

GENERAL NOTES

- OWNERSHIP AND USE OF DOCUMENTS: THIS IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF ATELIER CHO THOMPSON WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. NO CHANGES, ALTERATIONS, ADDITIONS OR DELETIONS MAY BE MADE HERE TO EXCEPT BY THE ARCHITECT AND THIS SHALL NOT BE USED OR REPRODUCED BY ANYONE ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF ATELIER CHO THOMPSON. SUBMISSION OR DISTRIBUTION TO MEET REGULATORY REQUIREMENTS OR FOR PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF ATELIER CHO THOMPSON.
- ALL WORK SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AND LOCAL BUILDING REQUIREMENTS, WHICH INCLUDES THE 2018 CONNECTICUT STATE BUILDING CODE.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS BEFORE COMMENCING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING OR CONTINUING ANY CONSTRUCTION IN THE AREA OF CONCERN. HOLD INDICATED DIMENSIONS. DO NOT SCALE DRAWINGS.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO VERIFY ALL DIMENSIONS AND INSPECT CONDITIONS OF PRIOR WORK BY ALL TRADES BEFORE PROCEEDING WITH ANY WORK. UNACCEPTABLE OR INCORRECT PRIOR WORK SHALL BE REPAIRED OR REPLACED BEFORE STARTING WORK. PROCEEDING WITH WORK SHALL CONSTITUTE ACCEPTANCE OF PRIOR WORK.
- ALL EXISTING CONSTRUCTION THAT IS TO REMAIN AS PART OF THE PROJECT SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE PERIOD OF CONSTRUCTION WORK. ANY DAMAGED CONSTRUCTION OR FEATURES SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER, WITH MATERIALS EQUIVALENT OR SUPERIOR TO THE ORIGINAL ITEM(S).
- ALL ELECTRICAL OUTLETS, COMPUTER AND TELEPHONE OUTLETS/JACKS, SWITCHES, PULL STATIONS, THERMOSTATS, EXIT LIGHTS, AND ALL OTHER WALL-MOUNTED ACCESSORIES SHALL BE ALIGNED VERTICALLY OR HORIZONTALLY WHEN IN CLOSE PROXIMITY. COORDINATION OF THIS ALIGNMENT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
- PROVIDE BLOCKING AT PARTITIONS, CEILINGS, AND WALLS FOR ALL ACCESSORIES AS REQUIRED.
- ALL DIMENSIONS ON DRAWINGS ARE TO CENTERLINE OF STRUCTURAL GRID OR FACE OF STRUCTURE UNLESS NOTED OTHERWISE.
- IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWING AND SPECS OR WITHIN EITHER DOCUMENT NOT CLARIFIED BY ADDENDUM, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION.
- UNLESS SHOWN IN DRAWING, PLACING OF ACCESS DOORS IN GYPSUM BOARD CEILINGS SHALL NOT BE ACCEPTED. LOCATE AND INSTALL ALL WORK AS REQUIRED TO PRECLUDE THE NEED FOR ACCESS THROUGH THE CEILINGS. COORDINATION OF THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DETAILS ARE USUALLY KEYED AND NOTED "TYPICAL" ONLY ONCE, WHEN THEY FIRST OCCUR, AND ARE REPRESENTATIVE OF SIMILAR CONDITIONS THROUGHOUT UNLESS OTHERWISE NOTED.
- ALL NEW FINISHES ARE TO ALIGN FLUSH WITHOUT EVIDENCE OF ADDITION. "ALIGN" AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE FINISHES IN THE SAME PLANE.
- SUITABLE MEASURES SHALL BE TAKEN TO PREVENT INTERACTION BETWEEN DISSIMILAR METALS.
- PROVIDE BLOCKING IN PARTITIONS AS REQUIRED FOR ALL MILLWORK/PROJECT INFORMATIONORIES OR OTHER SIMILAR ITEMS ATTACHED TO WALLS. ALL WOOD BLOCKING TO BE FIRE-RETARDENT TREATED, CONTINUOUS FROM STUD TO STUD.
- ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- SEALANT, CAULKING, AND FLASHING LOCATIONS SHOWN ON DRAWINGS ARE NOT INTENDED TO BE INCLUSIVE. FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS AND STANDARD INDUSTRY AND BUILDING PRACTICE.
- PROVIDE OCCUPANCY SIGNS AS MAY BE REQUIRED BY THE LOCAL BUILDING OFFICIAL. COORDINATE LOCATION AND SIGNAGE WITH TENANT'S SIGNAGE CONTRACTOR.
- IN ALL CASES WHERE WORK DEPICTED IN THESE DRAWINGS REPRESENTS A COMPLETE SYSTEM COMPOSED OF SEPARATE PARTS, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE ALL OF THE PARTS, COMPONENTS, ACCESSORIES, HARDWARE, FASTENERS, ETC. REQUIRED FOR A COMPLETE AND FULLY FUNCTIONING ASSEMBLY WITHIN THE DEFINITIONS OF NORMAL INDUSTRY STANDARDS, WHETHER OR NOT THESE MISCELLANEOUS ITEMS ARE DIRECTLY SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
- WORK AREAS TO REMAIN SECURE AND LOCKABLE DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL COORDINATE WITH LANDLORD TO ENSURE SECURITY.
- THE GC SHALL VERIFY THAT THE EXISTING FLOORS ARE LEVEL AND FREE FROM SCALING. GC TO REPORT ANY VARIATIONS IN FLOOR LEVEL GREATER THAN 1/4" IN 10' (NON CUMULATIVE) TO ARCHITECT.
- SUBSTITUTIONS, REVISIONS, OR CHANGES MUST BE SUBMITTED TO ARCHITECT FOR REVIEW (IN CONFORMANCE WITH SPECIFIED PROCEDURES) PRIOR TO PURCHASE, FABRICATION, OR INSTALLATION. REFER TO PROJECT MANUAL FOR SPECIFIC PROCEDURES.
- THE SCOPE OF WORK AND ADJACENT AREAS (INCLUDING "ACCESSIBLE PATH" AND LOBBY WHERE IT APPLIES TO THIS WORK) SHALL BE PROTECTED FROM ANY DAMAGE THAT OCCURS BECAUSE OF THIS WORK. ANY DAMAGE THAT OCCURS SHALL BE THE FINANCIAL RESPONSIBILITY OF THE GC.
- ALL GC'S AND SUBCONTRACTORS ARE TO COMPLY WITH THE BUILDING RULES AND REGULATIONS INCLUDING COMPLIANCE WITH ALL CEWA REQUIREMENTS.

CLIMATE HAVEN OFFICE RENOVATION

BID DRAWINGS ISSUE DATE 12/18/2025



BLOCK PLAN



ZONING INFORMATION

LOT SIZE	.52 ACRES
ZONING USE	OFFICE/RETAIL (UNCHANGED)
ZONING DISTRICT	BD1 (UNCHANGED)
NO CHANGE TO BUILDING HEIGHT OR LOT COVERAGE PROPOSED	
NO CHANGE TO BUILDING USE OR OCCUPANCY PROPOSED	

CODE INFORMATION

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF ALL OTHER REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

- 2022 CONNECTICUT STATE BUILDING CODE:
- 2021 INTERNATIONAL BUILDING CODE WITH CT AMENDMENTS
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE
- 2020 NATIONAL ELECTRICAL CODE (NFPA 70)
- 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

UNLESS OTHERWISE SPECIFIED, SPECIFIC REFERENCES TO CODES, REGULATION STANDARDS, MANUFACTURER'S INSTRUCTIONS, OR REQUIREMENTS OF REGULATORY AGENCIES, WHEN USED TO SPECIFY REQUIREMENTS FOR MATERIALS OF DESIGN ELEMENTS SHALL MEAN THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BIDS, OR THE DATE OF THE CHANGE OF ORDER OR FIELD ORDER, AS APPLICABLE.

PROJECT DESCRIPTION

- OFFICE RENOVATION OF THE BACK PORTION OF THE 3RD FLOOR OF A 4-STORY BUILDING IN DOWNTOWN NEW HAVEN, CONNECTICUT.

PROJECT INFORMATION

USABLE FLOOR AREA THIRD FLOOR	12,880 SF (PROJECT AREA 5720 SF)
BUILDING ADDRESS	770 CHAPEL STREET NEW HAVEN, CT 06510
PARCEL ID ACCOUNT NUMBER (MBLU)	13641 240-0236-01000
BUILDING USE	OFFICE / RETAIL (UNCHANGED)
ZONING DISTRICT	BD1 (UNCHANGED)
OCCUPANCY TYPE	MIXED OCCUPANCY (UNCHANGED): M MERCANTILE B BUSINESS
BUILDING HEIGHT NO. OF STORIES	60 FT (UNCHANGED) 4 STORIES (UNCHANGED)
CONSTRUCTION TYPE STRUCTURE	III-B (UNCHANGED) NON-COMBUSTIBLE EXTERIOR MATERIALS AND THE INTERIOR ELEMENTS OF ANY MATERIAL PERMITTED BY THE CODE, UNPROTECTED (CH 6) (UNCHANGED)
FIRE PROTECTION	SPRINKLERED (UNCHANGED)

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PROJECT:

CLIMATE HAVEN

770 CHAPEL STREET
NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/18/2025

DRAWING HISTORY:

SHEET:

COVER

G-000

ABBREVIATIONS

#	NUMBER	EQJ	EARTHQUAKE JOINT	MASA	MASONRY	SC	SOLID CORE
ACT	ACOUSTIC CEILING TILE	EQUIP	EQUIPMENT	MATL	MATERIAL	SCHED	SCHEDULE
ADJUS	ADJUST; ADJUSTABLE	EST	ESTIMATE; ESTIMATED	MAX	MAXIMUM	SECT	SECTION
AFF	ABOVE FINISHED FLOOR	ETR	EXISTING TO REMAIN	MB	MACHINE BOLT	SHP	SOUTHERN HEART PINE
AIB	AIR INFILTRATION BARRIER	EW	EACH WAY	MECH	MECHANICAL	SHT	SHEET
ALUM	ALUMINUM	EXC	EXCAVATE; EXCAVATED	MEMB/MEMBR	MEMBRANE	SHTG	SHEATHING
ALT	ALTERNATE	EXH	EXHAUST	MFTR	MANUFACTURER	SIM	SIMILAR
APPD	APPROVED	EXP	EXPOSED	MIN	MINIMUM	SPEC	SPECIFIED; SPECIFICATION(S)
APPROX	APPROXIMATE(LY)	EXPAN	EXPANSION	MISC	MISCELLANEOUS	SQ	SQUARE
ARCH	ARCHITECTURAL; ARCHITECT	EXIST	EXISTING	MLDG	MOULDING	SRFC	SURFACE
ART	ARTIFICIAL	EXT	EXTERIOR	MO	MASONRY OPENING	SS/SSL	STAINLESS STEEL
		EXTR	EXTRUDED	MS	MACHINE SCREW	STC	SOUND TRANSMISSION COEFFICIENT
				MTD	MOUNTED	STD	STANDARD
				MTL	METAL	STL	STEEL
						STOR	STORAGE
BD	BOARD	F	FIRE SPRINKLER	NA	NOT APPLICABLE	STRUC/STRUCT	STRUCTURE; STRUCTURAL
BFC	BOARD-FORMED CONCRETE	FAB	FABRIC; FABRICATED	NEG	NEGATIVE	SUB	SUBSTITUTE
BIB	BLOWN IN BLANKET	FB	FLAT BAR	NIC	NOT IN CONTRACT	SUSP	SUSPEND; SUSPENDED
BLDG	BUILDING	FC	FURRED CEILING	NO	NUMBER	SYM	SYMMETRICAL
BLK	BLOCK; BLOCKING	FD	FLOOR DRAIN	NOM	NOMINAL	SYS	SYSTEM
BM	BENCHMARK; BEAM	FEC	FIRE EXTINGUISHER CABINET	NTS	NOT TO SCALE		
BO/B.O.	BOTTOM OF	F.F.	FINISH FLOOR			T	TREAD; TEMPERED
BP	BUILDING PAPER	FH	FLAT HEAD SCREW	O	OUTSIDE DIAMETER	T&G	TONGUE AND GROOVE
BSMT	BASEMENT	FIN	FINISH(ED)	QA	OVERALL	T-STAT	THERMOSTAT
BYND	BEYOND	FJ	FORMED JOINT	OC	ON CENTER	T.C.	TRASH COMPACTOR
		FLX	FLEXIBLE	OFCI	OWNER FURNISHED - CONTRACTOR INSTALLED	TCS	TERNE COATED STEEL
CAB	CABINET	FLR	FLOOR	OPG	OPENING	TEMP	TEMPERATURE; TEMPORARY
C. CONC	COLORED CONCRETE	FLSG	FLASHING	OPP	OPPOSITE	THRESH	THRESHOLD
CEM	CEMENT	FND/FOUN	FOUNDATION	OSB	ORIENTED STRAND BOARD	THRU	THROUGH
CIP	CAST IN PLACE	FP	FIREPROOF; FIREPROOFING	OVHD	OVERHEAD	TLT/TOIL	TOILET
CJ	CONSTRUCTION JOINT (CONTROL)	FRIG	REFRIGERATOR	PAR	PARALLEL	TOP	TOPPING
CL	CENTER LINE	FRP	FIBER REINFORCED PLASTIC	PART	PARTITION	TW	TOP OF WALL
CLG	CEILING	FS	FULLSHEET	PC	PIECE; POINT OF CURVATURE	TYP	TYPICAL
CLOS	CLOSET	FT	FEET; FOOT; FLOOR TYPE	PERF	PERFORATED	UC	UNDERCOUNTER
CMG	CLEAR MIXED GRAIN	FTG	FOOTING	PERP	PERPENDICULAR	UL	UNDERWRITER'S LABORATORY
CMS	COUNTERSUNK MACHINE SCREW			PL	PLASTIC LAMINATE; PLATE;	U.O.U.O.	UNDERSIDE OF
CMU	CONCRETE MASONRY UNIT(S)	GA	GAUGE	PLAM	PLASTIC LIMINATE	U.O.N./UNO	UNLESS OTHERWISE NOTED;
COL	COLUMN	GAL	GALLON	PLYD/PLYWD	PLYWOOD	UNFIN	UNFINISHED
CONC	CONCRETE	GALV	GALVANIZED	PR	PAIR		
CONN	CONNECTION	GEN	GENERAL	PRELIM	PRELIMINARY	VAR	VARIABLE
CONST	CONSTRUCTION	GL	GLASS; GLAZING; GLAZED	PROJ	PROJECT; PROJECTION	VERT	VERTICAL
CONT	CONTINUOUS	GR	GRADE	PROP	PROPERTY	VEST	VESTIBULE
CONTR	CONTRACTOR	GWB	GYPSON WALL BOARD	PRPT	PARAPET	VGKD	VERTICAL GRAIN KILN DRIED
CPT	CARPET	GYP	GYPSON	PT	PAINT; PAINTED;	VIF	VERIFY IN FIELD
CT	CERAMIC TILE; CEILING TYPE			PTD	PRESSURE TREATED	VOL	VOLUME
C TO C	CENTER TO CENTER	H	HIGH (DIM)	PSI	PAINTED		
CTSK	COUNTERSINK; COUNTERSUNK	HB	HOSE BIB	R	POUNDS PER SQUARE INCH	W	WASHER
CVG	CLEAR VERTICAL GRAIN	HC	HOLLOW CORE	RCP		W/	WITH
CWS	COUNTERSUNK WOOD SCREW	HDWD	HARDWOOD	REF		W/O	WITHOUT
		HEM	HEMLOCK	REFR	RADIUS; RISER	WAIN	WAINSCOT
		HORIZ	HORIZONTAL	REQD	REFLECTED CEILING PLAN	WCW	WATER CLOSET
		HM	HOLLOW METAL	RET	REFERENCE	WD	WOOD (SOLID)
		HP	HIGH POINT	REV	REFRIGERATOR	WH	WATER HEATER
		ID	INSIDE DIAMETER	RHS	REQUIRED	WIND	WINDOW
		IN	INCH	RL	RETURN	WP	WATERPROOF
		INCR	INCREASE	RM	REVISED; REVISION	WRC	WESTERN RED CEDAR
		INFO	INFORMATION	RND	ROUND HEAD SCREW	WRGWB	WATER-RESISTANT GWB
		INS/INSUL	INSULATED; INSULATION	RO	ROUND	WS	WEATHERSTRIP
		INT	INTERIOR	RUB	ROUGH OPENING		
		INV	INVERT		RUBBER		
		JST	JOIST				
		JT	JOINT				
		KO	KNOCK OUT				
		KP	KICK PALATE				
		LAM	LAMINATE				
		LAV	LAVATORY				
		LIN	LINEAR				
		LT	LIGHT				
EA	EACH						
EJ	EXPANSION JOINT						
EL	ELEVATION						
ELEC	ELECTRICAL						
ELEV	ELEVATION						
EQ	EQUAL						

SHEET INDEX

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PROJECT:

CLIMATE HAVEN

770 CHAPEL STREET
 NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
 ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/18/2025

DRAWING HISTORY:

SHEET:

SHEET INDEX, SYMBOLS

G-010

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DRAWING HISTORY:

SHEET:

THIRD FLOOR CODE PLAN

G-020

CODE INFORMATION

OCCUPANCY TYPE	GROUP B (BUSINESS)
CONSTRUCTION TYPE	TYPE III-B MASONRY AND CONCRETE STRUCTURE, NONCOMBUSTIBLE EXT WALLS, EXISTING UNCHANGED
GROSS FLOOR AREA (3RD FL)	14,343 SF
OCCUPANT LOAD FACTOR	150 SF/OCC
OCCUPANCY	96
TRAVEL DISTANCE (SPRINKLERED)	300 FT MAX; 210 FT PROVIDED
MAX COMMON PATH OF TRAVEL (SPRINKLERED)	100 FT MAX; 63 FT PROVIDED

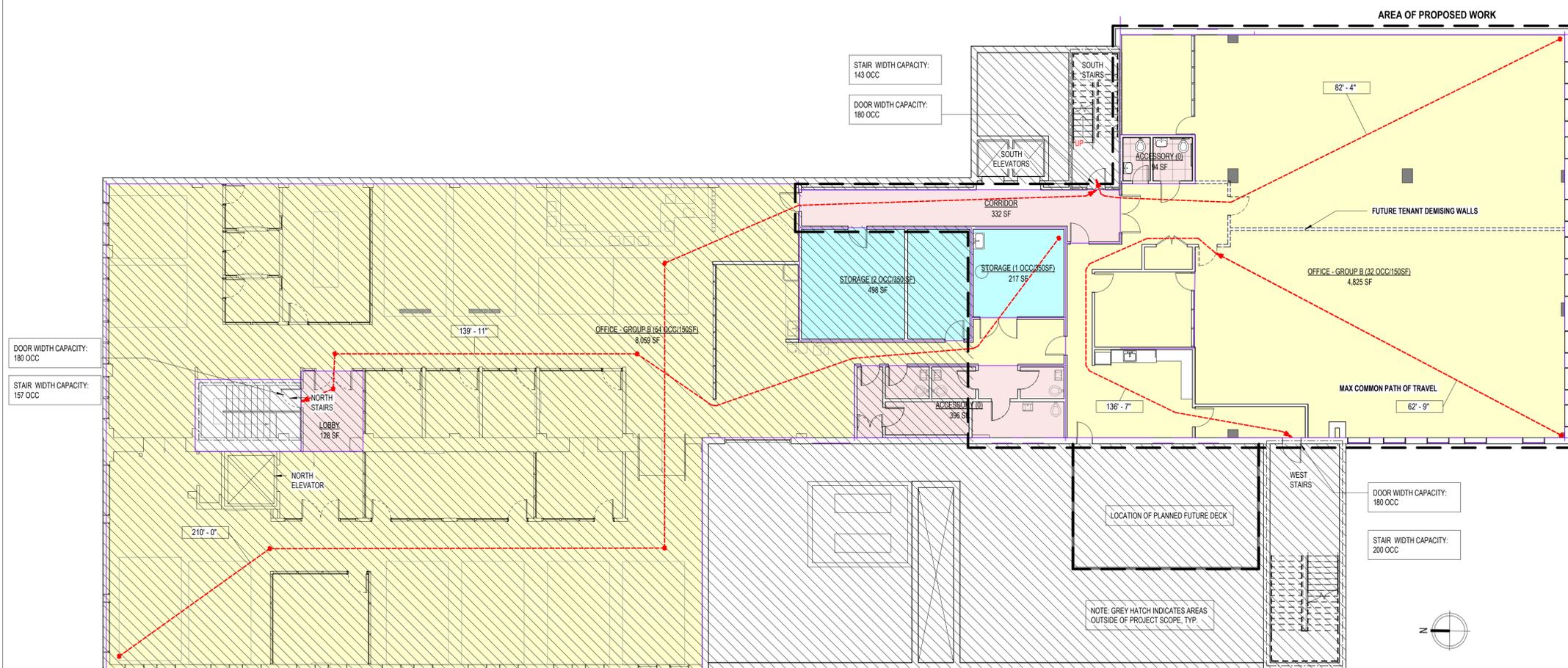
PLUMBING FIXTURE CALCULATIONS

	REQ'D	EXTG	NEW	TOTAL
WATER CLOSETS 1/25 FOR FIRST 50; 1/50 FOR REMAINDER	3	4	2	6
LAVATORIES 1/40 FOR FIRST 80; 1/80 FOR REMAINDER	3	4	2	6
DRINKING FOUNTAINS 1/100, MIN 2	2	2	0	2
SERVICE SINK	1	1	0	1

ALL WCS AND LAVS LOCATED IN SINGLE-USER TOILET ROOMS. PER
 2021 IPC 403.1.2
 DISTRIBUTION OF SEXES IN FIXTURE CALCULATIONS NOT REQUIRED
 PER 2021 IPC 403.1.1 EXCEPTION 3

PLAN LEGEND

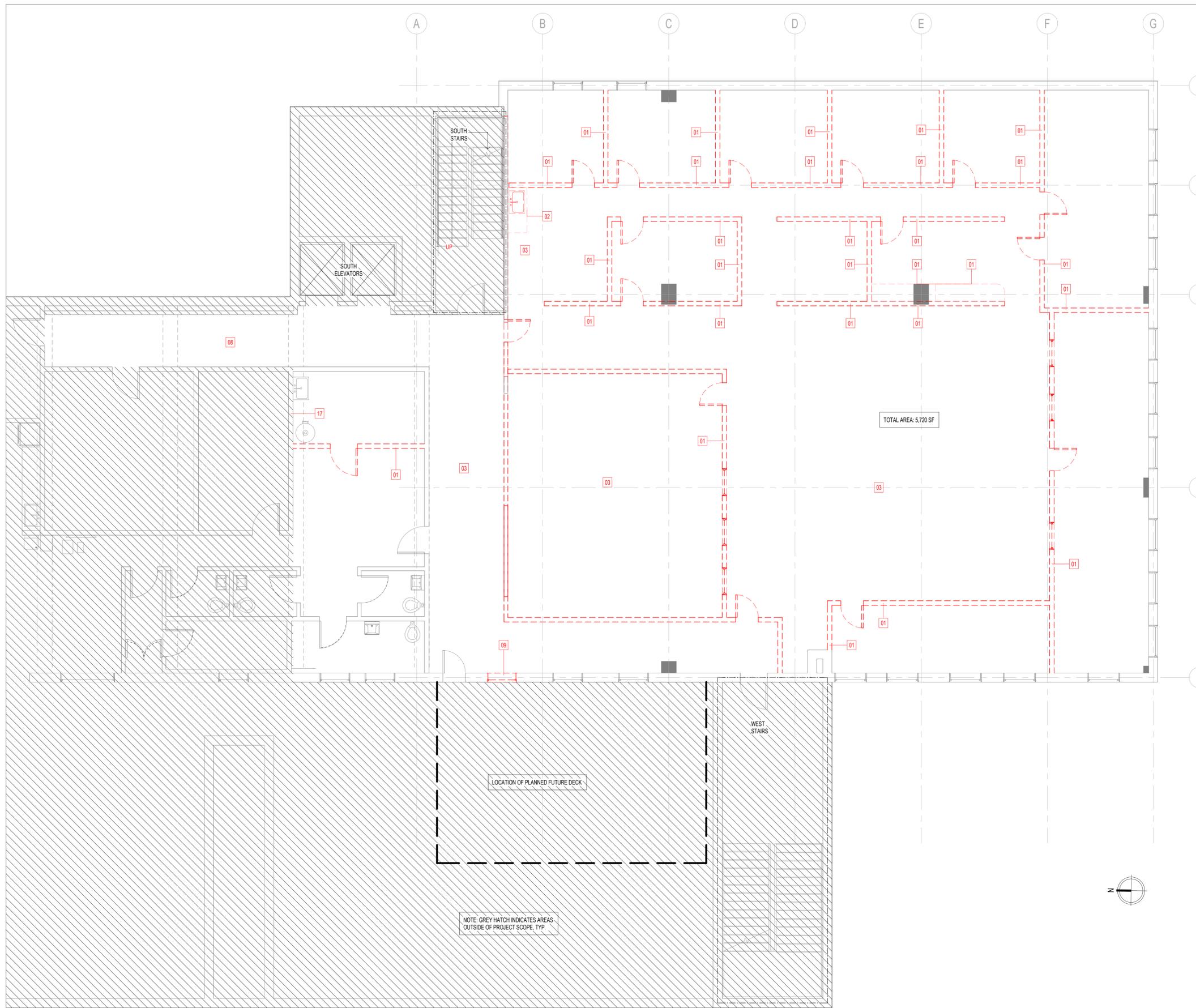
OCCUPANCY TYPE	Building Common Area
	Office Area
	Store Area



1 THIRD FLOOR CODE PLAN
 1" = 10'-0"

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DEMOLITION FLOOR PLAN KEYNOTES

01	REMOVE EXISTING INTERIOR WALLS AND ADJACENT DOORS, WINDOWS AND ELECTRICAL OUTLETS.
02	REMOVE EXISTING CABINETS, COUNTERTOPS AND ASSOCIATED SINK.
03	REMOVE EXISTING CARPET FLOORING AND OVERLAY TILES (NEAR SINK).
08	REMOVE EXISTING CARPET FLOORING. CARPET TO BE REPLACED.
09	REMOVE PARTIAL-HEIGHT WINDOW SASH. NEW FULL-HEIGHT SASH TO BE PLACED IN EXISTING WINDOW FRAME.
17	EXTG ELEC. WATER HEATER TO REMAIN. RELOCATE DISCONNECT FOR WATER HEATER TO MOP SINK WALL.

