHARGING PORTS. WALL MOUNTED AT 18" AFF. RECEPTACLES MOUNTED ABOVE STANDARD HEIGHT TO BE MOUNTED HORIZONTAL ORIENTATION, UNLESS OTHERWISE NOTED.	BTC	BRANCH TO CIRCUIT	GP	GENERAL PURPOSE	SR	SIMPLEX RECEPTACLE
	DUPLEX CONVENIENCE WEATHER RESISTANT, TAMPER RESISTANT RECEPTACLE WITH GROUND FAULT INTERRUPTER, WALL MOUNTED AT 18" AFF. RECEPTACLES MOUNTED ABOVE STANDARD HEIGHT TO BE MOUNTED HORIZONTAL ORIENTATION, UNLESS OTHERWISE NOTED.	C	CONDUIT	HP	HORSEPOWER	ST	SHUNT TRIP
	DUPLEX CONVENIENCE TAMPER--RESISTANT GFCI RECEPTACLE, PEDESTAL MOUNTED ON TOP OF TABLE. PEDESTAL SHALL BE EQUAL TO LEGRAND #LBP2. WHERE SHOWN WITH TWO RECEPTACLES INSTALLED BACK-TO-BACK (180° FROM EACH OTHER) TWO RECEPTACLES SHALL BE INSTALLED IN THE SAME PEDESTAL. WHERE SHOWN WITH TWO RECEPTACLES FACING THE SAME DIRECTION, PROVIDE TWO SEPARATE PEDESTALS AND MOUNT DIRECTLY ADJACENT TO EACH OTHER.	C/B	CIRCUIT BREAKER	IDF	INTERMEDIATE DISTRIBUTION FRAME	SWBD	SWITCHBOARD
	QUAD CONVENIENCE TAMPER RESISTANT RECEPTACLE WALL MOUNTED AT 18" AFF. UNLESS OTHERWISE NOTED.	CCTV	CLOSED CIRCUIT TELEVISION	IG	ISOLATED GROUND	S3	THREE WAY SWITCH
	SPECIAL RECEPTACLE, REFER TO PLANS AND SCHEDULES FOR NEMA CONFIGURATION TYPE.	CKT	CIRCUIT	IR	INFRARED	Sk	KEY OPERATED SWITCH
	ELECTRICAL EMERGENCY SHUT--DOWN MANUAL PUSHBUTTON FOR SCIENCE LAB POWER SHUTOFF, KEY--TO--RESET WITH PROTECTIVE COVER. PROVIDE PUSHBUTTON EQUAL TO STI MFG #SS20302A--EN WITH CUSTOM TEXT TO READ "POWER/GAS SHUTOFF", WITH ACCESSORY #KIT--E10197H (1)N.O. & (1)N.C. CONTACTS. MOUNT AT 48" AFF TO TOP OF DEVICE. REFER TO WIRING DIAGRAM ON DRAWING E2.2 FOR WIRING.	CM	CONSTRUCTION MANAGER	JB	JUNCTION BOX	(TYP)	TYPICAL
	MANUAL PULL STATION WITH LEXAN PROTECTIVE COVER WITHOUT AUDIBLE HORN. SURFACE MOUNT DEVICES SHALL BE INSTALLED ON FIRE ALARM MANUFACTURER'S SURFACE BACKBOX. FOR PUBLIC SPACES, INSTALL WIRING IN NEW SURFACE METALLIC RACEWAY (WIREMOLD) ON THE WALLS.	CMH	COMMUNICATIONS MANHOLE	KEC	KITCHEN EQUIPMENT CONTRACTOR	V	VOLT
	FIRE ALARM SPEAKER AND STROBE, CEILING MOUNT.	CR	CONVENIENCE RECEPTACLE	KVA	KILOVOLT AMPERE	W	WATT
	FIRE ALARM STROBE (CEILING MOUNT).	CT	CURRENT TRANSFORMER	KW	KILOWATT	WG	WIRE GUARD
	FIRE ALARM SPEAKER, CEILING MOUNT.	DFA	DOWN FROM ABOVE	LLC	WIRE TO LOCAL LIGHTING CIRCUIT	WP	WEATHERPROOF
	FIRE ALARM SPEAKER AND STROBE (WALL MOUNT AT MIN 80" AFF OR MAX 96" AFF TO BOTTOM OF DEVICE). SURFACE MOUNT DEVICES SHALL BE INSTALLED ON FIRE ALARM MANUFACTURER'S SURFACE BACKBOX. FOR PUBLIC SPACES, INSTALL WIRING IN NEW SURFACE METALLIC RACEWAY (WIREMOLD) ON THE WALLS.	DN	DOWN	LSI	LONG TIME, SHORT TIME AND INSTANTANEOUS PROTECTION	WWF	WELDED WIRE FABRIC
	FIRE ALARM STROBE (WALL MOUNT AT MIN 80" AFF OR MAX 96" AFF TO BOTTOM OF DEVICE). SURFACE MOUNT DEVICES SHALL BE INSTALLED ON FIRE ALARM MANUFACTURER'S SURFACE BACKBOX. FOR PUBLIC SPACES, INSTALL WIRING IN NEW SURFACE METALLIC RACEWAY (WIREMOLD) ON THE WALLS.	DR	DUPLEX RECEPTACLE	MC	MECHANICAL CONTRACTOR		
	SMOKE DETECTOR						
	MULTI--CRITERIA DETECTOR WITH THERMAL, SMOKE, AND CARBON MONOXIDE DETECTION WITH SOUNDER BASE.						
	INTERFACE ADDRESSABLE MODULE FOR FIRE ALARM SYSTEM						
	DUCT DETECTOR						
	DUCT SMOKE DETECTOR LED KEYED REMOTE TEST STATION MOUNTED IN ACCESSIBLE CEILING. PROVIDE (1) TEST STATION PER DUCT DETECTOR. LABEL WITH ASSOCIATED MECHANICAL EQUIPMENT NAME AND WHETHER SUPPLY OR RETURN. LOCATE REMOTE INDICATING LIGHT/TEST SWITCH ASSOCIATED WITH EACH DUCT SMOKE DETECTOR. COORDINATE FINAL LOCATIONS WITH ARCHITECT. <ul style="list-style-type: none">• MOUNTED IN ACCESSIBLE CEILING.• WHERE LOCATED IN AREAS WITHOUT ACCESSIBLE CEILING MOUNT RECESSED ON THE WALL AT 80" UNLESS OTHERWISE NOTED.• WHERE MULTIPLE ARE GROUPED TOGETHER, STACK IN A WORKMAN LIKE MANNER.						
	(X) CAT6 RJ--45 DATA JACKS WITH DOUBLE GANG BACKBOX WITH SINGLE GANG FACEPLATE AND CATEGORY 6 PLENUM RATED CABLE FOR EACH JACK TO PATCH PANEL IN NEAREST IT DATA RACK. MOUNT BACKBOX AT 18" AFF UNLESS OTHERWISE NOTED. DATA JACKS INSTALLED IN DRYWALL SHALL HAVE RECESSED DOUBLE GANG BACKBOX WITH BUSHINGS AND CABLES CONCEALED IN DRYWALL. DATA JACKS INSTALLED IN CMU WALLS SHALL HAVE RECESSED DOUBLE GANG BACKBOX WITH 1" CONDUIT TO ABOVE FINISHED CEILING.						
	LOCATION FOR WALL TELEPHONE. TELEPHONE JACKS INSTALLED IN DRYWALL SHALL HAVE RECESSED DOUBLE GANG BACKBOX WITH BUSHINGS AND CABLES CONCEALED IN DRYWALL AND CATEGORY 6 PLENUM RATED CABLE FOR EACH JACK TO PATCH PANEL IN NEAREST IT DATA RACK. JACKS IN BLOCK/CONCRETE WALLS SHALL HAVE 1" C TO ABOVE FINISHED CEILING. PROVIDE STAINLESS STEEL TELEPHONE WALL PLATE WITH MOUNTING STUDS. MOUNT AT 44" AFF (TOP OF BOX).						
						GENERAL DEMOLITION NOTES	
						1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO DEMOLITION.	
						2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.	
						3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.	
						4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.	
						5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.	
						6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY--RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.	
						7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.	
						8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.	
						9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.	
						10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED BY CONTRACTOR. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.	
						11. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.	
						LIST OF DRAWINGS	
						E0.1	ELECTRICAL COVER SHEET
						ED1.1	LIGHTING DEMOLITION PARTIAL FLOOR PLAN
						ED1.2	LIGHTING DEMOLITION PARTIAL FLOOR PLAN
						ED2.1	ELECTRICAL POWER/FIRE/COM DEMOLITION PARTIAL FLOOR PLAN
						ED2.2	ELECTRICAL POWER/FIRE/COM DEMOLITION PARTIAL FLOOR PLAN
						E1.1	LIGHTING NEW WORK PARTIAL FLOOR PLAN
						E1.2	LIGHTING NEW WORK PARTIAL FLOOR PLAN
						E1.3	LIGHTING SCHEDULES AND DETAILS
						E2.1	ELECTRICAL POWER NEW WORK PARTIAL FLOOR PLAN
						E2.2	ELECTRICAL POWER NEW WORK PARTIAL FLOOR PLAN
						E3.1	ELECTRICAL FIRE/COM NEW WORK PARTIAL FLOOR PLAN
						E3.2	ELECTRICAL FIRE/COM NEW WORK PARTIAL FLOOR PLAN
						E4.1	ELECTRICAL PANEL SCHEDULES
						REVISIONS	

