

THE RAPID ELLSWORTH

300 ELLSWORTH SE, GRAND RAPIDS, MI 49503-4005

BID PACKAGE 2: BALANCE OF WORK



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CODE SUMMARY

- A. APPLICABLE CODES:
 1. BUILDING CODES:
 - A. MICHIGAN BUILDING CODE (MBC) 2015
 - B. MICHIGAN UNIFORM ENERGY CODE 2015
 - C. MICHIGAN BARRIER FREE DESIGN LAW P.A. 1 OF 1986 AND 2009 ICC/ANSI A117.1
 - D. MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS (MRCB)
 1. LEVEL 2 ALTERATION (MRCB 504.1)
 - A. LESS THAN 50% OF BUILDING AREA
 2. SECOND FLOOR INFILL ADDITION (MRCB 402.1)
 3. ROOF REPLACEMENT (MRCB 706)
 2. MECHANICAL CODES:
 - A. MICHIGAN MECHANICAL CODE 2015
 - B. MICHIGAN PLUMBING CODE (MPC) 2018
 3. ELECTRICAL CODE:
 - A. MICHIGAN ELECTRICAL CODE 2017 (MICHIGAN ELECTRICAL CODE PART 8 INCORPORATING NATIONAL ELECTRICAL CODE 2017).
- B. EXISTING AND/OR PROPOSED BUILDING DATA:
 1. USE: OFFICE BUILDING, USE GROUP B (MBC 304.1)
 2. CONSTRUCTION: TYPE III-B (MBC 602.2)
 3. AUTOMATIC FIRE SUPPRESSION:
 - A. FACILITY FULLY SPRINKLERED (MBC 903.3.1.1)
 - B. FIRE EXTINGUISHERS REQUIRED (MBC 906.1, NO. 1)
 - C. FIRE ALARM
 4. BUILDING HEIGHT: NO CHANGE
 5. BUILDING AREA: EXISTING FOOTPRINT TO REMAIN: 7,888 SF (WITHOUT GARAGE)
 - A. FIRST FLOOR ALTERATION AREA: 4,500 SF OF 7,800 SF (57%)
 - B. SECOND FLOOR ALTERATION AREA: 1,800 SF OF 7,900 SF (23%)
 - C. BASEMENT (MECHANICAL WORK ONLY):
 1. MIN TYPE 3 CONSTRUCTION REQUIREMENTS (MBC T-601; UNO):
 1. PRIMARY STRUCTURAL FRAME: 0-HR
 2. EXTERIOR BEARING WALLS: 2-HR
 3. INTERIOR BEARING WALLS: 0-HR
 4. EXTERIOR NON-BEARING WALLS: 0-HR
 5. INTERIOR NON-BEARING WALLS: 0-HR
 6. FLOOR CONSTRUCTION: 0-HR
 7. ROOF CONSTRUCTION: 0-HR
 - D. ADDITIONAL CONSTRUCTION REQUIREMENTS:
 1. EXIT ENCLOSURES: 1-HR (MBC 1023.2)
 2. EXIT ENCLOSURE OPENINGS: 1-HR (MBC 1.716.5)
 3. OTHER SHAFT ENCLOSURES: 1-HR (MBC 713.4)
 4. ELEC. RM. W/ >12.5 KVA TRANSFORMER: 1-HR (NEC 450.21 B)
 - E. OCCUPANT LOAD FOR EGRESS PURPOSES (MBC T-1004.1.2):
 1. BUSINESS: 100 GSF/OCC.
 - A. FIRST FLOOR: 75 PERSONS
 - B. SECOND FLOOR: 75 PERSONS
 - C. BASEMENT: 2,000 GSF/100 = 21 PERSONS (NO CHANGE)
 2. ACCESSORY STORAGE/MECHANICAL: 300 GSF/OCC.
 - A. BASEMENT: 5,200 GSF/300 = 18 PERSONS (NO CHANGE)
 - F. MEANS OF EGRESS REQUIREMENTS:
 1. MAX TRAVEL DISTANCE: 300 FT. (MBC T-1017.2)
 2. MAX COMMON PATH OF TRAVEL: 100 FT. (MBC T-1006.2.1)
 3. EGRESS WIDTH (PER OCCUPANT):
 - A. STAIR: 0.3' (MBC 1008.3)
 - B. OTHER COMPONENTS - DOORS: 0.2' (MBC 1005.3.2)
 - C. MIN STAIR WIDTH: 44" (MBC 1008.3)
 - D. MIN CORRIDOR WIDTH: 44" (MBC T-1020.2)
 - E. MAX DEAD END CORRIDOR: 50 FT. (MBC 1020.4, EX.2)
 - F. REMOTENESS OF EXITS: 1/3 DIAGONAL (MBC 1007.1.1, EX.2)
 - G. OPEN EXIT ACCESS STAIRWAYS: PERMITTED (MBC 1019.3, NO. 1 OR NO.4)
 4. PLUMBING FIXTURE REQUIREMENTS (MPC 1.403.1):
 1. BASEMENT FIXTURES TO REMAIN (NO WORK IN BASEMENT):
 2. FIRST AND SECOND FLOOR OCCUPANT LOAD FOR FIXTURE CALCULATIONS:
 - A. 75-75 = 150 TOTAL (75 MEN/75 WOMEN)
 3. PLUMBING FIXTURES:
 - A. WC: 102 FOR FIRST 50, REMAINDER 150 (2 REQUIRED FOR EACH SEX)
 1. 6 PROVIDED FOR EACH SEX - ADDITIONAL UNSEX
 - B. L: 140 FOR FIRST 80, REMAINDER 180 (2 REQUIRED FOR EACH SEX)
 1. 4 PROVIDED FOR EACH SEX - ADDITIONAL UNSEX
 - C. EWC: 1100 REQUIRED (2 PROVIDED ON SECOND FLOOR)
 - D. SERVICE SINK: 1 REQUIRED (2 PROVIDED (ONE ON EACH FLOOR))
 4. MAX TRAVEL DISTANCE TO TOILET ROOM: 1 STORY, 300 FT. (MPC 403.3.1)
 5. MAX SUBSTITUTION OF U FOR WC IN ANY ONE TOILET ROOM: 50% (MPC 419.2)

CODE LEGEND

- ☞ EXIT/EXIT ACCESS WITH CAPACITY SERVED
- ➔ DIRECTION OF EGRESS INCLUDING SECONDARY EXIT/EXIT ACCESS
- ⊙ OCCUPANT LOAD OF SPACE AND BASIS FOR CALCULATION
XXXX SF
- - - 1-HR RATED WALL U/L DESIGN NO. U419
- ↑ EXIT
XXX- REQUIRED (CLEAR) EGRESS WIDTH (32" MIN)
XXX- PROVIDED (CLEAR) EGRESS WIDTH
- FE FIRE EXTINGUISHER LOCATION

NOTE: PROVIDE IDENTIFICATION FOR RATED/SMOKE TIGHT WALLS AS REQUIRED BY MBC 103.1 IN ACCESSIBLE CONCEALED SPACES. REFER TO SPECIFICATION SECTION 07 2533 FOR ADDITIONAL INFORMATION

**THE RAPID
ELLSWORTH**
 BID PACKAGE 2: BALANCE OF WORK

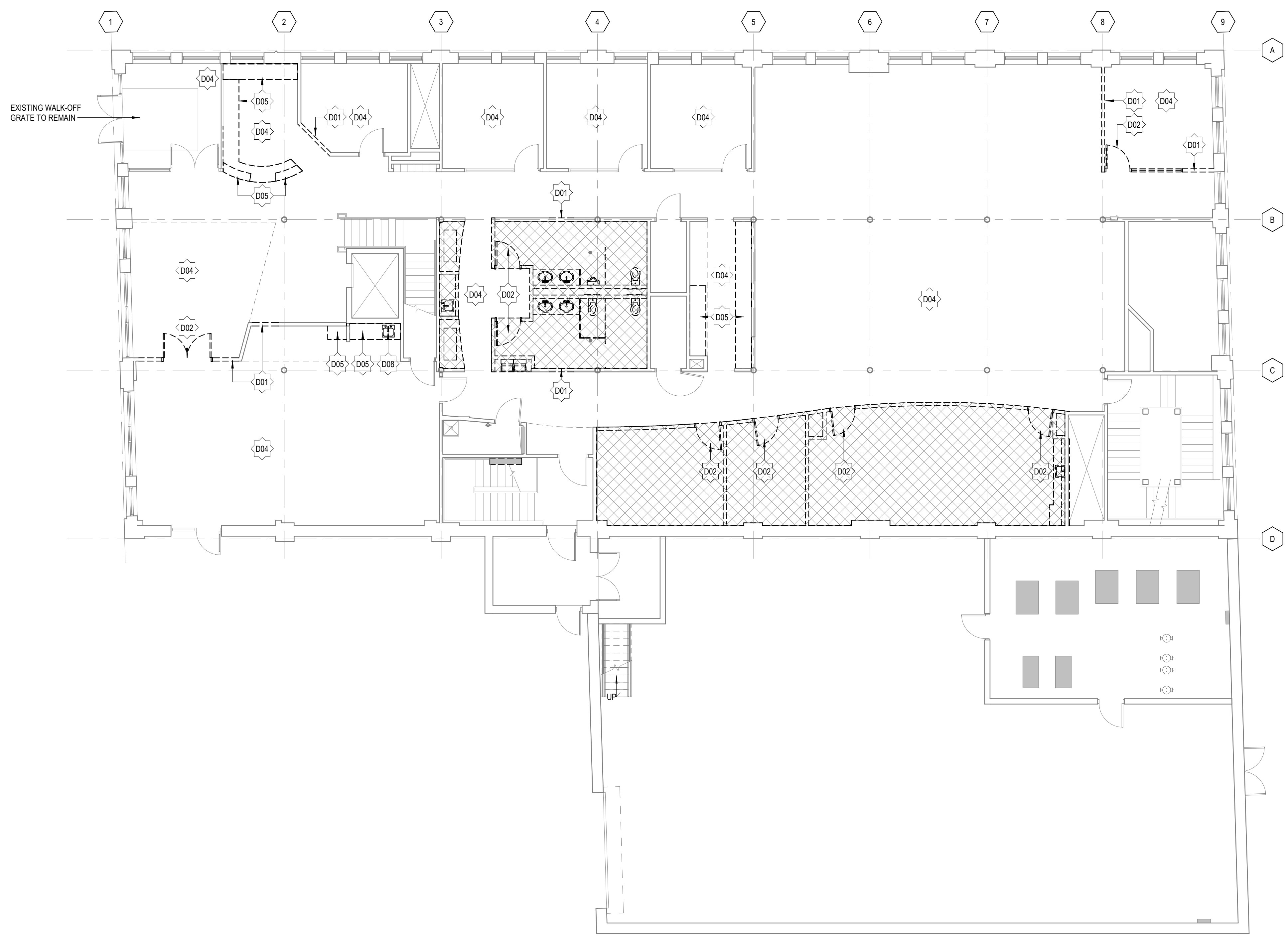
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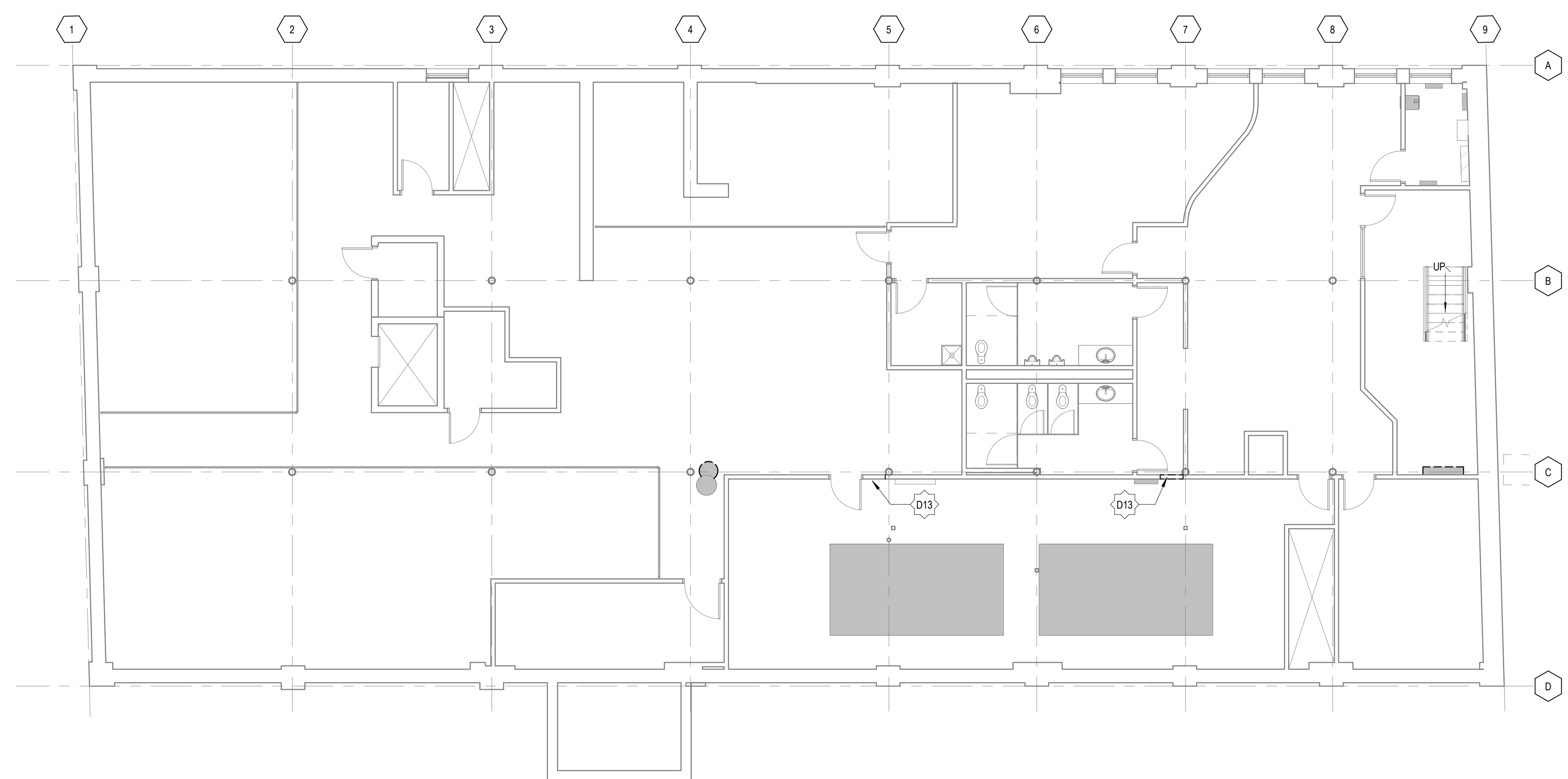
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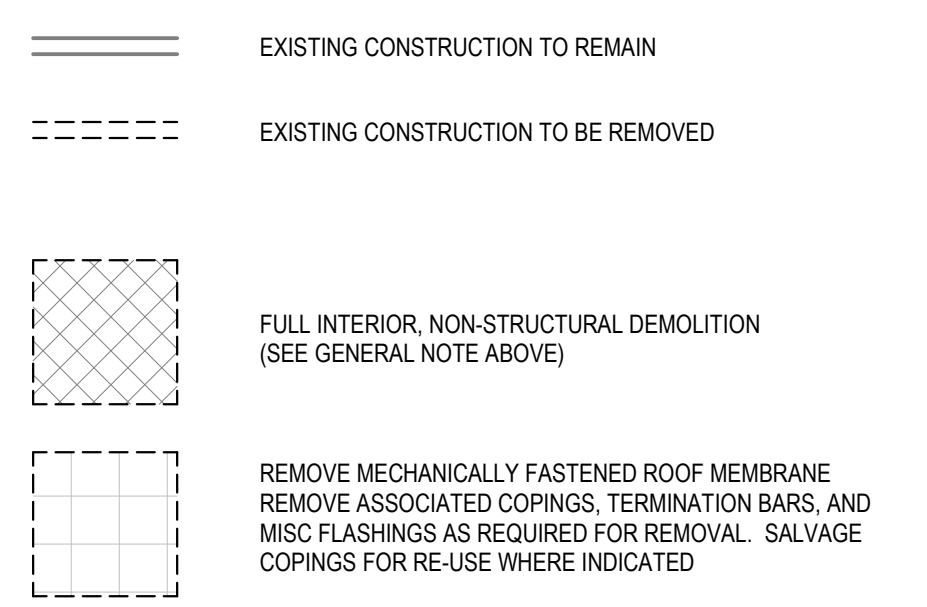
1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"



1 BASEMENT DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION NOTES AND LEGEND

1. EXISTING BUILDING CONDITION BASED ON OWNER PROVIDED DRAWINGS AND LIMITED FIELD VERIFICATION. VERIFY EXACT CONDITIONS IN FIELD. SHOULD DISCREPANCIES OCCUR, NOTIFY ARCHITECT FOR CLARIFICATIONS.
2. BEGINNING WORK INDICATES THAT THE CONTRACTOR HAS ACCEPTED AND VERIFIED EXISTING CONDITIONS.
3. COORDINATE DEMOLITION WITH ALL CONTRACTORS WORKING IN AREAS BEING RENOVATED.
4. DURING DEMOLITION, PROTECT ALL ADJACENT CONSTRUCTION TO REMAIN.
5. ANY ASBESTOS CONTAINING MATERIALS THAT ARE ENCOUNTERED ARE TO BE REMOVED BY THE OWNER.
6. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ITEMS TO BE REMOVED NOT SHOWN HERE.
7. COORDINATE THE RETURN AND STORAGE OF ALL ITEMS DESIGNATED AS SALVAGE.
8. PROVIDE TEMPORARY SHORING AND/OR STAGING OF THE DEMOLITION WORK. COORDINATE DEMOLITION OF ALL WALLS OR PORTIONS OF WALLS FOR NEW OPENINGS WITH STRUCTURAL DOCUMENTS AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR SHORING ALL STRUCTURE SUPPORTED BY BEARING WALLS PRIOR TO REMOVAL.
9. MANY OF THE MASONRY WALLS OF THIS BUILDING ARE LOAD-BEARING.
10. COORDINATE CONSTRUCTION BARRIER LOCATIONS, NOISY DEMOLITION / CONSTRUCTION, AND WORK NOTED "INTERMITTENT" WITH OWNER.
11. HATCHED AREA(S) OF FULL NON-STRUCTURAL DEMOLITION (AS INDICATED IN LEGEND BELOW); REMOVE ALL WALLS, DOORS, FLOORING, CEILING(S), FIXTURES, MILLWORK, EQUIPMENT, ETC. UNLESS NOTED OTHERWISE. OWNER TO REVIEW SALVAGEABLE ITEMS FOR POTENTIAL RE-USE.



DEMOLITION PLAN KEYNOTES

NUMBER	NOTE
D01	REMOVE WALL OR PORTION OF WALL AS SHOWN
D02	REMOVE DOOR, FRAME (INCLUDING LITES) AND HARDWARE. SALVAGE FOR POTENTIAL REUSE/RELOCATION
D04	REMOVE FLOORING AND BASE
D05	REMOVE CASEWORK
D08	REMOVE PLUMBING FIXTURE(S) AS SHOWN
D13	REMOVE WALL OR PORTION OF WALL AS SHOWN; COORDINATE WITH MECHANICAL WHERE COIL PULLS ARE REQUIRED FOR UPGRADE WORK, PATCH AND REPAIR WHEN WORK IS COMPLETE.

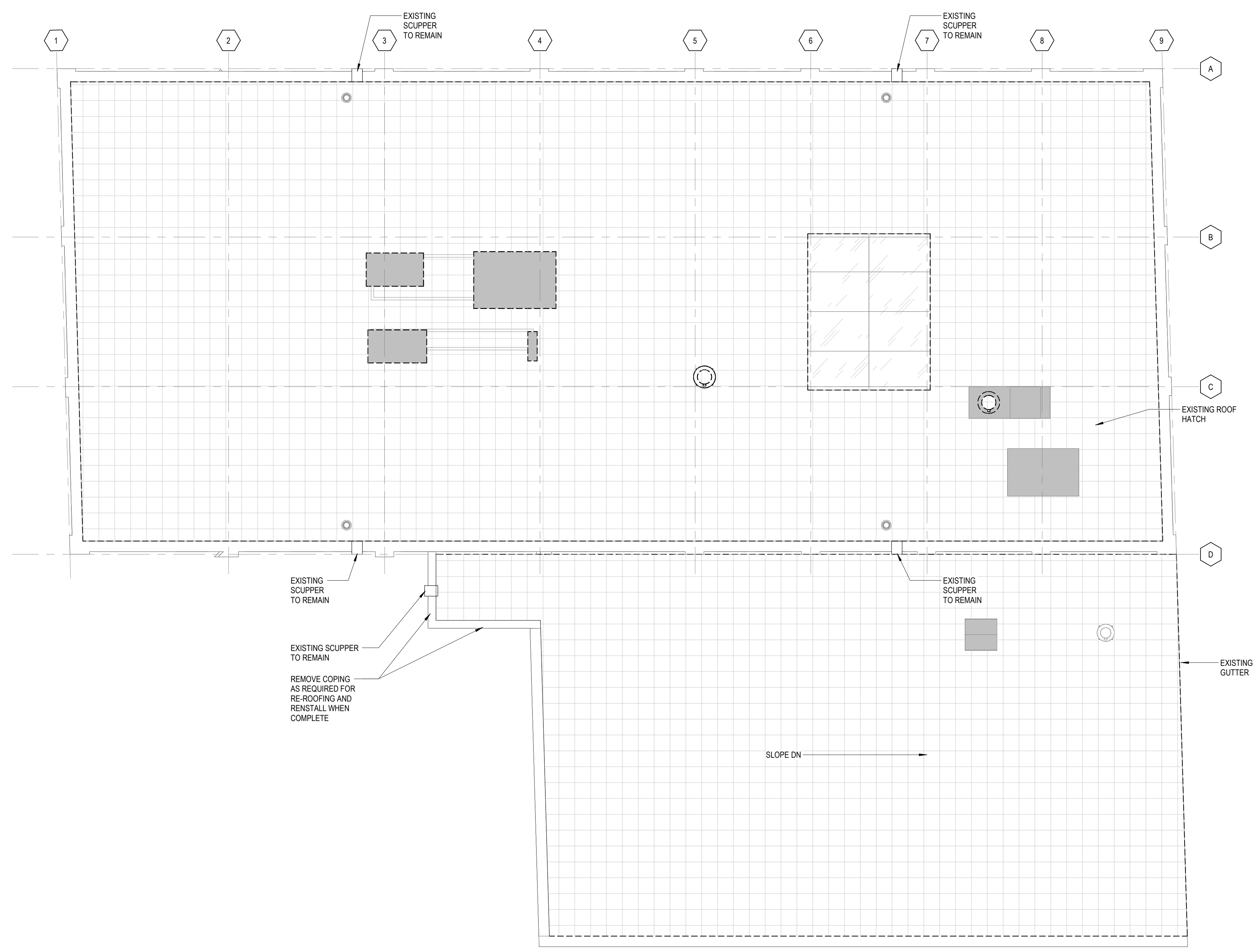
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 33
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 AD101
 THIS DOCUMENT AND FIRST FLOOR DEMOLITION PLANS
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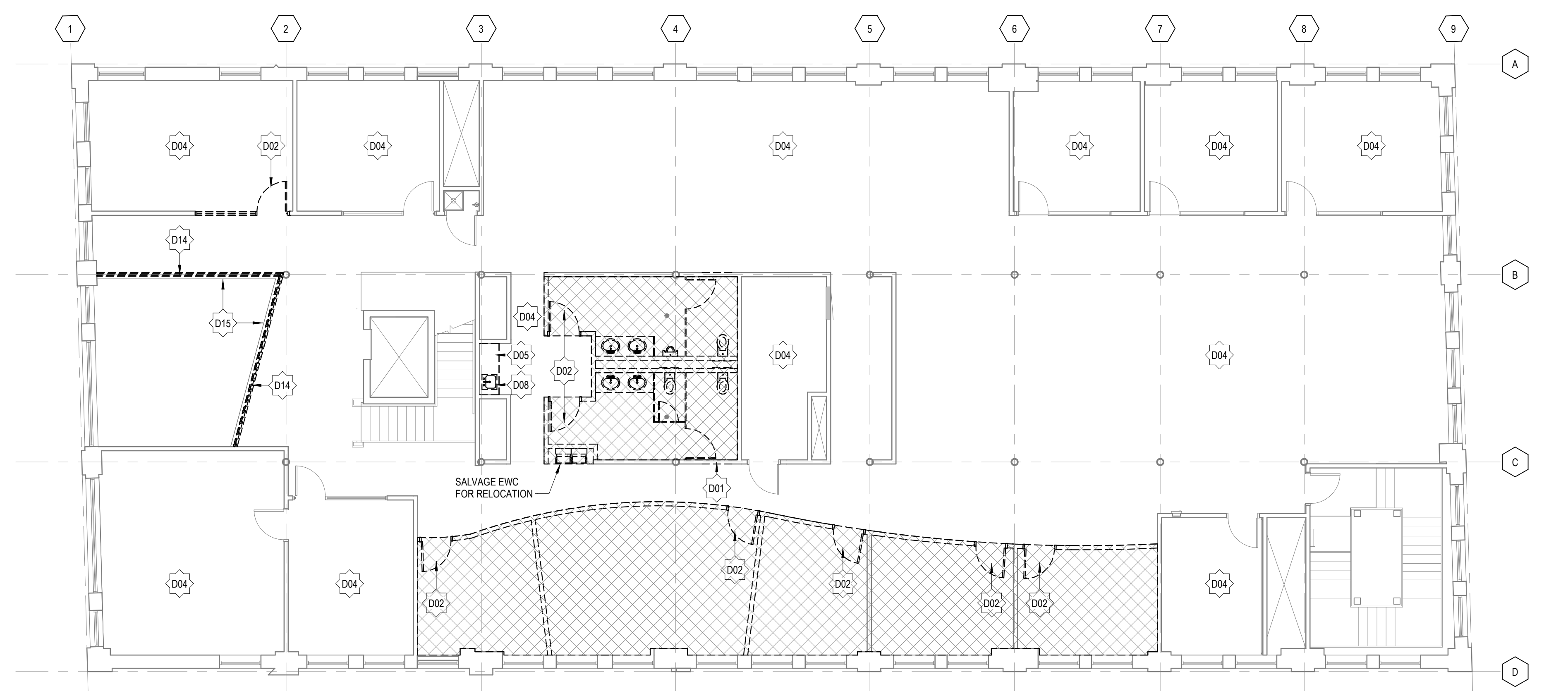
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1 ROOF DEMOLITION PLAN
1/8" = 1'-0"



1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION NOTES AND LEGEND

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2. BEGINNING WORK INDICATES THAT THE CONTRACTOR HAS ACCEPTED AND VERIFIED EXISTING CONDITIONS.
3. COORDINATE DEMOLITION WITH ALL CONTRACTORS WORKING IN AREAS BEING RENOVATED.
4. DURING DEMOLITION, PROTECT ALL ADJACENT CONSTRUCTION TO REMAIN.
5. ANY ASBESTOS CONTAINING MATERIALS THAT ARE ENCOUNTERED ARE TO BE REMOVED BY THE OWNER.
6. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ITEMS TO BE REMOVED NOT SHOWN HERE.
7. COORDINATE THE RETURN AND STORAGE OF ALL ITEMS DESIGNATED AS SALVAGE.
8. PROVIDE TEMPORARY SHORING AND/OR STAGING OF THE DEMOLITION WORK.
9. MANY OF THE MASONRY WALLS OF THIS BUILDING ARE LOAD-BEARING. COORDINATE DEMOLITION OF ALL WALLS OR PORTIONS OF WALLS FOR NEW OPENINGS WITH STRUCTURAL DOCUMENTS AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR SHORING ALL STRUCTURE SUPPORTED BY BEARING WALLS PRIOR TO REMOVAL.
10. COORDINATE CONSTRUCTION BARRIER LOCATIONS, NOISY DEMOLITION / CONSTRUCTION, AND WORK NOTED "INTERMITTENT" WITH OWNER.
11. HATCHED AREA(S) OF FULL NON-STRUCTURAL DEMOLITION (AS INDICATED IN LEGEND BELOW); REMOVE ALL WALLS, DOORS, FLOORING, CEILING(S), FIXTURES, MILLWORK, EQUIPMENT, ETC. UNLESS NOTED OTHERWISE. OWNER TO REVIEW SALVAGEABLE ITEMS FOR POTENTIAL RE-USE.

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- FULL INTERIOR, NON-STRUCTURAL DEMOLITION (SEE GENERAL NOTE ABOVE)
- REMOVE MECHANICALLY FASTENED ROOF MEMBRANE REMOVE ASSOCIATED COPINGS, TERMINATION BARS, AND MISC FLASHINGS AS REQUIRED FOR REMOVAL. SALVAGE COPINGS FOR RE-USE WHERE INDICATED

DEMOLITION PLAN KEYNOTES

NUMBER	NOTE
D01	REMOVE WALL OR PORTION OF WALL AS SHOWN
D02	REMOVE DOOR, FRAME (INCLUDING LITES) AND HARDWARE. SALVAGE FOR RE-USE/RELOCATION.
D04	REMOVE FLOORING AND BASE
D05	REMOVE CASEWORK
D08	REMOVE PLUMBING FIXTURE(S) AS SHOWN
D14	REMOVE GUARDRAIL, GUARDRAIL BASE, AND ALL ASSOCIATED ANCHORS/FASTENERS.
D15	REMOVE GYP. AND ASSOCIATED FURRING FROM FACE OF STEEL BEAMS AT EDGE OF EXISTING FLOOR OPENING.