GENERAL DEMOLITION NOTES

- REFER TO ARCHITECTURAL DEMOLITION NOTES, STRUCTURAL AND MEP DRAWINGS FOR DEMOLITION AND REMOVAL REQUIREMENTS AND ITEMS TO BE SALVAGED AND INCORPORATED INTO THE WORK.
- ALL EXISTING CONSTRUCTION AND EXISTING STRUCTURAL MEMBERS ARE TO REMAIN INTACT, EXCEPT AS INDICATED BY THE DEMOLITION NOTES AND DEMOLITION PLANS. PROTECT EXISTING CONSTRUCTION AND STRUCTURAL MEMBERS DURING CONSTRUCTION. NO EXISTING STRUCTURAL MEMBERS, BEARING WALLS, OR STRUCTURAL SLABS DESIGNATED TO REMAIN SHALL BE CUT OR REMOVED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT AND ENGINEER.
- PROTECT ALL EXISTING SURFACES, ELEMENTS, EQUIPMENT, AND FIXTURES TO REMAIN. REPLACE OR REPAIR AND REFINISH ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR PATCHING AND PREPARING EXISTING SURFACES PRIOR TO NEW PAINTING, AS REQUIRED.
- REMOVE ALL ANCHORS, SCREWS, BRACKETS, GLUE, ADHESIVES, ANCHORING ITEMS, ETC. ASSOCIATED WITH DEMOLISHED ITEMS, AND LEAVE REMAINING CLEANED AND PREPPED FOR PATCHING.

DEMOLITION PLAN LEGEND

EXISTING TO REMAIN (ETR)	
EXISTING TO BE REMOVED, SEE DEMO KEYNOTES	
EXISTING DOOR TO REMAIN	
EXISTING DOORS TO BE DEMOLISHED	
EXISTING WINDOWS TO REMAIN	
EXISTING WINDOWS TO BE DEMOLISHED	
EXISTING POWER OUTLETS TO REMAIN	
EXISTING POWER OUTLETS TO BE DEMOLISHED	

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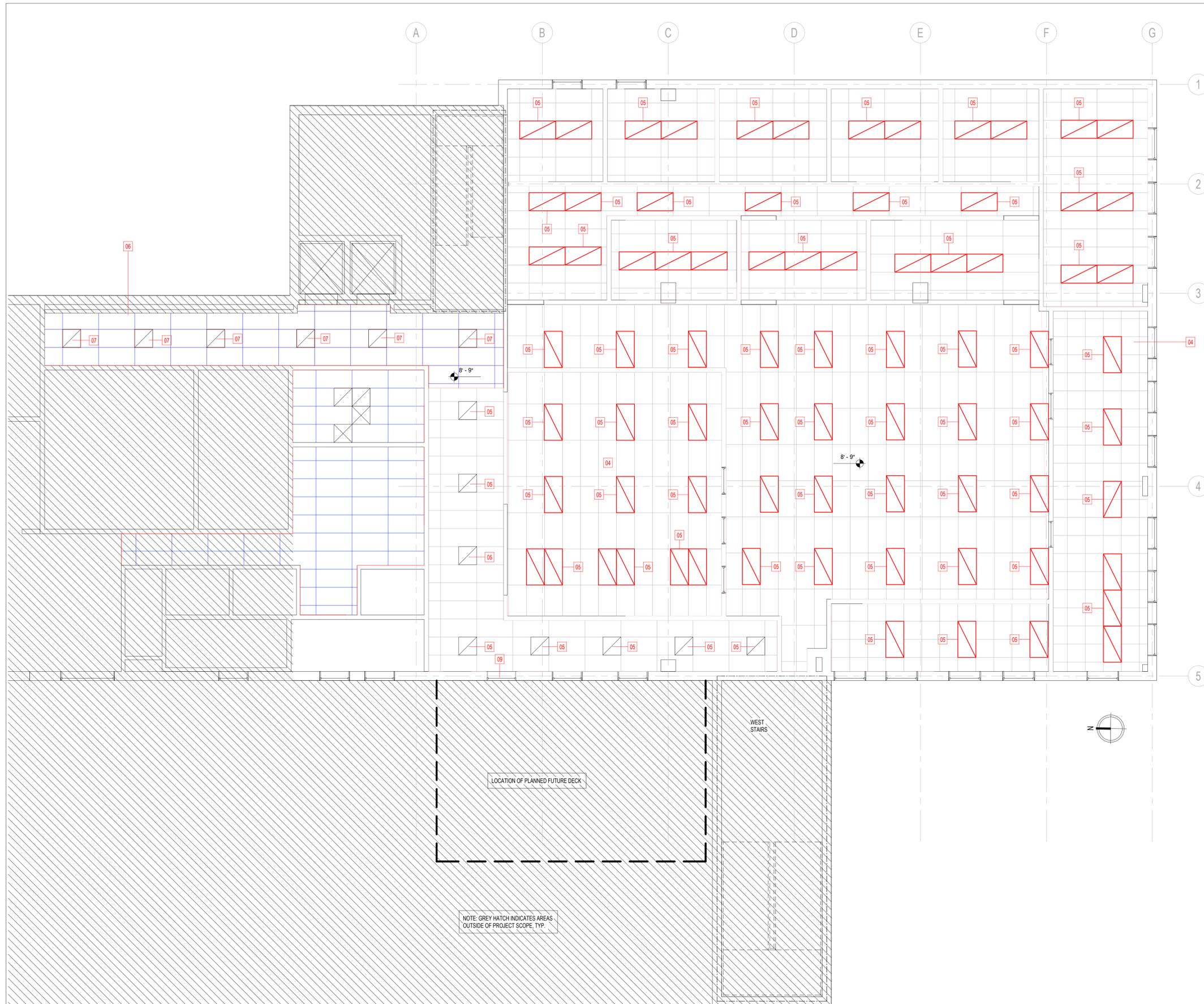
12/18/2025

DRAWING HISTORY:

1 OVERALL THIRD FLOOR DEMO PLAN
 3/16" = 1'-0"

D-101

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NOTES:
 - CEILING TILE 8'-9" AFF
 - ALL SPRINKLER PIPING EXISTING TO REMAIN (ETR) - SEE FP DRAWINGS FOR SPRINKLER HEAD REMOVALS PLAN

DEMOLITION FLOOR PLAN KEYNOTES

04	REMOVE ALL EXISTING CEILING TILES AND GRID AND ASSOCIATED AIR VENTS. CEILING TO BE OPEN TO STRUCTURE (OTS).
05	REMOVE ALL EXISTING CEILING DOWNLIGHTS. SEE ELECTRICAL DRAWINGS FOR ANY WIRING TO BE REUSED.
06	REMOVE ALL EXISTING CEILING TILES; GRID TO REMAIN. REPAIR GRID AS NECESSARY TO RECEIVE NEW CEILING TILES.
07	REMOVE EXISTING CEILING LIGHT TO BE REPLACED WITH NEW FIXTURE; WIRING TO REMAIN.
09	REMOVE PARTIAL-HEIGHT WINDOW SASH. NEW FULL-HEIGHT SASH TO BE PLACED IN EXISTING WINDOW FRAME.

GENERAL DEMOLITION NOTES

- REFER TO ARCHITECTURAL DEMOLITION NOTES, STRUCTURAL, AND MEP DRAWINGS FOR DEMOLITION AND REMOVAL REQUIREMENTS AND ITEMS TO BE SALVAGED AND INCORPORATED INTO THE WORK.
- ALL EXISTING CONSTRUCTION AND EXISTING STRUCTURAL MEMBERS ARE TO REMAIN INTACT, EXCEPT AS INDICATED BY THE DEMOLITION NOTES AND DEMOLITION PLANS. PROTECT EXISTING CONSTRUCTION AND STRUCTURAL MEMBERS DURING CONSTRUCTION. NO EXISTING STRUCTURAL MEMBERS, BEARING WALLS, OR STRUCTURAL SLABS DESIGNATED TO REMAIN SHALL BE CUT OR REMOVED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT AND ENGINEER.
- PROTECT ALL EXISTING SURFACES, ELEMENTS, EQUIPMENT, AND FIXTURES TO REMAIN. REPLACE OR REPAIR AND REFINISH ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR PATCHING AND PREPARING EXISTING SURFACES PRIOR TO NEW PAINTING, AS REQUIRED. REMOVE ALL ANCHORS, SCREWS, BRACKETS, GLUE, ADHESIVES, ANCHILLARY ITEMS, ETC. ASSOCIATED WITH DEMOLISHED ITEMS, AND LEAVE REMAINING CLEANED AND PREPPED FOR PATCHING.

CEILING TYPES
 EXISTING CEILING TO BE OTS OTS

DEMOLITION RCP LEGEND

EXISTING TO REMAIN (ETR)	
EXISTING TO BE REMOVED, SEE DEMO KEYNOTES	
EXISTING CEILING TILES TO BE REMOVED, EXISTING GRID TO BE REMOVED	
EXISTING CEILING TILES TO BE REMOVED, EXISTING GRID TO REMAIN, REPAIR AS NEEDED TO RECEIVE NEW TILES	
EXISTING CEILING DOWNLIGHTS TO BE REMOVED	

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PROJECT:

CLIMATE HAVEN

770 CHAPEL STREET
 NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
 ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/18/2025

DRAWING HISTORY:

SHEET:

THIRD FLOOR DEMO RCP

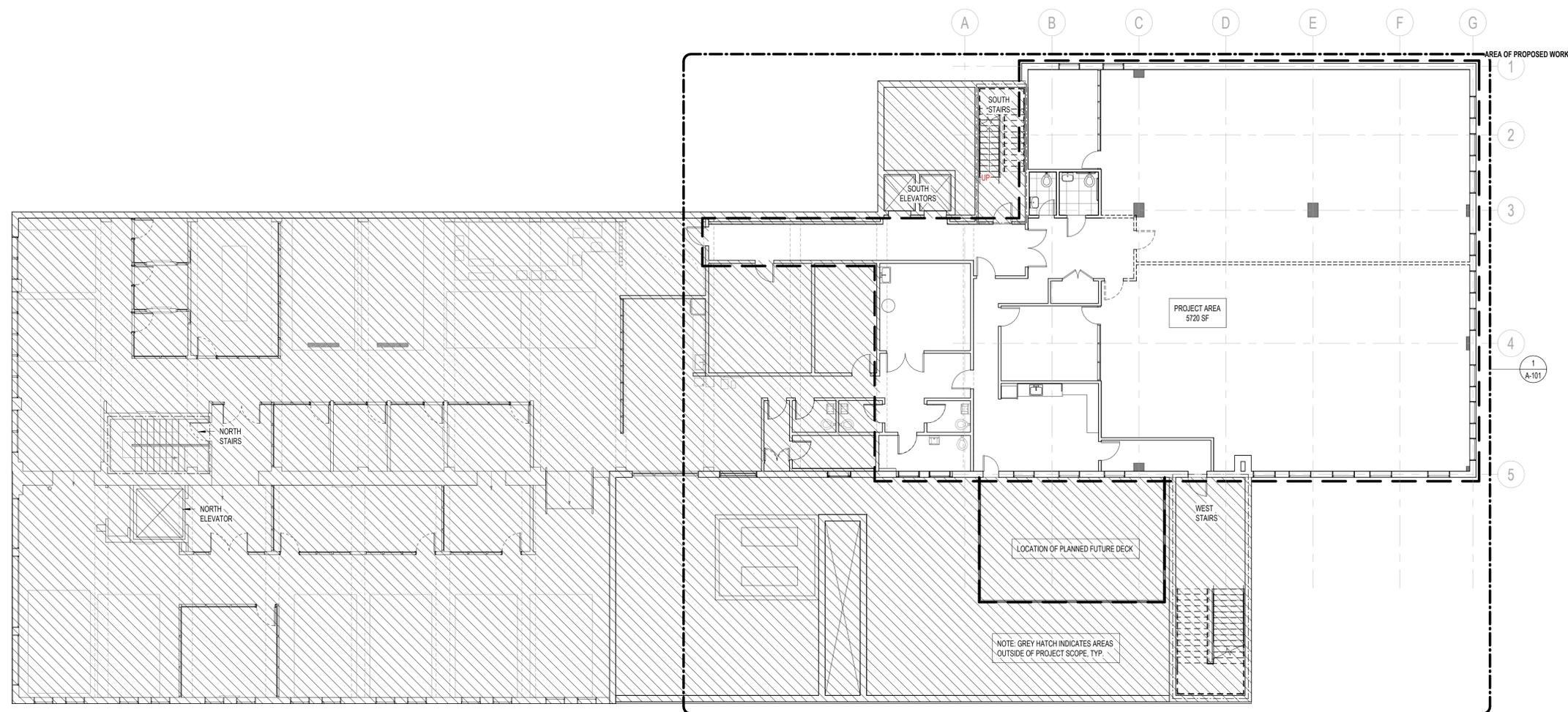
D-201

1 ENLARGED THIRD FLOOR DEMO RCP
 3/16" = 1'-0"

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1 THIRD FLOOR OVERALL PLAN
1" = 10'-0"

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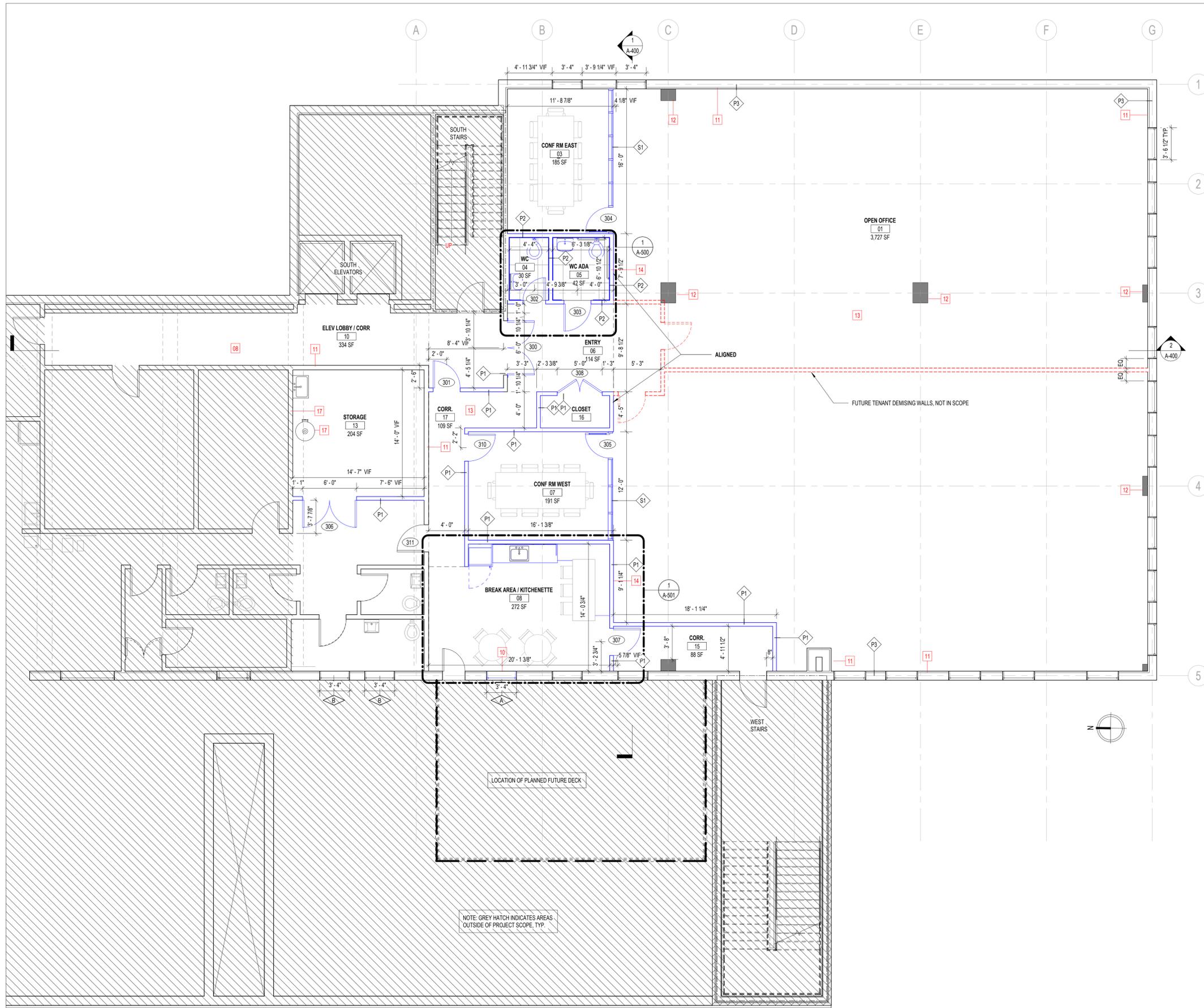
12/18/2025

DRAWING HISTORY:

SHEET:

**THIRD FLOOR OVERALL
PLAN**

A-100



1 THIRD FLOOR CONSTRUCTION PLAN
3/16" = 1'-0"

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BID DRAWINGS

DATE:
12/18/2025

DRAWING HISTORY:

SHEET:

**THIRD FLOOR
CONSTRUCTION PLAN**

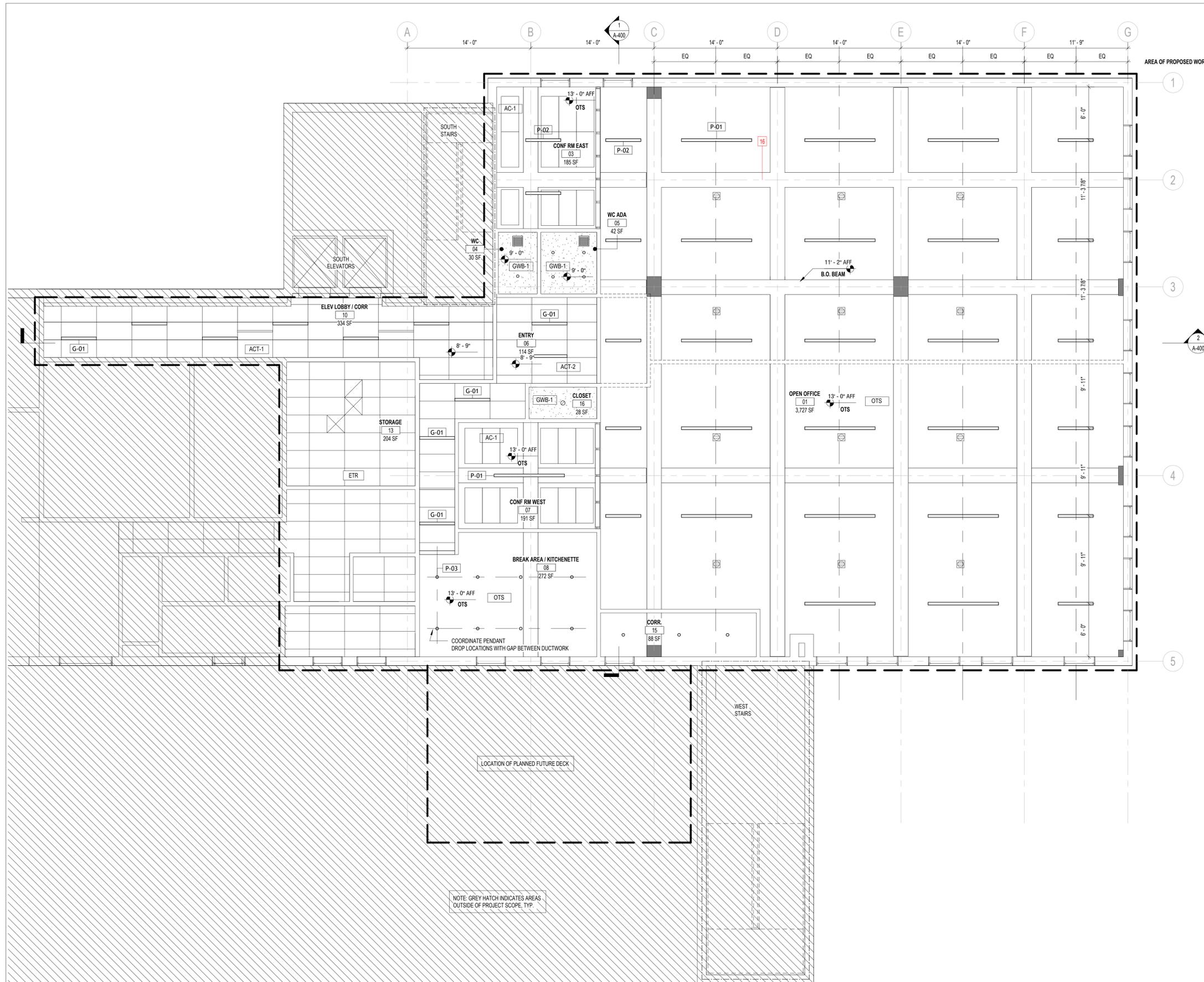
A-101

CONSTRUCTION FLOOR PLAN KEYNOTES

08	REMOVE EXISTING CARPET FLOORING. CARPET TO BE REPLACED.
10	NEW FIXED WINDOW SASH IN EXISTING FRAME. MATCH ADJACENT WINDOWS
11	PATCH AND PAINT EXISTING WALLS AND DOORS. SEE ROOM SCHEDULE FOR FINISHES
12	ALL EXPOSED STRUCTURE TO BE REPAINTED TO MATCH WALLS
13	REMOVE ANY ADHESIVE AND CLEAN EXISTING TILES FOR USE AS FINISH FLOORING. PATCH AND REPAIR AS REQUIRED
14	PROVIDE ROUGH-INS FOR FUTURE SINK AT THIS WALL
17	EXTG ELEC. WATER HEATER TO REMAIN. RELOCATE DISCONNECT FOR WATER HEATER TO MOP SINK WALL

PLAN LEGEND

EXISTING TO REMAIN (ETR) WALLS	
NEW WALLS	
FUTURE WALLS, NOT IN SCOPE	
ETR DOOR, FRAME, AND ASSOCIATED HARDWARE	
NEW DOOR, FRAME, AND ASSOCIATED HARDWARE	
ETR WINDOWS	
NEW WINDOWS	
NEW STOREFRONT, FRAME, AND ASSOCIATED DOOR AND HARDWARE	
DOOR TAG	
PARTITION TYPE TAG	
WINDOW TYPE TAG	



AREA OF PROPOSED WORK

REFLECTED CEILING PLAN KEYNOTES

16 ALL EXPOSED STRUCTURE, DUCTWORK AND PIPES TO BE PAINTED TO MATCH CEILING

- RCP LEGEND
- SPRINKLER HEAD - PENDENT
 - SPRINKLER HEAD - UPRIGHT
 - LIGHTING FIXTURE - GRID
 - LIGHTING FIXTURE - RECESSED
 - LIGHTING FIXTURE - LINEAR PENDANT
 - LIGHTING FIXTURE - CYLINDER PENDANT
 - OUTLET - DUPLEX - CEILING MOUNTED