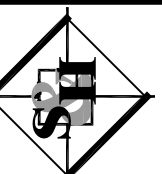


NOTES:

1. FOR GENERAL NOTES, REFER TO DRAWING E0.1
2. ALL WORK SHOWN IS TO BE DEMOLITION UNLESS OTHERWISE NOTED AS EXISTING (E), REMOVE AND REINSTALL (RAR), OR RELOCATED (REL).
3. DEMOLISH ALL ASSOCIATED LIGHTING CONTROLS AND LIGHTING BRANCH CIRCUIT WIRING WITHIN SPACE, UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN (E). EXISTING LIGHTING BRANCH CIRCUITS ARE TO BE USED TO WIRE NEW LIGHTING FIXTURES WITHIN EACH SPACE, VIA NEW LIGHTING CONTROLS.
4. CONTRACTOR SHALL DETERMINE THE PANEL AND CIRCUIT SOURCE FOR THE LIGHTING CIRCUIT(S) IN EACH ROOM AND UPDATE ALL PANEL SCHEDULES.

1 LIGHTING DEMOLITION - PARTIAL FIRST FLOOR PLAN
1/4"=1'-0"


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ROSE TREE MEDIA
SCHOOL DISTRICT
CAPITAL IMPROVEMENT
PROJECTS 2025
308 NORTH OLIVE STREET, MEDIA, PA 19063