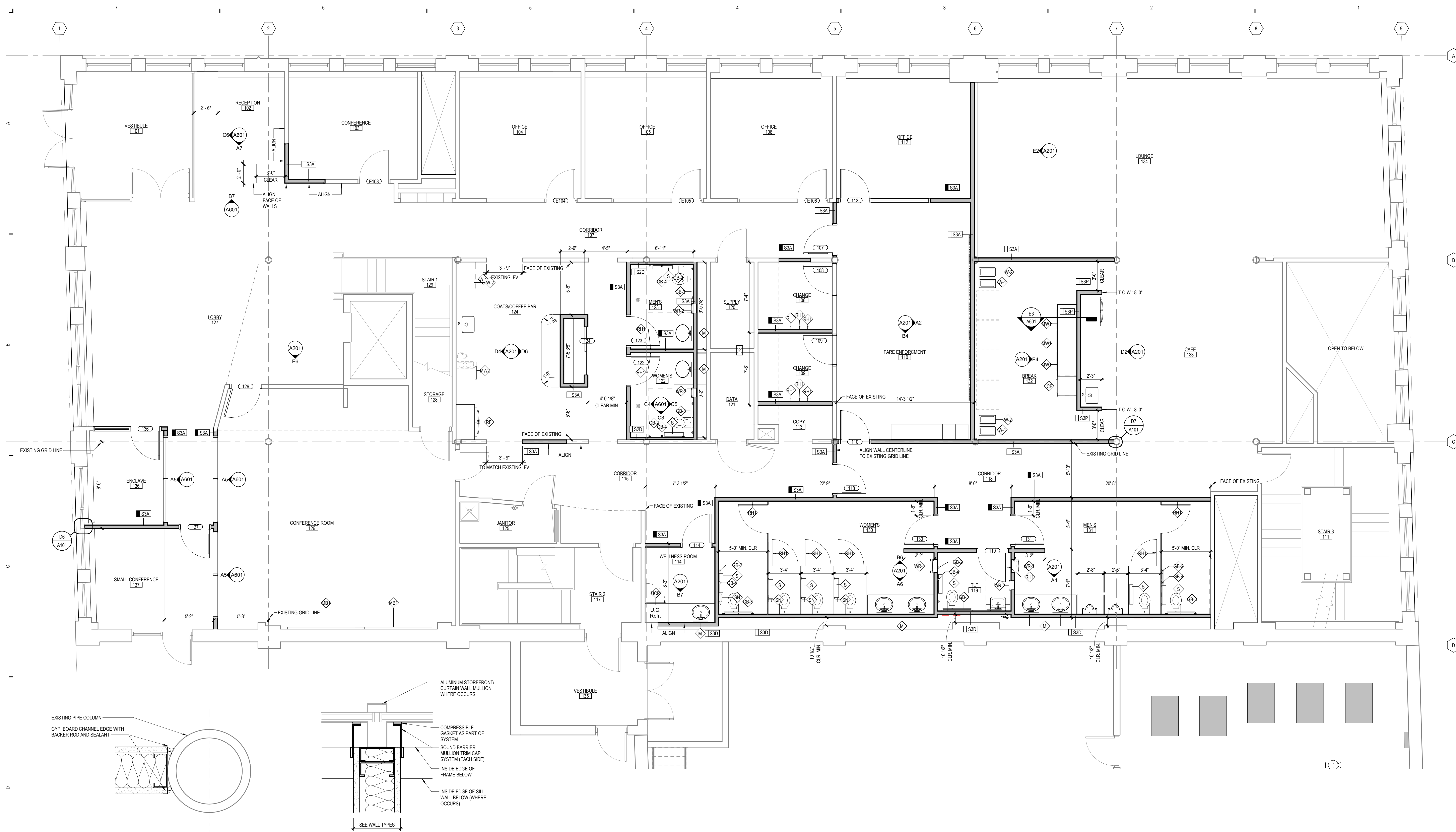
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 AE 102
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D7 WALL TO EXISTING COLUMN (TYP.)
 3" = 1'-0"

D6 MULLION TRIM CAP DETAIL
 3" = 1'-0"

FIRST FLOOR PLAN
 1/4" = 1'-0"

RESTROOM ACCESSORIES

MARK	MODEL	MANUFACTURER	DESCRIPTION
GB-2	B-8606 24"	BOBRICK	42" GRAB BAR
GB-3	B-8606 24"	BOBRICK	36" GRAB BAR
GB-4	B-8606 18"	BOBRICK	18" GRAB BAR
M	B-290 1836.MBLK	BOBRICK	18x36 WELDED FRAME, MATTE BLACK
RH1	B-233	BOBRICK	Coil Hook @ 5'
S	B-683	BOBRICK	STAINLESS STEEL SHELF, SURFACE MOUNTED
SN	B-35139	BOBRICK	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED
WR-1	B-43944	BOBRICK	RECESSED COMBINATION TOWEL AND WASTE
WR-2	B-4369	BOBRICK	RECESSED COMBINATION TOWEL AND WASTE

MISCELLANEOUS EQUIPMENT SCHEDULE

MARK	MODEL	MANUFACTURER	DESCRIPTION
CF	OWNER PROVIDED	CONTRACTOR	BUNN COFFEE MAKER
ICE	DCM-27184H-OS	INSTALLED	ICE MAKER
MB1	A18 BRILLIANT WHITE	HOSHIZAKI	CLARIDGE GLASS MARKER BOARD
MW1	EMBS2411AB WITH EMTK3011AS	ELECTROLUX	MICROWAVE
MW2	EMBS2411AB	ELECTROLUX	MICROWAVE
RF	GWE230YFNS	GE	REFRIGERATOR
UR	GMB2411AB - CLEANSTEEL	GE	REFRIGERATOR
W-1	H-5148, BLACK	ULINE	TRASH BIN
W-2	H-5148, GREEN	ULINE	TRASH BIN

INTERIOR PARTITION TAG LEGEND

CORE MATERIAL	CORE SIZE (NOMINAL)			
	S	W	C	H
S - STEEL STUDS	0	7/8"		
W - WOOD STUDS	1	1 5/8"		
C - CONCRETE	2	2 1/2"	2x (Rtd)	2 1/2"
M - MASONRY	3	3 5/8"		
H - CH SHAFTH WALL	4	4"	2x4	4" x 4"
ACoustICAL INSULATION PROVIDE acoustICAL INSULATION AT TAGGED LOCATIONS	5	6"	2x6	6" x 6"
PARTITION TYPE SUFFIX REFER TO SCHEDULE BELOW	6	8"	CFMH	2x8 8" x 8"
	7	8"		10" x 10"
	8	10"		12" x 12"
	9			
	10			
	11			
	12			

INTERIOR PARTITION TYPE SUFFIXES

A	5/8" GYPSUM BOARD ON BOTH SIDES; EXTEND TO DECK (OR HARD CEILING WHERE IT OCCURS)
P	PARTIAL HEIGHT WALL SAME AS S3A (SEE PLAN FOR HEIGHT AFF)

INTERIOR PARTITION GENERAL NOTES

- EXISTING WALL CONSTRUCTION
- NEW STUD WALL CONSTRUCTION
- NEW MASONRY WALL CONSTRUCTION
- CONSTRUCT ALL WALLS TIGHT TO DECK ABOVE AND EXTEND INTO DECK FLUTES AND WEBS OF STEEL MEMBERS UNLESS OTHERWISE NOTED.
- PROVIDE DEFLECTION TRACK AT THE TOP OF ALL INTERIOR NON-BEARING METAL STUD WALLS CAPABLE OF ACCOMMODATING 1" ROOF FLOOR DEFLECTION. REFER TO DETAILS FOR HEAD OF WALL CONSTRUCTION.
- REFER TO CODE COMPLIANCE PLAN FOR RATED WALL LOCATIONS. FIRE RATED AND SMOKE RESISTANT ASSEMBLIES SHALL BE CONTINUOUS, WITH OTHER PARTITIONS ABUTTING THEM.
- PROVIDE FIRE STOPPING/ SMOKE SEALANT AT ALL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT ASSEMBLIES, CORRIDORS, AND FLOORS WITH OCCUPIABLE SPACES ABOVE AND BELOW.
- PROVIDE acoustICAL SEALANT AT ALL WALLS WITH acoustICAL INSULATION.
- REFER TO STRUCTURAL DRAWINGS FOR MASONRY REINFORCING AND GROUTING.
- PROVIDE BULLNOSE CONCRETE MASONRY UNITS AT EXPOSED SILLS AND AT ALL INTERIOR EXPOSED VERTICAL CORNERS, INCLUDING WINDOW AND DOOR JAMBS.
- ALL WALLS ARE TYPE S3A UNLESS NOTED OTHERWISE.

GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- EXISTING BUILDING CONDITIONS BASED ON OWNER PROVIDED DRAWINGS AND LIMITED FIELD VERIFICATION. VERIFY EXACT CONDITIONS IN FIELD. SHOULD DISCREPANCIES OCCUR, NOTIFY ARCHITECT FOR CLARIFICATIONS.
- BEGINNING WORK INDICATES THAT THE CONTRACTOR HAS ACCEPTED AND VERIFIED EXISTING CONDITIONS.
- REFER TO CODE COMPLIANCE DRAWING(S) FOR LOCATIONS OF RATED ASSEMBLIES AND CODE SUMMARY.
- ABBREVIATIONS, TYPICAL MOUNTING DIMENSIONS, AND ANNOTATION SYMBOLS ARE SHOWN ON GENERAL INFORMATION DRAWINGS.
- WALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONCRETE, FACE OF STUDS, COLUMN CENTERLINE AS SHOWN OR EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE PERPENDICULAR AND PARALLEL, UNLESS NOTED OTHERWISE.
- PATCH ALL DISTURBED SURFACES WITH MATERIALS TO MATCH ADJACENT SURFACE CONSTRUCTION.
- PROVIDE APPROVED SMOKE/FIRE STOPPING ASSEMBLIES AT ALL MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT PARTITIONS IDENTIFIED ON CODE COMPLIANCE DRAWINGS.
- OWNER FURNISHED EQUIPMENT IS SHOWN LIGHT DASHED FOR REFERENCE ONLY. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO INTERIORS FOR FINISHES INCLUDING WALL PROTECTION ITEMS.
- REFER TO SPECIFICATION SECTION 10 1400 FOR REQUIRED LOCATIONS OF CODE REQUIRED SIGNAGE.
- PROVIDE ALLOWANCE TO REPAIR SECOND FLOOR DECKING TO ELIMINATE SQUEAKING (REFER TO SPECIFICATIONS).

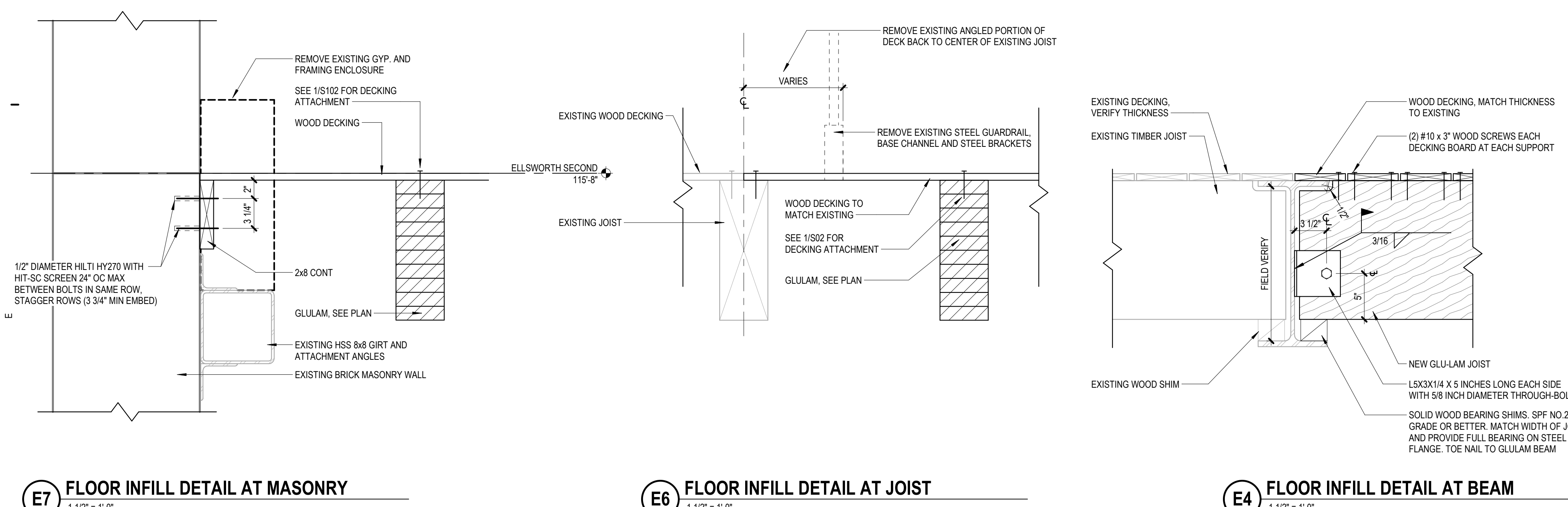
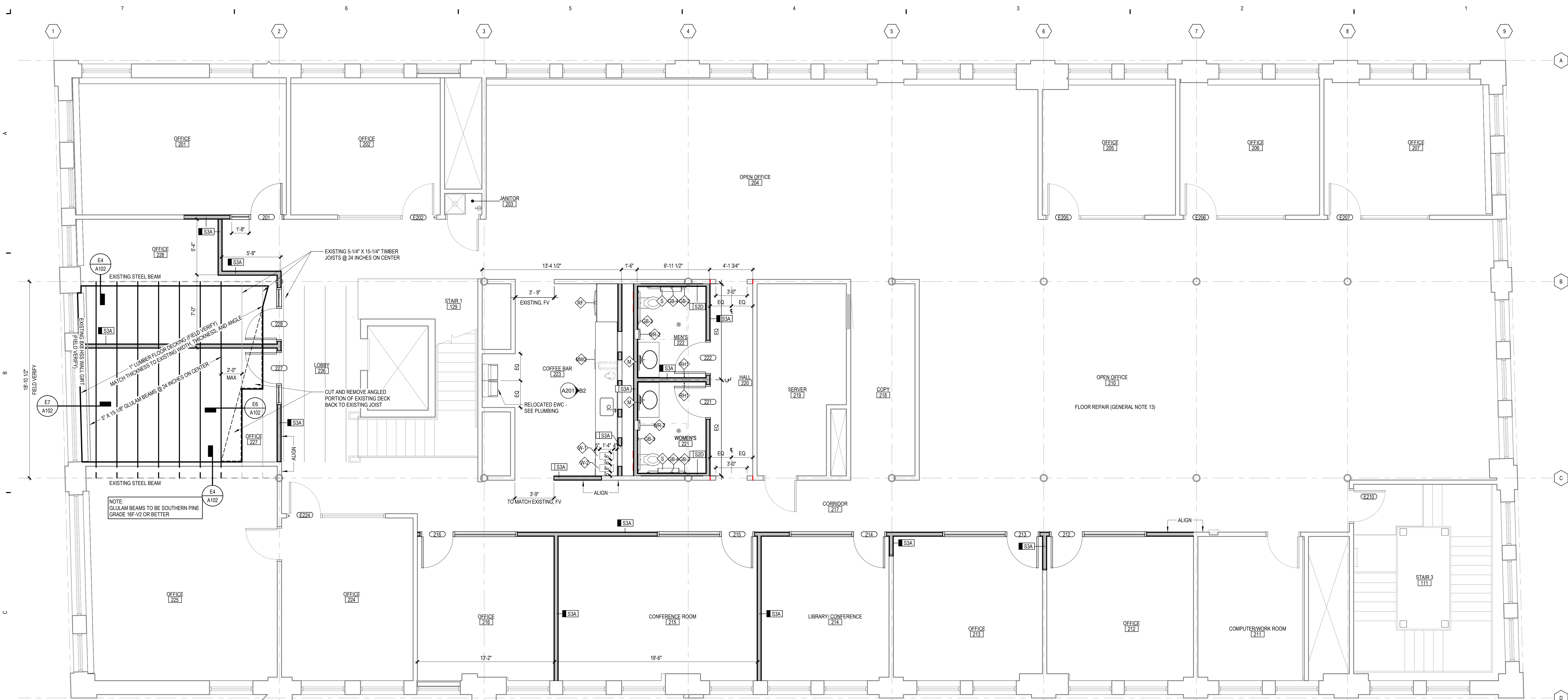
3/8/2022 2:45:35 PM - The Rapid Ellsworth and Central Streets Rehabilitation Project - 300 Ellsworth SE - 1st Floor Plan
 A101
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FIRST FLOOR
 PLAN
A101



1 SECOND FLOOR PLAN

1/4" = 1'-0"

INTERIOR PARTITION TAG LEGEND

CORE MATERIAL

S - STEEL STUDS
W - WOOD STUDS
C - CONCRETE
M - MASONRY
H - CH SHAFTH WALL

ACOUSTICAL INSULATION
PROVIDE ACOUSTICAL INSULATION AT TAGGED LOCATIONS

PARTITION TYPE SUFFIX
REFER TO SCHEDULE BELOW

CORE SIZE (NOMINAL)	CORE SIZE (NOMINAL)			
	S	W	C	H
0	7/8"			
1	1 5/8"			
2	2 1/2"	2x (Rtd)		2 1/2"
3	3 5/8"			
4	4"	2x4	4"	4"
5	6"	2x6	6"	6"
6	8"	2x8	8"	8"
7	8"	CFMF	2x8	8"
8	10"			10"
9	10"			10"
11	12"			12"
12	12"			12"

INTERIOR PARTITION GENERAL NOTES

- EXISTING WALL CONSTRUCTION
- NEW STUD WALL CONSTRUCTION
- NEW MASONRY WALL CONSTRUCTION

- CONSTRUCT ALL WALLS TIGHT TO DECK ABOVE AND EXTEND INTO DECK FLUTES AND WEBS OF STEEL MEMBERS UNLESS OTHERWISE NOTED.
- PROVIDE DEFLECTION TRACK AT THE TOP OF ALL INTERIOR NON-BEARING METAL STUD WALLS CAPABLE OF ACCOMMODATING 1" ROOF FLOOR DEFLECTION. REFER TO DETAILS FOR HEAD OF WALL CONSTRUCTION.
- REFER TO CODE COMPLIANCE PLAN FOR RATED WALL LOCATIONS. FIRE RATED AND SMOKE RESISTANT ASSEMBLIES SHALL BE CONTINUOUS, WITH OTHER PARTITIONS ABUTTING THEM.
- PROVIDE FIRESTOPPING/ SMOKE SEALANT AT ALL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT ASSEMBLIES, CORRIDORS, AND FLOORS WITH OCCUPIABLE SPACES ABOVE AND BELOW.
- PROVIDE ACOUSTICAL SEALANT AT ALL WALLS WITH ACOUSTICAL INSULATION.
- PROVIDE 5/8" WATER RESISTANT GYPSUM WALLBOARD AT ALL WALLS OF TOILET ROOMS, WALLS RECEIVING TILE, AND WALLS BEHIND AND ADJACENT TO SINKS.
- PROVIDE 5/8" TILE BACKER AT ALL WALLS OF SHOWER ENCLOSURES.
- REFER TO STRUCTURAL DRAWINGS FOR MASONRY REINFORCING AND GROUTING.
- PROVIDE BULLNOSE CONCRETE MASONRY UNITS AT EXPOSED SILLS AND AT ALL INTERIOR EXPOSED VERTICAL CORNERS, INCLUDING WINDOW AND DOOR JACKS.
- ALL WALLS ARE TYPE S3A UNLESS NOTED OTHERWISE.

GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- EXISTING BUILDING CONDITIONS BASED ON OWNER PROVIDED DRAWINGS AND LIMITED FIELD VERIFICATION. VERIFY EXACT CONDITIONS IN FIELD. SHOULD DISCREPANCIES OCCUR, NOTIFY ARCHITECT FOR CLARIFICATIONS.
- BEGINNING WORK INDICATES THAT THE CONTRACTOR HAS ACCEPTED AND VERIFIED EXISTING CONDITIONS.
- REFER TO CODE COMPLIANCE DRAWING(S) FOR LOCATIONS OF RATED ASSEMBLIES AND CODE SUMMARY.
- ABBREVIATIONS, TYPICAL MOUNTING DIMENSIONS, AND ANNOTATION SYMBOLS ARE SHOWN ON GENERAL INFORMATION DRAWINGS.
- WALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONCRETE, FACE OF STUDS, COLUMN CENTERLINE AS SHOWN OR EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE PERPENDICULAR AND PARALLEL, UNLESS NOTED OTHERWISE.
- PATCH ALL DISTURBED SURFACES WITH MATERIALS TO MATCH ADJACENT SURFACE CONSTRUCTION.
- PROVIDE APPROVED SMOKE/FIRESTOPPING ASSEMBLIES AT ALL MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT PARTITIONS IDENTIFIED ON CODE COMPLIANCE DRAWINGS.
- OWNER FURNISHED EQUIPMENT IS SHOWN LIGHT DASHED FOR REFERENCE ONLY. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO INTERIORS FOR FINISHES INCLUDING WALL PROTECTION ITEMS.
- REFER TO SPECIFICATION SECTION 10.1400 FOR REQUIRED LOCATIONS OF CODE REQUIRED SIGNAGE.
- PROVIDE ALLOWANCE TO REPAIR SECOND FLOOR DECKING TO ELIMINATE SQUEAKING (REFER TO SPECIFICATIONS).

INTERIOR PARTITION TYPE SUFFIXES

LETTER	DESCRIPTION
A	5/8" GYP/SM BOARD ON BOTH SIDES; EXTEND TO DECK (OR HARD CEILING WHERE IT OCCURS)
P	PARTIAL HEIGHT WALL SAME AS S3A (SEE PLAN FOR HEIGHT AFF)

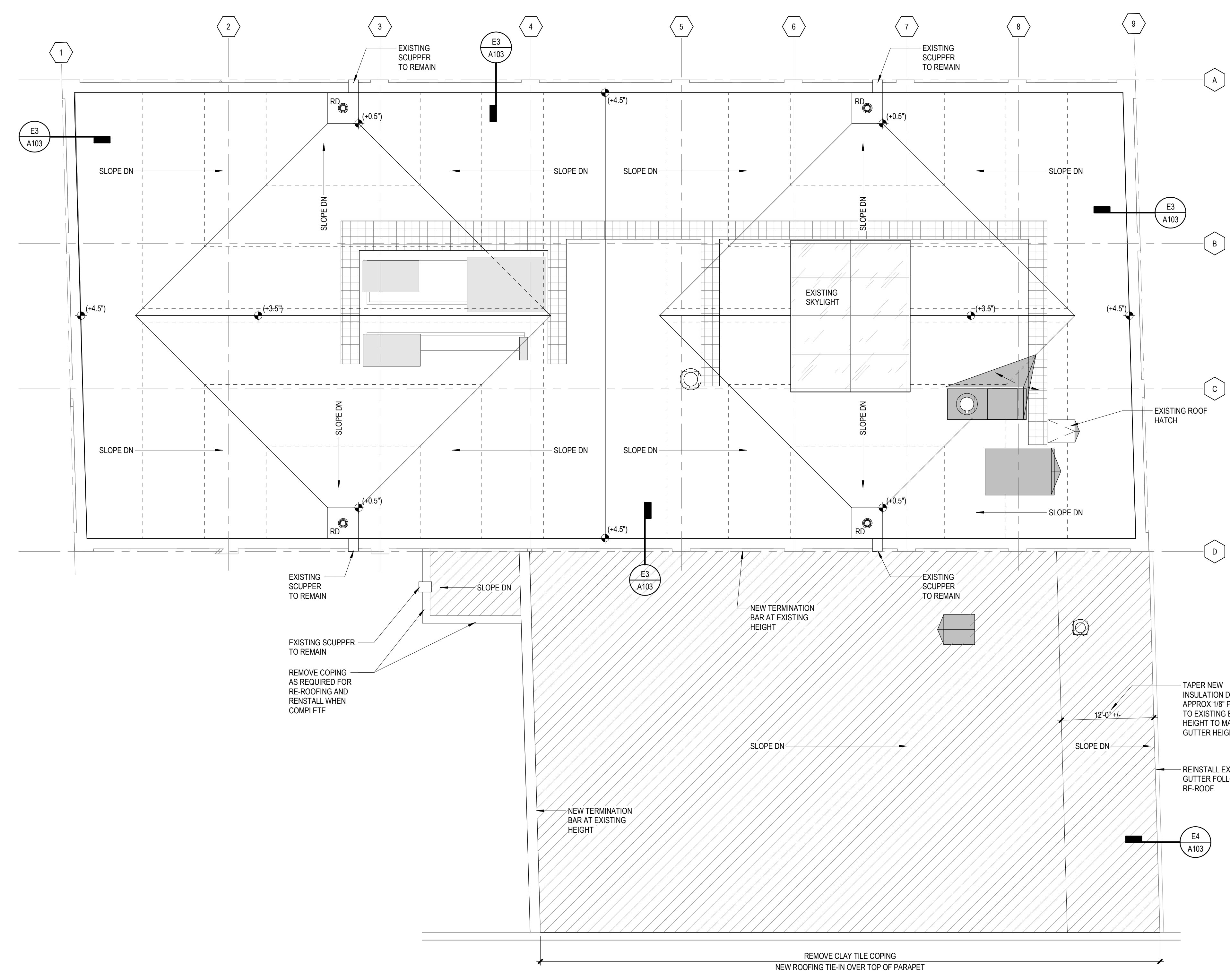
E7 FLOOR INFILL DETAIL AT MASONRY
1/2" = 1'-0"

E6 FLOOR INFILL DETAIL AT JOIST
1/2" = 1'-0"

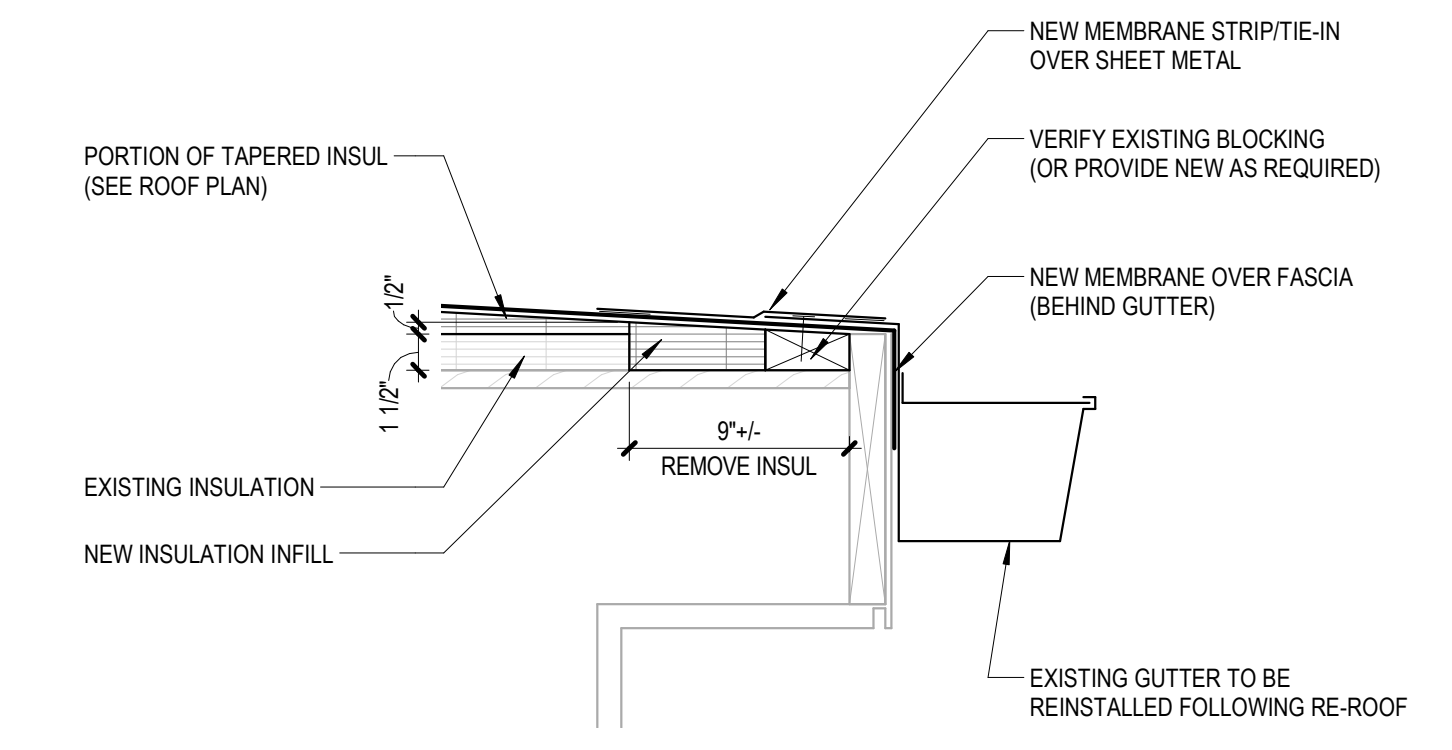
E4 FLOOR INFILL DETAIL AT BEAM
1/2" = 1'-0"

ROOF LEGEND

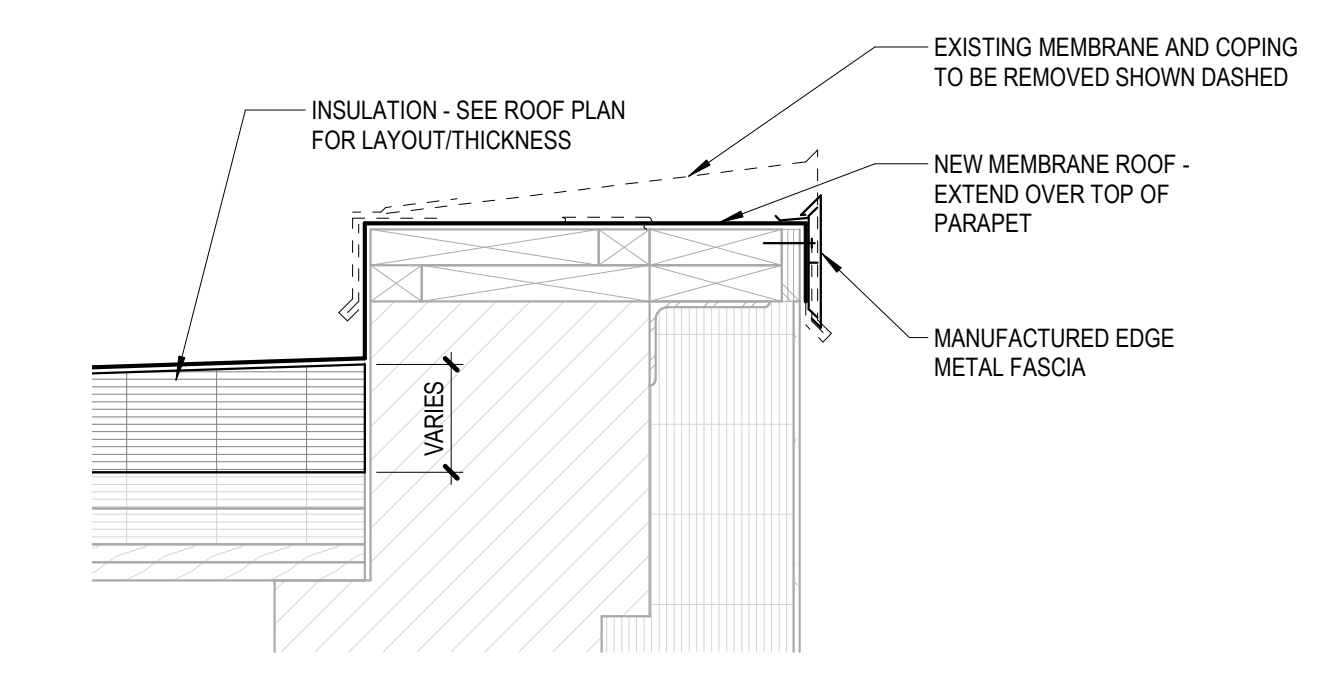
- NEW MEMBRANE ROOFING OVER NEW TAPERED INSULATION (1/8" PER FOOT) OVER EXISTING 3" INSULATION OVER SLOPED DECKING
- NEW MEMBRANE ROOFING OVER NEW 1.5" INSULATION OVER EXISTING 1.5" INSULATION OVER SLOPED DECKING
- INDICATES TAPERED CRICKET AT EQUIPMENT CURB
- ROOF WALKWAY PAD
- INDICATES THICKNESS OF NEW 1/8" PER FT TAPERED INSULATION ABOVE EXISTING BASE LAYER INSULATION
- EXISTING ROOF DRAIN TO REMAIN W/ 48"x48" FLAT SURROUND



