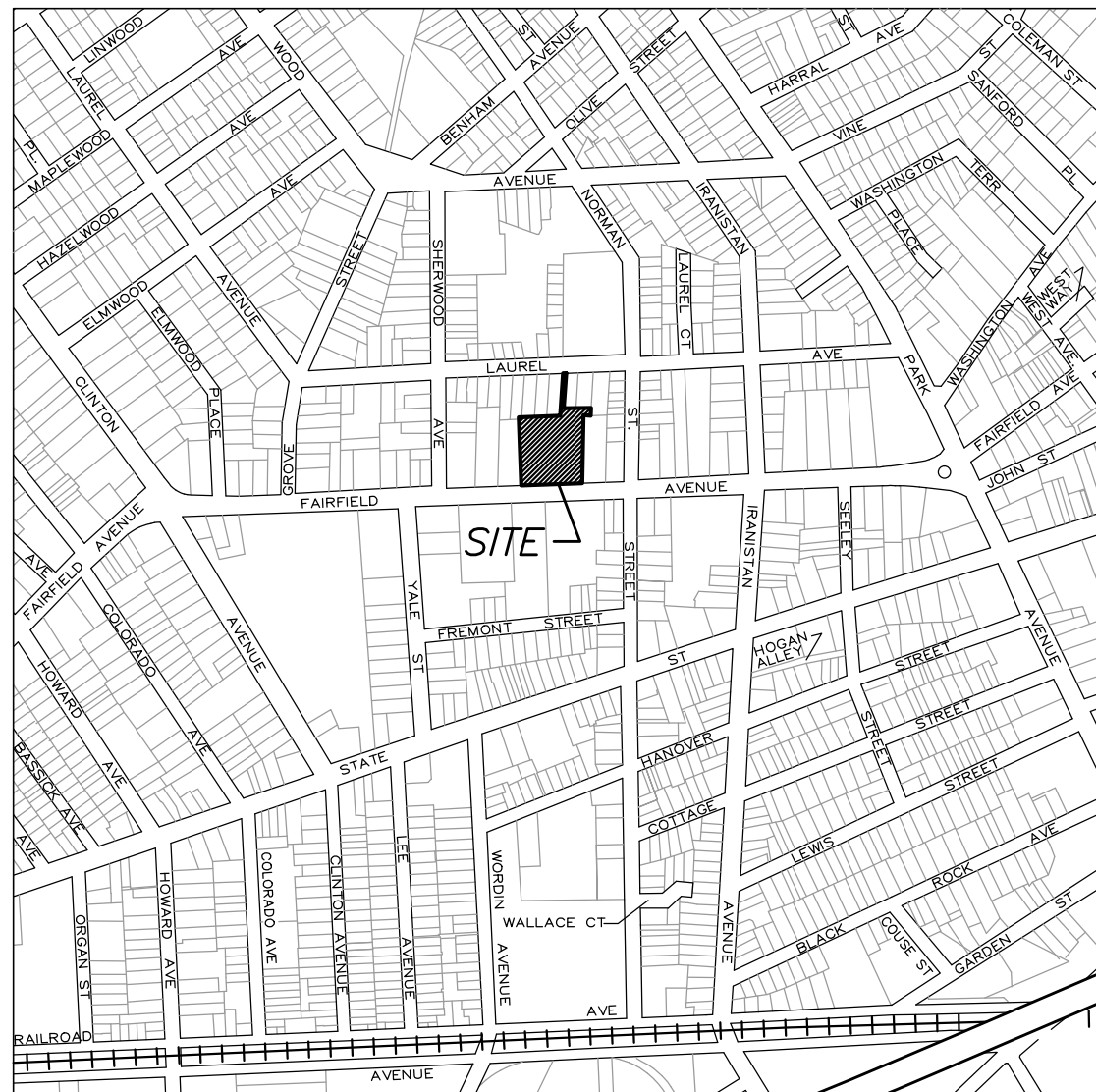


ALTERNATE #1 PARTIAL FIT-OUT
PREPARED FOR:
BEHAVIORAL HEALTH CARE CLINIC
SOUTHWEST COMMUNITY
HEALTH CENTER



VICINITY MAP
SCALE: N.T.S.

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

SHEET TITLE INDEX:

COVER SHEET	
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A-101	PROPOSED FLOOR PLAN
EG-101	EGRESS FLOOR PLAN
AC-101	CEILING PLANS
A-201	ENLARGED PLANS
A-202	INTERIOR ELEVATIONS
A-203	INTERIOR ELEVATIONS
A-204	INTERIOR ELEVATIONS
A-301	MILLWORK SECTIONS
A-302	MILLWORK SECTIONS
A-601	WALL TYPES AND DETAILS
A-601	DOOR AND FINISH SCHEDULES
A-602	DOOR/FRAME AND FINISH DETAILS
A-603	STOREFRONT DETAILS AND SECTIONS

FIRE PROTECTION DRAWINGS:	
FP001	FIRE PROTECTION NOTES AND SYMBOLS
FP100	FIRE PROTECTION PARTIAL FLOOR PLAN
PLUMBING DRAWINGS:	
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P100	PLUMBING PARTIAL FLOOR PLAN
P101	PLUMBING PARTIAL FLOOR PLAN

MECHANICAL DRAWINGS:	
M001	MECHANICAL NOTES & SYMBOLS
M100	MECHANICAL PARTIAL FLOOR PLAN

ELECTRICAL DRAWINGS:	
EG-1	GENERAL NOTES, SYMBOL LEGENDS, ELECTRICAL ABBREVIATIONS & DWG. LIST
ES-1	ELECTRICAL SPECIFICATIONS
ES-2	ELECTRICAL SPECIFICATIONS
E-1	LIGHTING SCHEDULE, DETAILS AND COMCHECK REPORT
E-2	FIRE ALARM RISER DIAGRAM, DETAILS, AND NOTES
E-3	ELECTRICAL RISER DIAGRAM, SCHEDULES, AND NOTES
EL-1	LIGHTING REFLECTED CEILING PLAN
EL-2	LIGHTING PHOTOMETRIC FLOOR PLAN
EL-3	LIGHTING CONTROLS FLOOR PLAN
EP-1	POWER & FIRE ALARM FLOOR PLAN & NOTES

CODES TO WHICH THIS SPACE WAS DESIGNED

2022 CONNECTICUT STATE BUILDING CODE (CSBC)
– INTERNATIONAL BUILDING CODE / 2021 (IBC)
– INTERNATIONAL EXISTING BUILDING CODE / 2021 (IEBC)
– INTERNATIONAL MECHANICAL CODE / 2021 (IMC)
– INTERNATIONAL PLUMBING CODE / 2021 (IPC)
– NATIONAL ELECTRIC CODE, NFPA 70 / 2020 (NEC)
– INTERNATIONAL ENERGY CONSERVATION CODE / 2021 (IECC)
– ACCESSIBLE AND USABLE BUILDINGS & FACILITIES / 2017ICC A117.1
CONNECTICUT AMENDMENTS / 2022 / STATE BUILDING CODE

2022 CONNECTICUT STATE FIRE CODE (CSFSC)
– INTERNATIONAL FIRE CODE / 2021 (IFC)
– NFPA 101, LIFE SAFETY CODE / 2021 (NFPA 101)
CONNECTICUT AMENDMENTS / 2022 / STATE FIRE SAFETY CODE

USE GROUP: B – BUSINESS
TYPE OF CONSTRUCTION = IIIB
BUILDING SPRINKLER: SPRINKLERED

GENERAL NOTES:

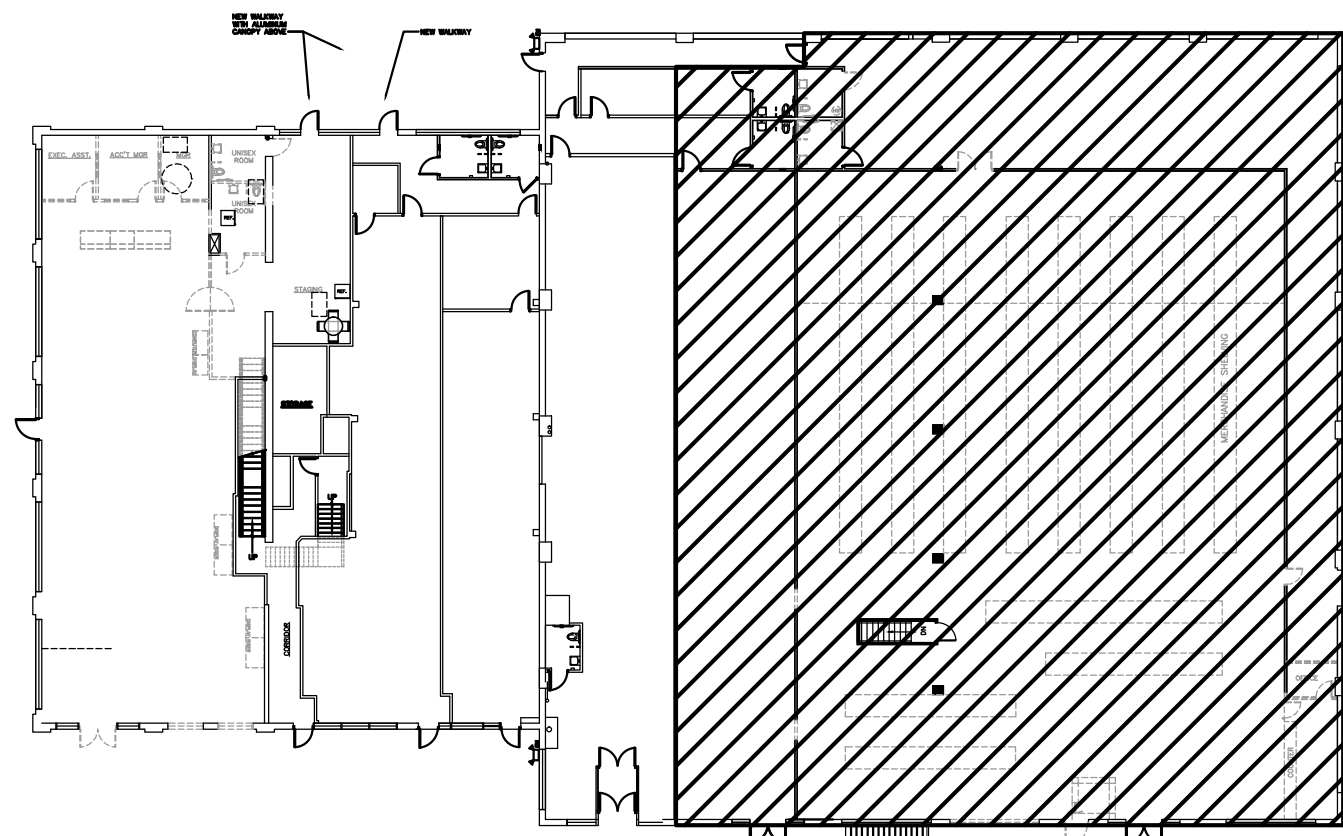
1. EXISTING CONDITIONS SHALL BE VERIFIED PRIOR TO BID & CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER AND ARCHITECT IN WRITING. THE PROJECT MANAGER AND ARCHITECT WILL CLARIFY ANY DISCREPANCIES VIA ADDENDUM OR WRITTEN RESPONSE.
2. WHERE EXISTING CONSTRUCTION IS REMOVED PATCH ALL AREAS WITH MATERIALS CONSISTENT WITH EXISTING INCLUDING ADJACENT SURFACES. MATCH AND BLEND PATCHED AREAS INTO EXISTING.
3. THE INFORMATION SHOWN ON THESE DRAWINGS IS BASED UPON THE INFORMATION SHOWN ON THE BUILDING PLANS AND LIMITED FIELD INVESTIGATIONS AND MAY OR MAY NOT REFLECT ACTUAL FILED CONDITIONS. THE CONTRACTOR SHALL VERIFY THE INFORMATION INDICATED ON THESE DRAWINGS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING HIS BID.
4. THIS CONTRACTOR IS REQUIRED TO PERFORM THIS WORK IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC., AND TO MEET THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION AND OWNER, WHETHER OR NOT SPECIFICALLY INDICATED OR SPECIFIED ON THIS DRAWING.
5. ALL PENETRATIONS THRU FIRE RATED WALLS SHALL BE FIRE STOPPED WITH "THOMAS AND BETTS" – FLAMESAFE, TYPE FST FIRESTOP COMPOUND OR APPROVED EQUIVALENT. CONFORMING TO ASME E814/UL1479.
6. MAINTAIN ALL RATED SEPARATIONS. ALL PENETRATIONS TO BE SEALED AS PER ASTM E-814/2015 IBC CHAPTER 7.

ARCHITECT: **ROSE • TISO & CO. LLC.** JOB NO. 2531

ROSE • TISO & CO. LLC.
ARCHITECTS • SURVEYORS • ENGINEERS
WWW.ROSETISO.COM
35 BENTWOOD AVENUE, FAIRFIELD, CT 06425
TEL: (203) 10-6562 • FAX: (203) 10-6404

ELECTRICAL ENGINEERS: **MUSCO ENGINEERING ASSOCIATES**
ME
375 Morgan Lane, Unit 307
West Haven, CT 06516
(203) 932-1901 FAX (203) 931-1550
www.muscoengineering.com

MECHANICAL ENGINEERS: **KUEGLER ASSOCIATES**
K consulting engineers
www.kueglerassociates.com
Connecticut Office
51 Depot St., Suite 104, Watertown, CT 06795
Phone: (860) 945-6955
Massachusetts Office
203 Kendall Rd., Tewksbury, MA 01876
Phone: (978) 640-1794

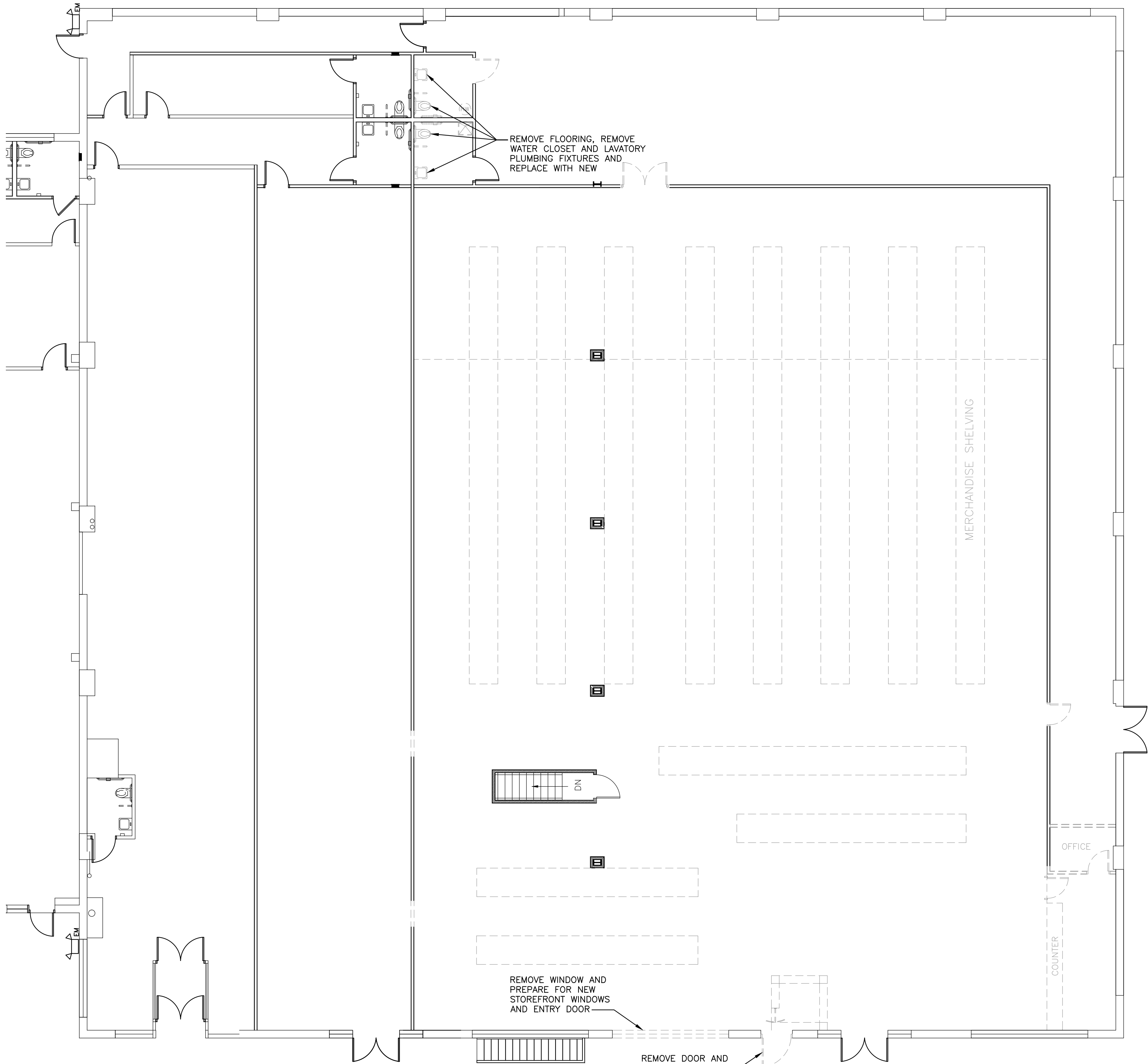


AREA OF WORK: BEHAVIOR
HEALTH
CARE CLINIC

FIRST FLOOR KEY PLAN
SCALE: N.T.S.

FLOOR PLAN LEGEND:

- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- NEW DOOR
- EXISTING WALL TO BE REMOVED
- EXISTING WALL TO REMAIN



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

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

**BEHAVIORAL HEALTH
CARE CLINIC**

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**

SHEET TITLE

**DEMOLITION
FLOOR PLAN**

DESIGNED BY: PMR	SCALE: AS NOTED
DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-BEHAVIORAL_HEALTH_2024	

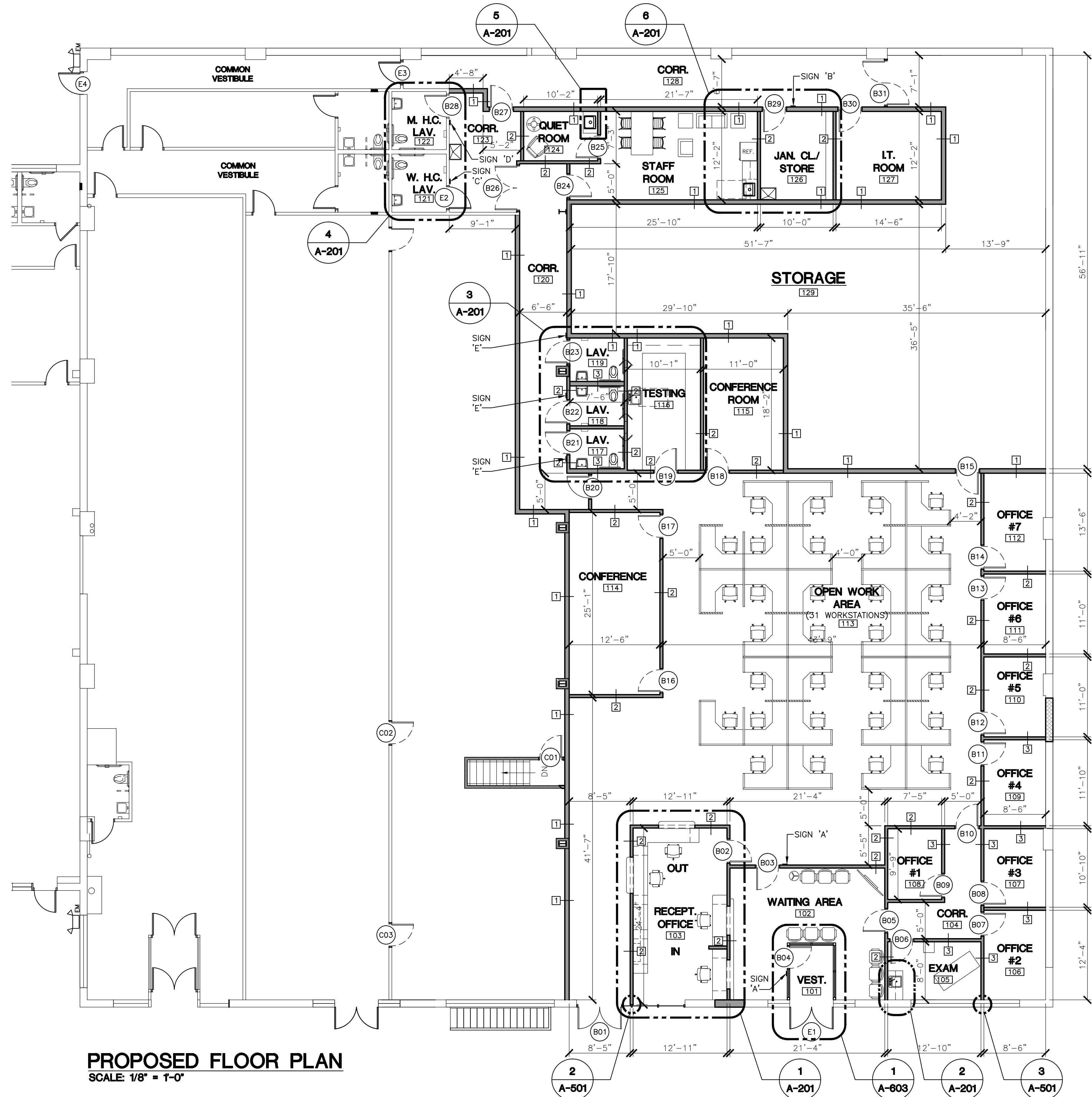
SEAL

SHEET NUMBER

AD-101

FLOOR PLAN LEGEND:

- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- NEW DOOR
- EXISTING WALL TO BE REMOVED
- EXISTING WALL TO REMAIN
- NEW FULL WALL
- DOOR NUMBER (SEE A-601)
- WALL TYPE (SEE A-501)



REVISIONS			
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PROJECT TITLE

**BEHAVIORAL HEALTH
CARE CLINIC**

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**

SHEET TITLE

**PROPOSED
FLOOR PLAN**

DESIGNED BY: PMR	SCALE: AS NOTED
DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-Behavioral Health_2024	

SEAL

STATE OF CONNECTICUT
ARCHITECT M. ROSE
LICENSED PROFESSIONAL

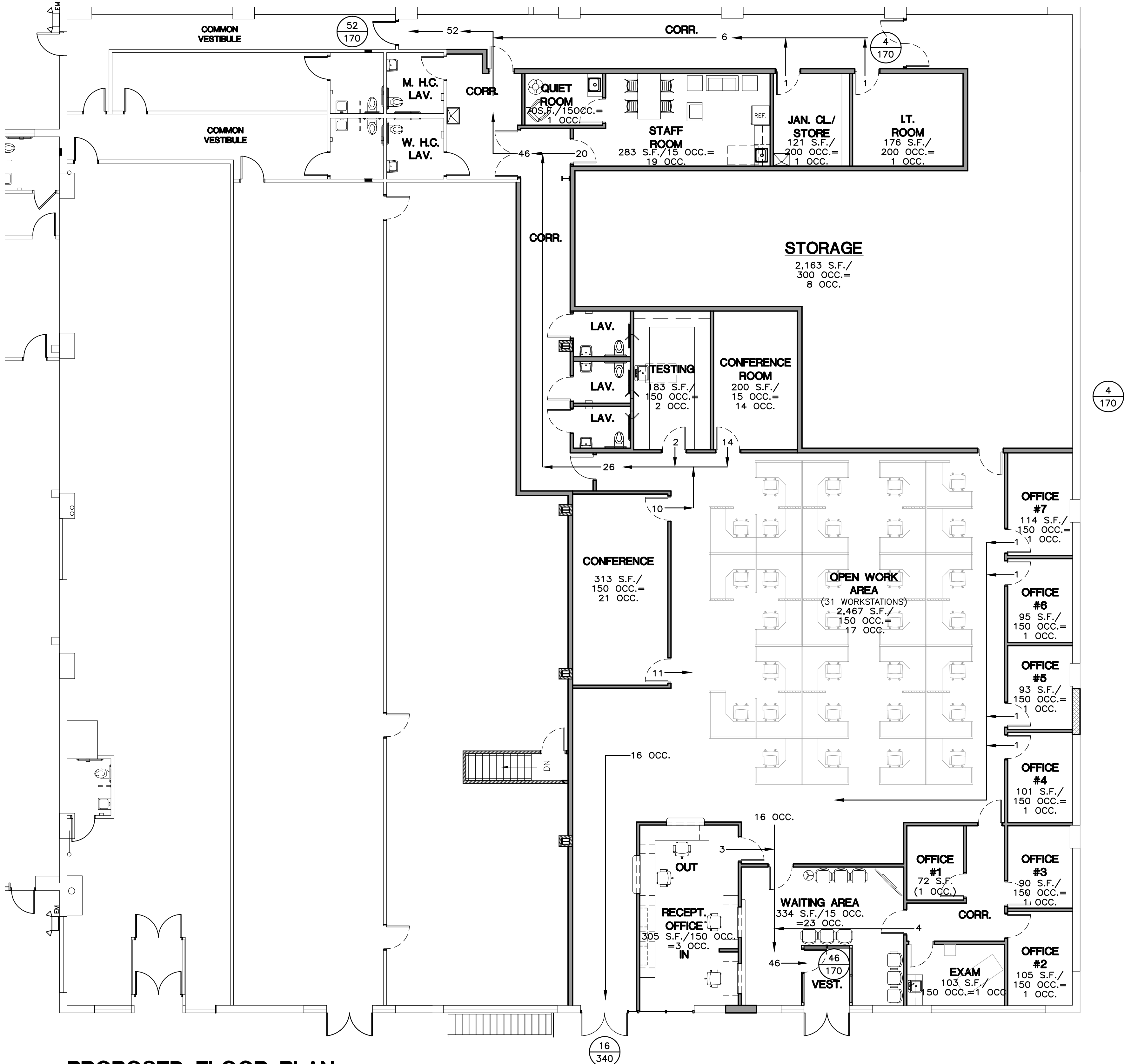
SHEET NUMBER

A-101

OCCUPANCY LOAD SYMBOL

= # OF OCCUPANCY
= ALLOWED OCCUPANTS
LOAD THRU OPENING

TOTAL OCCUPANCY = 47 OCCUPANCY @ URGENT CARE
TOTAL OCCUPANCY = 204 OCCUPANCY @ BEHAVIOR HEALTH



PROPOSED FLOOR PLAN
SCALE: 1/4" = 1'-0"

REVISIONS			
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PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

SOUTHWEST COMMUNITY HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605

SHEET TITLE

EGRESS FLOOR PLAN


DESIGNED BY: PMR	SCALE: AS NOTED
DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-BEHAVIORAL HEALTH_2024	


SEAL


SHEET NUMBER


EG-101


REFLECTED CEILING LEGEND:


- 


RETURN DIFFUSER
- 


SUPPLY DIFFUSER
- 


EXHAUST FAN
- 


2x2 FLUORESCENT LIGHT
- 


2x2 FLUORESCENT LIGHT, EMERGENCY LIGHT
- 

2x4 FLUORESCENT LIGHT
- 


2x4 FLUORESCENT LIGHT, EMERGENCY LIGHT
- 


1x4 FLUORESCENT LIGHT
- 


1x4 FLUORESCENT LIGHT, EMERGENCY LIGHT
- 


DOWN LIGHT
- 

DOWN LIGHT, EMERGENCY LIGHT

- 

2x2 CEILING GRID
- 

GYPSUM BOARD CEILING
- 

EXIT SIGN
- 

SPRINKLER HEADS



PROPOSED CEILING PLAN
SCALE: 1/8" = 1'-0"

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

**BEHAVIORAL HEALTH
CARE CLINIC**

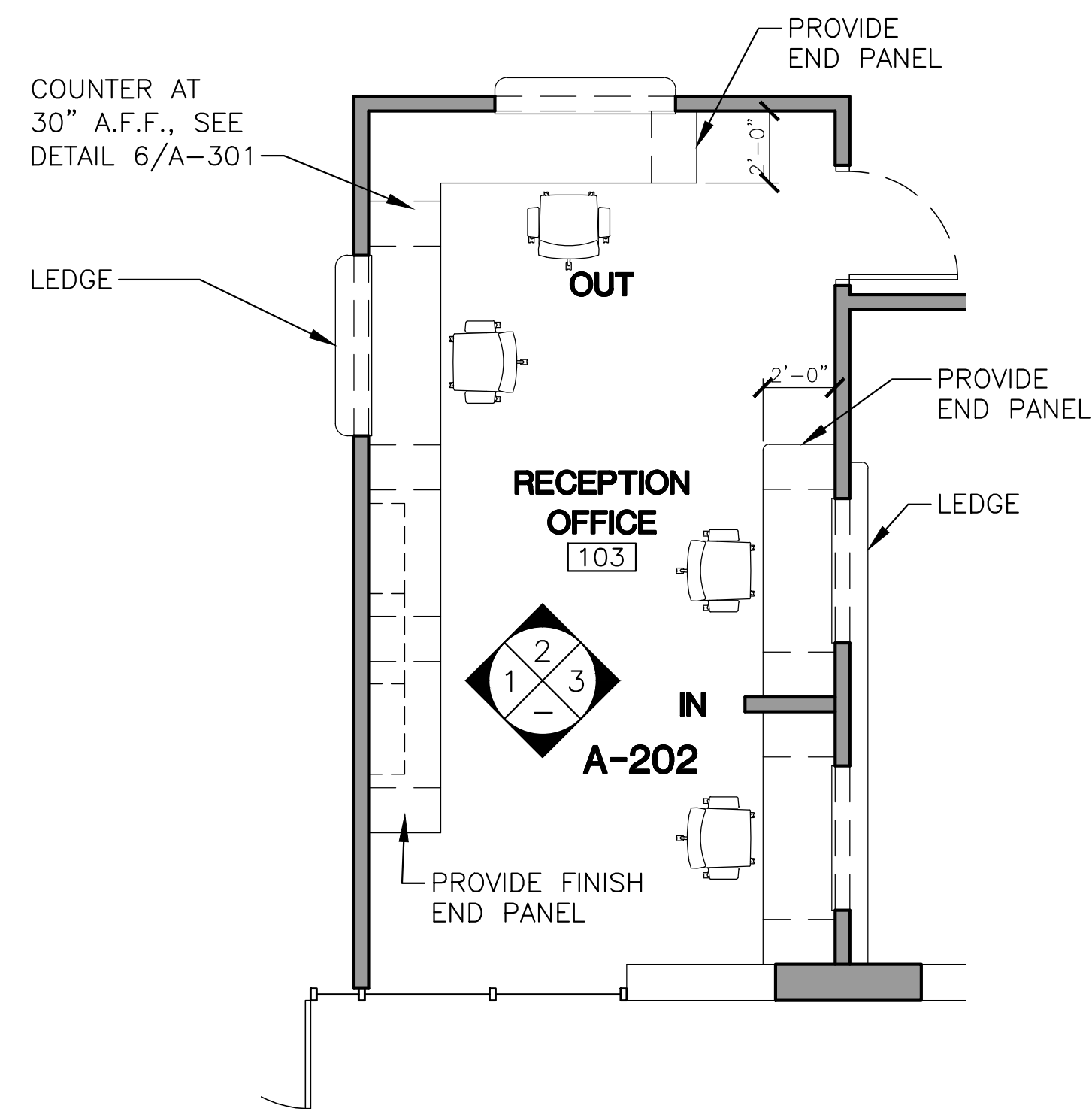
1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:
**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**

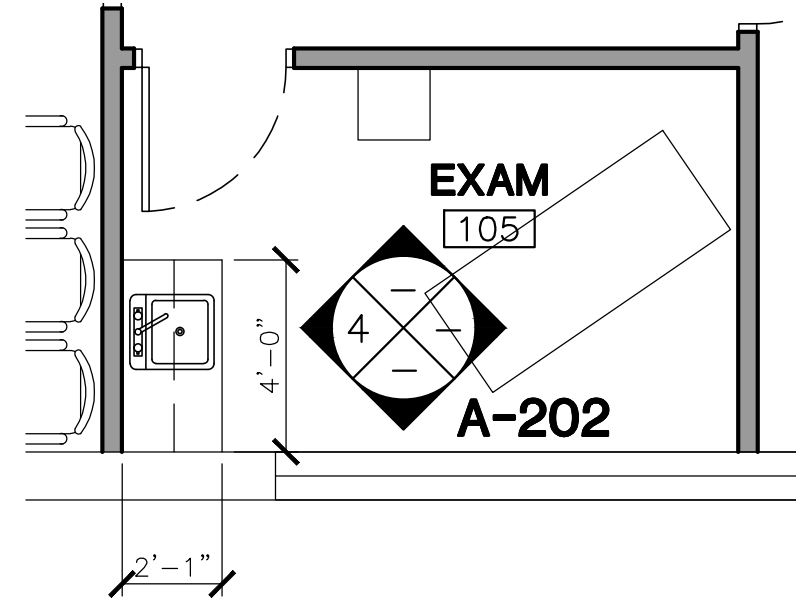
SHEET TITLE

**PROPOSED
CEILING PLAN**

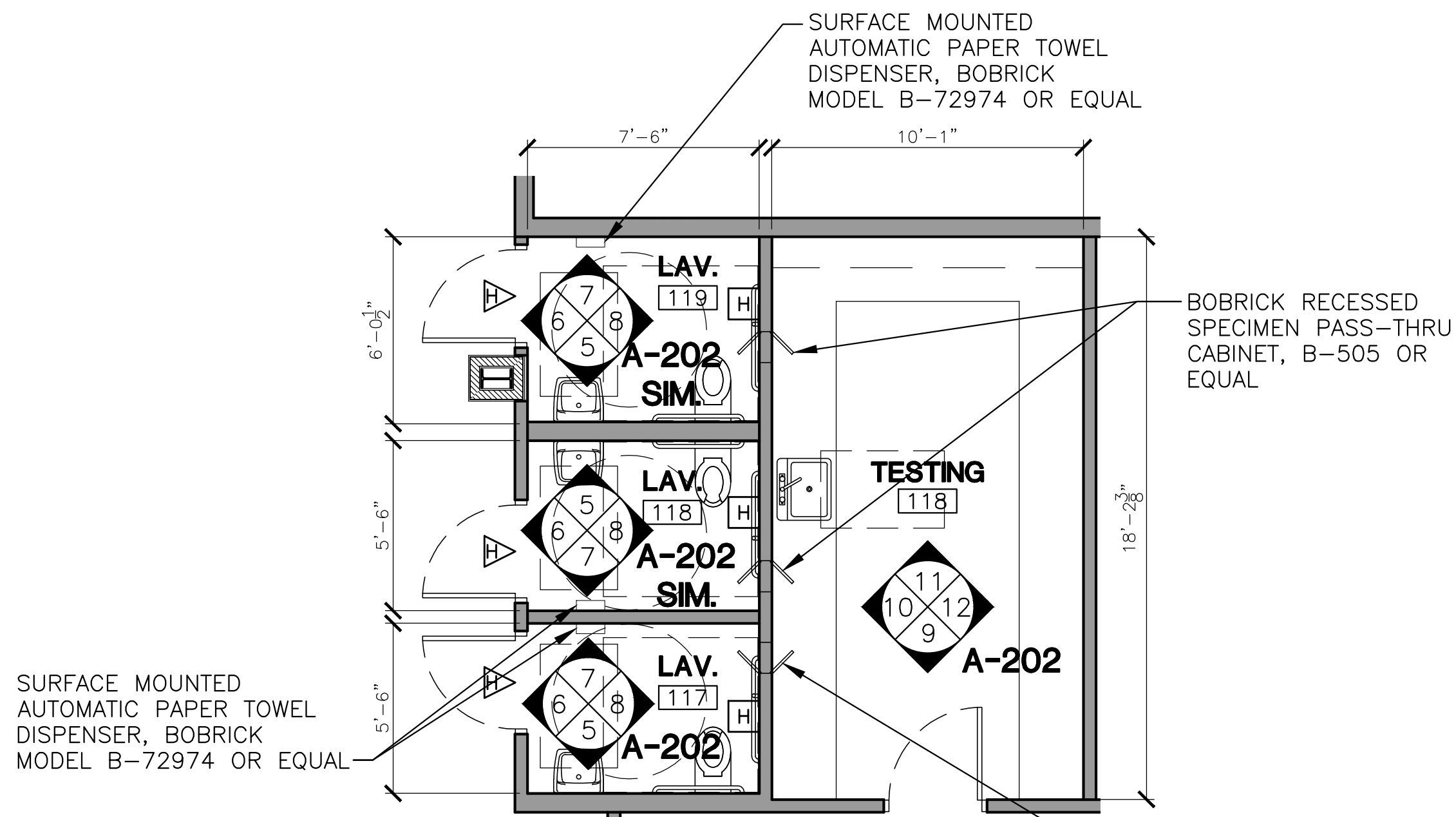
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DRAWN BY: MS	DATE: 08-16-2024
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CAD FILE: R:/2531/ARCH-BEHAVIORAL_HEALTH_2024	



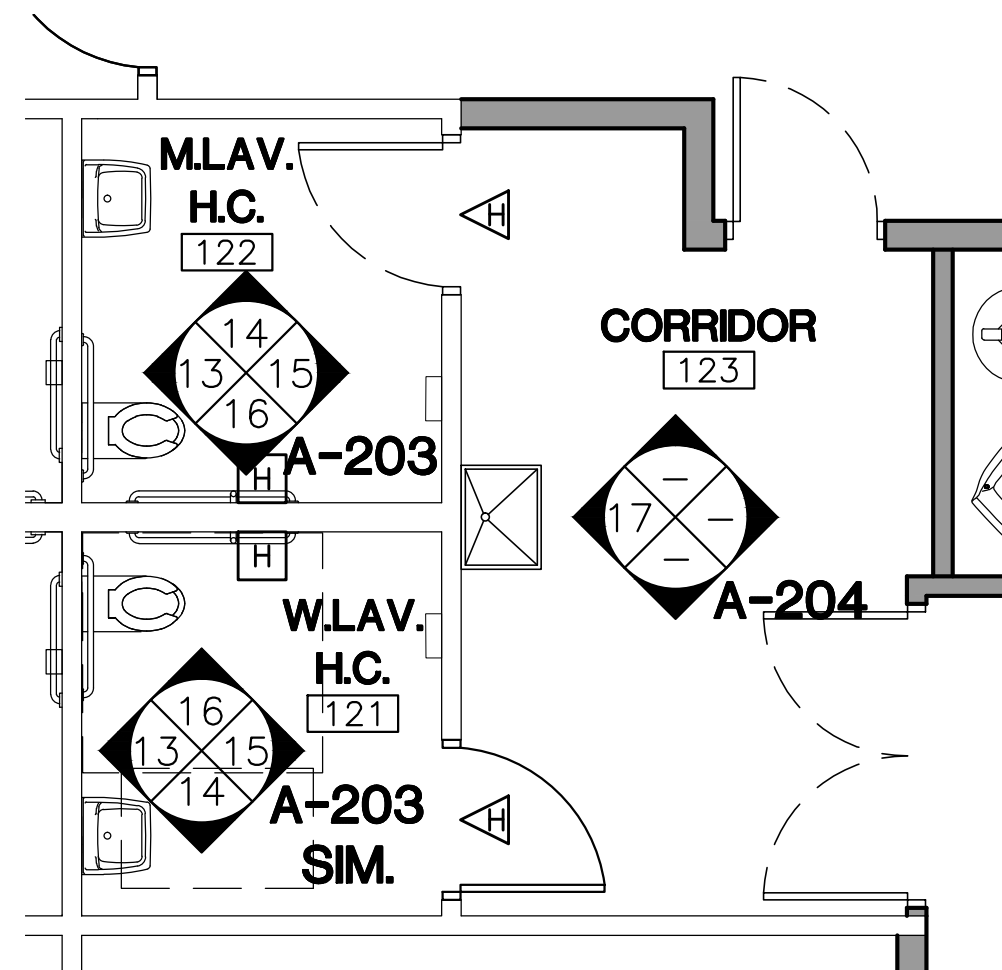
1 ENLARGED FLOOR PLAN
A-201 SCALE: 1/4" = 1'-0"



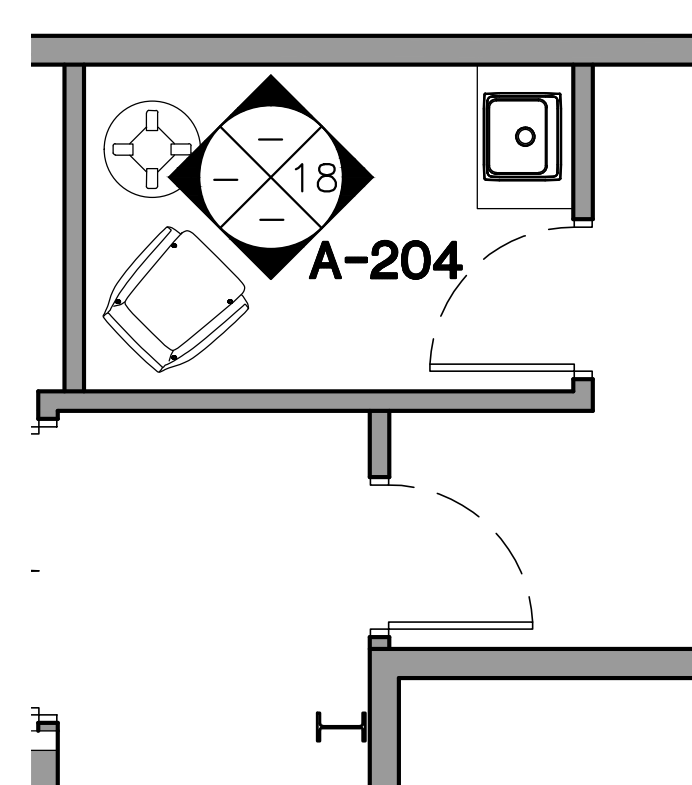
2 ENLARGED FLOOR PLAN
A-201 SCALE: 1/4" = 1'-0"