REVISIONS

DRAWN BY

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REVIEWED BY

RLD

JOB #

2544

SHEET TITLE

LIGHTING
DEMOLITION
PARTIAL
FLOOR PLAN

SHEET #

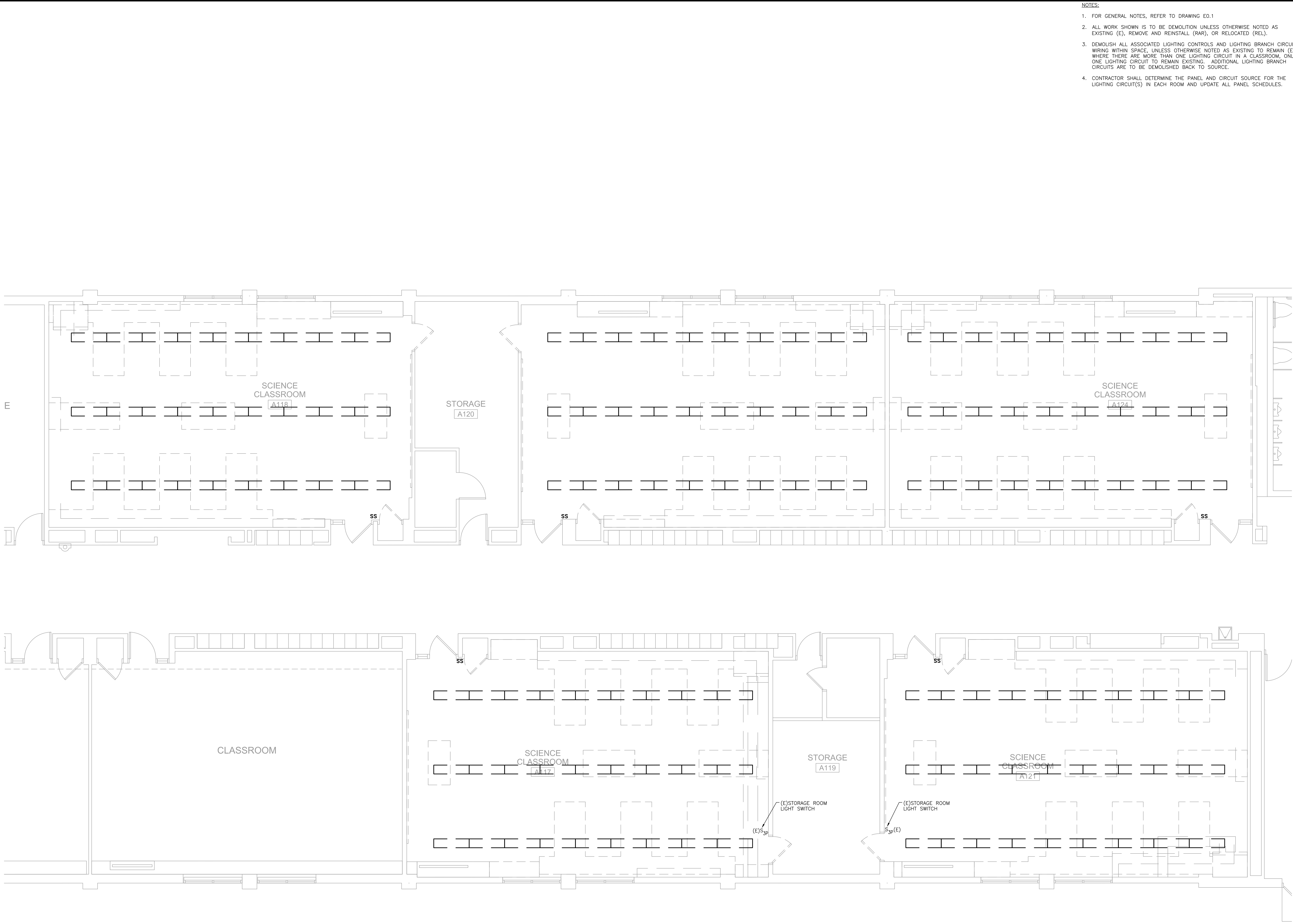
ED1.1

SCALE

AS NOTED

DATE

3-28-2025



- NOTES:
1. FOR GENERAL NOTES, REFER TO DRAWING E0.1
 2. ALL WORK SHOWN IS TO BE DEMOLITION UNLESS OTHERWISE NOTED AS EXISTING (E), REMOVE AND REINSTALL (RAR), OR RELOCATED (REL).
 3. DEMOLISH ALL ASSOCIATED LIGHTING CONTROLS AND LIGHTING BRANCH CIRCUIT WIRING WITHIN SPACE, UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN (E). WHERE THERE ARE MORE THAN ONE LIGHTING CIRCUIT IN A CLASSROOM, ONLY ONE LIGHTING CIRCUIT TO REMAIN EXISTING. ADDITIONAL LIGHTING BRANCH CIRCUITS ARE TO BE DEMOLISHED BACK TO SOURCE.
 4. CONTRACTOR SHALL DETERMINE THE PANEL AND CIRCUIT SOURCE FOR THE LIGHTING CIRCUIT(S) IN EACH ROOM AND UPDATE ALL PANEL SCHEDULES.

1 LIGHTING DEMOLITION - PARTIAL FIRST FLOOR PLAN

SEAL

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PROJECTS 2025

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REVISIONS	

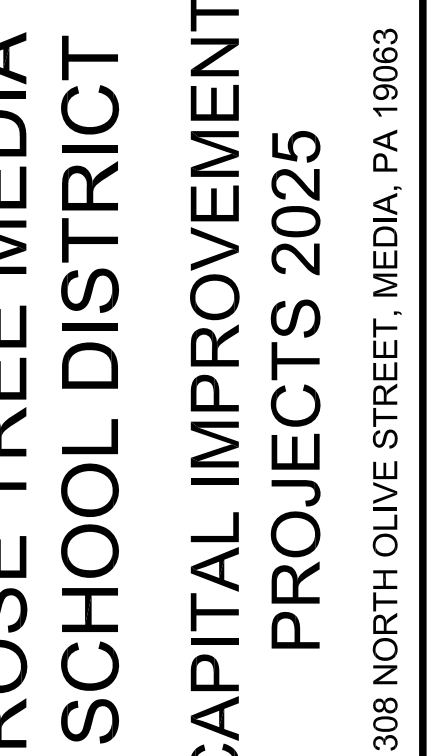
DRAWN BY	JDB
REVIEWED BY	RLD
JOB #	2544
SHEET TITLE	
LIGHTING DEMOLITION PARTIAL FLOOR PLAN	
SHEET #	
ED1.2	
SCALE	AS NOTED
DATE	3-28-2025

3. REFER TO MECHANICAL DEMOLITION PLANS FOR HVAC EQUIPMENT TO BE DEMOLISHED. CONTRACTOR SHALL REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT, AND WIRING BACK TO SOURCE.



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ELECTRICAL
POWER/FIRE/COM
DEMOLITION
PARTIAL
FLOOR PLAN

ED2.1

DATE	AS NOTED
DATE	3-28-2025

3. WIRE NEW NORMAL AND N/E LIGHTING LIGHTING FIXTURES TO EXISTING NORMAL AND N/E LIGHTING CIRCUIT IN SPACE VIA NEW LIGHTING CONTROLS.
4. CONTRACTOR SHALL DETERMINE THE PANEL AND CIRCUIT SOURCE FOR THE LIGHTING CIRCUIT(S) IN EACH ROOM AND UPDATE ALL PANEL SCHEDULES.