ROOF PLAN
1/8" = 1'-0"



E4 GUTTER DETAIL
1 1/2" = 1'-0"



E3 PARAPET DETAIL (TYP.)
1 1/2" = 1'-0"

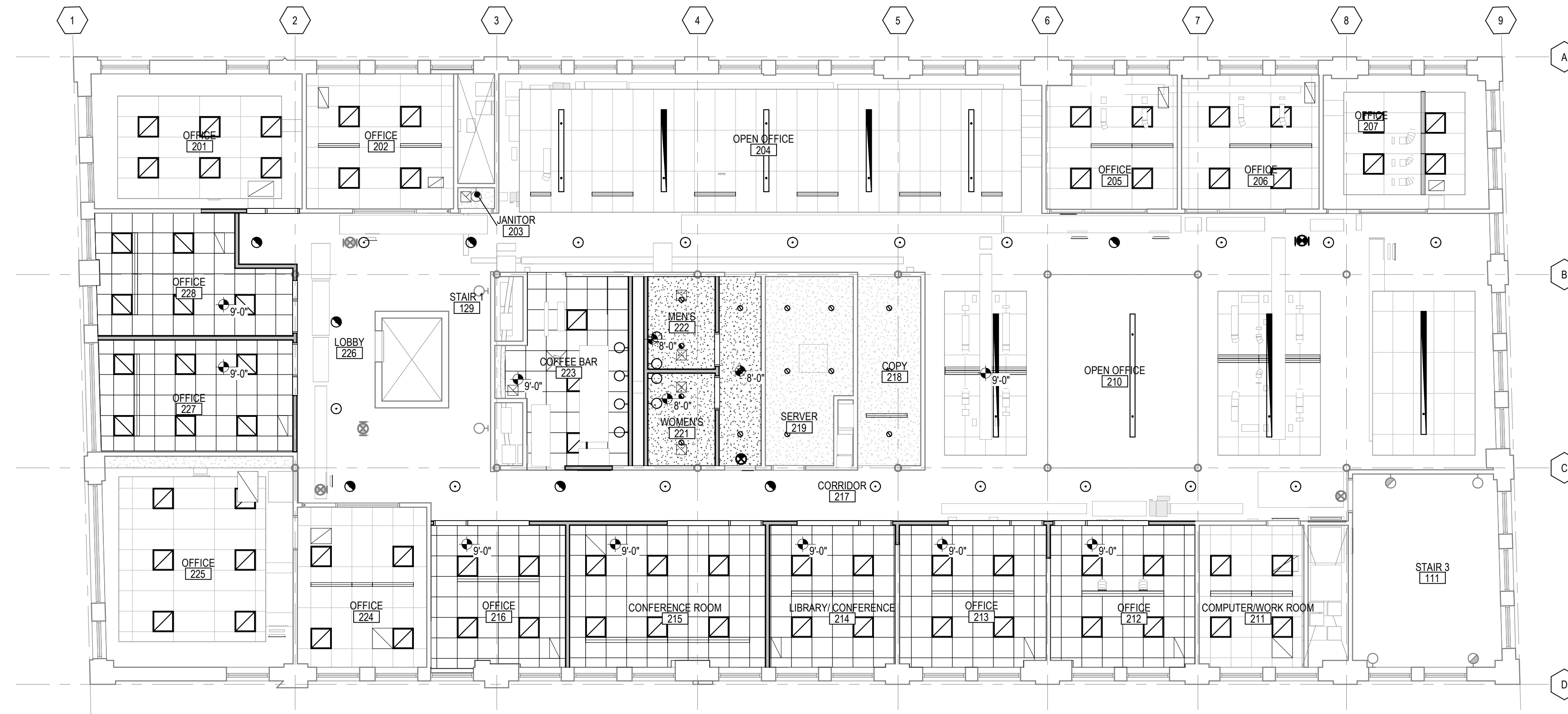
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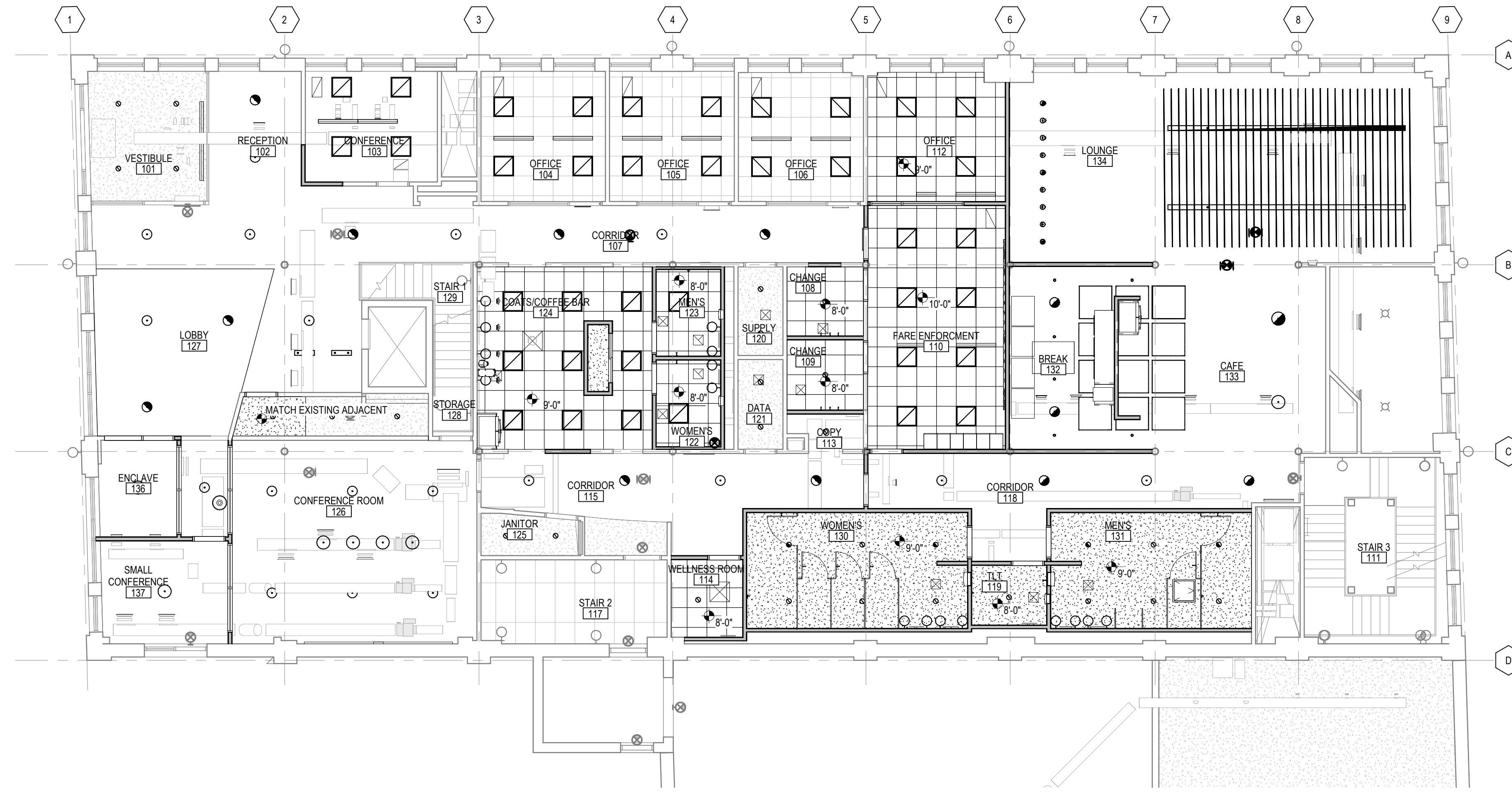
ISSUANCE
 BIDS AND PERMITS
 03/09/2023

REVISIONS
 NO. DATE DESCRIPTION

FILE NUMBER 55286044
 PROJECT MANAGER SH
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SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



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

REFLECTED CEILING PLAN LEGEND

- ALL CEILING GRIDS ARE TO BE CENTERED IN ROOM / AREA OR ALIGNED WITH ADJACENT ROOM / AREA AS INDICATED. UNLESS NOTED OTHERWISE.
- CEILING HEIGHTS INDICATED ARE DIMENSIONED FROM THE FINISHED FLOOR BELOW.
- ALL LIGHT FIXTURES, SPRINKLER HEADS, RETURN AIR GRILLES AND SUPPLY AIR GRILLES ARE TO BE LOCATED IN THE CENTER OF THE CEILING PAD, UNLESS NOTED OTHERWISE.
- COORDINATE MECHANICAL, ELECTRICAL AND FIRE PROTECTION TO ASSURE PROPER CLEARANCES AND LAYOUT.
- MECHANICAL, ELECTRICAL AND FIRE PROTECTION CONTRACTORS TO PROVIDE ACCESS PANELS IN CEILINGS AS REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE SIZE AND LOCATIONS OF ACCESS PANELS TO MINIMIZE QUANTITIES. CONTRACTOR IS REQUIRED TO PROVIDE LAYOUT TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION, UNLESS NOTED OTHERWISE.
- REFER TO FINISH SCHEDULE(S) FOR CEILING AND/OR EXPOSED STRUCTURE TO BE PAINTED.
- CAREFULLY REMOVE AND REINSTALL EXISTING ACOUSTIC CEILING PANELS AND GRIDS AS REQUIRED BY SCOPE OF WORK.

- EXPOSED (PAINTED PNT1)
- GYPSUM BOARD (PAINTED PNT1)
- 2X2 ACOUSTIC CEILING PANEL (AC-1)
- EXISTING GYPSUM BOARD
- EXISTING 2X2 ACOUSTIC CEILING PANEL
- EXISTING 2X4 ACOUSTIC CEILING PANEL
- ACOUSTIC CEILING BAFFLE (AC-1)
- RADIANT PANEL
- CEILING ACCESS PANEL OR ROOF HATCH
- RECESSED ROUND LIGHT FIXTURE (EMERGENCY FIXTURES SHADED)
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE
- FIRE EXIT SIGN LOCATION

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ISSUANCE
 BIDS AND PERMITS
 03/09/2023

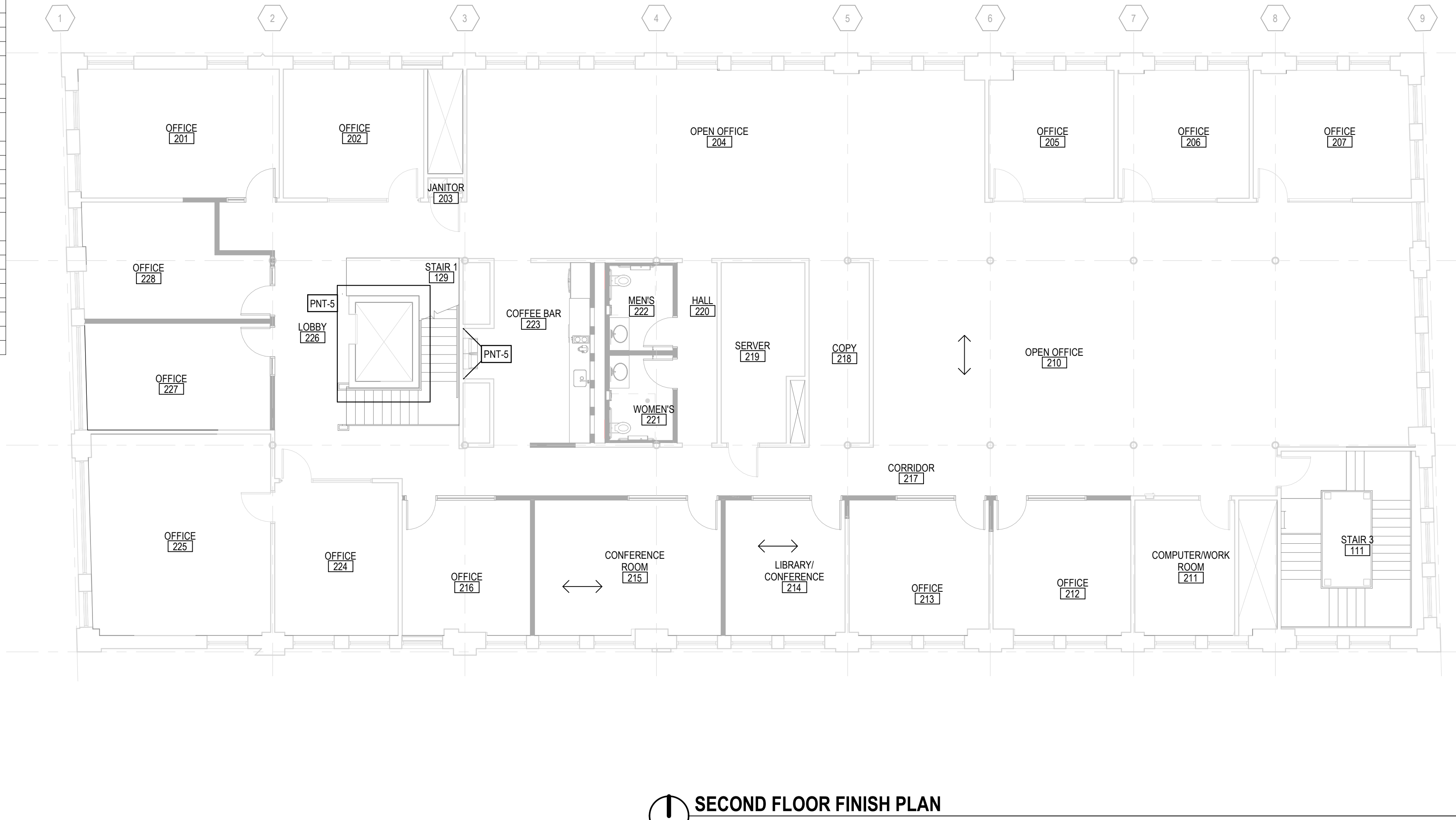
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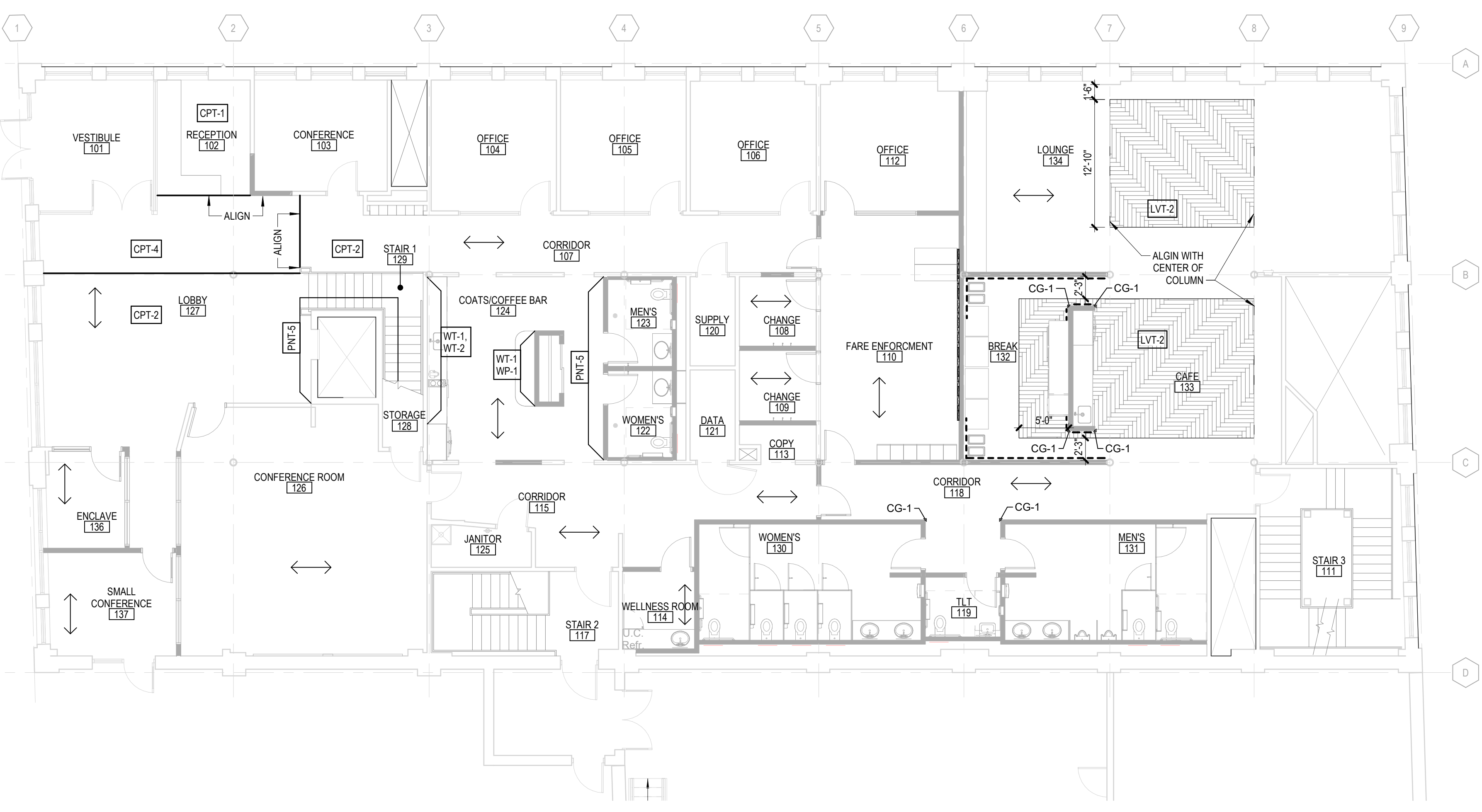
REFLECTED CEILING PLANS
A111

FINISH MATERIAL LIST							
MARK	TYPE	MANUFACTURER	STYLE / PATTERN / FINISH	SIZE	COLOR		NOTES
10 FLOORS							
CPT-1	CARPET TILE	MANNINGTON	FAN FOLD	24" X 24"	ELEPHANT	INSTALL ASH/LAR	
CPT-2	CARPET TILE	MANNINGTON	SUMMIT	12" X 24"	CREST	INSTALL 3 STEP VERTICAL ASH/LAR	
CPT-3	CARPET TILE	MANNINGTON	SWITCHBACK	12" X 48"	CREST	INSTALL 3 STEP VERTICAL ASH/LAR	
CPT-4	CARPET TILE	MANNINGTON	RECORSE II	24" X 24"	BYPASS BLACK	INSTALL QUARTER TURN	
LVT-1	LUXURY VINYL PLANK	MANNINGTON	SELECT	5" X 36"	HILLSIDE WALNUT PALOMINO		
LVT-2	LUXURY VINYL PLANK	MANNINGTON	SELECT	5" X 36"	VINTAGE WALNUT HAYWORTH		
PT-1	PORCELAIN TILE	CROSSVILLE	SHADES 2.0 / UPS	12" X 12"	INK	FROST	
TR-1	TRANSITION	SCHLUTER	SCHENE	24" X 24"	NON-ANODIZED ALUMINUM		
TR-2	REDUCER	BURKE	--	--	660 ROCKY		
20 BASE							
B-1	RUBBER BASE	BURKE	SIMPLICITY	4 1/2"	193 JET		
B-2	RUBBER BASE	BURKE	SIMPLICITY	4 1/2"	927 CLAY		
30 WALLS							
CG-1	CORNER GUARD	INFROCORP	160	8" X 2"	GALA		
HWP-1	VINYL WALL PROTECTION	BENJAMIN MOORE	--	--	WHITE WISP CC-54	CEILING AND WALLS ABOVE TRIM OR EXISTING PAINT TRANSITION	
PNT-1	PAINT	BENJAMIN MOORE	--	--	CASHMERE GRAY 2138-60		
PNT-2	PAINT	BENJAMIN MOORE	--	--	HALF MOON CREST 1471		
PNT-3	PAINT	SHERWIN WILLIAMS	--	--	RAINSTORM 6220		
PNT-4	PAINT	SHERWIN WILLIAMS	--	--	TOUCH OF GREY		
PNT-5	PAINT	SHERWIN WILLIAMS	--	--	DESIGNER WHITE MATTE		
WP-1	HPL FACED FRP	INDURO	--	--	TO MATCH HPL-2		
WT-1	CERAMIC TILE	AMERICAN OLEAN	COLOR STORY	4" X 16"	DESIGNER WHITE MATTE		
WT-2	CERAMIC TILE	IMAGINE TILE	ART OF THE BOARD	12" X 12"	COLOR		
WT-3	CERAMIC TILE	HAUSTILE	CENTERED LINES	12" X 12"	TIN		
WT-4	PORCELAIN TILE	CROSSVILLE	SHADES 2.0 TRIANGLE / UPS	12" X 12"	MIDNIGHT		
WT-5	PORCELAIN TILE	CROSSVILLE	SHADES 2.0 TRIANGLE / UPS	12" X 12"	FROST		
WT-6	CERAMIC TILE	AMERICAN OLEAN	COLOR STORY	2" X 8"	MATT SHADOW		
40 CEILING							
AC-1	ACOUSTIC CEILING PANEL	ARMSTRONG	CALLA HIGH NRC	--	WHITE		
AC-2	ACOUSTIC CEILING BAFFLE	TURF	TORRENT	--	50 IVORY		
50 CASEWORK							
HPL-1	LAMINATE	WILSONART	SOFTGRAIN	--	INDIGO		
HPL-2	LAMINATE	WILSONART	FINE VELVET	--	PINNACLE WALNUT		
QZ-1	QUARTZ	CAMBRIA	--	--	PORTRUSH		
QZ-2	QUARTZ	CAMBRIA	--	--	WHITE PLAINS		
SS-1	SOLID SURFACE	WILSONART	--	--	PEACE GRAY		
60 MISCELLANEOUS							
AP-1	ACOUSTIC WALL PANEL	TURF	FOLDED WALL TILE / HEX	13.5" X 11.69"	11 CELADON		
AP-2	ACOUSTIC WALL PANEL	TURF	FOLDED WALL TILE / HEX	13.5" X 11.69"	01 CREAM		
AP-3	ACOUSTIC WALL PANEL	TURF	FOLDED WALL TILE / HEX	13.5" X 11.69"	86 SLATE		
FAB-1	FABRIC	MAHARAM	SUNDARY	--	LANDFALL		
FAB-2	FABRIC	MAHARAM	LAREDO	--	FLUNT		
GT-1	GROUT	TEC	POWER GROUT	--	RAVEN	ALL TILE FLOORS	
GT-2	GROUT	TEC	POWER GROUT	--	SLATE	ALL TOILET ROOM WALLS	
GT-3	GROUT	TEC	POWER GROUT	--	STERLING	COATS/COFFEE, COFFEE, BREAK WALLS	

ROOM FINISH SCHEDULE													
NO.	ROOM	FLOORS			WALLS				CASEWORK		REMARKS		
		NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	CABINETS	COUNTER			
Not Floor													
116	CORRIDOR	CPT-2	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--				
ELLSWORTH FIRST													
101	VESTIBULE	CPT-4	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--				
102	RECEPTION	CPT-1	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	SS-1				
103	CONFERENCE	CPT-3	B-1	PNT-2	PNT-2	PNT-2, PNT-4	PNT-2	--	--		1		
104	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2, PNT-4	PNT-2	--	--		1		
105	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2, PNT-4	PNT-2	--	--		1		
106	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2, PNT-4	PNT-2	--	--		1		
107	CORRIDOR	CPT-2	B-1	PNT-2, PNT-4	PNT-3	PNT-3	PNT-3	--	--		1		
108	CHANGE	CPT-2	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
109	CHANGE	CPT-2	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
110	FARE ENFORCEMENT	CPT-2	B-1	PNT-2	PNT-2, AP-1, AP-2, AP-3	PNT-2	PNT-2	--	--		1		
112	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2, PNT-4	PNT-2	--	--		1		
113	COPY	LVT-1	B-2	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
114	WELLNESS ROOM	CPT-2	B-1	PNT-2	PNT-2	PNT-2	PNT-2	HPL-2	SS-1				
115	CORRIDOR	CPT-2	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
118	CORRIDOR	LVT-1	B-2	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
119	TLT	PT-1	--	WT-1	WT-1	WT-1, WT-3, WT-6	WT-1, WT-3, WT-6	HPL-2	QZ-2				
120	SUPPLY	LVT-1	B-2	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
122	WOMEN'S	PT-1	--	WT-1	WT-1	WT-1, WT-3, WT-6	WT-1, WT-3, WT-6	HPL-2	QZ-2				
123	MENS	PT-1	--	WT-1, WT-3, WT-6	WT-1	WT-1	WT-1, WT-3, WT-6	HPL-2	QZ-2				
124	COATS/COFFEE BAR	LVT-2	B-2	PNT-3	PNT-3, PNT-5, WT-1, WP-1	PNT-3	PNT-3	HPL-2	QZ-1				
126	CONFERENCE ROOM	CPT-3	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
127	LOBBY	CPT-2, CPT-4	B-1	PNT-3	PNT-3, PNT-5	PNT-3	PNT-3	--	--		1		
129	STAIR	PT-1	--	PNT-3, PNT-5	PNT-3, PNT-5	PNT-3, PNT-5	PNT-3, PNT-5	--	--		1		
130	WOMEN'S	PT-1	--	WT-1, WT-3, WT-6	WT-1	WT-1	WT-1, WT-3, WT-6	HPL-2	QZ-2				
131	MENS	PT-1	--	WT-1, WT-3, WT-6	WT-1	WT-1	WT-1, WT-3, WT-6	HPL-2	QZ-2				
132	BREAK	LVT-1, LVT-2	B-2	PNT-3	PNT-3	PNT-3	PNT-3	HPL-1	QZ-1				
133	CAFÉ	LVT-1, LVT-2	B-2	PNT-3	PNT-3	PNT-3	PNT-3, WT-5	HPL-1	QZ-1				
134	LOUNGE	LVT-1, LVT-2	B-2	PNT-3	PNT-3	PNT-3	PNT-3	WP-1					
136	ENCLAVE	CPT-3	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
137	SMALL CONFERENCE	CPT-3	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
ELLSWORTH SECOND													
201	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
202	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
204	OPEN OFFICE	CPT-2	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
205	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
206	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
207	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
210	OPEN OFFICE	CPT-2	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
211	COMPUTERWORK ROOM	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
212	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
213	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
214	LIBRARY/CONFERENCE	CPT-3	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
215	CONFERENCE ROOM	CPT-3	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
216	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
217	CORRIDOR	CPT-2	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
218	COPY	LVT-1	B-2	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
220	HALL	LVT-1	B-2	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
221	WOMEN'S	PT-1	--	WT-1	WT-1, WT-3, WT-6	WT-1	WT-1, WT-3, WT-6	HPL-2	QZ-2				
222	MENS	PT-1	--	WT-1, WT-3, WT-6	WT-1	WT-1	WT-1, WT-3, WT-6	HPL-2	QZ-2				
223	COFFEE BAR	LVT-2	B-2	PNT-3	PNT-3	PNT-3, PNT-5	HPL-2	QZ-1					
224	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
225	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
226	LOBBY	CPT-2	B-1	PNT-3	PNT-3	PNT-3	PNT-3	--	--		1		
227	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		
228	OFFICE	CPT-1	B-1	PNT-2	PNT-2	PNT-2	PNT-2	--	--		1		



2 SECOND FLOOR FINISH PLAN
1/8" = 1'-0"

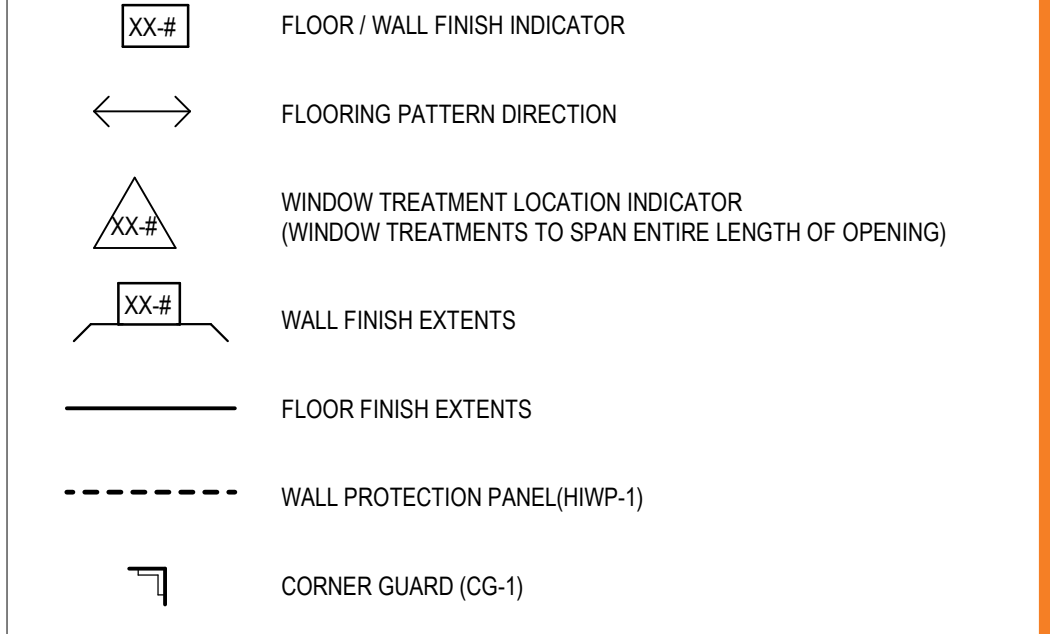


1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"

FINISH GENERAL NOTES

1. GENERAL
 - A. REPAIR ALL EXISTING MATERIALS SCHEDULED TO REMAIN, USING OWNERS' ATTIC STOCK, IF NO ATTIC STOCK EXISTS, USE NEW MATERIAL TO MATCH EXISTING.
2. FLOORING
 - A. INSTALL FLOORING MATERIAL IN DIRECTION INDICATED ON FINISH PLAN.
 - B. PROVIDE A CEMENTITIOUS COMPOUND BETWEEN FLOOR MATERIALS OF DIFFERENT THICKNESS. FEATHER FLOOR FOR SMOOTH TRANSITION.
 - C. USE TR-1 BETWEEN TILE / CARPET TILE / VINYL PLANK CARPET / VINYL PLANK.
 - D. USE TR-2 BETWEEN CARPET / CONCRETE, VINYL PLANK / CARPET.
3. WALLS
 - A. PAINT SPECIFIED WALL COLOR BELOW EXISTING TRIM OR PAINT TRANSITION LINE. PAINT SPECIFIED CEILING COLOR ABOVE.
 - B. INSTALL WALL PROTECTION PANELS TO 51 3/4" AFF. BUTT JOINT PANELS. COLOR MATCH CAULK AT SEAMS AND ALONG TOP EDGE.
4. EXPOSED COLUMNS
 - A. PAINT ALL EXPOSED COLUMNS. COLOR TO BE PNT-1.
5. BULKHEADS
 - A. PAINT BULKHEAD UNDERSIDES. COLOR TO BE PNT-1.
 - B. PAINT BULKHEAD FACE TO MATCH ADJACENT WALL COLOR.
6. DOORS AND FRAMES
 - A. PAINT ALL INTERIOR HOLLOW METAL DOOR FRAMES. COLOR TO BE MATCH ADJACENT WALL. EXCEPT WHERE OTHERWISE NOTED.
 - B. PAINT ALL INTERIOR HOLLOW METAL DOORS. COLOR TO BE MATCH ADJACENT WALL EXCEPT WHERE OTHERWISE NOTED.
 - C. PAINT EXTERIOR HOLLOW METAL DOORS
 - a. INTERIOR COLOR TO BE MATCH ADJACENT WALL EXCEPT WHERE OTHERWISE NOTED.
 - D. FRAME COLOR TRANSITION TO TAKE PLACE AT INSIDE CORNER OF STOP ON DOOR SIDE.
7. DIFFUSERS AND COVERS
 - A. PAINT WALL DIFFUSER AND AIR GRILLE COVERS TO MATCH ADJACENT WALL.