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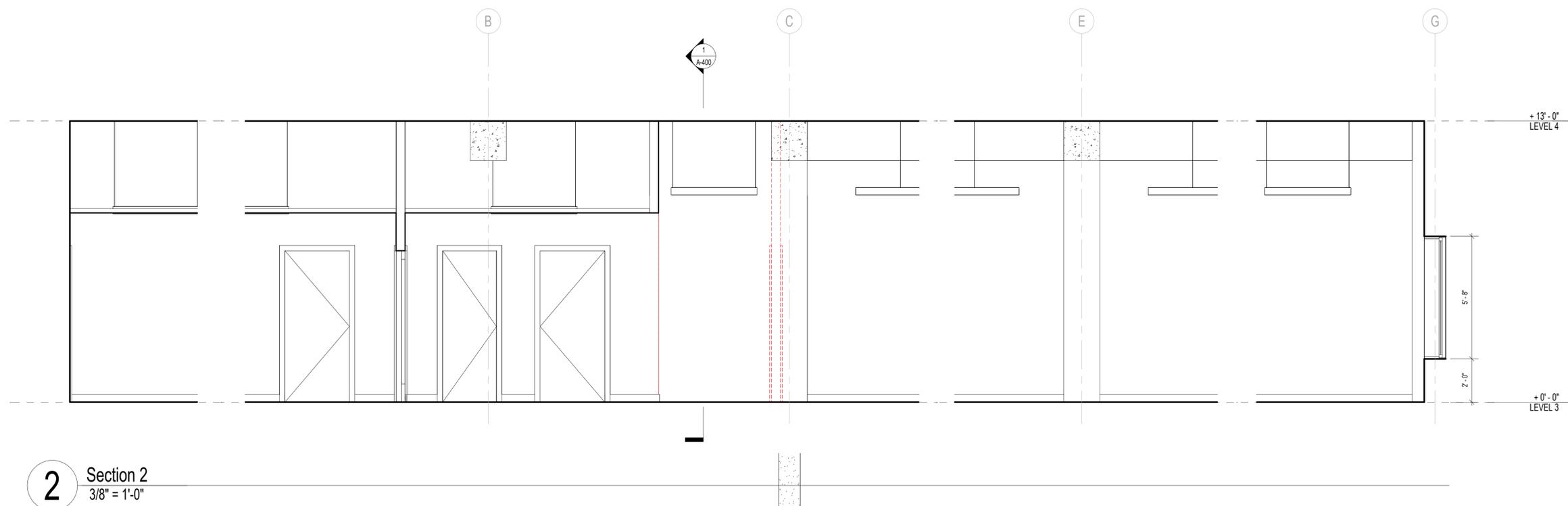
THIRD FLOOR REFLECTED CEILING PLAN

1 ENLARGED THIRD FLOOR DEMO RCP
 3/16" = 1'-0"

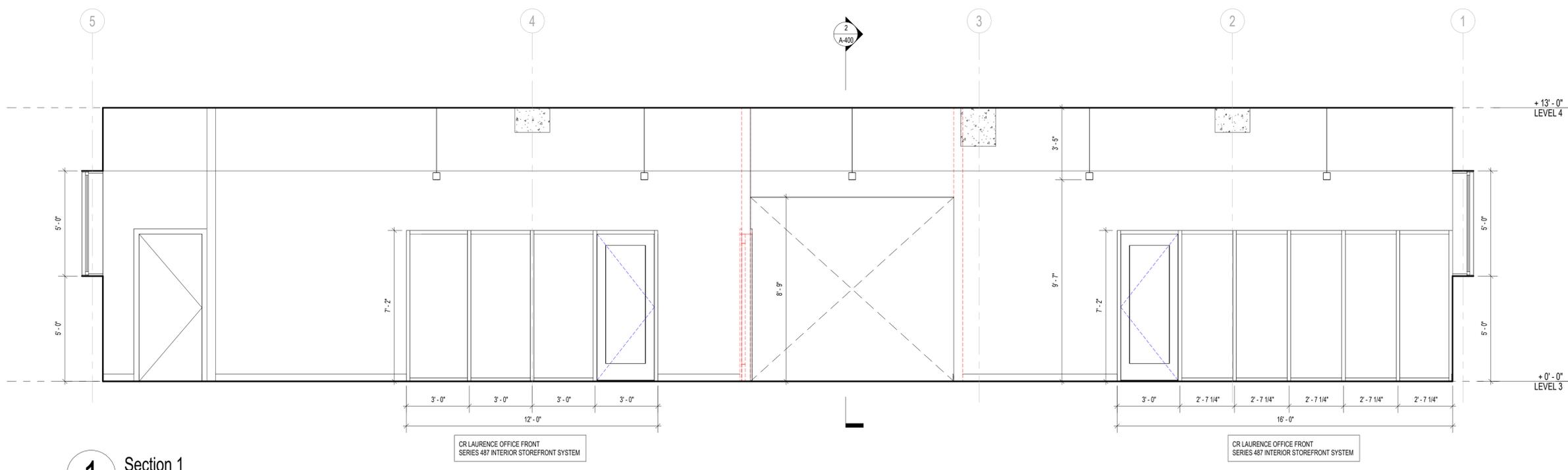
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2 Section 2
3/8" = 1'-0"



1 Section 1
3/8" = 1'-0"

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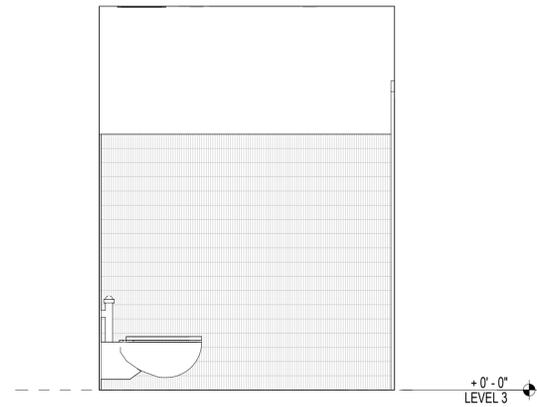
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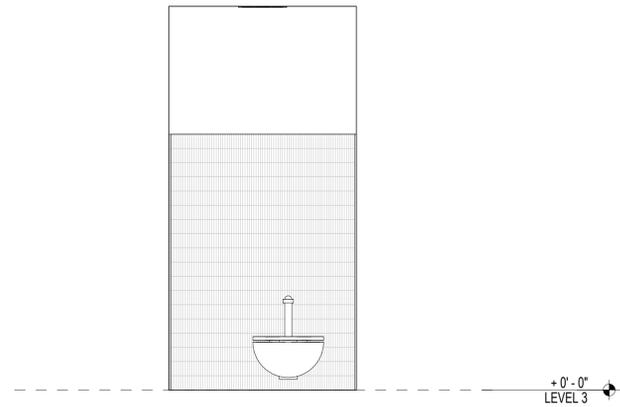
OVERALL SECTIONS

A-400

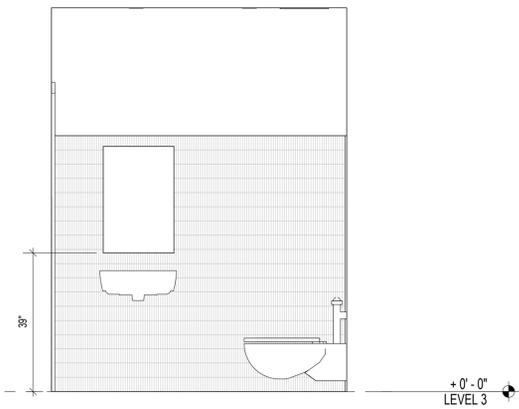
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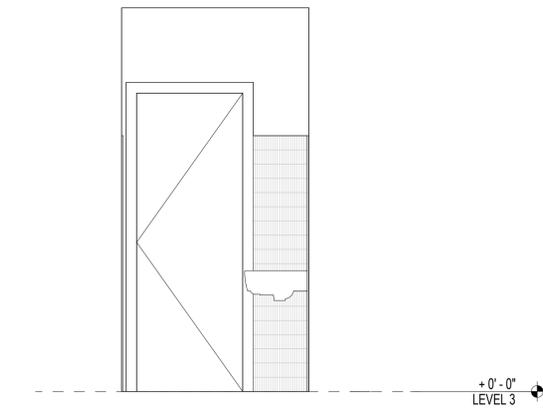
9 Elevation 2 - d
1/2" = 1'-0"



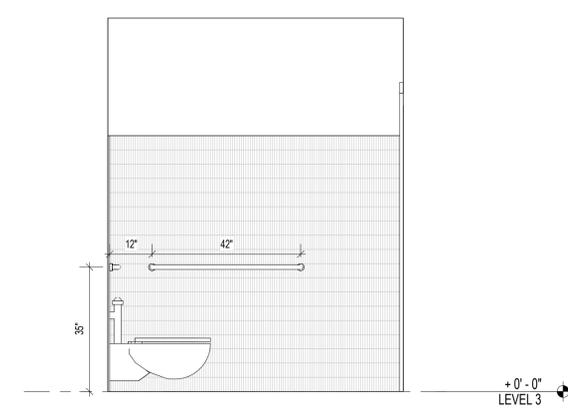
8 Elevation 2 - c
1/2" = 1'-0"



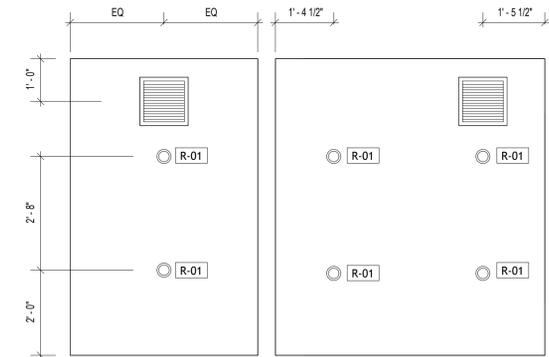
7 Elevation 2 - b
1/2" = 1'-0"



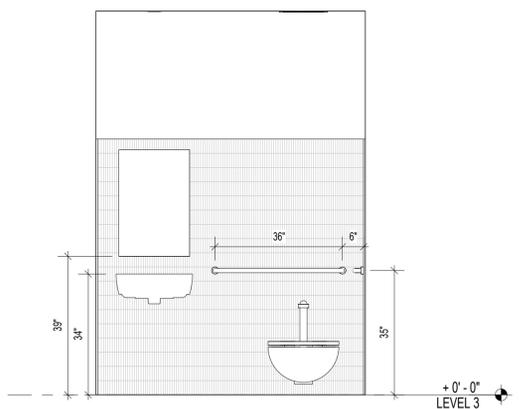
6 Elevation 2 - a
1/2" = 1'-0"



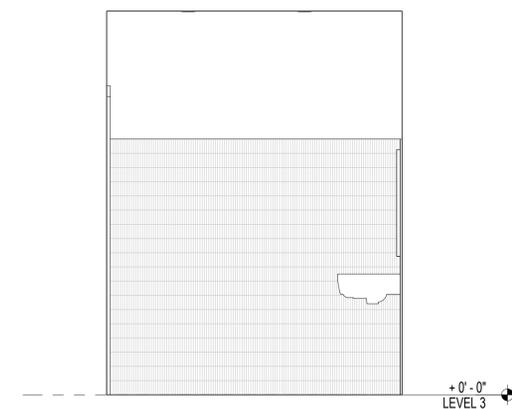
5 Elevation 1 - d
1/2" = 1'-0"



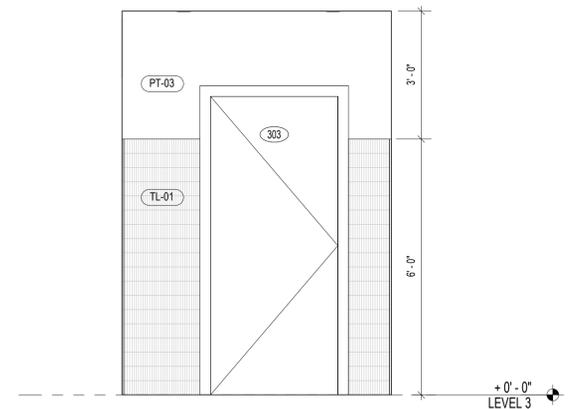
10 ENLARGED RCP AT BATHROOMS
1/2" = 1'-0"



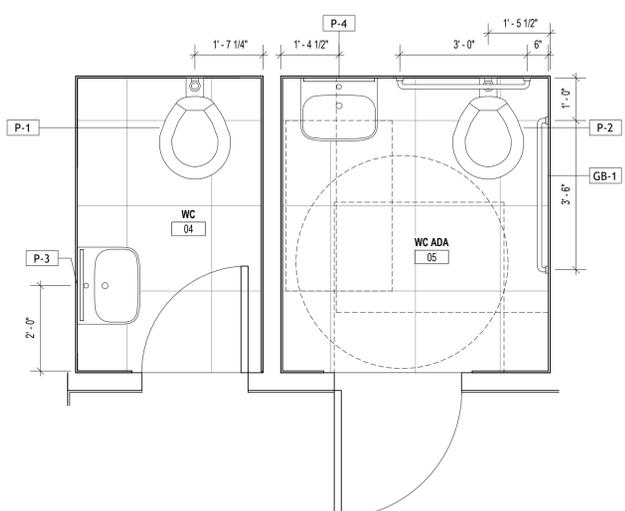
4 Elevation 1 - c
1/2" = 1'-0"



3 Elevation 1 - b
1/2" = 1'-0"



2 Elevation 1 - a
1/2" = 1'-0"



1 ENLARGED PLAN AT BATHROOMS
1/2" = 1'-0"

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PROJECT PHASE:

BID DRAWINGS

DATE:

12/18/2025

DRAWING HISTORY:

SHEET:

**BATHROOM ENLARGED
 PLAN AND ELEVATIONS**

A-500

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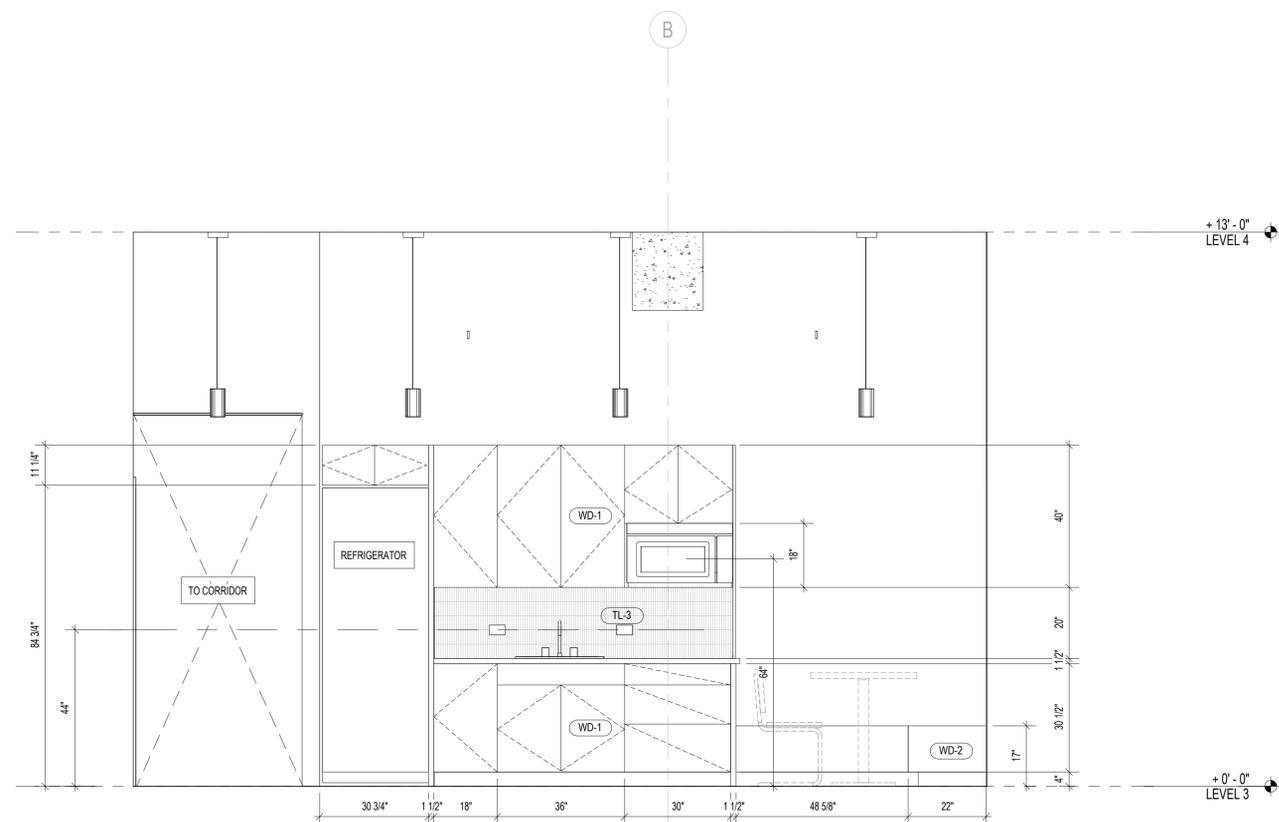
12/18/2025

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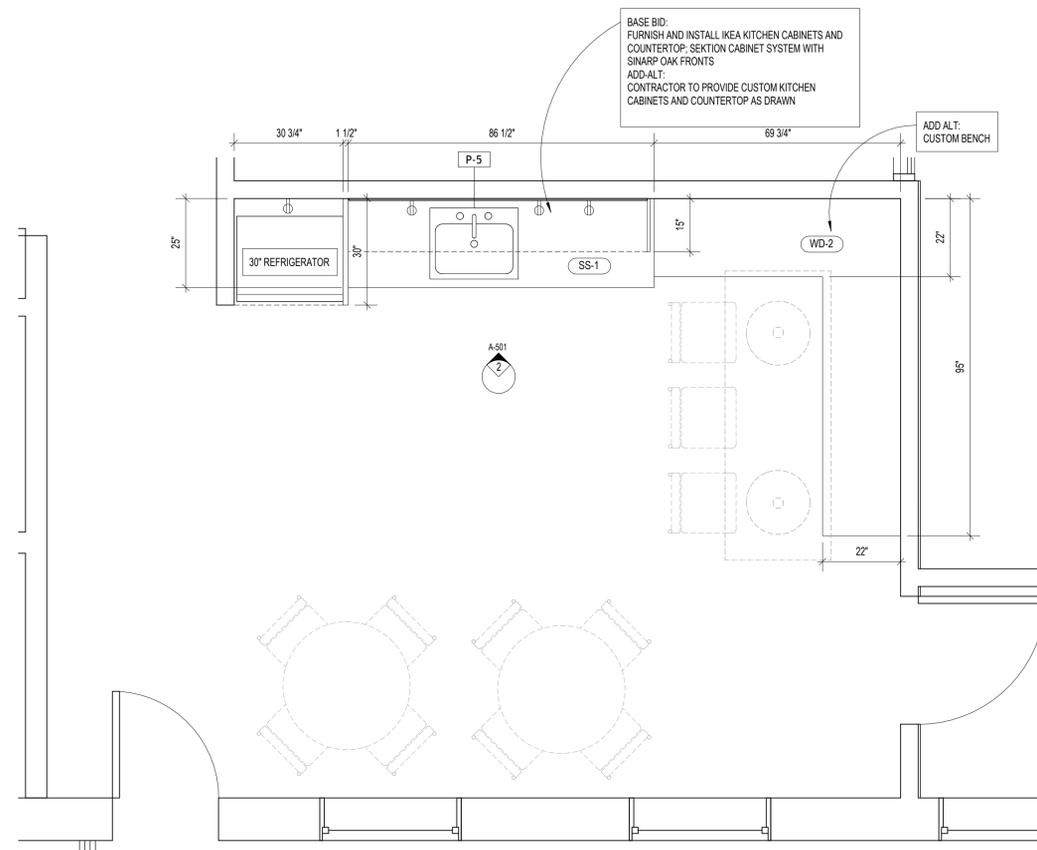
SHEET:

**KITCHENETTE ENLARGED
 PLAN & ELEVATIONS**

A-501



2 KITCHENETTE WALL
 1/2" = 1'-0"



1 ENLARGED PLAN AT KITCHENETTE
 1/2" = 1'-0"

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ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
01	OPEN OFFICE	TL-1	B-1	PT-2	OTS	
03	CONF RM EAST	TL-1	B-1	PT-2	OTS, AC-1	
04	WC	TL-2	N/A	TL-3 / PT-3	GWB-1	SEE DWGS FOR WALL TILE EXTENTS
05	WC ADA	TL-2	N/A	TL-3 / PT-3	GWB-1	SEE DWGS FOR WALL TILE EXTENTS
06	ENTRY	TL-1	B-1	PT-2	ACT-2	
07	CONF RM WEST	TL-1	B-1	PT-2	OTS, AC-1	
08	BREAK AREA / KITCHENETTE	TL-1	B-1	PT-4 / TL-3	OTS	TL-3 AT BACKSPLASH ONLY
10	ELEV LOBBY / CORR	CPT-1	B-1	PT-1	ACT-1	
13	STORAGE	TL-1	B-1	PT-1	ACT-1	
15	CORR	TL-1	B-1	PT-1	OTS	
16	CLOSET	TL-1	B-1	PT-1	GWB-1	
17	CORR	TL-1	B-1	PT-2	ACT-2	

PLUMBING EQUIPMENT & ACCESSORIES SCHEDULE

KITCHENETTE						
TAG	LOCATION	ITEM	MANUFACTURER/DISTRIBUTOR	TYPE	FINISH/COLOR	SIZE
P-5	KITCHENETTE	TOP MOUNT SINGLE BASIN SINK	ELKAY	ELUH2115	STAINLESS STEEL	WIDTH: 23 1/2" DEPTH: 17 1/4" HEIGHT: 7 1/2"
P-5	KITCHENETTE	KITCHEN FAUCET	ELKAY	LK6000CR	CHROME	REF PLUMBING DRAWINGS
RESTROOMS						
TAG	LOCATION	ITEM	MANUFACTURER/DISTRIBUTOR	TYPE	FINISH/COLOR	SIZE
P-1	RESTROOM	WATER CLOSET	REF PLUMBING DRAWINGS	REF PLUMBING DRAWINGS	WHITE	
P-2	RESTROOM - ADA	WATER CLOSET	REF PLUMBING DRAWINGS	REF PLUMBING DRAWINGS	WHITE	
P-3	RESTROOM	WALL-HUNG LAVATORY & FAUCET	REF PLUMBING DRAWINGS	REF PLUMBING DRAWINGS		
P-4	RESTROOM - ADA	WALL-HUNG LAVATORY & FAUCET	REF PLUMBING DRAWINGS	REF PLUMBING DRAWINGS		
PA-1	RESTROOMS	GRAB BAR SET	BOBRICK	B9806	SATIN FINISH	(1) 36" (1) 42" (1) 18"
PA-2	RESTROOMS	MIRROR	REJUVENATION	FRAMELESS RECTANGULAR MIRROR SKU: 5947188	N/A	WIDTH: 24" DEPTH: 36"
PA-3	RESTROOMS	SHELF	KOHLER	CHOREOGRAPH 14" SHELF	MATTE BLACK	WIDTH: 14" DEPTH: 2"
PA-4	RESTROOM - ADA	P TRAP COVER	REF PLUMBING DRAWINGS	REF PLUMBING DRAWINGS		
PA-5	RESTROOMS	MULTIFOLD PAPER TOWEL DISPENSER	BOBRICK	B-2620	STAINLESS STEEL	DEPTH: 4" WIDTH: 10-3/4" HEIGHT: 14"
PA-6	RESTROOMS	TOILET PAPER DISPENSER - DOUBLE	BOBRICK	B-265	STAINLESS STEEL	DEPTH: 4-1/2" WIDTH: 12-1/2" HEIGHT: 2-3/4"
PA-7	RESTROOMS	SANITARY WASTE BIN	GLOBAL INDUSTRIAL	WB641087	STAINLESS STEEL	LENGTH: 3-7/8" WIDTH: 7-1/2" HEIGHT: 9-1/2"

LIGHTING FIXTURE SCHEDULE

TAG	LOCATION	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL	FINISH/COLOR	COLOR TEMP	SIZE	NOTES
RECESSED								
R-01	BATHROOMS	LED RECESSED ROUND DOWNLIGHT	USA LIGHTING	SEE ELECTRICAL DWGS	WHITE/WHITE	3500K	3" DIA	SEE ELECTRICAL DWGS
PENDANT								
P-01	OPEN OFFICE	LINEAR UP/DOWN PENDANT - 8FT	FINELITE	SEE ELECTRICAL DWGS	TBC	3500K	96" LENGTH	SEE ELECTRICAL DWGS
P-02	OPEN OFFICE	LINEAR UP/DOWN PENDANT - 4FT	FINELITE	SEE ELECTRICAL DWGS	TBC	3500K	48" LENGTH	SEE ELECTRICAL DWGS
P-03	KITCHENETTE	CYLINDER PENDANT	ALCON	SEE ELECTRICAL DWGS	TBC	3500K	4" DIA	SEE ELECTRICAL DWGS
GRID								
G-01	ACT CEILING	LINEAR RECESSED - 4FT	FINELITE	SEE ELECTRICAL DWGS	TBC	3500K	48" LENGTH	SEE ELECTRICAL DWGS
G-02	ACT CEILING	LED PANEL	PHILLIPS	SEE ELECTRICAL DWGS				