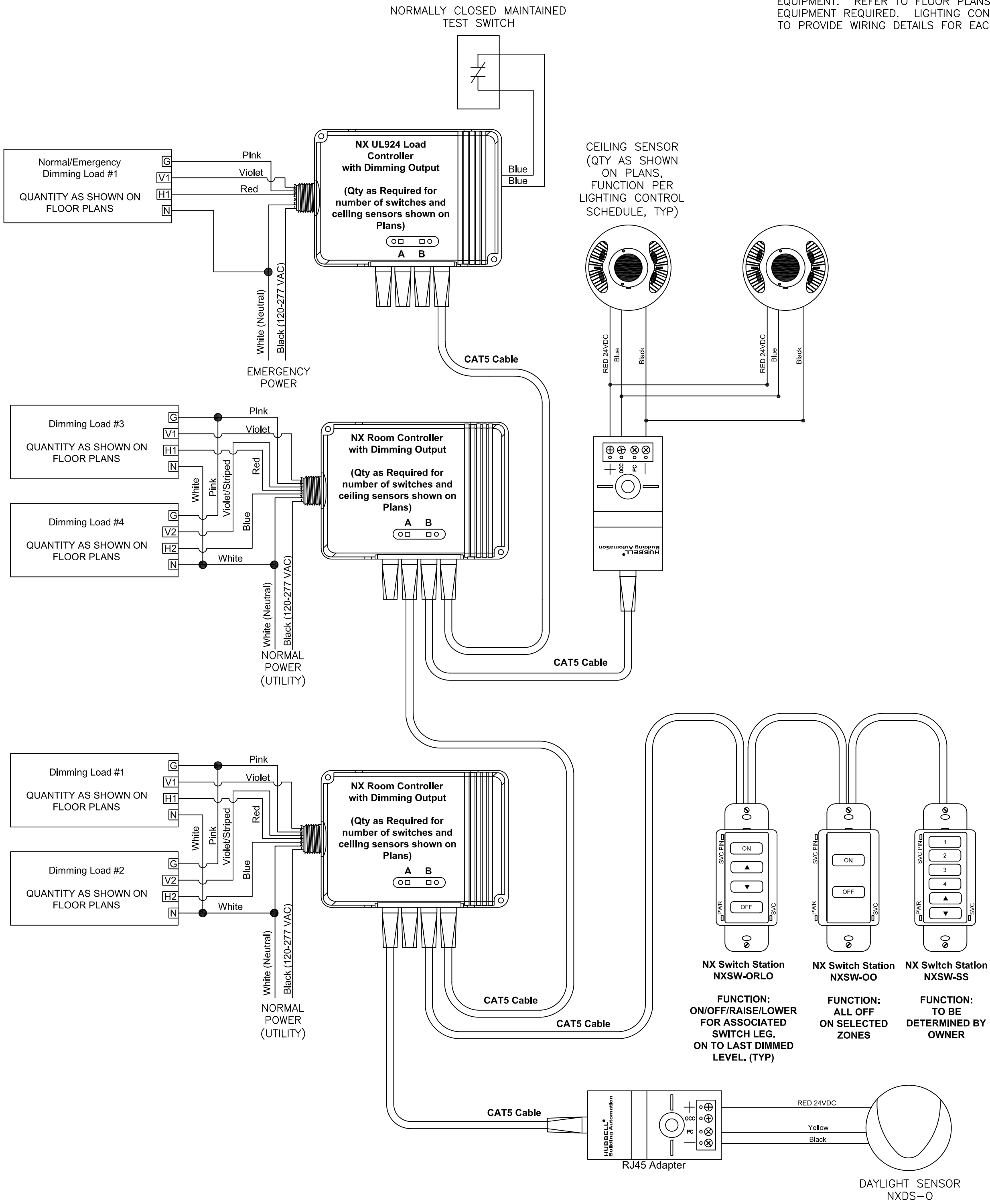


DATE	AS NOTED
DATE	3-28-2025

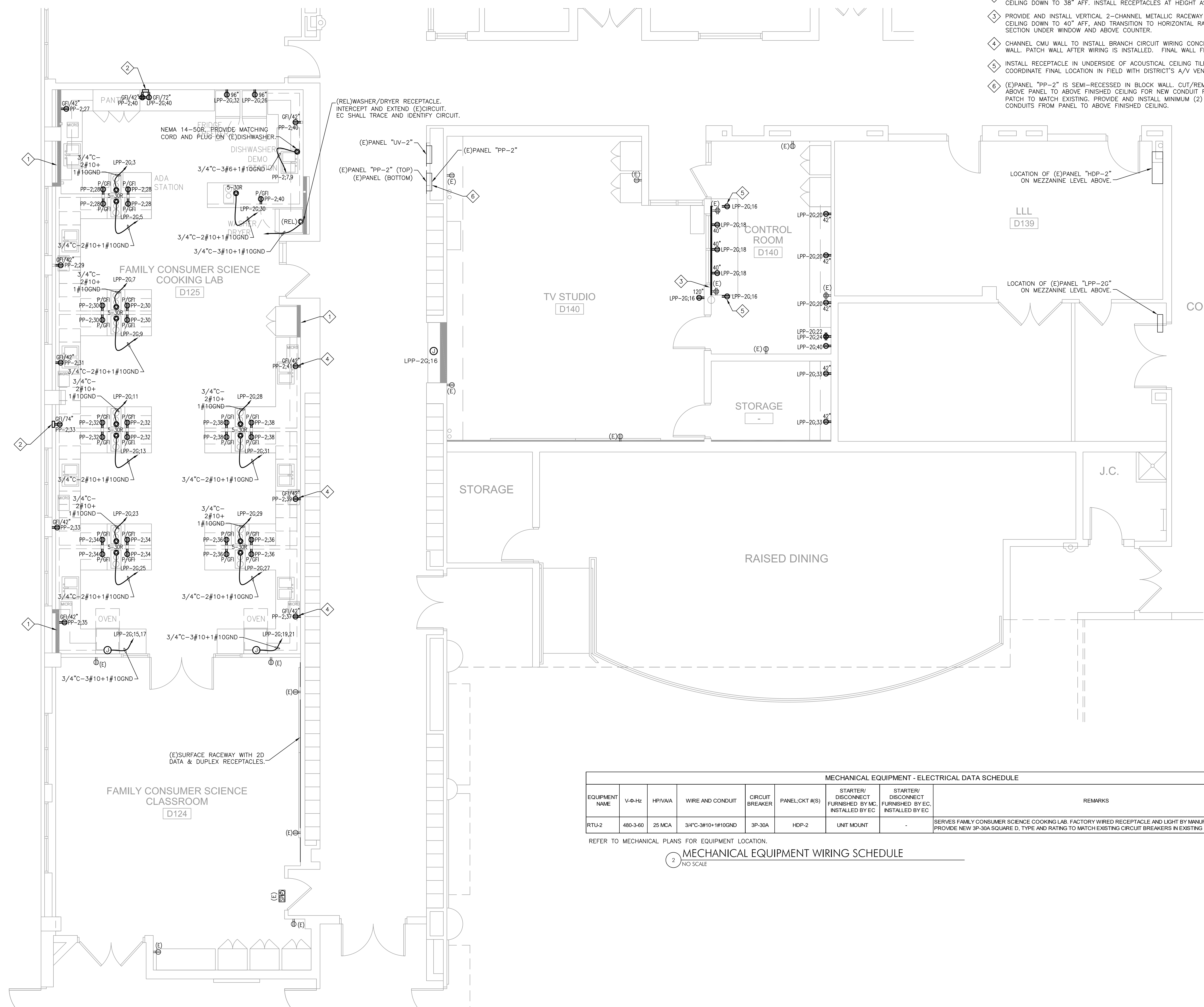
INTERIOR LIGHTING FIXTURE SCHEDULE												
FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	ALTERNATE MANUFACTURERS	VOLTS	LIGHT ENGINE					DRIVER	MOUNTING	REMARKS
					LUMENS	WATTS	COLOR	HOURS@L70	TYPE			
A1	COLUMBIA	SRP24-35ML-G-ED1-U	OR APPROVED EQUAL	277V	4,744	45	3500K	54,000	LED	0-10V DIMMING TO 1%	RECESSED	2'X4' EDGE LIT LED FLAT PANEL FIXTURE. FIXTURE SHALL BE CONSTRUCTED OF ALUMINUM FRAME WITH FROSTED ACRYLIC LENS. FIXTURE SHALL HAVE A MAXIMUM DEPTH OF 2-1/2".
A2	-	NOT USED	-	-	-	-	-	-	-	-	-	NOT USED.
A3	COLUMBIA	SRP14-35MW-G-ED-U	OR APPROVED EQUAL	277V	3,379	27	3500K	54,000	LED	0-10V DIMMING	RECESSED	1'X4' EDGE LIT LED FLAT PANEL FIXTURE. FIXTURE SHALL BE CONSTRUCTED OF ALUMINUM FRAME WITH FROSTED ACRYLIC LENS. FIXTURE SHALL HAVE A MAXIMUM DEPTH OF 2-1/2".
B1	HE WILLIAMS	HOUSING: 6DR-TL-220/835-A1TH-DM-UNV TRIM: OW-OF-CS-X-XX	OR APPROVED EQUAL	277V	1988	13.8	3500K	55,000@L90	LED	0-10V DIMMING	RECESSED	8" LED ROUND RECESSED DOWNLIGHT FIXTURE. FIXTURE SHALL HAVE A MAXIMUM DEPTH OF 6-5/8".