FINISH PLAN LEGEND



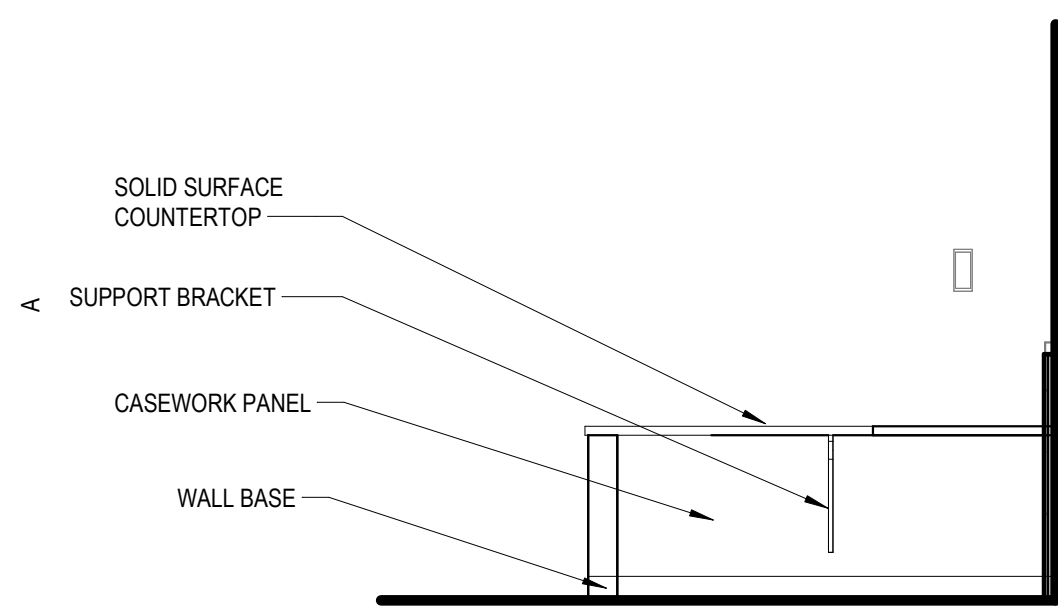
FINISH REMARKS

1. PAINT HOLLOW METAL DOORS AND FRAMES AT OFFICES AND CONFERENCE ROOMS PNT-4 ON BOTH SIDES.

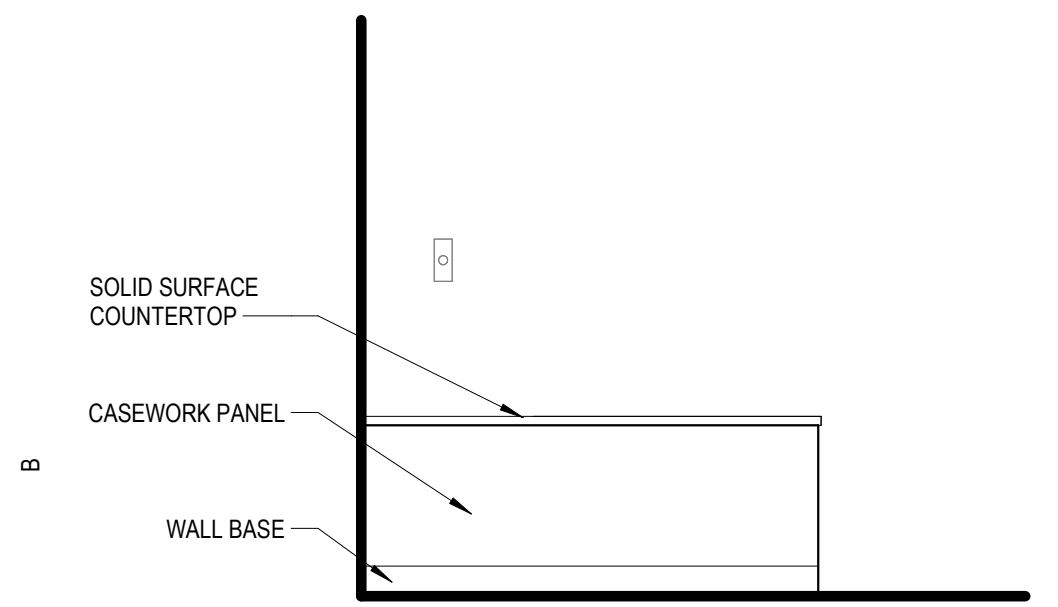
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ISSUANCE
 BIDS AND PERMITS
 03/09/2023
REVISIONS
 NO. DATE DESCRIPTION
 FILE NUMBER 55286044
 PROJECT MANAGER SH
 PROFESSIONAL MPS
 DRAWN BY MPS
 CHECKED BY EB
FINISH PLANS AND SCHEDULES
A121

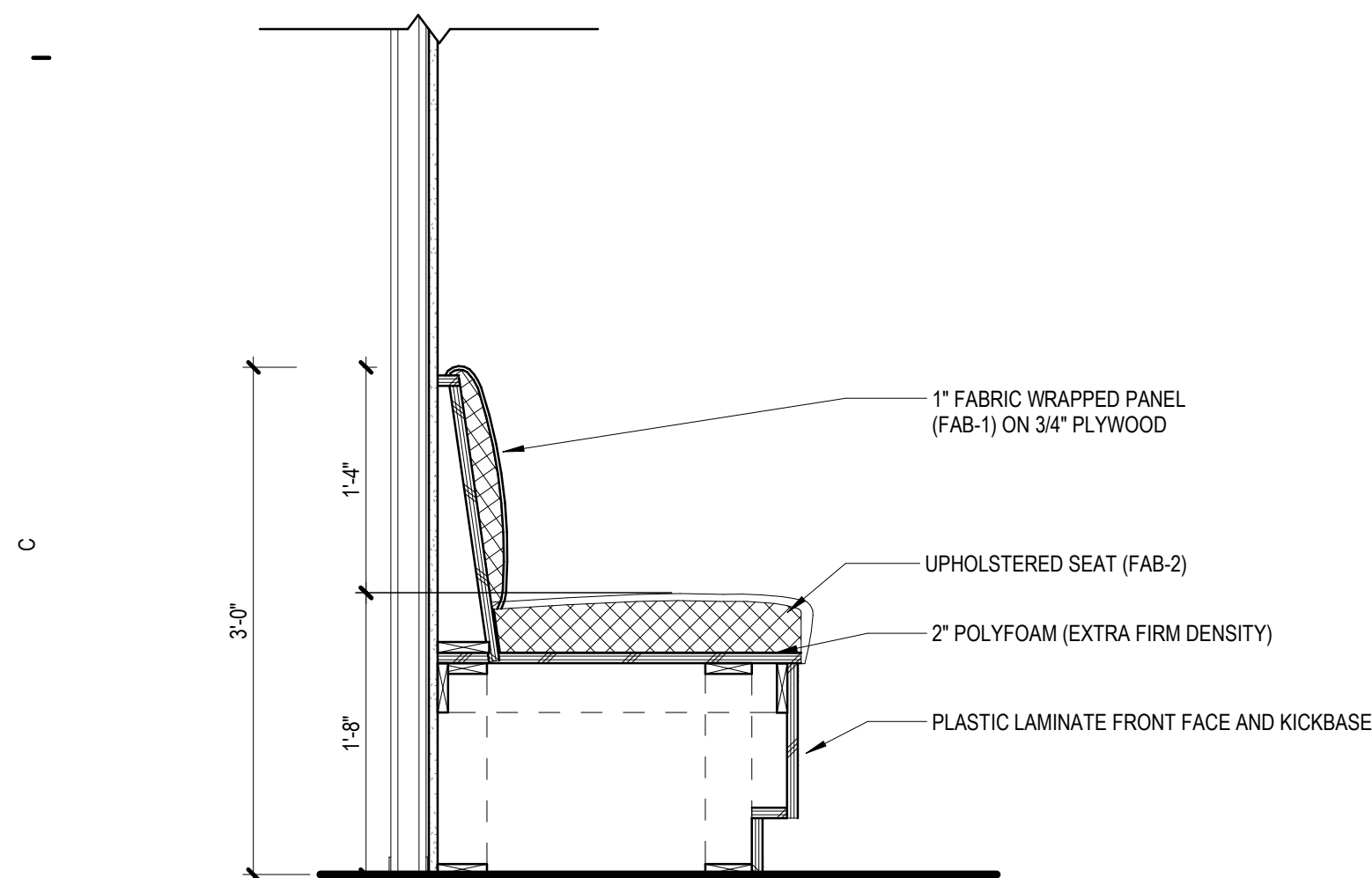
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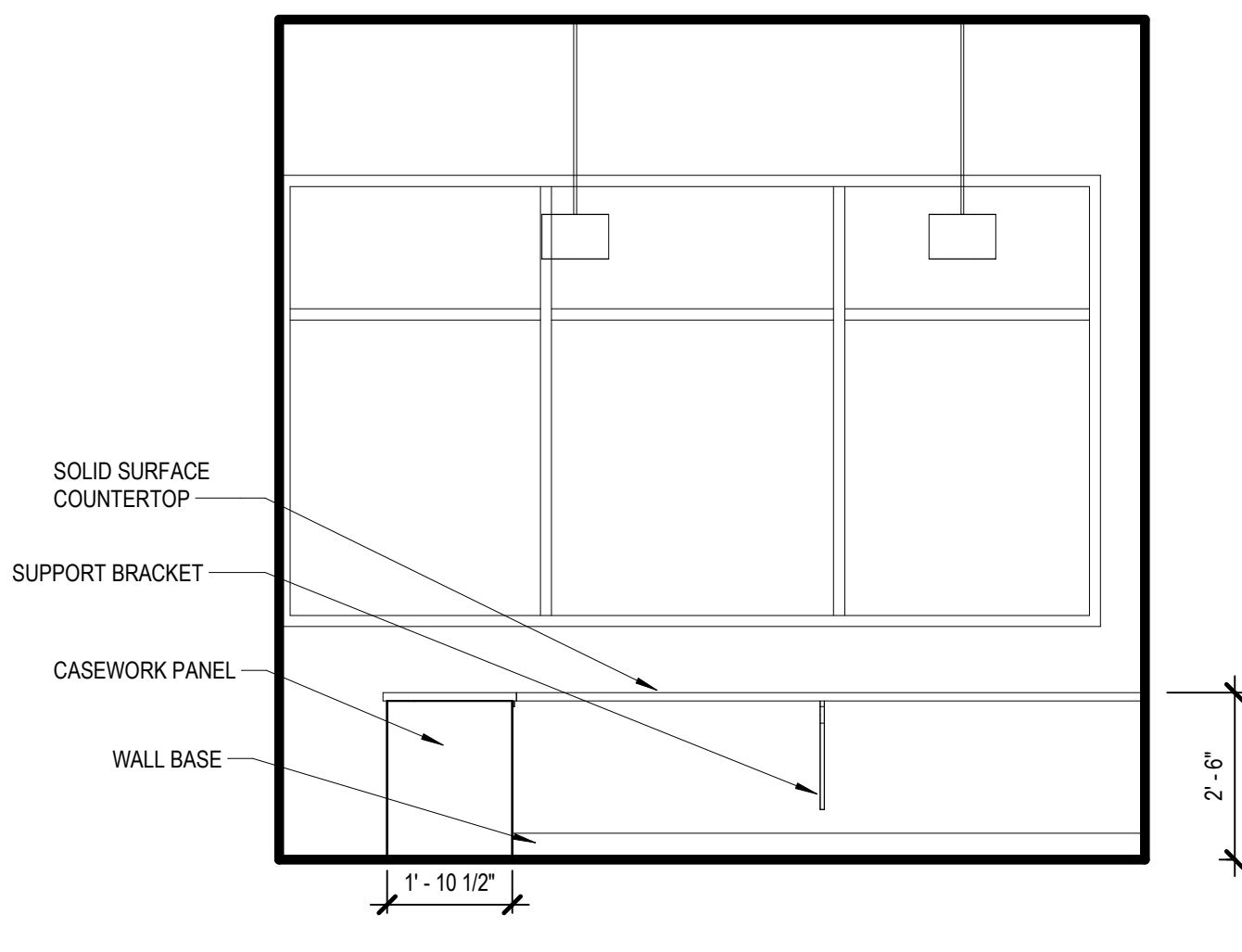
A7 RECEPTION
3/8" = 1'-0"



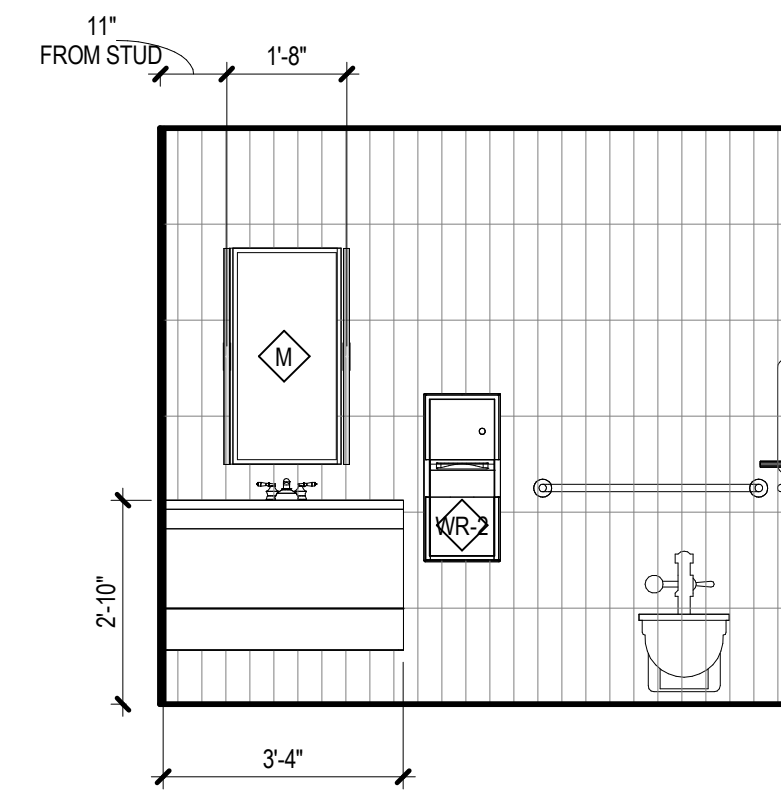
B7 RECEPTION
3/8" = 1'-0"



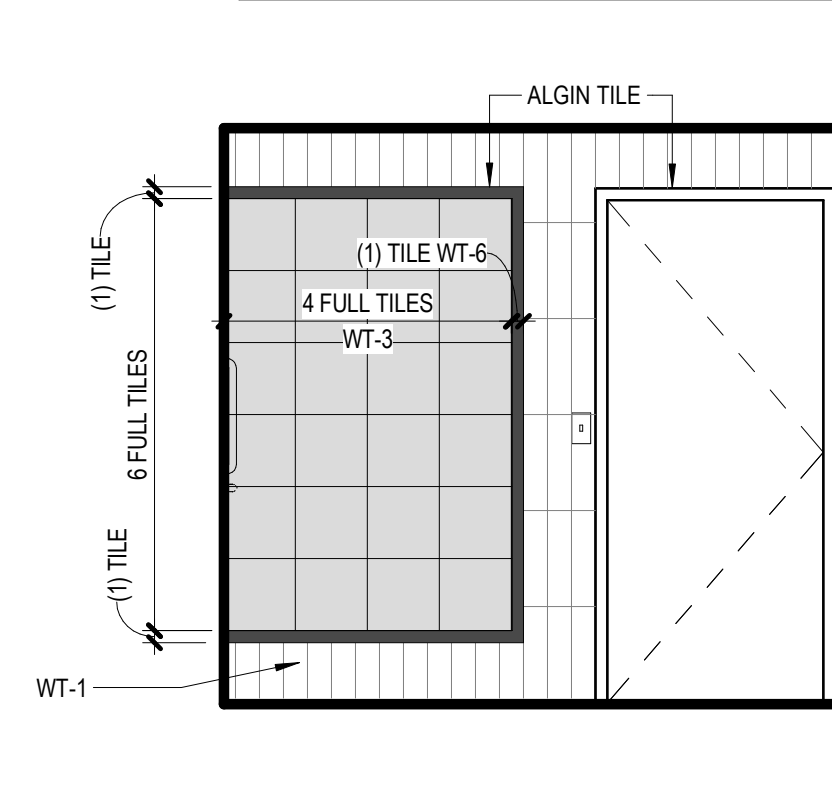
C7 LOBBY BENCH DETAIL
1" = 1'-0"



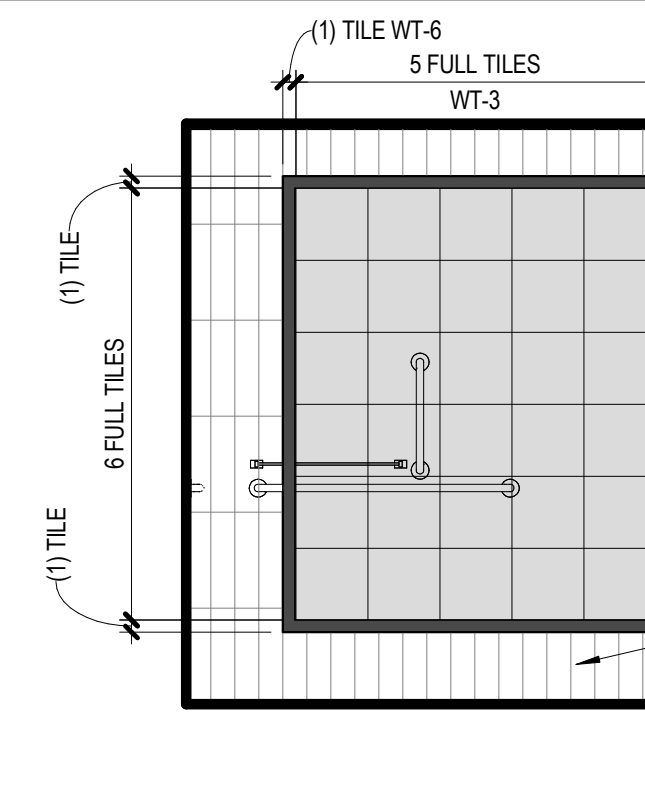
C6 RECEPTION
3/8" = 1'-0"



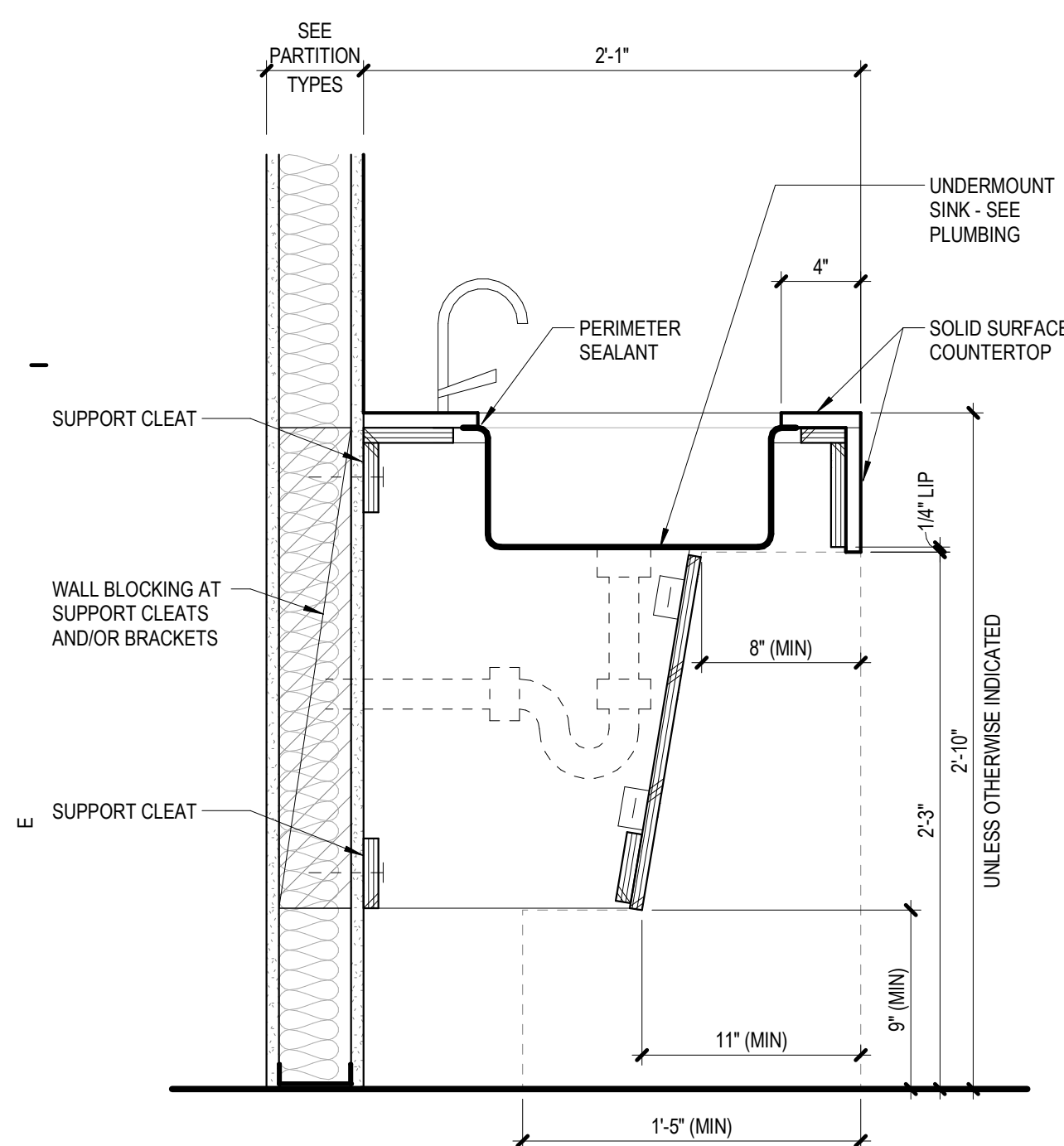
C5 WOMENS
3/8" = 1'-0"



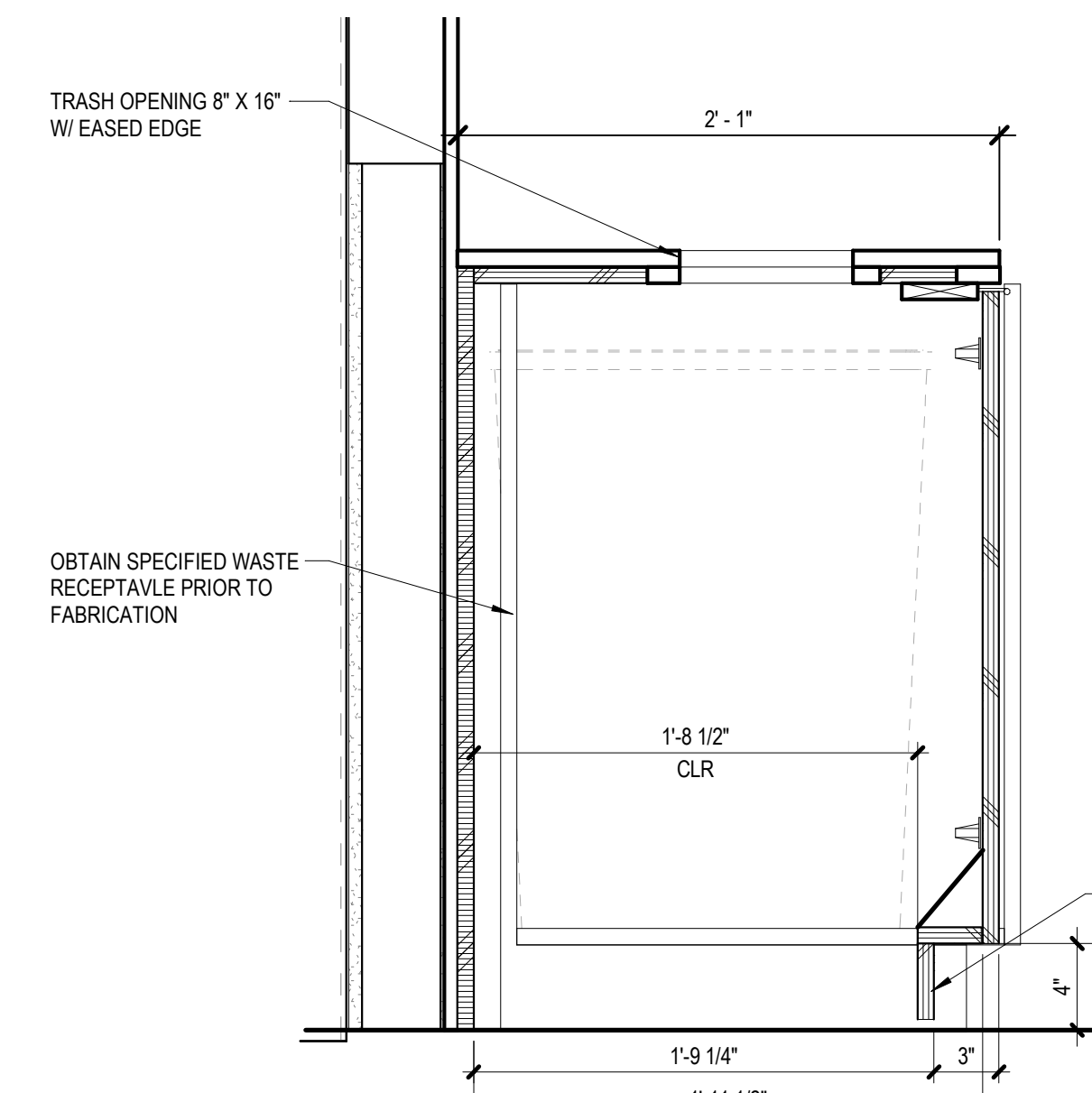
C4 WOMENS
3/8" = 1'-0"



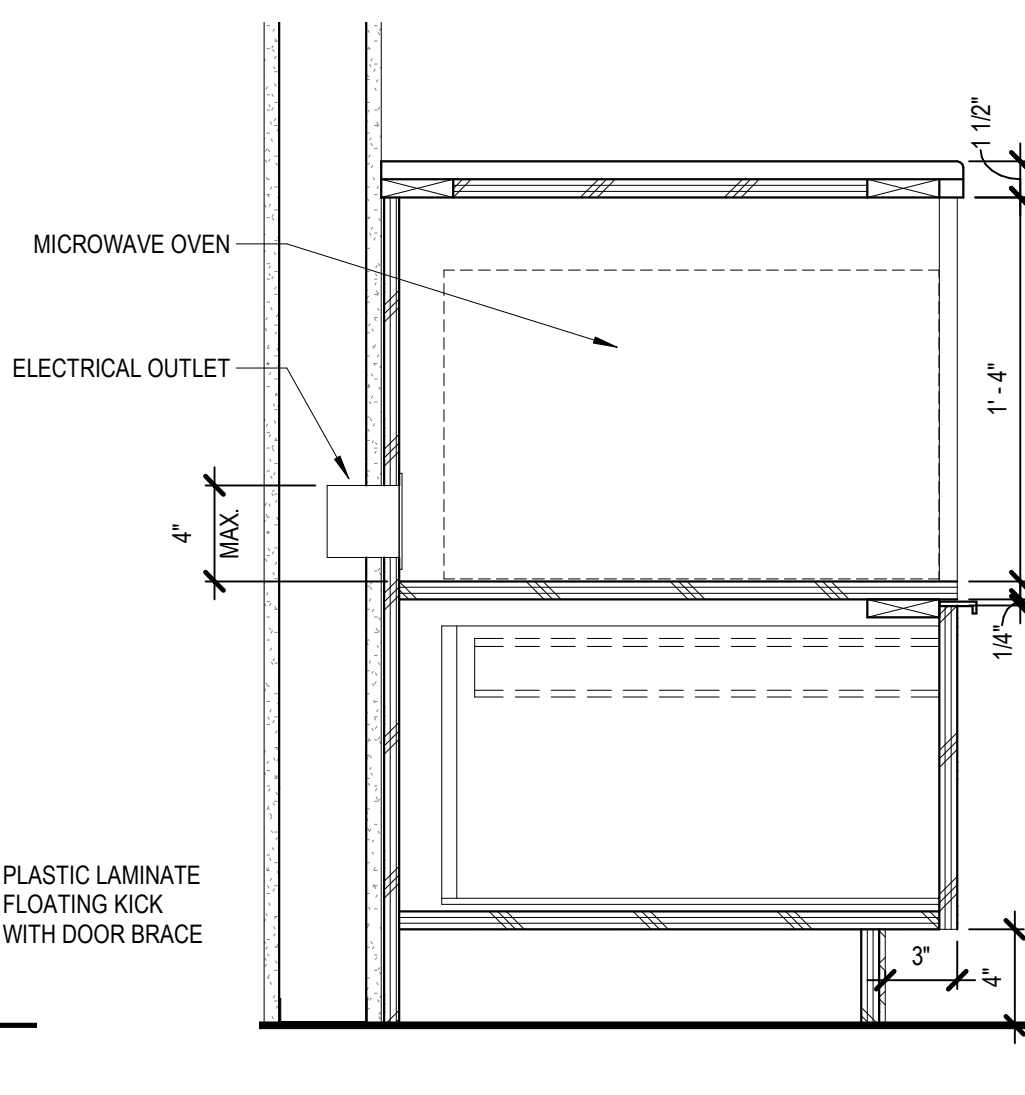
C3 WOMENS
3/8" = 1'-0"



