

ARCHITECTURAL ABBREVIATIONS

ABBREVIATIONS BELOW ARE APPLICABLE TO ALL ARCHITECTURAL SERIES DRAWINGS.

AFB ABOVE FINISH FLOOR	FAMB FLUID APPLIED MEMBRANE AIR AND WATER RESISTIVE BARRIER	NA NOT APPLICABLE
ALUM ALUMINUM	FBC FURNISHED BY CONTRACTOR	NIC NOT IN CONTRACT
ANU AIR HANDLING UNIT	FBO FURNISHED BY OWNER	NO NUMBER
APC ACOUSTICAL PANEL CEILING	FD FLOOR DRAIN	NTS NOT TO SCALE
BD BOARD	FE FIRE EXTINGUISHER	OC ON CENTER
BUD BUILDING	FEK FIRE EXTINGUISHER CABINET	ORD OVERFLOW ROOF DRAIN
CA COUNTER SUPPORT ANGLE	FP FILLER PANEL	PP AUTOMATIC DOOR PUSH PLATE
C/C CENTER TO CENTER	FR FIRE RETARDANT	PS POUNDS PER SQUARE INCH
CJ CONTROL JOINT	FT TREATED WOOD	R RISER
CL CENTER LINE	GA GAUGE	RD ROOF DRAIN
CLR CLEAR	GALV GALVANIZED	REQ REQUIRED
CMU CONCRETE MASONRY UNIT	GYP GYPSUM	RFO ROUGH OPENING
CO CLEAN OUT	GLZ GLAZING FILM	SC SHOWER CURTAIN
COL COLUMN	GP GLAZING PANEL	SCU SCUPPER
CONC CONCRETE	GYP GYPSUM	SF SQUARE FEET
CONT CONTINUOUS	HB HOSE BIB	SMT SHEET
CR CARD READER	HC HOSE CABINET	SM SIMILAR
CUH CABINET UNIT HEATER	HT HEIGHT	SPEC SPECIFICATIONS
CY CURB YARD	HM HOLLOW METAL	SS SOLID SURFACE
OW CURTAIN WALL	HORIZ HORIZONTAL	SSTL STAINLESS STEEL
DEPT DEPARTMENT	IBC INSTALLED BY CONTRACTOR	STRUC STRUCTURAL
DI DEIONIZED WATER	IG INSTALLED BY OWNER	T TREAD
DM DIAMETER	IG INSULATED GLAZING UNIT	THK THICK
DN DOWN	IS INSULATION JOINT	TYP TYPICAL
DWG DRAWING	IN INCHES	TOS TOP OF STEEL
DS DOWN SPOUT	LESS LESS	UNO UNLESS NOTED OTHERWISE
EA EACH	MAX MAXIMUM	VERT VERTICAL
EJ EXPANSION JOINT	MECH MECHANICAL	VF VERIFY IN THE FIELD
ELEC ELECTRICAL	MEP MECHANICAL, ELECTRICAL, & PLUMBING	W WIDE
ELEV ELEVATION	MFR MANUFACTURER	W/ WITH
EQ EQUAL	MH MANHOLE	ZVB ZONE VALVE BOX
EW EACH WAY	MIN MINIMUM	
EWG ELECTRIC WATER COOLER	MISC MISCELLANEOUS	
EWS EYE WASH STATION	MO MASONRY OPENING	
EXIST EXISTING		

REFER TO PROJECT MANUAL AND/OR SCHEDULES WHEN MULTIPLE TYPES OF AN ITEM OCCUR (FEC-1, FEC-2, ETC.). ALL ITEMS INDICATED MAY NOT BE INCLUDED IN THE PROJECT SCOPE. REFER TO DRAWINGS FOR SPECIFIC INSTANCES.

MATERIALS LEGEND

	BRICK (PLAN / SECTION)		GYPSUM BOARD
	CONCRETE		PLYWOOD
	CONCRETE BLOCK (PLAN / SECTION)		RIGID INSULATION
	EARTH		MINERAL WOOL
	FINISH WOOD		ROUGH WOOD
	GRAVEL		STEEL

GENERAL NOTES

- THE VARIOUS DRAWINGS COMPRISING THIS SET OF DRAWINGS ARE INTERDEPENDENT AND MUST BE USED JOINTLY TO EXECUTE THE WORK.
- WHERE DISCREPANCIES OCCUR BETWEEN FLOOR PLANS, DETAILS AND LARGER SCALE PLANS, CONTRACTOR SHALL CONSULT THE ARCHITECT FOR CLARIFICATION. WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL AND ALL OTHER DRAWINGS, CONTRACTOR SHALL CONSULT THE ARCHITECT FOR INTERPRETATIONS.
- MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL WORK IS INDICATED ON THE HVAC, PLUMBING, ELECTRICAL, TECHNOLOGY AND STRUCTURAL DRAWINGS. CONTRACTORS MUST REFER TO ALL ARCHITECTURAL SERIES DRAWINGS, AS WELL AS MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL DRAWINGS, WHEN INSTALLING MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL WORK.
- DO NOT SCALE THE DRAWINGS. IF QUESTIONS ARISE, CONTACT THE ARCHITECT FOR CLARIFICATION.
- EXISTING BUILDING INFORMATION IS BASED ON ORIGINAL CONSTRUCTION DOCUMENTS AND IS NOT INTENDED TO REPRESENT EXISTING "AS-BUILT" CONDITIONS. CONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS.

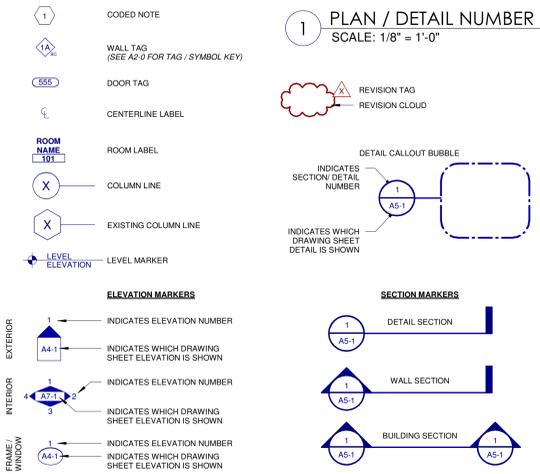
WARNING! ASBESTOS HAZARD

THIS PROJECT AREA MAY CONTAIN ASBESTOS MATERIALS USED FOR FIREPROOFING AND INSULATION. THE CONSTRUCTION AREA HAS BEEN CLEANED OF THESE MATERIALS PRIOR TO COMMENCEMENT OF WORK. ASBESTOS MAY BE ENCOUNTERED IN THE COURSE OF NEW WORK OR DEMOLITION ACTIVITIES.

IF ANY MATERIAL IS UNCOVERED WHICH IS SUSPECTED TO CONTAIN ASBESTOS, CEASE WORK & NOTIFY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL POST OSHA APPROVED SIGNS WHICH WILL REMAIN IN PLACE, ALERTING THE TRADESMEN TO THE HAZARDOUS CONDITION.

ARCHITECTURAL LEGEND

NOTE: REFER TO INDIVIDUAL DRAWING LEGENDS FOR ADDITIONAL SYMBOLS.



PROJECT INTENT

THE PROJECT INTENT IS TO COMPLETE ALTERATION WORK TO THE UPPER (17, 907 SF) AND LOWER (8,809 SF) FLOORS OF THE EXISTING BUILDING LOCATED AT 211 MOODY AVE. THE INTENT IS TO LIMIT PRIMARY ALTERATION WORK TO THE PROJECT AREAS AS DEFINED BY THE CONSTRUCTION DOCUMENTS AND TO PROVIDE ADDITIONAL LIMITED INFRASTRUCTURE IMPROVEMENTS TO AREAS OUTSIDE THE PROJECT AREA. THE USE WILL CHANGE IN FROM E TO B, WITH THE CONSTRUCTION CLASSIFICATION REMAINING THE SAME. THERE ARE NO ADDITIONS WHICH MODIFY THE EXISTING BUILDING AREA, OCCUPANCIES, OR USES. ALL NEW WORK PERFORMED SHALL COMPLY WITH CURRENT BUILDING CODES AND REGULATIONS, HOWEVER, THE PROJECT INTENT IS NOT TO BRING THE ENTIRE STRUCTURE INTO COMPLIANCE WITH CURRENT BUILDING CODES WHERE NO NEW WORK IS BEING PERFORMED. THIS WORK RECONFIGURES INTERIOR PARTITIONS AND DOES NOT INTEND TO ADD OCCUPANT LOAD, BUT ACTUALLY REDUCING IT DUE TO THE CHANGE IN USE.

THE PROJECT SCOPE SHALL BE LIMITED TO ALTERATION WORK AS INDICATED ON THE CONSTRUCTION DOCUMENTS. ALTERATION WORK AND IMPROVEMENTS WITHIN THE PROJECT AREA INCLUDE, BUT SHALL NOT BE LIMITED TO, THE FOLLOWING SYSTEMS: HVAC, PLUMBING, FIRE ALARM, NORMAL POWER, DATA AND COMMUNICATION, LIGHTING, INTERIOR PARTITIONS, DOORS AND HARDWARE, AND INTERIOR FINISHES.

ASBESTOS AND UNIVERSAL WASTE ABATEMENT WILL OCCUR THROUGH SEPARATE CONTRACT.

ROOF REPAIR AND REPLACEMENT WILL OCCUR THROUGH SEPARATE CONTRACT.

REGULATORY INFO

BUILDING PERMIT JURISDICTION	STATE OF OHIO
PLUMBING PERMIT JURISDICTION	STATE OF OHIO
BUILDING CODE JURISDICTION	2024 OHIO BUILDING CODE 2024 OHIO MECHANICAL CODE 2024 OHIO PLUMBING CODE 2023 NATIONAL ELECTRIC CODE 2009 ICC A117.1 2017 OCF 117.1
RISK CATEGORY	II
FIRE SUPPRESSION	PARTIAL: LOWER LEVEL ONLY
EXISTING BUILDING CODE COMPLIANCE METHOD	PRESCRIPTIVE

CHAPTER 3 USE GROUP CLASSIFICATION

EXISTING BUILDING IS CLASSIFIED AS 'E' USE AS IT WAS PREVIOUSLY AN EDUCATIONAL FACILITY. THE NEW USE WILL BE FOR COUNTY OFFICES AND SERVICES.

2024 IFGC	2021 IFGC
2021 IECC	2021 IECC
2022 NFPA 13	2022 NFPA 13
2022 NFPA 72	2022 NFPA 72
2017 OCF 117.1	2017 OCF 117.1

CHAPTER 5 HEIGHT

ALLOWABLE BUILDING HEIGHT (504.3)	55 FEET
ALLOWABLE NUMBER OF STORIES (504.4)	2 STORIES
ACTUAL BUILDING HEIGHT	34'-0" +/- FEET
ACTUAL BUILDING STORIES	2 STORIES

AREA	
ALLOWABLE AREA FACTOR (506.2)	14,500 SF
% INCREASE FOR FRONTAGE (506.3.3)	79%
ALLOWABLE AREA PER STORY	25,375 SF
ALLOWABLE BUILDING AREA	25,375 SF

ACTUAL AREAS	
UPPER LEVEL - EAST	10,829 SF; NO CHANGE
UPPER LEVEL - WEST*	25,055 SF; NO CHANGE
UPPER LEVEL - TOTAL	35,884 SF; NO CHANGE
LOWER LEVEL	8,809 SF; NO CHANGE
TOTAL BUILDING	44,693 SF; NO CHANGE

*INCLUDES BUILDING AREA IN ITS ENTIRETY, INCLUDING OUTSIDE OF PROJECT AREA

CODE INFORMATION

CHAPTER 6 CONSTRUCTION TYPE

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS - TABLE 601	HOUR RATING	UL ASSEMBLY
PRIMARY STRUCTURAL FRAME	0	N/A
COLUMNS SUPPORTING FLOORS	0	N/A
MEMBERS SUPPORTING ONLY ROOFS	0	N/A
MEMBERS SUPPORTING ONLY ROOFS	0	N/A
BEARING WALLS EXTERIOR	0	N/A
INTERIOR	0	N/A
NONBEARING WALLS AND PARTITIONS EXTERIOR WALLS SEPARATED > 3'	0	N/A
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0	N/A
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0	N/A

CHAPTER 8 INTERIOR WALL AND CEILING FINISH FLAME SPREAD AND SMOKE DEVELOPED INDEX REQUIREMENTS: TABLE 803.13

EXIT STAIRWAYS, EXIT RAMPS, & EXIT PASSAGEWAYS	CLASS B (FS: 28-75, SD: 0-450)
CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS	CLASS C (FS: 76-200, SD: 0-450)
ROOMS AND ENCLOSED SPACES	CLASS C (FS: 76-200, SD: 0-450)

CHAPTER 10 MAXIMUM DESIGN OCCUPANT LOAD AND REQUIREMENTS

LEVEL	OCCUPANTS	EXITS REQUIRED	EXITS PROVIDED
LOWER LEVEL	59	2	4
UPPER LEVEL	120	2	6

	REQUIRED	PROVIDED
EXIT LENGTH	20' MAX	125' OR LESS
CORRIDOR WIDTH	44" MIN	63" MIN
EXIT DOOR WIDTH	35.8"	47"

CHAPTER 29 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (B USE)

TOTAL OCCUPANTS = 179					
WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINK		
M	F	M	F		
REQD	4	4	1	1	1
PROVIDED	9 UNSEX	9 UNSEX	2	2	2

DRAWING INDEX

A0-0	COVER SHEET	P203	LOWER LEVEL - PLUMBING WASTE PLAN (NEW WORK)
AS-1	DEMOLITION ARCHITECTURAL SITE PLAN	P204	UPPER LEVEL - PLUMBING WASTE PLAN (NEW WORK)
AS-2	ARCHITECTURAL SITE PLAN	P301	PLUMBING SCHEDULES AND DETAILS
A0-1	LIFE SAFETY PLANS	P302	PLUMBING SCHEDULES AND DETAILS
		P401	PLUMBING ISOMETRICS
A1-1	DEMOLITION PLAN - LOWER LEVEL	M101	LOWER LEVEL - HVAC PLAN (DEMOLITION)
A1-2	DEMOLITION PLAN - UPPER LEVEL	M102	UPPER LEVEL - HVAC PLAN (DEMOLITION)
A1-3	DEMOLITION CEILING PLAN - LOWER LEVEL	M103	ROOF MECHANICAL PLAN (DEMOLITION)
A1-4	DEMOLITION CEILING PLAN - UPPER LEVEL	M201	LOWER LEVEL - HVAC DUCTWORK PLAN (NEW WORK)
A1R-1	DEMOLITION PLAN - ROOF PLAN - BASE BID	M202	UPPER LEVEL - HVAC DUCTWORK PLAN (NEW WORK)
A1R-2	DEMOLITION PLAN - ROOF PLAN - BID ALTERNATE	M301	LOWER LEVEL - HVAC PIPING PLAN (NEW WORK)
A2-0	INTERIOR PARTITION GENERAL INFO	M302	UPPER LEVEL - HVAC PIPING PLAN (NEW WORK)
A2-0.1	RATED JOINT & PENETRATION DETAILS	M303	ROOF MECHANICAL PLAN (NEW WORK)
A2-1	FLOOR PLAN - LOWER LEVEL	M401	MECHANICAL SCHEDULES AND DETAILS
A2-2	FLOOR PLAN - UPPER LEVEL	M402	MECHANICAL SCHEDULES AND DETAILS
A2R-0	GENERAL INFO & TYPICAL ROOF DETAILS	M403	MECHANICAL SCHEDULES AND DETAILS
A2R-0.1	GENERAL INFO & TYPICAL ROOF DETAILS	M404	MECHANICAL SCHEDULES AND DETAILS
A2R-1	ROOF PLAN - BASE BID	M405	MECHANICAL SCHEDULES AND DETAILS
A2R-2	ROOF PLAN - BID ALTERNATE	M406	MECHANICAL SCHEDULES AND DETAILS
A3-0	GENERAL INFO & TYPICAL CEILING DETAILS	M407	MECHANICAL SCHEDULES AND DETAILS
A3-1	REFLECTED CEILING PLAN - LOWER LEVEL	E101	LOWER LEVEL - LIGHTING PLAN (DEMOLITION)
A3-2	REFLECTED CEILING PLAN - UPPER LEVEL	E102	UPPER LEVEL - LIGHTING PLAN (DEMOLITION)
A4-1	EXTERIOR ELEVATIONS & DETAILS	E103	LOWER LEVEL - POWER / SYSTEMS PLAN (DEMOLITION)
A6-0	GENERAL INFO & TYPICAL STAIR DETAILS	E104	UPPER LEVEL - POWER / SYSTEMS PLAN (DEMOLITION)
A7-0	TYPICAL MOUNTING HEIGHTS	E105	ROOF ELECTRICAL PLAN (DEMOLITION)
A7-1	GENERAL INFO & TYPICAL MILLWORK DETAILS	E201	LOWER LEVEL - LIGHTING PLAN (NEW WORK)
A7-2	INTERIOR ELEVATIONS	E202	UPPER LEVEL - LIGHTING PLAN (NEW WORK)
A7-3	INTERIOR ELEVATIONS	E203	LOWER LEVEL - POWER / SYSTEMS PLAN (NEW WORK)
A7-4	INTERIOR ELEVATIONS	E204	UPPER LEVEL - POWER / SYSTEMS PLAN (NEW WORK)
A7-5	INTERIOR ELEVATIONS	E205	LOWER LEVEL - MECHANICAL EQUIPMENT PLAN (NEW WORK)
A8-0	DOOR & FRAME SCHEDULES & DETAILS	E206	UPPER LEVEL - MECHANICAL EQUIPMENT PLAN (NEW WORK)
A9-1	FINISH PLAN - LOWER LEVEL	E207	ROOF ELECTRICAL PLAN (NEW WORK)
A9-2	FINISH PLAN - UPPER LEVEL	E301	ELECTRICAL SCHEDULES
A11-1	FURNITURE & EQUIP PLAN - LOWER LEVEL	E302	ELECTRICAL SERVICE #1 (EXISTING CONDITIONS)
A11-2	FURNITURE & EQUIP PLAN - UPPER LEVEL	E303	ELECTRICAL SERVICE #1 (REVISED CONDITIONS)
FP101	LOWER LEVEL - FIRE PROTECTION PLAN (NEW WORK)	E304	ELECTRICAL SERVICE #2 (EXISTING CONDITIONS)
FP102	UPPER LEVEL - FIRE PROTECTION PLAN (NEW WORK)	E305	ELECTRICAL SERVICE #2 (REVISED CONDITIONS)
P101	LOWER LEVEL - PLUMBING PLAN (DEMOLITION)	E306	ELECTRICAL SCHEDULES AND DETAILS
P102	UPPER LEVEL - PLUMBING PLAN (DEMOLITION)	E307	ELECTRICAL SCHEDULES AND DETAILS
P201	LOWER LEVEL - PLUMBING PLAN (NEW WORK)		
P202	UPPER LEVEL - PLUMBING PLAN (NEW WORK)		

CARROLL COUNTY OFFICE RENOVATION

211 MOODY AVE SW CARROLLTON OHIO 44615

PROJECT NUMBER 24013.000

OWNER

CARROLL COUNTY BOARD OF COMMISSIONERS
119 S. LISBON STREET, SUITE 201 - CARROLLTON, OH 44615

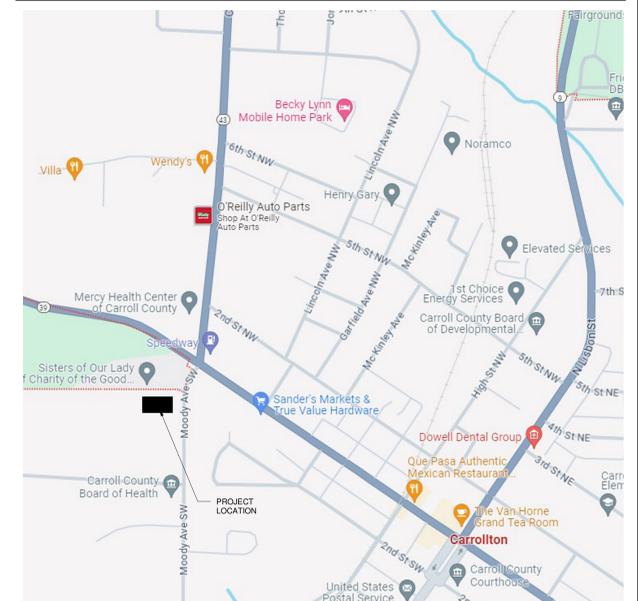
ARCHITECT

HASENSTAB ARCHITECTS, INC.
190 N. UNION STREET, SUITE 400 - AKRON, OHIO 44304
(330) 434-4464

MECHANICAL & ELECTRICAL ENGINEER

EPIC ENGINEERING GROUP, LLC
3730 TABS DRIVE, SUITE 200 - UNIONTOWN, OH 44685
(330) 899-4955

LOCATION MAP



CARROLL COUNTY BOARD OF COMMISSIONERS
CARROLL COUNTY OFFICE RENOVATION
 211 MOODY AVE SW
 CARROLLTON OHIO 44615



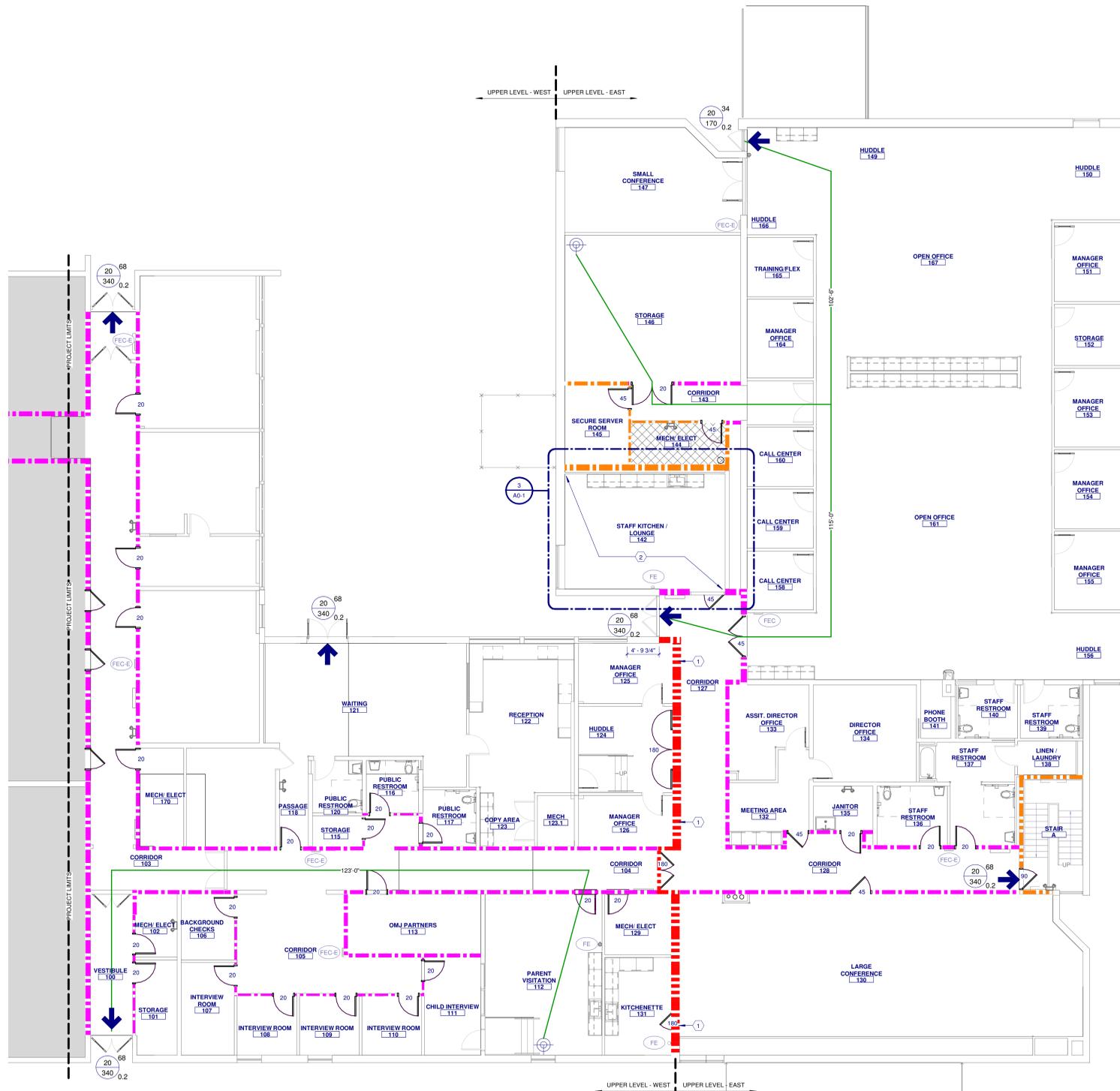
ISSUE / REVISION	DATE
BIDDING AND PLAN REVIEW	10/15/2024