FINISH SCHEDULE

TAG	LOCATION	ITEM	MANUFACTURER/DISTRIBUTOR	TYPE	FINISH/COLOR	SIZE	NOTES
FLOOR FINISHES							
TILE							
TL-1	THROUGHOUT	EXISTING TILE	N/A	N/A	CLEAN & RESEAL	N/A	
TL-2	BATHROOMS	FLOOR TILE	NASCO STONE AND TILE	PORCELAIN TILE, 3/8" THK	ODYSSEY ASH	24 x 24	1/16" GROUT SIZE, COLOR TBC
CARPET							
CPT-1	ELEVATOR LOBBY	CARPET TILE	INTERFACE	WORLD WOVEN COLLECTION WW870	TBC	25cm x 1m	
BASE							
B-1	THROUGHOUT	RUBBER BASE	ROPPE	VINYL BASE	TBC	4" STRAIGHT, 1/8" TH	
WALL FINISHES							
PAINT							
PT-1	ELEV LOBBY	PAINT		BENJAMIN MOORE ULTRA SPEC 500 EGG SHELL, ZERO VOC	TBC	N/A	
PT-2	ENTRY, CORRIDOR, OPEN OFFICE	PAINT		BENJAMIN MOORE ULTRA SPEC 500 EGG SHELL, ZERO VOC	TBC		
PT-3	BATHROOMS	PAINT		BENJAMIN MOORE ULTRA SPEC 500 EGG SHELL, ZERO VOC	TBC		
PT-4	KITCHENETTE	PAINT		BENJAMIN MOORE ULTRA SPEC 500 EGG SHELL, ZERO VOC	TBC		
TILE							
TL-3	RESTROOMS, KITCHENETTE	WALL TILE - SEE DWGS FOR EXTENTS / BACKSPLASH	NASCO STONE AND TILE	CERAMIC TILE, 1/4" THK	BLISS BARS WHITE	8 x 8	1/16" GROUT SIZE, COLOR TBC
CEILING FINISHES							
ACT-1	ELEVATOR LOBBY & CORRIDOR	ACOUSTIC CEILING TILES IN EXISTING GRID	ARMSTRONG	ULTIMA 1996 BEVELED TEGULAR 9/16 . 65 NRC / 35 CAC	WHITE	24" X 48"	EXISTING GRID
ACT-2	ENTRY & CORRIDOR	ACOUSTIC CEILING TILES WITH NEW GRID	ARMSTRONG	ULTIMA 1996 BEVELED TEGULAR 9/16 . 65 NRC / 35 CAC	WHITE	24" X 24"	SUPRAFINE XL 9/16" SQUARE TEGULAR GRID, AXIOM CLASSIC PERIMETER TRIM
GWB-1	RESTROOMS, CLOSET	GWB	BY GC	PAINTED DRYWALL	BENJAMIN MOORE OC-17 WHITE DOVE FLAT	N/A	
AC-1	CONFERENCE ROOMS	TECTUM PANELS	ARMSTRONG	DIRECT-ATTACH DRYFALL PAINT, BENJAMIN MOORE LATEX DRYFALL FLAT OR APPROVED EQUAL	TBC	24" x 48" ALL EDGES BEVELED	DIRECT-ATTACH TO SLAB ABOVE
OTS	OPEN CEILINGS	PAINTED EXPOSED STRUCTURE & MECHANICALS	EXISTING		TBC	N/A	ALL VISIBLE EXPOSED STRUCTURE, DUCTWORK AND PIPING TO RECEIVE PAINT FINISH
MILLWORK FINISHES							
WOOD							
WD-1	KITCHENETTE	CABINET FRONTS	CUSTOM	PLYWOOD CABINETS, PRE-FINISHED MAPLE INTERIORS	WHITE OAK PLAIN-SAWN VENEER SLAB DOORS AND DRAWER FRONTS, CLEAR SATIN FINISH	SEE DRAWINGS	ADD-ALT FINISH
WD-2	KITCHENETTE	BUILT-IN BENCH	CUSTOM		WHITE OAK PLAIN-SAWN VENEER, CLEAR SATIN FINISH	SEE DRAWINGS	ADD-ALT FINISH
COUNTERTOP							
SS-1	KITCHENETTE	COUNTERTOP	CORIAN	1/2" SOLID SURFACE	NEUTRAL CONCRETE	SEE DRAWINGS	ADD-ALT FINISH

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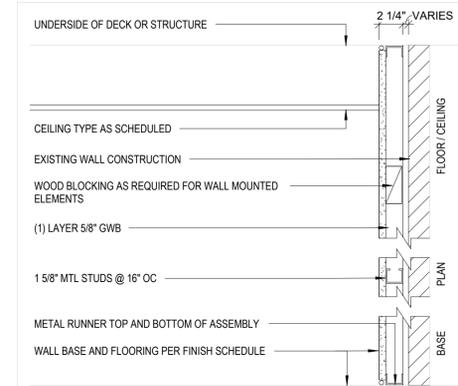
SCHEDULES

A-900

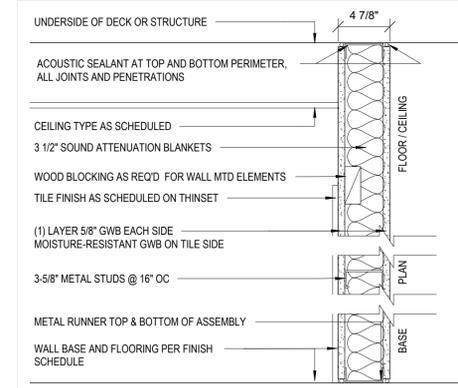
ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL CODES AND REGULATIONS HAVING JURISDICTION OVER THIS SITE LOCATION.

ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT. THESE DRAWINGS MUST NOT BE SCALED.

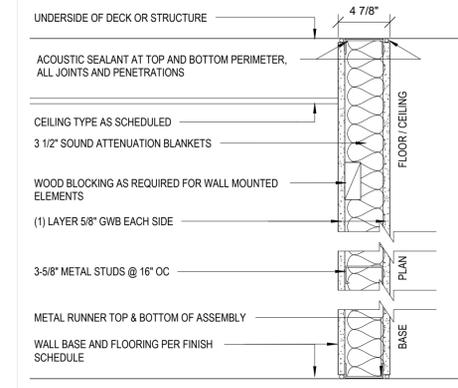
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P3 2 1/4" FURRED WALL
NO FIRE RESISTANCE RATING



P2 4 7/8" NON-FIRE RATED ACOUSTIC PARTITION STC-45 - WET WALL
0HR UL DESIGN U465 STC = 49+

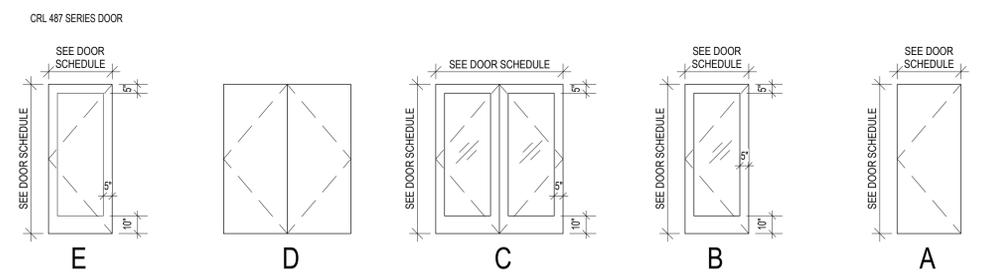


P1 4 7/8" NON-FIRE RATED ACOUSTIC PARTITION STC-45
0HR UL DESIGN U465 STC = 49+

PARTITION TYPES

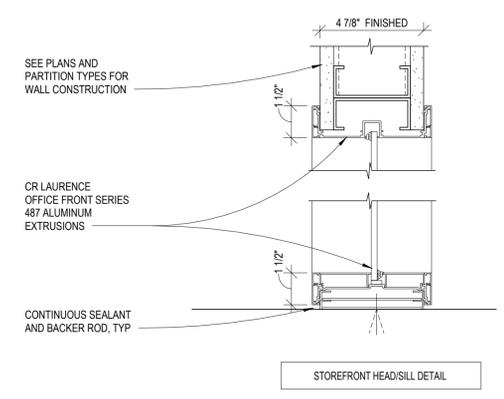
DOOR HARDWARE SCHEDULE						
Hardware Set	Hinges	Lockset	Closer	Access Control	Comments	
1 - FOB ACCESS DOUBLE	Sargent 350 Series	Sargent 8200 Series Electrified Mortise	Norton 7500	Incedo Wired Key Card Reader	Provide wiring for electrified mortise and reader	
2 - FOB ACCESS SINGLE	Sargent 350 Series	Sargent 8200 Series Electrified Mortise	Norton 7500	Incedo Wired Key Card Reader	Provide wiring for electrified mortise and reader	
3 - PRIVACY SINGLE	Sargent 350 Series	Sargent 8200 Series Privacy Function	Norton 1601			
4 - PASSAGE STOREFRONT	McKinney TAZ214	Corbin Russwin ML2000 Passage	Norton 1601		Confirm compatibility with CRL Series 487 Door and Frames	
5 - KEYPAD DOUBLE	Sargent 350 Series	Sargent KP8200 Series Keypad Mortise	Norton 7500			
6 - EXIT ONLY SINGLE	Sargent 350 Series	Sargent 8200 Series Exit Only Function	Norton 7500			
7 - PASSAGE DOUBLE	Sargent 350 Series	Sargent 8200 Series Passage Function	Norton 1601			
8 - KEYPAD SINGLE	Sargent 350 Series	Sargent KP8200 Series Keypad Mortise	Norton 7500			

DOOR SCHEDULE										
NO.	DOOR					FRAME		Hardware Set Key Schedule	Operation	
	TYPE	HEIGHT	WIDTH	MATERIAL	FIRE RATING	MATERIAL	TYPE			
300	C	7'-0"	6'-0"	HM/GL	N/A	HM	1	1 - FOB ACCESS DOUBLE	DOUBLE INSWING	
301	B	7'-0"	3'-0"	HM/GL	N/A	HM	1	2 - FOB ACCESS SINGLE	RH OUTSWING	
302	A	7'-0"	2'-6"	WD	N/A	HM	1	3 - PRIVACY SINGLE	RH INSWING	
303	A	7'-0"	3'-0"	WD	N/A	HM	1	3 - PRIVACY SINGLE	LH OUTSWING	
304	E	7'-0"	2'-9"	AL/GL	N/A	AL	1	4 - PASSAGE STOREFRONT	LH INSWING	
305	E	7'-0"	2'-9"	AL/GL	N/A	AL	1	4 - PASSAGE STOREFRONT	RH INSWING	
306	D	7'-0"	6'-0"	WD	N/A	HM	1	5 - KEYPAD DOUBLE	DOUBLE OUTSWING	
307	F	7'-0"	3'-0"	WD	N/A	HM	1	6 - EXIT ONLY SINGLE	LH INSWING	
308	D	7'-0"	5'-0"	WD	N/A	HM	1	7 - PASSAGE DOUBLE	DOUBLE OUTSWING	
310	A	7'-0"	3'-0"	WD	N/A	HM	1	8 - KEYPAD SINGLE	LH INSWING	



DOOR TYPES

FRAME TYPES



STOREFRONT DETAIL

ARCHITECT:



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PROJECT:

CLIMATE HAVEN

770 CHAPEL STREET
NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/18/2025

DRAWING HISTORY:

SHEET:

PARTITION AND DOOR TYPES

A-901

MECHANICAL SPECIFICATIONS

SCOPE

THE WORK TO BE DONE UNDER THIS DIVISION OF THE SPECIFICATIONS INCLUDE THE FURNISHING OF ALL EQUIPMENT, SUPPLIES, LABOR, SUPERVISION AND ALL MATERIALS NOT SPECIFICALLY MENTIONED, READY FOR USE, PLUMBING, FIRE SPRINKLER, HEATING, VENTILATION AND AIR CONDITIONING EQUIPMENT AND ASSOCIATED ITEMS. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION.

IT IS THE INTENT THAT ALL MECHANICAL WORK AND MATERIALS NECESSARY TO COMPLETE THE ENTIRE PROJECT IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS, WHERE SPECIFIED HERE OR NOT, SHALL BE FURNISHED. ALL WORK AND MATERIALS NECESSARY TO FULFILL THIS INTENT SHALL BE SUPPLIED UNDER THE MECHANICAL SPECIFICATIONS WITHOUT ADDITIONAL COST TO THE OWNER.

CODES, RULES, PERMITS AND FEES

THIS CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL STATE AND LOCAL TAXES, FEES AND OTHER COSTS IN CONNECTION WITH HIS WORK; FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL STATE AND LOCAL DEPARTMENTS HAVING JURISDICTION; OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVERY OF SAME TO THE OWNER BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. THIS CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS), IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WHETHER OR NOT SHOWN ON THE DRAWINGS AND/OR SPECIFIED. THIS CONTRACTOR SHALL PERFORM AND FILE ALL TESTS IN ACCORDANCE WITH CURRENT REGULATIONS OF THE STATE AND LOCAL AUTHORITIES. HE SHALL FURNISH AND INSTALL ALL SIGNS REQUIRED BY THE STATE AND LOCAL AUTHORITIES. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH ALL RULES AND RECOMMENDATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, WITH ALL REQUIREMENTS OF LOCAL UTILITIES COMPANIES, WITH THE RECOMMENDATIONS OF THE FIRE INSURANCE RATING ORGANIZATION HAVING JURISDICTION.

REGULATIONS

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CURRENT STATE OF CONNECTICUT BASIC BUILDING CODE, THE CURRENT STATE FIRE SAFETY CODE, ADA, UL, NFPA, INTERNATIONAL PLUMBING & MECHANICAL CODES AND NFPA, WITH ALL REQUIREMENTS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION. REQUIREMENTS OF THE ABOVE SHALL TAKE PRECEDENCE OVER PLANS AND SPECIFICATIONS.

GUARANTEE AND SERVICE

THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE INSTALLATION. IN ADDITION, THE CONTRACTOR SHALL PROVIDE, FREE OF CHARGE, ONE YEAR'S MAINTENANCE GUARANTEE OF MAINTAINED SERVICE AND ADJUSTMENT OF ALL EQUIPMENT IN THIS CONTRACT.

DRAWINGS AND INTENT

DRAWINGS ARE INTENDED AS WORKING DRAWINGS FOR GENERAL LAYOUT OF THE VARIOUS ITEMS OF EQUIPMENT, HOWEVER, LAYOUT OF EQUIPMENT, PRESSURES, AND PIPING SYSTEMS ARE DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED, AND DO NOT NECESSARILY INDICATE EVERY REQUIRED PIPE, VALVE, FITTINGS, TRAP, ELBOW, TRANSITION, OFFSETS, JUNCTION OR PULLBOX, OR SIMILAR ITEMS REQUIRED FOR A COMPLETE INSTALLATION.

RELATED WORK IN OTHER DIVISIONS

ALL ELECTRICAL WORK, SETTING OF ACCESS DOORS IN HUNG CEILINGS, WALL AND FURRED SPACES, FINISHED PAINTING OF PIPING AND EQUIPMENT, CUTTING & PATCHING AND CONCRETE WORK WILL BE DONE BY OTHER CONTRACTORS.

PLUMBING AND MECHANICAL CONTRACTORS SHALL FURNISH THE GENERAL CONTRACTOR WITH ALL SIZES AND LOCATIONS OF ALL PIPING AND DUCT CHASES AND OPENINGS WHICH OCCUR IN WALLS, PARTITIONS, FLOORS, ETC.. ALL REQUIRED OPENINGS AND CHASES FOR THE INSTALLATION OF ALL WORK CALLED FOR UNDER THIS CONTRACT, WILL BE DONE BY THE GENERAL CONTRACTOR, EXCEPT CUTTING REQUIRED FOR THE INSTALLATION OF PIPING AND DUCT HANGERS.

MEASUREMENTS

ALL FIELD MEASUREMENTS TAKEN AT THE BUILDING, SHALL TAKE PRECEDENCE OVER SCALED DRAWING DIMENSIONS. EVERY PART OF ALL SCALED PLANS SHALL BE FITTED TO THE ACTUAL CONDITIONS AT THE BUILDING. IF IN CONFLICT WITH SCALE DIMENSIONS, CONTACT ARCHITECT FOR CLARIFICATION.

PROTECTION OF FIXTURES, MATERIALS AND EQUIPMENT

TIGHTLY CLOSE ALL NEW PIPE OPENINGS WITH CAPS OR PLUGS DURING INSTALLATION. TIGHTLY COVER AND PROTECT FIXTURES AND EQUIPMENT AGAINST DIRT, WATER AND CHEMICAL OR MECHANICAL INJURY. AT COMPLETION OF ALL WORK, FIXTURES, EXPOSED MATERIALS AND EQUIPMENT SHALL BE THOROUGHLY CLEANED.

EXAMINATION OF PREMISES — SPECIAL NOTE

NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE PROJECT SITE, INCLUDING ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED, OR WORK TO BE DONE. THE CONTRACTOR SHALL BE ASSUMED TO HAVE VISITED THE PREMISES AND NOTED ALL EXISTING PERTINENT FACTS AND DATA INCLUDING THE CONDITIONS UNDER WHICH THE WORK MUST BE CARRIED OUT, AND NO ALLOWANCE WILL BE MADE FOR FAILURE TO HAVE DONE SO.

SCAFFOLDING, RIGGING AND HOISTING

UNLESS OTHERWISE SPECIFIED, CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, RIGGING, HOISTING AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES OF ANY EQUIPMENT AND APPARATUS FURNISHED. CONTRACTOR SHALL REMOVE ALL DESIGNATED EQUIPMENT FROM THE PREMISES WHEN NO LONGER REQUIRED.

HOUSEKEEPING

PLUMBING & MECHANICAL CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING STOCK OF MATERIALS AND EQUIPMENT STORED ON PREMISES IN A NEAT AND ORDERLY MANNER AND, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY HIS EMPLOYEES AT WORK. CONTRACTORS SHALL REMOVE THEIR RUBBISH AND SURPLUS MATERIALS FROM THE JOB SITE AND SHALL LEAVE THE PREMISES AND HIS WORK IN A CLEAN AND PERFECT CONDITION.

QUIET OPERATION

ALL EQUIPMENT SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT ANY SOUND OR VIBRATION WHICH IS OBJECTIONABLE IN THE OPINION OF THE ENGINEER, IN CASE OF MOVING MACHINERY, SOUND OR VIBRATION NOTICEABLE OUTSIDE OF ROOM IN WHICH IT IS INSTALLED, OR ANNOYING INSIDE ITS OWN ROOM, WILL BE CONSIDERED OBJECTIONABLE BY THE ENGINEER AND SHALL BE REMEDIED FOR CORRECTIVE MEASURES, BY INSTALLING CONTRACTOR AT HIS EXPENSE.

SHOP DRAWINGS

PRIOR TO DELIVERY TO JOB SITE, BUT SUFFICIENTLY IN ADVANCE OF REQUIREMENTS NECESSARY TO ALLOW ENGINEER AMPLE TIME FOR REVIEW, CONTRACTOR SHALL SUBMIT FOR APPROVAL, ELECTRONIC COPIES MUST BE OF SHOP DRAWINGS OF ALL EQUIPMENT TO ENGINEER AND ARCHITECT ALSO, SHEET METAL FABRICATION DRAWINGS DRAWN TO A SCALE OF 1/4" TO THE FOOT OR LARGER.

EQUIPMENT DEVIATION

THE PLANS AND/OR SPECIFICATIONS INDICATE THE NAME, MODEL NUMBER OR TYPE OF EQUIPMENT OR MATERIALS SPECIFIED. SHOULD THE BIDDER DESIRE TO USE EQUIPMENT OR MATERIALS OR A MAKE OTHER THAN THOSE SPECIFIED OR SHOWN, HE SHALL ATTACH A RIDER TO THE BID FORM LISTING THE DEDUCTIONS AND/OR ADDITIONS TO HIS BASE BID, TOGETHER WITH THE MANUFACTURER'S NAME AND MODEL NUMBERS OF THE EQUIPMENT OR MATERIALS HE PROPOSED TO FURNISH AS "SUBSTITUTES". IF NO SUBSTITUTE INFORMATION IS FURNISHED, IT WILL BE EXPRESSLY UNDERSTOOD THAT ALL EQUIPMENT AND MATERIALS NAMED WILL BE FURNISHED IN FULL ACCORDANCE WITH THE PLANS AND/OR SPECIFICATIONS.

OWNER'S INSTRUCTIONS AND SYSTEM OPERATION

AT THE TIME OF THE JOB'S ACCEPTANCE BY OWNER, CONTRACTOR SHALL FURNISH ONE COMPLETE SET OF APPROVED CERTIFIED DRAWINGS TO THE OWNER. IN ADDITION, CONTRACTOR SHALL FURNISH MAINTENANCE AND OPERATING INSTRUCTIONS FOR ALL EQUIPMENT. THESE INSTRUCTIONS SHALL BE WRITTEN IN LAYMAN'S LANGUAGE AND SHALL BE INSERTED IN VINYL-COVERED THREE-RING LOOSE LEAF BINDER. THIS INFORMATION IN BINDER SHALL BE FIRST SENT TO AND APPROVED BY THE ARCHITECT/ENGINEER BEFORE TURNING OVER TO OWNER.

DEFINITIONS

"FURNISH" OR "PROVIDE" — TO FURNISH, ERECT, INSTALL AND CONNECT UP COMPLETE AND READY FOR OPERATION PARTICULAR WORK REFERRED TO, UNLESS SPECIFICALLY INDICATED OR SPECIFIED OTHERWISE.

"WORK" — LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND ALL OTHER ITEMS CUSTOMARILY FURNISHED AND/OR REQUIRED FOR PROPER AND COMPLETE INSTALLATION OF WORK.

"CONCEALED" — EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED BEHIND WALL FURRING, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES OR IN CRAWL SPACES.

"EXPOSED" — NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.

"INDICATED" OR "SHOWN" — AS INDICATED OR SHOWN ON DRAWINGS OR SPECIFIED WITH SPECIFICATIONS.

"PIPING" — PIPE, FITTINGS, FLANGES, VALVES, CONTROLS, HANGERS, TRAPS, DRAINS, INSULATION AND ITEMS CUSTOMARILY OR REQUIRED IN CONNECTION WITH OR RELATING TO SUCH PIPING.

"SUPPLY" — TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH ALL RELATED ITEMS.

"INSTALL" — TO ERECT, MOUNT AND CONNECT UP COMPLETE WITH ALL RELATED ACCESSORIES.

"NOTED" — AS INDICATED ON DRAWINGS AND/OR SPECIFIED.

OPENINGS THROUGH DEMISING PARTITIONS

ANY PIPING PASSING THROUGH DEMISING PARTITIONS SHALL BE FIRE CAULKED WITH U.L. APPROVED 3—M FD150+RED FIRE BARRIER SEALANT.

DISSIMILAR METALS

PROVIDE BRASS OR COPPER WATER PIPING CONNECTED TO GALVANIZED PIPE AND FOR ANY OTHER DISSIMILAR METALS WITH DIELECTRIC FITTINGS.

DOMESTIC WATER PIPING

ALL WATER PIPING WITHIN THE BUILDING SHALL BE PEX TUBING WITH BRASS CRIMP FITTINGS.

INTERIOR WATER VALVES

VALVES SHALL BE BRONZE BALL TYPE, 2 PIECE, FULL PORT APOLLO 3 OR EQUAL.

PROTECTION OF POTABLE WATER SUPPLY

PROTECT POTABLE WATER SUPPLIES AGAINST BACKFLOW, BACK—SIPHONAGE, CROSS CONNECTION, AND OTHER UNSANITARY CONDITIONS. DO NOT DIRECTLY CONNECT POTABLE WATER TO, OR RUN WITHIN, ANY PIPING OR DUCTWORK OR CONDUIT CONVEYING SEWAGE WASTES, OR OTHER MATERIALS HAZARDOUS TO HEALTH AND SAFETY. EQUIP PLUMBING FIXTURE SUPPLIES, OTHER THAN "OVER-RIM" TYPE, WITH APPROVED VACUUM BREAKERS OR AIR GAP FITTINGS. SUPPLIES EQUIPPED FOR HOSE CONNECTION MUST HAVE INTEGRAL VACUUM BREAKERS.

DISINFECTATION OF POTABLE WATER PIPING

COMPLETE AND EFFECTIVE DISINFECTATION OF POTABLE WATER PIPING SYSTEMS AFTER TESTING AND ACCEPTANCE. DISINFECT AFTER FLUSHING WITH CLEAR WATER BY FILLING ENTIRE SYSTEM OR ANY PART THEREOF WITH WATER SOLUTION CONTAINING AT LEAST 50 PARTS PER MILLION OF AVAILABLE CHLORINE. ALLOW SOLUTION TO STAND IN SYSTEM AT LEAST 24 HOURS BEFORE FLUSHING OUT WITH CLEAN POTABLE WATER.

IN LIEU OF ABOVE, SWAB WATER CONTACTING SURFACES WITH SOLUTION CONTAINING AT LEAST 200 PARTS PER MILLION OF AVAILABLE CHLORINE. ALLOW SOLUTION TO STAND IN SYSTEM FOR AT LEAST THREE HOURS BEFORE FLUSHING OUT WITH CLEAN POTABLE WATER.

SOIL, WASTE AND VENT PIPING

SHALL BE SCH. 40 P.V.C. WITH SOLVENT JOINTS. FITTINGS ON SOIL AND WASTE LINES SHALL BE DRAINAGE PATTERN. EXPOSED COUNTER SINK WASTE PIPING SHALL BE CHROME PLATED BRASS. RUN ALL SOIL, WASTE AND VENT PIPING SHOWN OR REQUIRED BY LOCAL CODE. PIPING SHOWN IS MINIMUM AND IN ACCORDANCE WITH STATE AND FEDERAL CODES. IF LOCAL CODES REQUIRE ADDITIONAL VENTING OR LARGER SIZES, SAME SHALL TAKE PRECEDENCE. MAKE ALL CONNECTIONS THROUGH APPROVED TRAPS. EACH TRAP TO BE TESTED EITHER BY CIRCUIT LOOP OR BY INDIVIDUAL VENT, AS REQUIRED, BUT NOT LESS THAN SHOWN OR AS REQUIRED BY LOCAL CODE.