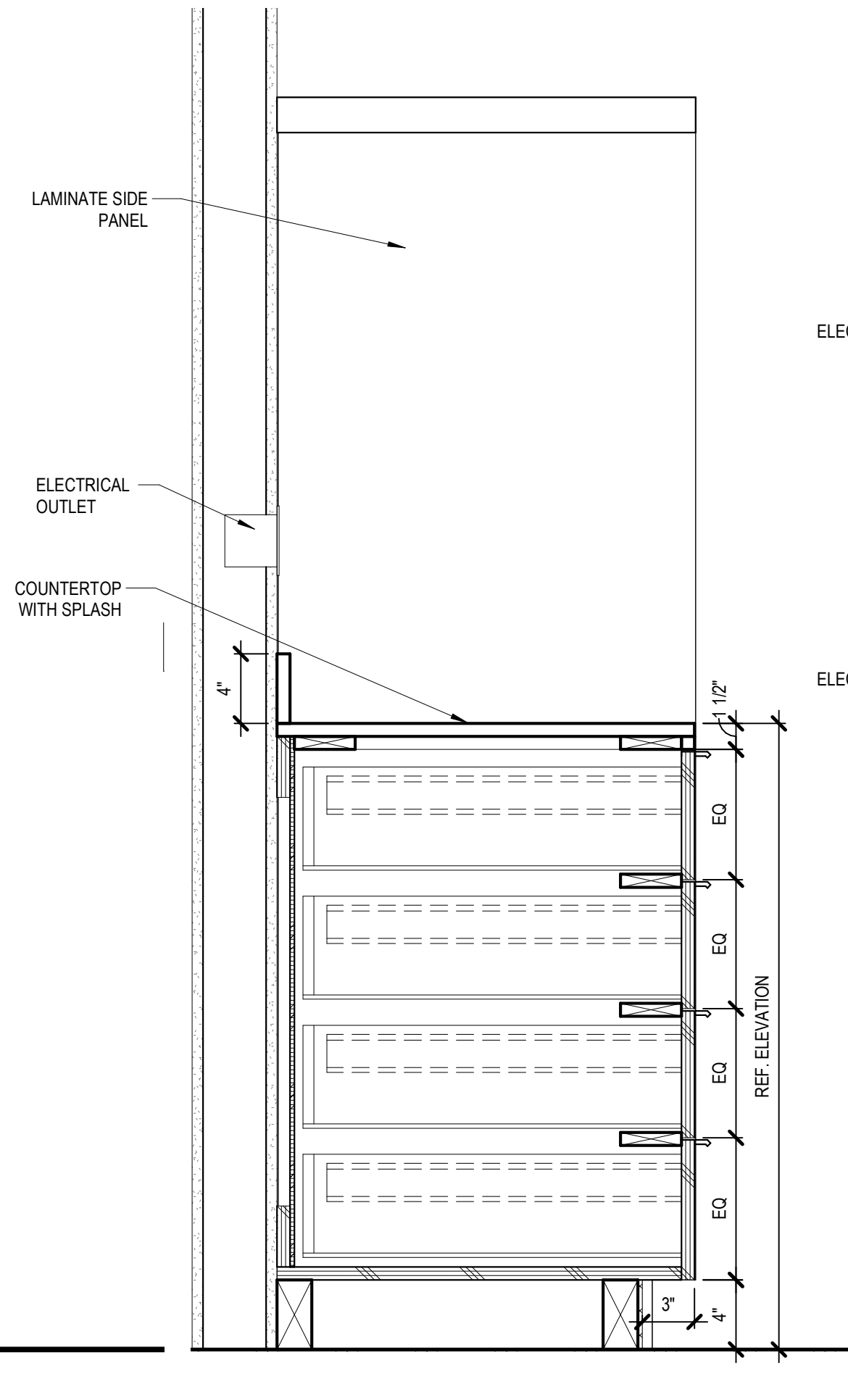
E7 TYPICAL SINK BASE DETAIL
1 1/2" = 1'-0"



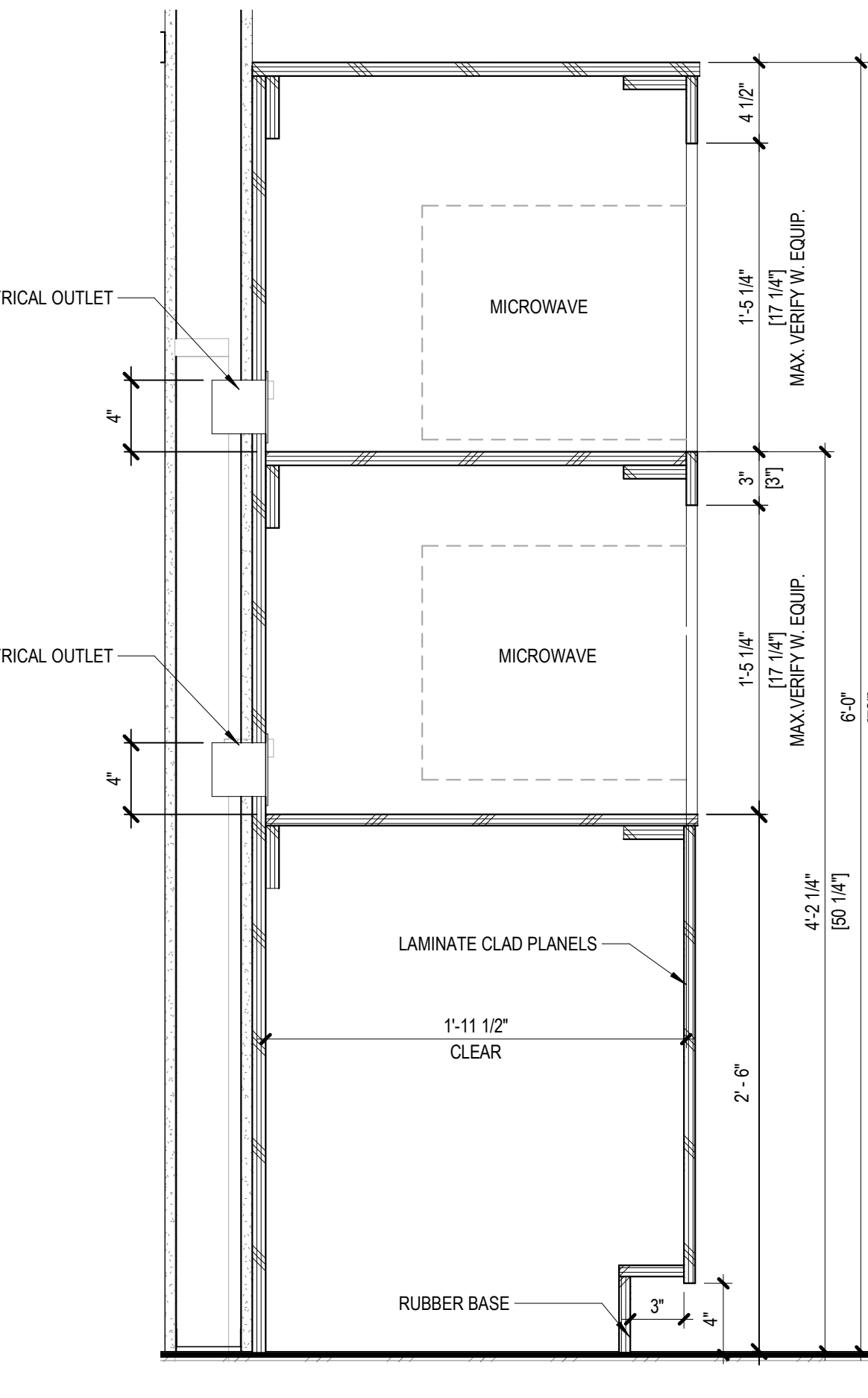
E6 TRASH CABINET
1 1/2" = 1'-0"



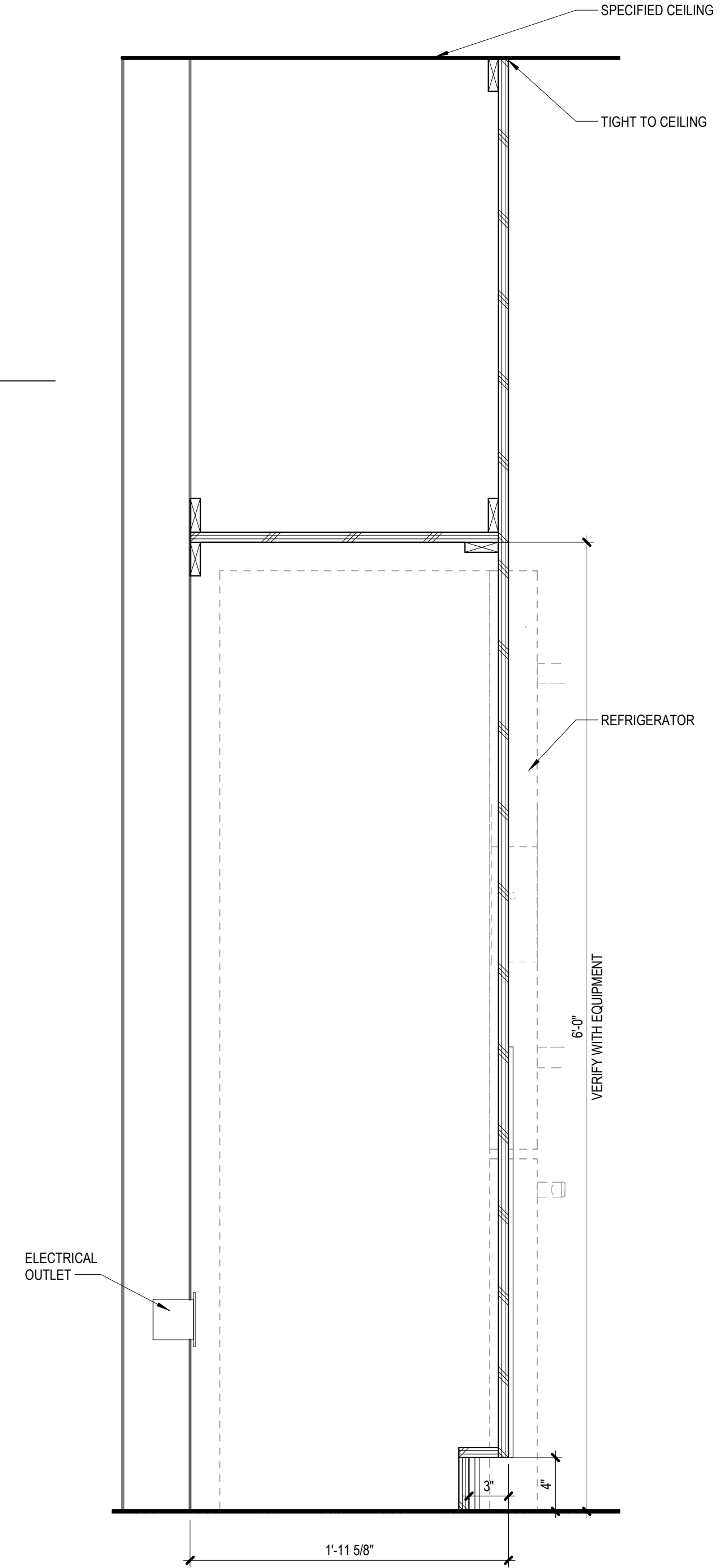
E5 CASEWORK SECTION
1 1/2" = 1'-0"



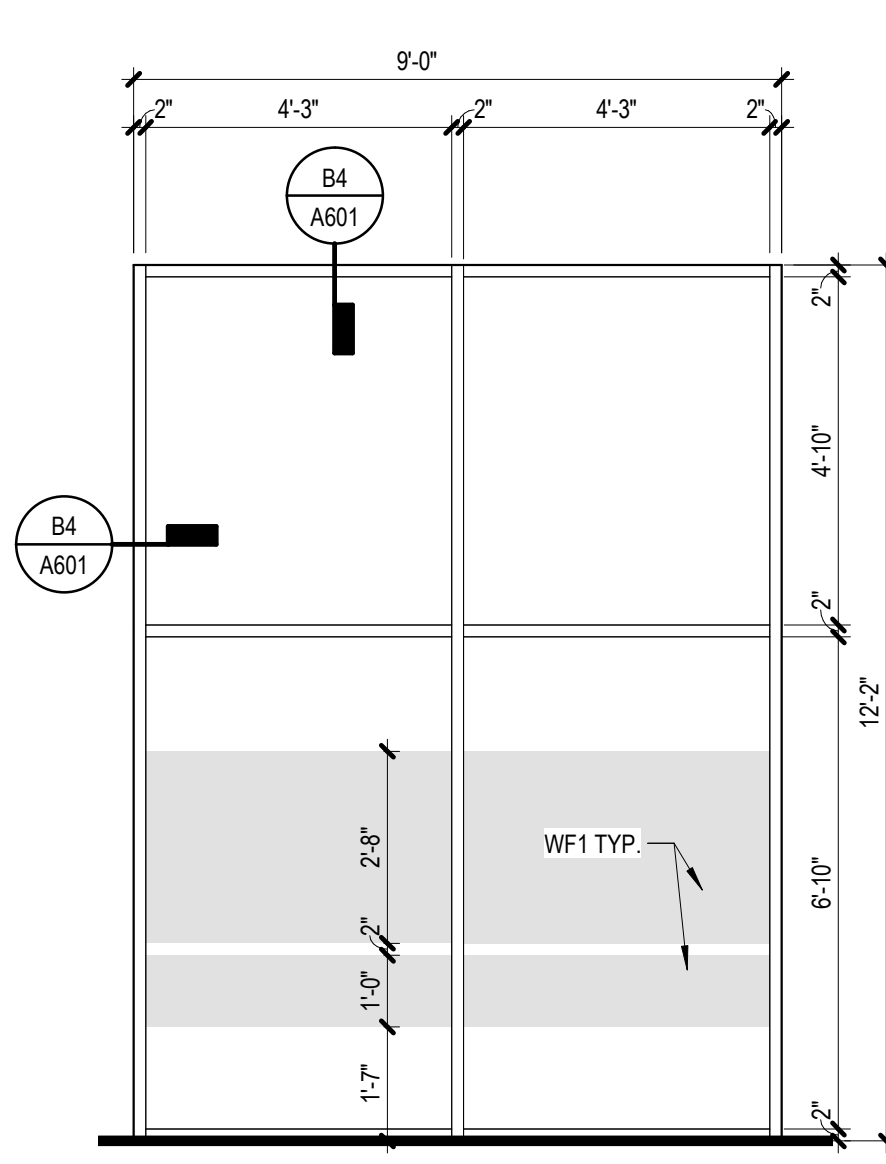
E4 CASEWORK SECTION
1 1/2" = 1'-0"



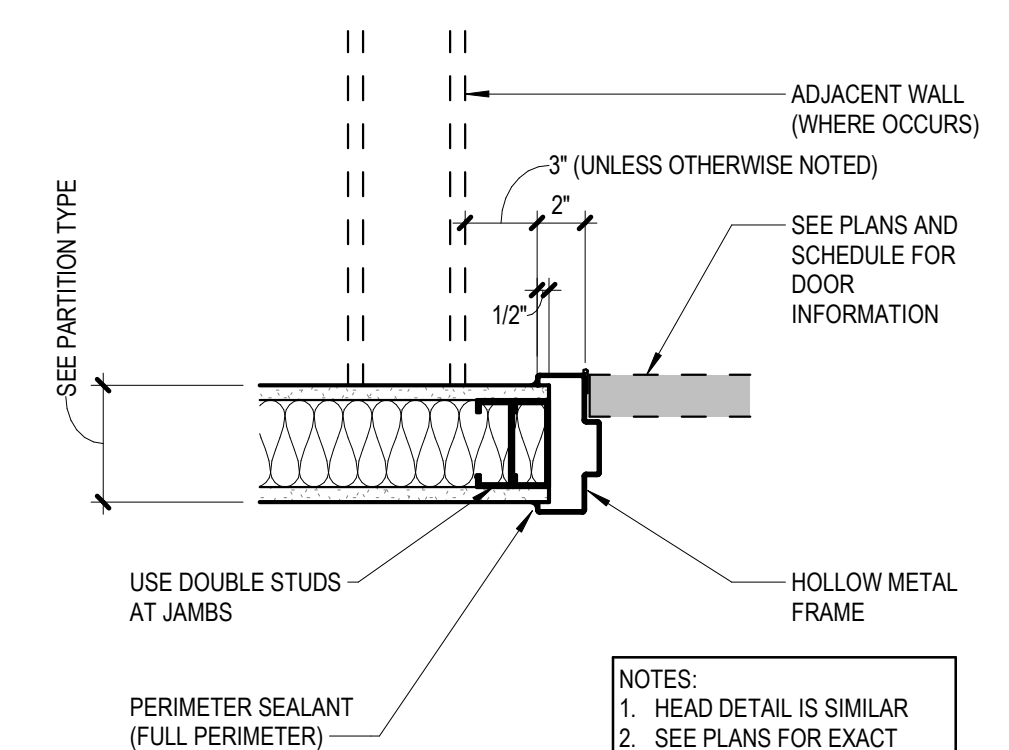
E3 CASEWORK SECTION
1 1/2" = 1'-0"



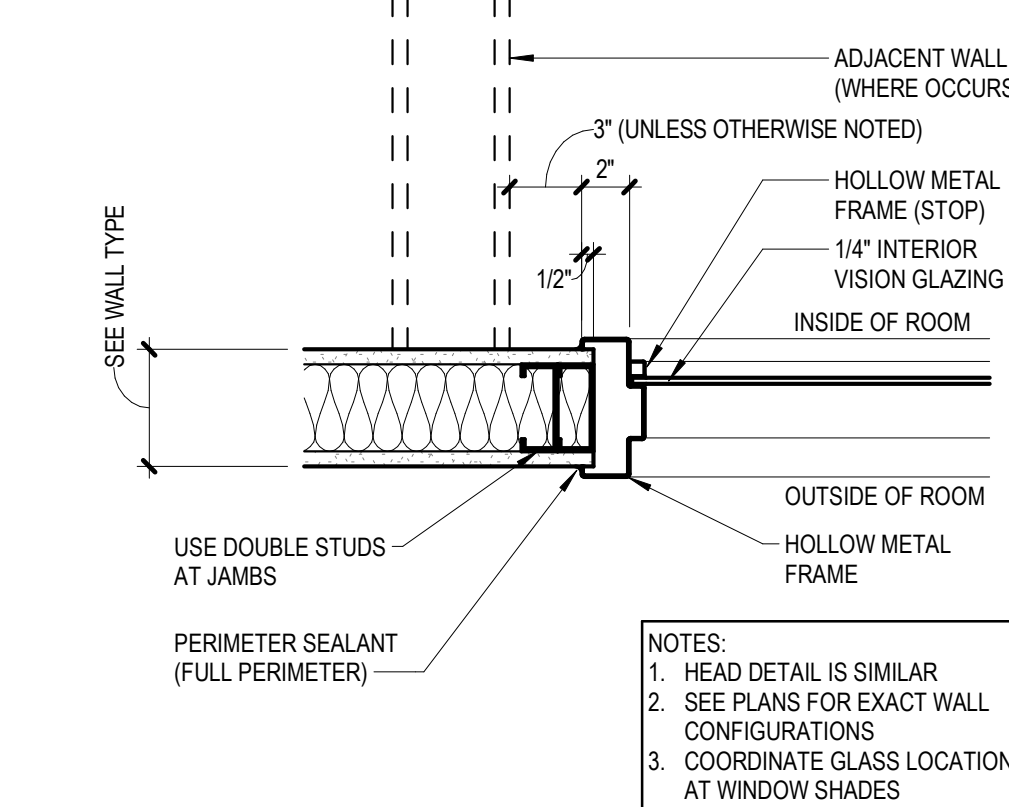
E2 CASEWORK SECTION
1 1/2" = 1'-0"



A5 HM BORROWED LITE
3/8" = 1'-0"



A4 INTERIOR HOLLOW METAL FRAME
1 1/2" = 1'-0"



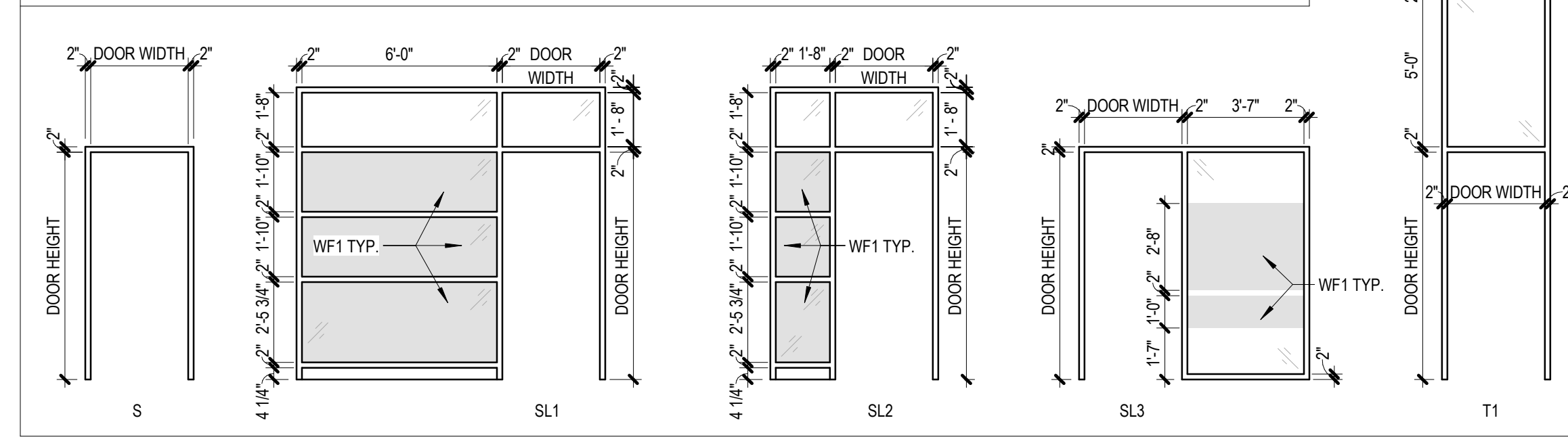
B4 INTERIOR HOLLOW METAL FRAME WINDOW
1 1/2" = 1'-0"

DOOR SCHEDULE

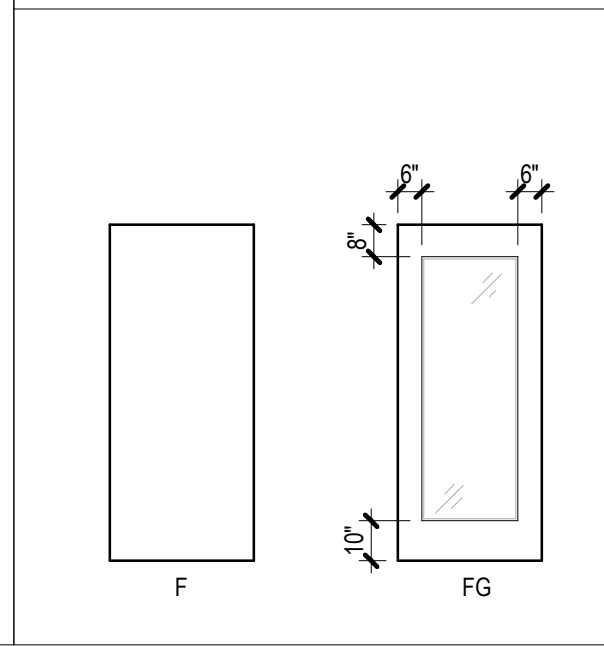
MARK	ROOM NAME	DOOR			FRAME		DETAILS		NOTES
		WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	HEAD	JAMB	
ELLSWORTH FIRST									
107	FARE ENFORCEMENT	3'-0"	7'-0"	FG	WD	S	HM	A4	CARD ACCESS FROM CORRIDOR 107
108	CHANGE	3'-0"	7'-0"	F	WD	S	HM	A4	
109	CHANGE	3'-0"	7'-0"	F	WD	S	HM	A4	
110	FARE ENFORCEMENT	3'-0"	7'-0"	F	WD	S	HM	A4	CARD ACCESS FROM CORRIDOR 118
112	OFFICE	3'-0"	7'-0"	F	WD	SL1	HM	A4	CARD ACCESS FROM FARE ENFORCEMENT
114	WELLNESS ROOM	3'-0"	7'-0"	F	WD	S	HM	A4	
118	CORRIDOR	3'-0"	7'-0"	FG	WD	S	HM	A4	CARD ACCESS FROM CORRIDOR 118
119	TLT	3'-0"	7'-0"	F	WD	S	HM	A4	
122	WOMENS	3'-0"	7'-0"	F	WD	S	HM	A4	
123	MENS	3'-0"	7'-0"	F	WD	S	HM	A4	
124	COATS/COFFEE BAR	5'-0"	7'-0"	F	WD	S	HM	A4	SLIDING CLOSET DOOR
126	CONFERENCE ROOM	3'-0"	7'-0"	F	WD	S	HM	A4	
130	WOMENS	3'-0"	7'-0"	F	WD	S	HM	A4	
131	MENS	3'-0"	7'-0"	F	WD	S	HM	A4	
136	ENCLAVE	3'-0"	7'-0"	FG	WD	SL3	HM	A4	DOOR LITE FILM TO MATCH SL3 SIDELITE FILM
137	SMALL CONFERENCE	3'-0"	7'-0"	FG	WD	T1	HM	A4	DOOR LITE FILM TO MATCH SL3 SIDELITE FILM
E103	CONFERENCE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS
E104	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS
E105	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS
E106	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS
ELLSWORTH SECOND									
201	OFFICE	3'-0"	7'-0"	F	WD	SL2	HM	A4	
212	OFFICE	3'-0"	7'-0"	F	WD	SL1	HM	A4	
213	OFFICE	3'-0"	7'-0"	F	WD	SL1	HM	A4	
214	LIBRARY CONFERENCE	3'-0"	7'-0"	F	WD	SL1	HM	A4	
215	CONFERENCE ROOM	3'-0"	7'-0"	F	WD	SL1	HM	A4	
216	OFFICE	3'-0"	7'-0"	F	WD	SL1	HM	A4	
221	WOMENS	3'-0"	7'-0"	F	WD	S	HM	A4	
222	MENS	3'-0"	7'-0"	F	WD	S	HM	A4	
227	OFFICE	3'-0"	7'-0"	F	WD	SL2	HM	A4	
228	OFFICE	3'-0"	7'-0"	F	WD	SL2	HM	A4	
E202	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS
E205	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - CONVERT TO PASSAGE
E206	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - CONVERT TO PASSAGE
E207	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - CONVERT TO PASSAGE
E210	STAIR 3	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS FROM STAIR 3
E224	OFFICE	3'-0"	7'-0"	WD	WD		HM		EXISTING DOOR - NEW CARD ACCESS

SALVAGED DOOR PANEL NOTE: REFER TO DEMOLITION PLAN(S) FOR LOCATIONS OF EXISTING WOOD DOORS TO BE REMOVED AND SALVAGED FOR POTENTIAL RE-USE. THESE WOOD DOOR PANELS SHALL BE ASSESSED FOR RE-USE AT NEW OPENINGS SHOWN IN DOOR SCHEDULE ABOVE. BASE BID SHALL INCLUDE ALL NEW DOOR PLANS AND ALTERNATE PRICE FOR THE RE-USE OF EXISTING DOOR PANELS. ALTERNATE PRICE SHALL INCLUDE WORK ASSOCIATED WITH RE-WORK FOR NEW HARDWARE.