PROJECT NO. 24013.000

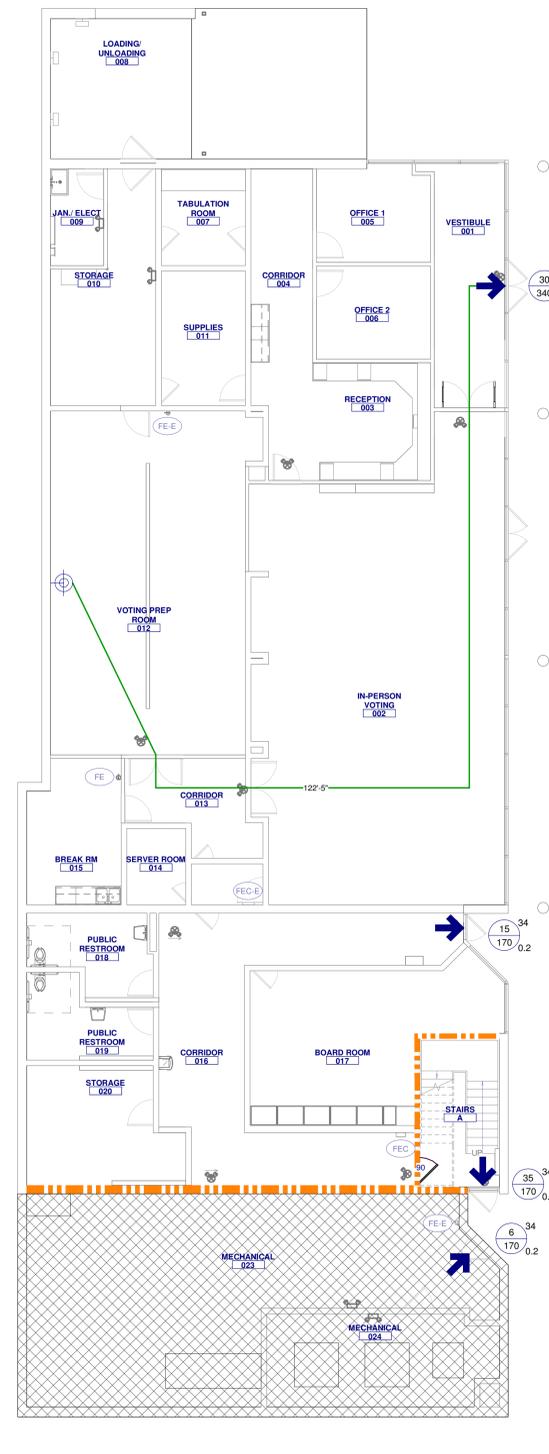
COVER SHEET

A0-0

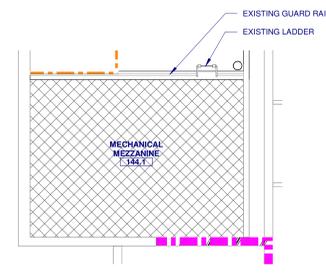
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2 LIFE SAFETY PLAN - UPPER LEVEL
 SCALE: 1/8" = 1'-0"



1 LIFE SAFETY PLAN - LOWER LEVEL
 SCALE: 1/8" = 1'-0"



3 LIFE SAFETY PLAN - MEZZANINE PLAN
 SCALE: 1/8" = 1'-0"

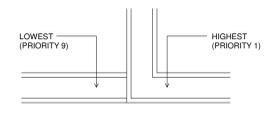
CODED NOTES

- NOTE: ALL CODED NOTES MAY NOT APPEAR ON EVERY SHEET
- EXISTING 3 HOUR FIRE WALL. RATING DETERMINED FROM EXISTING RATED DOORS. WALL EXTENDS ABOVE ROOF.
 - EXISTING MEZZANINE LOCATED ABOVE THIS ROOM (424 SF) ACCESSED VIA EXISTING WALL MOUNTED STEEL LADDER.

LIFE SAFETY WALL LEGEND

- 3 - HOUR FIRE-RESISTANCE RATED WALL
 - 2 - HOUR FIRE-RESISTANCE RATED WALL
 - 1 - HOUR FIRE-RESISTANCE RATED WALL
 - 0 - HOUR FIRE-RESISTANCE RATED WALL
- RATING WILL COINCIDE WITH FIRE & SMOKE PROTECTION FEATURES BELOW:
- FIREWALL (IBC 706) (PRIORITY 1)
 - FIRE BARRIER (IBC 707) (PRIORITY 2)
 - FIRE PARTITION (IBC 708) (PRIORITY 3)
- REFER TO WALL TYPE INFORMATION ON A2-0 FOR ADDITIONAL WALL TERMINATION AND CONSTRUCTION DETAILS.

FIRE ASSEMBLY CONTINUITY



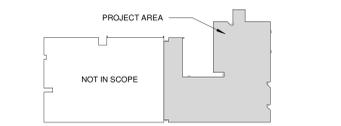
LEGEND

- FE - PORTABLE FIRE EXTINGUISHER LOCATION
- FEC - PORTABLE FIRE EXTINGUISHER CABINET
- EXIT - EXIT
- W - ACTUAL CLEAR WIDTH OF LIMITING COMPONENT (INCHES)
- X - OCCUPANTS USING EXIT
- Y - EXIT CAPACITY
- Z - EGRESS WIDTH PER OCCUPANT (INCHES / OCCUPANT)
- MOST REMOTE POINT, TO DETERMINE EXIT ACCESS TRAVEL DISTANCE
- ## - DOOR FIRE RATING

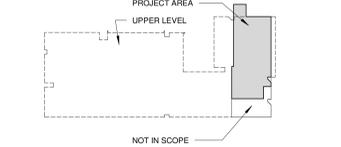
MECHANICAL SPACE

OCCUPANT LOAD = 1,902 GROSS SQ. FT. / 300 = 7 OCCUPANTS

UPPER LEVEL KEY PLAN



LOWER LEVEL KEY PLAN



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LIFE SAFETY PLANS

A0-1

CODED NOTES

NOTE: ALL CODED NOTES MAY NOT APPEAR ON EVERY SHEET

- 1 REMOVE DOOR AND FRAME.
- 2 REMOVE MILLWORK AND SINK.
- 3 REMOVE WATER COOLER AND PREPARE FOR NEW FIXTURE.
- 4 REMOVE WALL AS NOTED AND PREPARE FOR NEW DOOR.
- 5 REMOVE WALL AS NOTED.
- 6 REMOVE TOILETS/URINALS.
- 7 REMOVE SHOWER FIXTURES.
- 8 REMOVE TUB.
- 9 REMOVE RESTROOM PARTITIONS.
- 10 REMOVE MOP BASIN.
- 11 REMOVE WALL AS NOTED AND PREPARE FOR NEW WINDOW. COORDINATE OPENING WITH NEW WINDOW.
- 12 REMOVE SHOWER THRESHOLD.
- 13 REMOVE WINDOW.
- 14 REMOVE WALL MOUNTED SINK.
- 15 REMOVE HOLLOW METAL WINDOW AND DOOR. PREP WALL FOR NEW WINDOW AND DOOR.
- 16 REMOVE CEILING AND LIGHT FIXTURES IN THIS ROOM.
- 17 REMOVE LIGHT FIXTURES IN THIS ROOM.
- 18 REMOVE SOFFIT.
- 19 REMOVE PORTION OF EXISTING WALL FOR NEW KEY DROP. COORDINATE OPENING SIZE AND LOCATION WITH EQUIPMENT.
- 20 REMOVE FIRE EXTINGUISHER CABINET. PATCH WALL AS NEEDED.
- 21 REMOVE EXISTING LIGHT FIXTURES AND PREPARE FOR NEW.
- 22 REMOVE SOFFIT AND PREP FOR NEW WORK.
- 23 TEMPORARY PARTITION.
- 24 REMOVE EXISTING CURTAINS AND BLINDS FROM WINDOWS.
- 25 WOOD FLOORING TO REMAIN.
- 26 REMOVE DOOR PANEL. DOOR FRAME TO REMAIN FOR NEW DOOR.
- 27 REMOVE EXISTING WATER COOLER AND CAP PLUMBING LINES.
- 28 PREPARE EXISTING DOOR FRAME FOR NEW DOOR.
- 29 REMOVE METAL GRATE FLOOR AND PREP FOR INFILL.
- 30 REMOVE EXISTING COAT RACK.
- 31 REMOVE LADDER.
- 32 REMOVE GYM EQUIPMENT.
- 33 REMOVE EXISTING ACCESSORIES.
- 34 REMOVE LIGHT FIXTURE.
- 35 REMOVE EXISTING SPEAKER.
- 36 EXISTING MECHANICAL UNIT TO BE REMOVED. SEE MECHANICAL.
- 37 EXISTING WATER HEATER TO BE REMOVED. SEE PLUMBING.
- 38 REMOVE TILE FLOORING AND PREPARE FOR NEW FLOORING PER SPECIFICATIONS.
- 39 EXISTING AC UNIT TO BE REMOVED. LITE IN WINDOW TO BE REPAIRED.
- 40 EXISTING UNIT VENTILATOR TO REMAIN IN BASE BID. UNDER ALTERNATE 1 - EXISTING UNIT TO BE REMOVED. SEE MECHANICAL DRAWINGS.
- 41 REMOVE EXTERIOR WOOD FRAMED WALL. CONCRETE RETAINING WALL TO REMAIN.
- 42 REMOVE EXTERIOR WALL, DOOR, AND WINDOWS.
- 43 REMOVE ROOF STRUCTURE IN ITS ENTIRETY.
- 44 REMOVE TEMPORARY INFILL FROM AC UNIT. LITE IN WINDOW TO BE REPAIRED.
- 45 EXISTING WINDOW TO BE REMOVED AND PREPARE OPENING FOR NEW WINDOW.
- 46 REMOVE CARPET FLOORING AND PREPARE FOR NEW FLOORING PER SPECIFICATIONS.
- 47 REMOVE DOOR FRAME.
- 48 DOOR FRAME TO REMAIN. PREPARE FOR NEW DOOR.



CARROLL COUNTY BOARD OF COMMISSIONERS
CARROLL COUNTY OFFICE RENOVATION

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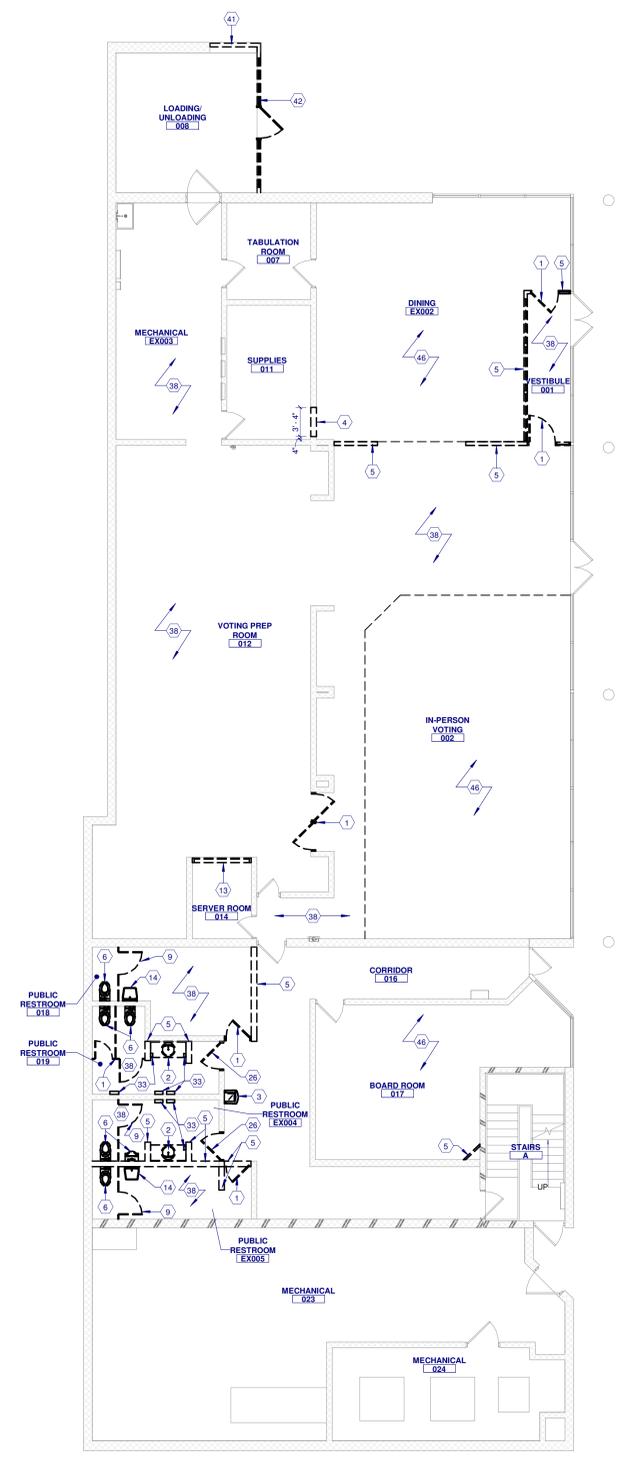
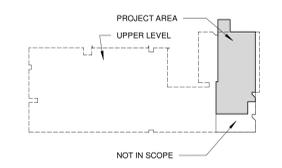
GENERAL NOTES

1. MAINTAIN BUILDING IN WEATHERTIGHT CONDITION AT ALL TIMES.
2. NOTIFY ARCHITECT PRIOR TO DEMOLITION IF ITEM INDICATED TO BE REMOVED IS SUSPECTED AS STRUCTURAL ELEMENT.
3. ALL STRUCTURAL MEMBERS ARE TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.
4. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO ADJACENT AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE INCURRED.
5. TEMPORARY PARTITIONS ARE TO BE ERRECTED PRIOR TO COMMENCEMENT OF DEMOLITION WORK AND ARE TO REMAIN IN PLACE UNTIL WORK IS COMPLETED. UNO. REFER TO PROJECT MANUAL FOR REQUIREMENTS.
6. ALL DEMOLITION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION OF NORMAL DAILY ACTIVITIES IN THE PROJECT AREA.
7. ALL DEMOLISHED ITEMS ARE TO REMAIN THE PROPERTY OF THE OWNER AT THEIR DISCRETION. ALL ITEMS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. IN ADDITION, SEE CODED NOTES FOR ITEMS TO BE REMOVED AND TURNED OVER TO THE OWNER.
8. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL DRAWINGS FOR REQUIRED DEMOLITION AND RELATED WORK.
9. RESUPPORT EXISTING CONDUIT, PIPING AND EQUIPMENT TO REMAIN AS REQUIRED DUE TO DEMOLITION.
10. WALLS ARE GYPSUM BOARD ON METAL STUDS UNLESS NOTED OTHERWISE. REMOVE ENTIRE WALL TO UNDERSIDE OF DECK UNLESS NOTED OTHERWISE.
11. REMOVE FLOORING AND BASE WHERE NEW FINISHES ARE INDICATED AND AS NOTED UNLESS PREVIOUSLY REMOVED UNDER ASBESTOS ABATEMENT. PATCH AND REPAIR SUBSTRATES FOR NEW FINISHES. FLOORING/BASE TO BE REMOVED IS VCT WITH RESILIENT BASE UNLESS NOTED OTHERWISE.
12. REMOVE CEILING WHERE NEW CEILINGS ARE INDICATED AND AS NOTED. REMOVE ALL UNUSED AND ABANDONED FASTENERS, SUPPORTS, BRACKETS, HANGERS, ETC., ABOVE THE CEILING. PATCH AND REPAIR WALL SURFACES FOR NEW CEILING INSTALLATION. CEILING TO BE REMOVED IS ACOUSTICAL PANEL CEILING UNLESS NOTED OTHERWISE.
13. IN DEMOLITION AREAS, REMOVE ALL MISCELLANEOUS ITEMS ON WALLS INCLUDING TACKBOARDS, TOILET ACCESSORIES, CORNER GUARDS AND OTHER WALL MOUNTED ITEMS, UNLESS NOTED OTHERWISE.
14. PATCH ALL EXISTING ADJACENT INTERIOR FINISHES TO REMAIN AS UNDISTURBED BY THE DEMOLITION TO MATCH ADJACENT SURFACES.
15. FILL AND LEVEL ALL HOLES IN FLOORS AND WALLS AFTER REMOVAL OF PIPES, DUCTS, CONDUIT AND OTHER PENETRATING ITEMS. MAINTAIN REQUIRED FIRE RATINGS.
16. WHERE CHALKBOARDS WERE REMOVED IN PART OF ABATEMENT, PREP WALL WITH BLOCK FILLER AND PREPARE FOR PAINT TO MATCH ADJACENT SURFACES.
17. REMOVE WALLPAPER ON ALL WALLS TO REMAIN.

LEGEND

- WALL OR ITEM TO BE REMOVED ALL DASHED ITEMS ARE TO BE REMOVED

LOWER LEVEL KEY PLAN



1 DEMOLITION PLAN - LOWER LEVEL
SCALE: 1/8" = 1'-0"

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PROJECT NO. 24013.000

DEMOLITION PLAN - LOWER LEVEL

A1-1

CODED NOTES

NOTE: ALL CODED NOTES MAY NOT APPEAR ON EVERY SHEET

- 1 REMOVE DOOR AND FRAME.
- 2 REMOVE MILLWORK AND SINK.
- 3 REMOVE WATER COOLER AND PREPARE FOR NEW FIXTURE.
- 4 REMOVE WALL AS NOTED AND PREPARE FOR NEW DOOR.
- 5 REMOVE WALL AS NOTED.
- 6 REMOVE TOILETS/URINALS.
- 7 REMOVE SHOWER FIXTURES.
- 8 REMOVE TUB.
- 9 REMOVE RESTROOM PARTITIONS.
- 10 REMOVE MOP BASIN.
- 11 REMOVE WALL AS NOTED AND PREPARE FOR NEW WINDOW. COORDINATE OPENING WITH NEW WINDOW.
- 12 REMOVE SHOWER THRESHOLD.
- 13 REMOVE WINDOW.
- 14 REMOVE WALL MOUNTED SINK.
- 15 REMOVE HOLLOW METAL WINDOW AND DOOR. PREP WALL FOR NEW WINDOW AND DOOR.
- 16 REMOVE CEILING AND LIGHT FIXTURES IN THIS ROOM.
- 17 REMOVE LIGHT FIXTURES IN THIS ROOM.
- 18 REMOVE SOFFIT.
- 19 REMOVE PORTION OF EXISTING WALL FOR NEW KEY DROP. COORDINATE OPENING SIZE AND LOCATION WITH EQUIPMENT.
- 20 REMOVE FIRE EXTINGUISHER CABINET. PATCH WALL AS NEEDED.
- 21 REMOVE EXISTING LIGHT FIXTURES AND PREPARE FOR NEW.
- 22 REMOVE SOFFIT AND PREP FOR NEW WORK.
- 23 TEMPORARY PARTITION.
- 24 REMOVE EXISTING CURTAINS AND BLINDS FROM WINDOWS.
- 25 WOOD FLOORING TO REMAIN.
- 26 REMOVE DOOR PANEL. DOOR FRAME TO REMAIN FOR NEW DOOR.
- 27 REMOVE EXISTING WATER COOLER AND CAP PLUMBING LINES.
- 28 PREPARE EXISTING DOOR FRAME FOR NEW DOOR.
- 29 REMOVE METAL GRATE FLOOR AND PREP FOR INFILL.
- 30 REMOVE EXISTING COAT RACK.
- 31 REMOVE LADDER.
- 32 REMOVE GYM EQUIPMENT.
- 33 REMOVE EXISTING ACCESSORIES.
- 34 REMOVE LIGHT FIXTURE.
- 35 REMOVE EXISTING SPEAKER.
- 36 EXISTING MECHANICAL UNIT TO BE REMOVED. SEE MECHANICAL.
- 37 EXISTING WATER HEATER TO BE REMOVED. SEE PLUMBING.
- 38 REMOVE TILE FLOORING AND PREPARE FOR NEW FLOORING PER SPECIFICATIONS.
- 39 EXISTING AC UNIT TO BE REMOVED. LITE IN WINDOW TO BE REPAIRED.
- 40 EXISTING UNIT VENTILATOR TO REMAIN IN BASE BID. UNDER ALTERNATE 1 - EXISTING UNIT TO BE REMOVED. SEE MECHANICAL DRAWINGS.
- 41 REMOVE EXTERIOR WOOD FRAMED WALL. CONCRETE RETAINING WALL TO REMAIN.
- 42 REMOVE EXTERIOR WALL, DOOR, AND WINDOWS.
- 43 REMOVE ROOF STRUCTURE IN ITS ENTIRETY.
- 44 REMOVE TEMPORARY INFILL FROM AC UNIT. LITE IN WINDOW TO BE REPAIRED.
- 45 EXISTING WINDOW TO BE REMOVED AND PREPARE OPENING FOR NEW WINDOW.
- 46 REMOVE CARPET FLOORING AND PREPARE FOR NEW FLOORING PER SPECIFICATIONS.
- 47 REMOVE DOOR FRAME.
- 48 DOOR FRAME TO REMAIN. PREPARE FOR NEW DOOR.