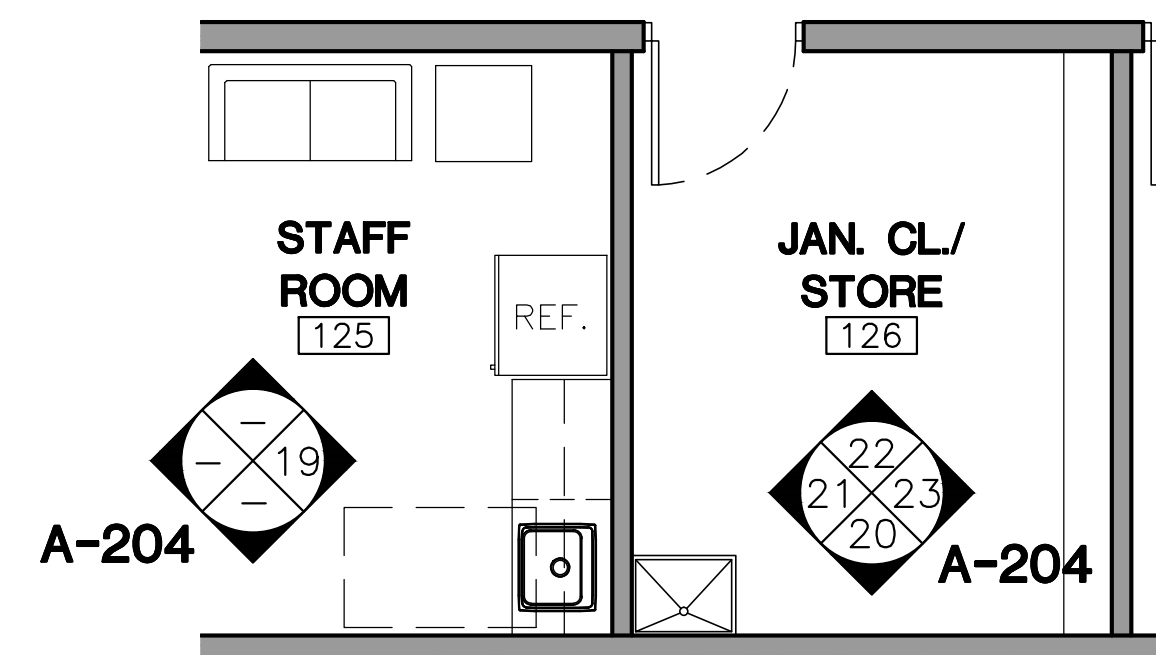
3 ENLARGED FLOOR PLAN
A-201 SCALE: 1/4" = 1'-0"



4 ENLARGED FLOOR PLAN
A-201 SCALE: 1/4" = 1'-0"



5 ENLARGED FLOOR PLAN
A-201 SCALE: 1/4" = 1'-0"



6 ENLARGED FLOOR PLAN
A-201 SCALE: 1/4" = 1'-0"

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BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

SOUTHWEST COMMUNITY HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605

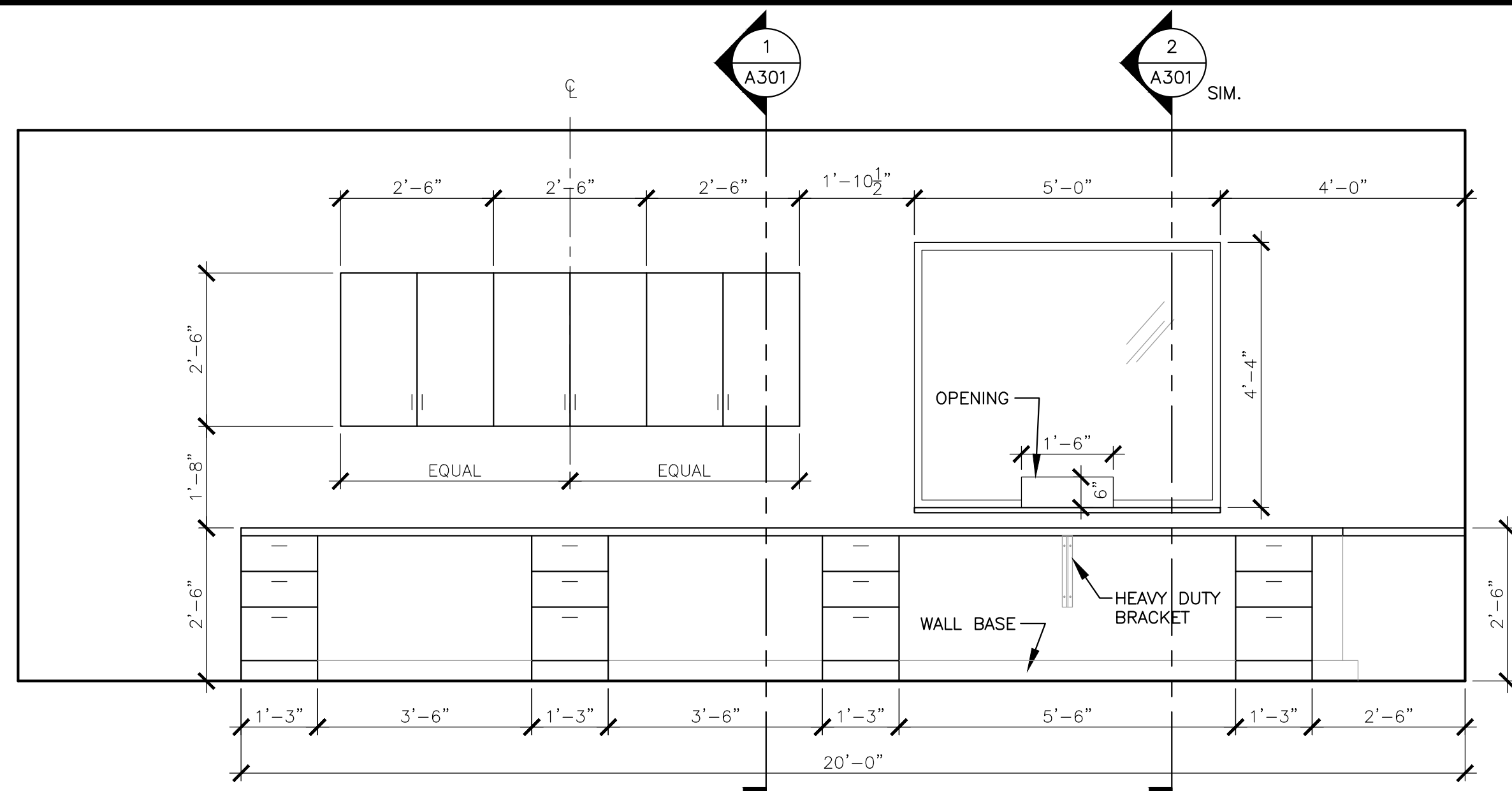
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ENLARGED FLOOR PLANS	
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SEAL

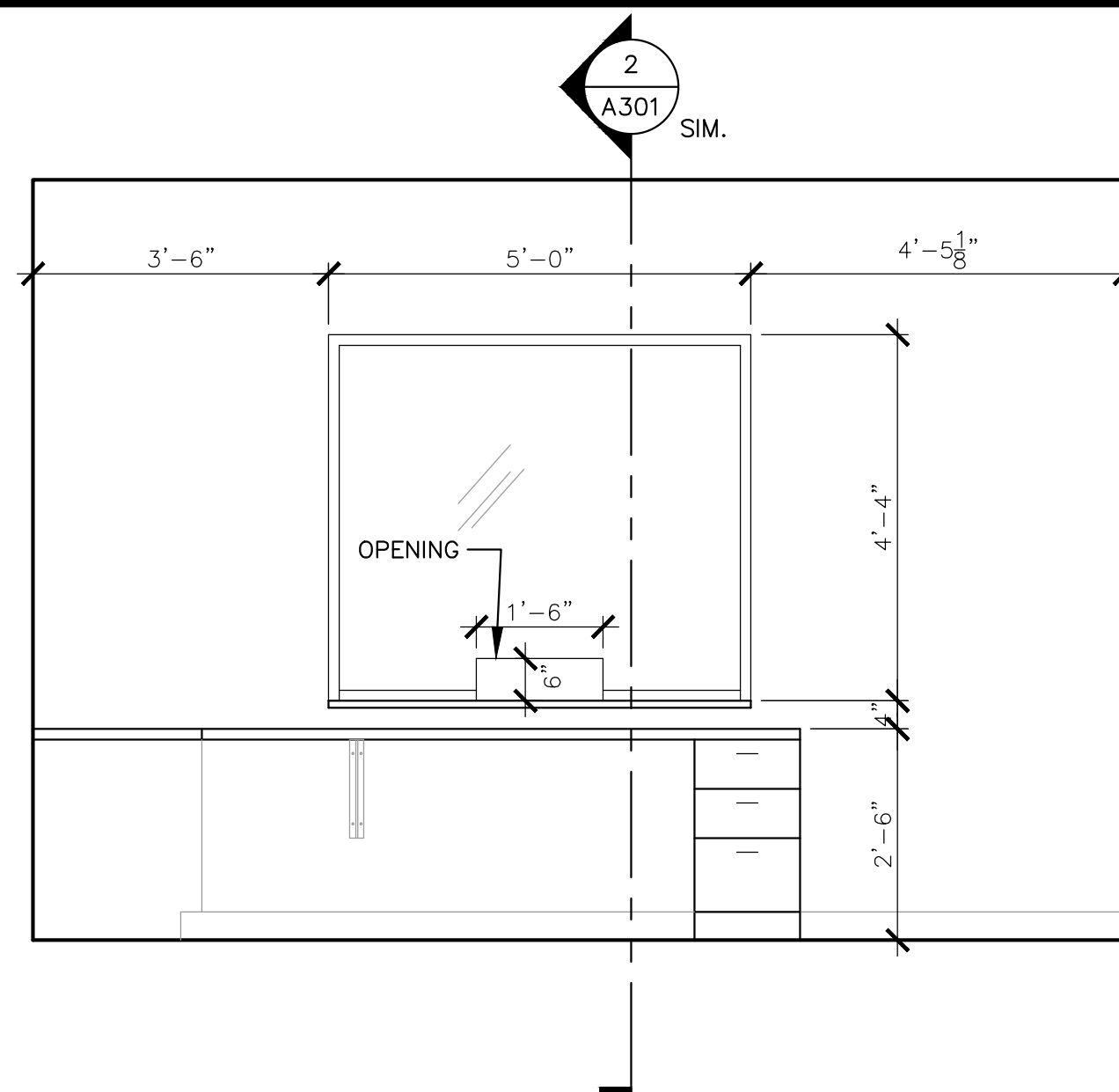
STATE OF CONNECTICUT
ARCHITECT M. ROSE
LICENSED ARCHITECT

SHEET NUMBER

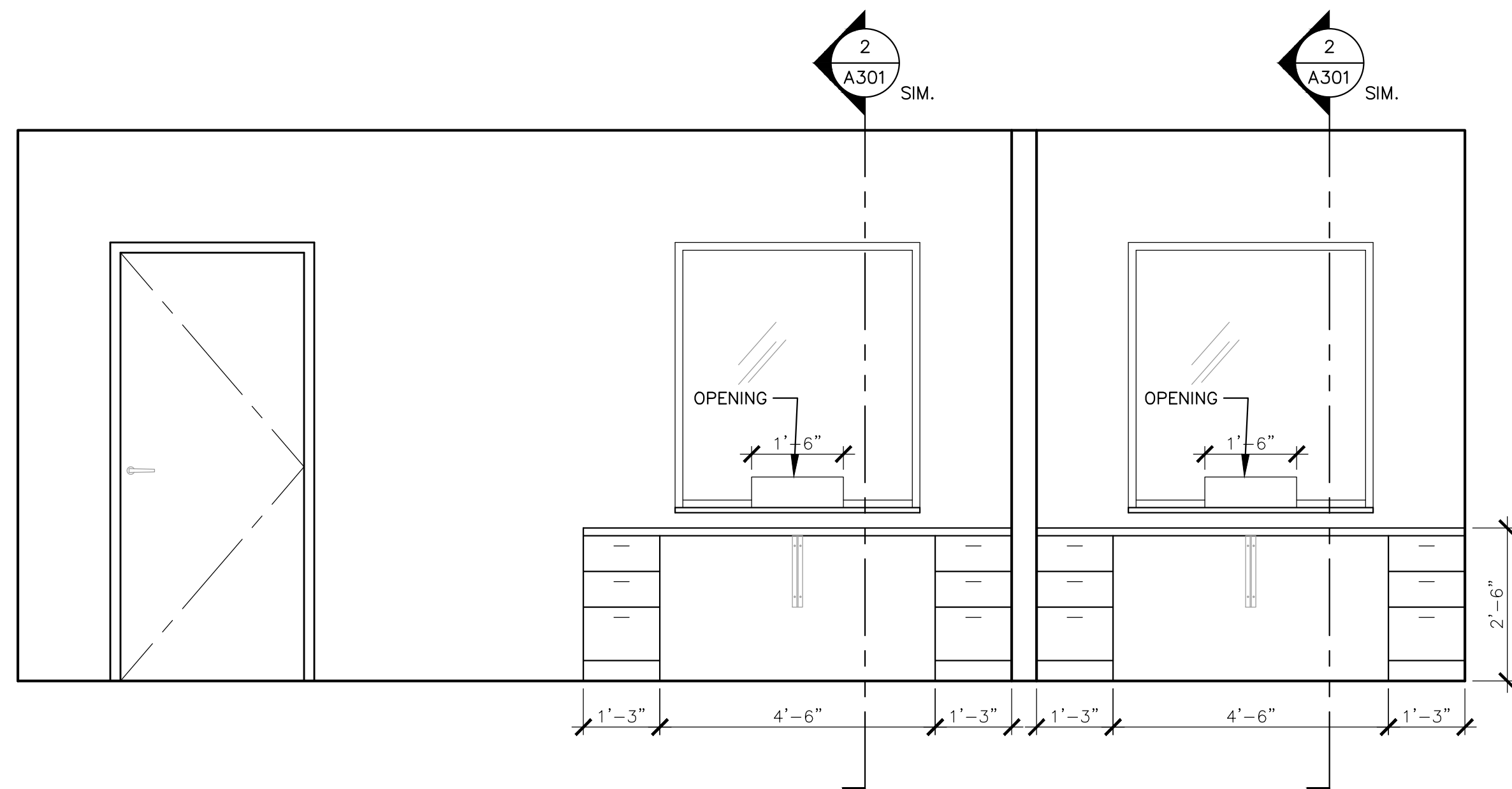
A-201



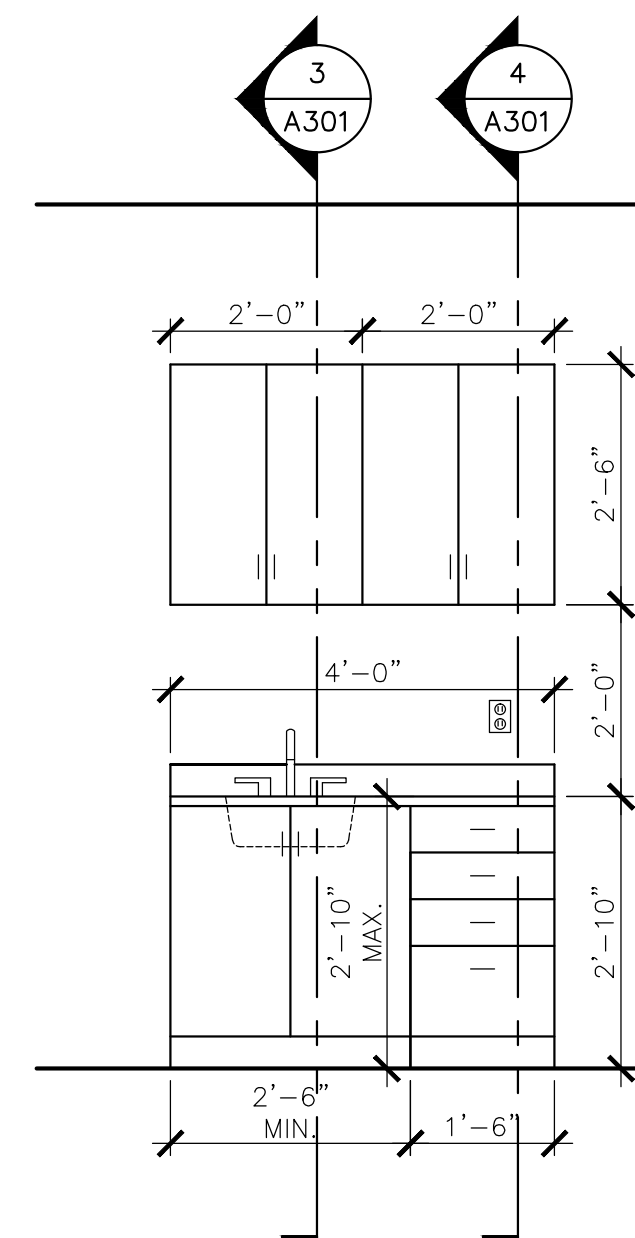
1 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



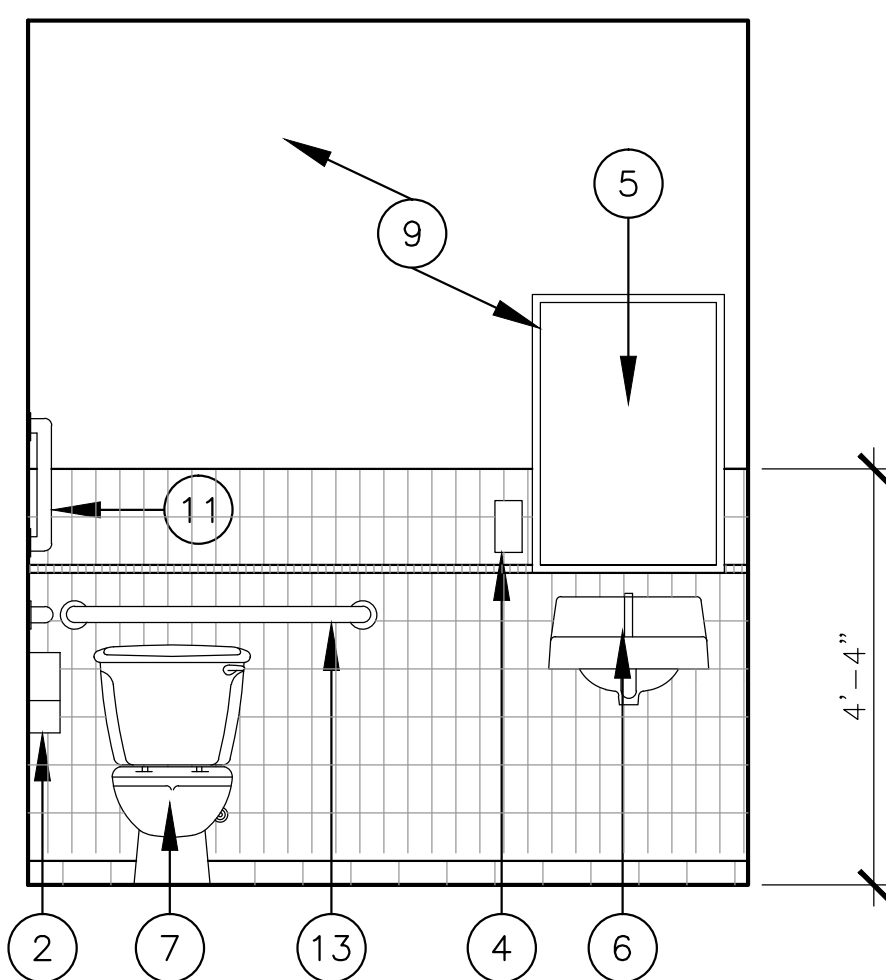
2 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



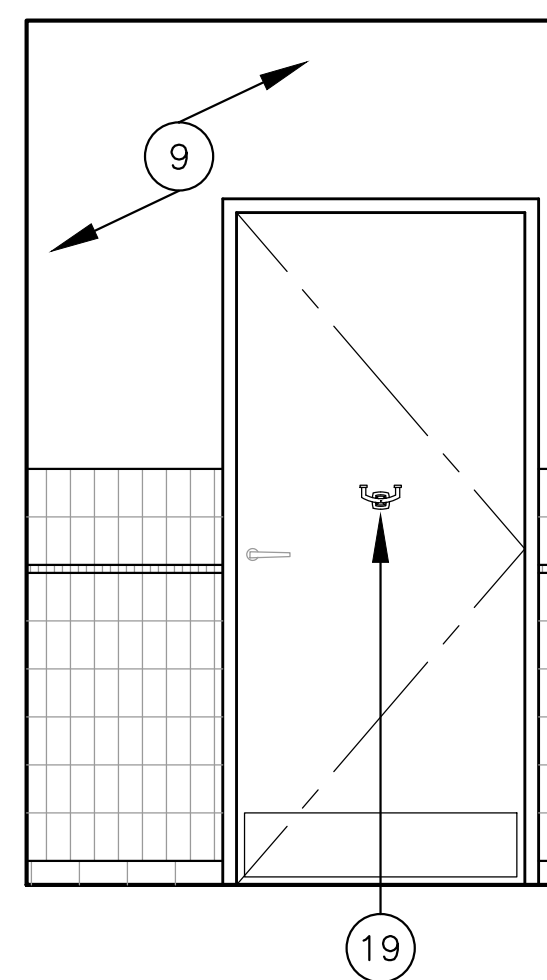
3 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