FRAME TYPES



DOOR TYPES



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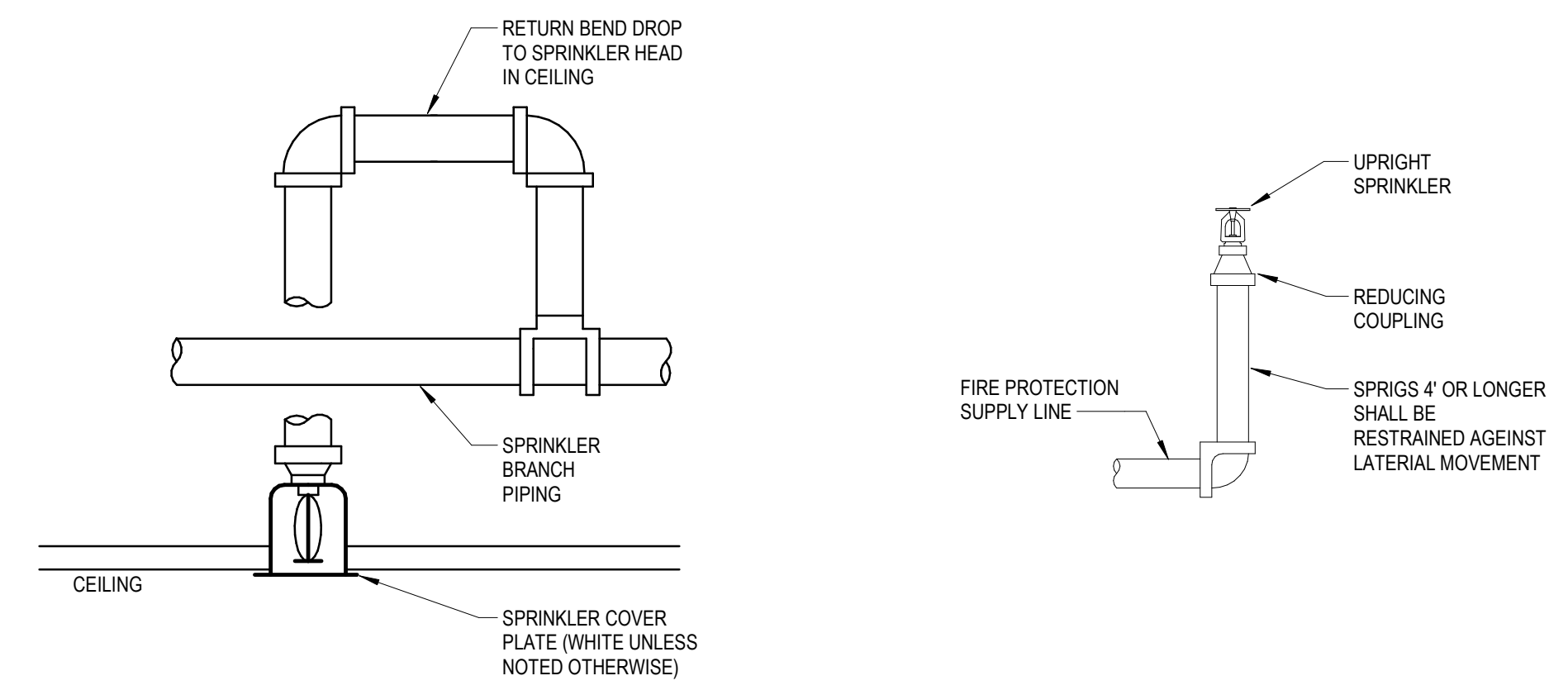
ISSUANCE
BIDS AND PERMITS
03/09/2023

REVISIONS
NO. DATE DESCRIPTION

FILE NUMBER 52286044
PROJECT MANAGER SH
PROFESSIONAL MPS
DRAWN BY JB
CHECKED BY EB

FIRE SPRINKLER GENERAL NOTES

- ALL ROOMS/AREAS PART OF THIS REMODEL PROJECT ARE CURRENTLY SPRINKLED. THIS CONTRACTOR SHALL BE RESPONSIBLE TO MODIFY THE EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED DUE TO CHANGES IN WALLS, CEILINGS, LIGHTING AND HVAC. ALL ROOMS/AREAS WITHIN THE BOUNDARY OF THIS REMODEL SHALL BE SPRINKLED. ALL NEW WORK SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, STATE CODES, LOCAL CODES AND LOCAL ORDINANCES. ALL COMPONENTS SHALL BE UL LISTED AND FM APPROVED.
- EXISTING SPRINKLERS WILL REMAIN IF THEY ARE NOT REQUIRED TO BE MOVED. NEW SPRINKLER LOCATIONS WILL REQUIRE NEW SPRINKLER HEADS. NO REALLOCATIONS REQUIRING RE-THREADING HEAD INTO NEW DROP PIPE ARE ALLOWED ON THIS PROJECT.
- PROVIDE ALL NECESSARY OFFSETS, RISERS OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS.
- EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, ETC.
- ARCHITECTURAL, HVAC AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE PROPER DRAWINGS FOR EXACT LOCATIONS, SIZES AND QUANTITIES OF OTHER TRADES' WORK.
- AUTOCAD (DWG) FILES WILL BE MADE AVAILABLE TO THE SUCCESSFUL FIRE SPRINKLER CONTRACTOR IN ELECTRONIC FORMAT ON REQUEST.
- SYSTEM MODIFICATIONS SHALL BE DESIGNED AND SIZED HYDRAULICALLY IN ACCORDANCE WITH NFPA 13, OWNERS INSURER, AND ALL STATE AND LOCAL CODES AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION.
- ALL NEW SYSTEM PIPING SHALL BE INSTALLED TO ALLOW DRAINAGE BACK TO THE SYSTEM RISERS WHEN POSSIBLE. WHERE IMPRACTICAL, AUXILIARY DRAINS SHALL BE INSTALLED AND DRAINED TO AN ACCEPTABLE LOCATION AS AGREED TO BY THE OWNER AND ENGINEER. EXISTING DRAINS SHALL REMAIN.
- COORDINATE SPRINKLER HEAD LOCATIONS AND PIPE ROUTING WITH OTHER TRADES TO AVOID INTERFERENCE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND THE MECHANICAL AND ELECTRICAL PLANS FOR LOCATIONS OF CEILINGS, DIFFUSERS, LIGHTS AND OTHER CEILING ORNAMENTATION.
- ALL MAINS RUNNING PARALLEL WITH BUILDING JOISTS/BEAMS SHALL BE HUNG USING HANGERS ATTACHED TO SUPPORTING STEEL SUPPORTED AT UPPER PANEL POINTS OF JOISTS AND IN ACCORDANCE WITH NFPA STANDARDS.
- REFER TO GENERAL AND SUPPLEMENTAL CONDITIONS OF BID INSTRUCTIONS FOR CUTTING AND PATCHING OF WALLS AND ROOFS. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ALL PENETRATIONS REQUIRED TO COMPLETE THE WORK. SEE MECHANICAL SPECIFICATIONS FOR PIPE SEALS, WATERPROOFING AND SLEEVES, AND ESCUTCHEON REQUIREMENTS.
- REFER TO SPECIFICATION FOR SPRINKLER TYPES, WHERE CEILINGS ARE PRESENT. STANDARD SPRINKLER TO BE CONCEALED HEAD WITH WHITE COVER PLATE, CENTERED ON CEILING PAD, UNLESS OTHERWISE INDICATED ON PLANS OR IN SPECIFICATION.
- ALL FIRE PROTECTION PIPING SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13, THREADING OF LIGHT WALL PIPING (LESS THAN SCHEDULE 40) SHALL BE PROHIBITED. OUTLETS AND TEES BEING APPLIED TO EXISTING PIPING MUST BE OF THE WELDED, THREADED, OR GROOVED DESIGN. "TAP-ON" TYPE TEES THAT ARE NOT FULL CIRCUMFERENCE, BOLTED TYPE CONNECTIONS WILL NOT BE ALLOWED.
- ALL SPRINKLERS SHALL BE UL LISTED AND FM APPROVED FOR THE INTENDED APPLICATION WHEN APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S LISTINGS. SPRINKLERS SHALL BE GLASS BULB TYPE AND SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13.
- REFER TO ARCHITECTURAL DRAWINGS, SPECIFICALLY WALL SECTIONS AND REFLECTED CEILING PLANS. THE CONTRACTOR SHALL ROUTE NEW FIRE SPRINKLER PIPING AT ELEVATION EQUAL TO EXISTING, COORDINATING WITH NEW AND EXISTING DUCTWORK, PLUMBING AND ELECTRICAL CONDUIT. DESIGN INTENT IS FOR FP PIPING TO ROUTE AROUND EXISTING MECHANICAL CONDITIONS.



B3 SPRINKLER PIPING DETAIL
NOT TO SCALE

B2 TYPICAL SPRIG PIPING DETAIL
NOT TO SCALE

FIRE SPRINKLER DESIGN CRITERIA

CLASSIFICATION:	LIGHT HAZARD
DENSITY:	0.10 GPM/SQ FT
TYPICAL OPERATING AREA:	1,500 SQ. FT.
TYPICAL SPRINKLER SPACING:	25 SQ. FT. MAX.
TEMPERATURE RATING:	165°F

- GENERAL INSTALLATION NOTES:**
- THE AWARDED FPIC SHALL BE RESPONSIBLE TO ORDER A NEW WATER FLOW TEST IF EXISTING DATA TAKEN WITHIN THE LAST YEAR IS NOT AVAILABLE.
 - DESIGN CALCULATIONS FOR NEW SPRINKLERS SHALL ALLOW FOR 10 PERCENT SAFETY FACTOR.
 - EXISTING FIRE DEPARTMENT CONNECTIONS AND HOSE REELS SHALL REMAIN.
 - CLASSIFICATION PERTAINS TO BOTH NEW ADDITIONS AND REMODEL AREAS.

FIRE PROTECTION SCOPE. EXISTING AREAS WITH EXISTING SPRINKLERS TO BE REMOVED AND REPLACED AS REQUIRED FOR NEW LAYOUT.

DEFERRED SUBMISSION

THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS WITHIN THE PROGRESSIVE AE DOCUMENT SET ARE PERFORMANCE BASED AND INTENDED TO CONVEY SCOPE OF THE WORK. THE FIRE PROTECTION CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL AS A DEFERRED SUBMITTAL TO THE LOCAL AHJ SHOP DRAWINGS AND HYDRAULIC CALCULATIONS INDICATING THE SPRINKLER SYSTEM LAYOUT, INCLUDING FINAL HEAD LOCATIONS AND MAIN LEADER PIPING SIZING. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE THESE DOCUMENTS SEALED BY A LICENSED FIRE PROTECTION ENGINEER.

FIRE PROTECTION SHEET INDEX

NUMBER	DESCRIPTION
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ISSUANCE

BIDS AND PERMITS
03/09/2023

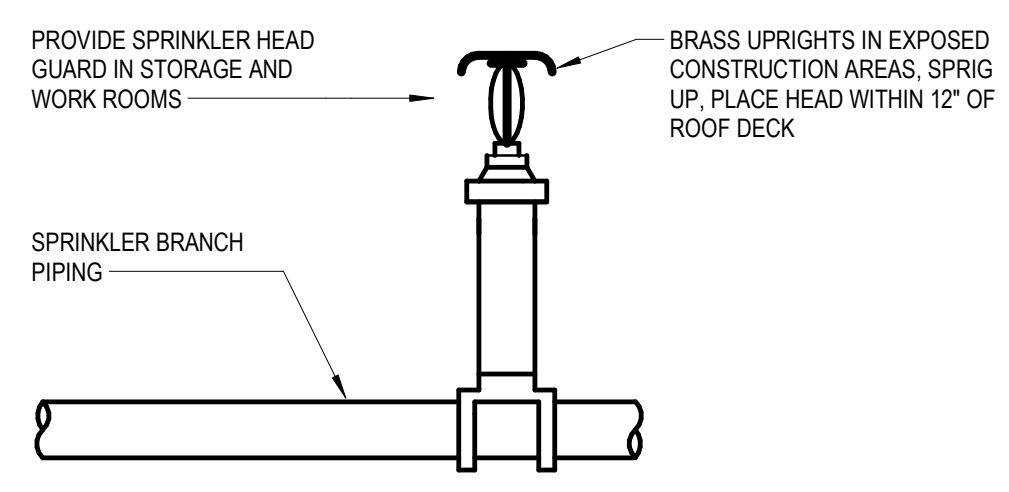
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NO.	DATE	DESCRIPTION
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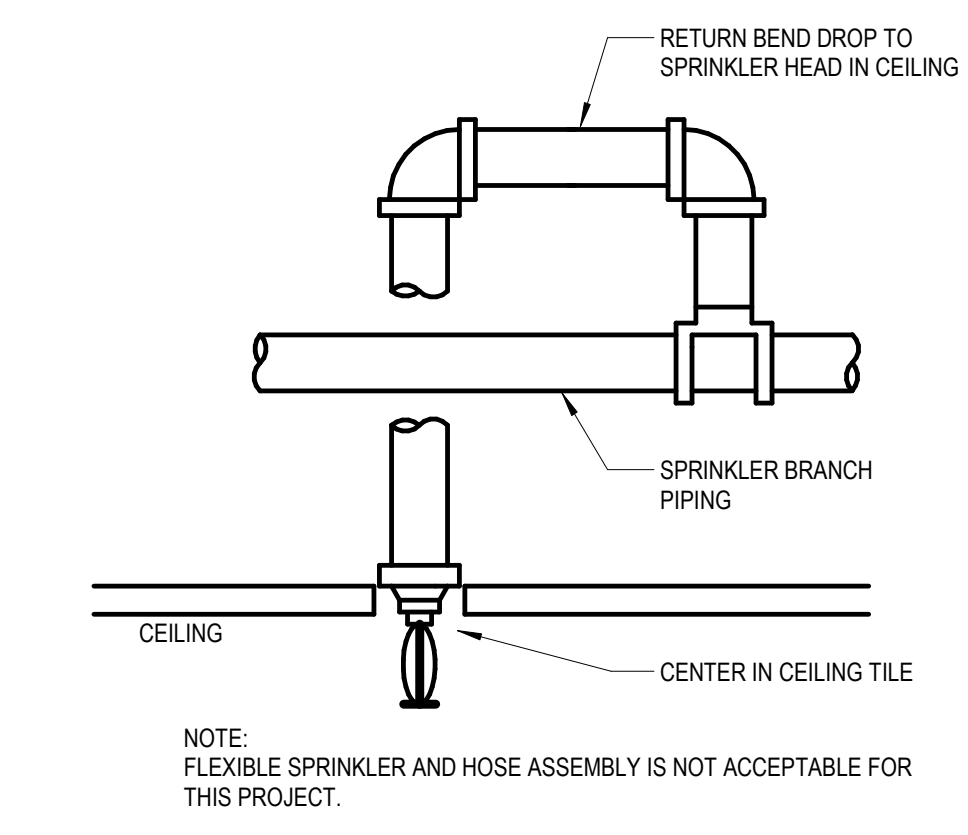
FILE NUMBER: 52286044
PROJECT MANAGER: SDH
PROFESSIONAL: K/LJ
DRAWN BY: K/LJ
CHECKED BY: JTG

GENERAL FIRE PROTECTION INFORMATION FP001

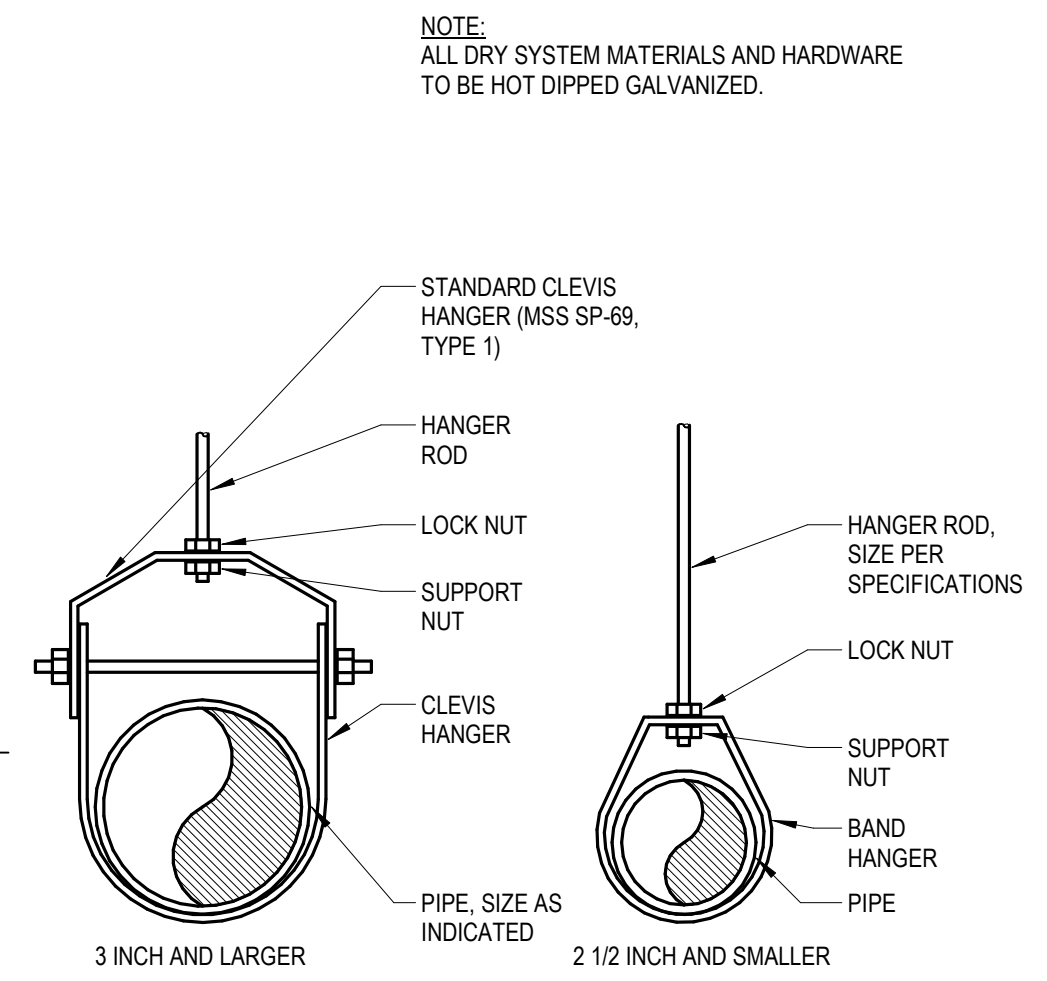
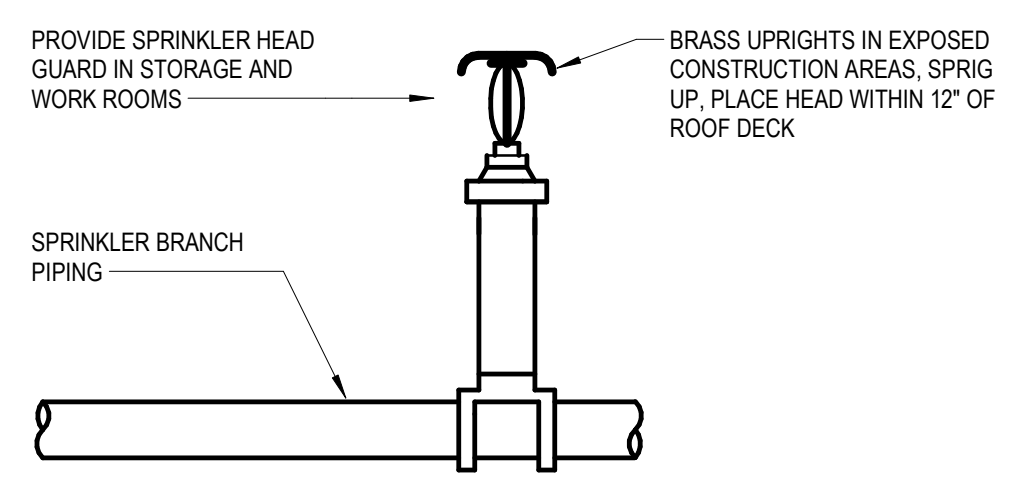
C3 CLEVIS PIPE HANGER DETAIL
NOT TO SCALE



C2 PENDANT SPRINKLER HEAD PIPING DETAIL
NOT TO SCALE



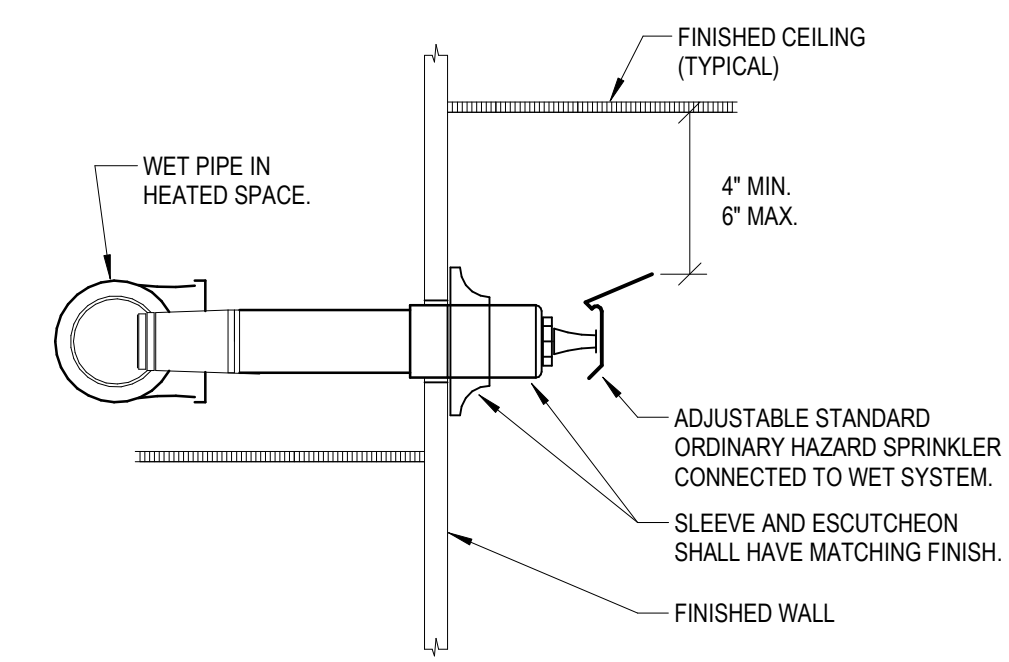
D3 UPRIGHT SPRINKLER HEAD PIPING DETAIL
NOT TO SCALE



HANGER ROD SCHEDULE	
PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.
2 1/2" THRU 3"	1/2" DIA.
4" AND 5"	5/8"

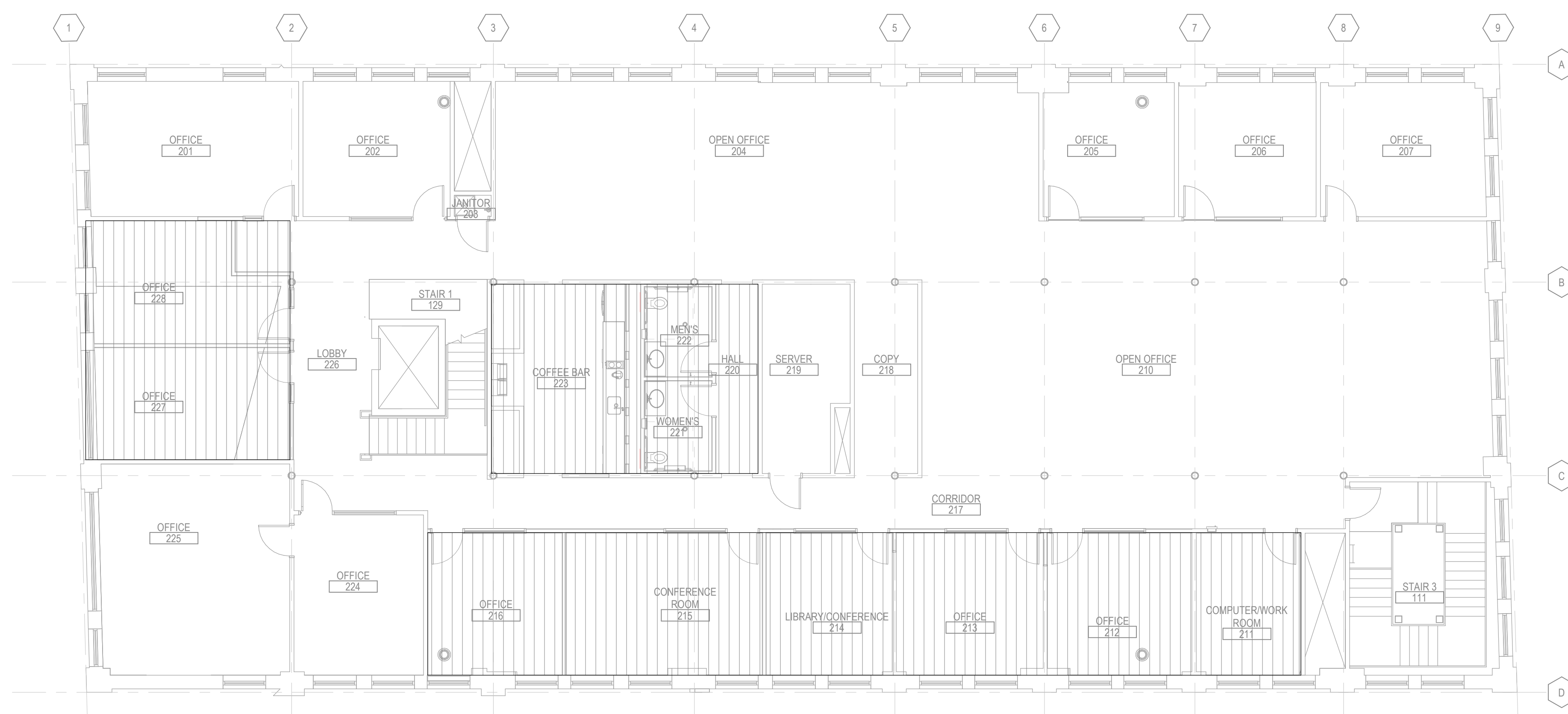
HANGER ROD SPACING	
PIPE SIZE	MAX. ALLOWABLE SPACING
1 1/4"	7'
1 1/2"	8'
2"	10'
2 1/2"	11'
3" THRU 8"	12'

E3 SIDEWALL SPRINKLER HEAD DETAIL
NOT TO SCALE

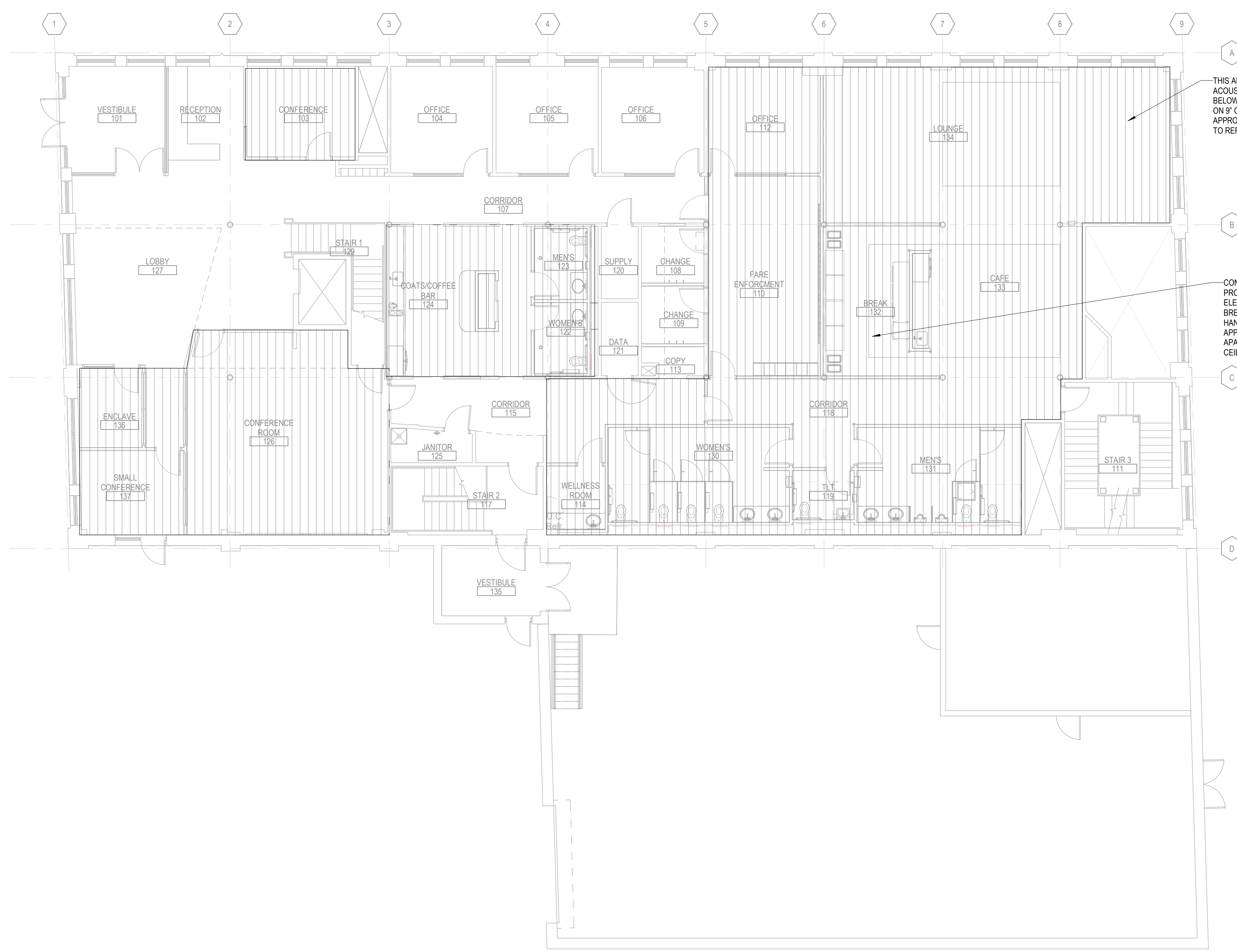


E2 PIPE HANGER DETAIL
NOT TO SCALE

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FP001
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SECOND FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"

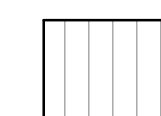


FIRST FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"

FIRE SPRINKLER DESIGN CRITERIA

CLASSIFICATION: LIGHT HAZARD
DENSITY: 0.10 GPM/SQFT
TYPICAL OPERATING AREA: 1,500 SQ. FT.
TYPICAL SPRINKLER SPACING: 225 SQ. FT. MAX.
TEMPERATURE RATING: 165°F.

- GENERAL INSTALLATION NOTES:**
1. THE AWARDED FPC SHALL BE RESPONSIBLE TO ORDER A NEW WATER FLOW TEST IF EXISTING DATA TAKEN WITHIN THE LAST YEAR IS NOT AVAILABLE.
 2. DESIGN CALCULATIONS FOR NEW SPRINKLERS SHALL ALLOW FOR 10 PERCENT SAFETY FACTOR.
 3. EXISTING FIRE DEPARTMENT CONNECTIONS AND HOSE REELS SHALL REMAIN.
 4. CLASSIFICATION PERTAINS TO BOTH NEW ADDITIONS AND REMODEL AREAS.

 FIRE PROTECTION SCOPE - EXISTING AREAS WITH EXISTING SPRINKLERS TO BE REMOVED AND REPLACED AS REQUIRED FOR NEW LAYOUT.

FIRE PROTECTION GENERAL NOTES

1. FIRE PROTECTION TO BE UPDATED IN AREAS INDICATED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN SHEET A111 FOR CEILING TYPE AND LOCATION.

DEFERRED SUBMISSION

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THIS AREA HAS VERTICAL ACOUSTICAL PANELS HANGING 24" BELOW THE FLOOR ABOVE, SPACED ON 8' CENTERS, AND APPROXIMATELY 12" DEEP. REFER TO REFLECTED CEILING PLANS.

CONTRACTOR TO PROVIDE PROTECTION FOR BELOW LIGHTING ELEMENTS HANGING ABOVE THE BREAK ROOM. SPACE INCLUDES 12 HANGING LIGHTING ELEMENTS APPROXIMATELY 40"x40" SPACED 4' APART. REFER TO REFLECTED CEILING PLANS.