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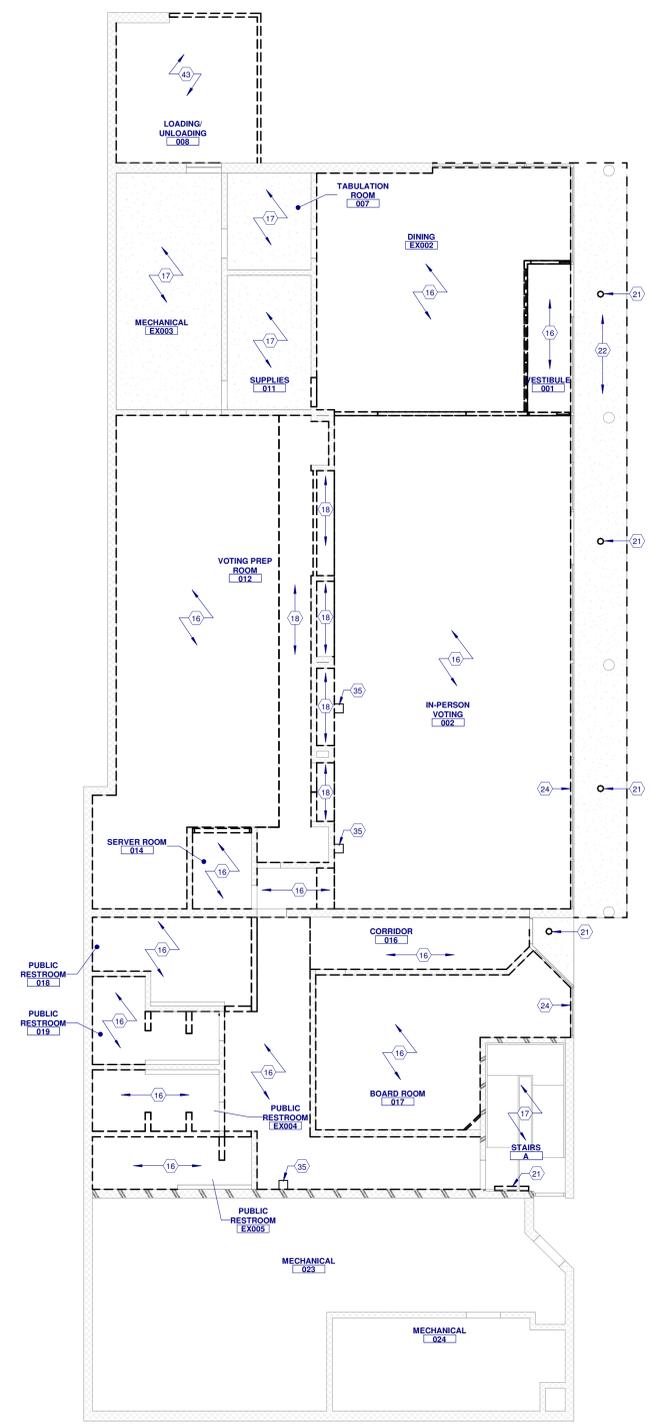
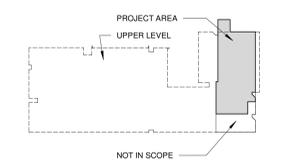
GENERAL NOTES

1. MAINTAIN BUILDING IN WEATHERTIGHT CONDITION AT ALL TIMES.
2. NOTIFY ARCHITECT PRIOR TO DEMOLITION IF ITEM INDICATED TO BE REMOVED IS SUSPECTED AS STRUCTURAL ELEMENT.
3. ALL STRUCTURAL MEMBERS ARE TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.
4. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO ADJACENT AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE INCURRED.
5. TEMPORARY PARTITIONS ARE TO BE ERRECTED PRIOR TO COMMENCEMENT OF DEMOLITION WORK AND ARE TO REMAIN IN PLACE UNTIL WORK IS COMPLETED. UNO. REFER TO PROJECT MANUAL FOR REQUIREMENTS.
6. ALL DEMOLITION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION OF NORMAL DAILY ACTIVITIES IN THE PROJECT AREA.
7. ALL DEMOLISHED ITEMS ARE TO REMAIN THE PROPERTY OF THE OWNER AT THEIR DISCRETION. ALL ITEMS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. IN ADDITION, SEE CODED NOTES FOR ITEMS TO BE REMOVED AND TURNED OVER TO THE OWNER.
8. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL DRAWINGS FOR REQUIRED DEMOLITION AND RELATED WORK.
9. RESUPPORT EXISTING CONDUIT, PIPING AND EQUIPMENT TO REMAIN AS REQUIRED DUE TO DEMOLITION.
10. WALLS ARE GYPSUM BOARD ON METAL STUDS UNLESS NOTED OTHERWISE. REMOVE ENTIRE WALL TO UNDERSIDE OF DECK UNLESS NOTED OTHERWISE.
11. REMOVE FLOORING AND BASE WHERE NEW FINISHES ARE INDICATED AND AS NOTED UNLESS PREVIOUSLY REMOVED UNDER ASBESTOS ABATEMENT. PATCH AND REPAIR SUBSTRATES FOR NEW FINISHES. FLOORING/BASE TO BE REMOVED IS VCT WITH RESILIENT BASE UNLESS NOTED OTHERWISE.
12. REMOVE CEILING WHERE NEW CEILINGS ARE INDICATED AND AS NOTED. REMOVE ALL UNUSED AND ABANDONED FASTENERS, SUPPORTS, BRACKETS, HANGERS, ETC., ABOVE THE CEILING. PATCH AND REPAIR WALL SURFACES FOR NEW CEILING INSTALLATION. CEILING TO BE REMOVED IS ACUSTICAL PANEL CEILING UNLESS NOTED OTHERWISE.
13. IN DEMOLITION AREAS, REMOVE ALL MISCELLANEOUS ITEMS ON WALLS INCLUDING TACKBOARDS, TOILET ACCESSORIES, CORNER GUARDS AND OTHER WALL MOUNTED ITEMS, UNLESS NOTED OTHERWISE.
14. PATCH ALL EXISTING ADJACENT INTERIOR FINISHES TO REMAIN AS UNDISTURBED BY THE DEMOLITION TO MATCH ADJACENT SURFACES.
15. FILL AND LEVEL ALL HOLES IN FLOORS AND WALLS AFTER REMOVAL OF PIPES, DUCTS, CONDUIT AND OTHER PENETRATING ITEMS. MAINTAIN REQUIRED FIRE RATINGS.
16. WHERE CHALKBOARDS WERE REMOVED IN PART OF ABATEMENT, PREP WALL WITH BLOCK FILLER AND PREPARE FOR PAINT TO MATCH ADJACENT SURFACES.
17. REMOVE WALLPAPER ON ALL WALLS TO REMAIN.

LEGEND

- WALL OR ITEM TO BE REMOVED ALL DASHED ITEMS ARE TO BE REMOVED

LOWER LEVEL KEY PLAN



1 DEMOLITION CEILING PLAN - LOWER LEVEL
SCALE: 1/8" = 1'-0"

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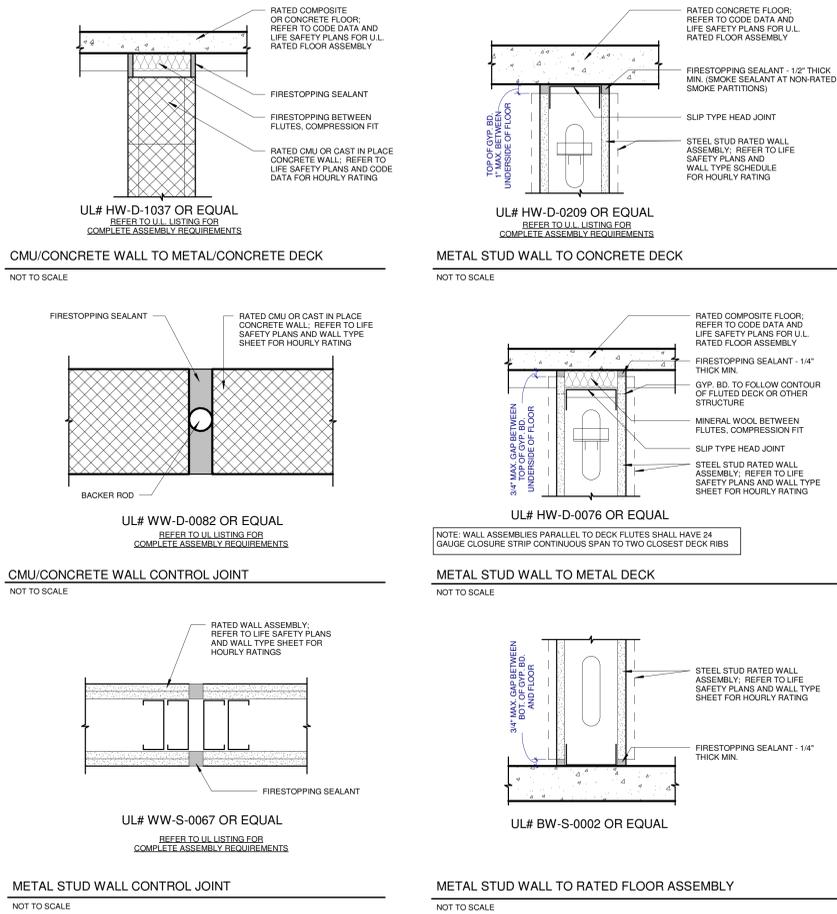
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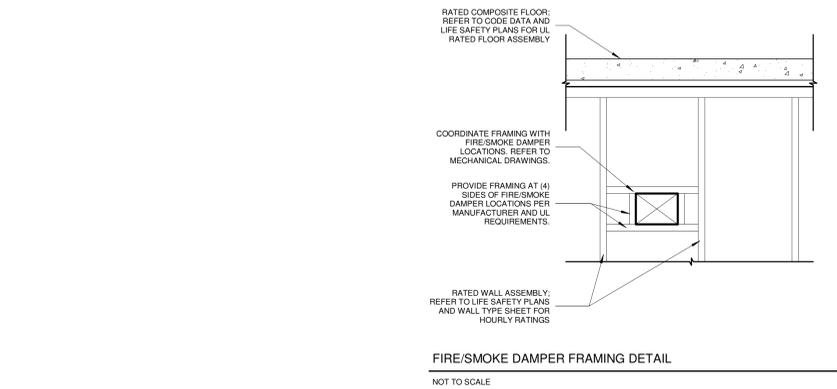
DEMOLITION
CEILING PLAN -
LOWER LEVEL

A1-3

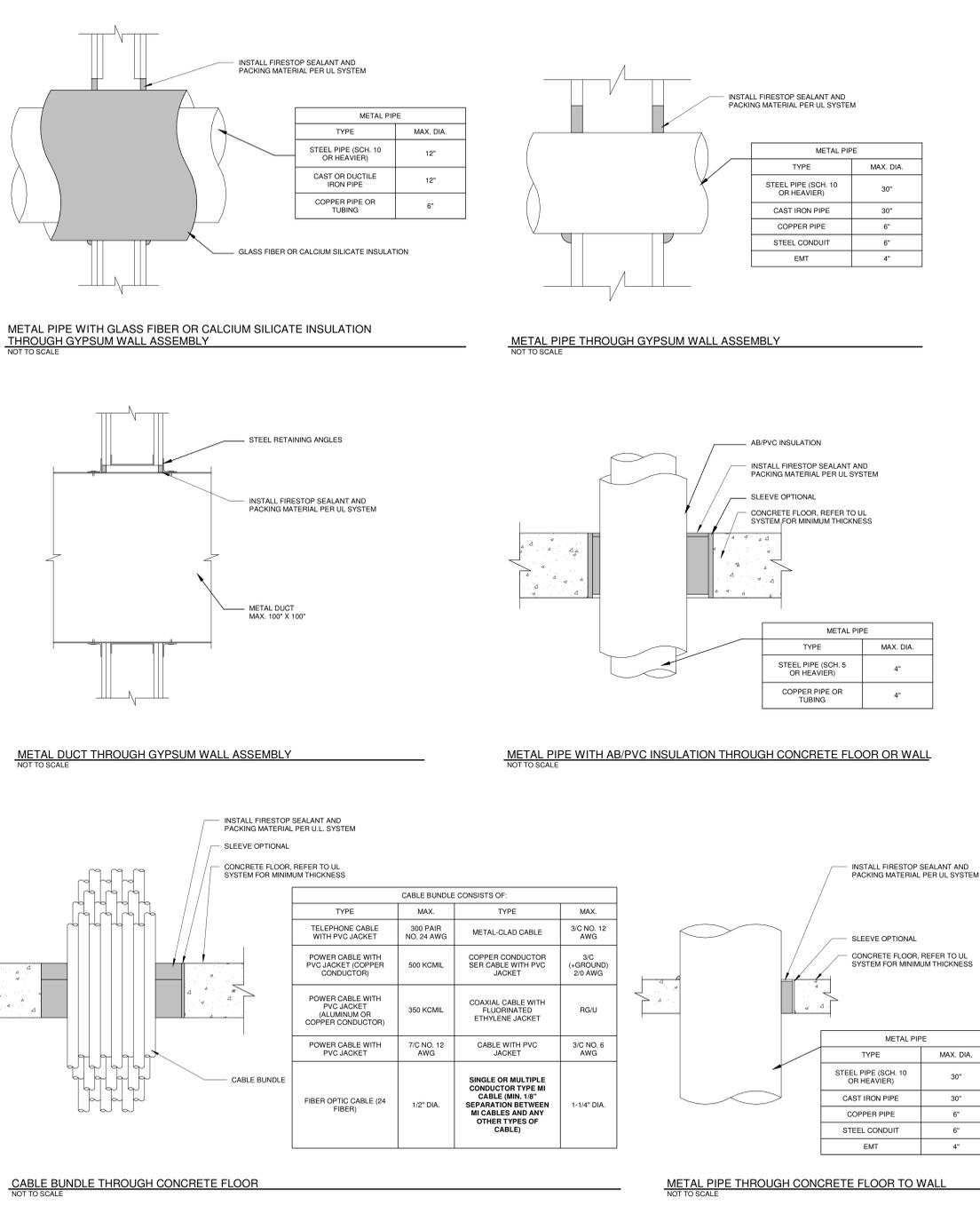
TYPICAL RATED WALL JOINT DETAILS



MISC. RATED WALL DETAILS



TYPICAL RATED WALL AND FLOOR PENETRATION DETAILS

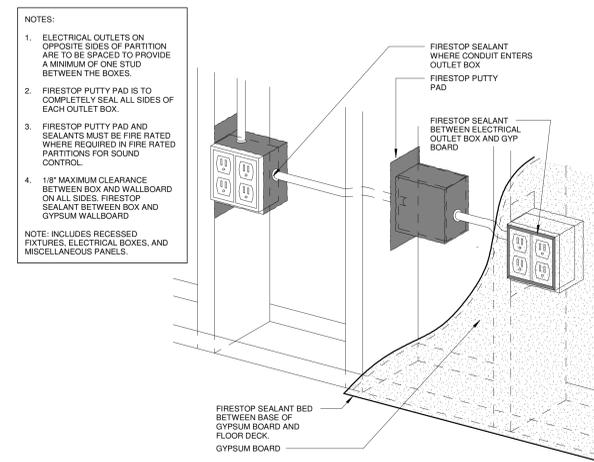


TYP. FIRESTOP SYSTEMS CHART

FIRESTOP SYSTEM FOR THROUGH PENETRATIONS (BASIS OF DESIGN: HLT, SM AND STI ARE APPROVED MANUFACTURERS)			
TYPE OF PENETRANT	CONCRETE FLOOR/BLOCK WALLS	GYPSUM WALLS	GYPSUM SHAFT WALLS
BLANK OPENING	CAJ-0390 (2hr) FA-0014 (3hr) CAJ-0081 (4hr)	WL-0012 (1.2hr) WL-0040 (1.2hr)	
METAL PIPE	CAJ-1226 (3hr) FA-1016 (2hr)	WL-1054 (1.2hr) WL-1207 (1.2hr) WL-1111 (4hr)	WL-1205 (2hr) WL-1380 (2hr)
PLASTIC PIPE	CAJ-2109 (3hr) FA-2034 (3hr) CAJ-2084 (3hr)	WL-3378 (1.2hr) WL-2129 (1.2hr) WL-2245 (4hr)	
INSULATED PLASTIC PIPE	CAJ-5320 (2hr)	WL-5225 (1.2hr)	
CABLE BUNDLE	CAJ-3095 (3hr) FA-3007 (3hr) WJ-3050 (4hr)	WL-3055 (1.2hr) WL-3334 (1.2,3,4hr) WL-3394 (1.2hr)	WL-3161 (2hr)
CABLE TRAYS	CAJ-4071 (2hr) CAJ-4083 (2hr) WJ-4050 (4hr)	WL-4011 (1.2hr)	
METAL PIPE WITH GLASS FIBER OR POLYISO INSULATIONS	FA-5032 (2hr) CAJ-5081 (2hr) FA-5017 (2hr)	WL-5029 (2.3 hr) WL-5257 (1.2hr)	WL-5044 (2hr)
METAL PIPE WITH AB PVC INSULATION	CAJ-5090 (3hr) FA-5032 (2hr) FB-5004 (3hr)	WL-5028 (1.2hr)	WL-5143 (2hr)
MISCELLANEOUS ELECTRICAL (BUSWAY)	CAJ-6017 (2hr) CAJ-6042 (2hr) FA-6052 (2hr)	WL-6019 (2hr)	
SHEET METAL DUCT (RECTANGULAR)	CAJ-7051 (3hr)	WL-7040 (2hr) WL-7155 (2hr) WL-7059 (1.2hr)	
SHEET METAL DUCT (ROUND)	CAJ-7084 (2hr)	WL-7042 (1.2hr) WL-7153 (1.2hr)	WL-7068 (2hr)
MULTIPLE PENETRANTS	FA-5032 (2hr) CAJ-8142 (2hr) FA-8012 (2hr) WJ-8009 (4hr)	WL-8065 (2hr) WL-8079 (2hr) WL-8071 (2hr) WL-8014 (2hr)	WL-8098 (2hr)
MEMBRANE PENETRATIONS - OUTLET BOXES		CLV listing (1 and 2hr only)	

FIRESTOP SYSTEM FOR CONSTRUCTION JOINTS (BASIS OF DESIGN: HLT, SM AND STI ARE APPROVED MANUFACTURERS)	
GYPSUM WALLS (INCLUDING SHAFT WALLS)	
PERPENDICULAR TO METAL DECK	HWD-0076 (1.2hr) HWD-1866 (1.2hr) HWD-0045 (1.2hr) HWD-0120 (3hr)
PARALLEL TO METAL DECK	HWD-0049 (1.2hr) HWD-1867 (2hr) HWD-0184 (1.2hr) HWD-0539 (1.2hr)
FLAT CONCRETE	HWD-0757 (1.2hr) HWD-1868 (1.2hr) HWD-0599 (1.2hr)
SHAFT WALL PARALLEL TO METAL DECK	HWD-0570 (1.2hr)
SHAFT WALL PERPENDICULAR TO METAL DECK	HWD-0569 (1.2hr)
SHAFT WALL TO FLAT CONCRETE	HWD-0342 (1.2hr) HWD-0572 (1.2hr)
STANDARD GYPSUM WALL TO CONCRETE FLOOR (BOTTOM OF WALL)	BWS-0002 (1.2hr) BWS-0039 (1.2hr)
SHAFT WALL TO CONCRETE FLOOR (BOTTOM OF WALL)	BWS-0040 (1.2hr) BWS-0023 (1.2hr)
WALL TO WALL	WWD-0067 (2hr)
CONCRETE OR BLOCK WALLS	
PERPENDICULAR TO METAL DECK	HWD-1037 (2hr) HWD-0081 (2hr) HWD-0044 (4hr)
PARALLEL TO METAL DECK	HWD-0181 (2hr) HWD-0081 (2hr) HWD-0296 (4hr)
FLAT CONCRETE	HWD-1058 (3hr) HWD-0268 (3hr) HWD-1103 (4hr)
WALL TO WALL	WWD-0082 (2hr) WWD-1011 (2hr)

TYPICAL RECEPTACLE AT RATED PARTITIONS



GENERAL NOTES

- THROUGH PENETRATIONS OF FIRE RATED WALLS OR PARTITIONS SHALL BE PROTECTED WITH AN APPROVED LISTED SYSTEM THAT MEETS OR EXCEEDS THE FIRE RATING OF THE WALL SYSTEM PENETRATED. REFER TO SPECIFICATIONS AND PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS.
- MEMBRANE PENETRATIONS (SINGLE SIDE OF WALL) OF FIRE RATED WALLS OR PARTITIONS SHALL BE PROTECTED WITH AN APPROVED LISTED SYSTEM THAT MEETS OR EXCEEDS THE FIRE RATING OF THE WALL SYSTEM PENETRATED, OR MEET AN CBC 714.3.2 EXCEPTION APPROVED BY ARCHITECT.
- THE CONTRACTOR SHALL UTILIZE AN APPROVED LISTED THROUGH PENETRATION PROTECTION SYSTEM APPROPRIATE FOR THE PENETRATING ITEMS TYPE, SIZE, AND WALL CONSTRUCTION. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. SUBMIT PRODUCTS FOR APPROVAL.
- PENETRATIONS OF CONCRETE OR MASONRY WALL ASSEMBLIES BY 6" MAXIMUM JACKETED WIRES IN OPENINGS OF 144 SQUARE INCHES MAXIMUM MAY BE PROTECTED BY FILLING THE FULL THICKNESS OF THE ASSEMBLY SURROUNDING THE PENETRATING ITEM WITH CONCRETE, GROUT OR MORTAR.
- FIRE RATED WALLS, FLOORS/CEILINGS, ROOF/CEILINGS, SHAFTS AND OTHER FIRE RATED ASSEMBLIES SHALL BE VERIFIED AND COORDINATED FOR CONTINUITY AND COMPLETION.
- ASSEMBLIES LISTED IN CHARTS ARE NOT ALL INCLUSIVE. ADDITIONAL UL FIRESTOP SYSTEMS THAT ARE COMPATIBLE WITH ONE ANOTHER, WITH THE SUBSTRATES FORMING OPENINGS, AND WITH THE ITEMS, IF ANY, PENETRATING THROUGH PENETRATION FIRESTOP SYSTEMS UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE ARE ACCEPTABLE.



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RATED JOINT & PENETRATION DETAILS

A2-0.1

CODED NOTES

- NOTE: ALL CODED NOTES MAY NOT APPEAR ON EVERY SHEET
- 1 INSTALL ANGLE AROUND PERIMETER OF CONCRETE OPENING IN FLOOR, INFILL WITH METAL DECK AND CONCRETE SLAB
 - 2 INSTALL METAL STUDS, METAL DECK, AND CONCRETE SLAB AT FLOOR INFILL
 - 3 CENTER GYPSUM BOARD WALL ON EXISTING MASONRY WALL
 - 4 PROVIDE OPAQUE WINDOW FILM (GF-2) ON INSIDE OF EXISTING WINDOW
 - 5 PATCH WALL AS NEEDED FROM CHAIRBOARD REMOVAL
 - 6 CONCRETE SLAB FLOORING INFILL
 - 7 EXISTING DOOR AND FRAME TO BE PAINTED P-5
 - 8 GROMMET IN COUNTER
 - 9 6" CONCRETE DRIVE WITH 6#6-W/ 4#1.4 W/F REINFORCING OVER 6" ODDY 304 COMPACTED AGGREGATE BASE. PROVIDE 1" CONTROL JOINTS (SAW CUT) AT 9'-0" O.C. MAX. SLOPE TO DRAIN
 - 10 ALIGN NEW CONCRETE DRIVE WITH INTERSECTION OF STOREFRONT AND MASONRY WALL
 - 11 PROVIDE TWO VENTS IN DRWALL ON TOP AND BOTTOM (TOTAL 4); COORDINATE LOCATION WITH ARCHITECT IN FIELD
 - 12 BOTTOM LITE IN EXISTING WINDOW TO BE REPLACED
 - 13 PATCH AND REPAIR COLUMN SURROUND, PAINT IN ITS ENTIRETY
 - 14 EXISTING MOP BASIN TO REMAIN, CLEAN AND PROVIDE NEW MOP HOLDER
 - 15 STEEL STRUCTURE TO BE PAINTED P-5