LIGHTING CONTROL SCHEDULE								
	OCCUPANCY SENSOR	VACANCY SENSOR	DAYLIGHT SENSOR	OTHER	AUTOMATIC SHUT OFF BY	WALL CONTROLS	LIFE SAFETY EMERGENCY LIGHTING	LOCATION
C01	-	-	-	-	TIMECLOCK	-	NOT CONTROLLED. ON 24/7 FOR SAFETY/SECURITY.	CORRIDORS AND VESTIBULES
C02	-	YES	-	-	VACANCY SENSOR	1-BUTTON DIGITAL SWITCHES (ON/OFF) WITH INTEGRAL SENSOR AT SWITCH.	-	SMALL STORAGE ROOMS, JANITOR'S CLOSETS

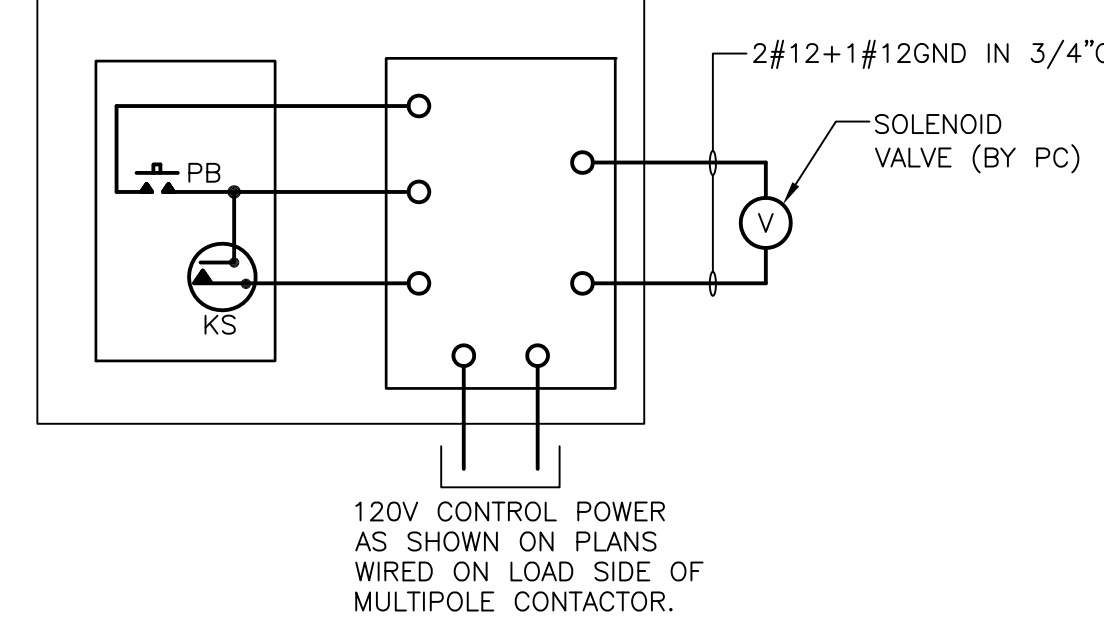
- NOTES:
- REFER TO DRAWING E0.1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES. REFER TO THIS DRAWING FOR LIGHTING CONTROL SCHEDULE.
 - THESE WIRING DIAGRAMS AND MODEL NUMBERS ARE BASED ON HUBBELL CONTROL SOLUTIONS NX SERIES NETWORKED LIGHTING CONTROLS AND SHOW TYPICAL WIRING, NOT ALL SCENARIOS ARE SHOWN. FINAL WIRING DIAGRAMS TO BE PROVIDED BY THE MANUFACTURER.
 - REFER TO FLOOR PLANS FOR QUANTITY OF SWITCHES, SENSORS, AND SWITCH LEGS. PROVIDE ALL REQUIRED LIGHTING CONTROLLERS, ACCESSORIES, AND LOW-VOLTAGE WIRING FOR A COMPLETE DISTRIBUTED LIGHTING CONTROL SYSTEM.
 - LIGHTING CONTROL MANUFACTURER SHALL PROVIDE ALL NECESSARY PROGRAMMING SO THE LIGHTING CONTROL SYSTEM WILL OPERATE AS DESCRIBED IN THE LIGHTING CONTROL SCHEDULE.
 - THE DETAIL IS TYPICAL AND SHOWS POSSIBLE EQUIPMENT ON THE PROJECT. EACH CONTROL SEQUENCE WILL NOT REQUIRE ALL EQUIPMENT. REFER TO FLOOR PLANS AND CONTROL SCHEDULE FOR EQUIPMENT REQUIRED. LIGHTING CONTROL MANUFACTURER IS REQUIRED TO PROVIDE WIRING DETAILS FOR EACH UNIQUE WIRING INSTANCE.