TESTS

THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, DURING THE PROGRESS OF THE WORK OR UPON ITS COMPLETION AS ORDERED, MAKE SUCH TESTS OF HIS WORK AS ARE HEREIN SPECIFIED OR AS ARE REQUIRED BY AND IN THE PRESENCE OF THE PLUMBING INSPECTOR. IF SO DIRECTED, TESTS SHALL BE MADE OF SECTIONS FOR THE WORK SO AS NOT TO DELAY THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL PROVIDE ALL APPARATUS, TEMPORARY WORK OR ANY OTHER REQUIREMENTS NECESSARY FOR SUCH TESTS. ANY DEFECTS OR DEFICIENCIES DISCOVERED AS A RESULT OF TESTS SHALL BE IMMEDIATELY REPAIRED AND TESTS SHALL BE REPEATED UNTIL THE TEST REQUIREMENTS ARE FULLY COMPLIED WITH. THE DRAINAGE AND VENT SYSTEMS SHALL BE TESTED IN SECTIONS WHEN REQUIRED TO PERMIT GENERAL CONSTRUCTION WORKS TO PROCEED. THE PIPING SHALL BE TESTED UNDER A HYDROSTATIC PRESSURE CORRESPONDING TO A HEAD OF AT LEAST 10 FEET OF WATER FOR 2 HOURS. ALL WATER PIPING SHALL BE TESTED TO A HYDROSTATIC PRESSURE OF 150 POUNDS PER SQUARE INCH. PRESSURE SHALL BE MAINTAINED WITHOUT PUMPING FOR TWO HOUR.

HANGER AND SUPPORTING

HANGING AND SUPPORTING — PIPING SHALL NOT BE SUPPORTED BY OTHER PIPING, BUT SHALL BE SUPPORTED WITH PIPE HANGERS SUITABLE FOR THE SIZE OF PIPE AND PROPER STRENGTH AND QUALITY AT PROPER INTERVALS SO THAT PIPING CANNOT BE MOVED ACCIDENTALLY FROM THE INSTALLED POSITION AS FOLLOWS:

PEX WATER PIPING MUST BE SUPPORTED BY APPROVED PLASTIC FASTENING DEVICES. SPECIAL STAND—OFF TYPE FASTENERS LIKE STRAP DOWN AND SNAP CLIPS SHOULD BE USED FOR MOUNTING TO STEEL FRAMING.

PVC PIPING — 4 FEET
PEX TUBING — 30 INCHES

INSPECTION

CONFORM LOCATION AND SIZE OF FIXTURES AND OPENINGS BEFORE ROUGH—IN AND INSTALLATION. VERIFY ADJACENT CONSTRUCTION IS READY TO RECEIVE ROUGH—IN WORK OF THIS SECTION.

INSTALLATION

INSTALL EACH FIXTURE WITH TRAP, EASILY REMOVABLE FOR SERVICING AND CLEANING. PROVIDE CHROME PLATED RIGID OR FLEXIBLE SUPPLIES TO FIXTURES WITH LOOSE KEY STOPS REDUCERS, AND ESCUTCHEONS. INSTALL COMPONENTS LEVEL AND PLUMB.

FIXTURES UNDER THIS SECTION

INCLUDED SHALL BE PLUMBING FIXTURES NOTED, ALL TRIM ITEMS AND ALL ACCESSORY ITEMS SHOWN OR REQUIRED FOR A COMPLETE PLUMBING INSTALLATION. "KOHLER" NUMBERS ARE SPECIFIED UNLESS OTHERWISE NOTED. THE FIXTURES SHALL BE COMPLETE WITH CHROME PLATING ON EXPOSED IRON OR PIPE, TRAPS ANCHOR BOLTS, HANGERS, STRAINERS, LOOSE KEY STOP VALVES AT EVERY FIXTURE, FAUCET AND OTHER INCIDENTAL ITEMS FURNISHED AS STANDARD. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL FIXTURES IN ACCORDANCE WITH THE "PLUMBING FIXTURE SCHEDULE" AND SPECIFICATIONS LISTED ON CONTRACT DRAWINGS.

CLEANING AND ADJUSTING

AS DIRECTED, CLEAN FIXTURES, EQUIPMENT, PIPING AND OTHER EXPOSED WORK. DO CLEANING WORK IN STAGES IF SO ORDERED BY ARCHITECT TO FACILITATE WORK OF OTHERS. SHOW TRAPS, WASTES AND SUPPLIES FREE AND UNOBSTRUCTED, PLATED, POLISHED, BRONZED, OR PAINTED WORK, BRIGHT AND CLEAN. FLUSH OUT PIPING AFTER INSTALLATION. ADJUST VALVES, FAUCETS, AUTOMATIC CONTROL DEVICES FOR PROPER AND QUIET OPERATION.

INSIDE WORK — FIRE PROTECTION

THIS PROJECT CONSISTS OF A RENOVATION, FURNISH AND INSTALL NECESSARY MAINS AND BRANCH PIPING AS SHOWN OR REQUIRED TO SUPPLY THE TOTAL NUMBER OF APPROVED AUTOMATIC SPRINKLER HEADS INDICATED ON DRAWINGS OR REQUIRED.

PIPE AND FITTINGS — ABOVE GROUND

ALL PIPES USED FOR THE SPRINKLER SYSTEM SHALL BE NATIONAL TUBE COMPANY OR EQUAL, THE BEST GRADE STEEL WITH CLEAN CUT THREADS OR GROOVED ENDS FOR VICTAULIC FITTINGS. ALL FITTINGS SHALL BE THE BEST GRADE CAST IRON SCREWED OR VICTAULIC SUITABLE FOR WORKING PRESSURE OF 175# WITH FLANGE JOINT AT THE TOP OF EACH RISER OR GROOVED VICTAULIC COUPLINGS. IN JOINING PIPE AND FITTINGS, CARE SHOULD BE TAKEN THAT PIPES TO NOT EXTEND INTO FITTINGS TO REDUCE THE WATERWAY. ALL PIPES TO BE REAMED AFTER CUTTING TO REMOVE ALL BURRS AND FINS.

HANGERS

ALL HANGERS TO BE OF APPROVED TYPE, METAL PIPE RINGS, RODS AND INSERTS, ONE HANGER FOR EACH LENGTH OF PIPE BETWEEN SPRINKLER HEADS ON HEAD LINES AND ONE HANGER FOR AT LEAST 12 FEET OF PIPE ON MAINS.

AUXILIARY STEEL

ALL AUXILIARY STEEL NECESSARY TO ASSURE PROPER HANGING TO BE SUPPLIED BY THIS SUBCONTRACTOR.

AUXILIARY DRAINS/FLUSHING

PROVIDE SIZE NOTED DRAIN VALVES AT LOW POINTS OF MAINS AND DRAIN AS INDICATED OR REQUIRED.

SPRINKLER HEADS

HEADS SHALL BE PENDENT SEMI—RECESSED CHROME AND BRASS UPRIGHT. HEADS SHALL BE "RELIABLE", "VIKING", "GRINNELL" OR EQUAL. SEE DRAWINGS FOR LOCATION DESIGNATIONS.

QUOTATIONS

SYSTEM AS SHOWN IS FOR GENERAL GUIDANCE PURPOSES ONLY, I.E., AVOIDANCE OF CONFLICT WITH OTHER TRADES, ETC. SUBCONTRACTOR SHALL GUARANTEE THE INSTALLATION OF A COMPLETELY AUTOMATIC SYSTEM INCLUDING ALL NECESSARY ACCESSORIES FOR ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER. INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH INSURANCE COMPANY REQUIREMENTS AND SHALL BE ACCEPTED AND APPROVED BY SAID COMPANY. FOREGOING REQUIREMENTS MUST BE INCLUDED IN BID SUBMITTED.

DESIGN CRITERIA — WET SYSTEM

A STANDARD INSTALLATION OF AUTOMATIC SPRINKLERS ARRANGED AS A WET PIPE SYSTEM IS REQUIRED. THE SYSTEM SHALL BE INSTALLED TO MEET N.F.P.A. REQUIREMENTS FOR A LIGHT HAZARD OCCUPANCY

REGULATIONS

ALL DEVICES, EQUIPMENT AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH OWNER'S RATING ASSOCIATION STANDARDS AND N.F.P.A. REGULATIONS.

DUCT INSTALLATION

SIZES AND APPROXIMATE LOCATION OF ALL DUCTS ARE SHOWN ON THE CONTRACT DRAWINGS. CHECK CAREFULLY WITH ALL ARCHITECTURAL DRAWINGS AND DRAWINGS SHOWING WORK OF OTHER TRADES TO MAKE SURE THAT THERE WILL BE NO CONFLICT BETWEEN THESE TRADES AND THE NEW DUCTWORK. DUCTS SHALL BE OFFSET AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, AND, IF NECESSARY, TO ALTER DIMENSIONS OF THE DUCT. THIS MAY BE DONE PROVIDED THE CROSS—SECTIONAL AREA IS IN NO CASE REDUCED.

SHEET METAL DUCTWORK

ALL DUCTWORK SHALL BE CONSTRUCTED OF #1 QUALITY FIRST SHEETS OF GALVANIZED STEEL, FREE OF CRACKS OR BLEMISHES. WHEN PITTSBURGING OR SNAP LOCKING A JOINT, THE GALVANIZING SHALL NOT BE CHIPPED OFF. ALL PARTS OF THE SHEET METAL DUCT SYSTEM SHALL BE CONSTRUCTED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST APPLICABLE EDITION OF SMACNA FOR PRESSURES 2 IN W.G. MAXIMUM STATIC PRESSURE. FLEXIBLE DUCT MAY BE USED TO CONNECT RIGID DUCTWORK TO SUPPLY DIFFUSERS. DUCT SHALL BE SMACNA FORM "M—1" INSULATED METALLIC. FLEXIBLE DUCT SHALL NOT EXCEED 6"—0" IN LENGTH.

DUCT LINER

THE SUPPLY PLENUMS AND RETURN PLENUMS SHALL BE LINED WITH MANVILLE LINACOUSTIC HP WITH STICK PINS AND ADHESIVE, THICKNESS, UNLESS NOTED OTHERWISE, SHALL BE 0.5". LINER SHALL BE APPLIED TO DUCT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SMACNA GUIDELINES, LATEST EDITION. WHERE LINED DUCTWORK IS INDICATED, DUCT SIZES DENOTED ARE THE CLEAR DIMENSIONS AFTER THE LINING HAS BEEN INSTALLED.

DUCT INSULATION

COVER ALL SUPPLY AND RETURN DUCTWORK WITH 2" FIBERGLASS DUCT WRAP EQUAL TO MANVILLE R—SERIES MICROLITE WITH F.F.G. VAPOR BARRIER. MINIMUM R—VALUE OF INSULATION SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED CODES, STANDARDS, LAWS, ORDINANCES, ETC. PLEASE NOTE: SEE DETAIL FOR DUCTWORK THAT IS ROUTED ON ROOF.

SEISMIC RESTRAINT FOR DUCTWORK

PROVIDE REQUIRED BRACING MATERIAL. DUCTWORK SHALL BE SUPPORTED AND BRACED TO RESIST ALL DIRECTIONAL (TRANSVERSE, LONGITUDINAL AND VERTICAL) FORCES EQUAL TO 10 PERCENT OF THE WEIGHT OF THE DUCT SYSTEM.

VOLUME DAMPERS

SINGLE BLADE OR OPPOSED BLADE MULTI—LOUVER TYPE AS DETAILED IN SMACNA STANDARDS, FIGURES 2—11 AND 2—12. PROVIDE END BEARING FOR ALL DAMPERS. QUADRANT OR OTHER OPERATOR FOR EXTERNALLY INSULATED DUCT SHALL HAVE STAND—OFF MOUNT SO OPERATION IS CLEAR OF THE INSULATION. PROVIDE A VOLUME DAMPER IN BRANCH DUCTS FOR EACH SUPPLY DIFFUSER OR GRILLE.

FLEXIBLE CONNECTIONS

SHALL BE 29 OZ. NEOPRENE COATED FIBERGLASS, 6" WIDE. BURNING PROPERTIES SHALL CONFORM TO NFPA 90A. FASTEN TO DUCTWORK PER MANUFACTURER'S RECOMMENDATIONS. FABRIC SHALL NOT BE STRESSED OTHER THAN BY AIR PRESSURE, ALLOW AT LEAST ONE INCH SLACK TO INSURE THAT NO VIBRATION IS TRANSMITTED.

START AND CHECK EQUIPMENT

AFTER INSTALLATION IS COMPLETED, THE MECHANICAL CONTRACTOR SHALL START AND CHECK THE TWO NATURAL GAS—FIRED HEATING, ELECTRIC DIRECT EXPANSION (DX) COOLING PACKAGED UNITS. START—UP SHALL BE IN ACCORDANCE WITH THE RTU MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.

AUTOMATIC TEMPERATURE CONTROLS

EACH SYSTEM SHALL HAVE A CENTRAL ADDRESSABLE, PROGRAMMABLE, DIGITAL THERMOSTAT. EACH THERMOSTAT SHALL HAVE THE ABILITY TO BE READ AND CONTROLLED REMOTELY. BEFORE THESE THERMOSTATS ARE ORDERED, THEY SHALL BE APPROVED BY THE OWNER/ARCHITECT/ENGINEER.

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL CODES AND REGULATIONS HAVING JURISDICTION OVER THIS SITE LOCATION.

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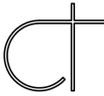
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PROJECT:

CLIMATE HAVEN

700 CHAPEL STREET
NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/15/25

DRAWING HISTORY:

MECHANICAL DRAWING LIST

M-1	MECHANICAL SPECIFICATIONS
P-1	PARTIAL THIRD FLOOR PLAN — PLUMBING
FP-1	PARTIAL THIRD FLOOR PLAN — FIRE PROTECTION
HVAC-1	PARTIAL THIRD FLOOR DEMOLITION PLAN — HVAC
HVAC-2	PARTIAL THIRD FLOOR PLAN — HVAC
HVAC-3	DETAILS AND SCHEDULES — HVAC

M-1

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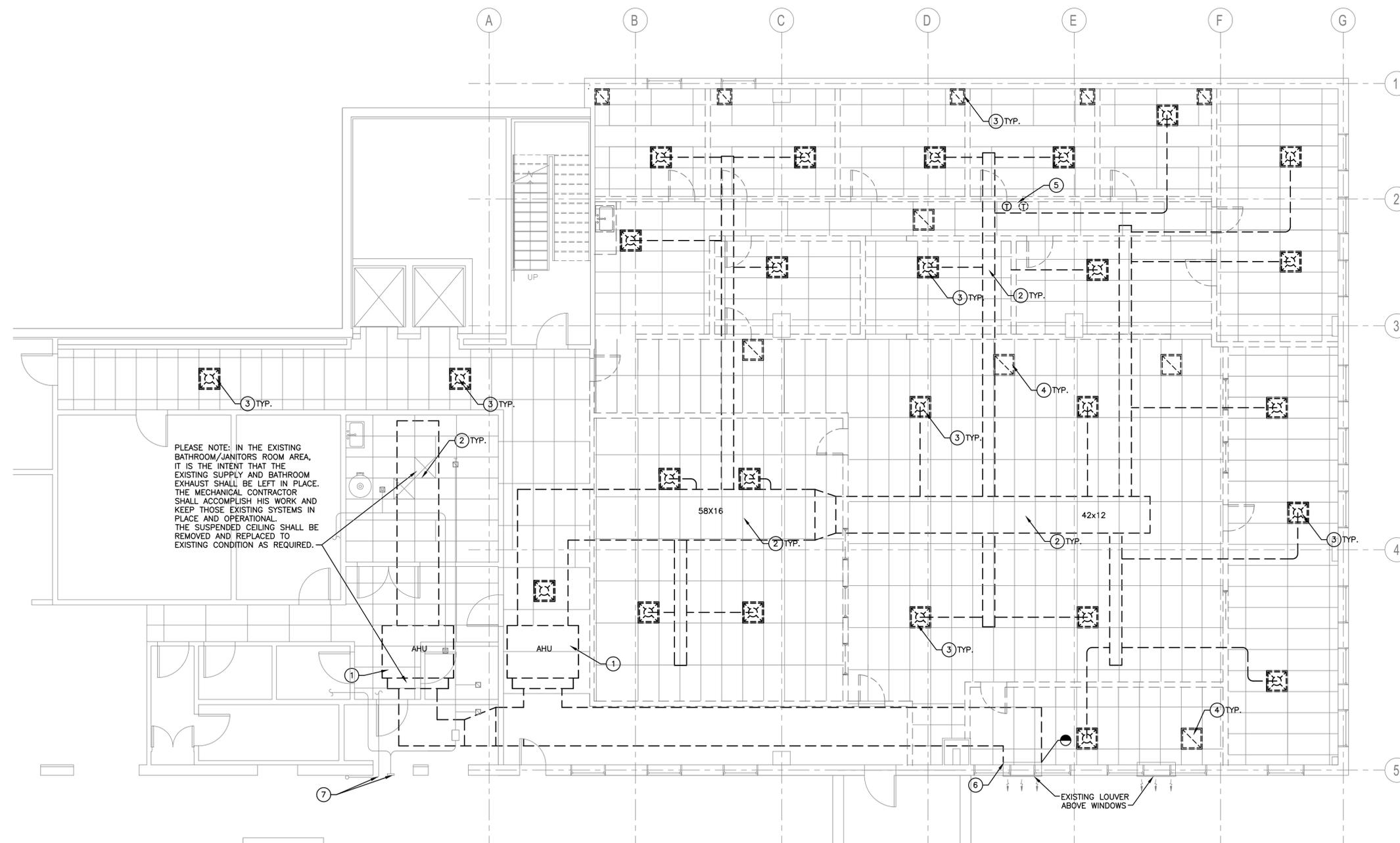
12/15/25

DRAWING HISTORY:

SHEET:

**PARTIAL THIRD FLOOR
DEMOLITION PLAN -
HVAC**

HVAC-1



PARTIAL THIRD FLOOR DEMOLITION PLAN - HVAC

SCALE: 3/16" = 1'-0"



MECHANICAL HVAC DEMOLITION LEGEND

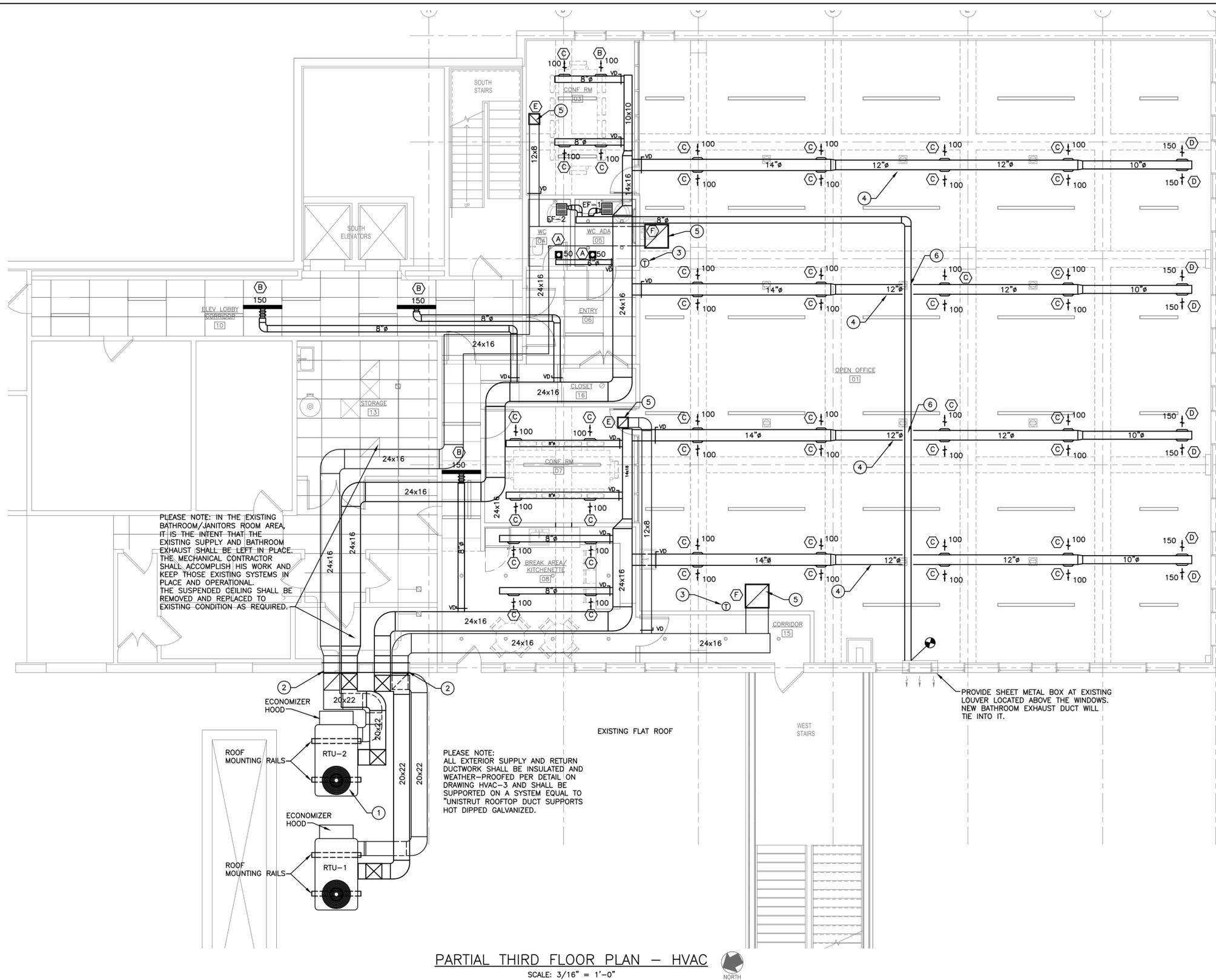
- ① AIR HANDLING UNIT AND ASSOCIATE DUCTWORK SHALL BE DISCONNECTED AND REMOVED FROM THE SITE AND DISPOSED. ALL ASSOCIATED PIPING SHALL BE CUT BACK AND CAPPED PERMANENTLY. ALL ELECTRICAL WIRING SHALL BE DISCONNECTED AND CAPPED AND MADE SAFE PERMANENTLY.
- ② REMOVE EXISTING SUPPLY DUCTWORK.
- ③ EXISTING SUPPLY DIFFUSERS AND ASSOCIATED BRANCH DUCT SHALL BE REMOVED AND DISPOSED.
- ④ EXISTING RETURN GRILLES SHALL BE REMOVED AND DISPOSED.
- ⑤ CONTROLS SHALL BE DISCONNECTED AND REMOVED.
- ⑥ EXISTING DUCT TO LOUVER SHALL BE CUT AND CAPPED FOR FUTURE EXHAUST DUCT CONNECTION
- ⑦ EXISTING EXHAUST TERMINAL AND PVC PIPE SHALL BE RELOCATED. CONTRACTOR SHALL DRILL HOLES IN EXISTING BRICK WALL.

HVAC DEMOLITION - GENERAL NOTES

1. IT IS THE INTENTION OF THIS DOCUMENT THAT THE EXISTING HVAC EQUIPMENT SERVICING THIS SPACE SHALL BE REMOVED ALONG WITH ALL ASSOCIATED CONTROLS, PIPING, ELECTRICAL WIRING, DISTRIBUTION DUCTWORK, RETURN GRILLES, SUPPLY DIFFUSERS, THERMOSTATS, ETC. ON THE ROOF OVER THE EXISTING BUILDING SHALL REMAIN OPERATIONAL. ANY MATERIALS THAT ARE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY MECHANICAL CONTRACTOR. ANY ITEMS THAT THE OWNER WOULD LIKE TO SAVE SHALL BE LEFT IN THE BUILDING IN A SPACE DESIGNATED BY THE OWNER.
2. IT IS THE INTENTION THAT THE HVAC DEMOLITION SHALL BE SELECTIVE. BUT VERY COMPLETE FOR OUR CONSTRUCTION SPACE. THE AIR HANDLING UNIT THAT IS ABOVE THE CEILING IN THE REAR HALLWAY AD ALL ASSOCIATED ITEMS DESCRIBED IN NO.1. THIS SYMBOL INDICATES THE EXTENT OF ANTICIPATED DEMOLITION, (●).
3. PLEASE NOTE: THE EXISTING DUCT AND EQUIPMENT THAT IS TO REMAIN IS INDICATED AS A LIGHT (GRAY SCALE). THE DUCT AND EQUIPMENT TO BE REMOVED IS DARK, DASHED AND SOLID LINES.

HVAC SYMBOLS:

- CEILING DIFFUSER
- CEILING RETURN GRILLE
- TWO LINE-DUCTWORK
- DUCT TRANSITION
- BRANCH DUCTWORK
- THERMOSTAT
- LIMIT OF DEMOLITION



PLEASE NOTE: IN THE EXISTING BATHROOM/JANITORS ROOM AREA, IT IS THE INTENT THAT THE EXISTING SUPPLY AND BATHROOM EXHAUST SHALL BE LEFT IN PLACE. THE MECHANICAL CONTRACTOR SHALL ACCOMPLISH HIS WORK AND KEEP THOSE EXISTING SYSTEMS IN PLACE AND OPERATIONAL. THE SUSPENDED CEILING SHALL BE REMOVED AND REPLACED TO EXISTING CONDITION AS REQUIRED.