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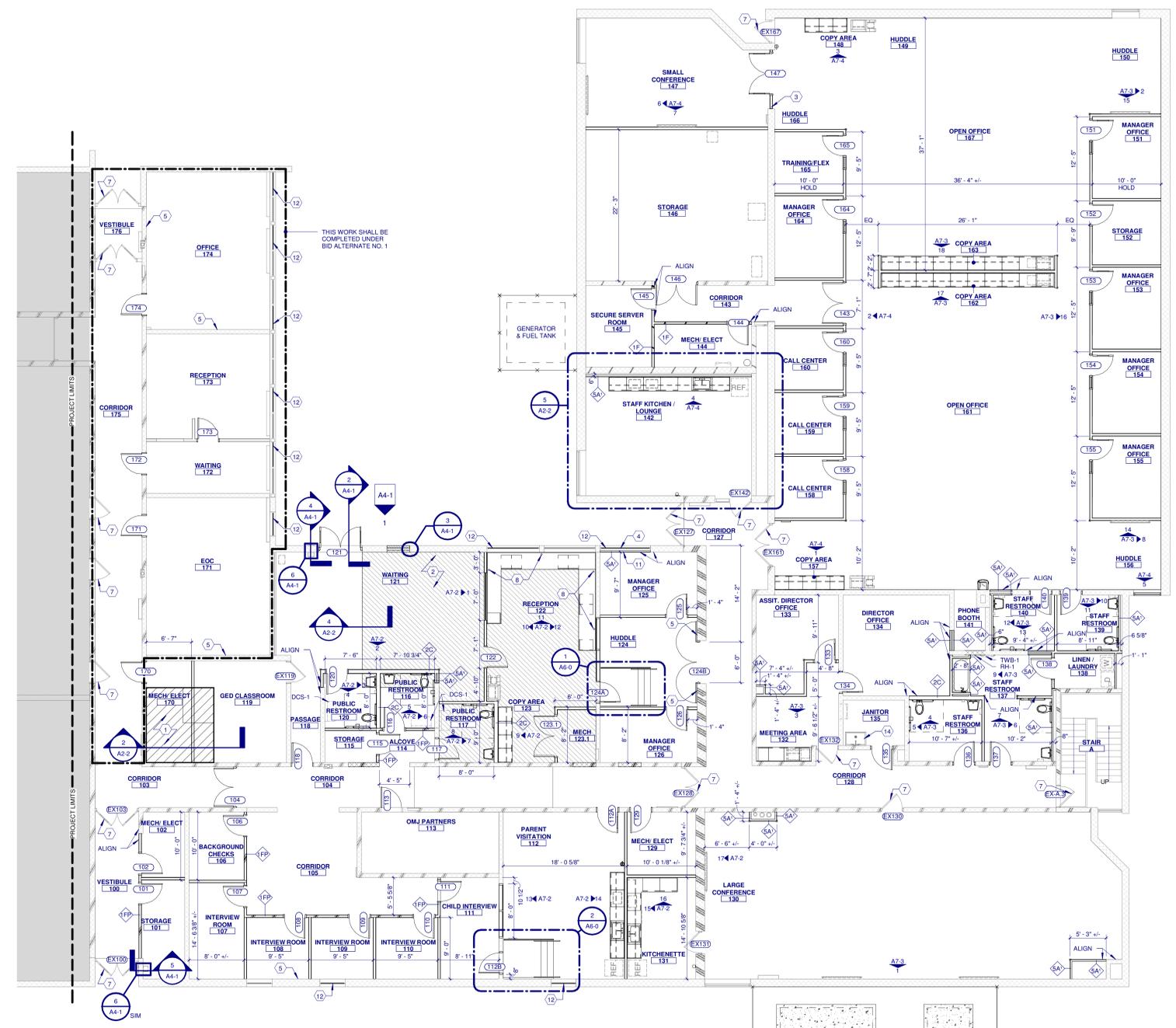


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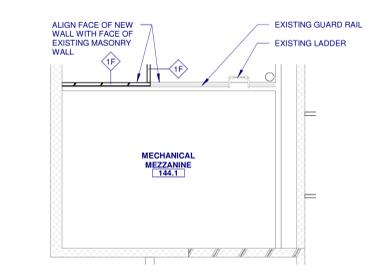
FLOOR PLAN - UPPER LEVEL

A2-2

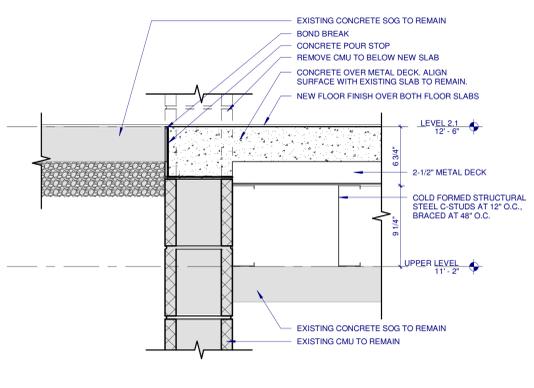


1 FLOOR PLAN - UPPER LEVEL
SCALE: 1/8" = 1'-0"

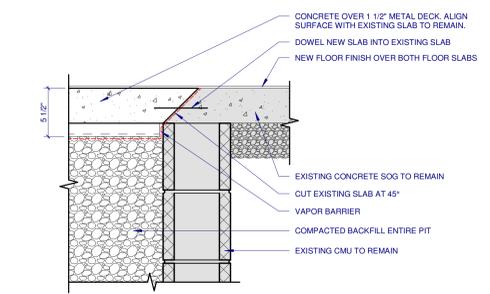
5 FLOOR PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"



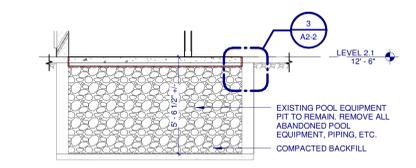
4 FLOOR INFILL DETAIL AT LOBBY
SCALE: 1 1/2" = 1'-0"



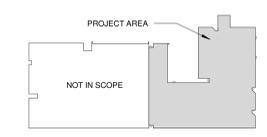
3 FLOOR INFILL DETAIL AT POOL EQUIPMENT PIT
SCALE: 1 1/2" = 1'-0"



2 POOL EQUIPMENT PIT SECTION
SCALE: 1/4" = 1'-0"



UPPER LEVEL KEY PLAN





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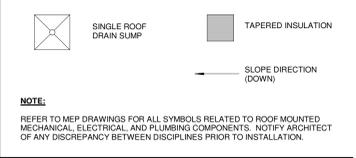
GENERAL INFO & TYPICAL ROOF DETAILS

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GENERAL NOTES

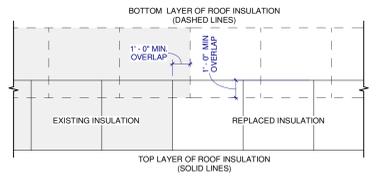
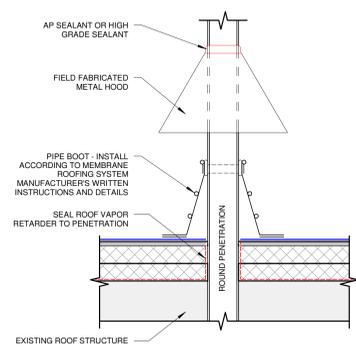
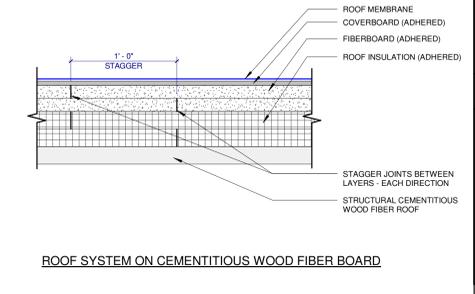
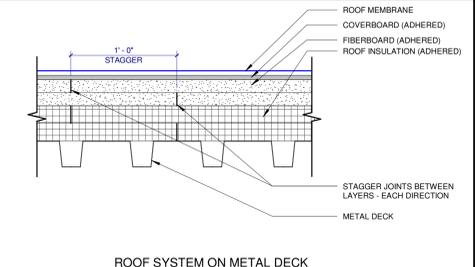
- INSTALL WALKWAY PRODUCTS IN LOCATIONS INDICATED. DO NOT CONTINUE WALKWAYS ACROSS CRICKET VALLEYS. HOLD WALKWAYS BACK FROM VALLEYS AS SHOWN IN TYPICAL DETAILS TO PERMIT WATER TO FLOW UNIMPEDED.
- ROOF PENETRATIONS INDICATED HERE HAVE BEEN COORDINATED WITH MECHANICAL, ELECTRICAL, AND PLUMBING FOR DESIGN INTENT. REFER TO MEP DRAWINGS FOR A COMPLETE INDICATION OF ALL OPENINGS AND PENETRATIONS REQUIRED. CONTRACTOR SHALL COORDINATE FINAL EXTENT, NUMBER AND LOCATION OF ALL OPENINGS AND PENETRATIONS WITH MECHANICAL, PLUMBING & ELECTRICAL CONTRACTOR(S).
- FLASH AND TERMINATE ROOFING AT PENETRATIONS, EDGES, PARAPETS, ETC. PER MFG. AND MANUFACTURERS WRITTEN RECOMMENDATIONS UNLESS NOTED OTHERWISE. FLASHING AND TERMINATIONS SHALL OCCUR EIGHT INCHES (8") ABOVE ROOF MEMBRANE, MINIMUM.
- PROVIDE ROOF INSULATION SADDLES AT ALL SUPPORTS, EQUIPMENT AND PENETRATIONS TO FACILITATE ROOF DRAINAGE.

LEGEND



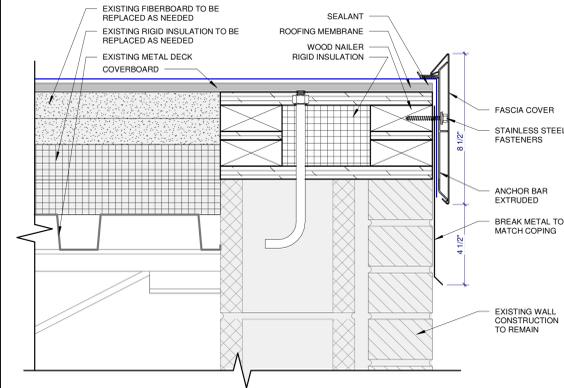
ROOF SYSTEM TYPES

NOTE: NOT ALL SYSTEMS MAY BE USED. SEE ROOF PLANS, DETAILS, & PROJECT MANUAL.

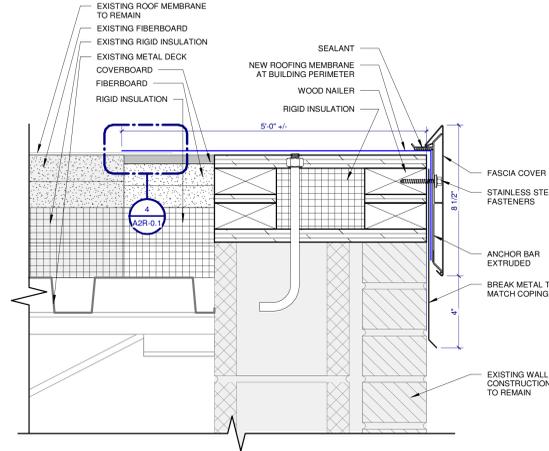


13 LAYERED INSULATION JOINT AT REPLACEMENT
SCALE: 1/4" = 1'-0"

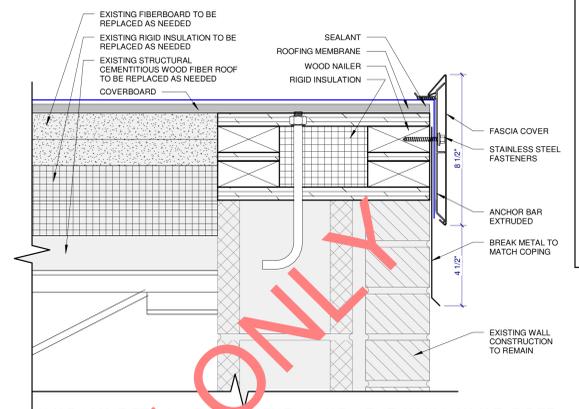
12 PIPE PENETRATION - TYPICAL
SCALE: 1 1/2" = 1'-0"



11 COPING DETAIL AT METAL DECK - BID ALTERNATE
SCALE: 3" = 1'-0"

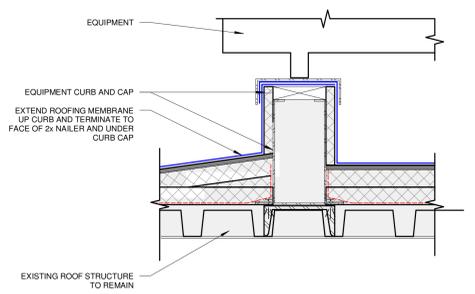


10 COPING DETAIL AT METAL DECK - BASE BID
SCALE: 3" = 1'-0"

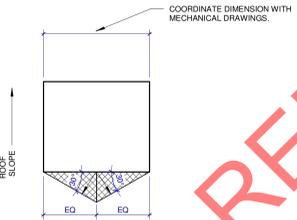


9 COPING DETAIL AT STRUCTURAL CEMENTITIOUS WOOD FIBER - BASE BID
SCALE: 3" = 1'-0"

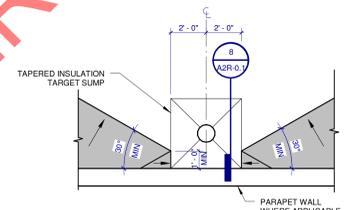
NOTE:
IF RAIL CURB IS INSTALLED PERPENDICULAR TO ROOF SLOPE, FLOW OF WATER INSTALL A CRICKET ON THE HIGH SIDE OF THE RAIL - TYPICAL.



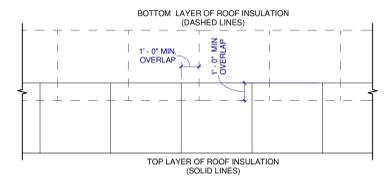
8 RAIL CURB
SCALE: 1 1/2" = 1'-0"



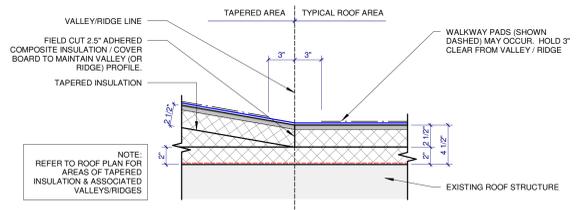
7 ROOF PENETRATION TAPERED INSULATION
SCALE: 1/2" = 1'-0"



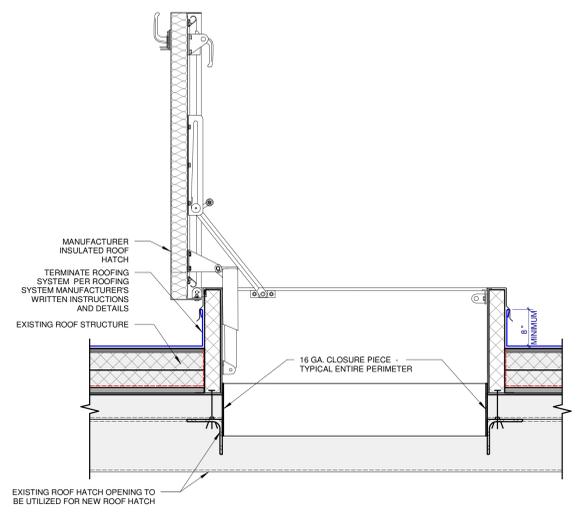
6 CRICKET ADJACENT TO PARAPET
SCALE: 1/4" = 1'-0"



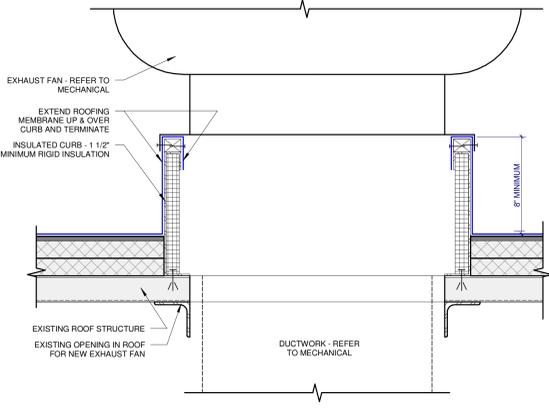
5 LAYERED INSULATION JOINT PLAN
SCALE: 1/4" = 1'-0"



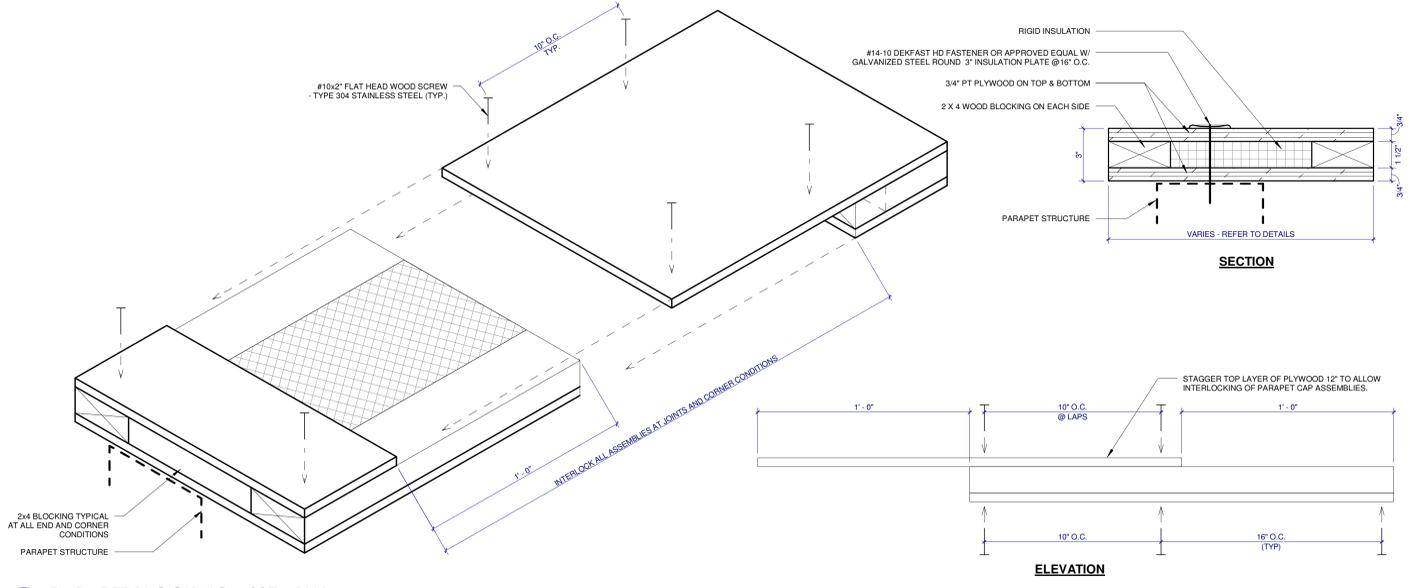
4 TAPERED INSULATION VALLEY/RIDGE
SCALE: 1 1/2" = 1'-0"



3 ROOF HATCH
SCALE: 1 1/2" = 1'-0"



2 EXHAUST FAN
SCALE: 1 1/2" = 1'-0"



1 PARAPET BLOCKING ASSEMBLY
SCALE: 3" = 1'-0"

FOR REFERENCE ONLY

CODED NOTES

NOTE: ALL CODED NOTES MAY NOT APPEAR ON EVERY SHEET

- 1A NEW MEMBRANE ROOF OVER EXISTING OR REPLACED FIBERBOARD INSULATION OVER RIGID INSULATION OVER STRUCTURAL CEMENT FIBER ROOF PANELS. ALIGN WITH INSULATION TO MATCH EXISTING MATERIALS AND THICKNESS WHERE REMOVED DURING DEMOLITION AND DETERMINED TO BE DAMAGED.
- 1B NEW MEMBRANE ROOF OVER EXISTING OR REPLACED FIBERBOARD INSULATION OVER RIGID INSULATION OVER EXISTING METAL DECK.
- 2 NEW PERIMETER BLOCKING AND ROOF MEMBRANE TO BE INSTALLED PER DETAILS.
- 3 EXISTING ROOF TO REMAIN. PROTECT EXISTING ROOF DURING ROOF REPAIR WORK.
- 4 NEW ROOFING AND STRUCTURE INCLUDED IN BASE BID.
- 5 NEW ROOF DRAIN IN EXISTING LOCATION.
- 6 EXISTING ROOF DRAIN TO REMAIN.
- 7 NEW MECHANICAL EQUIPMENT IN FUTURE PHASE. EXTEND ROOF MEMBRANE ONTO CURB PER DETAILS AND PROVIDE TEMPORARY WATERPROOFING CAP. VERIFY CURB LOCATION WITH EXISTING STRUCTURE.
- 8 EXISTING MECHANICAL EQUIPMENT TO REMAIN. EXTEND NEW ROOFING UP TO CURB. SEE DETAILS.
- 9 PATCH DECK (METAL DECK OR STRUCTURAL CEMENT FIBER ROOF PANEL) AND INSTALL INSULATION TO MATCH EXISTING WHERE MECHANICAL EQUIPMENT HAS BEEN REMOVED.
- 10 INSTALL TAPERED INSULATION TO PROVIDE POSITIVE DRAINAGE TO EXISTING ROOF DRAIN.
- 11 MECHANICAL EQUIPMENT REPLACED IN BASE BID.
- 12 NEW ROOF HATCH IN EXISTING LOCATION.
- 13 EXISTING ROOF HATCH TO REMAIN.
- 14 EXISTING SANITARY STACK VENT TO BE TIED IN TO NEW ROOF PER DETAIL.
- 15 EXISTING SANITARY STACK VENT TO REMAIN.
- 16 NEW SPLIT SYSTEM RAILS. COORDINATE OPENINGS WITH MECHANICAL DRAWINGS.
- 17 NEW FANGRAVITY VENTILATOR ON NEW CURB. COORDINATE WITH MECHANICAL DRAWINGS. VERIFY CURB LOCATION WITH EXISTING STRUCTURE.
- 18 ROOF DRAIN REPLACED IN BASE BID.



CARROLL COUNTY BOARD OF COMMISSIONERS
CARROLL COUNTY OFFICE RENOVATION

211 MOODY AVE SW
 CARROLLTON OHIO 44615



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BIDDING AND PLAN REVIEW	10/15/2024

PROJECT NO. 24013.000

ROOF PLAN - BASE BID

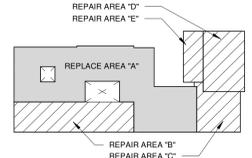
A2R-1

NO. © 2024



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

ROOF KEY PLAN



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CODED NOTES

- NOTE: ALL CODED NOTES MAY NOT APPEAR ON EVERY SHEET
1. INSTALL BREAK METAL COLLAR AT TOP OF EXISTING COLUMNS. REPAIR AND PAINT COLUMNS P-1.
 2. CEMENTITIOUS BOARD AT UNDERSIDE OF SOFFIT PAINTED P-1.
 3. ACOUSTICAL SEALANT THIS ROOM.
 4. POLYMER SHADES AT INTERIOR FACE OF WINDOWS.
 5. OPEN TO DECK CEILING TO BE PAINTED P-1.



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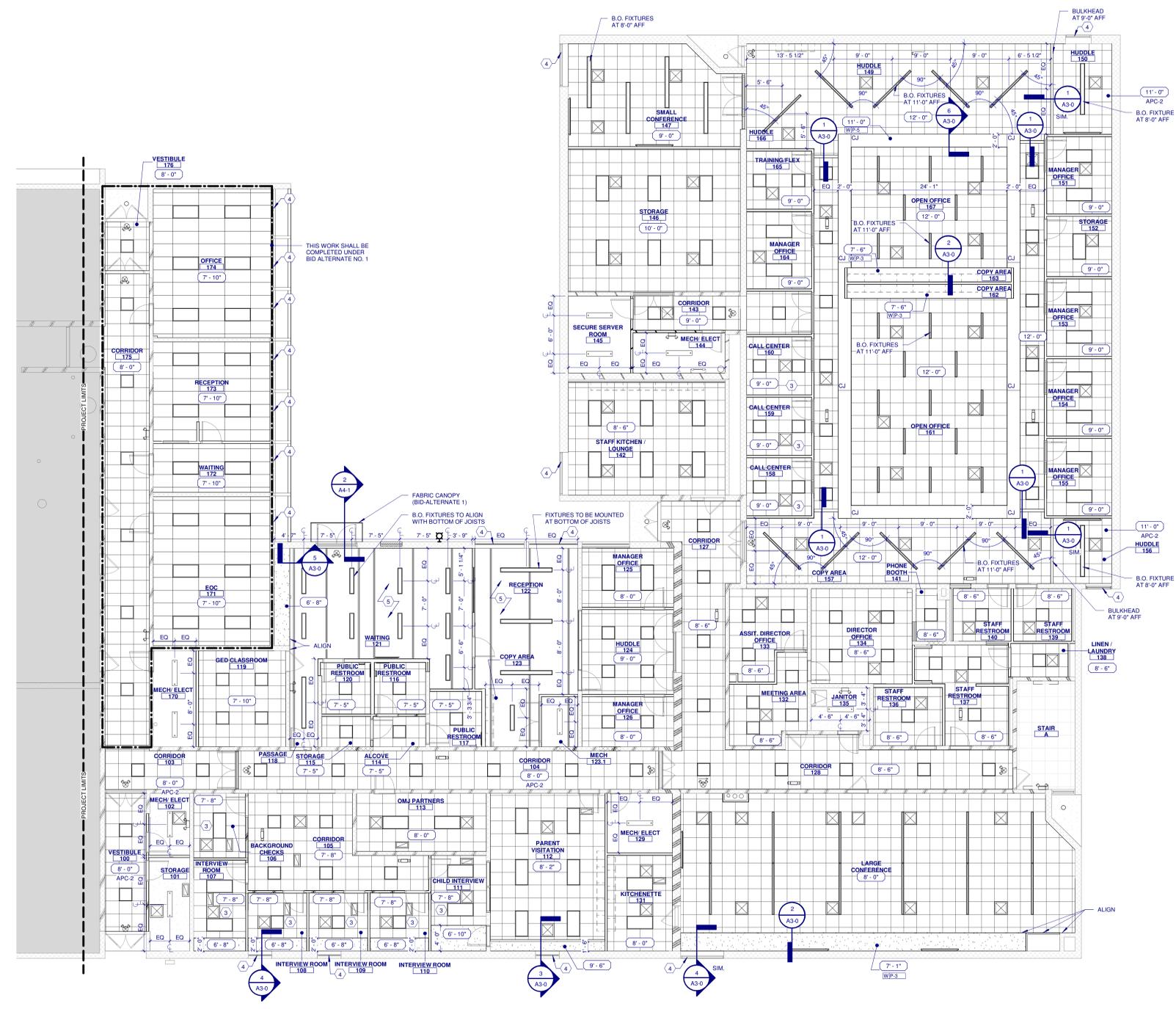


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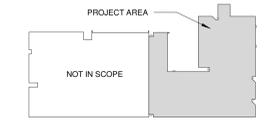
REFLECTED CEILING PLAN - UPPER LEVEL

A3-2



1 REFLECTED CEILING PLAN - UPPER LEVEL
 SCALE: 1/8" = 1'-0"

UPPER LEVEL KEY PLAN



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GENERAL NOTES

- REFER TO PROJECT MANUAL FOR SPECIFIC INFORMATION RELATED TO EXTERIOR VISION GLAZING AND TEMPERED GLAZING.
- REFER TO FLOOR PLANS AND WALL SECTIONS FOR ADDITIONAL INFORMATION RELATED TO EXTERIOR FRAME TYPES SHOWN HERE. INTERIOR FRAME TYPES ARE IDENTIFIED IN THE A/C SERIES.
- REFER TO DOOR SCHEDULE (A8 SERIES) FOR ADDITIONAL INFORMATION RELATED EXTERIOR DOORS SHOWN HERE.
- COORDINATE ALL THROUGH-WALL PENETRATIONS WITH MEP DRAWINGS.
- REFER TO PLAN FOR LOCATIONS OF REPLACEMENT OF SINGLE WINDOW LITES WHERE A/C UNITS HAVE BEEN REMOVED.