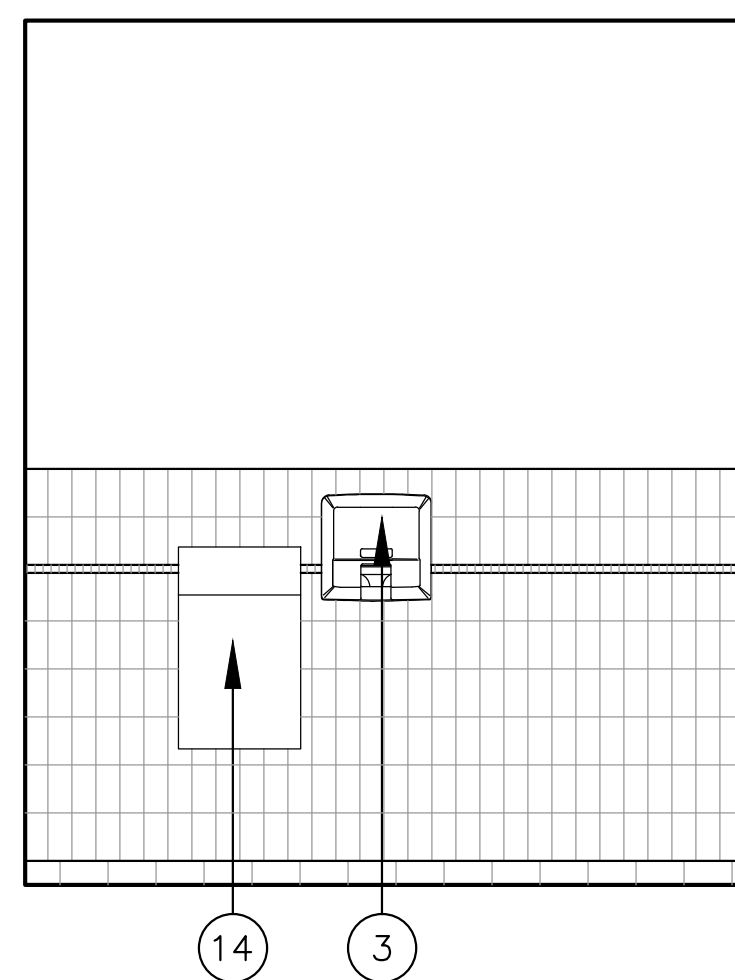
4 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



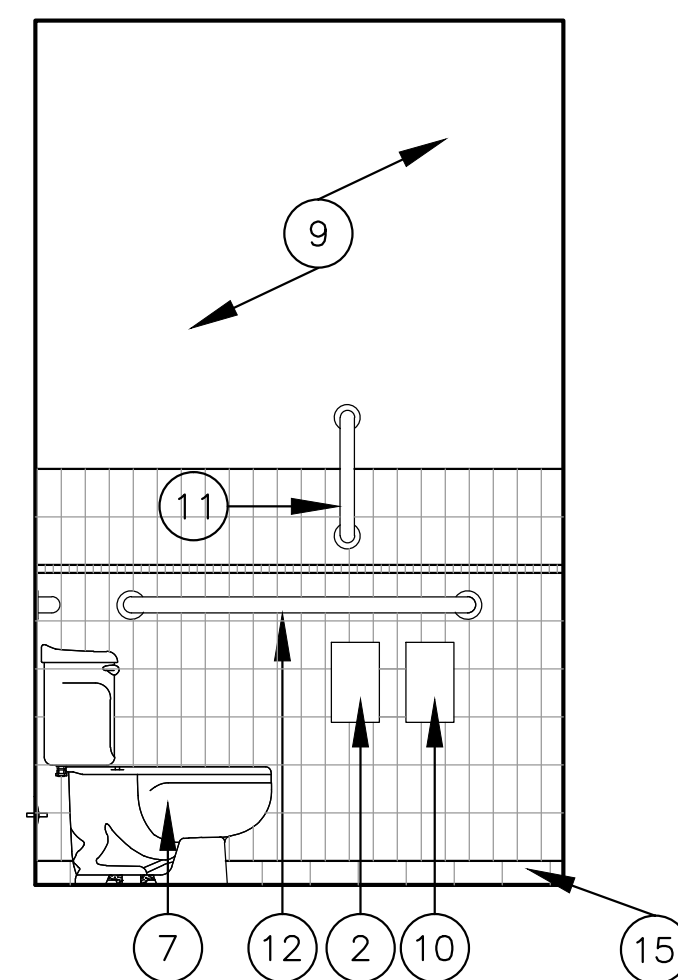
5 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



6 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



7 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"



8 MILLWORK ELEVATION
A-202 SCALE: 1/2" = 1'-0"

REVISIONS			
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PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

SOUTHWEST COMMUNITY HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605

SHEET TITLE

INTERIOR ELEVATIONS

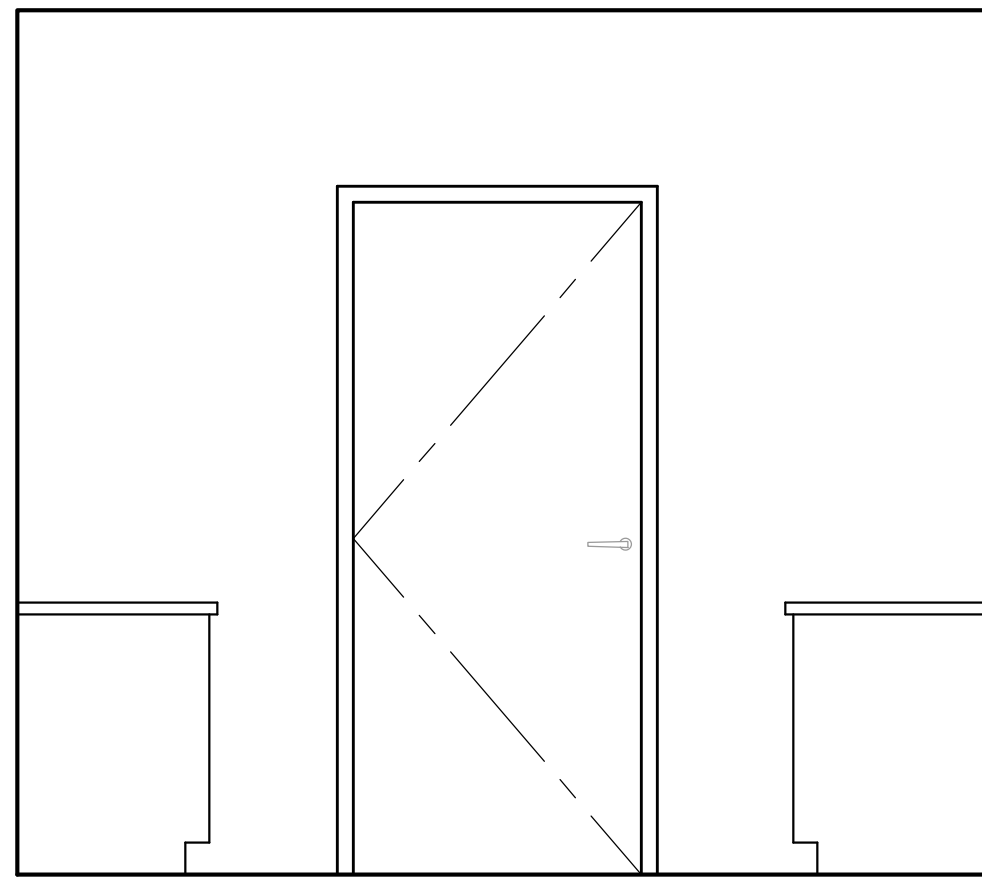
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DRAWN BY: MS	DATE: 08-16-2024
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CAD FILE: R:/2531/ARCH-Behavioral Health_2024	

SEAL

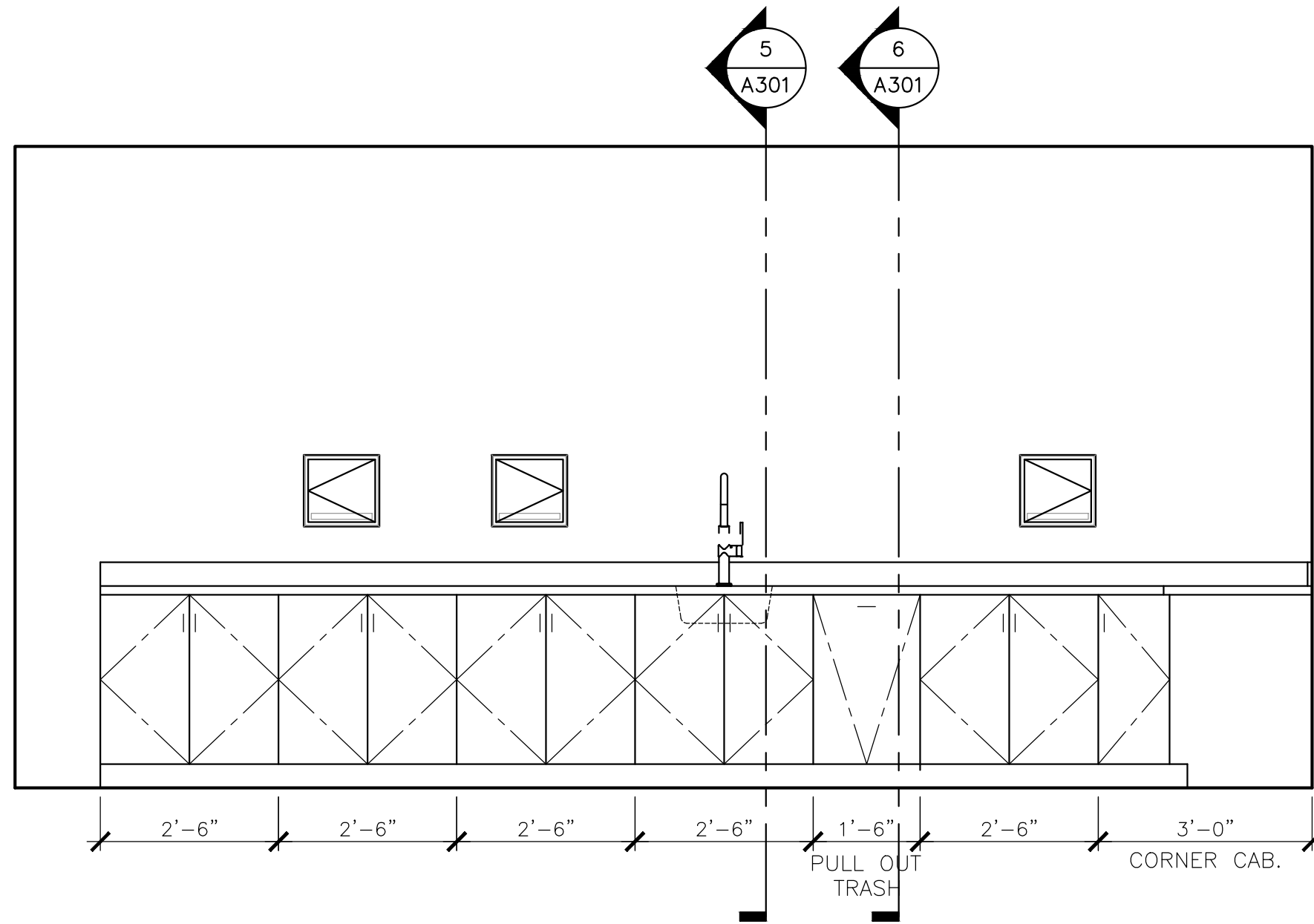
STATE OF CONNECTICUT
ARCHITECT M. ROSE
LICENSED ARCHITECT

SHEET NUMBER

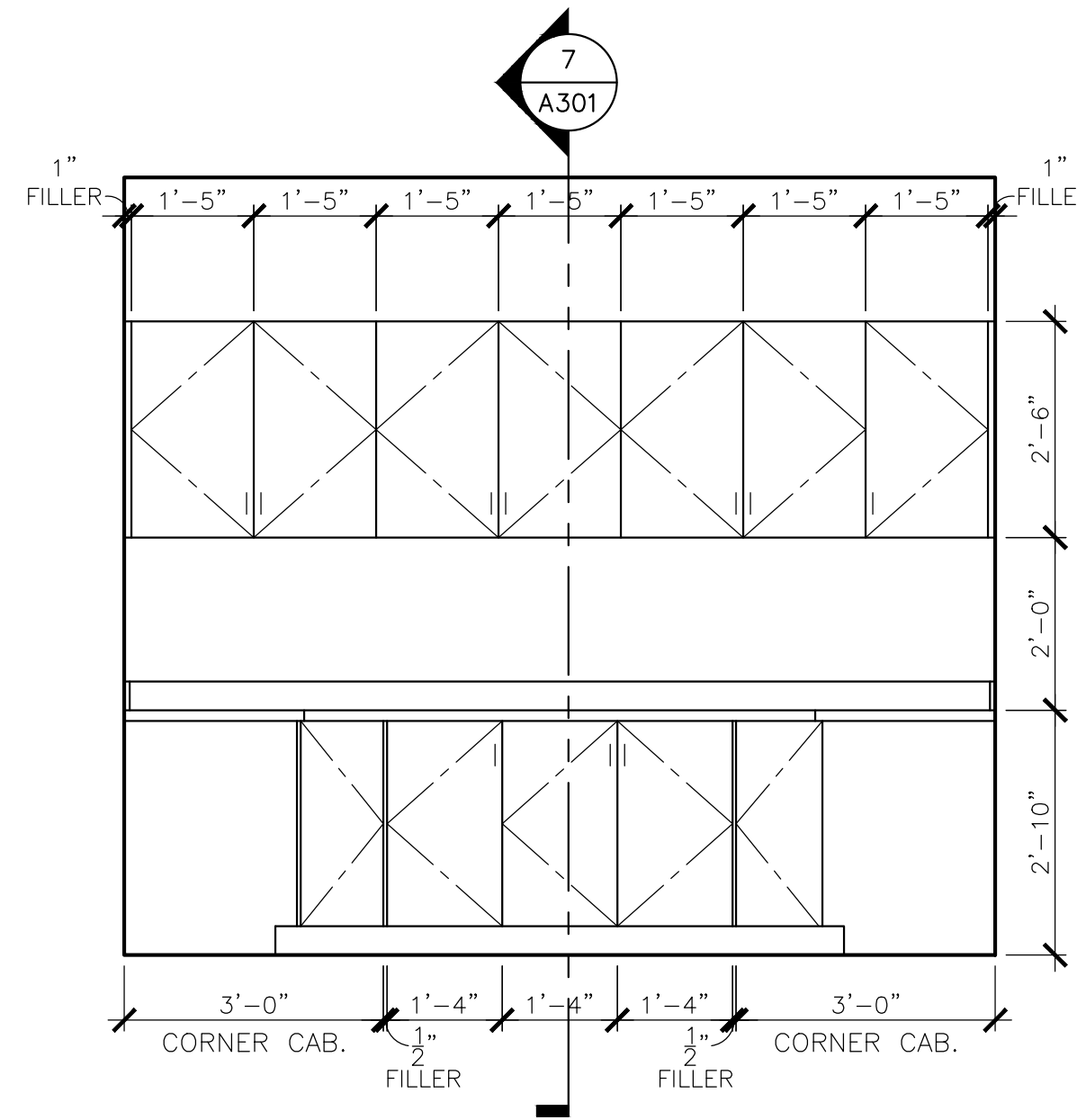
A-202



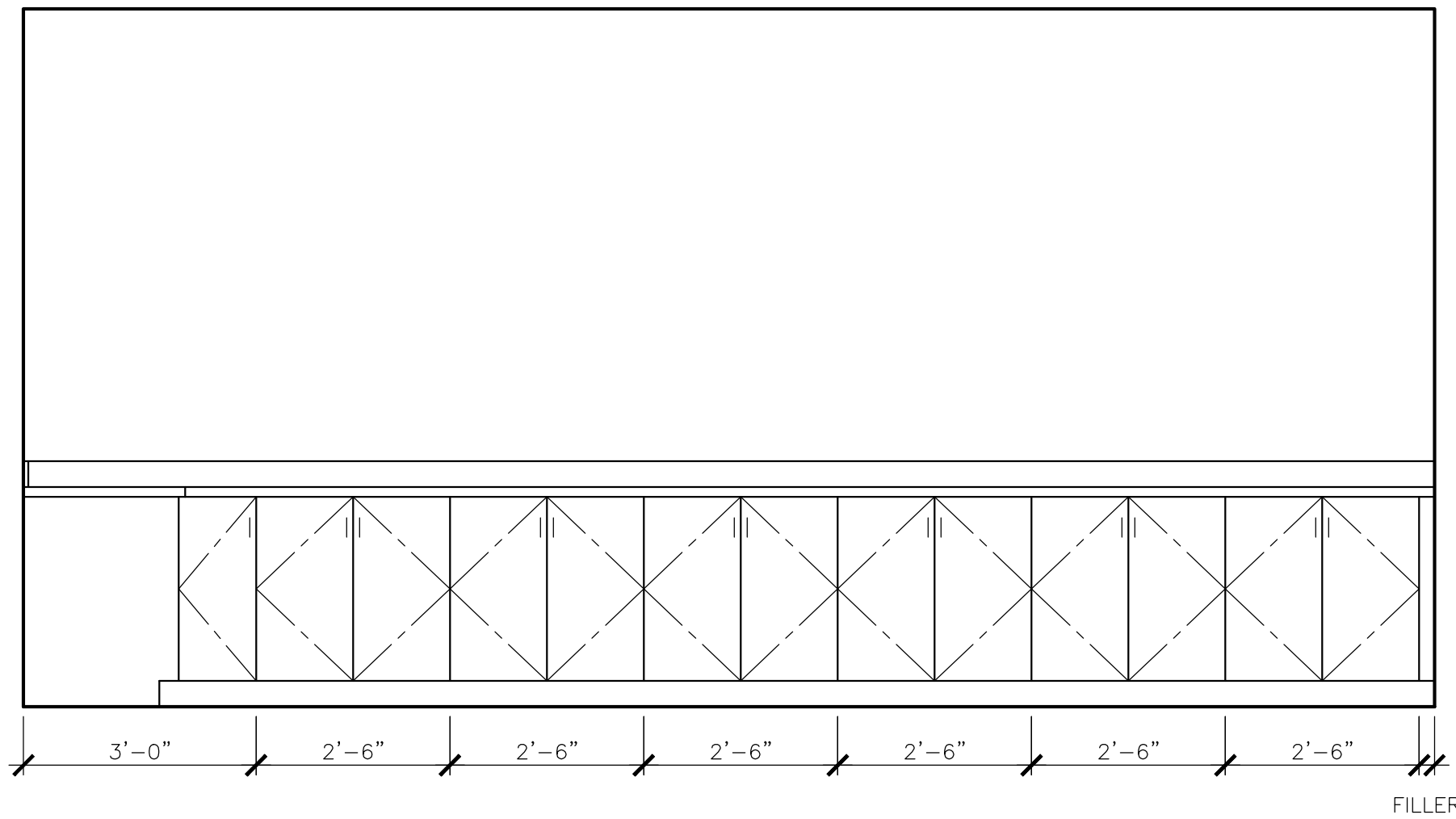
9 INTERIOR ELEVATION
A-203 SCALE: 1/2" = 1'-0"