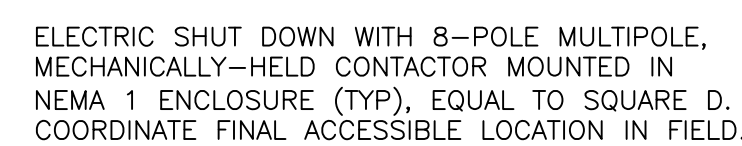
1 TYPICAL LIGHTING CONTROL DIAGRAM
SCALE: NOT TO SCALE



1 ELECTRICAL NEW WORK - FIRST FLOOR PLAN
1/4" = 1'-0"



3
E602



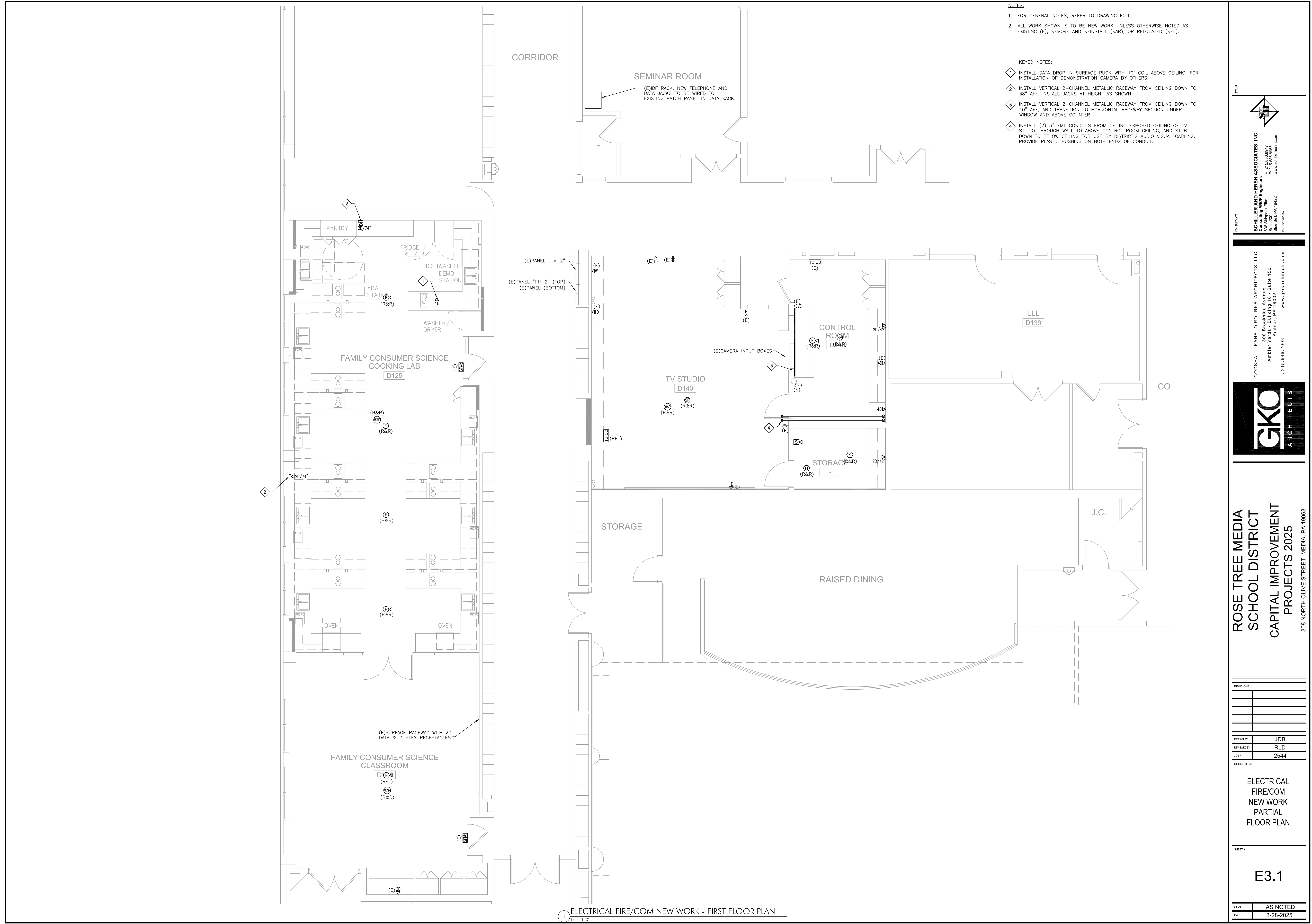
LPD;1	LPD;9	LPD;17	LPD;25	LPD;33
LPD;3	LPD;11	LPD;19	LPD;27	LPD;35
LPD;5	LPD;13	LPD;21	LPD;29	LPD;37
LPD;7	LPD;15	LPD;23	LPD;31	LPD;39
LPD;2	LPD;10	LPD;18	LPD;26	LPD;34
LPD;4	LPD;12	LPD;20	LPD;28	LPD;36
SCIENCE LAB RM 118 CKTS	SCIENCE LAB RM 122 CKTS	SCIENCE LAB RM 124 CKTS	SCIENCE LAB RM 117 CKTS	SCIENCE LAB RM 121 CKTS

NOTE:
ALL CONTROL CONDUIT AND WIRING SHALL BE
MINIMUM 3/4"C-2#12+1#12GND

- KEYED NOTES:**
1. ROUTE BRANCH CIRCUIT WIRING CONCEALED IN NEW WALL FOR EQUIPMENT AND RETURN TO BE INSTALLED ON OR WITHIN CASEWORK. ROUTE WIRING THROUGH CHASE IN REAR OF CASEWORK.
 2. PROVIDE AND INSTALL VERTICAL 2-CHANNEL METALLIC RACEWAY FROM CEILING DOWN TO 24" AFF, AND TRANSITION TO HORIZONTAL RACEWAY SECTION UNDER WHITEBOARDS.
 3. INSTALL 5S MULTI-POLE CONTACTORS ON WALL ADJACENT TO PANEL "LPD". STACK CONTACTORS AS NECESSARY.
 4. GAS CONTROL PANEL BY PC, TO BE INSTALLED BELOW SHUTOFF VALVE. COORDINATE FINAL LOCATION WITH PC IN FIELD. REFER TO DETAIL 3 FOR EMERGENCY GAS SOLENOID SHUTOFF WIRING DIAGRAM.

2





- NOTES:
- FOR GENERAL NOTES, REFER TO DRAWING E0.1
 - ALL WORK SHOWN IS TO BE NEW WORK UNLESS OTHERWISE NOTED AS EXISTING (E), REMOVE AND REINSTALL (RAR), OR RELOCATED (REL).
- KEYED NOTES:
- INSTALL DATA DROP IN SURFACE PUCK WITH 10' COIL ABOVE CEILING. FOR INSTALLATION OF DEMONSTRATION CAMERA BY OTHERS.
 - INSTALL VERTICAL 2-CHANNEL METALLIC RACEWAY FROM CEILING DOWN TO 38" AFF. INSTALL JACKS AT HEIGHT AS SHOWN.
 - INSTALL VERTICAL 2-CHANNEL METALLIC RACEWAY FROM CEILING DOWN TO 40" AFF. AND TRANSITION TO HORIZONTAL RACEWAY SECTION UNDER WINDOW AND ABOVE COUNTER.
 - INSTALL (2) 3" EMT CONDUITS FROM CEILING EXPOSED CEILING OF TV STUDIO THROUGH WALL TO ABOVE CONTROL ROOM CEILING, AND STUB DOWN TO BELOW CEILING FOR USE BY DISTRICT'S AUDIO VISUAL CABLING. PROVIDE PLASTIC BUSHING ON BOTH ENDS OF CONDUIT.

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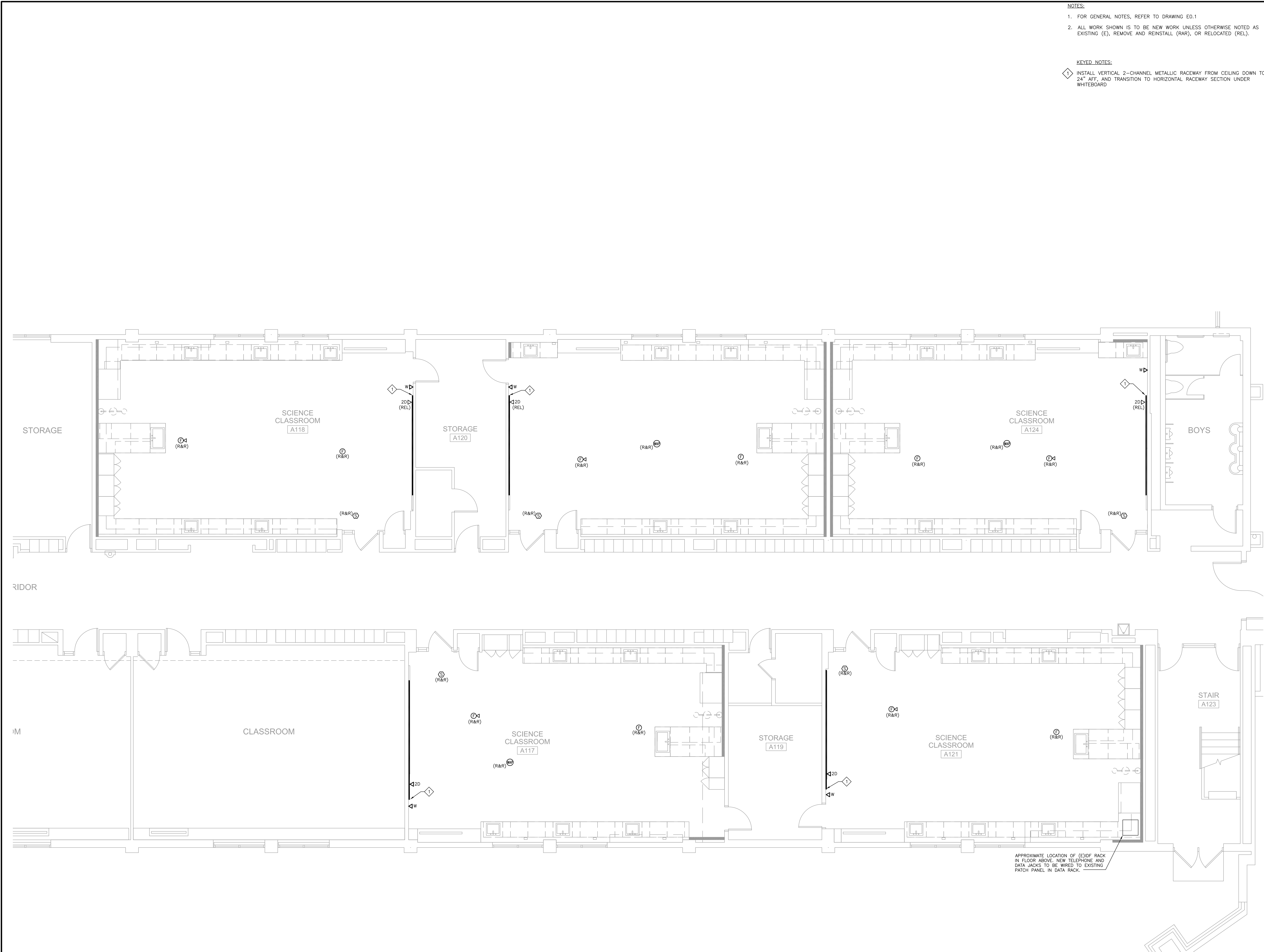
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CAPITAL IMPROVEMENT
PROJECTS 2025