LEGEND

- EXTERIOR VISION GLAZING (IG-1 UNO)
- FACE BRICK - NORMAN

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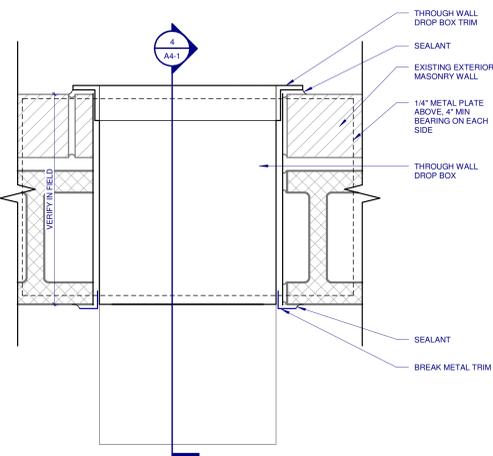
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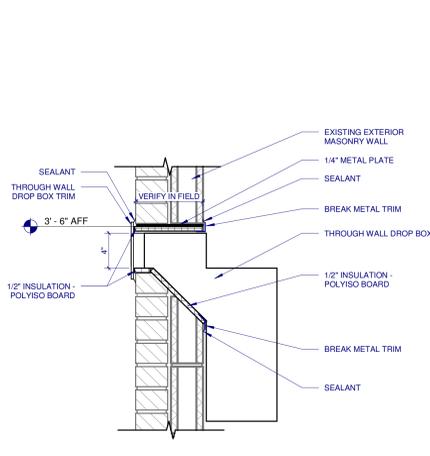
EXTERIOR ELEVATIONS & DETAILS

A4-1

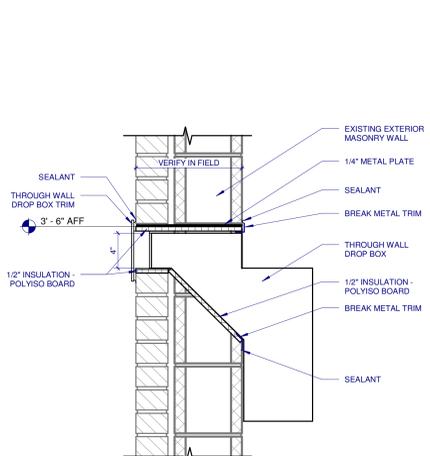
NO. © 2024



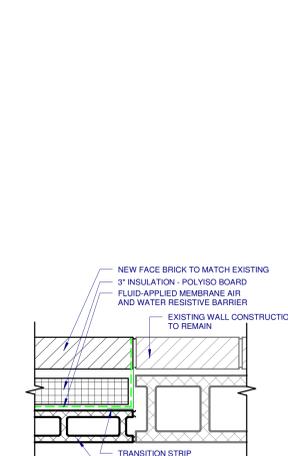
6 THROUGH WALL DROP BOX DETAIL
SCALE: 3" = 1'-0"



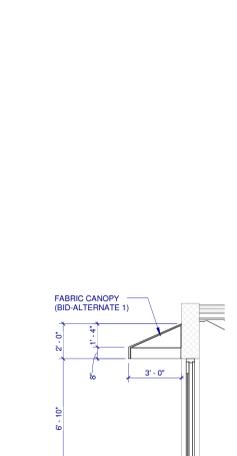
5 DROP BOX DETAIL AT VESTIBULE
SCALE: 1 1/2" = 1'-0"



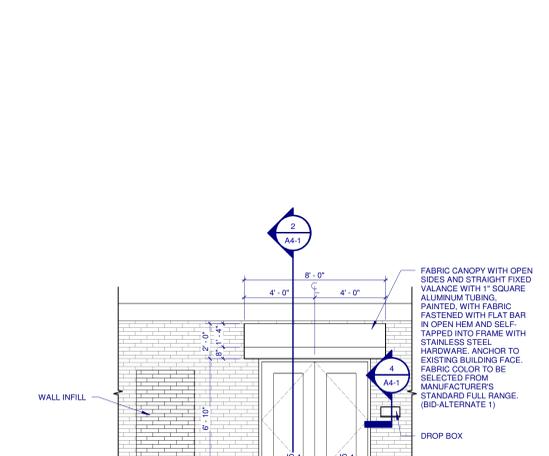
4 DROP BOX DETAIL AT LOBBY
SCALE: 1 1/2" = 1'-0"



3 DOOR INFILL DETAIL
SCALE: 1 1/2" = 1'-0"



2 ENTRANCE CANOPY
SCALE: 1/4" = 1'-0"



1 EXTERIOR ENTRY ELEVATION
SCALE: 1/4" = 1'-0"



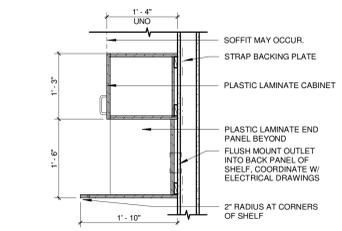
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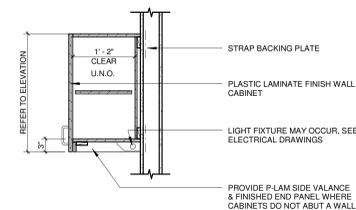
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GENERAL INFO & TYPICAL MILLWORK DETAILS

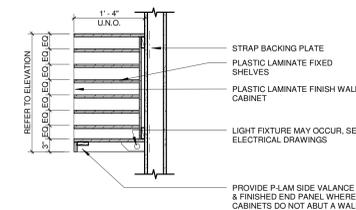
A7-1



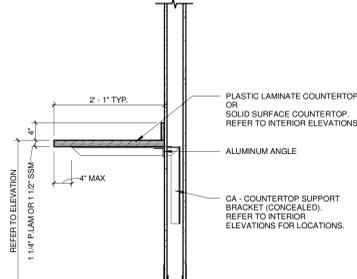
9 MICROWAVE WALL CABINET
SCALE: 3/4" = 1'-0"



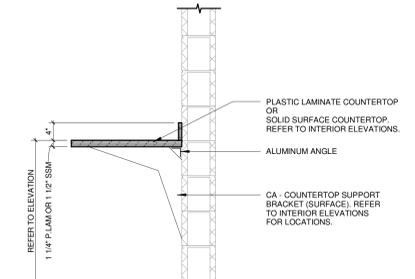
10 WALL CABINET
SCALE: 3/4" = 1'-0"



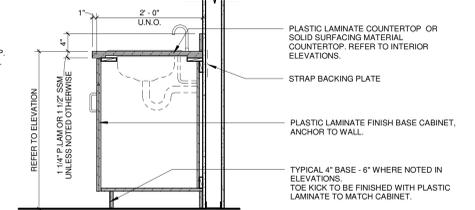
11 WALL CABINET - MAILBOX
SCALE: 3/4" = 1'-0"



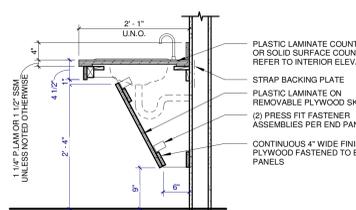
12 KNEE SPACE - CONCEALED BRACKET
SCALE: 3/4" = 1'-0"



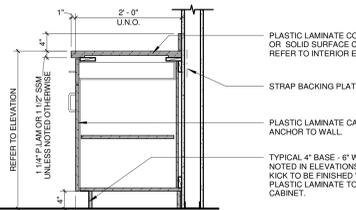
13 KNEE SPACE - SURFACE BRACKET AT CMU WALLS
SCALE: 3/4" = 1'-0"



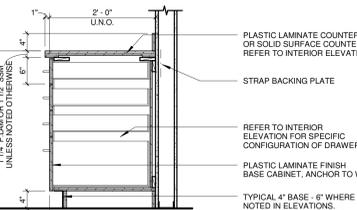
3 SINK BASE
SCALE: 3/4" = 1'-0"



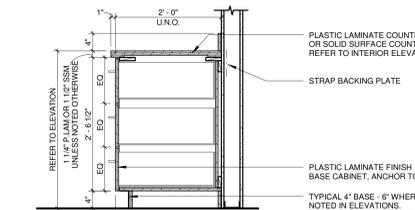
4 SINK W/ APRON
SCALE: 3/4" = 1'-0"



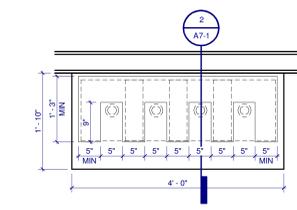
5 DOOR BASE
SCALE: 3/4" = 1'-0"



6 DRAWER BASE
SCALE: 3/4" = 1'-0"

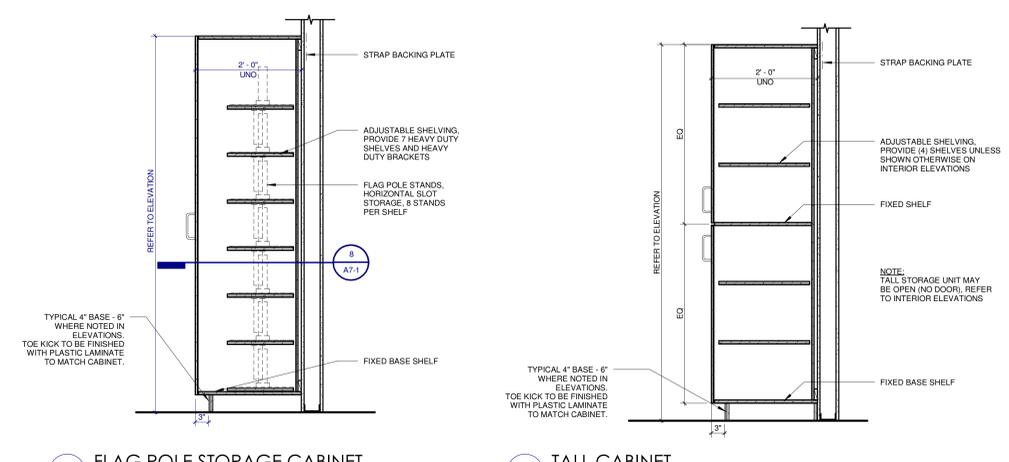
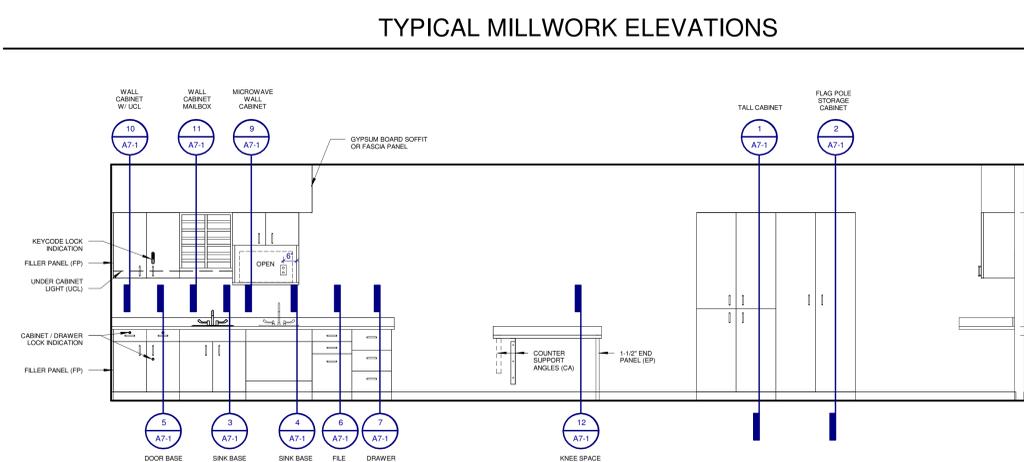


7 DRAWER BASE - EQUAL DRAWERS
SCALE: 3/4" = 1'-0"



8 FLAG POLE STORAGE CABINET PLAN
SCALE: 3/4" = 1'-0"

- ### GENERAL NOTES
- WALL MOUNTED ACCESSORIES & EQUIPMENT:**
- REFER TO A7-0 AND PROJECT MANUAL FOR TYPICAL WALL MOUNTED ITEMS AND HEIGHTS. REFER TO REMAINING A7 SERIES DRAWINGS FOR LOCATION, SPECIFIC MOUNTING HEIGHTS AND LOCATIONS OF ACCESSORIES, FIXTURES AND SELECT EQUIPMENT NOT INCLUDED IN THE PROJECT MANUAL.
 - PROVIDE BLOCKING WITHIN GYPSUM BOARD PARTITIONS FOR WALL MOUNTED AND RECESSED ACCESSORIES, FIXTURES AND EQUIPMENT.
 - COORDINATE ROUGH OPENING DIMENSIONS FOR RECESSED EQUIPMENT AND ACCESSORIES WITH MANUFACTURERS REQUIREMENTS.
- MILLWORK:**
- REFER TO TYPICAL MILLWORK DETAILS FOR TYPICAL FASCIA/SOFFIT ABOVE CABINET DETAIL CONDITION.
 - PROVIDE 4\"/>





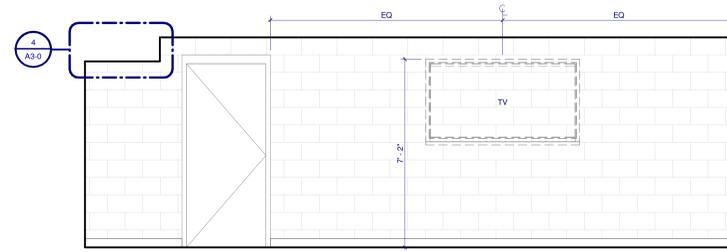
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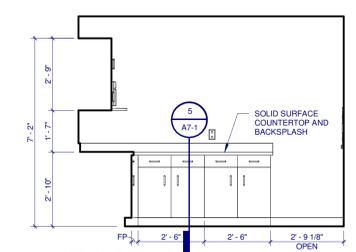
INTERIOR ELEVATIONS

A7-2

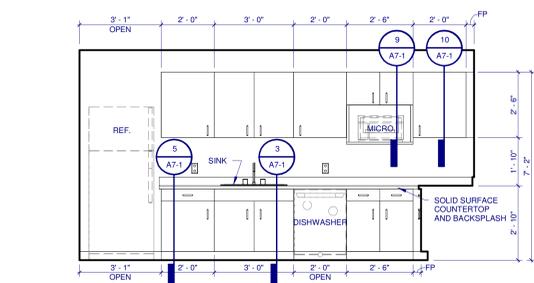
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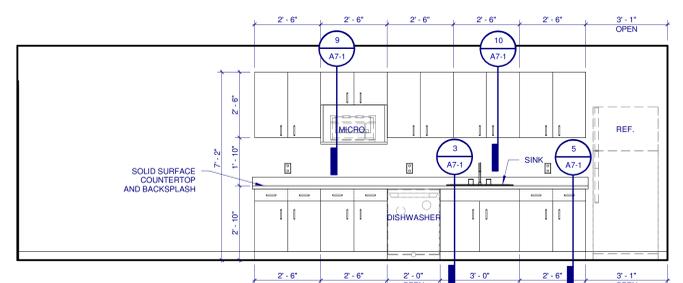
17 LARGE CONFERENCE ROOM
SCALE: 3/8" = 1'-0"



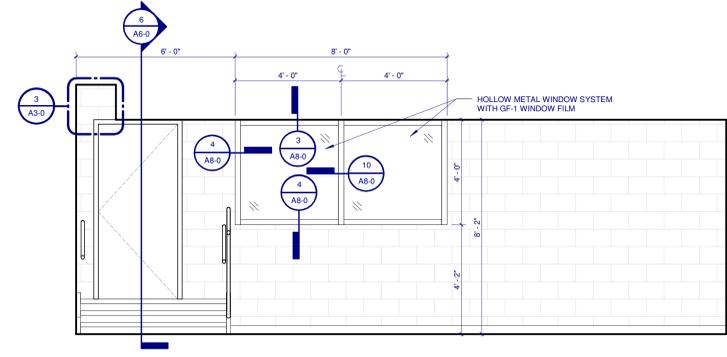
16 KITCHENETTE
SCALE: 3/8" = 1'-0"



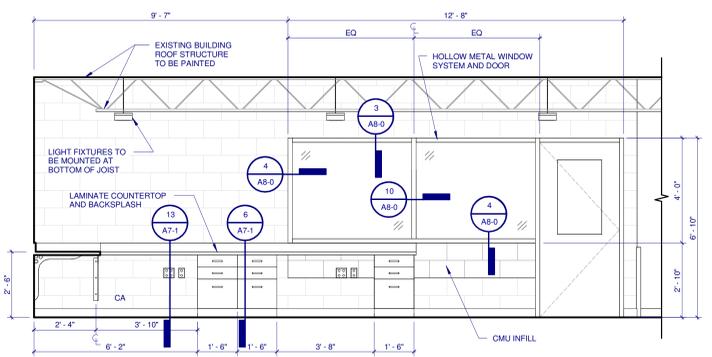
15 KITCHENETTE
SCALE: 3/8" = 1'-0"



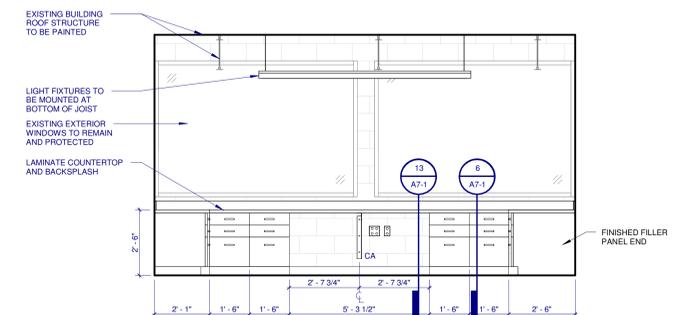
14 PARENT VISITATION
SCALE: 3/8" = 1'-0"



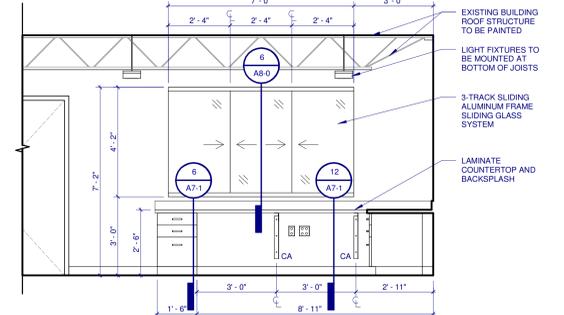
13 PARENT VISITATION
SCALE: 3/8" = 1'-0"



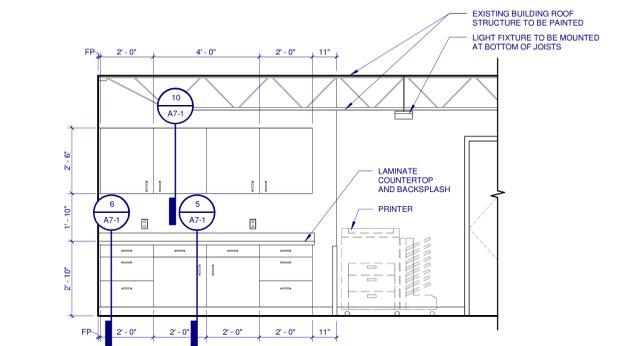
12 RECEPTION
SCALE: 3/8" = 1'-0"



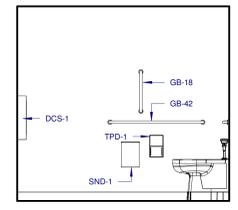
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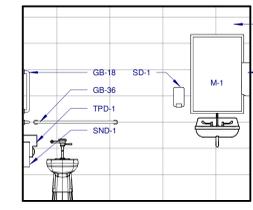
10 RECEPTION
SCALE: 3/8" = 1'-0"



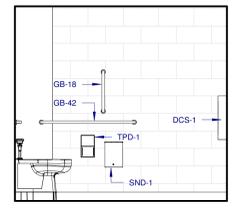
9 COPY AREA
SCALE: 3/8" = 1'-0"



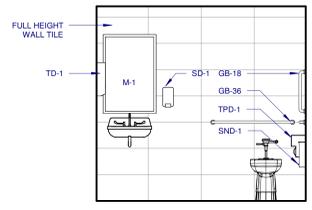
8 PUBLIC RESTROOM
SCALE: 3/8" = 1'-0"



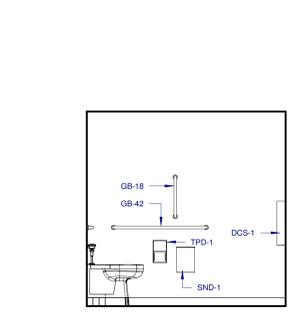
7 PUBLIC RESTROOM
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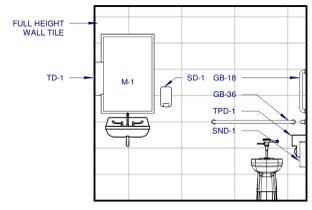
6 PUBLIC RESTROOM
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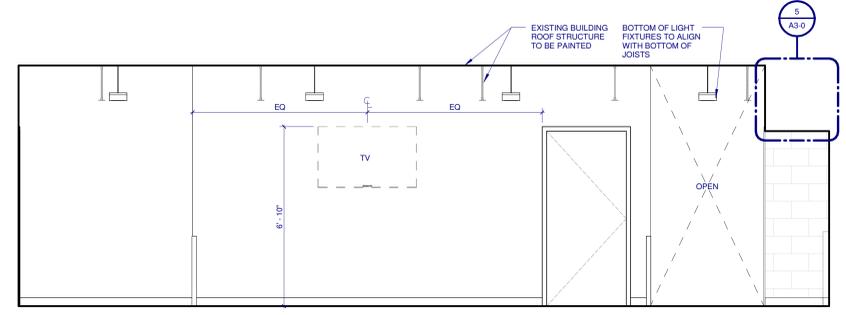
5 PUBLIC RESTROOM
SCALE: 3/8" = 1'-0"