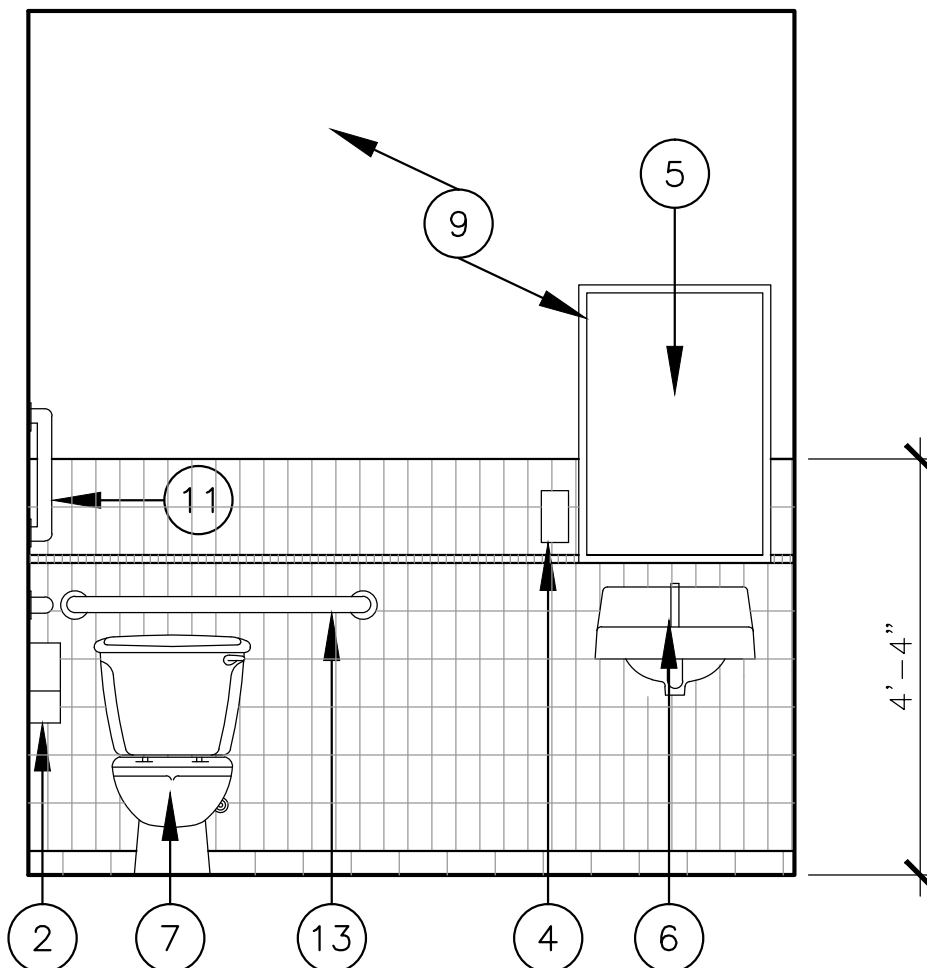
10 MILLWORK ELEVATION
A-203 SCALE: 1/2" = 1'-0"



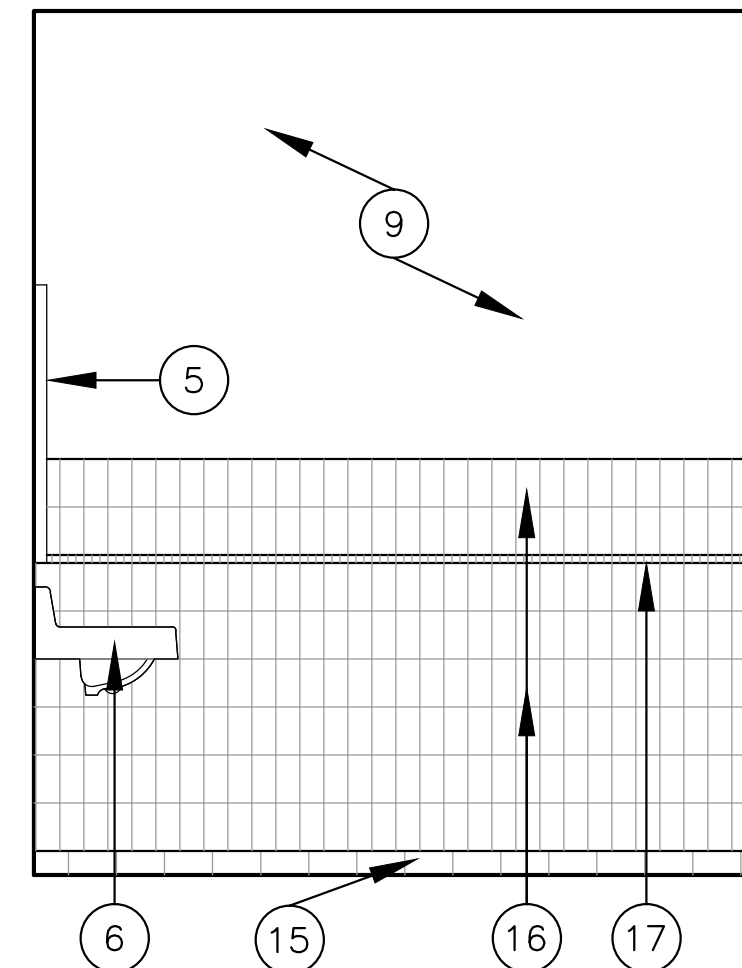
11 MILLWORK ELEVATION
A-203 SCALE: 1/2" = 1'-0"



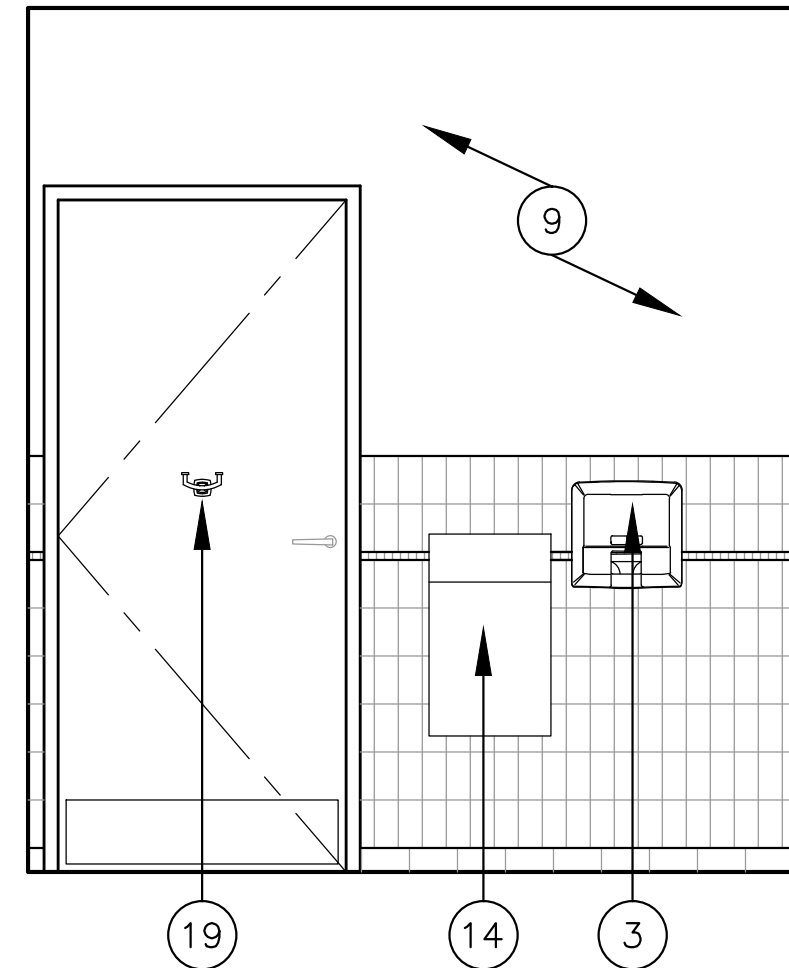
12 INTERIOR ELEVATION
A-203 SCALE: 1/2" = 1'-0"



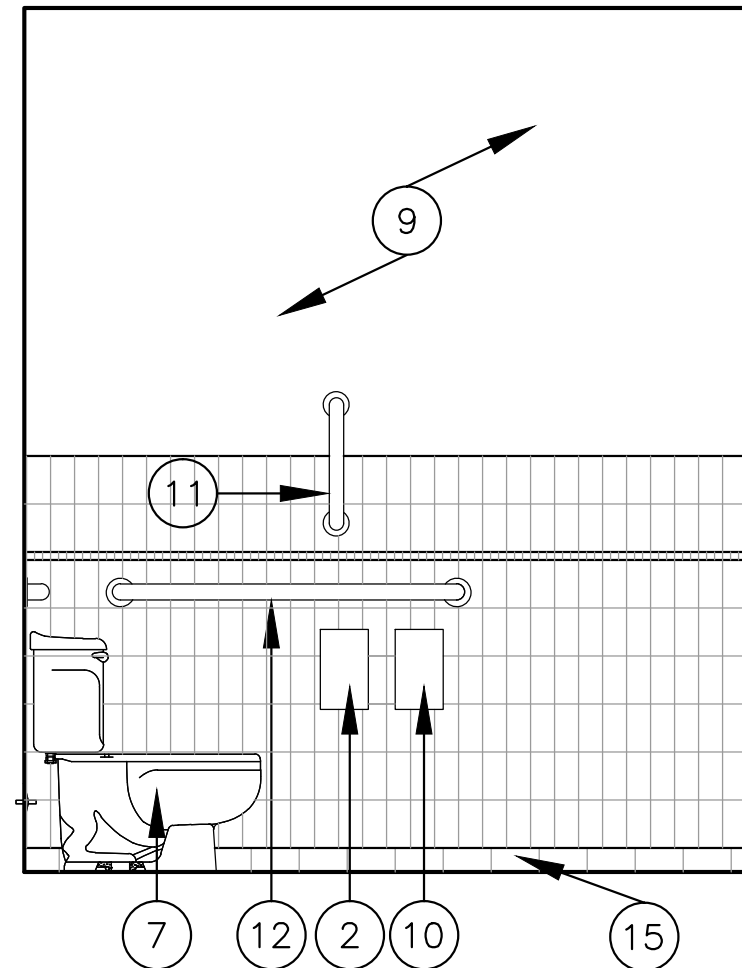
13 INTERIOR ELEVATION
A-203 SCALE: 1/2" = 1'-0"



14 INTERIOR ELEVATION
A-203 SCALE: 1/2" = 1'-0"



15 INTERIOR ELEVATION
A-203 SCALE: 1/2" = 1'-0"



16 INTERIOR ELEVATION
A-203 SCALE: 1/2" = 1'-0"

ELEVATION LEGEND

- STANDARD SINK BASE CABINET
- TOILET TISSUE HOLDER
- PAPER TOWEL DISPENSER
- SOAP DISPENSER
- MIRROR
- LAVATORY - WALL MOUNTED
- FLOOR MOUNTED TOILET
- WALL MOUNTED URINAL
- PAINT
- FEMININE NAPKIN DISPOSAL @ WOMEN'S LAV. ONLY
- 18" VERTICAL GRAB BAR-BOBRICK, B-6160.99 X 18
- 42" GRAB BAR-BOBRICK, B-6160.99 X 42
- 36" GRAB BAR-BOBRICK, B-6160.99 X 36
- SURFACE MOUNTED TRASH RECEPTACLE
- 3"x6" TILE BASE
- 3"x6" TILE
- GLASS ACCENT TILE 1"x1"
- PARTITION
- COAT HOOK
- SPECIMEN PASS-THRU DOOR

TOILET FINISH SCHEDULE

PRODUCT	MANUFACTURER	NAME	COLOR	FINISH/TYPE	COMMENTS
TILE @ BATHROOM WALLS	AMERICAN OLEAN	SELECTED BY TENANT	SELECTED BY TENANT	3"x6" & 1"x1"	BULLNOSE AT ALL EXP EDGES
GROUT @ BATHROOM WALLS	LATICRETE	-	-	-	
TILE @ BATHROOM FLOOR	AMERICAN OLEAN	SELECTED BY TENANT	SELECTED BY TENANT	12"x12"	
GROUT @ BATHROOM FLOOR	LATICRETE	-	-	-	
BASE @ BATHROOM WALLS	AMERICAN OLEAN	SELECTED BY TENANT	SELECTED BY TENANT	6"x12"	BULLNOSE AT ALL EXP EDGES
PAINT @ BATHROOM WALLS (ABOVE TILES)	SHERWIN WILLIAMS	SELECTED BY TENANT	SELECTED BY TENANT	SEMI-GLOSS	
COUNTERS	CORIAN OR EQUAL	SOLID SURFACE	SELECTED BY TENANT		

REVISIONS

NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

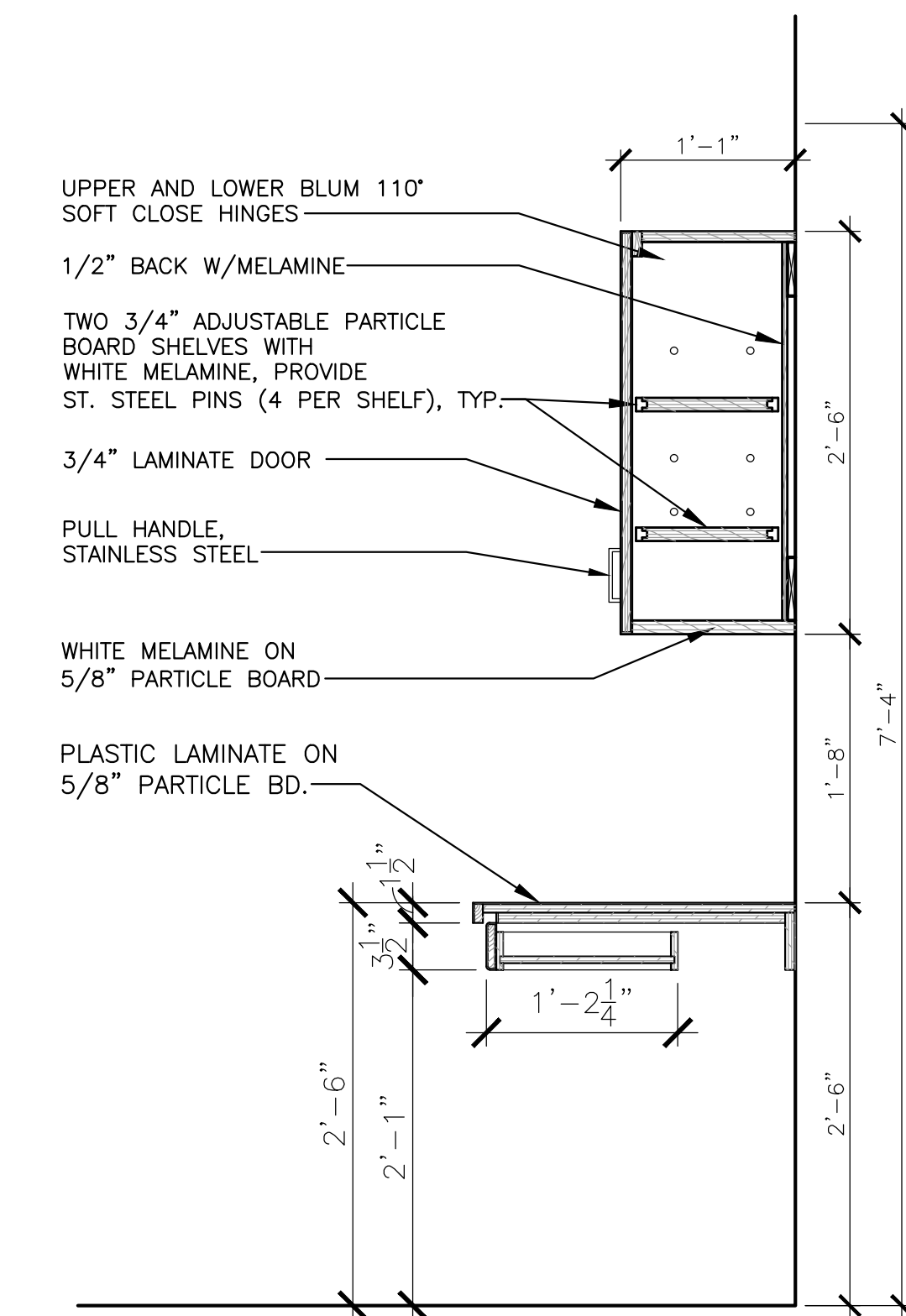
Prepared For:

SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605

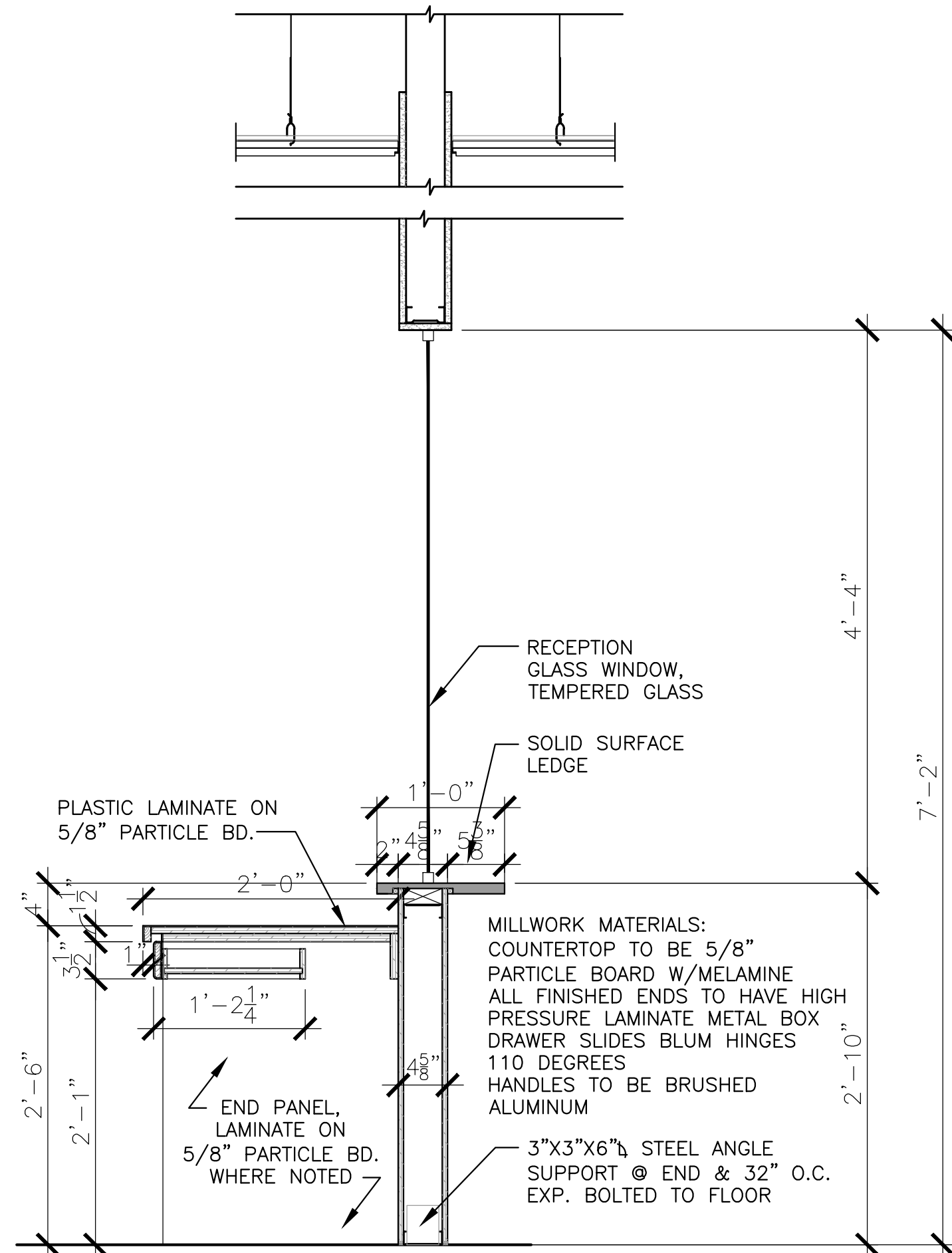
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INTERIOR ELEVATIONS

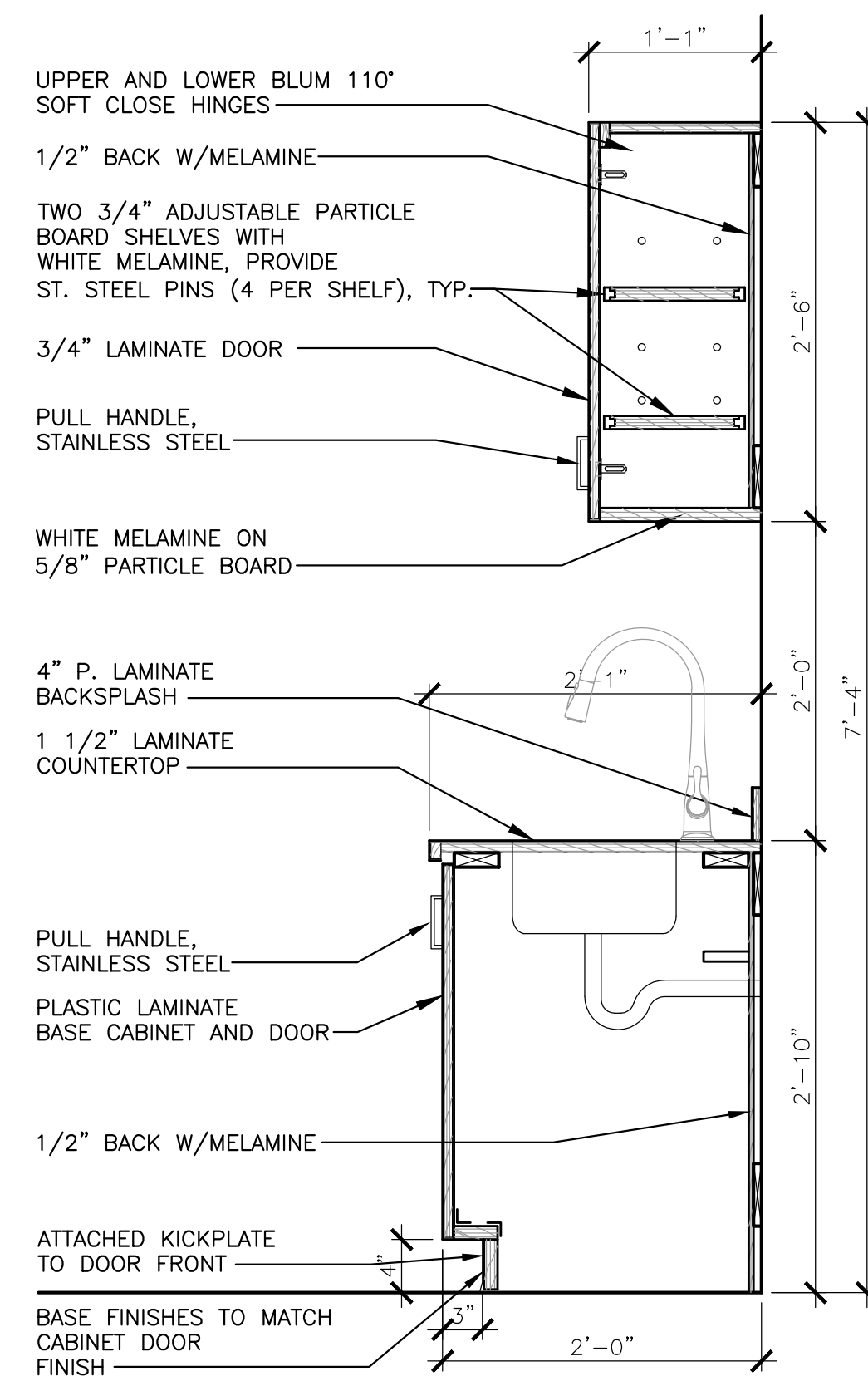
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DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-Behavioral Health_2024	