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FILE NUMBER 55286044
 PROJECT MANAGER SDH
 PROFESSIONAL KLI
 DRAWN BY KLI
 CHECKED BY JTG

ELECTRICAL ABBREVIATIONS

A	AMPERES	KV	KILOVOLT
AAC	ABOVE ACCESSIBLE CEILING	KVA	KILOVOLT-AMPERES
AC	AIR COMPRESSOR	KVAR	KILOVOLT-AMPERES REACTIVE
ACU	AIR CONDITIONING UNIT	KW	KILOWATTS
AD	ACCESS DOOR	KWH	KILOWATT-HOURS
ADD	AUTOMATIC DOOR OPENER	LEED	LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN
AFG	ARCS FINISH GRADE	LP	LIGHT POLE
AFI	ARCS FAULT CIRCUIT INTERRUPTER	LITE	LITE, LIGHT
AHU	AUTHORITY HAVING JURISDICTION	LGT	LIGHTING
AHU	AIR HANDLING UNIT	LV	LOW VOLTAGE
AL	ALUMINUM	MIC	MOMENTARY CONTACT
AMPL	AMPLIFIER	MAX	MAXIMUM
ANNU	ANNUNCIATOR	MCA	MECHANICAL CONTRACTOR
AP	ACCESS PANEL	MCA	MINIMUM CIRCUIT AMPS
APPROX	APPROXIMATE	MCB	MAIN CIRCUIT BREAKER
AS	AS SHOWN	MCC	MOTOR CONTROL CENTER
AT	AMP TRIP	MD	MOTORIZED DAMPER
ATS	AUTOMATIC TRANSFER SWITCH	MO	MOTION DETECTOR
AUX	AUXILIARY	MDC	MAIN DISTRIBUTION CENTER
AWG	AMERICAN WIRE GAUGE	MDF	MAIN DISTRIBUTION FRAME
B	BOLTER	MDF	MAIN FUSED DISCONNECT SWITCH
BAS	BUILDING AUTOMATION SYSTEM	MH	MANHOLE
BATT	BATTERY	MICRO	MICROPHONE
BF	BARRIER FREE	ML	MAGNETIC DOOR LOCK
BFG	BELOW FINISHED GRADE	MLO	MAIN LOSS ONLY
BMS	BUILDING MANAGEMENT SYSTEM	MMA	MANUAL MOTOR STARTER
BOD	BOTTOM OF DEVICE	MMS	MULTIOUTLET ASSEMBLY
BSMT	BASEMENT	MOP	MAXIMUM OVERCURRENT PROTECTION
C	CONDUIT	MIS	MAGNETIC STARTER
CAB	CABINET	MSB	MAIN SWITCH BOARD
CAP	CAPACITANCE	MT	MOUNT
CATV	COMMUNITY ANTENNA TELEVISION	MTR	MOTOR, MOTORIZED
CB	CIRCUIT BREAKER	MTS	MANUAL TRANSFER SWITCH
CCTV	CLOSED-CIRCUIT TELEVISION	NC	NORMALLY CLOSED
CF	CEILING FAN	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CFL	COMPACT FLUORESCENT	NF	NONFUSED
CH	CABINET HEATER	NFDS	NONFUSED DISCONNECT SWITCH
CKT	CIRCUIT	NL	NIGHT-LIGHT
CLR	CLEARANCE	NO	NORMALLY OPEN
CMR	COMPRESSOR	NOF	NORMAL POWER FLOOR
COL	COLUMN	OH	OVERHEAD
COMB	COMBINATION	OHD	OVERHEAD DOOR
CONC	CONCRETE	OL	OVERLOAD
CONN	CONNECT, CONNECTED, CONNECTION	P	PUMP
CONV	CONVERTOR	PA	PUBLIC ADDRESS
CP	CIRCULATING PUMP	PB	PULL BOX
CR	CARD READER	PE	PNEUMATIC ELECTRIC
CT	COOLING TOWER	PED	PEDESTAL
CU	CURRENT TRANSFORMER	PERF	PERFORATE, PERFORATED
CU	COPPER	PF	PUMP - FIRE PROTECTION
DEPT	DEPARTMENT	PH	PHASE
DET	DETAIL	PIV	POST INDICATING VALVE
DISC	DISCONNECT	PNL	PANEL
DIST	DISTRIBUTION	PP	POWER POLE
DL	DEAD END	PR	PRIMARY
DR	DAMPER	PROJ	PROJECTOR
DS	DOOR SWITCH	PRV	POWER ROOF VENTILATOR
DT	DOUBLE THROW	PTZ	PAN TILT ZOOM
DW	DISHWASHER	PVC	POLYVINYL CHLORIDE
DWH	DOMESTIC WATER HEATER	PHR	POWER
EF	EXHAUST FAN	RA	RETURN AIR
EHC	ELECTRIC HEATING COIL	RAF	RETURN AIR FAN
EIH	ELECTRIC INFARED HEATER	RECP	RECEPTACLE
ELEC	ELECTRIC, ELECTRICAL	ROI	ROUGH-IN ONLY
ELEV	ELEVATOR	RMC	RIGID METAL CONDUIT
EM	EMERGENCY	RMMC	RIGID NONMETALLIC CONDUIT
EMS	ENERGY MANAGEMENT SYSTEM	RT	RAINTIGHT
EMT	ELECTRICAL METALLIC TUBING	RTU	ROOFTOP UNIT
ES	ELECTRICAL STRIKE	RIS	START/STOP PUSHBUTTONS
EWC	ELECTRIC WATER COOLER	SA	SUPPLY AIR
EWV	ELECTRIC WATER HEATER	SAF	SUPPLY AIR FAN
EXP	EXPLOSION PROOF	SEC	SECONDARY
F	FAHRENHEIT	SECT	SECTION
FA	FIRE ALARM	SHT	SHEET
FACP	FIRE ALARM CONTROL PANEL	SS	STAINLESS STEEL
FBO	FURNISHED BY OTHERS	SN	SOLID NEUTRAL
FC	FLEXIBLE CONNECTION	SP	SPARE
FCU	FAN COIL UNIT	SPD	SURGE PROTECTIVE DEVICE
FDR	FEEDER	SPKR	SPEAKER
FDS	FUSED DISCONNECT SWITCH	SS	STAINLESS STEEL
FXT	FIXTURE	SSW	SELECTOR SWITCH
FL	FLUORESCENT	STA	STATION
FLA	FULL LOAD AMPS	STOR	STORAGE
FLEX	FLEXIBLE	SW	SWITCH
FLR	FLOOR FLOORING	SWBD	SWITCHBOARD
FMC	FLEXIBLE METAL CONDUIT	SWGR	SWITCHGEAR
FSB	FLAT SCREEN BOX	SYM	SYMMETRY, SYMMETRICAL
FU	FUSE	SYS	SYSTEM
FURN	FURNISH, FURNISHED	TEL	TELEPHONE
GALV	GALVANIZED	TERM	TERMINAL
GEN	GENERATOR	TL	TWIST LOCK
GFI	GROUND FAULT CIRCUIT INTERRUPTER	TOD	TOP OF DEVICE
GFP	GROUND FAULT CIRCUIT PROTECTOR	TR	TAMPER RESISTANT
GND	GROUND	TTC	TELEPHONE TERMINAL CABINET
GRMC	GALVANIZED RIGID METAL CONDUIT	TU	TERMINAL UNIT
HG	HOSPITAL GRADE	TV	TELEVISION
HOA	HAND-OFF AUTOMATIC	TVTC	TELEVISION TERMINAL CABINET
HP	HORSEPOWER	UV	UNIT VENTILATOR
HPP	HIGH POWER FACTOR	UC	UNDER CABINET
HSP	HOUSEKEEPING PAD	UG	UNDERGROUND ELECTRICAL
HTG	HEATING	UG	UNDERGROUND
HTP	HEAT PUMP	UH	UNIT HEATER
HTR	HEATER	UV	UNDERGROUND TELEPHONE
HTR	HEATER	UV	ULTRA VIOLET
HUM	HUMIDIFIER	V	VOLTS
HV	HIGH VOLTAGE	VA	VOLT-AMPERES
HWP	HYDRONIC WATER PUMP	VDT	VIDEO DISPLAY TERMINAL
IBC	INTERNATIONAL BUILDING CODE	VFD	VARIABLE FREQUENCY DRIVE
IC	INTERRUPTING CAPACITY	W	WATTS
IG	ISOLATED GROUND	WG	WIRE GUARD
IMC	INTERMEDIATE METAL CONDUIT	WH	WATER HEATER
IR	INFRARED	WP	WEATHERPROOF
JBOX	JUNCTION BOX	XFER	TRANSFER
KO	KNOCKOUT	XFRM	TRANSFORMER
KS	KEY SWITCH	Ø	PHASE

ELECTRICAL ABBREVIATIONS

BACKBOX & RACEWAY BY	DEVICE BY	INSTALLED BY	WIRED BY	SYMBOL	DESCRIPTION	HEIGHT TO MIDDLE OF DEVICE (U.N.O.)
E	E	E	E	▽	E - ELECTRICAL CONTRACTOR X - OTHERS	
E	E	E	E	▽	DATA/PHONE OUTLET, 3/4" TO ACCESSIBLE CEILING OR CABLETRAY	18"
E	E	E	E	▽	ABOVE COUNTERTOP DATA/PHONE OUTLET, MOUNT 4" ABOVE BACKSPASH OR	46"
E	E	E	E	▽	MULTIOUTLET WIREMOLD ASSEMBLY, MOUNT 4" ABOVE BACKSPASH OR PROVIDE DATA OUTLETS AS SHOWN ON DRAWINGS	46"
E	E	E	E	▽	FLOOR DATA/PHONE OUTLETS	
E	E	E	E	▽	CEILING DATA/PHONE OUTLET	
E	X	X	E	WAP CLG	CEILING WIRELESS ACCESS POINT	
E	X	X	X	TV	TELEVISION OUTLET	18"
E	E	E	E	▽	CLOCK	84"
E	X	X	X	Ⓜ	INTERCOM OUTLET LOCATION	46"
E	X	X	X	Ⓜ	INTERCOM - AUDIO/VISUAL	46"
E	X	X	E	Ⓜ	SPEAKER (WALL OR CEILING MT.)	84"
E	E	E	E	Ⓜ	SOUND MASKING EMITTER (WALL OR CEILING MT.)	84"
E	X	X	X	Ⓜ	VOLUME CONTROL	46"
E	X	X	X	Ⓜ	MICROPHONE OUTLET	18"
E	X	X	X	Ⓜ	PROJECTOR CONTROL OUTLET	18"
E	M	M	E	Ⓜ	HUMIDISTAT	46"
E	M	M	E	Ⓜ	THERMOSTAT	46"
E	X	X	X	Ⓜ	OUTLET IN FLOOR (MICROPHONE SHOWN)	

FIRE ALARM SYMBOL LEGEND

BACKBOX & RACEWAY BY	DEVICE BY	INSTALLED BY	WIRED BY	SYMBOL	DESCRIPTION	HEIGHT TO MIDDLE OF DEVICE (U.N.O.)
E	E	E	E	P	E - ELECTRICAL CONTRACTOR M - MECHANICAL CONTRACTOR X - OTHERS	
E	E	E	E	P	WALL PULLSTATION DEVICE	46"
E	E	E	E	V	WALL AUDIOVISUAL DEVICE (CANDELAS NOTED)	90"
E	E	E	E	V	WALL VISUAL DEVICE (CANDELAS NOTED)	90"
E	E	E	E	F	WALL AUDIO STATION	90"
E	E	E	E	V	CEILING AUDIO/VISUAL DEVICE (CANDELAS NOTED)	
E	E	E	E	V	CEILING VISUAL DEVICE (CANDELAS NOTED)	
E	E	E	E	V	CEILING AUDIO STATION	
E	E	E	E	SD	WALL SMOKE DETECTOR	WITHIN 12" OF CEILING
E	E	E	E	SD	WALL AUDIO/VISUAL SMOKE DETECTOR	WITHIN 12" OF CEILING
E	E	E	E	SD	WALL COMBO SMOKE/CO DETECTOR	WITHIN 12" OF CEILING
E	E	E	E	HD	WALL HEAT DETECTOR	90"
E	E	E	E	SD	CEILING SMOKE DETECTOR	
E	E	E	E	SD	CEILING AUDIO/VISUAL SMOKE DETECTOR	
E	E	E	E	CD	CEILING COMBO SMOKE/CO DETECTOR	
E	E	E	E	HD	CEILING HEAT DETECTOR	
E	E	E	E	DR	DUCT SMOKE DETECTOR (RETURN SIDE)	
E	E	E	E	DS	DUCT SMOKE DETECTOR (SUPPLY SIDE)	
E	X	X	E	FS	SPRINKLER FLOW SWITCH	
E	X	X	E	TS	SPRINKLER VALVE TAMPER SWITCH	
E	E	E	E	MH	WALL MAGNETIC HOLD OPEN	80"
E	E	E	E	RT	REMOTE TEST SWITCH	46"
E	E	E	E	FD	FIRE FIGHTER TELEPHONE	46"
E	E	E	E	FACP	FIRE ALARM CONTROL PANEL	80"
E	E	E	E	FAMP	FIRE ALARM ANNUNCIATOR PANEL	46"
E	E	E	E	NAC	FIRE ALARM NAC PANEL	46"

LIGHTING SYMBOL LEGEND

BACKBOX & RACEWAY BY	DEVICE BY	INSTALLED BY	WIRED BY	SYMBOL	DESCRIPTION	HEIGHT TO MIDDLE OF DEVICE (U.N.O.)
E	E	E	E	S10	E - ELECTRICAL CONTRACTOR M - MECHANICAL CONTRACTOR X - OTHERS	
E	E	E	E	S10	SINGLE POLE SWITCH	46"
E	E	E	E	S3	3-WAY SWITCH	46"
E	E	E	E	S4	4-WAY SWITCH	46"
E	E	E	E	S5	DIMMER SWITCH	46"
E	E	E	E	S6	OCCUPANCY SENSOR SWITCH	46"
E	E	E	E	S7	MOMENTARY CONTACT SWITCH	46"
E	E	E	E	S8	TIMER SWITCH	46"
E	E	E	E	S9	COMBINATION: OCCUPANCY SENSOR / 0-10V DIMMER SWITCH	46"
E	E	E	E	S10	COMBINATION: MOMENTARY CONTACT SWITCH / 0-10V DIMMER SWITCH	46"
E	E	E	E	S11	COMBINATION: LIGHT SWITCH / CEILING FAN CONTROLLER	46"
E	E	E	E	S12	LIGHTING CONTROL SYSTEM PUSH BUTTON STATION	46"
E	E	E	E	S13	DUAL RELAY OCCUPANCY SENSOR SWITCH	46"
E	E	E	E	S14	KEYED SWITCH	46"
E	E	E	E	S15	GENERATOR TRANSFER DEVICE	
E	E	E	E	S16	CEILING OCCUPANCY SENSOR - DUAL TECHNOLOGY TYPE	
E	E	E	E	S17	CEILING LIGHT LEVEL SENSOR	
E	E	E	E	S18	PHOTOCELL	
E	E	E	E	S19	POLE MOUNTED LIGHT (TYPE DENOTED)	PER SCHED
E	E	E	E	S20	WALL MOUNTED LIGHT (TYPE DENOTED)	AS NOTED
E	E	E	E	S21	RECESSED LIGHT (TYPE DENOTED)	
E	E	E	E	S22	SURFACE LIGHT (TYPE DENOTED)	
E	E	E	E	S23	P1 ○ P2	SUSPENDED OR PENDANT LIGHT (TYPE DENOTED)
E	E	E	E	S24	INDUSTRIAL LIGHT (TYPE DENOTED)	
E	E	E	E	S25	TRACK AND TRACK LIGHT (TYPES DENOTED)	AS NOTED
E	E	E	E	S26	EMERGENCY DOUBLE HEAD WALL LIGHT (TYPE DENOTED)	96"
E	E	E	E	S27	EXIT SIGN (TYPE DENOTED)	
E	E	E	E	S28	LIGHT FIXTURE ON (EM) LIFE SAFETY OR CRITICAL BRANCH	AS NOTED

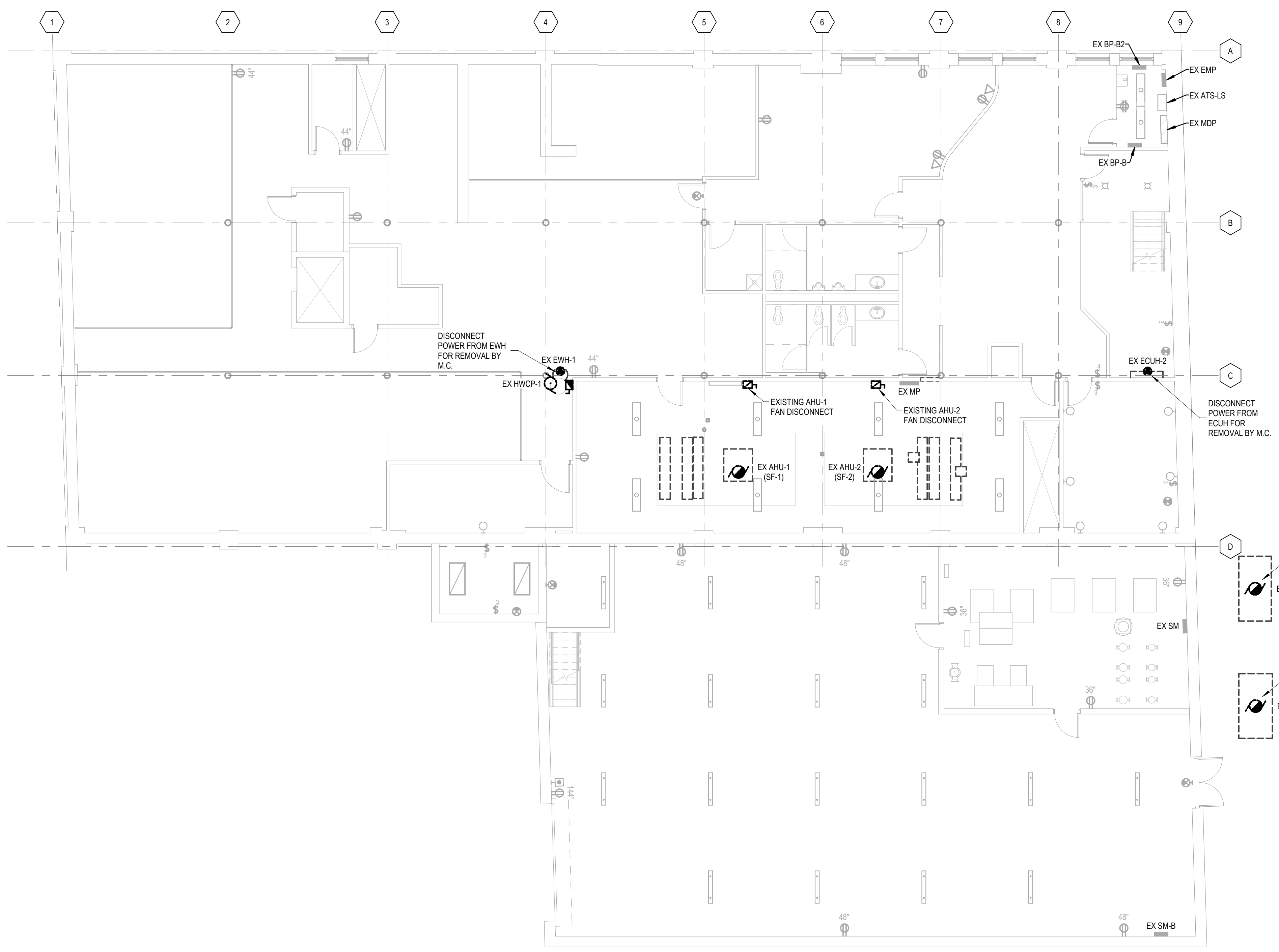
POWER SYMBOL LEGEND

BACKBOX & RACEWAY BY	DEVICE BY	INSTALLED BY	WIRED BY	SYMBOL	DESCRIPTION	HEIGHT TO MIDDLE OF DEVICE (U.N.O.)
E	E	E	E	Ⓜ	E - ELECTRICAL CONTRACTOR M - MECHANICAL CONTRACTOR X - OTHERS	
E	E	E	E	Ⓜ	SINGLE RECEPT (EM = EMERGENCY, "HG" = HOSPITAL GRADE, "TR" = TAMPER RESISTANT)	18"
E	E	E	E	Ⓜ	GFCI RATED SINGLE RECEPT	18"
E	E	E	E	Ⓜ	ISOLATED GROUND SINGLE RECEPT	18"
E	E	E	E	Ⓜ	SWITCHED SINGLE RECEPT	18"
E	E	E	E	Ⓜ	DUPLEX RECEPT (EM = EMERGENCY, "HG" = HOSPITAL GRADE, "U" = CONNECTED TO UP)	18"
E	E	E	E	Ⓜ	GFCI RATED DUPLEX RECEPT	18"
E	E	E	E	Ⓜ	ISOLATED GROUND DUPLEX RECEPT	18"
E	E	E	E	Ⓜ	SWITCHED DUPLEX RECEPT (SPLIT-WIRE)	18"
E	E	E	E	Ⓜ	USBDUPLEX RECEPT	18"
E	E	E	E	Ⓜ	ABOVE COUNTERTOP DUPLEX RECEPT, MOUNT 4" ABOVE BACKSPASH OR 44"	
E	E	E	E	Ⓜ	FOURPLEX RECEPT (EM = EMERGENCY, "HG" = HOSPITAL GRADE, "U" = CONNECTED TO UP)	18"
E	E	E	E	Ⓜ	GFCI RATED FOURPLEX RECEPT	18"
E	E	E	E	Ⓜ	ISOLATED GROUND FOURPLEX RECEPT	18"
E	E	E	E	Ⓜ	SWITCHED FOURPLEX RECEPT (SPLIT-WIRE)	18"
E	E	E	E	Ⓜ	ABOVE COUNTERTOP FOURPLEX RECEPT, MOUNT 4" ABOVE BACKSPASH OR 44"	
E	E	E	E	Ⓜ	SPECIAL RECEPT OR CONNECTION, PROVIDE DIRECT POWER CONNECTION OR MATCHING RECEPTACLE AS REQUIRED, COORDINATE W/ EQUIPMENT MANUFACTURER	18"
E	E	E	E	Ⓜ	MULTIOUTLET WIREMOLD ASSEMBLY, MOUNT 4" ABOVE BACKSPASH OR PROVIDE POWER RECEPTS AS SHOWN ON DRAWING	46"
E	E	E	E	Ⓜ	FLOOR RECEPT (DUPLEX SHOWN)	
E	E	E	E	Ⓜ	CEILING RECEPT (DUPLEX SHOWN)	
E	X	X	X	Ⓜ	JUNCTION BOX (FLOOR, WALL, CEILING SHOWN)	AS NOTED
E	E	E	E	Ⓜ	PUSH BUTTON STATION	46"
E	E	E	E	Ⓜ	MOTOR HORSEPOWER RATED SWITCH	46"
E	E	E	E	Ⓜ	FUSED SWITCH	46"
E	E	E	E	Ⓜ	SAFETY DISCONNECT SWITCH (FUSED)	72"
E	E	E	E	Ⓜ	COMBO MOTOR STARTER/DISCONNECT SWITCH (FUSED)	72"
E	EM	EM	E	Ⓜ	VARIABLE FREQUENCY DRIVE	
E	EM	EM	E	Ⓜ	SINGLE PHASE MOTOR (SEE SCHEDULE)	
E	EM	EM	E	Ⓜ	THREE PHASE MOTOR (SEE SCHEDULE)	
E	E	E	E	Ⓜ	CIRCUIT BREAKER PANEL	72"
E	E	E	E	Ⓜ	POWER OR DISTRIBUTION PANEL	72"
E	E	E	E	Ⓜ	SPECIAL CABINET (TYPE DENOTED)	72"
E	E	E	E	Ⓜ	TRANSFORMER (TYPE DENOTED)	
E	E	E	E	Ⓜ	GENERATOR (KVA DENOTED)	

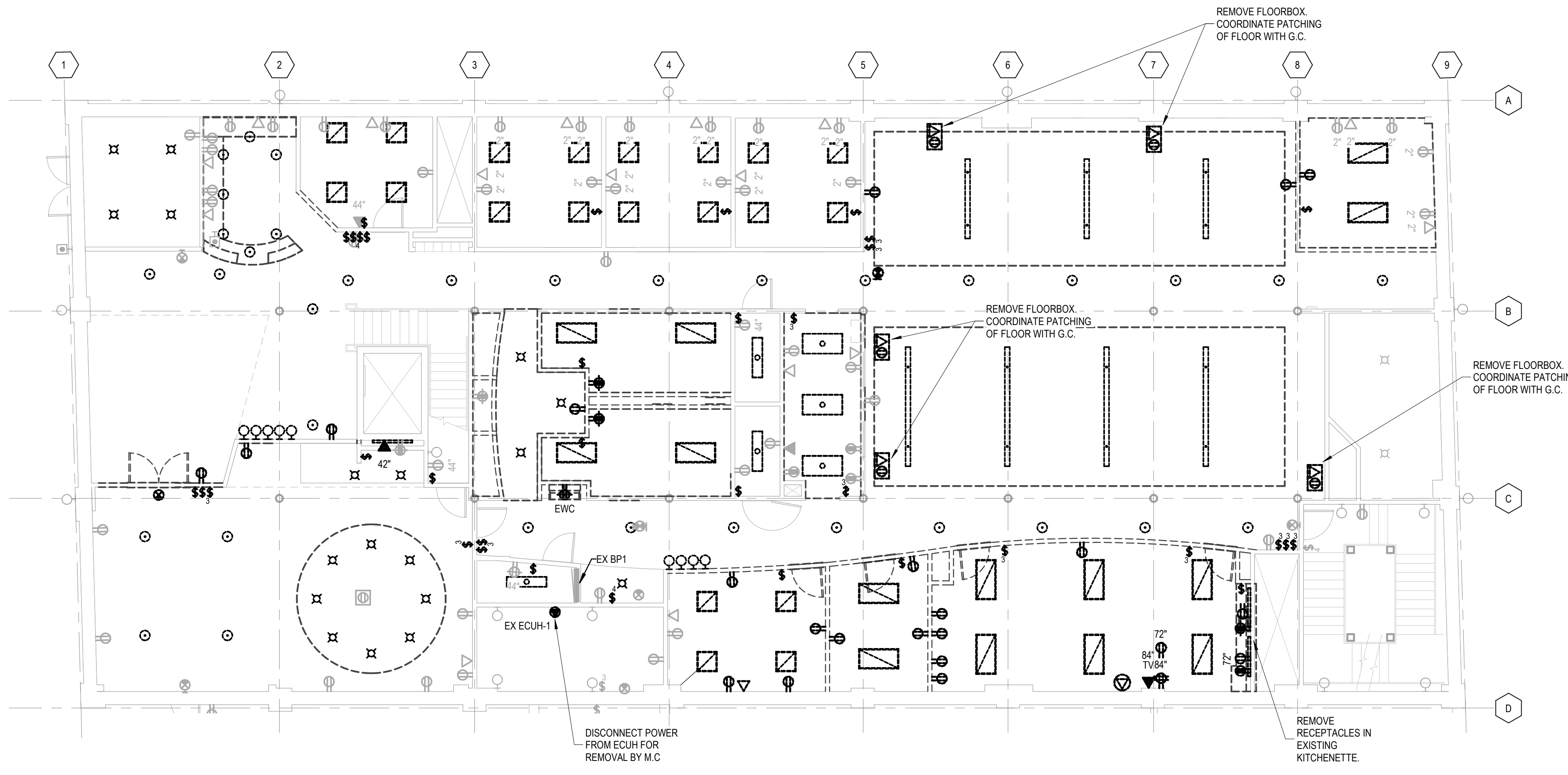
WIRING SYMBOL LEGEND

BACKBOX & RACEWAY BY	DEVICE BY	INSTALLED BY	WIRED BY	SYMBOL	DESCRIPTION	HEIGHT TO MIDDLE OF DEVICE (U.N.O.)
E	E	E	E	Ⓜ	E - ELECTRICAL CONTRACTOR M - MECHANICAL CONTRACTOR X - OTHERS	
E	E	E	E	Ⓜ	CONDUIT CONCEALED IN WALL OR OVERHEAD	
E	E	E	E	Ⓜ	CONDUIT CONCEALED BELOW FLOOR	
E	E	E	E	Ⓜ	CONDUIT EXPOSED	
E	E	E	E	Ⓜ	CONDUIT TRANSITION UP	
E	E	E	E	Ⓜ	CONDUIT TRANSITION DOWN	
E	E	E	E	Ⓜ	CONDUIT STUBBED OUT	
E	E	E	E	Ⓜ	UNDERFLOOR RACEWAY SYSTEM	
E	E	E	E	Ⓜ	CABLE TRAY (TYPE DENOTED)	
E	E	E	E	Ⓜ	CONDUIT SLEEVE (SIZE DENOTED)	
E	E	E	E	Ⓜ	BRANCH CIRCUIT HOME RUN	

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1 BASEMENT DEMOLITION PLAN
1/8" = 1'-0"



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

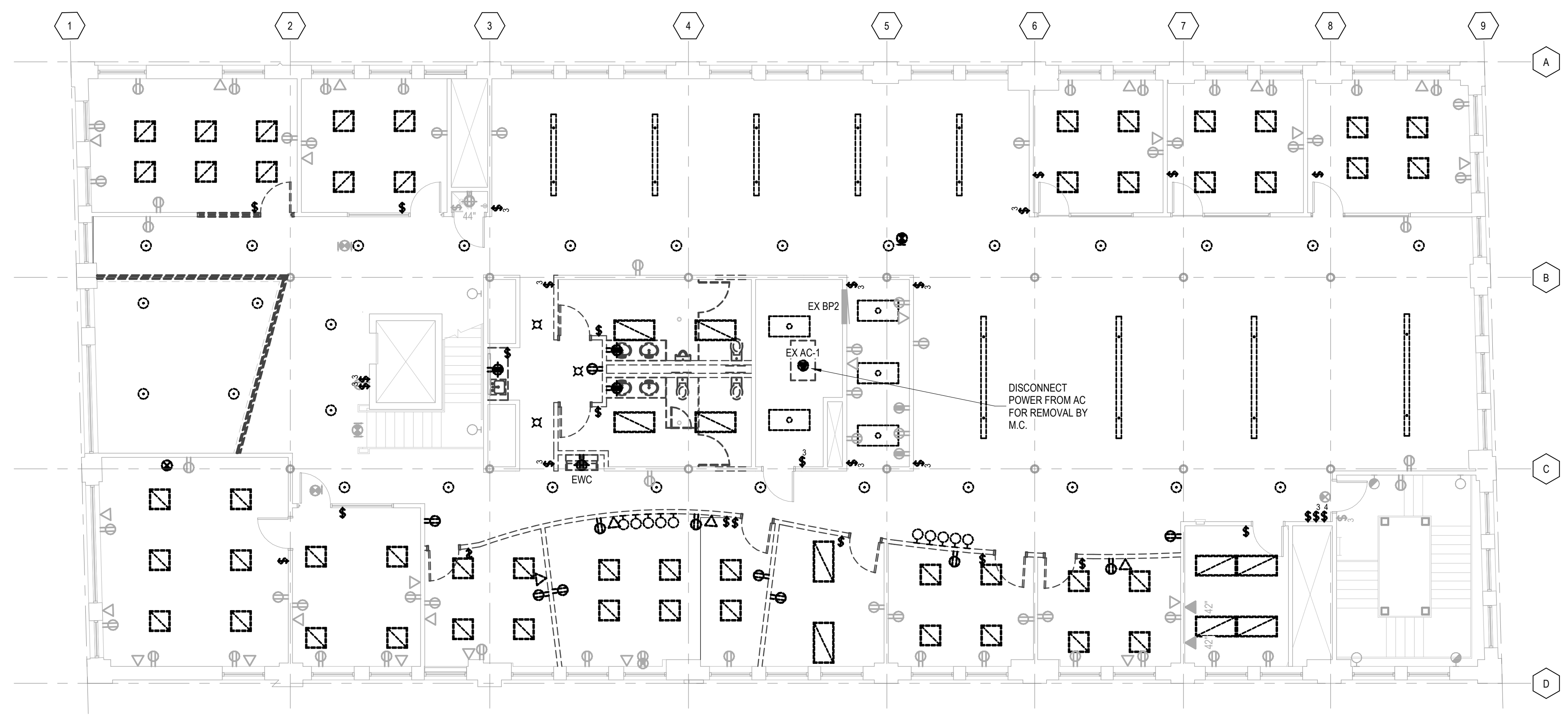
- DEMOLITION GENERAL NOTES**
- A. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
 - B. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
 - C. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
 - D. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
 - E. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
 - F. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
 - G. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
 - H. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