308 NORTH OLIVE STREET, MEDIA, PA 19063

REVISIONS	

DRAWN BY	JDB
REVIEWED BY	RLD
JOB #	2544
SHEET TITLE	
ELECTRICAL FIRE/COM NEW WORK PARTIAL FLOOR PLAN	
SHEET #	
E3.1	
SCALE	AS NOTED
DATE	3-28-2025



NOTES:

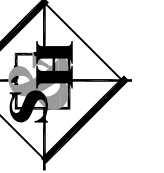
1. FOR GENERAL NOTES, REFER TO DRAWING E0.1

2. ALL WORK SHOWN IS TO BE NEW WORK UNLESS OTHERWISE NOTED AS EXISTING (E), REMOVE AND REINSTALL (RAR), OR RELOCATED (REL).

KEYED NOTES:

1. INSTALL VERTICAL 2-CHANNEL METALLIC RACEWAY FROM CEILING DOWN TO 24" AFF, AND TRANSITION TO HORIZONTAL RACEWAY SECTION UNDER WHITEBOARD


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CAPITAL IMPROVEMENT
PROJECTS 2025
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REVISIONS	

DRAWN BY	JDB
REVIEWED BY	RLD
JOB #	2544
SHEET TITLE	
ELECTRICAL FIRE/COM NEW WORK PARTIAL FLOOR PLAN	
SHEET #	
E3.2	
SCALE	AS NOTED
DATE	3-28-2025

1

ELECTRICAL FIRE/COM NEW WORK - FIRST FLOOR PLAN

1/4"=1'-0"

LOCATION: MEZZANINE			PANEL SCHEDULE FOR (E)PANEL "LPP-20" 120/208V, 3PH, 4W, 225A BUS, 225A MCB, SQUARE D TYPE NO PANELBOARD												SURFACE MOUNTED								
CKT NO	CIRCUIT POLE	AMP	REMARKS						A	B	C	A	B	C	REMARKS			AMP	CIRCUIT POLE	CKT NO			
1	1	20	(E)ROOM C127						0			0			(E)ROOM C127			20	1	2			
3	1	30 GFI	COOKING LAB D125 COOKTOP							2400			0		(E)ROOM C129			20	1	4			
5	1	30 GFI	COOKING LAB D125 COOKTOP								2400			0	(E)ROOM C129			20	1	6			
7	1	30 GFI	COOKING LAB D125 COOKTOP						2400			0			(E)ROOM C129			20	1	8			
9	1	30 GFI	COOKING LAB D125 COOKTOP							2400			0		(E)ROOM C129			20	1	10			
11	1	30 GFI	COOKING LAB D125 COOKTOP								2400			0	(E)ROOM C129			20	1	12			
13	1	30 GFI	COOKING LAB D125 COOKTOP						2400			0			(E)ROOM C129 HOME EC. ROOM			20	1	14			
15	2	30 GFI	COOKING LAB D125 WALL OVEN							2700			1140		TV STUDIO & CONTROL RM TV RECEPTACLES			20	1	16			
17	1										2700			540	TV STUDIO CONTROL RM WINDOW COUNTER RECEPTACLES			20	1	18			
19	2	30 GFI	COOKING LAB D125 WALL OVEN							2700		540			TV STUDIO CONTROL RM COUNTER RECEPTACLES			20	1	20			
21	1											1000			TV STUDIO CONTROL RM EQUIPMENT RACK RECEPTACLES			20	1	22			
23	1	30 GFI	COOKING LAB D125 COOKTOP								2400			1000	TV STUDIO CONTROL RM EQUIPMENT RACK RECEPTACLES			20	1	24			
25	1	30 GFI	COOKING LAB D125 COOKTOP						2400			1200			COOKING LAB D125 FREEZER			20 GFI	1	26			
27	1	30 GFI	COOKING LAB D125 COOKTOP							2400			2400		COOKING LAB D125 COOKTOP			30 GFI	1	28			
29	1	30 GFI	COOKING LAB D125 COOKTOP								2400			2400	COOKING LAB D125 COOKTOP			30 GFI	1	30			
31	1	30 GFI	COOKING LAB D125 COOKTOP						2400			0			COOKING LAB D125 REFRIGERATOR			20 GFI	1	32			
33	1	20	TV STUDIO CONTROL RM EQUIPMENT RACK RECEPTACLES							1000			0		(E)ROOM C127			20	1	34			
35	1	20	(E)AV POWER								0			0	(E)EF-13 W/ FAN SWITCH			20	1	36			
37	1	20	(E)CONDENSATE PUMP						0					0	(E)DANCE LITES			20	1	38			
39	2	30	(E)WASHER/DRYER							0			360		TV STUDIO STORAGE ROOM COUNTER RECEPTACLES			20	1	40			
41	1										0			0	(E)DRYER VENT			20	1	42			
								12300	13600	12300	1740	4900	3940										
								* INDICATES CIRCUIT BREAKER TO BE PROVIDED WITH PADLOCK HASP FOR LOCKOUT CAPABILITY.								PHASE A: 14.04 kVA							
																PHASE B: 18.50 kVA							
																PHASE C: 16.24 kVA							
																TOTAL: 48.78 kVA							