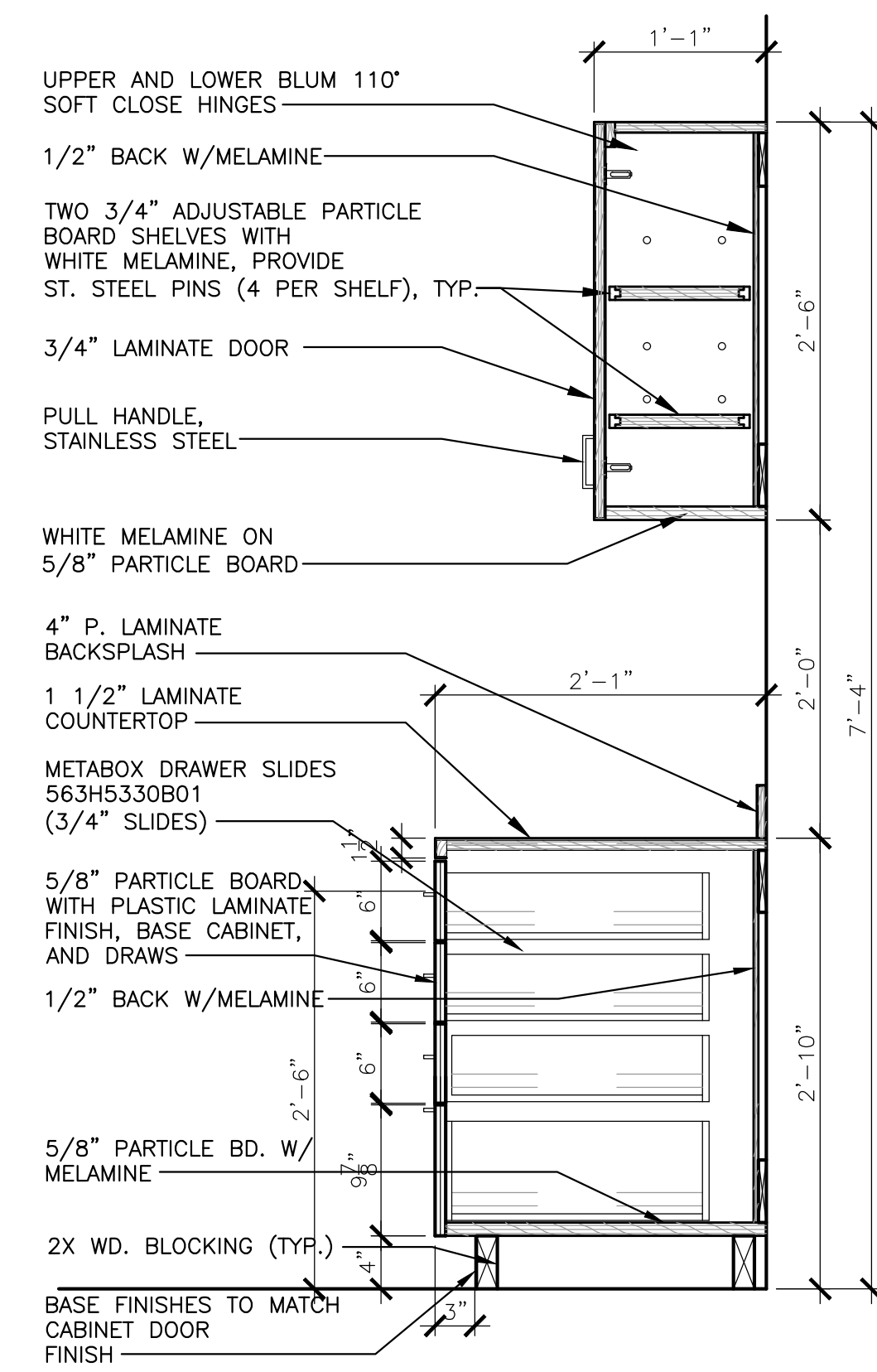
1 MILLWORK SECTION
A-301 SCALE: 1" = 1'-0"



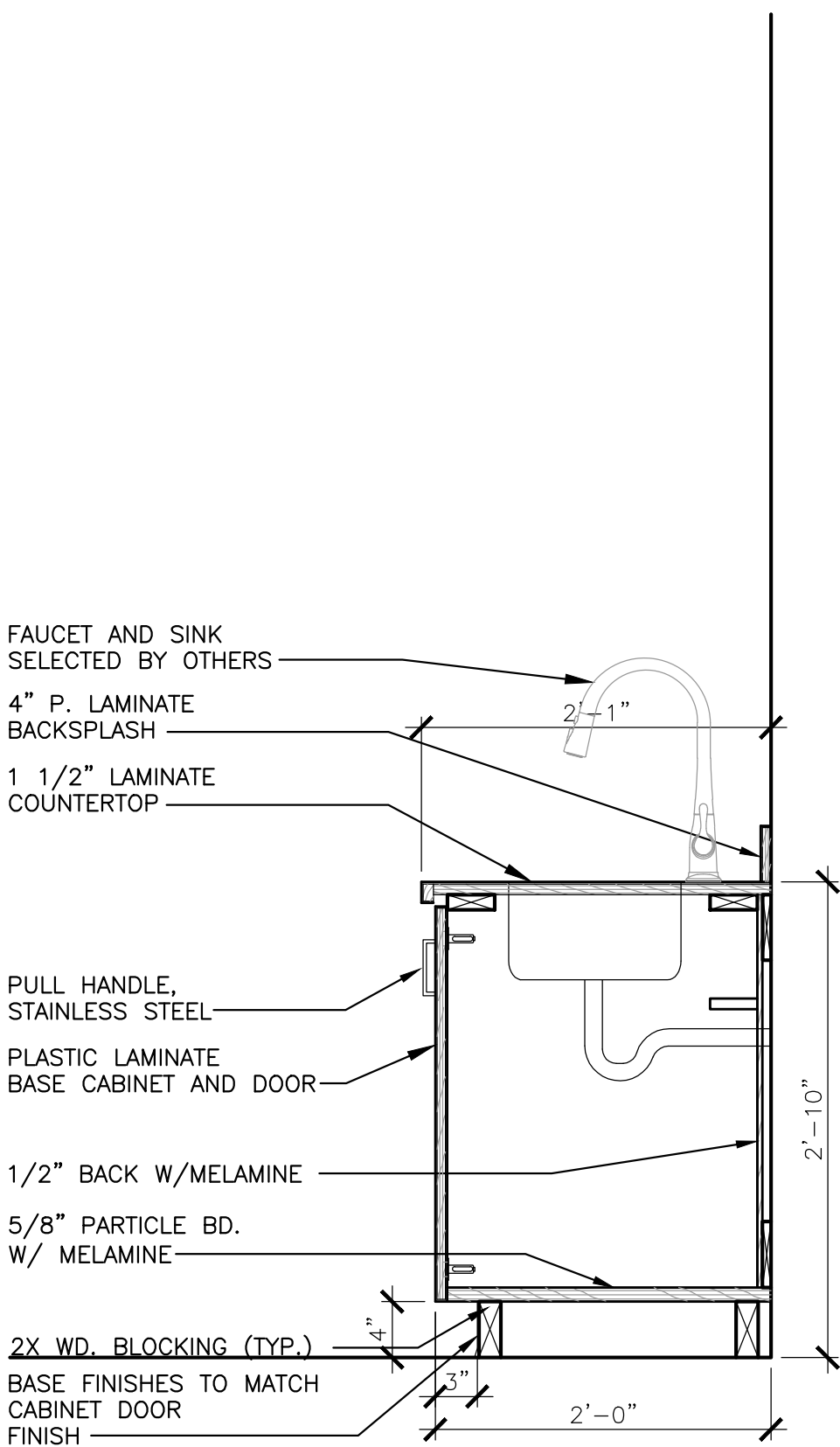
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A-301 SCALE: 1" = 1'-0"



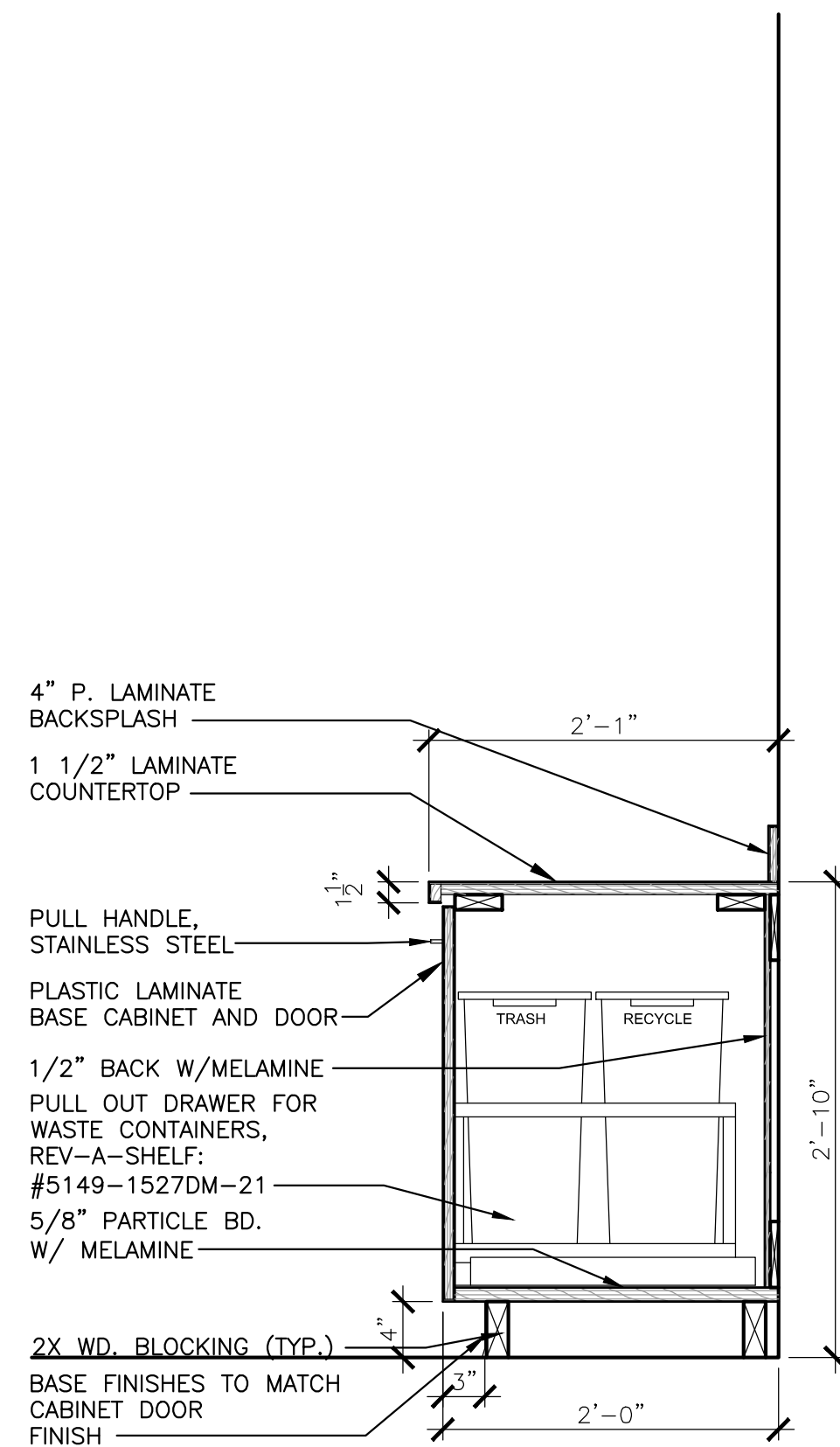
3 MILLWORK SECTION
A-301 SCALE: 1" = 1'-0"



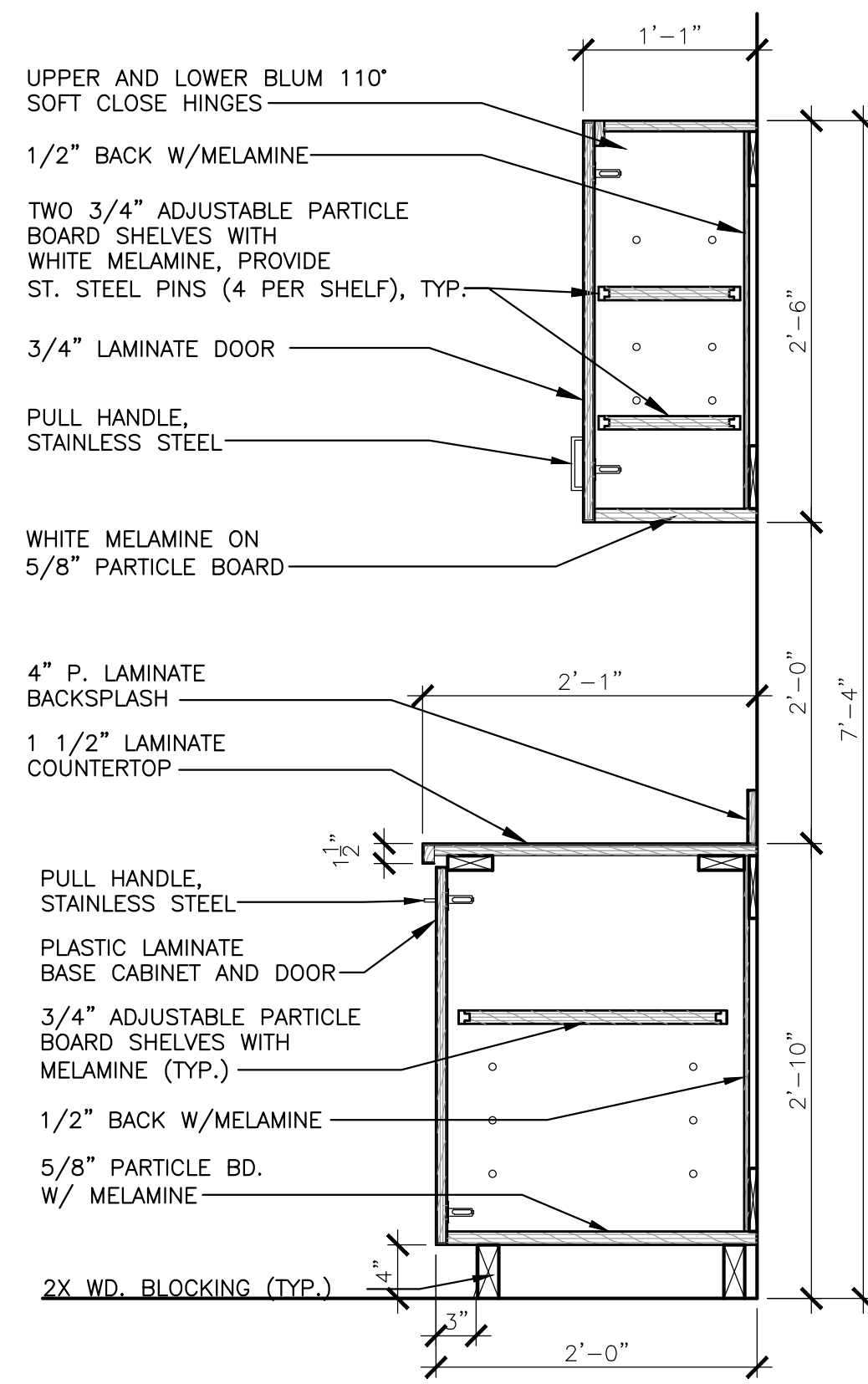
4 MILLWORK SECTION
A-301 SCALE: 1" = 1'-0"



5 MILLWORK SECTION
A-301 SCALE: 1" = 1'-0"



6 MILLWORK SECTION
A-301 SCALE: 1" = 1'-0"



7 MILLWORK SECTION
A-301 SCALE: 1 1/2" = 1'-0"

TYPICAL MILLWORK CONSTRUCTION NOTES:

01. FLUSH OVERLAY CONSTRUCTION WITH PLAS. LAMINATE. ALL VERTICAL SURFACES.
02. BODY MEMBERS, RAILS, AND DRAWERS TO BE 5/8" WHITE MELAMINE.
03. CABINET BACKS AND DRAWER BOTTOMS TO BE 1/2" WHITE MELAMINE.
04. ADJUSTABLE SHELVES 3/4" WHITE MELAMINE.
05. ALL DOORS AND FRONTS ARE 11/16" PARTICLE BOARD WITH PVC EDGES TO MATCH LAMINATE.
06. ALL INTERIOR AND SIDES OF THE UPPER AND BASE CABINETS SHALL BE WHITE MELAMINE.
07. FIRE RATED BLOCKING SHALL BE USED IN WALLS.
08. PROVIDE SHIMS AS REQUIRED.
09. ALL FILED DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
10. ALL SELECTED FINISHES TO BE APPROVED BY TENANT.
11. PROVIDE GROMMETS AT COUNTERTOPS.