PLEASE NOTE: ALL EXTERIOR SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED AND WEATHER-PROOFED PER DETAIL ON DRAWING HVAC-3 AND SHALL BE SUPPORTED ON A SYSTEM EQUAL TO "UNISTRUT ROOFTOP DUCT SUPPORTS HOT DIPPED GALVANIZED."

PROVIDE SHEET METAL BOX AT EXISTING LOUVER LOCATED ABOVE THE WINDOWS. NEW BATHROOM EXHAUST DUCT WILL TIE INTO IT.

PARTIAL THIRD FLOOR PLAN - HVAC
SCALE: 3/16" = 1'-0"



GENERAL NOTES:

- BEFORE SUBMITTING A BID, EACH CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS UNDER WHICH HIS WORK WILL BE INSTALLED. EACH CONTRACT INCLUDES ALL NECESSARY OFFSET, TRANSITIONS AND MODIFICATIONS REQUIRED TO INSTALL ALL NEW EQUIPMENT. ALSO INCLUDED SHALL BE ANY MODIFICATIONS NECESSARY TO EXISTING EQUIPMENT, PIPING OR SYSTEMS FOR INSTALLATION OF NEW EQUIPMENT BY THIS OR ANY OTHER TRADE. ALL NEW AND EXISTING EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL UNDER THIS CONTRACT BEFORE THE JOB IS CONSIDERED COMPLETE. EACH CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS HE MAKES, ANY OMISSIONS OR ERRORS HE MAKES, AS A RESULT OF HIS FAILURE TO COORDINATE WITH THE EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS OF ALL TRADES.
- ALL HVAC EQUIPMENT MUST BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S: TRANE (RTU-1 AND RTU-2), COOKE (EF-1 AND EF-2), ETC. INSTALLATION INSTRUCTIONS AND ALL PERTINENT CODES, LAWS, ORDINANCES, ETC.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR THE REMOVAL/ CUTTING WINDOWS FOR DUCT ROUTING AND MAKING THE OPENING WEATHER PROOF. ALL FLASHING OF ROOF MOUNTING RAILS TO EXISTING ROOF SHALL BE BY A LICENSED ROOFING CONTRACTOR. THIS ROOFING CONTRACTOR SHALL BE APPROVED BY THE OWNER/ARCHITECT BEFORE ANY WORK COMMENCES.
- IT WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO HAVE ALL THE ROOF MOUNTED HVAC EQUIPMENT RIGGED TO THEIR FINAL LOCATION(S) ON THE ROOF. THIS INCLUDES ALL REQUIRED LABOR AND FEES SUCH AS OFF HOURS LABOR, PERMITS, FEES, TRAFFIC CONTROL, ET.
- SEAL ALL NEW DUCTWORK, BOTH SUPPLY AND RETURN. ALL DUCTWORK SHALL BE RIGID STEEL AND SHALL BE EXTERNALLY INSULATED WITH FIBERGLASS DUCT WRAP WITH A FSK BACKING. INSULATION MUST CARRY A R VALUE OF R6 MINIMUM.
- ALL EXTERIOR ROUTED DUCTWORK SHALL BE INSULATED AND WEATHER-PROOFED, SEE DETAIL ON DRAWING HVAC-3
- PROVIDE A VOLUME DAMPERS AS INDICATED ON THE DRAWING.
- ALL DUCTS AND PIPING SHALL BE ROUTED AS CLOSE TO THE CEILING AS POSSIBLE.
- AFTER WORK IS COMPLETED, TEST AND BALANCE SYSTEM.
- MECHANICAL CONTRACTOR SHALL PROVIDE PENETRATIONS THROUGH EXISTING WALLS, FLOORS AND CEILINGS.
- THIS SYMBOL INDICATES CONNECTION POINT TO EXISTING DUCTWORK OR EQUIPMENT. ALL CONNECTIONS SHALL BE AIR-TIGHT. ANY INSULATION OR SHEET-METAL WORK, OR ANY OTHER WORK THAT MAY BE NEEDED TO PROVIDE A COMPLETE WORKING SYSTEM SHALL BE PROVIDED.
- THE TWO NEW RTU'S SHALL BE SUPPLIED A LOCAL DIGITAL/PROGRAMMABLE THERMOSTATS THAT ARE COMPATIBLE WITH HE EXISTING BUILDING CONTROLS. MECHANICAL CONTRACTOR SHALL PROVIDE CONTROLS THAT ARE COMPATIBLE AND ARE ALSO BY THE SAME MANUFACTURER OF THE EXISTING TEMPERATURE CONTROLS IN THE BUILDING.

MECHANICAL HVAC LEGEND

- RTU-1 AND RTU-2 SHALL BE HORIZONTAL DISCHARGE AND SHALL BE MOUNTED ON ROOF MOUNTING RAILS THAT ARE A MINIMUM OF 6" WIDE AND POSTIVELY ATTACHED TO THE STRUCTURE.
- SUPPLY AND RETURN DUCTS SHALL RISE AND ENTER IN WINDOW OPENING AS HIGH AS POSSIBLE. SIZE OF BOTH SUPPLY AND RETURN SHALL BE: 18"W. X 22"H. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PREPARATION AND BRACING AND WEATHER-PROOFING OF OPENINGS.
- THERMOSTATS SHALL BE DIGITAL, PROGRAMMABLE HEATING & COOLING TYPE AND SHALL BE ADDRESSABLE REMOTELY WITH A CELL PHONE.
- ROUTE SPIRAL DUCT AS CLOSE TO THE STRUCTURE AS POSSIBLE.
- PROVIDE CUSTOM FABRICATED SHEET METAL RETURN BOXES AND MOUNT TO STRUCTURE ABOVE.
- ROUTE EXHAUST DUCT ABOVE SUPPLY DUCTS AND ROUTE TO EXISTING LOUVER.

- HVAC SYMBOLS:**
- NEW DIFFUSER - WITH CFM INDICATED
 - NEW CEILING RETURN GRILLE
 - NEW SUPPLY DIFFUSERS AND RETURN DESIGNATION
 - TWO LINE-DUCTWORK
 - DUCT TRANSITION
 - NEW THERMOSTAT
 - VOLUME DAMPER
 - CABINET EXHAUST FAN
 - POINT OF CONNECTIN

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BID DRAWINGS

DATE:

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DRAWING HISTORY:

SHEET:

PARTIAL THIRD FLOOR PLAN - HVAC

HVAC-2

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**SCHEDULES AND
DETAILS - HVAC**

HVAC-3

ROOFTOP UNIT SCHEDULE

UNIT NO.	NOMINAL TONS	MANUFACTURER	MODEL	SERVICE	SUPPLY CFM	FAN HP	FAN ESP (IN. WC.)	MAX. O.A.	EER/IEER	HEATING (NAT. GAS)		COOLING				ELECTRICAL				OPERATG. WEIGHT	REMARKS			
										OUTPUT (MBH)	NO. OF STAGES	GROSS TOTAL CLG (MBH)	NET SENSIBLE CLG (MBH)	REFRIG. TYPE	EAT (DB/WB)	LAT (DB/WB)	MCA	MCOP	VOLTAGE			PHASE	HERTZ	CONTROL VOLTAGE
RTU-1	7.5	TRANE	YSK090A4S0H	SEE DRWGS.	3,000	3.00	0.50	750	11.00/14.60	162.0	2	95.72	76.30	R-454B	80/67	60.62/58.95	22.0	25.0	460	3	60	24	1240 LBS.	1 THRU 11
RTU-2	7.5	TRANE	YSK090A4S0H	SEE DRWGS.	3,000	3.00	0.50	750	11.00/14.60	162.0	2	95.72	76.30	R-454B	80/67	60.62/58.95	22.0	25.0	460	3	60	24	1240 LBS.	1 THRU 11

DIFFUSER/GRILLE SCHEDULE

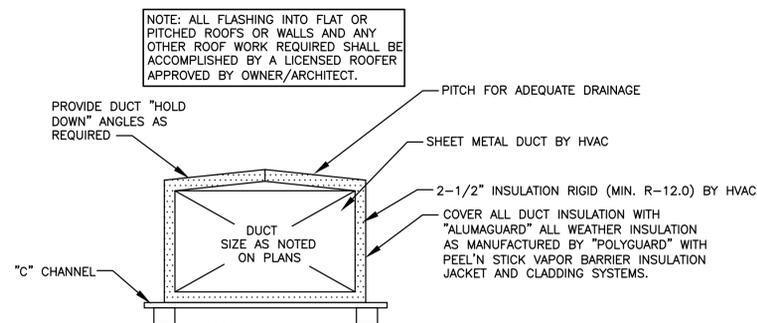
SYMBOL	MAKE	MODEL	TYPE	FACE SIZE	NECK OR INLET SIZE	OPTIONS
(A)	TITUS	TDCA	SUPPLY SQUARE DIFFUSER	6" x 6"	SAME AS BRANCH DUCT (6")	BORDER TYPE 1 SURFACE MOUNT
(B)	TITUS	TBD-80	SLOT DIFFUSER	4" X 4 INCH WITH PLENUM	SAME AS BRANCH DUCT (6")	WITH (2) "T BARS"
(C)	TITUS	S300FL	SIDEWALL DIFFUSER FOR SPIRAL DUCT	10" X 4"	10" X 4"	WITH ASD (AIR SCOOP DEVICE) - ALUMINUM COLOR - WHITE
(D)	TITUS	S300FL	SIDEWALL DIFFUSER FOR SPIRAL DUCT	12" X 4"	12" X 4"	WITH ASD (AIR SCOOP DEVICE) - ALUMINUM COLOR - WHITE
(E)	TITUS	355FL	CEILING RETURN GRILLE	12" x 12"	PROVIDE MOUNTING BOX	BORDER TYPE 1 PROVIDE SHEET METAL MOUNTING BOX
(F)	TITUS	355FL	CEILING RETURN GRILLE	28" x 28"	PROVIDE MOUNTING BOX	BORDER TYPE 1 PROVIDE SHEET METAL MOUNTING BOX

REMARKS:
1. PROVIDE ALL SHEET-METAL MOUNTING BOXES AND ACCESSORIES FOR MOUNTING DIFFUSERS AND GRILLES.
2. COLORS AND FINISHES OF DIFFUSERS AND GRILLES MUST BE APPROVED BY ARCHITECT BEFORE ORDERING.

EXHAUST FANS AND FAN/LIGHT SCHEDULE

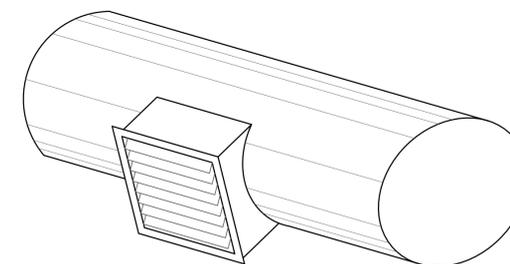
SYMBOL	MAKE	MODEL	TYPE	CFM	SP	WATTS	VOLTAGE	DRIVE	RPM	SONES
EF-1	COOK	GC-148	CEILING	75	.250	31	120-1PH	DIRECT	755	0.9
EF-2	COOK	GC-148	CEILING	75	.250	31	120-1PH	DIRECT	755	0.9

REMARKS:
1. FURNISH FOR EACH FAN - VIBRATION ISOLATORS AND MOUNTING KIT, FAN SPEED CONTROLLER AND PROVIDE A MOTION SENSOR TO ACTIVATE THE EXHAUST FAN IN EACH BATHROOM.



1. DUCT SUPPORTS SHALL BE PROVIDED BY THE HVAC CONTRACTOR.
2. ALL EXTERIOR HORIZONTAL SUPPLY AND RETURN/EXHAUST DUCTWORK SHALL BE SUPPORTED USING ROOF PRODUCTS MODEL SS-D-C GALVANIZED UNISTRUT DUCT SUPPORTS WITH 16 GAUGE STAINLESS STEEL BASES. MAXIMUM 10 FEET BETWEEN SUPPORTS.
3. THE ASSEMBLY ABOVE SHALL BE POSITIVELY FASTENED TO THE STRUCTURE PER ALL CODES AND ORDINANCES.
4. ALL CONNECTIONS AND FLASHINGS INTO THE EXISTING ROOF MUST BE ACCOMPLISHED BY A LICENSED ROOFER WHO IS APPROVED BY THE ARCHITECT/ENGINEER BEFORE ANY OF HIS WORK COMMENCES.

EXTERIOR DUCTWORK DETAIL
N.T.S.



SPIRAL DUCT WITH DIFFUSER DETAIL
N.T.S.

ELECTRICAL SPECIFICATIONS

SCOPE - WORK SHALL CONSIST OF FURNISHING OF ALL LABOR, MATERIALS AND SERVICES REQUIRED, COMPLETE AND READY FOR PROPER OPERATION, FOR THE INSTALLATION OF ALL ELECTRICAL WORK CALLED FOR BY THE ACCOMPANYING PLANS AND SPECIFICATIONS. ALL SYSTEMS AND EQUIPMENT SHALL BE FULLY OPERATIONAL UNDER THIS CONTRACT BEFORE THE JOB IS CONSIDERED COMPLETE.

CODES, REGULATIONS AND STANDARDS - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT CODES IN EFFECT:

- 2020 NATIONAL ELECTRICAL CODE
- 2022 CONNECTICUT STATE BUILDING CODE
- 2022 CONNECTICUT STATE FIRE SAFETY AND FIRE PREVENTION CODES
- ANY AND ALL LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION OVER WORK

PERMITS, FEES AND INSPECTIONS - THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, PAY ALL GOVERNMENT AND STATE SALES TAXES AND FEES APPLICABLE. HE SHALL COMPLETELY FILE ALL DRAWINGS, OBTAIN ALL NECESSARY APPROVALS FROM THE PROPER AUTHORITY HAVING JURISDICTION AND OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION COVERING HIS WORK.

GUARANTEES - ALL WORKMANSHIP AND MATERIALS SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF ENTIRE INSTALLATION COVERED BY THIS CONTRACT. SHOULD ANY DEFECTS OCCUR DURING THIS TIME PERIOD, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE EQUIPMENT, MATERIALS AND/OR WORK AT NO EXTRA CHARGE.

SHOP DRAWINGS - SUBMIT ELECTRONIC COPIES OF DETAILED SHOP DRAWINGS FOR REVIEW OF ALL EQUIPMENT AND MATERIALS SPECIFIED AND BEING FURNISHED FOR PROJECT. SUBMITTALS SHALL BE SPECIFIC, WITH ITEMS BEING SUBMITTED FOR APPROVAL CLEARLY IDENTIFIED.

PROPERTY AND EQUIPMENT PROTECTION - CONTRACTOR SHALL TAKE ALL MEANS NECESSARY AND/OR REQUIRED TO PROTECT OWNER'S PROPERTY WITHIN WORKING AREAS FROM DUST, DEBRIS AND PHYSICAL DAMAGE GENERATED BY HIS WORK. PROPERLY AND COMPLETELY PROTECT ALL EQUIPMENT INCLUDED IN THIS CONTRACT AGAINST DAMAGE, ETC., AS CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT FURNISHED BY HIM UNTIL FINAL ACCEPTANCE.

CUTTING, PATCHING, REPAIRING AND PAINTING - ELECTRICAL CONTRACTOR SHALL PERFORM ALL CUTTING FOR ELECTRICAL ITEMS. THE GENERAL CONTRACTOR SHALL PERFORM ALL PATCHING, REPAIRING AND PAINTING FOR ALL ELECTRICAL ITEMS UNDER THIS CONTRACT.

INTERRUPTION OF EXISTING SERVICES - PRECAUTIONS SHALL BE TAKEN TO NOT DISTURB OPERATIONS OF ADJACENT BUILDING AREAS. PRIOR TO PERFORMING WORK REQUIRING INTERRUPTION OF EXISTING BUILDING SERVICES, THE CONTRACTOR SHALL SECURE APPROVAL OF PROPOSED OPERATION FROM OWNER MINIMUM 24 HOURS IN ADVANCE.

CLEAN UP - CONTRACTOR SHALL TAKE CARE TO AVOID ACCUMULATION OF BOXES AND DEBRIS RESULTING FROM THE INSTALLATION OF HIS WORK. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE PREMISES EACH DAY AND KEEP THE WORK AREA CLEAN.

PENETRATION SEALANT - ALL PENETRATIONS SHALL BE SEALED WITH 3M INTUMESCENT FIRE BARRIER PENETRATION SEALANT, APPLIED PER MANUFACTURER'S AND UL GUIDELINES.

RECORD DRAWINGS - MAINTAIN A SET OF ELECTRICAL DRAWINGS AT THE SITE INDICATING ACTUAL DEVICE LOCATIONS AND CONDUIT ROUTINGS ON THE PROJECT. CLEARLY MARK ALL ITEMS IN RED ON THE DRAWINGS. AT THE COMPLETION OF THE PROJECT, PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS CLEARLY SHOWING ALL LOCATIONS AND TURN OVER TO OWNER.

MATERIALS AND WORKMANSHIP - ALL MATERIALS REQUIRED FOR THE WORK SHALL BE NEW, OF FIRST-CLASS QUALITY AND BEAR THE UL LABEL. WHERE NO SPECIFIC BRAND OR QUALITY OF MATERIAL IS GIVEN, A FIRST-CLASS STANDARD ARTICLE SHALL BE FURNISHED. ALL WORK SHALL BE OF A QUALITY CONSISTENT WITH GOOD TRADE PRACTICE AND SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER.

CONDUCTORS - CONDUCTORS FOR BUILDING WIRE SHALL BE UL LISTED, 600 VOLTS, 75°C, SINGLE CONDUCTOR TYPE THHN/THWN. 98% CONDUCTIVITY ANNEALED UNCOATED COPPER WITH PVC INSULATION COVERED WITH NYLON SHEATH JACKET. ALL CONDUCTORS SHALL BE STRANDED. MINIMUM SIZE CONDUCTOR SHALL BE #12 AWG, MANUFACTURED BY RMC CABLE OR EQUAL.

ELECTRICAL METALLIC TUBING (EMT) - ELECTRICAL METALLIC TUBING SHALL BE GALVANIZED THIN WALL STEEL CONDUIT. CONNECTORS AND COUPLERS SHALL BE HEAVY DUTY, PLATED STEEL, SET SCREW TYPE. CONDUIT BODIES SHALL BE CAST ALUMINUM WITH ALUMINUM COVER AND SET SCREW HUBS. CONDUIT STRAPS SHALL BE SNAP-TYPE, DOUBLE RIBBED ZINC PLATED STEEL, MANUFACTURED BY ALLIED TUBE AND CONDUIT OR EQUAL. MINIMUM SIZE CONDUIT SHALL BE 3/4".

METAL CLAD CABLE (TYPE MC & MC-PCS) - METAL CLAD CABLE SHALL BE INTERLOCKING ARMOR CONSTRUCTION, COLOR CODED THERMOPLASTIC/NYLON INSULATION, THHN/THWN, 90°C, 600V, COPPER, WITH INTERNAL COPPER INSULATED EQUIPMENT GROUNDING CONDUCTOR. TYPE MC-PCS LUMINARY CABLE SHALL HAVE 16 1/2 AWG CU TYPE TN, PURPLE AND GRAY CONTROL ASSEMBLY WITHIN CABLE. MINIMUM SIZE #12 AWG, MANUFACTURED BY SOUTHWIRE, AFC OR EQUAL.

SURFACE METAL RACEWAY - SURFACE METAL RACEWAY SHALL BE AS MANUFACTURED BY WIREMOLD, MINIMUM SIZE 700, WITH MATCHING DEVICE PLATES AND ALL REQUIRED MOUNTING ACCESSORIES.

OUTLET BOXES - OUTLET BOXES SHALL BE GALVANIZED STEEL, OF PROPER TYPE AND SIZE AS REQUIRED FOR THE APPLICATION. BOXES SHALL BE SECURED FIRMLY TO BUILDING STRUCTURE TO TAKE THE WEIGHT OF LIGHTING FIXTURES AND DEVICES, AND SET TRUE AND SQUARE. OUTLET BOXES SHALL BE ATTACHED SUCH THAT THEY WILL NOT ROCK, SHIFT OR MOVE WHEN DEVICES ARE USED. MANUFACTURED BY RACO OR EQUAL.

WIRING DEVICES - DEVICES SHALL BE 20A COMMERCIAL GRADE, TAMPER-PROOF, UL LISTED, BACK & SIDE WIRED, SELF-GROUNDING WITH GROUND LUG, WHITE COLOR, MANUFACTURED BY HUBBELL OR EQUAL. COVER PLATES SHALL BE SMOOTH THERMOPLASTIC, WHITE, MANUFACTURED BY LEVITON OR EQUAL.

LIGHTING FIXTURES - FURNISH AND INSTALL ALL LIGHTING FIXTURES AS SHOWN ON PLANS AND SCHEDULES, COMPLETE WITH REQUIRED ACCESSORIES AND MOUNTING HARDWARE. PROVIDE LAMPING FOR ALL FIXTURES WITH LUMEN OUTPUT, WATTAGE AND COLOR TEMPERATURE AS SPECIFIED IN SCHEDULE. CLEAN AND REMOVE ALL PAINT, STICKERS, DIRT, SMUDGES AND FINGERPRINTS FROM FIXTURES AFTER FINAL CLEAN-UP.

EMERGENCY LIGHTING AND EXIT LIGHTING SYSTEM - FURNISH AND INSTALL A SYSTEM OF EXIT AND EMERGENCY LIGHTS AS SPECIFIED ON PLANS, ARRANGED THAT IN CASE OF POWER FAILURE LIGHTS WILL AUTOMATICALLY ILLUMINATE THE EGRESS AND EXIT AREAS. EMERGENCY UNITS SHALL BE UL LISTED AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA 101 LIFE SAFETY CODE AND CONNECTICUT STATE BUILDING CODE.

INSTALLATION - ALL WORK, MATERIALS AND MANNER OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 NATIONAL ELECTRICAL CODE AND ALL APPLICABLE CODES. PROVIDE WIRING TO ALL EQUIPMENT FURNISHED UNDER THIS DIVISION AND BY OWNER. THE TERM "WIRING" SHALL BE CONSIDERED TO BE COMPRISED OF THE CONDUIT, CONDUCTORS, AND CONNECTIONS, COMPLETE AND READY FOR PROPER OPERATION.

ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY AND CONDUIT RUNS ARE SHOWN SCHEMATICALLY. BUILDING CONDITIONS WILL DETERMINE ACTUAL CONDUIT ROUTING. ALL CONDUIT AND WIRING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING LINES. CONDUIT AND WIRING PASSING THROUGH FIRE RATED PARTITIONS SHALL BE SEALED WITH FIRE RETARDANT SEALANT.

CONDUCTORS WITHIN PANELBOARDS, PULL BOXES AND OTHER EQUIPMENT SHALL BE NEATLY ARRANGED AND TIED WITH CABLE TIES. CIRCUITS SHALL BE CONNECTED TO PANELS SO THAT TOTAL LOAD IS DISTRIBUTED AS EVENLY AS POSSIBLE BETWEEN EACH LINE AND NEUTRAL. BALANCE ALL PANELS TO +/- 10%.

ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR CONCEALED AND EXPOSED LIGHTING, AND POWER BRANCH CIRCUIT WIRING. BRANCH CIRCUIT WIRING FOR RECEPTACLES AND DEVICES IN DRYWALL CONSTRUCTION AND ACCESSIBLE HUNG CEILING SPACES SHALL BE TYPE MC CABLE. BRANCH CIRCUIT WIRING FOR LIGHTING FIXTURES AND SWITCHES IN DRYWALL CONSTRUCTION AND ACCESSIBLE HUNG CEILING SPACES SHALL BE TYPE MC-PCS CABLE.

ANY NEW WIRING ON EXISTING CMU WALLS SHALL BE RUN IN WIREMOLD SURFACE RACEWAY AND MATCHING BACKBOXES.

CONDUCTOR IDENTIFICATION - CONDUCTORS #6 AWG AND SMALLER SHALL HAVE COLOR-CODED INSULATION. BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED FOR PHASE ROTATION.

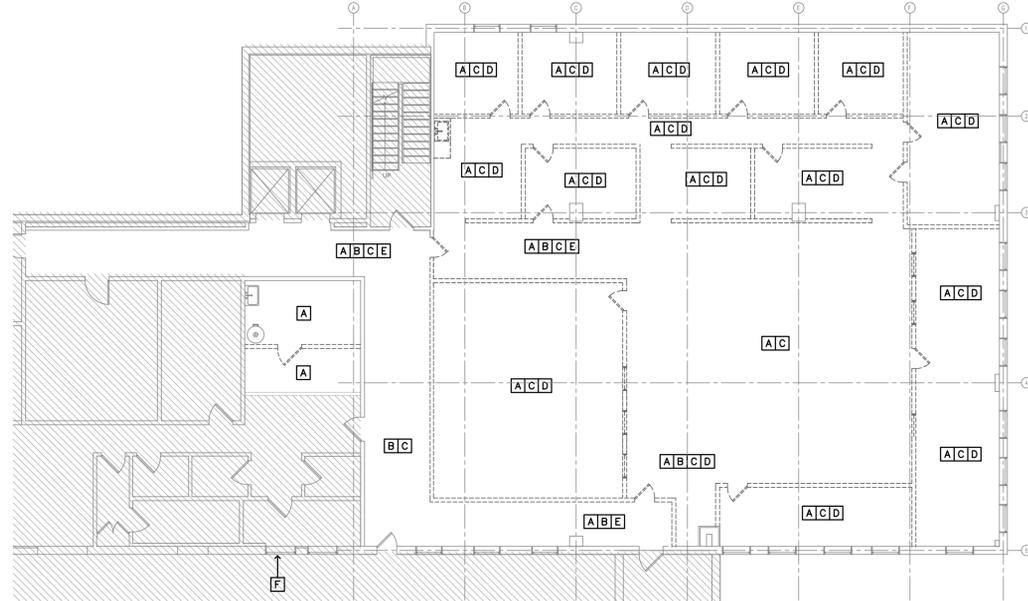
IDENTIFICATION - EXISTING MODIFIED PANELS SHALL HAVE NEW TYPED WRITTEN CIRCUIT DIRECTORY IDENTIFYING ALL BRANCH CIRCUITS, SPARES AND SPACES. PROVIDE PERMANENT LABEL AT TOP OF EACH DEVICE COVER PLATE WITH PANEL AND CIRCUIT NUMBER.