LOCATION: STORAGE RM A120			PANEL SCHEDULE FOR NEW PANEL "LPD" 120/208V, 3PH, 4W, 225A BUS, 225A MLO, 22,000A RMS												SURFACE MOUNTED											
CKT NO	CIRCUIT POLE	AMP	REMARKS						A	B	C	A	B	C	REMARKS						AMP	CIRCUIT POLE	CKT NO			
1	1	20	SCIENCE RM 118 COUNTER RECEPTACLES						720				540			SCIENCE RM 118 FRONT OF ROOM RECEPTACLES & GAS CNTRL						20	1	2		
3	1	20	SCIENCE RM 118 COUNTER RECEPTACLES							720				800			SCIENCE RM 118 FUME HOOD						20	1	4	
5	1	20	SCIENCE RM 118 COUNTER RECEPTACLES								720			0			SPARE						20	1	6	
7	1	20	SCIENCE RM 118 COUNTER RECEPTACLES						720				0			SPARE						20	1	8		
9	1	20	SCIENCE RM 122 COUNTER RECEPTACLES							720				540			SCIENCE RM 122 FRONT OF ROOM RECEPTACLES & GAS CNTRL						20	1	10	
11	1	20	SCIENCE RM 122 COUNTER RECEPTACLES								720				800			SCIENCE RM 122 FUME HOOD						20	1	12
13	1	20	SCIENCE RM 122 COUNTER RECEPTACLES						720				0			SPARE						20	1	14		
15	1	20	SCIENCE RM 122 COUNTER RECEPTACLES							720				0			SPARE						20	1	16	
17	1	20	SCIENCE RM 124 COUNTER RECEPTACLES								720				540			SCIENCE RM 124 FRONT OF ROOM RECEPTACLES & GAS CNTRL						20	1	18
19	1	20	SCIENCE RM 124 COUNTER RECEPTACLES						720					800			SCIENCE RM 124 FUME HOOD						20	1	20	
21	1	20	SCIENCE RM 124 COUNTER RECEPTACLES							720				0			SPARE						20	1	22	
23	1	20	SCIENCE RM 124 COUNTER RECEPTACLES								720				0			SPARE						20	1	24
25	1	20	SCIENCE RM 117 COUNTER RECEPTACLES						720					540			SCIENCE RM 117 FRONT OF ROOM RECEPTACLES & GAS CNTRL						20	1	26	
27	1	20	SCIENCE RM 117 COUNTER RECEPTACLES							720					800			SCIENCE RM 117 FUME HOOD						20	1	28
29	1	20	SCIENCE RM 117 COUNTER RECEPTACLES								720				0			SPARE						20	1	30
31	1	20	SCIENCE RM 117 COUNTER RECEPTACLES						720				0				SPARE						20	1	32	
33	1	20	SCIENCE RM 121 COUNTER RECEPTACLES							720				540			SCIENCE RM 121 FRONT OF ROOM RECEPTACLES & GAS CNTRL						20	1	34	
35	1	20	SCIENCE RM 121 COUNTER RECEPTACLES								720				800			SCIENCE RM 121 FUME HOOD						20	1	36
37	1	20	SCIENCE RM 121 COUNTER RECEPTACLES						720				0				SPARE						20	1	38	
39	1	20	SCIENCE RM 121 COUNTER RECEPTACLES							720				0			SPARE						20	1	40	
41	1	20	EXISTING CIRCUIT								500				0			SPARE						20	1	42
43	1	20	EXISTING CIRCUIT							500					0			SPARE						20	1	44
45	1	20	SPARE								0				0			SPARE						20	1	46
47	1	20	SPARE								0		0			0		SPARE						20	1	48
49	1	20	SPARE						0			0						SPARE						20	1	50
51	1	20	SPARE							0				0			SPARE						20	1	52	
53	1	20	SPARE								0				0			SPARE						20	1	54
								5540	5040	4820	1880	2680	2140													
NOTES: -PANEL IS NEW PANELBOARD WITH ALL NEW CIRCUIT BREAKERS.																		PHASE A: 7.42 kVA								
																		PHASE B: 7.72 kVA								
																		PHASE C: 6.96 kVA								
																		TOTAL: 22.10 kVA								

LOCATION: CORRIDOR OUTSIDE CLASSROOM D125			PANEL SCHEDULE FOR (E)PANEL "PP-2" 120/208V, 3PH, 4W, 225A BUS, 225A MLO, SQUARE D NQ00										RECESSED MOUNTED		
CKT NO	CIRCUIT POLE	AMP	REMARKS	A	B	C	A	B	C	REMARKS	AMP	CIRCUIT POLE	CKT NO		
1				0		0				(E)RECEPT.	20	1	2		
3	3	20	(E)HYDRAULIC LIFT AT LOADING DOCK		0		0			(E)DRYER RM. C1	30	2	4		
5						0			0				6		
7				4482			0			(E)208V CEILING FAN ROOM 126	15	2	8		
9	2	50 GF	COOKING LAB D125 DISHWASHER		4482			0					10		
11						0			0	(E)D126 AIR CONDITIONING	15	2	12		
13	2	50	EXISTING LOAD		0		0						14		
15	1	20	EXISTING LOAD		0			0		(E)DRYER HOME EC	30	2	16		
17	1	-	SPACE			0			0				18		
19	1	20	UNKNOWN	0			0			EXISTING LOAD	20	1	20		
21	1	20	UNKNOWN		0					(E)PLASMA TV 42"	20	1	22		
23	1	20	(E)REF. HOME EC.			0			0	EXISTING LOAD	20	1	24		
25	1	20	(E)WATER COOLER OUTSIDE C-109	0			0			(E)D126 SPARE CEILING	20	1	26		
27	1	20	COOKING LAB D125 MICROWAVE RECEPT		1650				720	COOKING LAB D125 COUNTERTOP RECEPT	20	1	28		
29	1	20	COOKING LAB D125 MICROWAVE RECEPT			1650			720	COOKING LAB D125 COUNTERTOP RECEPT	20	1	30		
31	1	20	COOKING LAB D125 MICROWAVE RECEPT		1650			720		COOKING LAB D125 COUNTERTOP RECEPT	20	1	32		
33	1	20	COOKING LAB D125 MICROWAVE RECEPT			1650		720		COOKING LAB D125 COUNTERTOP RECEPT	20	1	34		
35	1	20	COOKING LAB D125 MICROWAVE RECEPT				1650		720	COOKING LAB D125 COUNTERTOP RECEPT	20	1	36		
37	1	20	COOKING LAB D125 MICROWAVE RECEPT					1650	720	COOKING LAB D125 COUNTERTOP RECEPT	20	1	38		
39	1	20	COOKING LAB D125 MICROWAVE RECEPT						720	COOKING LAB D125 COUNTERTOP RECEPT	20	1	40		
41	1	20	COOKING LAB D125 MICROWAVE RECEPT					1650		0 SPACE	-	1	42		
				7782	9432	4950	1440	2160	1440						
										PHASE A: 9.22 KVA					
										PHASE B: 11.59 KVA					
										PHASE C: 6.39 KVA					
										TOTAL: 27.20 KVA					