REVISIONS				
NO.	BY	DATE	DESCRIPTION	

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

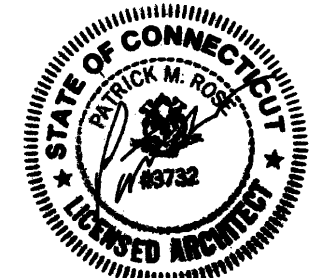
**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**

SHEET TITLE

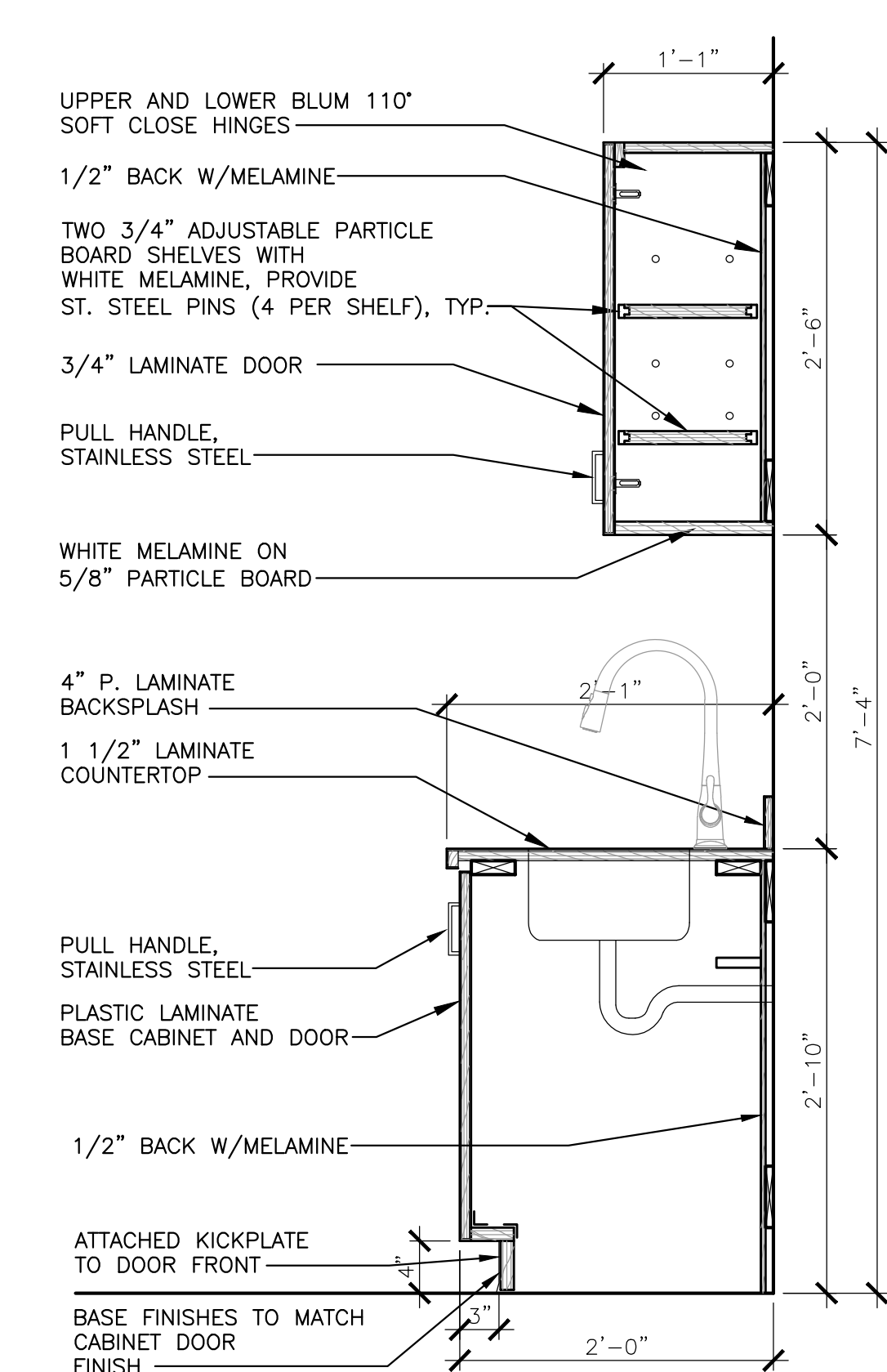
**MILLWORK SECTION
AND DETAILS**

DESIGNED BY: PMR	SCALE: AS NOTED
DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-Behavioral Health_2024	

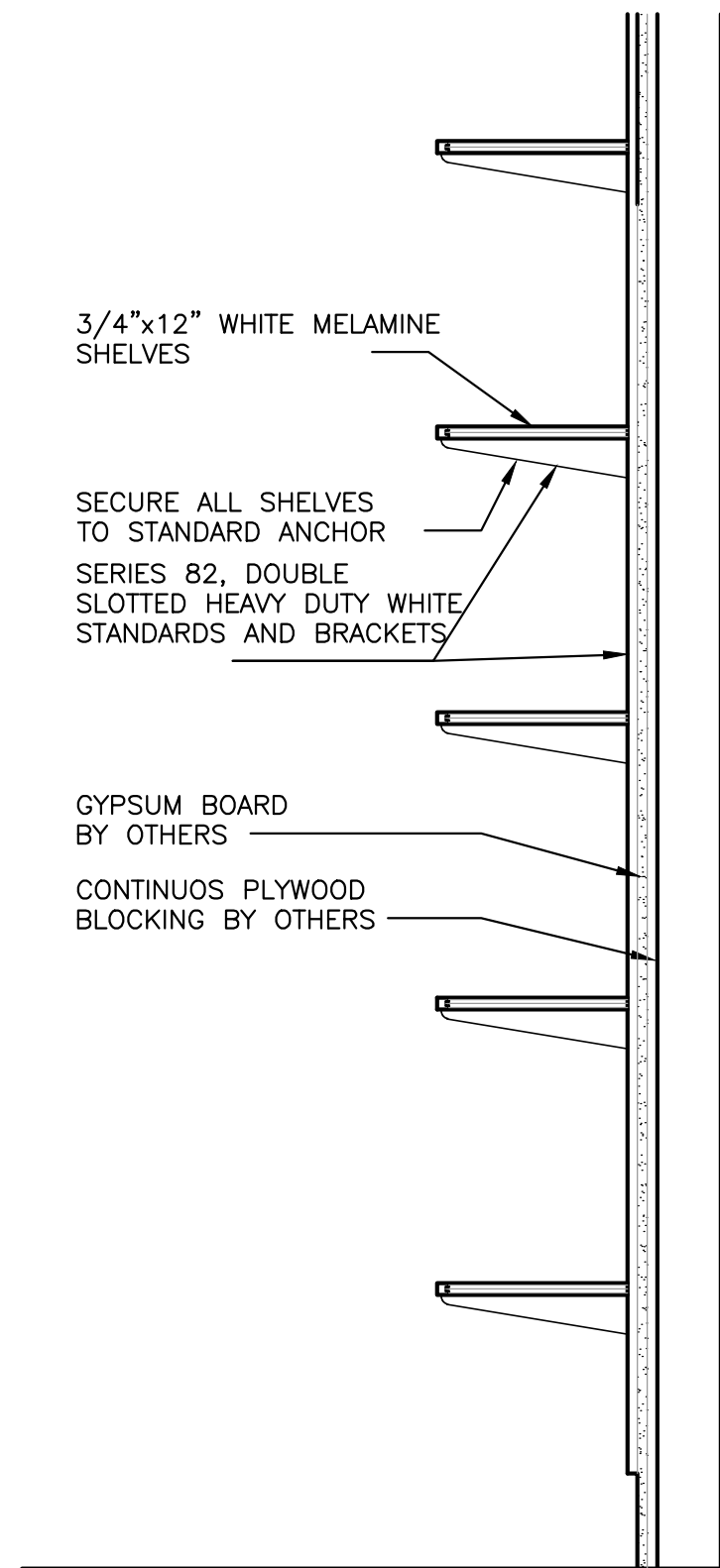
SEAL SHEET NUMBER



A-301



7 MILLWORK SECTION
SCALE: 1" = 1'-0"



8 MILLWORK SECTION
SCALE: 1" = 1'-0"

TYPICAL MILLWORK CONSTRUCTION NOTES:

01. FLUSH OVERLAY CONSTRUCTION WITH PLAS. LAMINATE. ALL VERTICAL SURFACES.
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07. FIRE RATED BLOCKING SHALL BE USED IN WALLS.
08. PROVIDE SHIMS AS REQUIRED.
09. ALL FILED DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
10. ALL SELECTED FINISHES TO BE APPROVED BY TENANT.
11. PROVIDE GROMMETS AT COUNTERTOPS.

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

**BEHAVIORAL HEALTH
CARE CLINIC**

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:


**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**

SHEET TITLE

**MILLWORK SECTION
AND DETAILS**

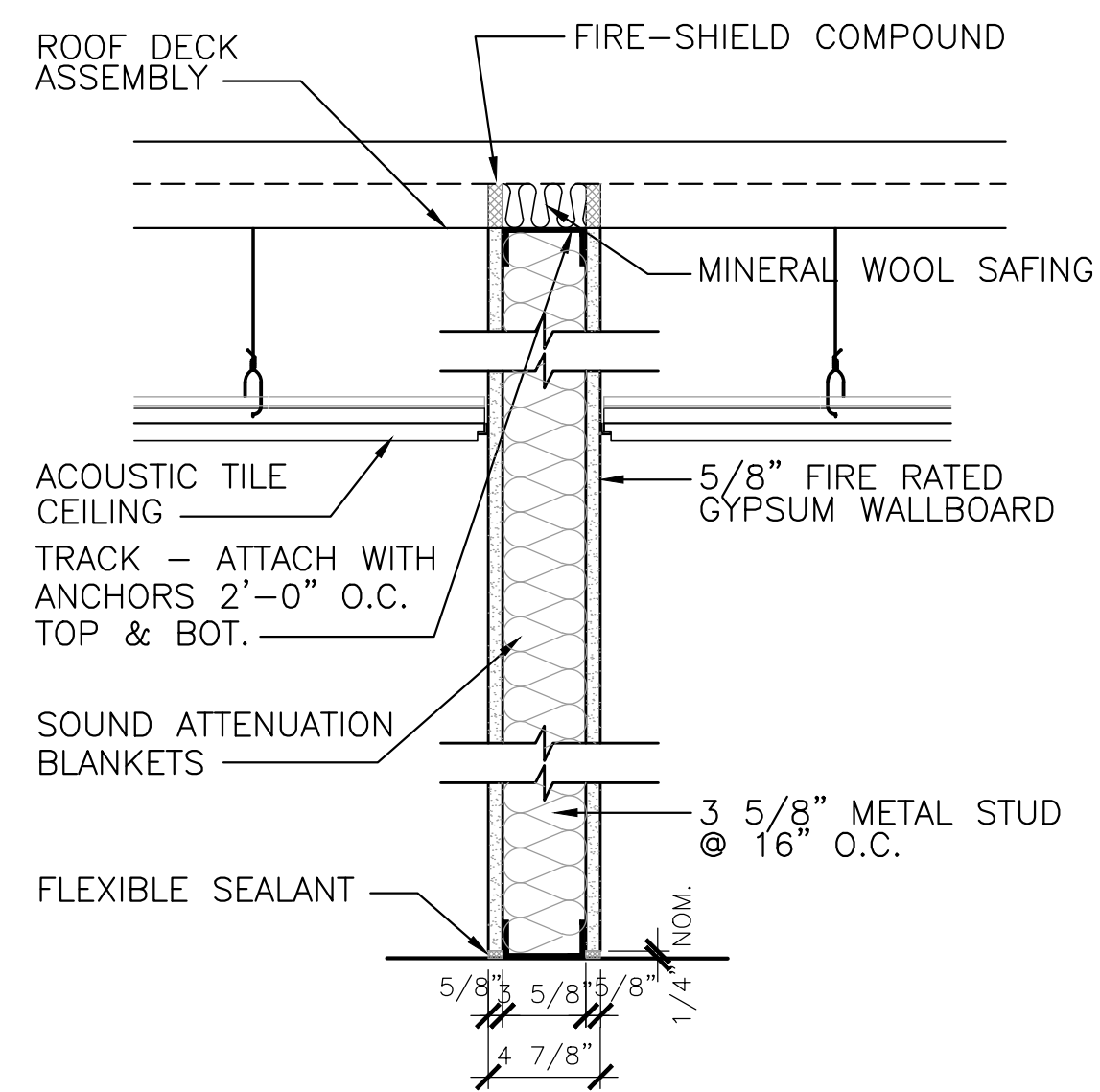
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DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-Behavioral Health_2024	

SEAL

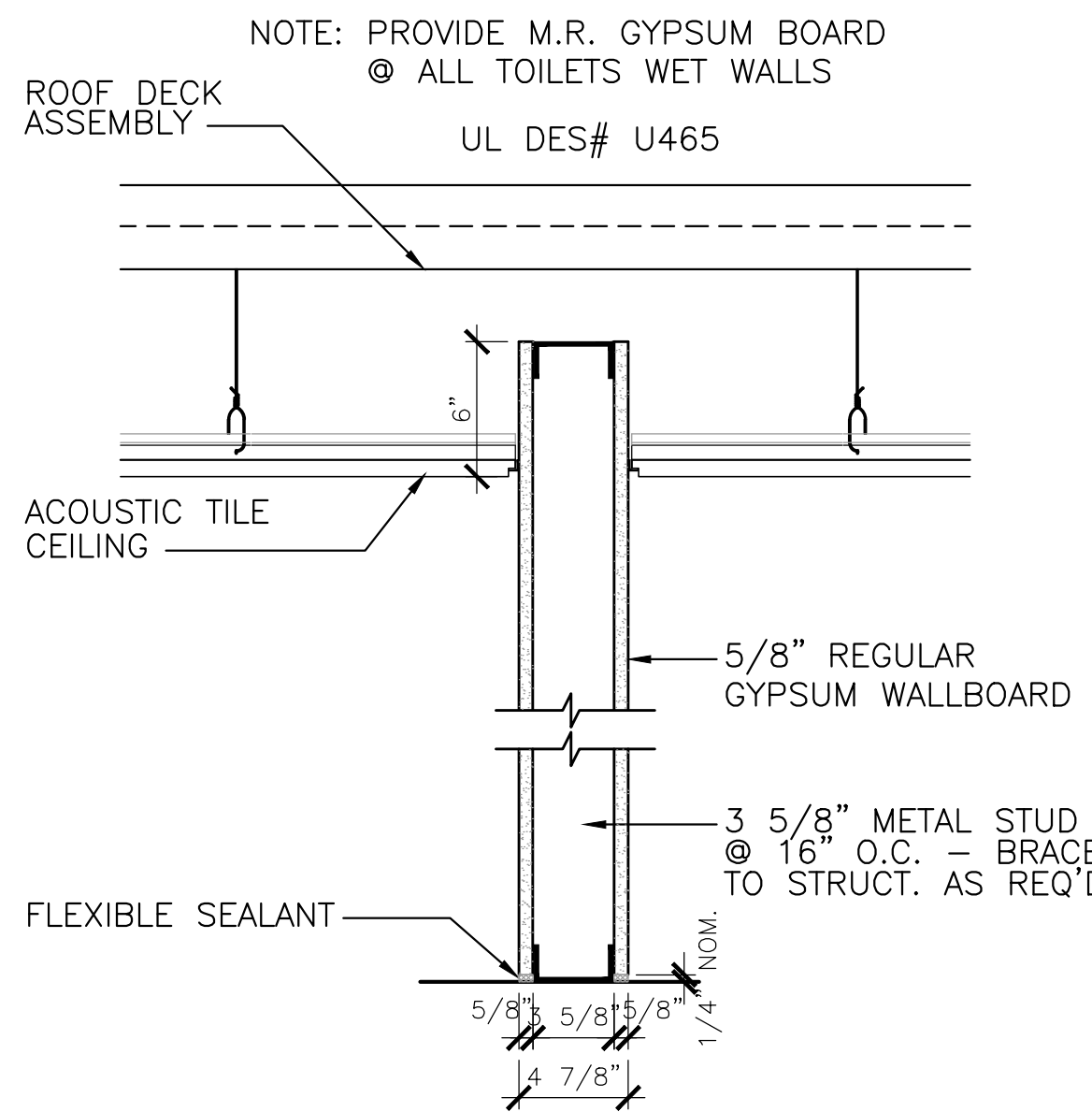


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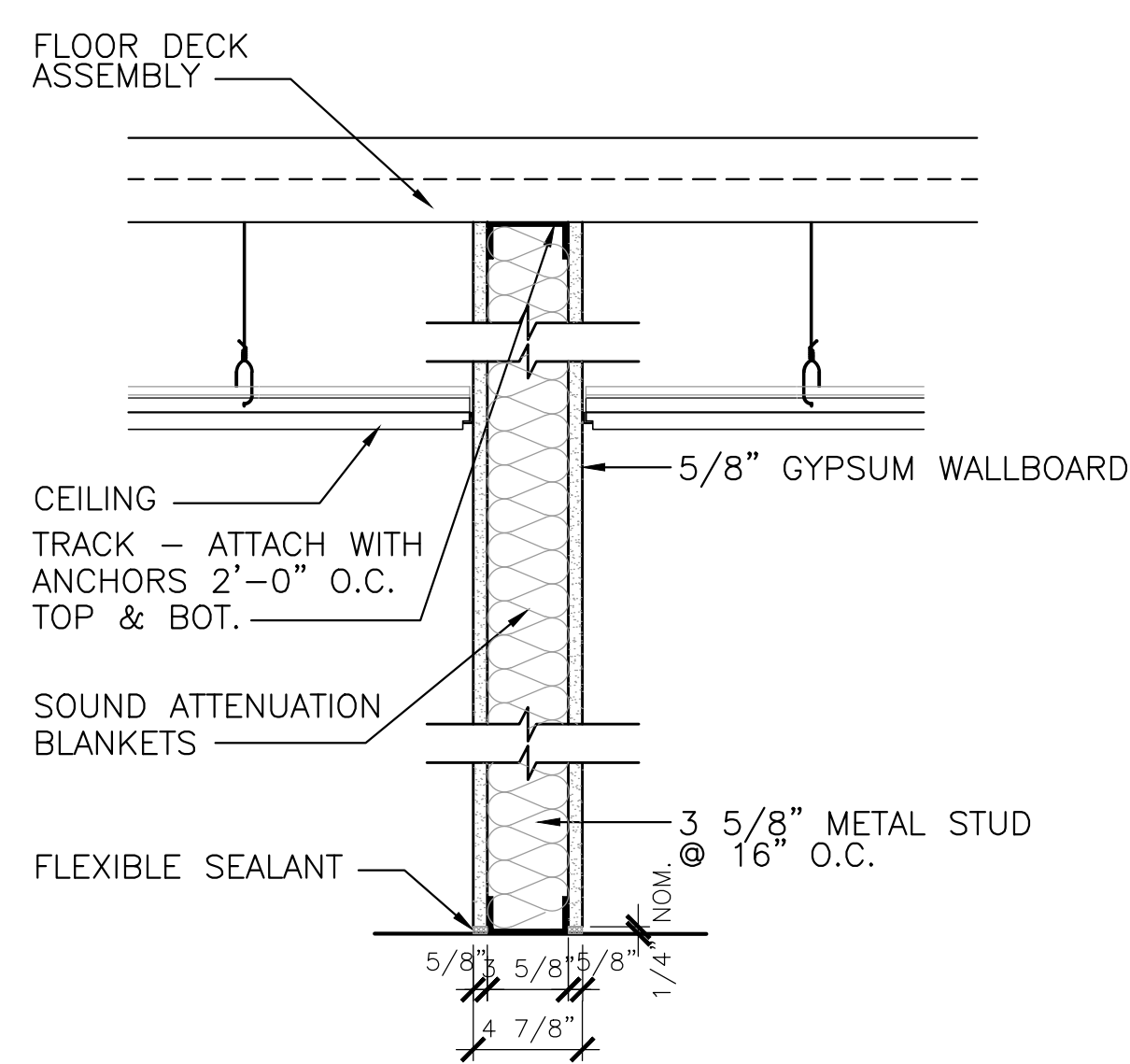
A-302