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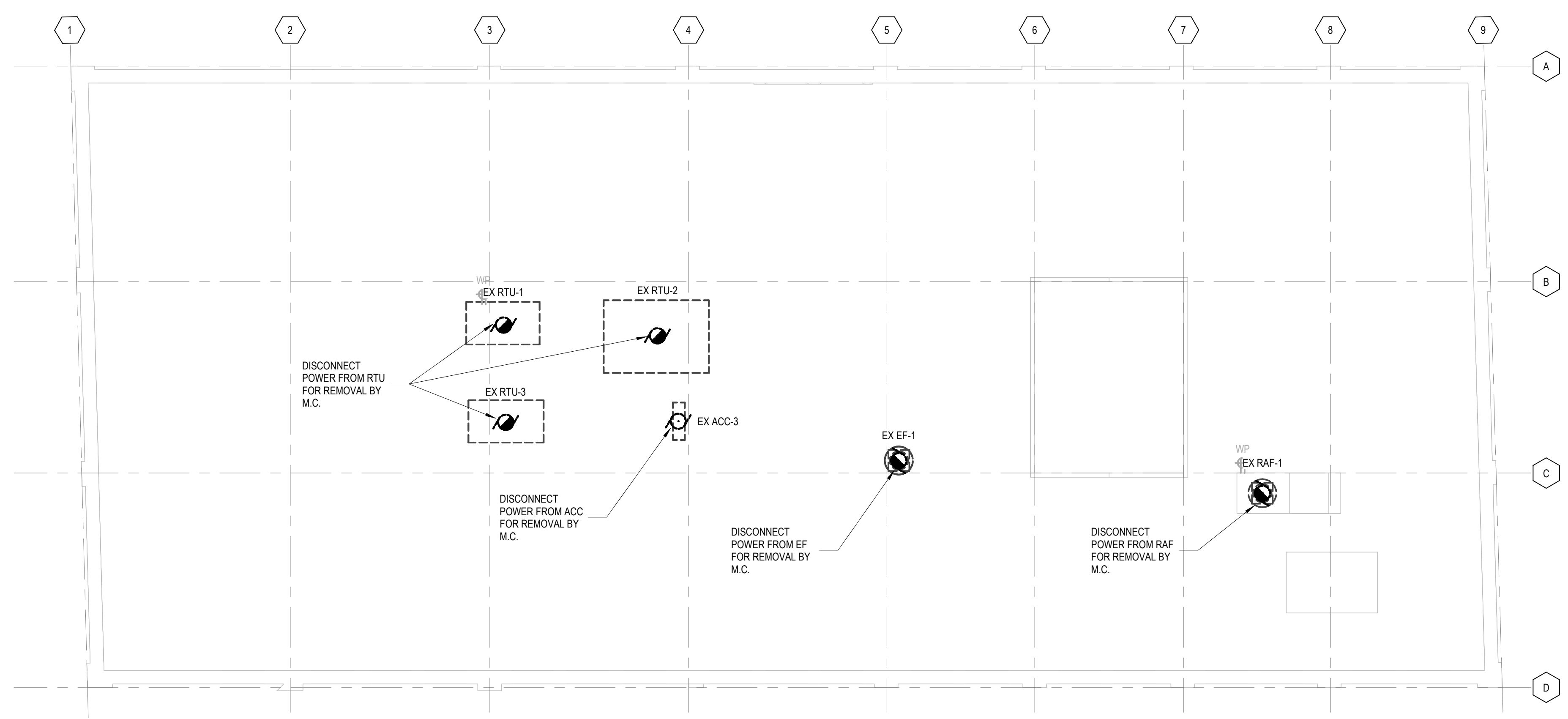
ISSUANCE
BIDS AND PERMITS
03/09/2023

REVISIONS
NO. DATE DESCRIPTION

FILE NUMBER 52286044
PROJECT MANAGER S. HORTON
PROFESSIONAL D. HERSCHER
DRAWN BY G. GISCHIA
CHECKED BY D. HERSCHER



1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



1 ROOF ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES

- A. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
- B. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- C. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
- D. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- E. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- F. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
- G. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
- H. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

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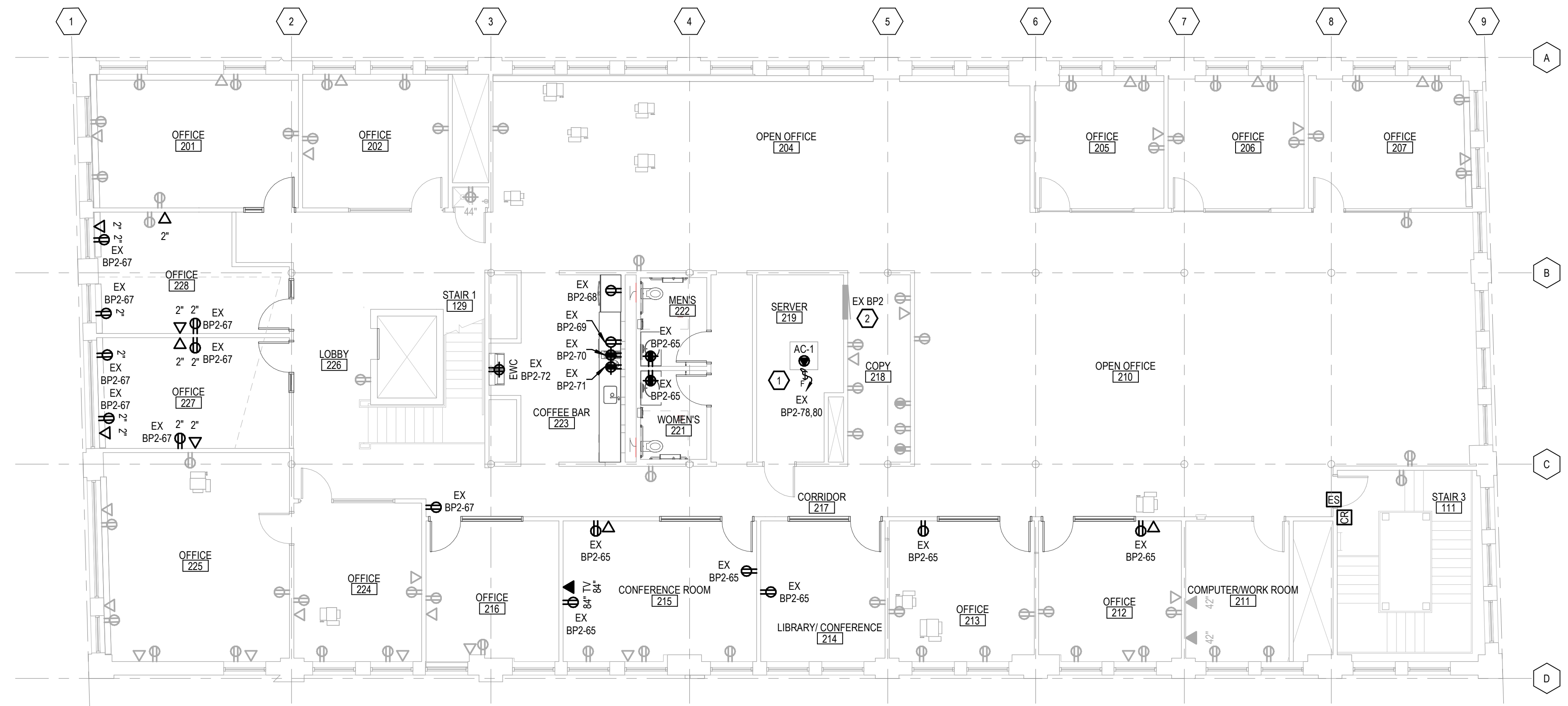
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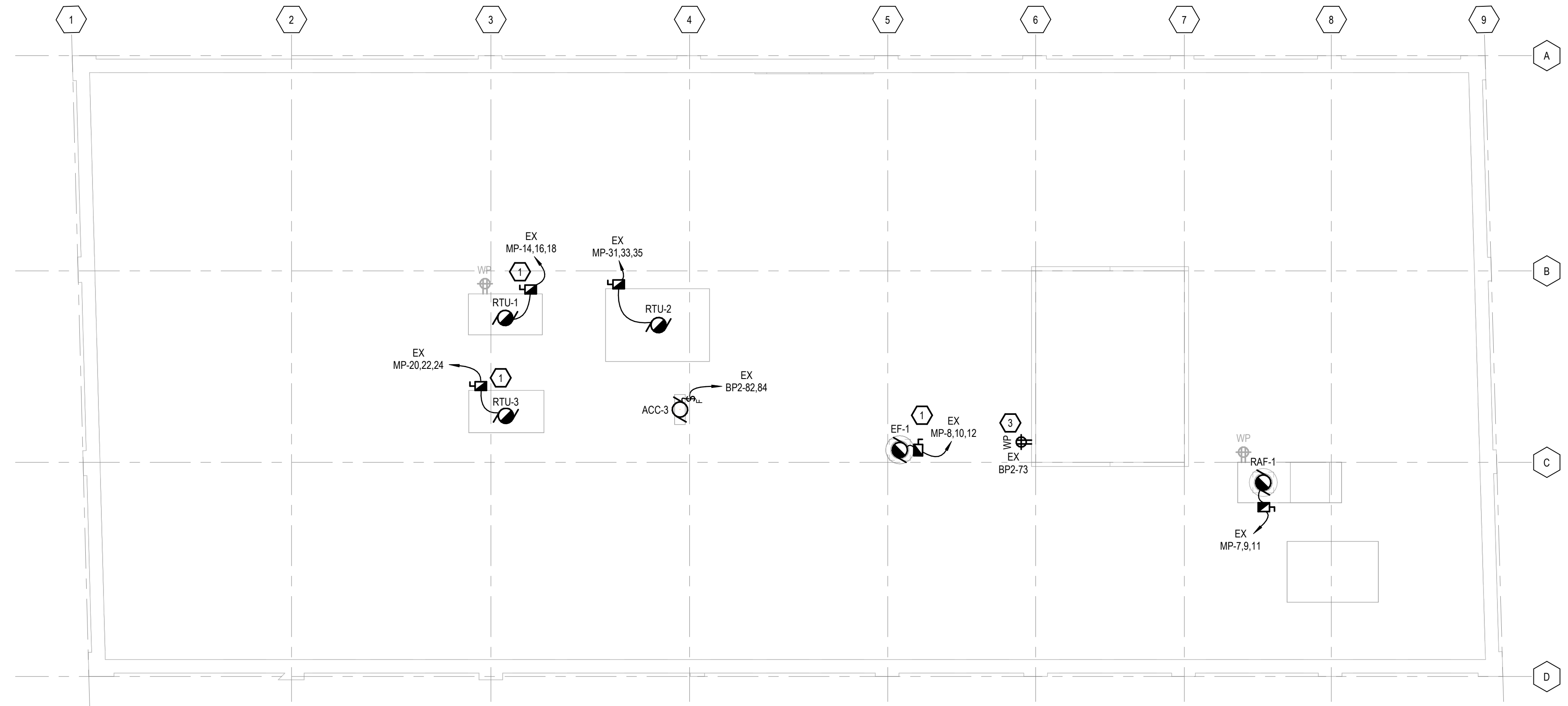
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SECOND FLOOR POWER PLAN
1/8" = 1'-0"



ROOF POWER PLAN
1/8" = 1'-0"

POWER GENERAL NOTES

- A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.
- B. WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
- C. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- D. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
- E. ANY MODIFICATIONS TO THE NUMBER, SIZE, AND TYPE OF WIRES OR CONDUITS FROM THOSE INDICATED ON THIS DRAWING ARE PROHIBITED.
- F. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
- G. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
- H. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
- I. USE #18 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET, UNLESS SPECIFICALLY INDICATED OTHERWISE. THIS SHALL BE REQUIRED FOR THE ENTIRE LENGTH OF THE CIRCUIT.

POWER KEYNOTES

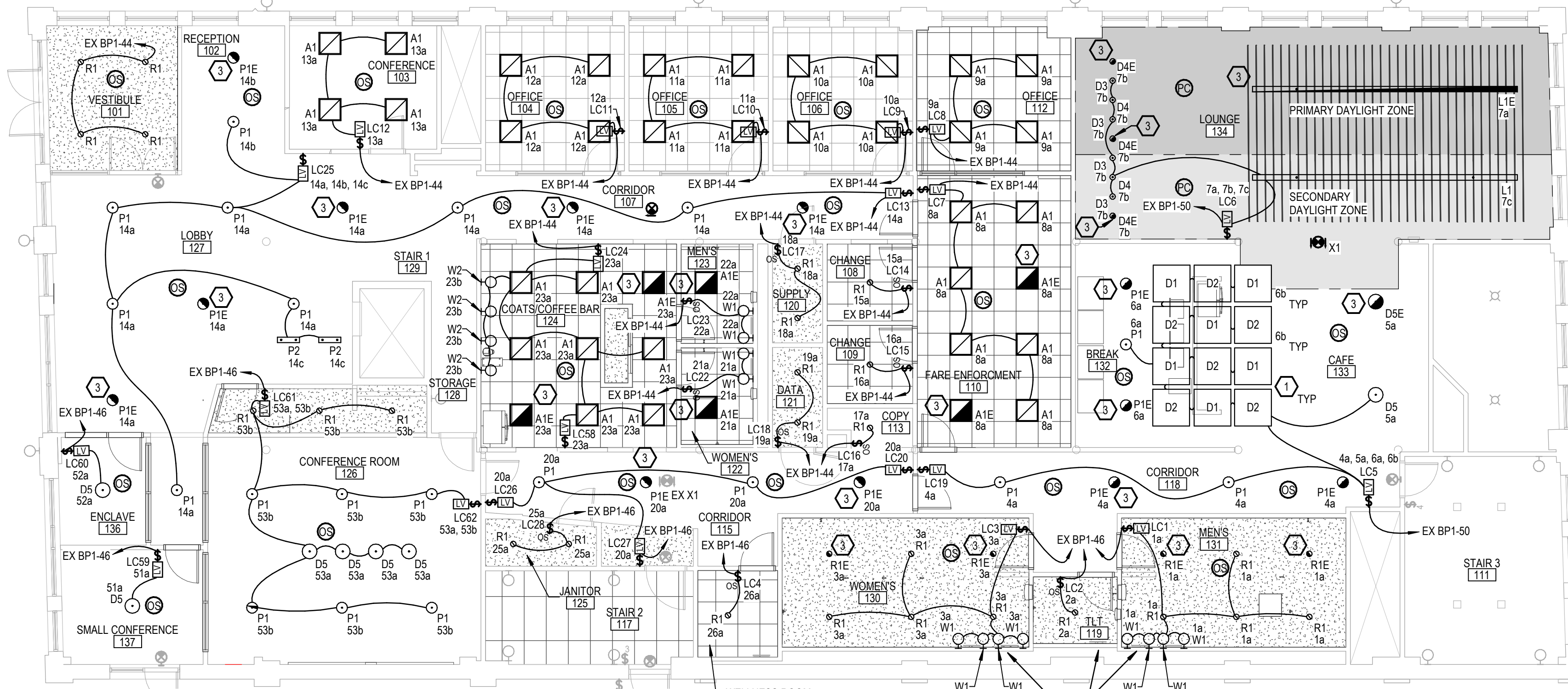
- 1. REUSE EXISTING CIRCUIT WIRE AND CIRCUIT BREAKER.
- 2. REMOVE 30A 2P BREAKERS 82 & 84 IN PANEL BP2. ADD 35A 2P BREAKER FOR ACC-3.
- 3. ONLY INSTALL NEW RECEPTACLE IF NO EXISTING RECEPTACLE WITHIN 25 FEET OF EF-1 AVAILABLE.

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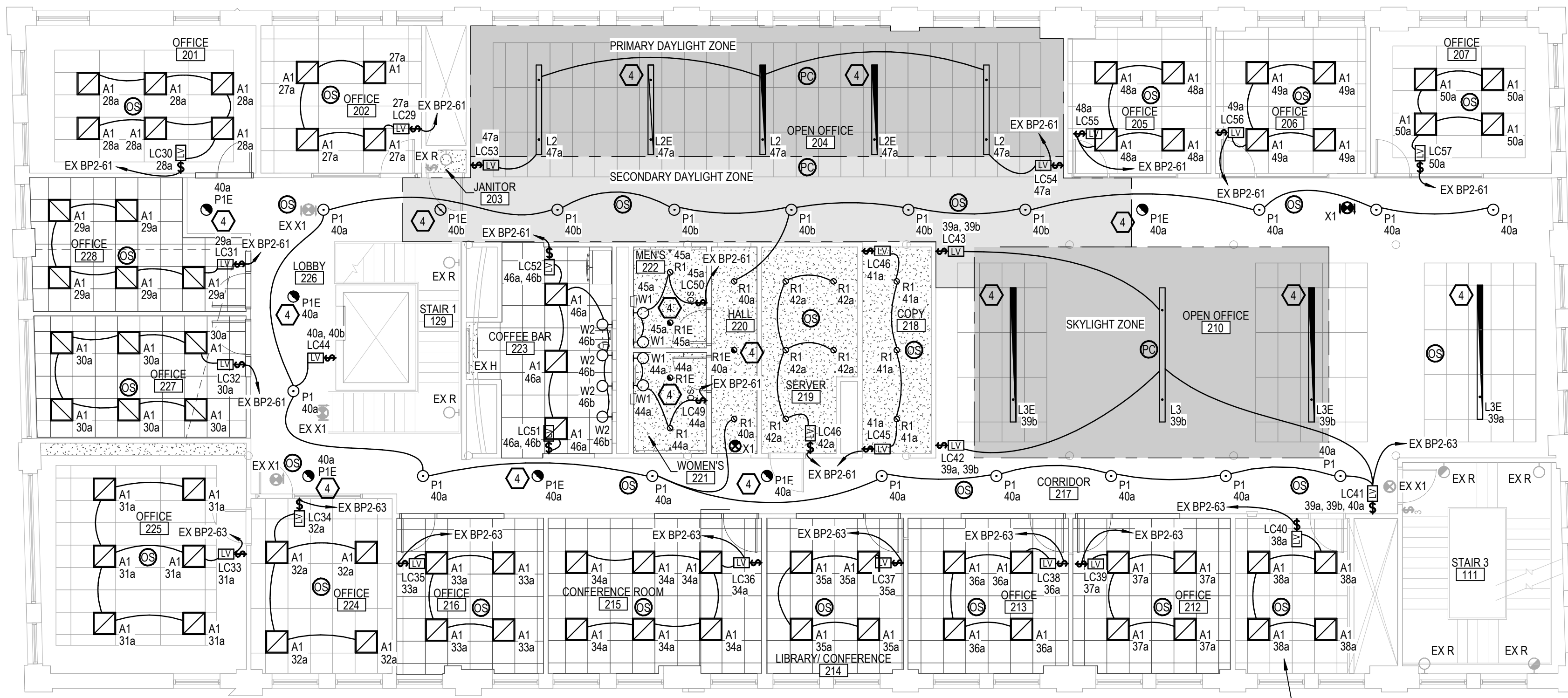
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 BIDS AND PERMITS
 03/09/2023

REVISIONS
 NO. DATE DESCRIPTION

FILE NUMBER 55286044
 PROJECT MANAGER S. HORTON
 PROFESSIONAL D. HERSCHER
 DRAWN BY G. GISCHIA
 CHECKED BY D. HERSCHER



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



2 SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"

LIGHTING GENERAL NOTES

- A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.
- B. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
- C. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
- D. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
- E. ANY MODIFICATIONS TO THE NUMBER, SIZE, AND TYPE OF WIRES OR CONDUITS FROM THOSE INDICATED ON THIS DRAWING ARE PROHIBITED.
- F. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
- G. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
- H. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
- I. USE #10 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET, UNLESS SPECIFICALLY INDICATED OTHERWISE. THIS SHALL BE REQUIRED FOR THE ENTIRE LENGTH OF THE CIRCUIT.

LIGHTING KEYNOTES

- 1. D1 AND D2 FIXTURE HEIGHTS SHOULD MAKE FOR A FLUSH FINISH BETWEEN CONCAVE AND CONVEX FIXTURES.
- 2. REFER TO ARCH SHEETS FOR W1 FIXTURE ELEVATIONS.
- 3. CIRCUIT FIRST FLOOR EMERGENCY LIGHTS TO CIRCUIT EX EMP-13.
- 4. CIRCUIT SECOND FLOOR EMERGENCY LIGHTS TO CIRCUIT EX EMP-17.

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 EL101
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ISSUANCE
 BIDS AND PERMITS
 03/09/2023

REVISIONS
 NO. DATE DESCRIPTION

FILE NUMBER 52286044
 PROJECT MANAGER S. HORTON
 PROFESSIONAL D. HERSCHER
 DRAWN BY G. GISCHIA
 CHECKED BY D. HERSCHER

Branch Panel: EX SM-B

Location: GARAGE G101 Volts: 208Y/120 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Supply From: EX SM Phases: 3 Mains Type: MLO
 Mounting: SURFACE Wires: 4 Mains Rating: 100 A
 Enclosure: NEMA 1 MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	GARAGE LIGHTS	20 A	1	840 VA	2080...		2	20 A	EXISTING LOAD	2	
3	GARAGE DOOR	20 A	1		400 VA	2080...		--	--	4	
5	GARAGE OUTLETS	20 A	1			900 VA	2880...	1	30 A	GO EXT. FAN	6
7	EXISTING LOAD	20 A	1	180 VA	180 VA			1	20 A	EXISTING LOAD	8
9	EXISTING LOAD	20 A	1	180 VA	180 VA			1	20 A	EXISTING LOAD	10
11	EXISTING LOAD	20 A	1			180 VA	180 VA	1	20 A	EXISTING LOAD	12
13	EXISTING LOAD	20 A	1	180 VA	180 VA			1	20 A	EXISTING LOAD	14
15	EXISTING LOAD	20 A	1		180 VA			1	--	SPACE	16
17	SPACE	--	1	--	--	--	--	1	--	SPACE	18
19	SPACE	--	1	--	--	--	--	1	--	SPACE	20
21	SPACE	--	1	--	--	--	--	1	--	SPACE	22
23	SPACE	--	1	--	--	--	--	1	--	SPACE	24
Total Load:				3640 VA	3020 VA	4140 VA					
Total Amps:				31 A	25 A	35 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	10800 VA	100.00%	10800 VA	
				Total Conn. Load: 10800 VA
				Total Est. Demand: 10800 VA
				Total Conn. Current: 30 A
				Total Est. Demand Current: 30 A

Notes:

Branch Panel: EX MP

Location: MECHANICAL 008 Volts: 208Y/120 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Supply From: EX MDP Phases: 3 Mains Type: MLO
 Mounting: SURFACE Wires: 4 Mains Rating: 800 A
 Enclosure: NEMA 1 MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	SPACE	--	1	--	--		1	--	SPACE	2	
3	SPACE	--	1	--	360 VA		1	20 A	EXISTING LOAD	4	
5	SPACE	--	1	--	--	180 VA		3	20 A	EF-1	6
7	RAF-1	35 A	3	2005..	889 VA			3	20 A	EF-1	8
9	--	--	--	--	2005..	889 VA		--	--	--	10
11	--	--	--	--	2005..	889 VA		--	--	--	12
13	EF-2	20 A	3	444 VA	3963...			3	60 A	RTU-1	14
15	--	--	--	--	444 VA	3963...		--	--	--	16
17	--	--	--	--	444 VA	3963...		--	--	--	18
19	AHU-2	60 A	3	5800...	3963...			3	60 A	RTU-3	20
21	--	--	--	--	5800...	3963...		--	--	--	22
23	--	--	--	--	5800...	3963...		--	--	--	24
25	AHU-1	60 A	3	5800...	1489...			3	175 A	ACC-1	26
27	--	--	--	--	5800...	1489...		--	--	--	28
29	--	--	--	--	5800...	1489...		--	--	--	30
31	RTU-2	125 A	3	1212..	1489...			3	175 A	ACC-2	32
33	--	--	--	--	1212..	1489...		--	--	--	34
35	--	--	--	--	1212..	1489...		--	--	--	36
Total Load:				64774 VA	65134 VA	64954 VA					
Total Amps:				540 A	543 A	542 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	192989 VA	100.00%	192989 VA	
Spare	1872 VA	100.00%	1872 VA	
				Total Conn. Load: 194861 VA
				Total Est. Demand: 194861 VA
				Total Conn. Current: 541 A
				Total Est. Demand Current: 541 A

Notes:

Branch Panel: EX SM

Location: MECHANICAL ROOM G102 Volts: 208Y/120 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Supply From: EX MDP Phases: 3 Mains Type: MLO
 Mounting: SURFACE Wires: 4 Mains Rating: 400 A
 Enclosure: NEMA 1 MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	MECHANICAL RM LIGHTS	20 A	1	300 VA	3362...			3	35 A	PUMP #1	2
3	MECHANICAL RM OUTLETS	20 A	1		900 VA	3362...		--	--	--	4
5	SNOW MELT CNTRL PANEL	20 A	1			180 VA	3362...	--	--	--	6
7	BOILER #1	20 A	1	1176...	3362...			3	35 A	PUMP #2	8
9	BOILER #2	20 A	1		1176...	3362...		--	--	--	10
11	BOILER #3	20 A	1		1176...	3362...		3	50 A	PUMP #6	12
13	BOILER #5	20 A	1	1176...	4803...			--	--	--	14
15	BOILER #4	20 A	1		1176...	4803...		--	--	--	16
17	PUMP #7	20 A	1		1176...	4803...		--	--	--	18
19	PUMP #8	20 A	1	1176...	4803...			3	50 A	PUMP #5	20
21	PUMP #9	20 A	1		1176...	4803...		--	--	--	22
23	PUMP #10	20 A	1		1176...	4803...		--	--	--	24
25	EF #1	20 A	1	1176...	4803...			3	50 A	PUMP #4	26
27	UH #1	20 A	1		1176...	4803...		--	--	--	28
29	EXISTING LOAD	20 A	1		1176...	4803...		--	--	--	30
31	EXISTING LOAD	15 A	3	936 VA	4803...			3	50 A	PUMP #3	32
33	--	--	--	--	936 VA	4803...		--	--	--	34
35	--	--	--	--	--	936 VA	4803...	--	--	--	36
37	EXISTING LOAD	20 A	3	1320...	3640...			3	60 A	EX SM-B	38
39	--	--	--	--	1320...	3640...		--	--	--	40
41	--	--	--	--	1320...	4140...		--	--	--	42
Total Load:				36836 VA	36816 VA	37216 VA					
Total Amps:				307 A	307 A	310 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	110868 VA	100.00%	110868 VA	
				Total Conn. Load: 110868 VA
				Total Est. Demand: 110868 VA
				Total Conn. Current: 308 A
				Total Est. Demand Current: 308 A

Notes:

Branch Panel: EX EMP

Location: ELECTRICAL 003 Volts: 208Y/120 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Supply From: EX MDP Phases: 3 Mains Type: MLO
 Mounting: SURFACE Wires: 4 Mains Rating: 800 A
 Enclosure: NEMA 1 MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	ROOM 220 LBS	30 A	1	180 VA	180 VA			1	20 A	1ST FLR COPPER	2	
3	2ND FLR NITE LTS / EX LTS	20 A	1		200 VA	200 VA		1	20 A	1ST FLR NITE LT / EXIT LTS	4	
5	LOBBY 002 / VEST 001 LTS	20 A	1			200 VA	180 VA	1	20 A	RM 014 RECEPPTS	6	
7	BASMT MEN, WOMEN / OFFICE / EAST STAL.	20 A	1	200 VA	180 VA			1	20 A	RM 014 RECEPPTS	8	
9	DRY SYS. COMP.	20 A	1		200 VA	180 VA		1	20 A	RM 014 RECEPPTS	10	
11	EXISTING LOAD	20 A	1			180 VA	180 VA	1	20 A	ELEC RM 003 RECEPPTS	12	
13	FIRST FLOOR EMERGENCY LIGHTS	20 A	1	720 VA	180 VA			1	20 A	ELEC RM 003 RECEPPTS	14	
15	EXISTING LOAD	20 A	1		180 VA	180 VA		1	20 A	DATA 121 RECEPPTS	16	
17	SECOND FLOOR EMERGENCY LIGHTS	20 A	1			1237..	180 VA	1	20 A	DATA 121 RECEPPTS	18	
19	STAIR #1 LTS	20 A	1	100 VA	180 VA			1	20 A	DATA 121 RECEPPTS	20	
21	FIRE ALARM PANEL	20 A	1		100 VA	360 VA		1	20 A	GO BUS 109 RECEPPTS	22	
23	SPARE	20 A	1				0 VA	540 VA	1	20 A	COPY 119 RECEPPTS	24
25	EXISTING LOAD	20 A	1	100 VA	180 VA			1	20 A	COPY 119 RECEPPTS	26	
27	SERVER RM 220 UPS	30 A	1		180 VA	180 VA		1	20 A	GEN. BATT. CHARGER / SERVER 220 RECEP	28	
29	BSMT DATA LT & JUDYS QUAD BY COMP	20 A	1		180 VA	180 VA		1	20 A	SERVER 220 RECEPPTS	30	
31	OFFICE RECEPTION 1ST FLR NORTH	20 A	1	180 VA	0 VA			1	20 A	SERVER 220 RECEPPTS	32	
33	OFFICE RECEPTION 1ST FLR NORTH	20 A	1		180 VA	180 VA		1	20 A	SERVER 220 RECEPPTS	34	
35	EM LIGHTS GARAGE	20 A	1		50 VA	180 VA		1	20 A	1ST FLR CUBICLE RECEPPTS	36	
37	PANEL KIOSK	60 A	3	50 VA	180 VA			1	20 A	1ST FLR CUBICLE RECEPPTS	38	
39	--	--	--	--	0 VA	180 VA		1	20 A	1ST FLR CUBICLE RECEPPTS	40	
41	--	--	--	--	0 VA	180 VA		1	20 A	1ST FLR CUBICLE RECEPPTS	42	
Total Load:				2610 VA	2500 VA	3617 VA						
Total Amps:				22 A	21 A	30 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1957 VA	100.00%	1957 VA	
Spare	6770 VA	100.00%	6770 VA	
				Total Conn. Load: 8727 VA
				Total Est. Demand: 8727 VA
				Total Conn. Current: 24 A
				Total Est. Demand Current: 24 A

Notes:

Branch Panel: EX BP-B2

Location: ELECTRICAL 003 Volts: 208Y/120 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Supply From: EX MDP Phases: 3 Mains Type: MLO
 Mounting: SURFACE Wires: 4 Mains Rating: 225 A
 Enclosure: NEMA 1 MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	GEN. S. BATTERY CHARGER	20 A	2	0 VA	2762...			3	45 A	ECUH-2	2
3	--	--	--	--	0 VA	2762...		--	--	--	4
5	GEN. S. BLOCK HEATER	20 A	1			0 VA	2762...	--	--	--	6
7	QUIP3	20 A	1	600 VA	180 VA			1	20 A	EXTERIOR RECEPTACLE	8
9	HWP-1	--	--	--	1144...	0 VA		1	20 A	SPARE	10
11	--	--	--	--	--	1144...	0 VA	1	20 A	SPARE	12
13	HWP-2	20 A	2	1144...	0 VA			1	20 A	SPARE	14
15	--	--	--	--	1144...	0 VA		1	20 A	SPARE	16
17	BCP-1	20 A	2			1144...	0 VA	1	20 A	SPARE	18
19	--	--	--	--	1144...	0 VA		1	20 A	SPARE	20
21	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	22
23	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	28
29	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	32
33	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	34
35	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	38
39	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	40
41	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	42
Total Load:				5830 VA	5090 VA	5050 VA					
Total Amps:				49 A	42 A	42 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	0 VA	0.00%	0 VA	
Motor	6864 VA	100.00%	6864 VA	
Receptacle	9066 VA	100.00%	9066 VA	
				Total Conn. Load: 15930 VA
				Total Est. Demand: 15930 VA
				Total Conn. Current: 44 A
				Total Est. Demand Current: 44 A

Notes:

Branch Panel: EX BP-B

Location: ELECTRICAL 003 Volts: 208Y/120 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Supply From: EX MDP Phases: 3 Mains Type: MLO
 Mounting: SURFACE Wires: 4 Mains Rating: 225 A
 Enclosure: NEMA 1 MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
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