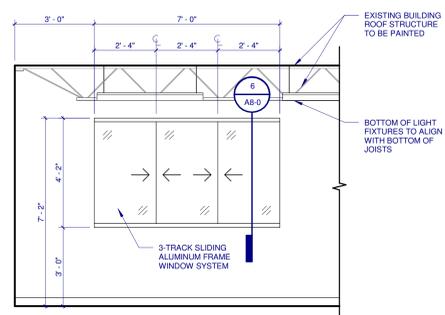
4 PUBLIC RESTROOM
SCALE: 3/8" = 1'-0"



3 PUBLIC RESTROOM
SCALE: 3/8" = 1'-0"



2 WAITING
SCALE: 3/8" = 1'-0"



1 WAITING
SCALE: 3/8" = 1'-0"

GENERAL NOTES

- WALL MOUNTED ACCESSORIES & EQUIPMENT:**
- REFER TO A7.0 AND PROJECT MANUAL FOR TYPICAL WALL MOUNTED ITEMS AND HEIGHTS. REFER TO REMAINING A7 SERIES DRAWINGS FOR LOCATION-SPECIFIC MOUNTING HEIGHTS AND LOCATIONS OF ACCESSORIES, FIXTURES AND SELECT EQUIPMENT NOT INCLUDED IN THE PROJECT MANUAL.
 - PROVIDE BLOCKING WITHIN GYPSUM BOARD PARTITIONS FOR WALL MOUNTED AND RECESSED ACCESSORIES, FIXTURES AND EQUIPMENT.
 - COORDINATE ROUGH OPENING DIMENSIONS FOR RECESSED EQUIPMENT AND ACCESSORIES WITH MANUFACTURER'S REQUIREMENTS.
- MILLWORK:**
- REFER TO TYPICAL MILLWORK DETAILS FOR TYPICAL FASCIA/SOFFIT ABOVE CABINET DETAIL CONDITION.
 - PROVIDE 4" BACKSPLASH AND SIDESPLASHES TO MATCH COUNTERTOP MATERIAL U.N.O.
 - PROVIDE PLASTIC LAMINATE FACING ON ALL EXPOSED SURFACES OF MILLWORK UNLESS NOTED OTHERWISE.
 - PROVIDE PVC EDGE BANDING FOR PLASTIC LAMINATE COUNTERTOPS AND CABINETS UNLESS NOTED OTHERWISE.
 - PROVIDE FILLERS FOR CABINETS AS REQUIRED.
 - BASE CABINETS AT COUNTERTOPS DEEPER THAN THE STANDARD 25" SHALL HAVE EXTENDED FINISHED ENDS FROM BACK OF BASE CABINET TO WALL BEYOND. FOR DRAWER UNITS, CABINET BODIES CAN REMAIN STANDARD DEPTH. FOR DOOR AND CABINET UNITS, CABINET BODY SHALL BE FULL DEPTH.
 - PROVIDE ONE ADJUSTABLE SHELF AT ALL WALL CABINETS 24" HIGH AND SHORTER. PROVIDE TWO ADJUSTABLE SHELVES AT ALL WALL CABINETS 25" TO 36" HIGH. PROVIDE ADJUSTABLE SHELVES AS NOTED ON ELEVATIONS AT CABINETS TALLER THAN 36" HIGH. PROVIDE ONE ADJUSTABLE SHELF AT ALL BASE CABINETS U.N.O.
 - ALL CABINETRY, DOORS AND DRAWERS, WHETHER THEY ARE SCHEDULED TO RECEIVE LOCKS OR NOT ARE TO RECEIVE GROOVE FOR FUTURE LOCK TAIL PIECE UNLESS NOTED OTHERWISE.

TYPICAL MATERIALS (UNO)

ITEM	CODE
COUNTERTOPS, BACKSPLASHES & SIDESPLASHES	PL-2
BASE & WALL CABINETS	PL-1
WINDOW STOOLS	SS-1

MATERIAL DESIGNATIONS

PL	PLASTIC LAMINATE
SS	SOLID SURFACE

SERVICE OUTLETS LEGEND

E	ELECTRICAL OUTLET - NORMAL POWER
EM	ELECTRICAL OUTLET - EMERGENCY POWER
T	TELEPHONE
D	DATA
TV	TELEVISION
INT	INTERCOM
L	LIGHT SWITCH
FP	PUSH PLATE
TH	THERMOSTAT
W	WATERLINE CONNECTION

LEGEND

- SPECIALTY ITEM, EQUIPMENT OR FURNISHING TAG REFER TO A7.1 SERIES OF PROJECT MANUAL FOR TAG SCHEDULE AND INFORMATION
- EQUIPMENT ITEM OWNER FURNISHED, CONTRACTOR INSTALLED
- EQUIPMENT ITEM OWNER FURNISHED, OWNER INSTALLED
- UNDER CABINET LIGHT - SEE ELECTRICAL DRAWINGS
- XXX-2 DENOTES NON-TYPICAL FINISH REFER TO A7 SERIES MILLWORK MATERIAL KEY & A9 SERIES FINISH MATERIAL KEY
- MATERIAL FINISH SURFACE



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INTERIOR ELEVATIONS

A7-4

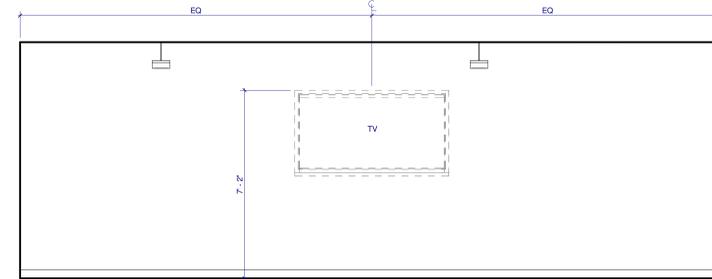
GENERAL NOTES

WALL MOUNTED ACCESSORIES & EQUIPMENT:

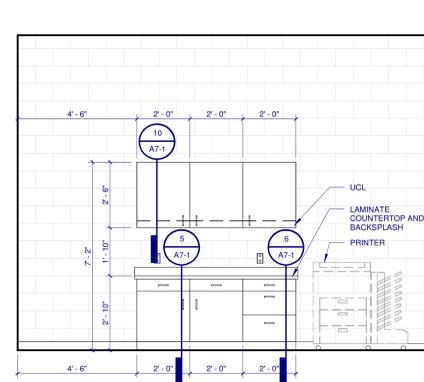
- REFER TO A7-0 AND PROJECT MANUAL FOR TYPICAL WALL MOUNTED ITEMS AND HEIGHTS. REFER TO REMAINING A7 SERIES DRAWINGS FOR LOCATION-SPECIFIC MOUNTING HEIGHTS AND LOCATIONS OF ACCESSORIES, FIXTURES AND SELECT EQUIPMENT NOT INCLUDED IN THE PROJECT MANUAL.
- PROVIDE BLOCKING WITHIN GYPSUM BOARD PARTITIONS FOR WALL MOUNTED AND RECESSED ACCESSORIES, FIXTURES AND EQUIPMENT.
- COORDINATE ROUGH OPENING DIMENSIONS FOR RECESSED EQUIPMENT AND ACCESSORIES WITH MANUFACTURER'S REQUIREMENTS.

MILLWORK:

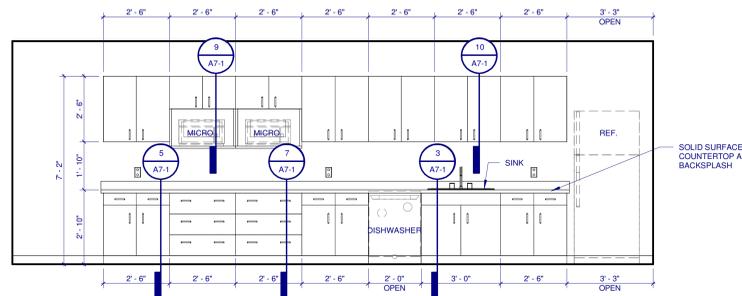
- REFER TO TYPICAL MILLWORK DETAILS FOR TYPICAL FASCIA/SOFFIT ABOVE CABINET DETAIL CONDITION.
- PROVIDE 4" BACKSPLASH AND SIDESPLASHES TO MATCH COUNTERTOP MATERIAL U.N.O.
- PROVIDE PLASTIC LAMINATE FACING ON ALL EXPOSED SURFACES OF MILLWORK UNLESS NOTED OTHERWISE.
- PROVIDE PVC EDGE BANDING FOR PLASTIC LAMINATE COUNTERTOPS AND CABINETS UNLESS NOTED OTHERWISE.
- PROVIDE FILLERS FOR CABINETS AS REQUIRED.
- BASE CABINETS AT COUNTERTOPS DEEPER THAN THE STANDARD 25" SHALL HAVE EXTENDED FINISHED ENDS FROM BACK OF BASE CABINET TO WALL BEYOND. FOR DRAWER UNITS, CABINET BODIES CAN REMAIN STANDARD DEPTH. FOR DOOR AND CABINET UNITS, CABINET BODY SHALL BE FULL DEPTH.
- PROVIDE ONE ADJUSTABLE SHELF AT ALL WALL CABINETS 24" HIGH AND SHORTER. PROVIDE TWO ADJUSTABLE SHELVES AT ALL WALL CABINETS 25" TO 36" HIGH. PROVIDE ADJUSTABLE SHELVES AS NOTED ON ELEVATIONS AT CABINETS TALLER THAN 36" HIGH. PROVIDE ONE ADJUSTABLE SHELF AT ALL BASE CABINETS U.N.O.
- ALL CABINETS, DOORS AND DRAWERS, WHETHER THEY ARE SCHEDULED TO RECEIVE LOCKS OR NOT ARE TO RECEIVE GROOVE FOR FUTURE LOCK TAIL PIECE UNLESS NOTED OTHERWISE.



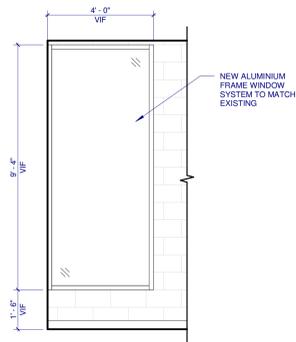
7 SMALL CONFERENCE
SCALE: 3/8" = 1'-0"



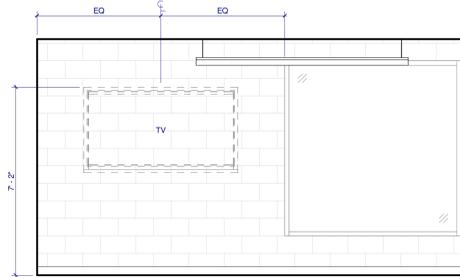
3 COPY AREA
SCALE: 3/8" = 1'-0"



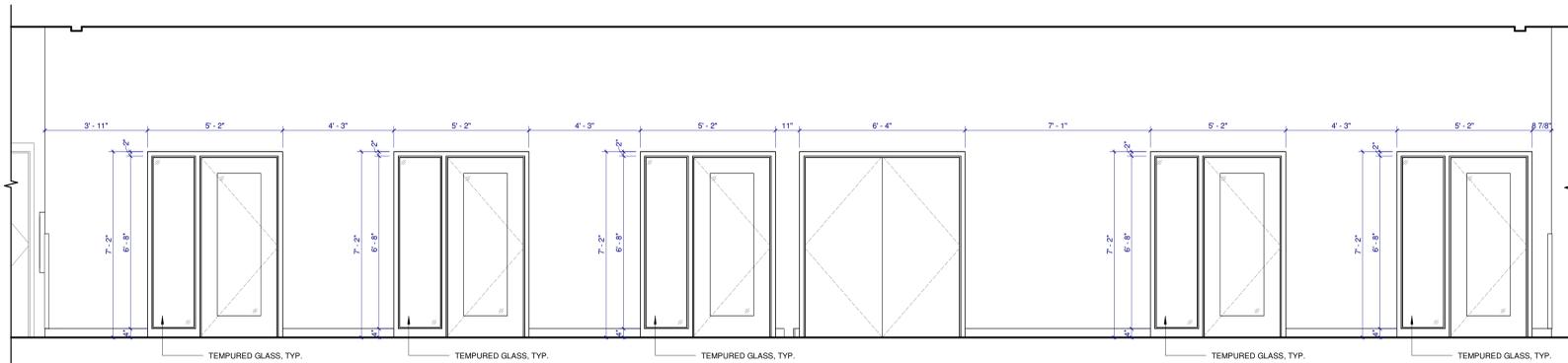
4 STAFF KITCHEN/LOUNGE
SCALE: 3/8" = 1'-0"



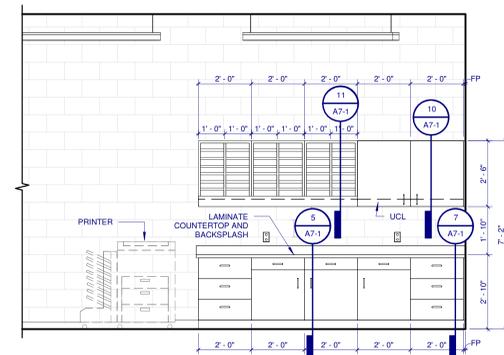
5 HUDDLE WINDOW
SCALE: 3/8" = 1'-0"



6 SMALL CONFERENCE
SCALE: 3/8" = 1'-0"



2 OFFICES
SCALE: 3/8" = 1'-0"



1 COPY AREA
SCALE: 3/8" = 1'-0"

TYPICAL MATERIALS (UNO)

ITEM	CODE
COUNTERTOPS, BACKSPLASHES & SIDESPLASHES	PL-2
BASE & WALL CABINETS	PL-1
WINDOW STOOLS	SS-1

MATERIAL DESIGNATIONS

PL	PLASTIC LAMINATE
SS	SOLID SURFACE

SERVICE OUTLETS LEGEND

E	ELECTRICAL OUTLET - NORMAL POWER
EM	ELECTRICAL OUTLET - EMERGENCY POWER
T	TELEPHONE
D	DATA
TV	TELEVISION
INT	INTERCOM
L	LIGHT SWITCH
PP	PUSH PLATE
TH	THERMOSTAT
W	WATERLINE CONNECTION

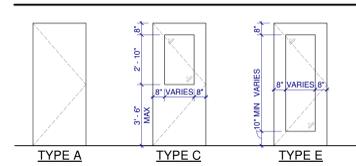
LEGEND

[Symbol]	SPECIALTY ITEM, EQUIPMENT OR FURNISHING TAG REFER TO A11 SERIES OR PROJECT MANUAL FOR TAG SCHEDULE AND INFORMATION
[Symbol]	EQUIPMENT ITEM OWNER FURNISHED, CONTRACTOR INSTALLED
[Symbol]	EQUIPMENT ITEM OWNER FURNISHED, OWNER INSTALLED
[Symbol]	UNDER CABINET LIGHT - SEE ELECTRICAL DRAWINGS
[Symbol]	UCL
[Symbol]	DENOTES NON-TYPICAL FINISH REFER TO A7 SERIES MILLWORK MATERIAL KEY & A9 SERIES FINISH MATERIAL KEY
[Symbol]	MATERIAL FINISH SURFACE

DOOR & FRAME SCHEDULE

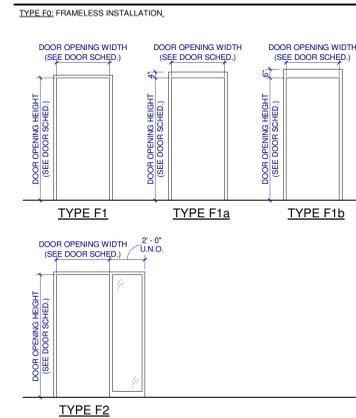
NO.	DOOR OPENING	DOOR PANEL INFORMATION			FRAME	FIRE LABEL	HARDWARE SET #	DETAILS	REMARKS
		MAJOR LEAF	MINOR LEAF	MATERIAL					
002A	6'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	002	
002B	6'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	21A	
002C	6'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	0	004	
003	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	005	
005	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	006	
008	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	008	
009	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	009	
010	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	007	
011A	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	011	
012	6'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	013	
015	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	014	
018	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	015	NEW DOOR IN EXISTING FRAME
019	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	015	NEW DOOR IN EXISTING FRAME
020	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	007	
EX001	6'-0" x 7'-0"	E	3'-0"	GLASS	F1	HM	0	001	
EX002	6'-0" x 7'-0"	E	3'-0"	GLASS	F1	HM	0	001	
EX007A	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	007	
EX007B	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	008	
EX008A	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	010	
EX008B	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	048	
EX011B	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	012	
EX013	2'-4" x 7'-0"	A	2'-4"	WOOD	F1a	HM	0	042	
EX014	2'-4" x 7'-0"	A	2'-4"	WOOD	F1a	HM	0	042	
EX016A	3'-0" x 7'-0"	E	3'-0"	GLASS	F1	HM	0	017	
EX016B	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	043	
EX017	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	016	
101	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	019	
102	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	019	
104	3'-0" x 6'-8"	A	2'-10"	WOOD	F1	HM	0	021	
106	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
107	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
108	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
109	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
110	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
111	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
112A	3'-0" x 6'-8"	C	3'-0"	WOOD	F1	HM	20	020	
112B	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	0	022	
113	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	020	
115	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	0	023	
116	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	015	NEW DOOR IN EXISTING FRAME TO MEET FIRE RATING
117	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	015	
118	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	024	NEW DOOR IN EXISTING FRAME TO MEET FIRE RATING
120	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	0	015	
121	6'-0" x 6'-8"	E	3'-0"	WOOD	F1	HM	0	025	
122	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	0	028	
123.1	6'-0" x 6'-8"	A	3'-0"	WOOD	F1a	HM	0	027	
124A	3'-0" x 6'-8"	C	3'-0"	WOOD	F1	HM	0	028	
124B	6'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	180	029	
125	3'-0" x 7'-0"	E	3'-0"	WOOD	F1	HM	0	028	
134	3'-0" x 7'-0"	E	3'-0"	WOOD	F1	HM	0	006	
135	3'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	20	023	
136	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	20	015	
137	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	20	015	
138	3'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	0	030	
139	3'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	0	015	
140	3'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	0	015	
143	6'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	032	
144	3'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	45	019	
145	3'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	45	034	
146	6'-0" x 7'-0"	A	3'-0"	WOOD	F1b	HM	20	035	
147	6'-0" x 7'-0"	E	3'-0"	WOOD	F1	HM	0	053	
151	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
152	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	031	
153	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
154	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
155	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
158	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
159	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
160	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
164	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	006	
165	3'-0" x 7'-0"	E	3'-0"	WOOD	F2	HM	0	009	
170	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	036	NEW DOOR IN EXISTING FRAME TO MEET FIRE RATING
171	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	037	NEW DOOR IN EXISTING FRAME TO MEET FIRE RATING
172	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	0	038	NEW DOOR IN EXISTING FRAME TO MEET FIRE RATING
173	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	006	
174	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	20	038	NEW DOOR IN EXISTING FRAME TO MEET FIRE RATING
EX100	6'-0" x 6'-8"	E	3'-0"	GLASS	F1	HM	0	044	
EX103	6'-0" x 6'-8"	E	3'-0"	GLASS	F1	HM	0	001	
EX119	3'-0" x 6'-8"	A	3'-0"	WOOD	F1	HM	0	003	
EX127	6'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	001	
EX128	5'-8" x 7'-0"	A	2'-10"	WOOD	F1a	HM	180	001	
EX130	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	45	040	
EX131	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	180	041	
EX132	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	45	045	
EX142	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	45	017	
EX161	6'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	45	001	
EX167	3'-0" x 7'-0"	A	3'-0"	WOOD	F1	HM	0	017	
EXA.1	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	0	018	
EXA.2	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	90	039	
EXA.3	3'-0" x 7'-0"	A	3'-0"	WOOD	F1a	HM	90	039	

DOOR TYPES



DOOR GLAZING SCHEDULE	
DOOR APPLICATION:	GLAZING TYPE:
NO FIRE LABEL	1/4" CLEAR FULLY TEMPERED, U.N.O.
20 MIN. FIRE LABEL	FIRE-PROTECTION RATED (TEMPERED SAFETY), 20 MIN. U.N.O.
45, 60 OR 90 MIN. FIRE LABEL	FIRE-PROTECTION RATED (LAMINATED CERAMIC), MATCH DOOR RATING, U.N.O.
GREATER THAN 90 MIN. FIRE LABEL	FIRE-PROTECTION RATED, NOT PERMITTED
1. REFER TO EXTERIOR FRAME TYPES SHEET FOR GLAZING TYPES IN EXTERIOR WALLS.	

DOOR FRAME TYPES



DOOR SIDELITE/TRANSOM GLAZING SCHEDULE	
DOOR APPLICATION:	GLAZING TYPE:
NO FIRE LABEL	1/4" CLEAR FULLY TEMPERED, U.N.O.
20 MIN. FIRE LABEL	FIRE-PROTECTION RATED (TEMPERED SAFETY), 20 MIN. U.N.O.
45. FIRE LABEL	FIRE-PROTECTION RATED (LAMINATED CERAMIC), 45 MIN. U.N.O.
GREATER THAN 45 MIN. FIRE LABEL	FIRE-PROTECTION RATED, NOT PERMITTED

DOOR & FRAME GENERAL NOTES

- REFER TO TYPICAL INTERIOR DOOR DETAILS FOR ALL INTERIOR DOOR FRAMES. UNO IN DOOR SCHEDULE. TYPICAL INTERIOR DOOR FRAMES ARE REFERENCED BY FRAME MATERIAL.
- FOR ALL OTHER EXTERIOR DOOR FRAME DETAILS, REFER TO EXTERIOR FRAME TYPES SHEET (A4 SERIES).
- REFER TO PROJECT MANUAL FOR DOOR HARDWARE SET INFORMATION.
- REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON ACCESS CONTROL SYSTEM AND POWER REQUIREMENTS OF ELECTRIFIED HARDWARE.
- OPENING WIDTH INDICATED IN DOOR SCHEDULE REFERS TO NOMINAL INSIDE WIDTH OF DOOR FRAME.
- REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE.
- INSTALL CONTINUOUS IN-WALL CONCEALED BLOCKING AT HEAD FOR DOORS WITH AUTO OPERATORS.
- DOOR AUTO OPERATORS TO BE INSTALLED ON SIDE OF DOOR LEAST VISIBLE TO THE PUBLIC.
- ALL EXISTING DOORS AND FRAMES IN PROJECT AREA TO BE PAINTED P-5.

INTERIOR FRAME TYPE GENERAL NOTES

- REFER TO FLOOR PLANS FOR LOCATIONS OF INTERIOR FRAME TYPES
- FOR DETAIL INFORMATION ON EXTERIOR FRAME TYPES, REFER TO A4 SERIES
- FOR DETAIL INFORMATION ON INTERIOR FRAME TYPES CONTAINING DOORS, REFER TO DOOR FRAMES SCHEDULE, DETAILS & PLAN SHEET

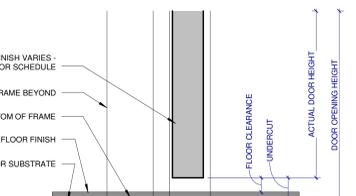
INTERIOR FRAME TYPE GLAZING SCHEDULE

ALL GLAZING IN INTERIOR FRAME TYPES IS 1/4" CLEAR FULLY TEMPERED, UNO.