GROUNDING - ALL ELECTRICAL WORK SHALL BE GROUNDED AND BONDED IN CONFORMANCE WITH THE 2020 NATIONAL ELECTRICAL CODE AND LOCAL REQUIREMENTS. PROVIDE GREEN INSULATED GROUNDING CONDUCTOR IN ALL RACEWAYS.

SPlicing - SPlicing SHALL BE DONE WITH INSULATED OR NON-INSULATED CONNECTORS OF APPROPRIATE TYPES AND CURRENT-CARRYING CAPACITY. NON-INSULATED CONNECTORS SHALL BE WRAPPED WITH INSULATING TAPE TO THICKNESS OF INSULATION OF SPLICED CONDUCTORS. TAPE SHALL BE 3M OR SUPER 88 SCOTCH FLAME-RETARDANT, COLD AND WEATHER RESISTANT.

FIRE ALARM SYSTEM - FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT LABOR AND SERVICE REQUIRED FOR EXTENDING THE PRESENT FIRE ALARM SYSTEM AS INDICATED ON DRAWINGS. ALL NEW EQUIPMENT SHALL BE OF THE SAME MANUFACTURER AS THE EXISTING FIRE ALARM EQUIPMENT. A MANUFACTURER AUTHORIZED REPRESENTATIVE SHALL PROVIDE SUPERVISION OF PROGRAMMING AND FINAL CONNECTIONS BETWEEN EQUIPMENT AND WIRING SYSTEMS.

ALL WIRING SHALL BE UL APPROVED FOR THE APPLICATION AND SHALL COMPLY TO BUILDING STANDARDS. FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT OR FIRE ALARM 'MC' CABLE. JUNCTION BOXES SHALL BE SPRAYED RED AND LABELED 'FIRE ALARM'. WIRING COLOR CODE SHALL BE MAINTAINED THROUGHOUT THE INSTALLATION.



REMOVALS FLOOR PLAN

SCALE: 3/32" = 1'-0"

LEGEND

- DISCONNECT & REMOVE (UNLESS OTHERWISE INDICATED), THE FOLLOWING:
- [A] - LIGHTING FIXTURES, SWITCHES, OCCUPANCY SENSORS & ASSOCIATED CONDUIT AND WIRING
 - [B] - EXIT SIGN & ASSOCIATED CONDUIT AND WIRING
 - [C] - RECEPTACLES & ASSOCIATED CONDUIT AND WIRING
 - [D] - VOICE/DATA/CATV OUTLETS, FACEPLATES & ASSOCIATED CABLING
 - [E] - FIRE ALARM DEVICES & ASSOCIATED CABLING
 - [F] - SAFETY DISCONNECT SWITCHES & ASSOCIATED CONDUIT AND WIRING

REMOVAL NOTES

THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL WORK AS SHOWN AND NOTED ON DRAWINGS, AND ALL EQUIPMENT AND ELECTRICAL WORK NOT BEING USED, BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE SITE AND SURVEY THE EXISTING CONDITIONS UNDER WHICH HIS WORK WILL BE INSTALLED. FULL EXTENT OF REMOVALS SHALL BE DETERMINED DURING THIS VISIT. ALL NEW AND EXISTING EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL BEFORE THIS PROJECT IS CONSIDERED COMPLETE.

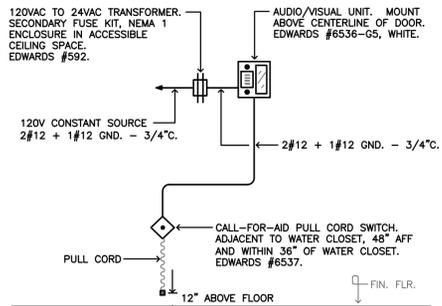
THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. ALL RACEWAYS TO REMAIN WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.

THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ELECTRICAL LAYOUT. ALL DEVICES WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED, DISCONNECTED AND REMOVED BACK TO THE SOURCE OF SUPPLY. ALL EXISTING ACTIVE CIRCUITS WHICH FEED DEVICES THAT ARE TO REMAIN SHALL BE MAINTAINED IN SERVICE AND SHALL BE REFEED, DISCONNECT AND COMPLETELY REMOVE ALL UNUSED CONDUIT, WIRING, CABLING, BOXES, SUPPORTS, ETC. BACK TO THE SOURCE OF SUPPLY.

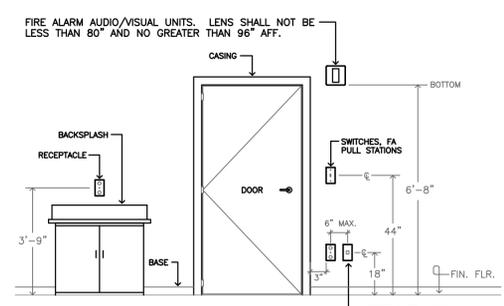
THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.

ALL ITEMS BEING REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. EQUIPMENT AND DEVICES THE OWNER DOES NOT WISH TO RETAIN SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND REMOVED FROM THE SITE. MATERIALS CHOSEN TO BE RETAINED BY THE OWNER SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION DESIGNATED BY THE OWNER.

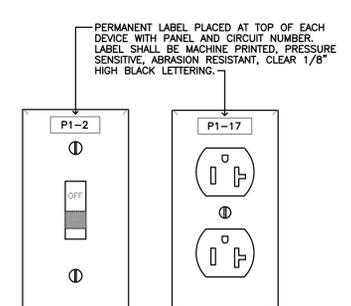
EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT BRANCH CIRCUIT WIRING CHANGES.



CALL-FOR-AID SYSTEM DETAIL



TYPICAL DEVICE MOUNTING DETAIL



DEVICE PLATE LABELING DETAIL

ELECTRICAL SYMBOLS

- G01 - LINEAR PENDANT LUMINAIRE WITH TYPE DESIGNATION
- G02 - 2' x 2' GRID TROFFER WITH TYPE DESIGNATION, SHADING INDICATES EMERGENCY
- R01 - RECESSED DOWNLIGHT WITH TYPE DESIGNATION
- EL - SELF-CONTAINED EMERGENCY LIGHTING UNIT WITH TYPE DESIGNATION
- X - EMERGENCY EXIT SIGN WITH TYPE DESIGNATION
- S - SINGLE POLE TOGGLE SWITCH, 20A @ 120/277V, 44" AFF
- S₃ - THREE-WAY TOGGLE SWITCH, 20A @ 120/277V, 44" AFF
- S₄ - FOUR-WAY TOGGLE SWITCH, 20A @ 120/277V, 44" AFF
- S₀ - SINGLE POLE WALL SWITCH OCCUPANCY SENSOR, 44" AFF
- S₀ - LINEAR SLIDE-TO-OFF 0-10V DIMMER SWITCH, 44" AFF
- ⊙ - CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR, CONNECT SENSOR PER MANUFACTURERS WIRING DIAGRAMS, SEE TYPICAL ROOM CONTROL DETAIL
- ⊕ - DUPLEX RECEPTACLE, 20A @ 125V, 18" AFF UON
- ⊕_U - DUPLEX RECEPTACLE WITH USB A+C PORTS, 20A @ 120V
- ⊕ - DUPLEX RECEPTACLE, 20A @ 125V, MOUNTED ABOVE COUNTER
- ⊕_C - DUPLEX RECEPTACLE, 20A @ 125V, 50% CONTROLLED, MOUNTED ABOVE COUNTER
- ⊕_G - DUPLEX RECEPTACLE - GFCI, 20A @ 125V, MOUNTED ABOVE COUNTER
- ⊕_M - DUPLEX RECEPTACLE - MICROWAVE, 20A @ 125V, COORDINATE OUTLET LOCATION IN FIELD
- ⊕_R - DUPLEX RECEPTACLE - REFRIGERATOR, 20A @ 125V, MOUNTED 48" AFF
- ⊕_{G/WP} - DUPLEX RECEPTACLE - GFCI, 20A @ 125V, WITH IN-USE WEATHERPROOF COVER PLATE
- ⊕ - DUPLEX RECEPTACLE, 20A @ 125V, 50% CONTROLLED, 18" AFF UON
- ⊕₂ - DOUBLE DUPLEX RECEPTACLE, 20A @ 125V, 18" AFF UON
- ⊕_{2C} - DOUBLE DUPLEX RECEPTACLE, 20A @ 125V, 50% CONTROLLED, 18" AFF UON
- ⊕ - POWER OUTLET TO SUIT EQUIPMENT, NEMA CONFIGURATION AS SPECIFIED
- ⊕₂ - FLAT PANEL DISPLAY FLUSH WALL POWER AND CATV SERVICE BOX
- 3/4" PLYWOOD EQUIPMENT BACKBOARD
- ▽ - VOICE/DATA OUTLET, 18" AFF, SINGLE GANG PLASTER RING WITH NYLON PULL CORD UP TO ACCESSIBLE CEILING SPACE
- EXISTING PANELBOARD
- NEW PANELBOARD
- - HOMERUN TO PANEL, LETTERS/NUMBERS INDICATE PANEL TERMINATION
- - CONDUIT AND WIRE - SWITCHED CIRCUIT. CROSS LINES INDICATE NUMBER OF CONDUCTORS FOR CONSTANT FEED IN CIRCUIT, INSULATED GROUND REQUIRED BUT NOT SHOWN.
- - CONDUIT AND WIRE - CONSTANT FEED CIRCUIT, INSULATED GROUND REQUIRED BUT NOT SHOWN
- - EQUIPMENT CONNECTION
- - SAFETY DISCONNECT SWITCH - NEMA 1 ENCLOSURE
- - SAFETY DISCONNECT SWITCH - NEMA 3R ENCLOSURE
- CR - CARD READER LOCATION, 48" AFF, 4" SQ. BOX WITH SINGLE GANG PLASTER AND 3/4" CONDUIT WITH NYLON PULL CORD UP TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT WITH INSULATING BUSHINGS.
- FE - EXISTING FIRE ALARM MANUAL PULL STATION TO REMAIN
- F - FIRE ALARM ADDRESSABLE MANUAL PULL STATION, 48" AFF
- ER - EXISTING FIRE ALARM HORN/STROBE UNIT TO BE REMOVED AND REPLACED WITH NEW HORN/ADA STROBE UNIT, 80" AFF TO BOTTOM
- △ - FIRE ALARM HORN/STROBE UNIT, 80" AFF TO BOTTOM OF UNIT
- △ - FIRE ALARM ADA STROBE UNIT, 80" AFF TO BOTTOM OF UNIT

ELECTRICAL DRAWING LIST

E-100	ELECTRICAL REMOVALS AND SPECIFICATIONS
E-200	LIGHTING FLOOR PLAN
E-300	POWER AND SYSTEMS FLOOR PLAN

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL CODES AND REGULATIONS HAVING JURISDICTION OVER THIS SITE LOCATION.

ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER. THESE DRAWINGS MUST NOT BE SCALED.

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PROJECT:

CLIMATE HAVEN

700 CHAPEL STREET
NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/15/25

DRAWING HISTORY:

SHEET:

ELECTRICAL REMOVALS AND SPECIFICATIONS

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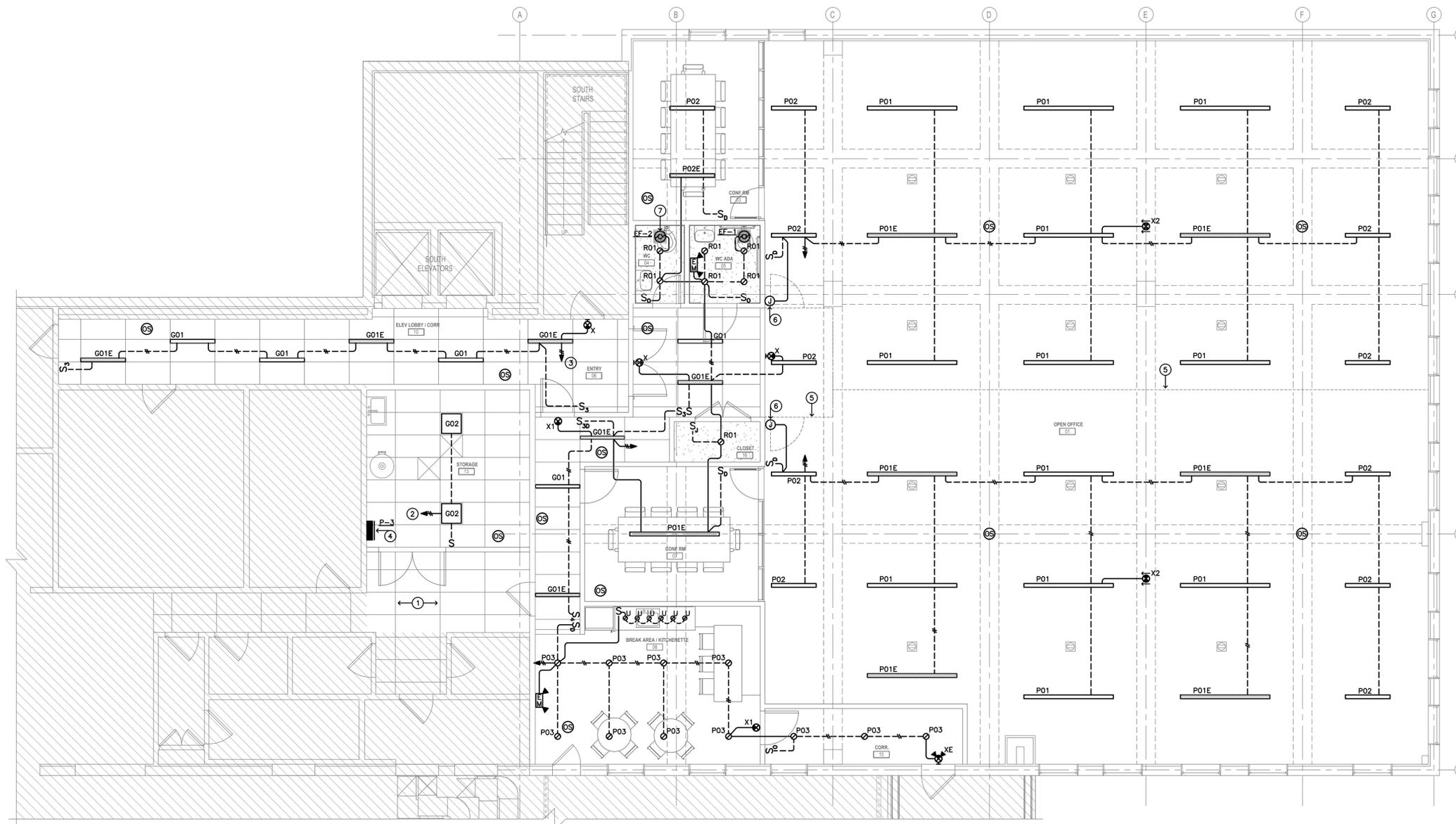
12/15/25

DRAWING HISTORY:

SHEET:

LIGHTING FLOOR PLAN

E-200



LIGHTING FLOOR PLAN
SCALE: 3/16" = 1'-0"

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE TYPE	G01, G01E
MANUFACTURER	FINELITE
CATALOG NO.	HP-4-R-D-4'-B-B35-F-96LG-120
FIXTURE DESCRIPTION	-SC-FC-10%-C1-FE-SW-LGD10W
VOLTAGE	277
LAMPING	LED, 428 LUMENS/FT, 3500K
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	22
MOUNTING	RECESSED - GRID
HOUSING	EXTRUDED ALUMINUM
LENS/LOUVER	FROSTED WHITE DIFFUSER
REMARKS	SHADING INDICATES EMERGENCY BATTERY PACK, 90 MINUTE OPERATION

LIGHTING FIXTURE TYPE	G02
MANUFACTURER	PHILLIPS
CATALOG NO.	2SBP2035L8CS-2-UNV-DIM
FIXTURE DESCRIPTION	2' x 2' LED FLAT PANEL
VOLTAGE	277
LAMPING	LED, 3,800 LUMENS, 3500K
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	29
MOUNTING	RECESSED - GRID
HOUSING	ALUMINUM FRAME
LENS/LOUVER	FLAT OPAL DIFFUSER
REMARKS	-

LIGHTING FIXTURE TYPE	R01
MANUFACTURER	USAI LIGHTING
CATALOG NO.	F-09L2-30KH-60-S-WH-NCE-CB27
FIXTURE DESCRIPTION	3" DIA. RECESSED DOWNLIGHT
VOLTAGE	277
LAMPING	LED, 1,075 LUMENS, 3500K
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	9
MOUNTING	RECESSED - CEILING
HOUSING	STEEL
LENS/LOUVER	CLEAR LENS
REMARKS	WHITE TRIM RING

LIGHTING FIXTURE TYPE	P01, P01E
MANUFACTURER	FINELITE
CATALOG NO.	HP-4-P-ID-4'-B-H-930-TG-F-96LG
FIXTURE DESCRIPTION	-277-SC-FC-10%-C4-FE-SW-LGD10W
VOLTAGE	277
LAMPING	LED, 538lm/ft UPLT, 721lm/ft DNLT
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	150
MOUNTING	PENDANT - CABLE
HOUSING	EXTRUDED ALUMINUM
LENS/LOUVER	FLAT FROSTED WHITE DIFFUSER
REMARKS	SHADING INDICATES EMERGENCY BATTERY PACK, 90 MINUTE OPERATION

LIGHTING FIXTURE TYPE	P02, P02E
MANUFACTURER	FINELITE
CATALOG NO.	HP-4-P-ID-4'-B-H-930-TG-F-96LG
FIXTURE DESCRIPTION	-277-SC-FC-10%-C4-FE-SW-LGD10W
VOLTAGE	277
LAMPING	LED, 538lm/ft UPLT, 721lm/ft DNLT
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	75
MOUNTING	PENDANT - CABLE
HOUSING	EXTRUDED ALUMINUM
LENS/LOUVER	FLAT FROSTED WHITE DIFFUSER
REMARKS	SHADING INDICATES EMERGENCY BATTERY PACK, 90 MINUTE OPERATION

LIGHTING FIXTURE TYPE	P03
MANUFACTURER	ALCON
CATALOG NO.	12302-PC-WH-35K
FIXTURE DESCRIPTION	4" DIA. PENDANT CYLINDER DOWNLIGHT
VOLTAGE	277
LAMPING	LED, 1,500 LUMENS, 3500K
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	30
MOUNTING	PENDANT - CABLE
HOUSING	SPUN ALUMINUM
LENS/LOUVER	80° BEAM SPREAD
REMARKS	-

LIGHTING FIXTURE TYPE	X
MANUFACTURER	WAC LIGHTING
CATALOG NO.	HR-LED10/G-300K-UT-95
FIXTURE DESCRIPTION	UNDER CABINET TASK LUMINAIRE
VOLTAGE	24V
LAMPING	LED, 95 LUMENS, 3000K
DRIVER	ELECTRONIC, 0-10V DIMMING
INPUT WATTAGE	1.5
MOUNTING	SURFACE - CABINET
HOUSING	DIE-CAST ALUMINUM
LENS/LOUVER	ACRYLIC LENS
REMARKS	DAMP LOCATION LISTED, VERIFY POWER SUPPLY MOUNTING LOCATION IN FIELD

LIGHTING FIXTURE TYPE	X2
MANUFACTURER	DUAL-LITE
CATALOG NO.	EVEUWE
FIXTURE DESCRIPTION	SINGLE FACE EMERGENCY EXIT SIGN
VOLTAGE	120/277
LAMP & DESIGNATION	LED
MOUNTING	SURFACE - WALL
HOUSING	THERMOPLASTIC - WHITE
LENS/LOUVER	RED LETTERS - WHITE FACE
REMARKS	SHADED AREA INDICATES FACE, CHEVRON DIRECTIONAL ARROWS AS INDICATED, MAINTENANCE FREE BATTERY, 90 MINUTE EMERGENCY OPERATION

LIGHTING FIXTURE TYPE	X1
MANUFACTURER	DUAL-LITE
CATALOG NO.	EVEUWE
FIXTURE DESCRIPTION	SINGLE FACE EMERGENCY EXIT SIGN
VOLTAGE	120/277
LAMP & DESIGNATION	LED
MOUNTING	SURFACE - CEILING
HOUSING	THERMOPLASTIC - WHITE
LENS/LOUVER	RED LETTERS - WHITE FACE
REMARKS	SHADED AREA INDICATES FACE, CHEVRON DIRECTIONAL ARROWS AS INDICATED, MAINTENANCE FREE BATTERY, 90 MINUTE EMERGENCY OPERATION

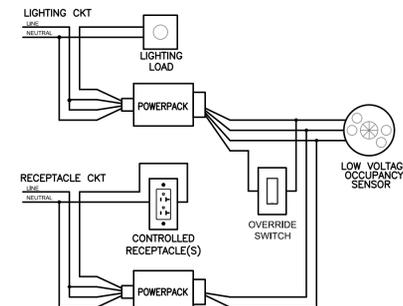
LIGHTING FIXTURE TYPE	X2
MANUFACTURER	DUAL-LITE
CATALOG NO.	EVEUWE
FIXTURE DESCRIPTION	DOUBLE FACE EMERGENCY EXIT SIGN
VOLTAGE	120/277
LAMP & DESIGNATION	2 - 1 WATT LED ADJUSTABLE LAMPHEADS
MOUNTING	SURFACE - WALL
HOUSING	THERMOPLASTIC - WHITE
LENS/LOUVER	ADJUSTABLE LAMPHEADERS
REMARKS	MAINTENANCE FREE BATTERY, 90 MINUTE EMERGENCY OPERATION, TEST SWITCH

LIGHTING FIXTURE TYPE	EM
MANUFACTURER	DUAL-LITE
CATALOG NO.	EVEUWE
FIXTURE DESCRIPTION	SELF-CONTAINED EMERGENCY LIGHTING UNIT
VOLTAGE	120/277
LAMP & DESIGNATION	LED
MOUNTING	SURFACE - WALL
HOUSING	THERMOPLASTIC - WHITE
LENS/LOUVER	RED LETTERS - WHITE FACE
REMARKS	SHADED AREA INDICATES FACE, CHEVRON DIRECTIONAL ARROWS AS INDICATED, MAINTENANCE FREE BATTERY, 90 MINUTE EMERGENCY OPERATION

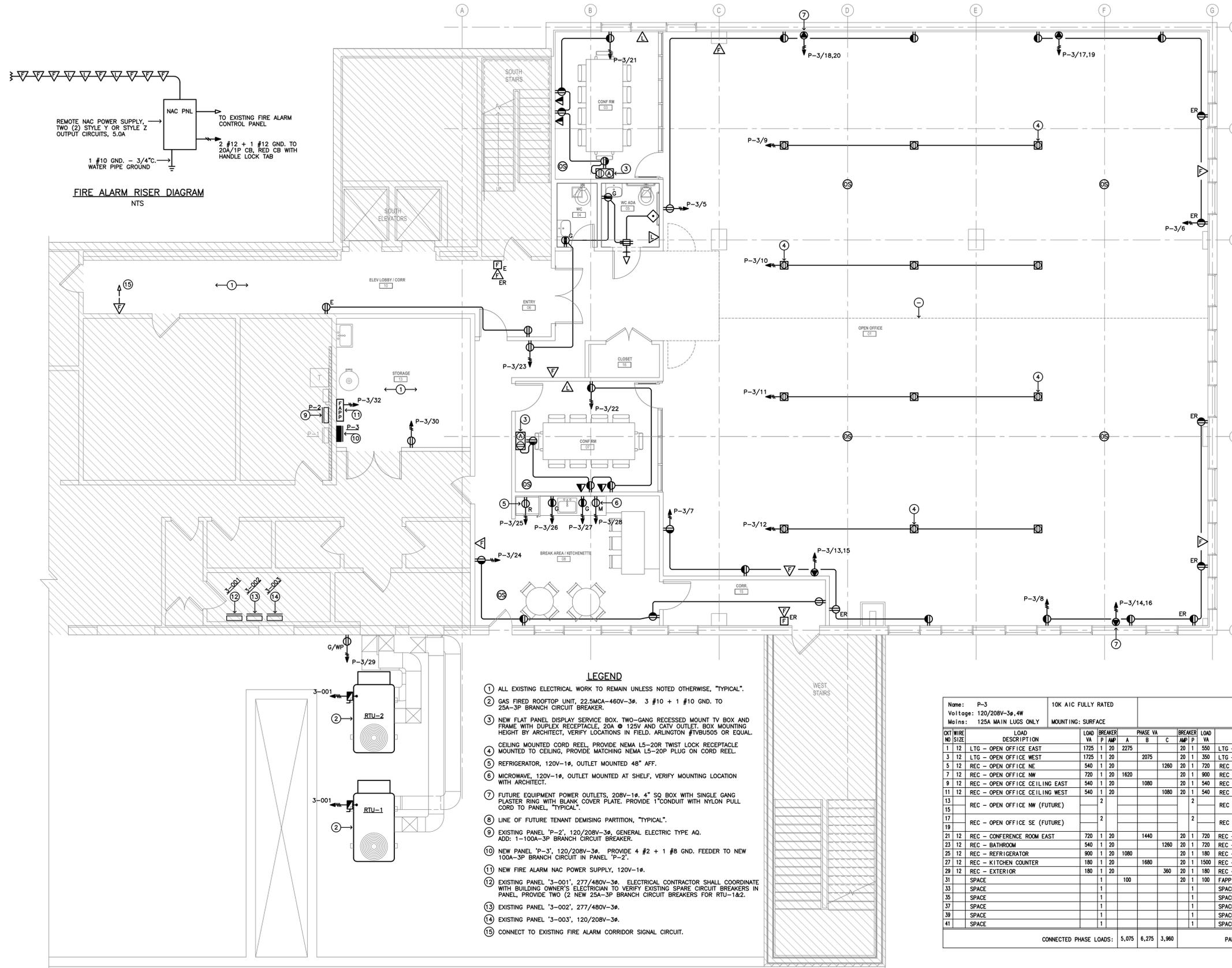
LIGHTING FIXTURE TYPE	XE
MANUFACTURER	COMPASS
CATALOG NO.	CCRGR
FIXTURE DESCRIPTION	EXIT SIGN/EMERGENCY LIGHTING UNIT
VOLTAGE	120/277
LAMP & DESIGNATION	LED
MOUNTING	SURFACE - WALL
HOUSING	THERMOPLASTIC - WHITE
LENS/LOUVER	RED LETTERS - WHITE FACE
REMARKS	SHADED AREA INDICATES FACE, CHEVRON DIRECTIONAL ARROWS AS INDICATED, MAINTENANCE FREE BATTERY, 90 MINUTE EMERGENCY OPERATION

LEGEND

- ① EXISTING CORRIDOR LIGHTING AND CONTROLS TO REMAIN WITH NO MODIFICATIONS.
- ② CONNECT TO EXISTING ROOM LIGHTING BRANCH CIRCUIT.
- ③ CONNECT TO EXISTING CORRIDOR LIGHTING BRANCH CIRCUIT AND CONTROL.
- ④ NEW PANEL "P-3", 120/208V-3ø.
- ⑤ LINE OF FUTURE TENANT DEMISING PARTITION, "TYPICAL".
- ⑥ PROVIDE WIRING TERMINATED IN JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE EXIT SIGN, VERIFY MOUNTING LOCATIONS IN FIELD.
- ⑦ EXHAUST FAN, 120V-1ø, CONTROLLED FROM ROOM LIGHTING SWITCH, "TYPICAL".



- TYPICAL ROOM LIGHTING AND RECEPTACLE CONTROL DETAIL**
- NOTES:
- 1. LIGHTING CONTROLLED BY MANUAL ON/OFF, AUTO OFF FROM SENSOR.
 - 2. LOCAL TASK RECEPTACLE(S) CONTROLLED AUTO ON/OFF BY SENSOR.
 - 3. LIGHTING CONTROL DIAGRAM BASED ON INFORMATION BY LEVITON.



POWER AND SYSTEMS FLOOR PLAN
SCALE: 3/16" = 1'-0"

Name: P-3		10K AIC FULLY RATED											
Voltage: 120/208V-3#, 4W		MOUNTING: SURFACE											
Moins: 125A MAIN LUGS ONLY													
WIRE NO	SIZE	LOAD DESCRIPTION	LOAD VA	BREAKER P	PHASE VA	A	B	C	BREAKER P	LOAD VA	LOAD DESCRIPTION	WIRE NO	
1	12	LTG - OPEN OFFICE EAST	1725	1	20	2275				1	550	LTG - CLOSET, BATHROOM, CONF RM	12 2
3	12	LTG - OPEN OFFICE WEST	1725	1	20	2075			20	1	350	LTG - BREAK AREA & CORRIDOR	12 4
5	12	REC - OPEN OFFICE NE	540	1	20		1280		20	1	720	REC - OPEN OFFICE SE	12 6
7	12	REC - OPEN OFFICE NW	720	1	20	1620			20	1	900	REC - OPEN OFFICE SW	12 8
9	12	REC - OPEN OFFICE CEILING EAST	540	1	20		1080		20	1	540	REC - OPEN OFFICE CEILING EAST	12 10
11	12	REC - OPEN OFFICE CEILING WEST	540	1	20			1080	20	1	540	REC - OPEN OFFICE CEILING WEST	12 12
13		REC - OPEN OFFICE NW (FUTURE)							2			REC - OPEN OFFICE SW (FUTURE)	14
15													16
17		REC - OPEN OFFICE SE (FUTURE)							2			REC - OPEN OFFICE NE (FUTURE)	18
19													20
21	12	REC - CONFERENCE ROOM EAST	720	1	20		1440		20	1	720	REC - CONFERENCE ROOM WEST	12 22
23	12	REC - BATHROOM	540	1	20			1280	20	1	720	REC - BREAK AREA & CORRIDOR	12 24
25	12	REC - REFRIGERATOR	900	1	20	1080			20	1	180	REC - KITCHEN COUNTER	12 26
27	12	REC - KITCHEN COUNTER	180	1	20		1680		20	1	1500	REC - MICROWAVE	12 28
29	12	REC - EXTERIOR	180	1	20			360	20	1	180	REC - STORAGE ROOM	12 30
31		SPACE							1		100	FAPP	12 32
33		SPACE										SPACE	12 34
35		SPACE										SPACE	12 36
37		SPACE										SPACE	12 38
39		SPACE										SPACE	12 40
41		SPACE										SPACE	12 42
CONNECTED PHASE LOADS:										5,075	6,275	3,960	PANEL DEMAND: 15,310VA / 360V = 43A

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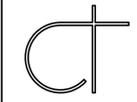


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PROJECT:

CLIMATE HAVEN

700 CHAPEL STREET
NEW HAVEN, CT 06511

NOT FOR CONSTRUCTION
ACT PROJECT NO. 2224

PROJECT PHASE:

BID DRAWINGS

DATE:

12/15/25

DRAWING HISTORY:

SHEET:

**POWER AND SYSTEMS
FLOOR PLAN**

E-300

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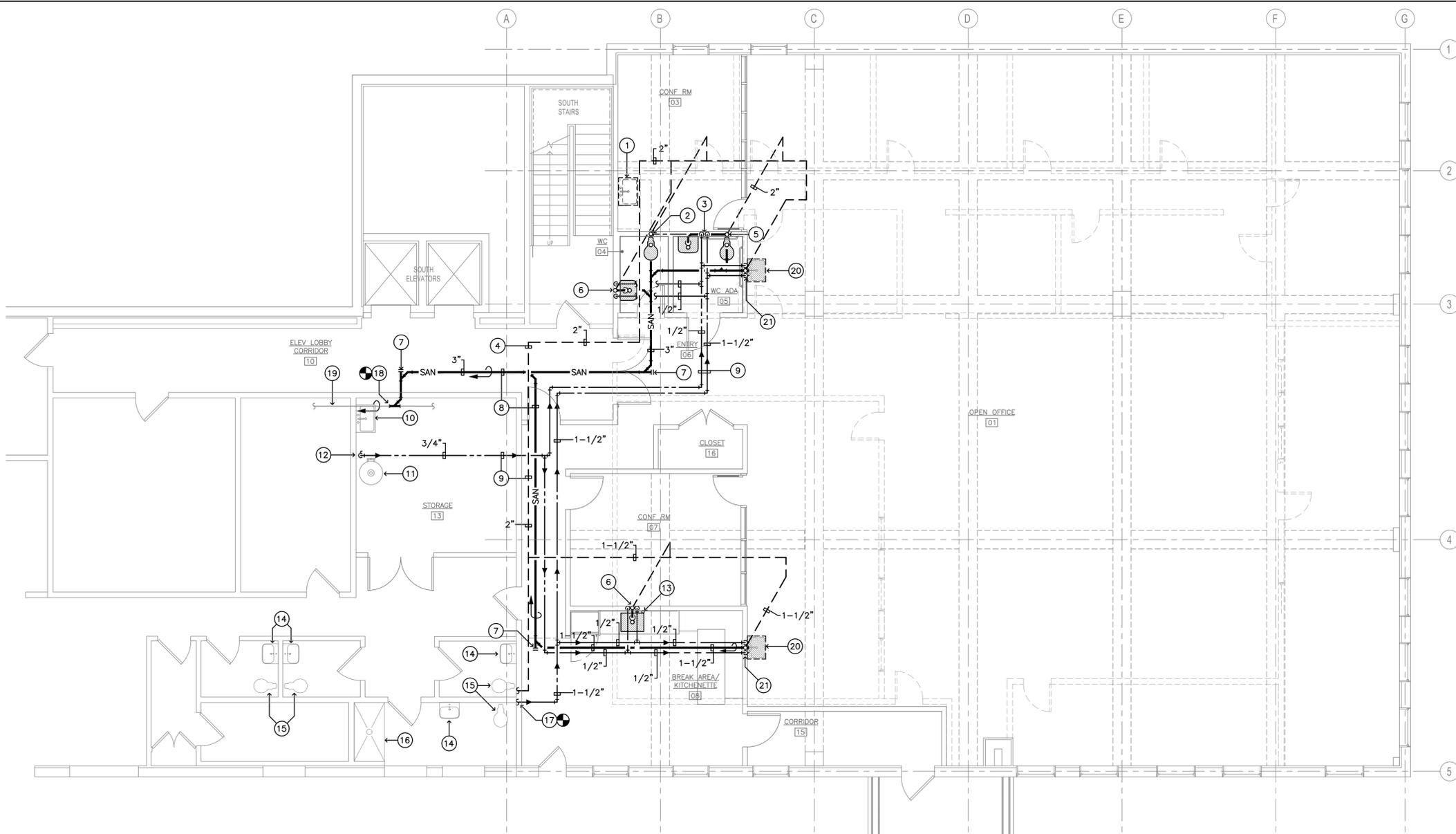
12/15/25

DRAWING HISTORY:

SHEET:

**PARTIAL THIRD FLOOR
PLAN - PLUMBING**

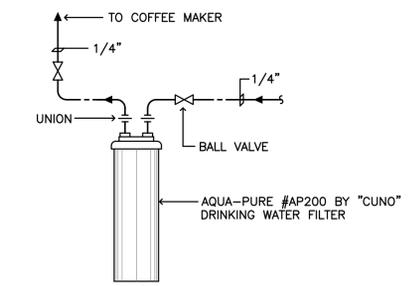
P-1



PARTIAL THIRD FLOOR PLAN - PLUMBING
SCALE: 3/16" = 1'-0"
NORTH

PLUMBING LEGEND

- 1 REMOVE AND DISPOSE OF EXISTING COUNTER SINK, ACCESSORIES AND ALL ASSOCIATED HOT, COLD, WASTE AND VENT PIPING. REMOVE SERVICES BACK TO BEHIND FINISHED WALLS OR FLOORS, CAP AND MAKE SAFE.
- 2 2" VENT UP IN NEW PARTITION.
- 3 1/2" HOT AND 1-1/2" COLD WATER DOWN TO FIXTURES, 1" COLD WATER TO EACH WATER CLOSET.
- 4 RUN ABOVE SUSPENDED CEILING.
- 5 2" WET VENT UP IN NEW PARTITION.
- 6 1/2" HOT AND COLD WATER DOWN, 1-1/2" VENT UP AND 1-1/2" WASTE DOWN INTO 2nd. FLOOR CEILING.
- 7 CLEANOUT.
- 8 RUN NEW SANITARY LINE ABOVE 2nd. FLOOR CEILING.
- 9 RUN ABOVE SUSPENDED CEILING OF THIRD FLOOR.
- 10 EXISTING SERVICE SINK TO REMAIN.
- 11 EXISTING ELECTRIC WATER HEATER TO REMAIN.
- 12 3/4" HOT WATER LINE DOWN, CONNECT TO EXISTING HOT WATER AT WATER HEATER, VALVE BRANCH INDIVIDUALLY.
- 13 1/4" I.D. COLD WATER LINE THROUGH GROMMET IN COUNTER FOR COFFEE MAKER, SEE FILTER DETAIL.
- 14 EXISTING WALL HUNG LAVATORY TO REMAIN.
- 15 EXISTING FLOOR SET, FLUSH VALVE WATER CLOSET TO REMAIN.
- 16 EXISTING SHOWER STALL TO REMAIN.
- 17 CONNECT NEW 2" VENT TO EXISTING VENT STACK FROM EXISTING MULTIPLE TOILET ROOMS, CONNECT NEW 1-1/2" COLD WATER TO EXISTING IN EXISTING TOILET ROOMS.
- 18 CONNECT NEW 3" SANITARY/WASTE PIPING TO EXISTING 4" SANITARY ABOVE SECOND FLOOR CEILING.
- 19 APPROXIMATE LOCATION OF EXISTING 4" SANITARY PIPING LOCATED ABOVE SECOND FLOOR CEILING.
- 20 FUTURE WALL HUNG HAND SINK, EXACT LOCATION TO BE DETERMINED BY ARCHITECT.
- 21 DROP 1/2" HOT AND COLD WATER DOWN IN PARTITION, 1-1/2" VENT UP AND 1-1/2" WASTE DOWN TO ABOVE CEILING OF FLOOR BELOW. STUB OUT AND MAKE SAFE, ROUGH ONLY FOR FUTURE SINK HOT, COLD AND WASTE PIPING.



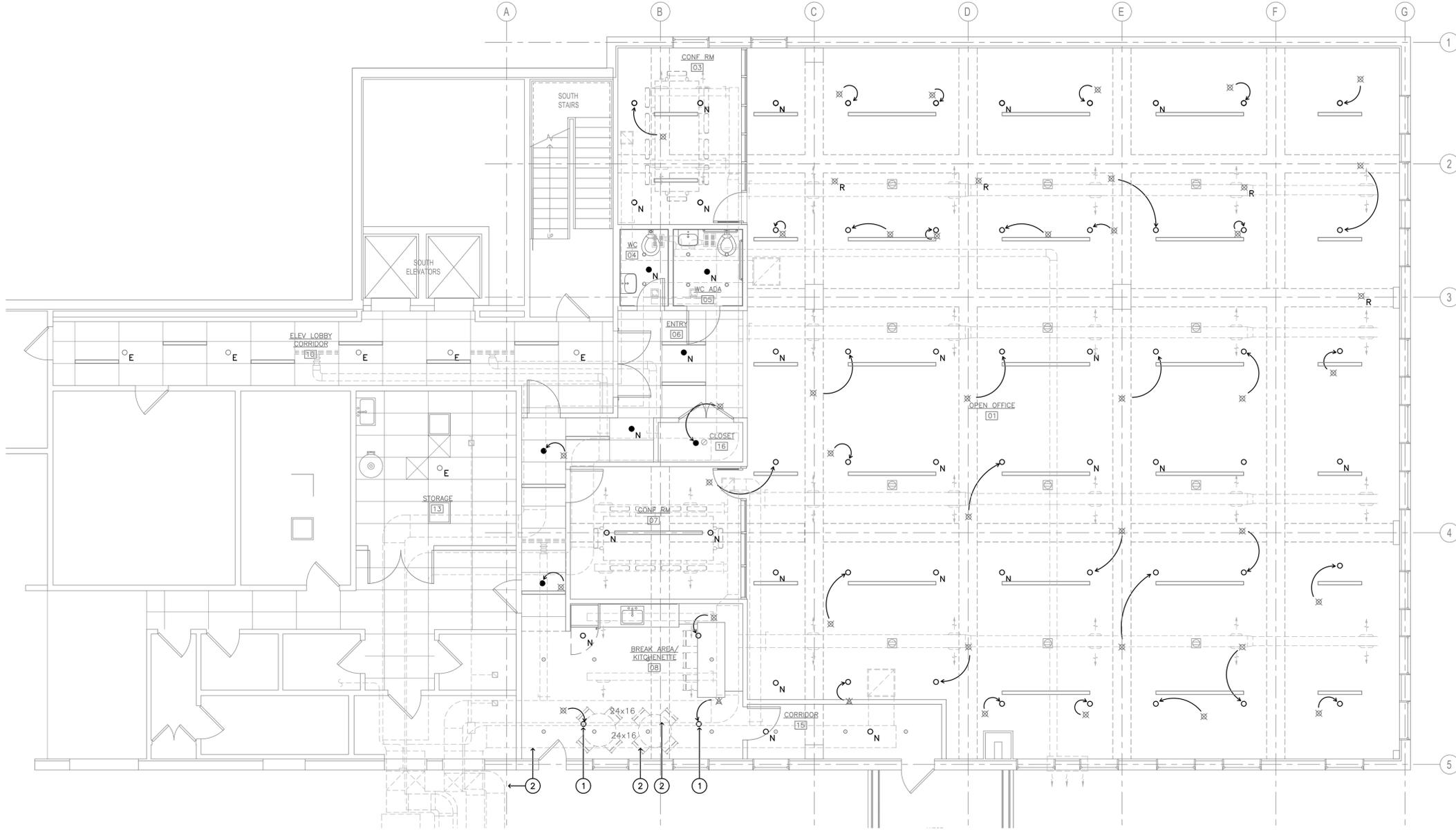
PIPING DETAIL AT WATER FILTER
N.T.S.

PLUMBING FIXTURE CONNECTION SCHEDULE						
SYMBOL	DESCRIPTION	HOT	COLD	WASTE	VENT	REMARKS
P1	WATER CLOSET	-	1"	3"	2"	WATER SAVING FIXTURE
P2	A.D.A. WATER CLOSET	-	1"	3"	2"	WATER SAVING FIXTURE
P3	LAVATORY WALL HUNG	1/2"	1/2"	1-1/2"	1-1/2"	WALL HUNG
P4	A.D.A. LAV. WALL HUNG	1/2"	1/2"	1-1/2"	1-1/2"	ADA COMPLIANT
P5	SINK UNDERMOUNT	1/2"	1/2"	1-1/2"	1-1/2"	ADA COMPLIANT

UNLESS NOTED OTHERWISE

SYMBOL	FIXTURE TYPE	FIXTURE SPECIFICATIONS	COMMENTS
P1	WATER CLOSET FLOOR SET FLUSH VALVE	WATER CLOSET SHALL BE "KOHLER" WELLCOME MODEL #K-96053. VITREOUS CHINA, 1.28 GALLON FLUSH, ELONGATED BOWL, SIPHON JET, FLOOR SET. WATER CLOSET SHALL BE COMPLETE WITH "OLSONITE" #95 WHITE OPEN FRONT SEAT. FLUSH VALVES SHALL HAVE VACUUM BREAKER AND RUBBER BUMPER ON STOP. FLUSH VALVES SHALL BE "SLOAN ROYAL" MODEL #111-1.28	STANDARD HEIGHT WATER SAVING FIXTURE
P2	WATER CLOSET FLOOR SET FLUSH VALVE ADA ACCESSIBLE	WATER CLOSET SHALL BE "KOHLER" HIGHCLIFF MODEL #K-96057. VITREOUS CHINA, 1.28 GALLON FLUSH, ELONGATED BOWL, SIPHON JET, FLOOR SET. WATER CLOSET SHALL BE COMPLETE WITH "OLSONITE" #95 WHITE OPEN FRONT SEAT. FLUSH VALVES SHALL HAVE VACUUM BREAKER AND RUBBER BUMPER ON STOP. FLUSH VALVES SHALL BE "SLOAN ROYAL" MODEL #111-1.28	ADA ACCESSIBLE WATER SAVING FIXTURE
P3	LAVATORY WALL HUNG	LAVATORIES SHALL BE "KOHLER" GREENWICH VITREOUS CHINA MODEL #K-2032, 20"x18" WALL MOUNTED WITH 4" FAUCET CENTERS. FAUCET SHALL BE "SYMMONS" SYMMETREX #S-20-G-FR-VP-W. SUPPLIES SHALL BE FLEXIBLE, TRAP SHALL BE SEMI-CAST CHROME PLATED, LAVATORY SHALL BE SUPPORTED ON PROPER BLOCKING IN WALL.	WALL HUNG WATER SAVING FIXTURE
P4	LAVATORY WALL HUNG ADA ACCESSIBLE	LAVATORIES AND TRIM SHALL BE SAME AS NOTED ABOVE, EXCEPT INSULATE TRAP AND SUPPLIES BELOW LAVATORY WITH "HANDI LAV-GUARD" PRE-FORMED INSULATING KIT AS MANUFACTURED BY TRU BRO. INC.	WALL HUNG WATER SAVING FIXTURE SET AT PROPER ADA HEIGHT
P5	STAINLESS STEEL UNDERMOUNT ADA SINK BREAK ROOM	COUNTER SINK SHALL BE EQUAL TO "ELKAY" LUSTERTONE MODEL #ELUH2115, SINGLE COMPARTMENT UNDERMOUNT, 18 GAUGE, TYPE 304 STAINLESS STEEL. SINK DEPTH IS 5.5". SINK SHALL BE COMPLETE WITH "ELKAY" MODEL #LKG000CR SINGLE HANDLE, PULL OUT FLEX SPRAY WITH GOOSENECK SPOUT. COUNTER SHALL HAVE 1-HOLE PUNCHING. SUPPLIES SHALL BE STAINLESS STEEL FLEXIBLE WITH STOPS, TRAP SHALL BE SEMI-CAST C.P. (COUNTER NOT IN THIS DIVISION).	FAUCET REQUIRES SINGLE HOLE. 5.5" SINK DEPTH FOR ADA.

- FIXTURE NOTES:**
1. INCLUDED SHALL BE PLUMBING FIXTURE NOTED, ALL TRIM ITEMS AND ALL ACCESSORY ITEMS SHOWN OR REQUIRED FOR A COMPLETE INSTALLATION. UNLESS NOTED OTHERWISE.
 2. THE FIXTURE SHALL BE COMPLETE WITH CHROME PLATING ON EXPOSED IRON OR PIPE, TRAPS, ANCHOR BOLTS, HANGERS, STRAINERS, LOOSE KEY STOP VALVES AT EVERY FIXTURE, FAUCET AND OTHER INCIDENTAL ITEMS FURNISHED AS STANDARD, UNLESS OTHERWISE NOTED OTHERWISE KOHLER NUMBERS ARE SPECIFIED.
 3. FIXTURE IS TO BE FIRST QUALITY, FREE OF CRACKS, BLEMISHES, OR OTHER IMPERFECTIONS AND TO BE "ACID RESISTING" QUALITY. SET AND PROPERLY CONNECT ALL FIXTURES WITH HOT AND COLD WATER, VENT AND DRAINAGE PIPING AND OTHER SERVICES AS REQUIRED AND PROTECT FIXTURES UNTIL FINAL ACCEPTANCE AND TEST.
 4. THE PLUMBING CONTRACTOR SHALL FURNISH, SET AND CONNECT FIXTURE AND ACCESSORIES SHOWN AND SPECIFIED TO FULLY COMPLETE THE PLUMBING INSTALLATION.



PARTIAL THIRD FLOOR PLAN — FIRE PROTECTION
 SCALE: 3/16" = 1'-0"

PLUMBING LEGEND

- ① NEW SPRINKLER HEAD (TYPICAL FORE TWO) BETWEEN THE TWO 24"x16" DUCT WORK, COORDINATE WITH HVAC DRAWINGS.
- ② LIGHTLY DASHED SYMBOL INDICATES NEW HVAC EQUIPMENT, SEE HVAC DRAWINGS.

SPRINKLER SYMBOLS

- EXISTING SPRINKLER HEAD TO REMAIN.
- NEW CHROME PENDENT SEMI RECESSED SPRINKLER HEAD. CONNECT TO EXISTING PIPING. EXTEND BRANCH PIPING OR CROSS MAIN AS NECESSARY TO SUIT NEW LAYOUT. MODIFY AS REQUIRED.
- EXISTING SPRINKLER HEAD TO BE REMOVED. CAP PIPING AT BRANCH.
- EXISTING SPRINKLER HEAD TO BE REMOVED. EXTEND EXISTING BRANCH PIPING TO NEW LOCATION AND INSTALL NEW CHROME PENDENT SEMI RECESSED SPRINKLER HEAD IN NEW SUSPENDED CEILING.
- EXISTING SPRINKLER HEAD TO BE REMOVED. EXTEND EXISTING BRANCH PIPING TO NEW LOCATION AND INSTALL NEW UPRIGHT SPRINKLER HEAD IN NEW SUSPENDED CEILING.
- NEW CHROME PENDENT SEMI RECESSED SPRINKLER HEAD. CONNECT TO EXISTING PIPING. EXTEND BRANCH PIPING OR CROSS MAIN AS NECESSARY TO SUIT NEW LAYOUT. MODIFY AS REQUIRED.

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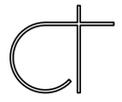


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 PLAN - FIRE PROTECTION**

FP-1