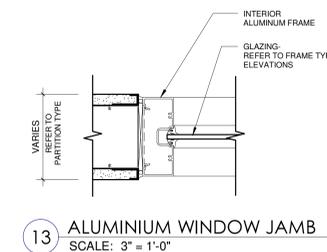
LINTEL SCHEDULE

SPAN LIMITS	SIZE	BEARING
0'-0" TO 1'-0"	1/4" PLATE	4"
1'-1" TO 3'-0"	L 3 1/2 x 3 1/2 x 1/4	4"
3'-1" TO 4'-0"	L 3 1/2 x 3 1/2 x 1/4	4"
4'-1" TO 5'-0"	L 4 x 3 1/2 x 1/4	6"
5'-1" TO 6'-0"	L 5 x 3 1/2 x 5/16	6"

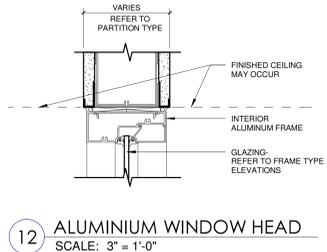
PROVIDE ONE (1) ANGLE FOR EACH 4" OF MASONRY WALL THICKNESS



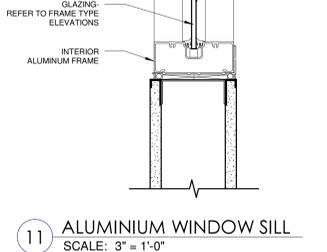
1 DOOR UNDERCUT DETAIL, TYP. SCALE: 3" = 1'-0"



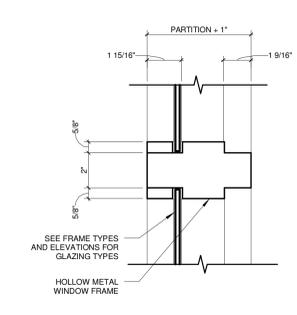
13 ALUMINIUM WINDOW JAMB SCALE: 3" = 1'-0"



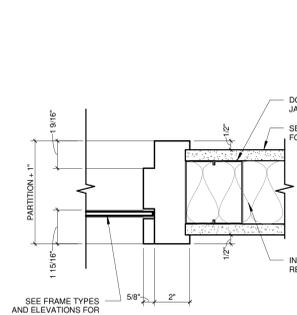
12 ALUMINIUM WINDOW HEAD SCALE: 3" = 1'-0"



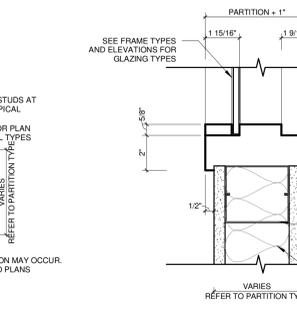
11 ALUMINIUM WINDOW SILL SCALE: 3" = 1'-0"



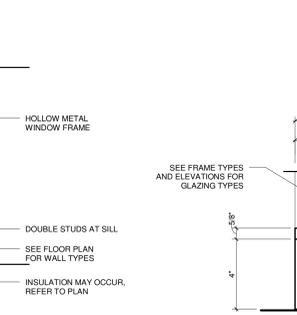
10 HOLLOW METAL MULLION SCALE: 3" = 1'-0"



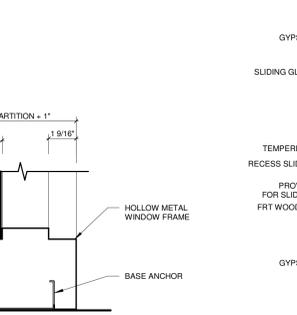
9 HOLLOW METAL WINDOW JAMB SCALE: 3" = 1'-0"



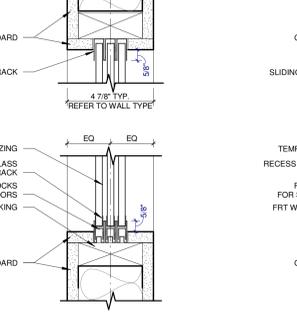
8 HOLLOW METAL WINDOW SILL/HEAD SCALE: 3" = 1'-0"



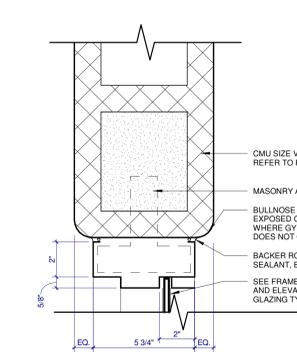
7 HOLLOW METAL WINDOW SILL AT FLOOR SCALE: 3" = 1'-0"



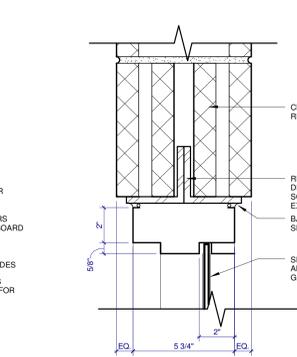
6 3-TRACK SLIDING WINDOW SCALE: 3" = 1'-0"



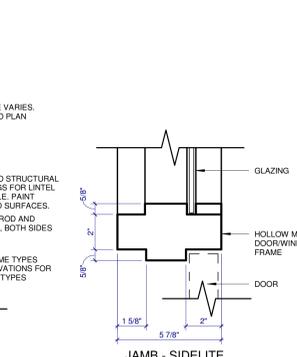
5 2-TRACK SLIDING WINDOW SCALE: 3" = 1'-0"



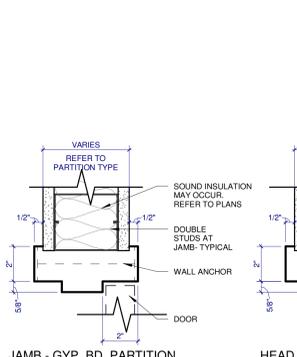
4 HOLLOW METAL WINDOW JAMB/SILL SCALE: 3" = 1'-0"



3 HOLLOW METAL WINDOW HEAD SCALE: 3" = 1'-0"



2 TYPICAL INTERIOR DOOR FRAME DETAILS - HOLLOW METAL SCALE: 3" = 1'-0"



1 DOOR UNDERCUT DETAIL, TYP. SCALE: 3" = 1'-0"



FIRE PROTECTION FIXTURE & CONNECTION SCHEDULE									
TAG ID	FIXTURE TYPE	MANUFACTURER	MODEL	SIZE (IN)	FLOW (GPM)	SERVICE	MAX PRESSURE DROP (PSI)	DESCRIPTION	REMARKS
BFP-1	BACKFLOW PREVENTER	ZURN	350ADA	4"	-	FIRE SERVICE	10	ASSE 1048 LISTED DOUBLE CHECK DETECTOR ASSEMBLY, PROVIDE W/ INTEGRAL OS&Y GATE VALVES, METERED BYPASS, INTEGRAL SUPERVISORY SWITCHES	ALL

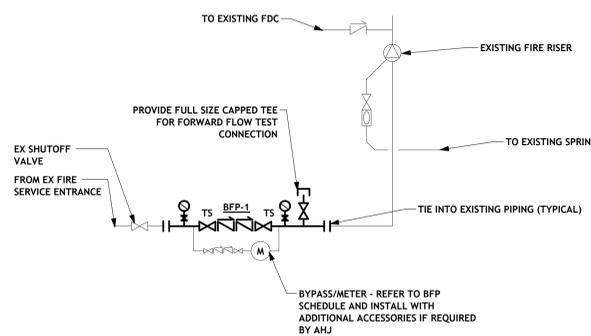
REMARKS:
1. PROVIDE AS SPECIFIED OR EQUAL FROM ALTERNATE MANUFACTURERS.
2. LOCATED IN FIRE SERVICE ROOM. COORDINATE WITH AHJ FOR FINAL INSTALLATION REQUIREMENTS.

FLOW AND PRESSURE TEST	
DATE OF TEST:	-
TIME OF TEST:	-
LOCATION OF TEST:	-
COMPLETED BY:	-
FLOW HYDRANT:	-
PRESSURE HYDRANT:	-
HYDRANT ELEVATION (FT):	-
FLOW (GPM):	-
STATIC PRESSURE (PSI):	-
RESIDUAL PRESSURE (PSI):	-

REMARKS:
1. AT THE TIME OF DESIGN, AN ACCURATE OR UP-TO-DATE FLOW AND PRESSURE TEST WAS NOT AVAILABLE. THE CONTRACTOR SHALL OBTAIN A NEW FLOW TEST PRIOR TO CONSTRUCTION AND REPORT TO ENGINEER. CURRENT SYSTEM DESIGN ASSUMES INCOMING WATER PRESSURE IS ADEQUATE FOR PRESSURE DROPS ASSOCIATED WITH NEW BACKFLOW PREVENTERS AND PIPING.



FIRE RISER PHOTO
NOT TO SCALE



EXISTING FIRE SERVICE ENTRANCE DETAIL
NOT TO SCALE

FIRE PROTECTION PERFORMANCE SPECIFICATIONS
GENERAL

1. Outlined areas are to have a sprinkler system designed and installed by a certified fire suppression contractor. Design shall be by a certified sprinkler designer in accordance with the Ohio Administrative Code (OAC 4101:7-5).
2. Contractor shall be state certified.
3. The complete fire protection design shall include all accessories including but not limited to alarm valves, remote alarm indicators, siamese connection, interface with fire alarm system (if installed), fire department connection etc.
4. Contractor shall provide all materials, labor, equipment, and accessories for a complete install as outlined by the contract documents.
5. Contractor shall submit a complete set of drawings and calculations to the local authority having jurisdiction for approval.
6. Contractor shall provide a complete set of fire protection system drawings and hydraulic calculations, including a 10% safety factor in conformance with NFPA 13 (latest edition), NFPA 14 (latest edition), NFPA 25 (latest edition) all local and state codes, owner and owner's insurance requirements for shop drawing review.
7. Contractor shall confirm the hazard classification for each space as indicated on these drawings with the prototype, lease documents, and/or owner's insurance underwriter's requirements.
8. Contractor shall obtain a current flow and pressure test for this project.
9. Approved submittals do not absolve the contractor from providing a complete and code compliant installation of materials, equipment or other devices. Nor does it absolve the contractor from conforming to the owner or owner's insurance requirements.
10. Contractor shall not procure pipe or start any work based on sizes indicated on the construction documents. Pipe sizes indicated on the construction documents are approximate and for reference only. Contractor shall size all piping based on his own hydraulic calculations and pipe layout.
11. Contractor shall field verify existing conditions, including but not limited to pump size and type, pipe size, system zoning, hazard classification, building standards, owner and owner's insurance requirements, tenant requirements, etc. prior to start of any work.
12. Contractor shall coordinate system shutdown with GC, owner or owner's representative, and tenant's representative. System shutdown shall be done in accordance with the local authority having jurisdiction.
13. Contractor shall modify, relocate and/or provide new sprinkler piping and/or heads as required to accommodate any new work completed under this contract.
14. Contractor shall be responsible for coordinating their work with all other trades and building constraints.
15. Contractor shall refer to architectural plans for room types and uses, ceiling types and location, fire and smoke walls and rated structures.
16. Contractor shall refer to the plumbing drawings for water service entry locations and the civil drawings for site continuation.
17. Contractor shall be responsible for patching existing floor and/or wall, including finishes, to match existing conditions.
18. No piping or equipment shall be located above electrical panels, equipment, or service areas.
19. Exposed interior and exterior fire protection piping to be painted by general contractor.
20. Contractor shall secure and pay for all fees, permits, and certificates of inspection incidental to this work required by foregoing authorities. Arrange for all required inspections and approvals.
21. Contractor shall perform all tests required by the Authority Having Jurisdiction, Local & State Codes, and NFPA (latest edition).
22. Deliver all permits and certificates to Architect in duplicate.

AUTOMATIC SPRINKLER SYSTEM DESIGN REQUIREMENTS

1. Hazard Occupancies:
 - A. Residential (Dwelling) Occupancy: 0.05 gpm over 400sf
 - B. Light-Hazard Occupancy: 0.10 gpm over 1,500sf
 - C. Ordinary-Hazard, Group 1 Occupancy: 0.15 gpm over 1,500sf
 - D. Ordinary-Hazard, Group 2 Occupancy: 0.20 gpm over 1,500sf
 - E. Extra-Hazard, Group 1 Occupancy: 0.30 gpm over 2,500sf
 - F. Extra-Hazard, Group 2 Occupancy: 0.40 gpm over 2,500sf
 - G. Special-Hazard Occupancy: As determined by the Authority Having Jurisdiction
2. Total Combined Hose-Stream Demand:
 - A. Light-Hazard Occupancy: 100 gpm for 30 minutes
 - B. Ordinary-Hazard Occupancy: 250 gpm for 60-90 minutes
 - C. Extra-Hazard Occupancy: 500 gpm for 90-120 minutes
 - D. Special-Hazard Occupancy: As determined by the Authority Having Jurisdiction
3. Area reductions permitted by the NFPA 13.11.2.3.2 (latest edition) for Quick Response Sprinklers. Contractor shall verify with Authority Having Jurisdiction and Owner's Underwriter prior to start of any work.
4. 30% area increase is required for remote areas as defined by NFPA 13.11.2.3.2 (latest edition) (i.e. sloped ceilings and/or sloped roofs).

WET SYSTEM SPRINKLER PIPING

1. Contractor shall be fully responsible for coordinating pipe routing and location with all disciplines.
2. No piping shall be installed below any device that would need to be removed or serviced.
3. No piping shall be installed within equipment service areas, in front of any doors or access panels.
4. No piping shall be installed below ceilings.
5. No piping shall be installed in areas subject to freezing.
6. Piping Schedule:
 - A. Schedule 40 black steel; ASTM A53/A53M, Grade A
 - B. Schedule 40 black steel Thinwall; ASTM A135/A135M, Grade A
 - C. Schedule 40 black steel Thinwall; ASTM A795/A795M, Grade A
 - D. Schedule 10 black steel; ASTM A135/A135M, Grade A for pipe diameters 4" and less.
 - E. Schedule 10 black steel; ASTM A795/A795M, Grade A for pipe diameters greater than 4".
7. Schedule 40 CPVC; ASTM F442/F442M, listed for sprinkler application
8. Schedule 80 CPVC; ASTM F442/F442M, listed for sprinkler application
9. No CPVC shall be installed in areas of ordinary-, extra-, or special-hazard occupancies. CPVC piping is only allowed where areas can be classified as light- or residential-hazard occupancies by the NFPA.

DRY SYSTEM SPRINKLER PIPING

1. Contractor shall be fully responsible for coordinating pipe routing and location with all disciplines.
2. No piping shall be installed below any device that would need to be removed or serviced.
3. No piping shall be installed within equipment service areas, in front of any doors or access panels.
4. No piping shall be installed below ceilings.
5. Contractor shall be responsible for sizing of all air compressors and dry pipe valves required.
6. Piping Schedule:
 - A. Schedule 40 black steel; ASTM A53/A53M, Grade A
 - B. Schedule 10 black steel; ASTM A135/A135M, Grade A for pipe diameters 4" and less.
 - C. Schedule 10 black steel; ASTM A795/A795M, Grade A for pipe diameters greater than 4".

SPRINKLER HEADS

1. Contractor shall be fully responsible for coordinating pipe routing and location with all disciplines.
2. Sprinkler heads shall be UL or FM listed.
3. Sprinkler heads shall coordinate with all other ceiling devices.
4. Sprinkler heads shall be symmetrically placed.
5. In areas with acoustical ceiling tiles, sprinkler heads shall be located within the center of the tile.
6. Sprinkler Head Schedule:
 - A. Upright heads shall be rough brass.
 - B. Recessed pendant heads shall be brass, chrome plated with two-piece flush escutcheon.
 - C. Concealed heads shall be brass with white flush mounted cover plate.
 - D. Sidewall heads shall be brass, chrome plated with two-piece semi-recessed escutcheon.
7. No sprinkler head shall be installed in areas subject to freezing unless sprinkler head is listed as an approved dry-style sprinkler head.

EXTRA MATERIALS

1. Contractor shall provide sprinkler cabinet located adjacent to fire riser.
2. Sprinkler cabinet shall contain the following:
 - A. General description of the system, installed date, tested date, etc.
 - B. List of all sprinkler types installed; including make, model, quantity, orifice, thermal sensitivity, and pressure rating.
 - C. Minimum one (1) valve wrench for each sprinkler type installed.
 - D. Stock of spare sprinkler heads for each sprinkler type in the following quantities:
 - a. > 300 installed sprinklers - minimum of six (6).
 - b. 300 to 1000 installed sprinklers - minimum of twelve (12).
 - c. >1000 installed sprinklers - minimum of twenty-four (24)

REFERENCE NOTES (THESE NOTES APPLY TO THIS PLAN ONLY)

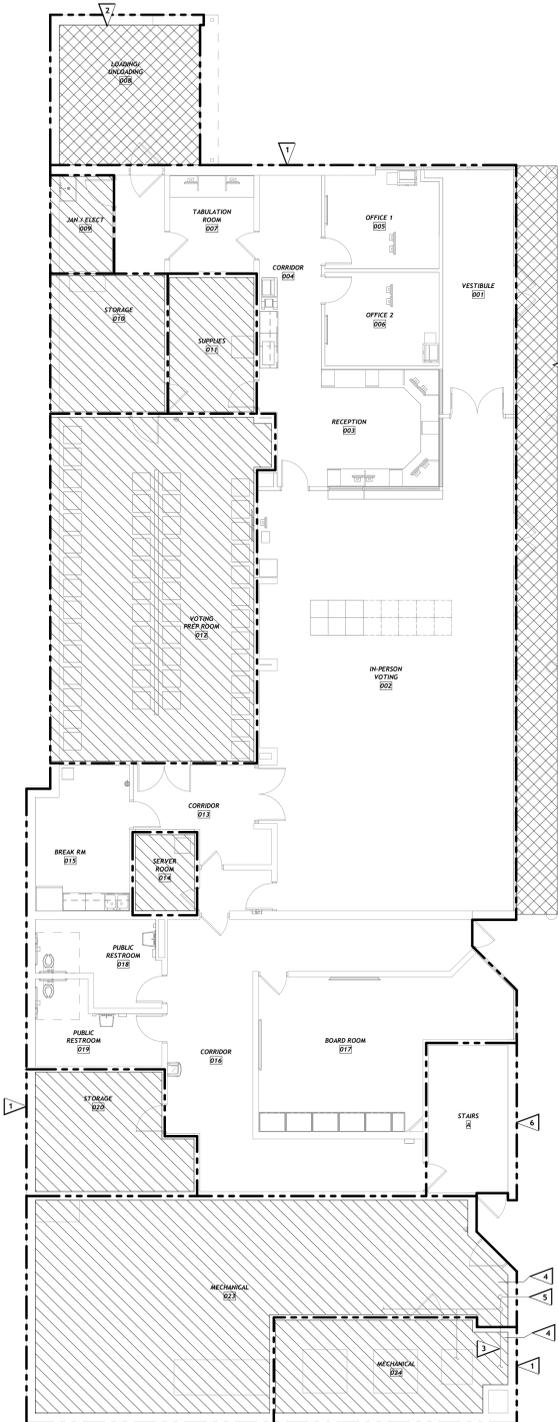
1. REWORK EXISTING SPRINKLER PIPING AS REQUIRED DUE TO ARCHITECTURAL CHANGES PER NFPA 13 REQUIREMENTS. DO NOT REUSE EXISTING SPRINKLER HEADS IN AREAS WITH NEW CEILING. MATCH EXISTING SPRINKLER HEAD TYPES AND FINISHES.
2. PROVIDE DRY TYPE SPRINKLER HEADS TO SERVE THIS AREA AND ALL OVERHANGS OVER 4' UNLESS PERMITTED TO BE OMITTED BY NFPA 13.
3. EXISTING 4" FIRE SERVICE ENTRANCE TO BE REWORKED TO INCLUDE NEW DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY. REVISE PIPING LAYOUT AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW BACKFLOW ASSEMBLY COMPONENTS PER AHJ REQUIREMENTS. SHUTOFF VALVES TO BE PROVIDED SEPARATELY AS REQUIRED GIVEN LIMITED SPACE FOR BACKFLOW INSTALLATION. COORDINATE WITH PC. REFER TO FIRE RISER PHOTO AND DETAIL THIS SHEET.
4. EXISTING FIRE SPRINKLER SYSTEM DRAIN.
5. EXISTING FIRE DEPT CONNECTION.
6. NO CPVC PIPING SHALL BE INSTALLED IN STAIRWELLS OR OTHER AREAS EXPOSED TO THE PUBLIC.

HAZARD CLASSIFICATION

- LIGHT HAZARD
- ▨ DRY SYSTEM
- ▩ ORDINARY HAZARD, GROUP 1
- ▧ SPRINKLER PROTECTION BY OTHERS

CURRENT KNOWN FIRE SUPPRESSION SYSTEM DEFICIENCIES

1. GAUGES ARE DUE FOR REPLACEMENT PER NFPA 25.
2. SYSTEM IS DUE FOR 5 YEAR INTERNAL PIPE INSPECTION PER NFPA 25.
3. ALARM AND CHECK VALVES ARE DUE FOR 5 YEAR INTERNAL INSPECTION PER NFPA 25.
4. FIRE DEPT CONNECTIONS ARE DUE FOR 5 YEAR HYDROSTATIC TEST PER NFPA 25.



LOWER LEVEL - FIRE PROTECTION PLAN (NEW WORK)

SCALE: 1/8" = 1'-0"

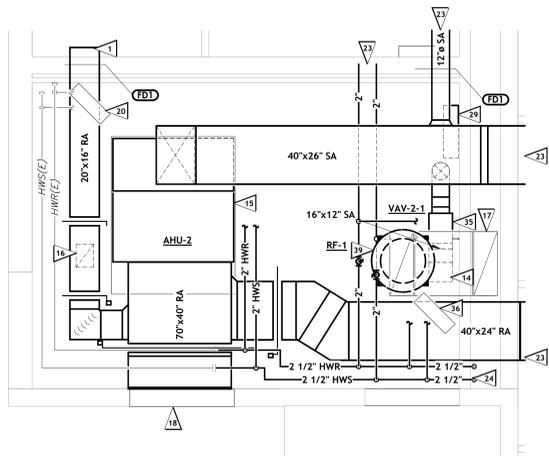


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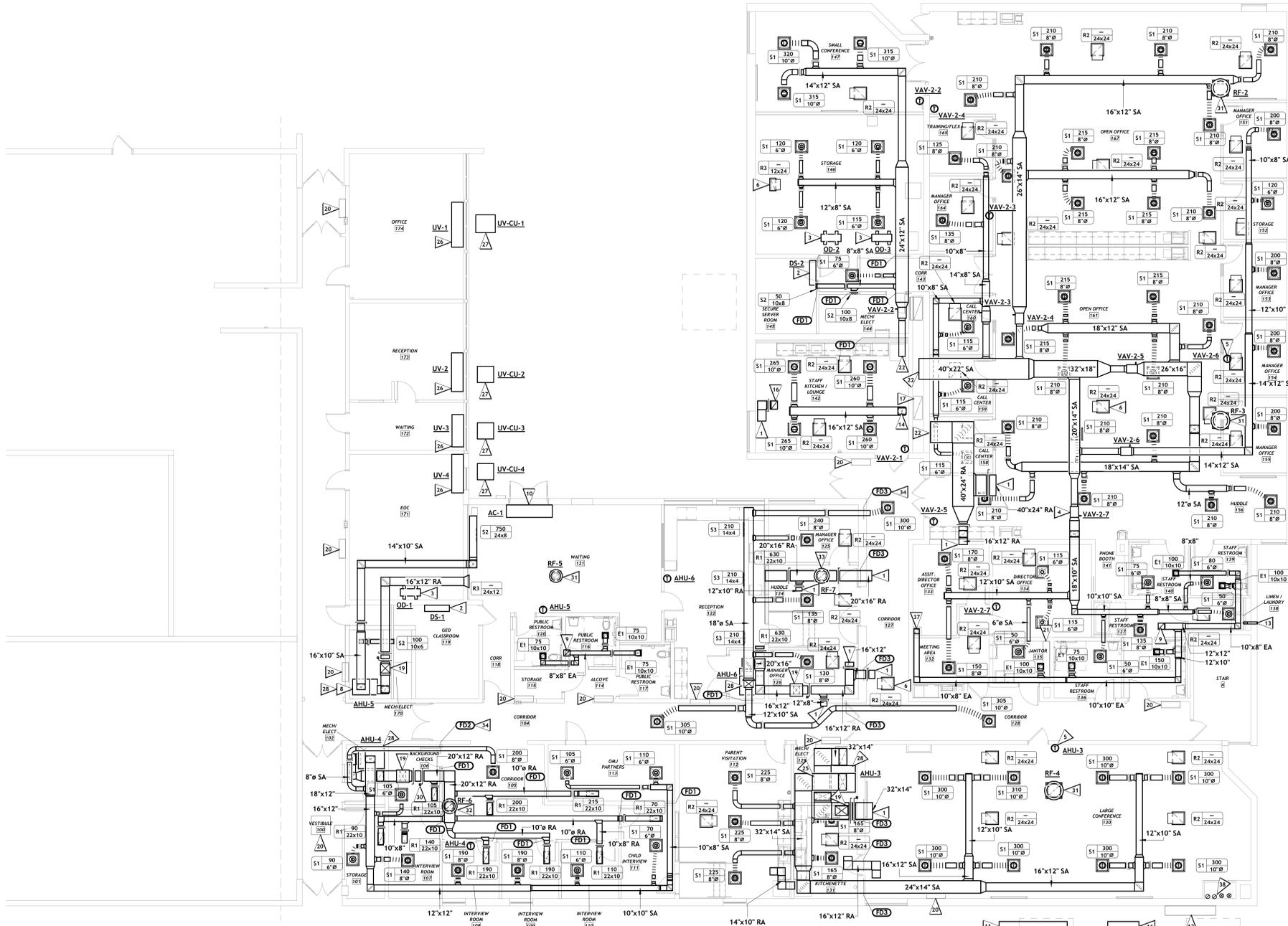
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LOWER LEVEL - FIRE PROTECTION PLAN (NEW WORK)

FP101



ENLARGED MEZZANINE PLAN - HVAC
SCALE: 1/4" = 1'-0"



UPPER LEVEL - HVAC DUCTWORK PLAN (NEW WORK)
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- MECHANICAL EQUIPMENT SHALL MAINTAIN A MINIMUM OF 10'-0" FROM A ROOF EDGE UNLESS NOTED OTHERWISE.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE FINAL ELECTRICAL REQUIREMENTS OF EQUIPMENT PRIOR TO ORDERING.
- PVC PIPING SHALL NOT BE ALLOWED WITHIN A RETURN AIR PLENUM. ALL PIPING UTILIZED IN A RETURN AIR PLENUM IS TO BE LABELED BY THE MANUFACTURER WITH A FLAME-SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS AS TESTED UNDER ASTM E 84.
- REFER TO ARCHITECTURAL PLANS AND DETAILS FOR EXACT DIMENSIONS, ELEVATIONS AND LOCATIONS OF EQUIPMENT, FIXTURES, OPENINGS, FIRE AND SMOKE WALL AND RATED STRUCTURES.
- DUCTWORK AND PIPING INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES AS TO NOT HINDER ACCESS TO EQUIPMENT. INSTALLATION OF PIPING SHALL ENABLE ACCESS TO VALVES ABOVE CEILING WHILE ALLOWING MINIMUM OF 8" CLEAR FOR CEILING REMOVAL.
- RETURN AIR DUCTWORK EXTENDING FROM EQUIPMENT SERVING A RETURN AIR PLENUM SHALL BE INTERNALLY INSULATED PER THE SPECIFICATIONS WITH 1/2" DUCT LINER FOR THE ENTIRE LENGTH OF THE DUCT FROM THE UNIT TO OUTLET.
- REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR DESIGN REQUIREMENTS OF PENETRATIONS.
- EXPOSED SUPPLY AIR DUCTWORK WITHIN FINISHED SPACES SHALL BE INTERNALLY INSULATED PER THE SPECIFICATIONS. DUCTWORK SIZE SHOWN IS FREE AREA DIMENSION REQUIRED OF DUCTWORK.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR THE EXACT LOCATIONS OF FLOOR DRAINS REQUIRED TO SERVE MECHANICAL EQUIPMENT.
- ALL INDIVIDUAL DUCT RUNOUTS TO DIFFUSERS, REGISTERS AND GRILLES TO BE PROVIDED WITH MEANS OF BALANCING AIRFLOW WHETHER SHOWN ON FLOOR PLANS OR NOT. INTEGRAL BALANCING MEANS AT AIR OUTLET ARE ACCEPTABLE AS SCHEDULED.
- DUCT RUNOUTS TO DIFFUSERS/GRILLES TO MATCH NECK SIZE OF ASSOCIATED DIFFUSER/GRILLE UNLESS NOTED OTHERWISE.
- ALL DUCTWORK AND PIPING TO BE ROUTED TIGHT TO STRUCTURE OR IN JOIST SPACE ABOVE UNLESS NOTED OTHERWISE. MAINTAIN MAXIMUM HEAD HEIGHT.

REFERENCE NOTES

- TERMINATE RA DUCT IN RETURN AIR PLENUM WITH MESH SCREEN.
- WALL MOUNTED INDOOR SPLIT SYSTEM UNIT.
- OUTDOOR UNIT MOUNTED ON "PATE" RAILS ON ROOF ABOVE PER DETAIL.
- VAV TERMINAL UNIT WITH HYDRONIC REHEAT COIL. TYPICAL.
- WALL MOUNTED THERMOSTAT MOUNTED AT 48" AFF IN VENTED, LOCKABLE ENCLOSURE. TYPICAL.
- RETURN AIR BOOT. SEE DETAIL. TYPICAL.
- RETURN AIR TRANSFER DUCT. SEE DETAIL. TYPICAL.
- INDOOR AIR HANDLING UNIT MOUNTED ON 4" CONCRETE HOUSEKEEPING PAD. INSTALL ASSOCIATED DUCTWORK TO UNIT AND PIPING TO COIL CONNECTIONS TO AVOID OBSTRUCTING UNIT CLEARANCES ON FRONT OF UNIT. COORDINATE FINAL ORIENTATION AND LAYOUT WITH FINAL SUBMITTED MANUFACTURER CLEARANCE REQUIREMENTS. TYPICAL.
- EA DUCT UP TO FAN ON ROOF. MODIFY EXISTING ROOF OPENING AS REQUIRED.
- HYDRONIC AIR CURTAIN INSTALLED OVER DOOR PER MFR REQUIREMENTS.
- OUTDOOR CONDENSING UNIT MOUNTED ON 4" FROSTPROOF CONCRETE PAD PER MANUFACTURER REQUIREMENTS. MAINTAIN CLEARANCES.
- EXISTING GAS SERVICE ASSEMBLY. MAINTAIN CLEARANCES.
- EXTEND 4" DRYER VENT FROM DRYER AND TERMINATE THROUGH EXTERIOR WALL PER MANUFACTURER REQUIREMENTS WITH WALL CAP.
- EXTEND 16"x12" SA DUCT THROUGH MEZZANINE FLOOR TO CEILING SPACE BELOW.
- INDOOR AIR HANDLING UNIT. MOUNT ON EXISTING CONCRETE PAD. MODIFY EXISTING PAD AS REQUIRED. INSTALL ASSOCIATED DUCTWORK TO UNIT AND PIPING TO COIL CONNECTIONS TO AVOID OBSTRUCTING UNIT CLEARANCES ON FRONT OF UNIT. COORDINATE FINAL ORIENTATION AND LAYOUT WITH FINAL SUBMITTED MANUFACTURER CLEARANCE REQUIREMENTS. EXTEND RL/RS TO ASSOCIATED OUTDOOR UNIT PER MFR REQUIREMENTS. SEAL EXTERIOR PENETRATIONS WEATHERTIGHT. EXTEND 1-1/4" CD PIPING TO NEARBY FLOOR DRAIN WITH TRAP PER DETAIL. EXTEND 2" HWS/HWR PIPING TO UNIT AND CONNECT PER DETAIL.
- EXTEND 16"x12" RA DUCT INTO RA PLENUM BELOW MEZZANINE WITH OBD.
- EXISTING RELIEF AIR DUCT.
- EXISTING OUTDOOR AIR INTAKE LOUVER. EXTEND AND CONNECT NEW DUCT TO LOUVER. INSTALL NEW CONTROLS AS SHOWN ON TEMPERATURE CONTROL DRAWINGS. TRANSITION AS REQUIRED TO LOUVER OPENING SIZE.
- GRAVITY VENTILATOR. INSTALL PER DETAIL. EXTEND OA DUCT AND TIE INTO RA DUCT AT ASSOCIATED AHU PRIOR TO ANY BRANCHES. INSTALL BALANCING AND CONTROL DAMPER (120V) ON OA DUCT AND RA DUCTWORK AS SHOWN ON TEMPERATURE CONTROL DIAGRAM. (2) CONTROL DAMPERS TOTAL.
- EXISTING UNIT HEATER. REFINISH/PAIN. COORDINATE FINISHES WITH ARCHITECT. TYPICAL ALL EXISTING TO REMAIN IN PROJECT AREA.
- EXISTING HYDRONIC FINNED TUBE. REFINISH/PAIN. COORDINATE FINISHES WITH ARCHITECT. TYPICAL ALL EXISTING TO REMAIN IN PROJECT AREA.
- REFER TO ENLARGED MEZZANINE PLAN THIS SHEET FOR CONTINUATION.
- REFER TO OVERALL FLOOR PLANS FOR CONTINUATION.
- HWS/HWR PIPING DOWN IN EXISTING SHAFT. OFFSET PIPING AS REQUIRED DUE TO INSTALLATION OF NEW RETURN AIR DUCT.
- COORDINATE DUCT ROUTING AROUND EXISTING HWS/HWR PIPING AND NEW AHU ACCESS AND COIL CLEARANCES.
- UNDER ALTERNATE 1 - NEW UNIT VENTILATOR MOUNTED IN SAME LOCATION AS REMOVED. RECONNECT TO EXISTING OUTDOOR AIR INTAKE LOUVER AND EXTEND TO NEW UNIT OA CONNECTION AS REQUIRED. FIELD VERIFY FINAL INSTALLATION LOCATION SUCH THAT EXISTING UTILITIES ARE ALIGNED WITH NEW CONNECTION LOCATIONS.
- UNDER ALTERNATE 1 - OUTDOOR CONDENSING UNIT MOUNTED ON GRADE PER DETAIL ON CONCRETE PAD. COORDINATE FINAL LOCATIONS WITH OWNER/ARCHITECT.
- ALL DUCTWORK ASSOCIATED WITH AHU TO BE ROUTED IN JOIST SPACE AND WEBBING WHERE POSSIBLE UNLESS NOTED OTHERWISE.
- WALL MOUNTED TEMPERATURE CONTROL PANEL (120V). COORDINATE FINAL QUANTITIES AND LOCATIONS WITH FINAL TEMPERATURE CONTROL VENDOR. COORDINATE INSTALLATION WITH EC.
- INSTALL CONTROL DAMPER (120V) FOR AHU-1 ECONOMIZER OPERATION. DAMPER TO MODULATE PER SEQUENCING DURING ECONOMIZER OPERATION. ALL AIR TO BE RELIEVED AT ASSOCIATED RELIEF FAN DURING FULL ECONOMIZER MODE.
- RELIEF FAN MOUNTED ON ROOF ABOVE PER DETAIL. EXTEND FULL SIZE DUCT INTO RETURN AIR PLENUM BELOW AND TERMINATE WITH MESH SCREEN AND CONTROL DAMPER (120V). REFER TO TEMPERATURE CONTROLS DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- RELIEF FAN MOUNTED ON ROOF ABOVE PER DETAIL. EXTEND FULL SIZE DUCT DOWN AND INTO RA DUCT BELOW. INSTALL CONTROL (120V) DAMPER UPSTREAM OF RA DUCT TIE IN. REFER TO TEMPERATURE CONTROLS DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- RELIEF FAN MOUNTED ON ROOF ABOVE PER DETAIL. EXTEND FULL SIZE DUCT DOWN FROM FAN WITH CONTROL DAMPER (120V). EXTEND DUCTWORK AS SHOWN. REFER TO TEMPERATURE CONTROLS DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- INSTALL DUCT MOUNTED FIRE DAMPER. SEE DETAILS AND SCHEDULE FOR ADDITIONAL REQUIREMENTS. TYPICAL.
- NEW VAV TERMINAL UNIT WITH 3-WAY CONTROL VALVE. INSTALL AND EXTEND PIPING TO UNIT PER DETAIL.
- EXTEND NEW PIPING TO EXISTING UNIT HEATER AND CONNECT PER DETAIL.
- EXHAUST AIR DUCT DOWN.
- BOILER FLUES/AIR INTAKES UP FROM BELOW. TERMINATE UP THROUGH ROOF PER MANUFACTURER REQUIREMENTS.
- RELIEF FAN MOUNTED ON ROOF ABOVE PER DETAIL. EXTEND FULL SIZE DUCT DOWN FROM FAN WITH CONTROL DAMPER (120V). TRANSITION AND TIE INTO EXISTING DUCT BELOW. REFER TO TEMPERATURE CONTROLS DRAWINGS FOR ADDITIONAL REQUIREMENTS.

RETURN AIR PLENUMS:
FIELD VERIFY ALL EXISTING TO REMAIN COMPONENTS IN NEW RETURN AIR PLENUMS ARE PLENUM RATED. REPORT TO ARCHITECT/ENGINEER IF FOUND TO BE NONCOMPLIANT.



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CARROLL COUNTY OFFICE RENOVATION
 211 MOODY AVE SW
 CARROLLTON OHIO 44615



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PROJECT NO. 24013.000

UPPER LEVEL -
HVAC DUCTWORK
PLAN (NEW WORK)

M202



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CONSULTING ENGINEERS
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MECHANICAL SCHEDULES AND DETAILS

M403

NO. 24002 © 2024

VARIABLE FREQUENCY DRIVE SCHEDULE						
TAG ID	MANUFACTURER	MODEL	SERVICE	MOTOR HP SERVED	VOLTS/PHASE	REMARKS
VFD-SHWP-1	DANFOSS	VLT	SHWP-1	3	208/3	ALL
VFD-SHWP-2	DANFOSS	VLT	SHWP-2	3	208/3	ALL
VFD-SHWP-3	DANFOSS	VLT	SHWP-3	5	208/3	ALL
VFD-SHWP-4	DANFOSS	VLT	SHWP-4	5	208/3	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: ABB, DANFOSS, SQUARE D, SIEMENS.
2. FURNISHED BY MC, INSTALLED BY EC.
3. PROVIDE WITH BYPASS.
4. BALANCE VFD OPERATION AND HARMONICS AFTER INSTALLATION DURING EQUIPMENT START UP TO MINIMIZE VFD BREAKOUT NOISE.
5. REFER TO TEMPERATURE CONTROLS DRAWINGS FOR ADDITIONAL REQUIREMENTS.
6. INSTALL UNDER ALTERNATE 3

UNIT HEATER SCHEDULE															
TAG ID	MANUFACTURER	MODEL	MOUNTING	AIRFLOW (CFM)	FAN DATA		COIL DATA			ELECTRICAL DATA				OPERATING WEIGHT (LBS)	REMARKS
					QUANTITY	POWER (EA.)	CAPACITY (MBH)	GPM	MAX WPD (FEET)	VOLT	PHASE	AMPS	MOCPP		
CUH-1	VULCAN	W-04	WALL	430	1	1/10 HP	32.3	5	1.45	115	1	0.65	-	128	ALL
UH-1	VULCAN	HV-118A	HORIZONTAL	500	1	16 W	18.4	1.9	2.2	115	1	0.8	-	26	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: DUNHAM-BUSH, MODINE, STERLING, VULCAN, ZEHNDER RITTLING.
2. PROVIDE WITH INTEGRAL FILTER/FILTER RACK.
3. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.
4. PROVIDE WITH WALL/CEILING MOUNTING BRACKET.
5. PROVIDE INTEGRAL THERMOSTAT.
6. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR PALETTE.

AIR CURTAIN SCHEDULE															
TAG ID	MANUFACTURER	MODEL	MOUNTING	AIRFLOW (CFM)	FAN DATA		COIL DATA (HOT WATER)			ELECTRICAL DATA				OPERATING WEIGHT (LBS)	REMARKS
					QUANTITY	POWER (EA.)	CAPACITY (MBH)	FLOW RATE (GPM)	ΔP (FT OF H2O)	VOLT	PHASE	MCA	MOCPP		
AC-1	POWERED AIRE	CHS-2-84HW/ST	WALL	2080	2	1/2 HP	82.379	8.39	2.44	208	1	3.5	15	271	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: BERNER, CAMBRIDGE, MARLEY, MARS, POWERED AIRE.
2. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.
3. PROVIDE WITH INTEGRAL FILTER/FILTER RACK, 24-VOLT DOOR CONTACT, TIME DELAY SWITCH, AND CONTROL PACKAGE.

AIR & DIRT SEPARATOR SCHEDULE												
TAG ID	MANUFACTURER	MODEL	TYPE	SERVICE	MAXIMUM PARTICLE (MICRONS)	CONNECTION SIZE (IN)	SIZE (Ø"xH")	RELIEF PRESSURE (PSIG)	RATED PRESSURE (PSIG)	MAX WATER PRESSURE DROP (FT H2O)	DRY WEIGHT (LBS)	REMARKS
AS-1	CALFETTI	NA549120A	COMBINATION AIR/DIRT AND HYDRAULIC SEPARATOR	HWS/R	5	5"	25x63	100	150	1	117	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: ARMSTRONG, AMTROL, BELL & GOSSETT, TACO, WESSELS.
2. PROVIDE WITH INTEGRAL FLUSH VALVE, BLOWOUT FITTINGS, LIFTING LUGS, AIR VENT, AND FLANGED CONNECTIONS.
3. SHALL BE ASME RATED.
4. INSTALL UNDER ALTERNATE 3.

PUMP SCHEDULE																		
TAG ID	MANUFACTURER	MODEL	TYPE	SERVICE	SIZE (IN)	FLOW (GPM)	PRESSURE (FT OF HEAD)	NPSH (FT OF HEAD)	RPM	POWER (BHP)	POWER (N/O HP)	POWER (HP)	ELECTRICAL DATA				OPERATING WEIGHT (LBS)	REMARKS
													VOLT	PHASE	MCA	MOCPP		
SHWP-1/2	GRUNDFOS	NBS 015-090-4P	HYDRONICS	OLD GYM	-	75	65.8	3.32	1765	2.13	2.91	3	208	3	-	-	189	1,2,4,5
SHWP-3/4	GRUNDFOS	NBS 020-095-4P	HYDRONICS	OLD SCHOOL	-	180	65.6	4.23	1750	4.01	5.06	5	208	3	-	-	192	1,2,4,5
PHWP-1	GRUNDFOS	MAGNA 3 65-120 GF	HYDRONICS	B-1	-	144	23.3	-	-	758 W	-	-	208	1	3.32	-	54	1,3,5,6
PHWP-2	GRUNDFOS	MAGNA 3 65-120 GF	HYDRONICS	B-2	-	144	23.3	-	-	758 W	-	-	208	1	3.32	-	54	1,3,5,6

REMARKS:
1. ACCEPTABLE MANUFACTURERS: (HYDRONICS) ARMSTRONG, BELL & GOSSETT, GRUNDFOS, PACO, TACO.
2. INSTALL ON MINIMUM 4" CONCRETE HOUSEKEEPING PAD WITH CHAMFERED EDGES.
3. SUPPORT INLINE PUMP FROM STRUCTURE ABOVE OR INSTALL ON UNI-STRUT RACK IN ACCESSIBLE LOCATION.
4. PROVIDE WITH INVERTER DUTY MOTORS FOR INSTALLATION/COMPATIBILITY WITH VFD'S.
5. INSTALL UNDER ALTERNATE 3.
6. PUMP SPEED CONTROLLED BY INTEGRAL FREQUENCY CONVERTER.

TANK SCHEDULE										
TAG ID	MANUFACTURER	MODEL	TYPE	SERVICE	TANK VOLUME (GAL)	SIZE (Ø" x H")	CHARGE PRESSURE	MAX WORKING PRESSURE	WEIGHT, FULL (LBS)	REMARKS
ET-1,2	GRUNDFOS	GNLA-35	BLADDER	HWS/R	106	30"x49"	FIELD VERIFY	125	300	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: AMTROL, ARMSTRONG, BELL & GOSSETT, TACO, WESSELS.
2. SHALL BE ASME RATED.
3. PROVIDE UNDER ALTERNATE 3.

BOILER SCHEDULE																		
TAG ID	MANUFACTURER	MODEL	TYPE	SERVICE	RELIEF PRESSURE (PSIG)	GAS DATA				WATER DATA			ELECTRICAL DATA				OPERATING WEIGHT (LBS)	REMARKS
						FUEL TYPE	INPUT / OUTPUT (MBH)	# OF STAGES	AFUE (%)	FLOW RATE (GPM)	ΔT (°F)	ΔP (FT OF H2O)	VOLT	PHASE	FLA / MCA	MOCPP		
B-1/B-2	LOCHINVAR	FBN1501	CONDENSING	HWS/R	100	NAT. GAS	1,500/1,443	MOD.	96.2	144	20	7.3	120	1	10/13	-	2307	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: (CONDENSING) AERCO, FULTON, HYDROTHERM, LAARS, LOCHINVAR, PVI, SUPERIOR, THERMAL SOLUTIONS, WEIL MCLAIN.
2. MOUNT ON MINIMUM 4" HIGH CONCRETE PAD WITH CHAMFERED EDGES.
3. INSTALL UNDER ALTERNATE 3.
4. E.C. TO PROVIDE AND INSTALL DISCONNECT SWITCH.
5. UNIT SHALL BE ASME RATED.

UNIT VENTILATOR SCHEDULE																								
TAG ID	MANUFACTURER	MODEL	SERVICE	OUTSIDE AIR (CFM)	SUPPLY FAN SECTION				COOLING COIL SECTION (DX)				HEATING COIL SECTION (HOT WATER)				FILTER SECTION		ELECTRICAL DATA				REMARKS	
					AIRFLOW (CFM)	ESP / TSP ("W.C.)	RPM	BHP / HP	REFRIG. TYPE	TOT/SENS MBH	EAT DB/WB (°F)	LAT DB/WB (°F)	CAPACITY (MBH)	EAT/LAT (°F)	FLOW RATE (GPM)	EWT / LWT (°F)	WATER ΔP (FT OF H2O)	TYPE	MERV	VOLT	PHASE	MCA		MOCPP
UV-1	MAGIC AIRE	MAUVF58AABA213D0K1BAA2AAB1HH	ALT 1	45	1485	0.3	-	-/0.5	R454B	43.24/28.9	80/67	61.38/57.23	56.99	55/89.5	6.5	180/162.01	2.561	DISPOSABLE	13	208	1	4.1	15	ALL
UV-2	MAGIC AIRE	MAUVF38AABA213D0K1BAA2AAB1HH	ALT 1	55	820	0.3	-	-/0.33	R454B	25.1/17.1	80/67	60.04/56.67	52.76	55/112.23	5.0	180/158.34	2.189	DISPOSABLE	13	208	1	3.2	15	ALL
UV-3	MAGIC AIRE	MAUVF28AABA213D0K1BAA2AAB1HH	ALT 1	45	500	0.3	-	-/0.33	R454B	14.9/10.41	80/67	59.91/56.87	22.58	55/95.57	4.0	180/168.42	0.616	DISPOSABLE	13	208	1	2.9	15	ALL
UV-4	MAGIC AIRE	MAUVF38AABA213D0K1BAA2AAB1HH	ALT 1	100	820	0.3	-	-/0.33	R454B	25.1/17.1	80/67	60.04/56.67	33.06	55/91	4.0	180/163.04	0.769	DISPOSABLE	13	208	1	3.2	15	ALL

REMARKS:
1. ACCEPTABLE MANUFACTURERS: CARRIER, MAGIC AIRE, TRANE.
2. FACTORY INSTALLED BACNET CAPABILITIES.
3. PROVIDE WITH HEAVY-GAGE STEEL CABINET, MECHANICALLY ISOLATED FANS/MOVING PARTS, INTEGRAL MIXING DAMPER.
4. PROVIDE EACH FAN WITH EC MOTOR WITH VARIABLE SPEED CONTROL OPTION.
5. PROVIDE WITH INTEGRAL NON-FUSED DISCONNECT SWITCH.
6. UNIT SHALL BE ASHRAE 90.1 COMPLIANT.
7. PROVIDE UNDER ALTERNATE 1.



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