**1 HOUR RATED
WALL TYPE**
SCALE: 1 1/2" = 1'-0" **1**

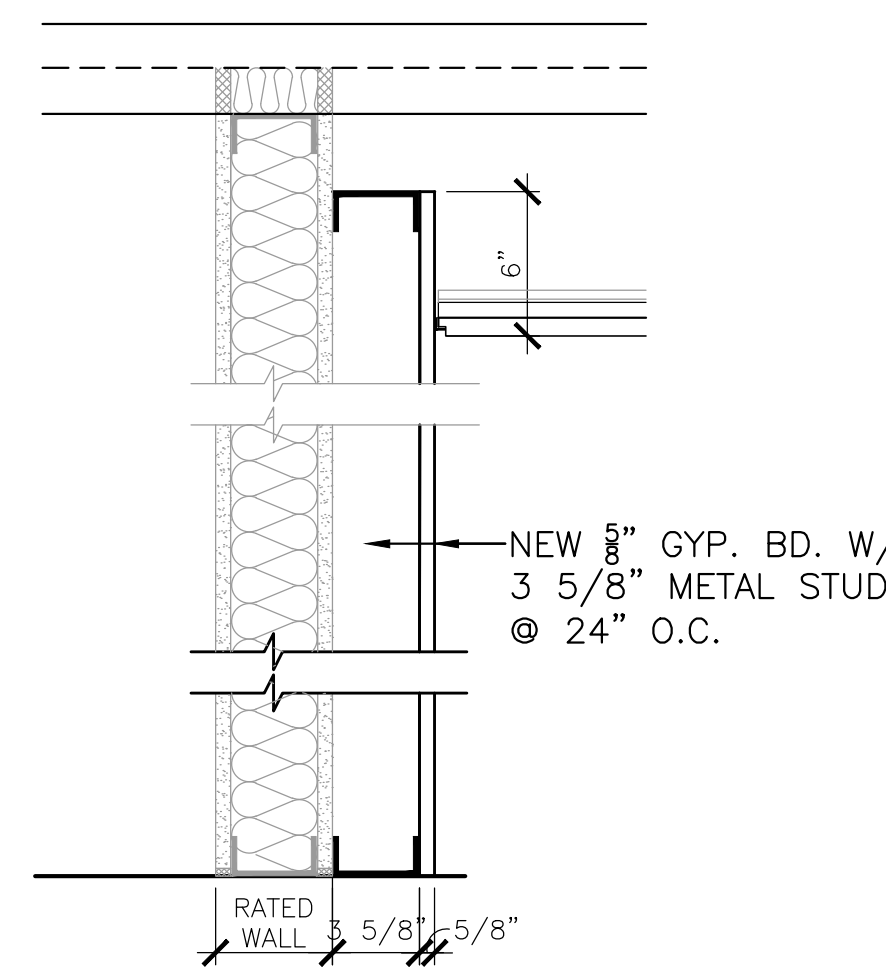


WALL TYPE
SCALE: 1 1/2" = 1'-0" **5**



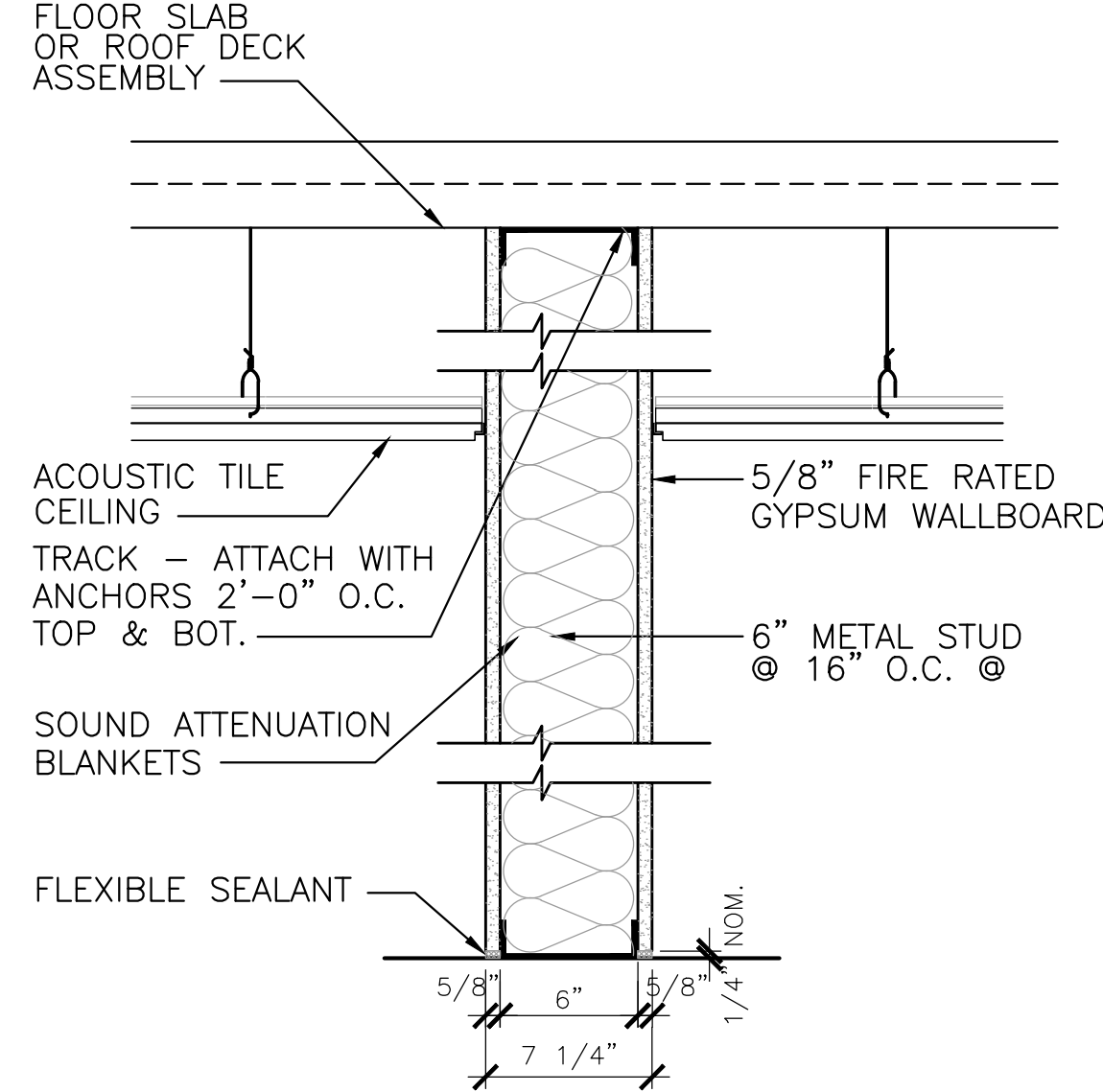
WALL TYPE
SCALE: 1 1/2" = 1'-0" **2**

NOTE: PROVIDE M.R. GYPSUM BOARD
⊙ ALL TOILETS WET WALLS
UL DES# U465



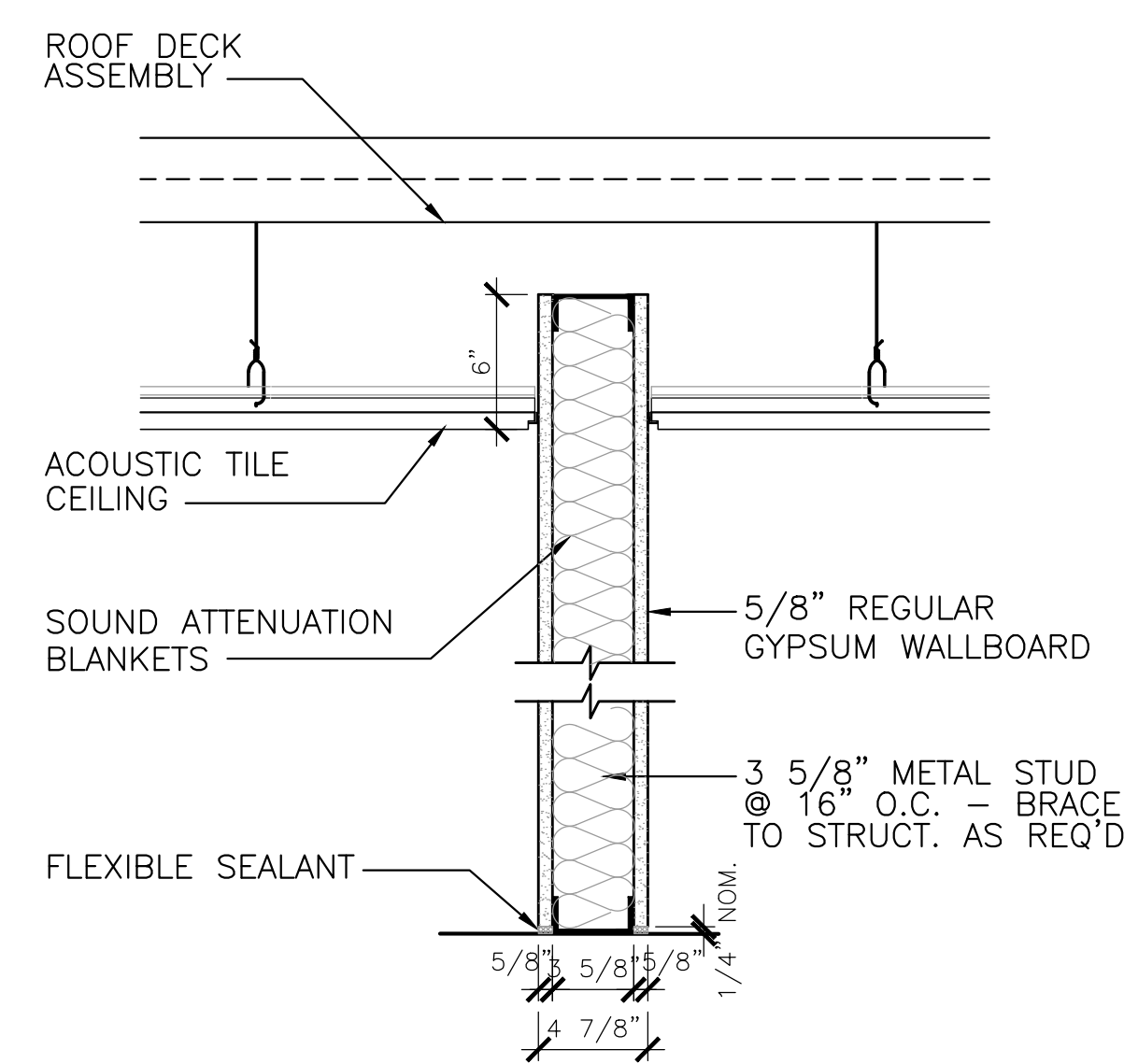
WALL TYPE
SCALE: 1 1/2" = 1'-0" **6**

NOTE: PROVIDE M.R. GYPSUM BOARD
⊙ ALL TOILETS WET WALLS



WALL TYPE
SCALE: 1 1/2" = 1'-0" **3**

NOTE: PROVIDE M.R. GYPSUM BOARD
⊙ ALL TOILETS WET WALLS



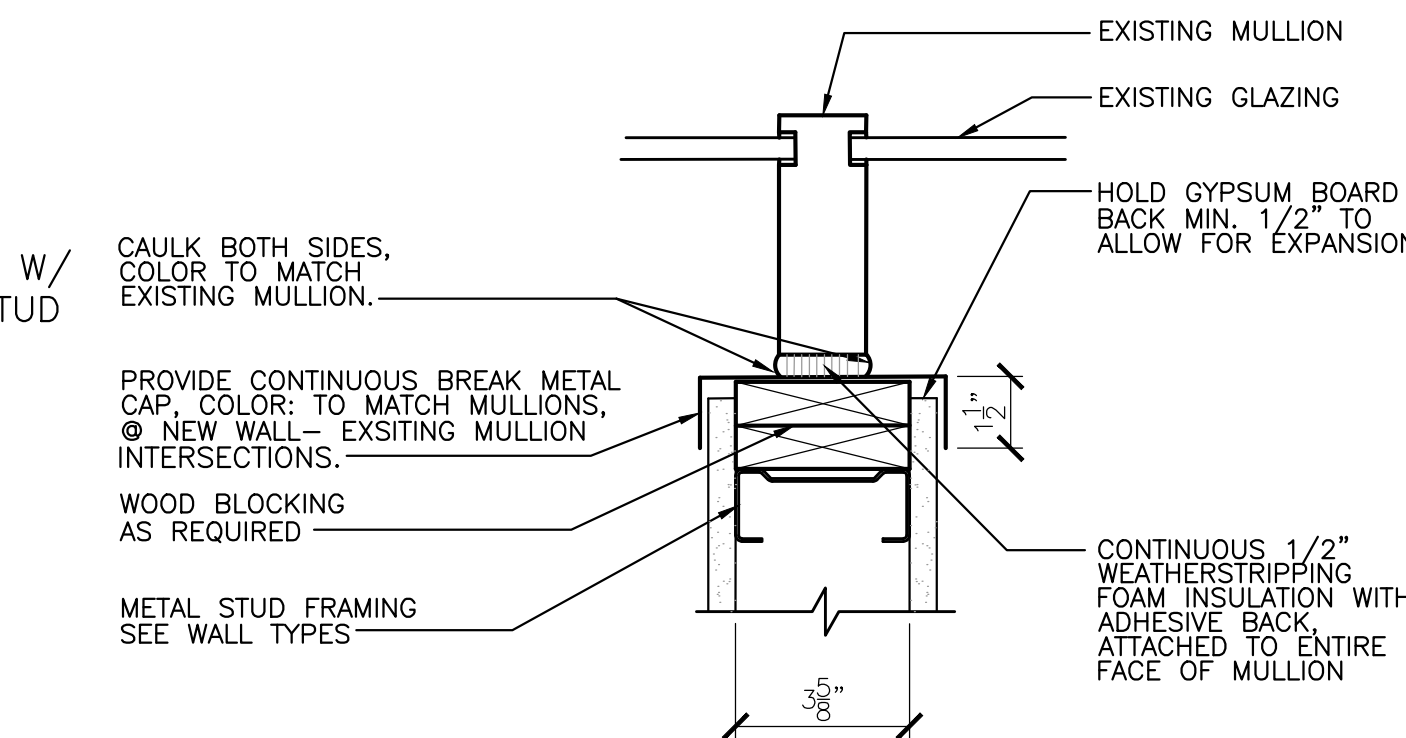
WALL TYPE
SCALE: 1 1/2" = 1'-0" **4**

NOTE: PROVIDE M.R. GYPSUM BOARD
⊙ ALL TOILETS WET WALLS

1 WALL TYPES
SCALE: AS NOTED
A-501

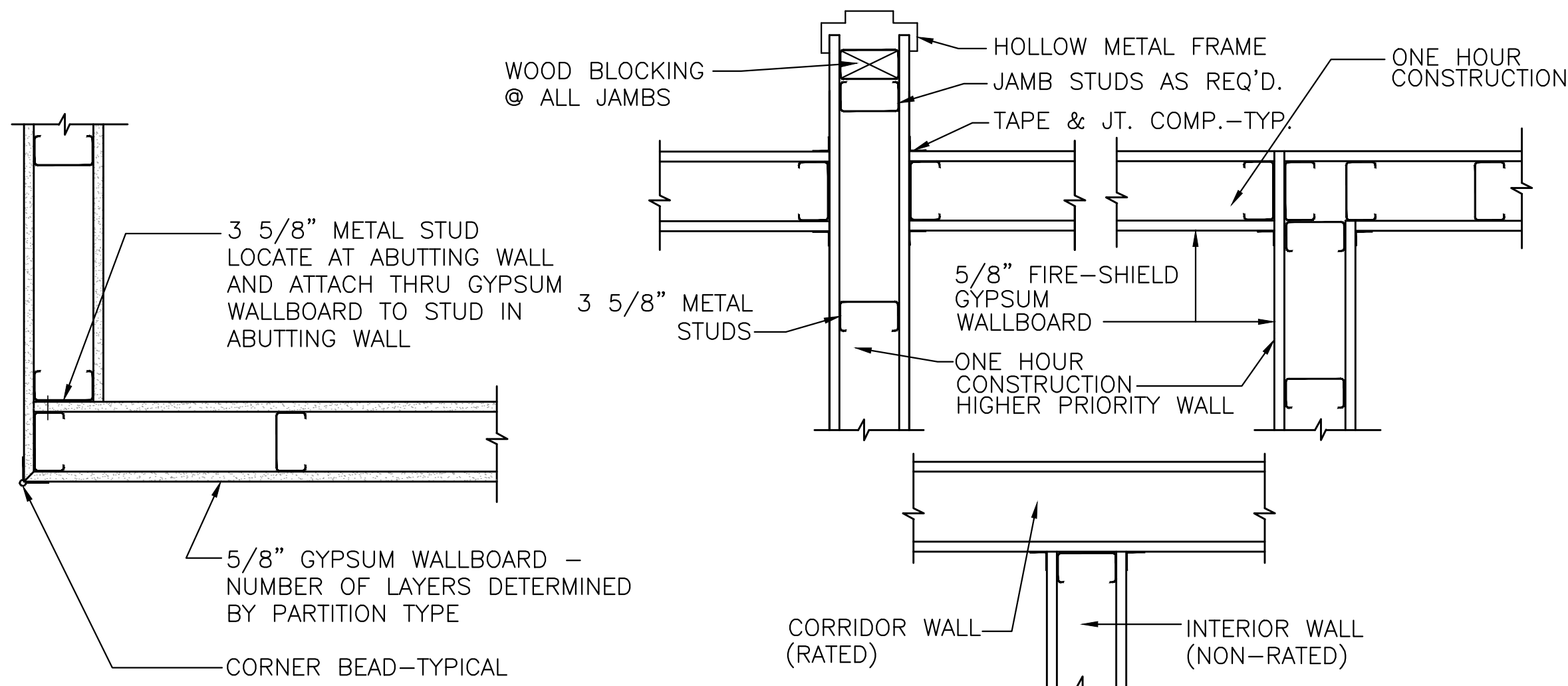
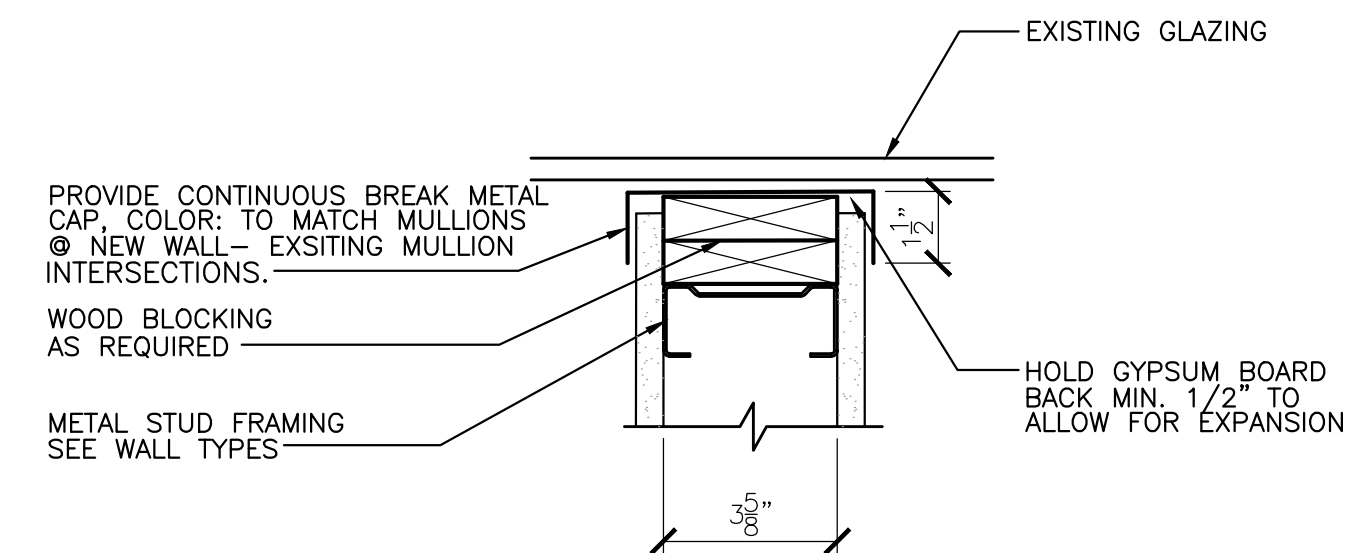
2
A-501

**WALL INTERSECTION
AT WINDOW MULLION**
SCALE: 3" = 1'-0"



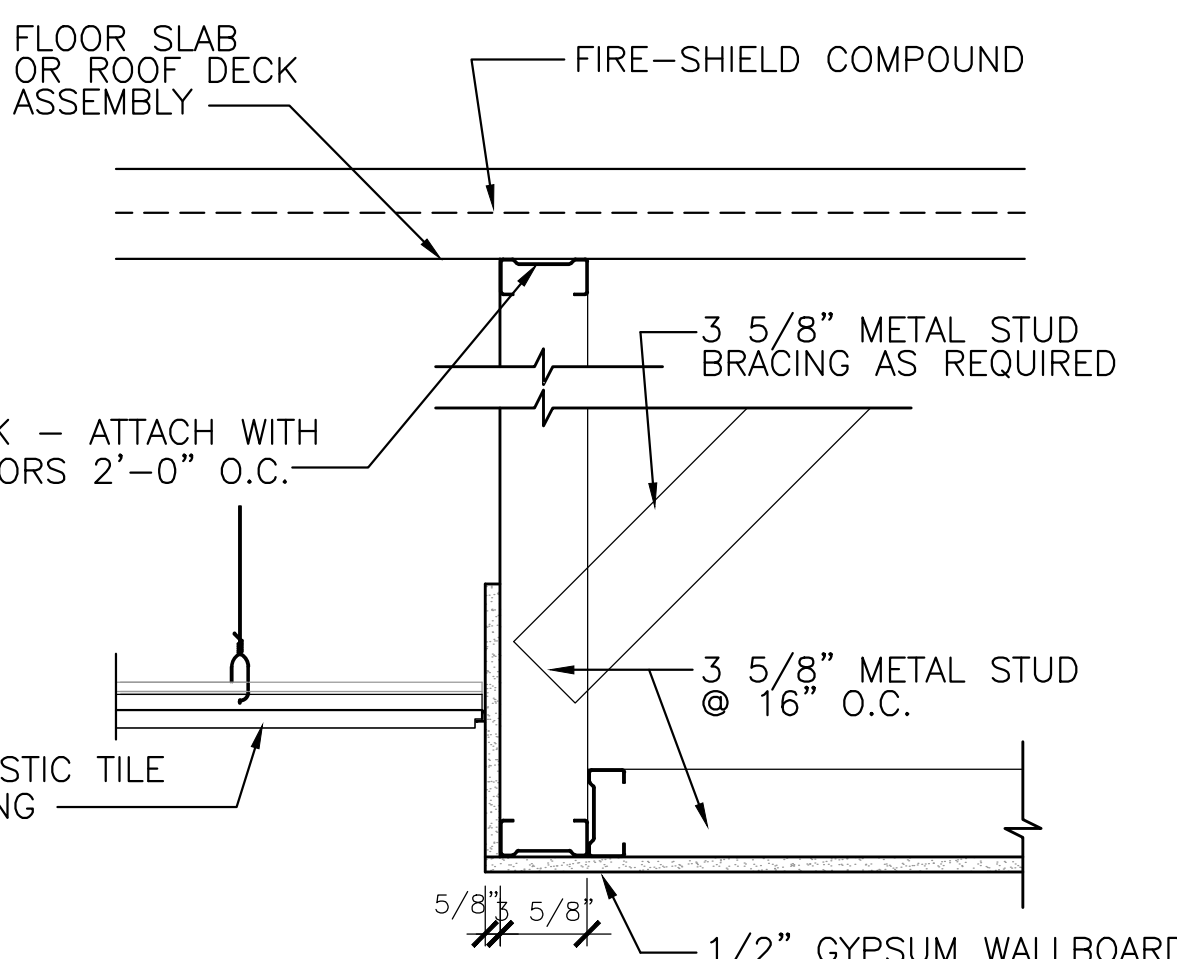
3
A-501

**WALL INTERSECTION
AT WINDOW GLASS**
SCALE: 3" = 1'-0"

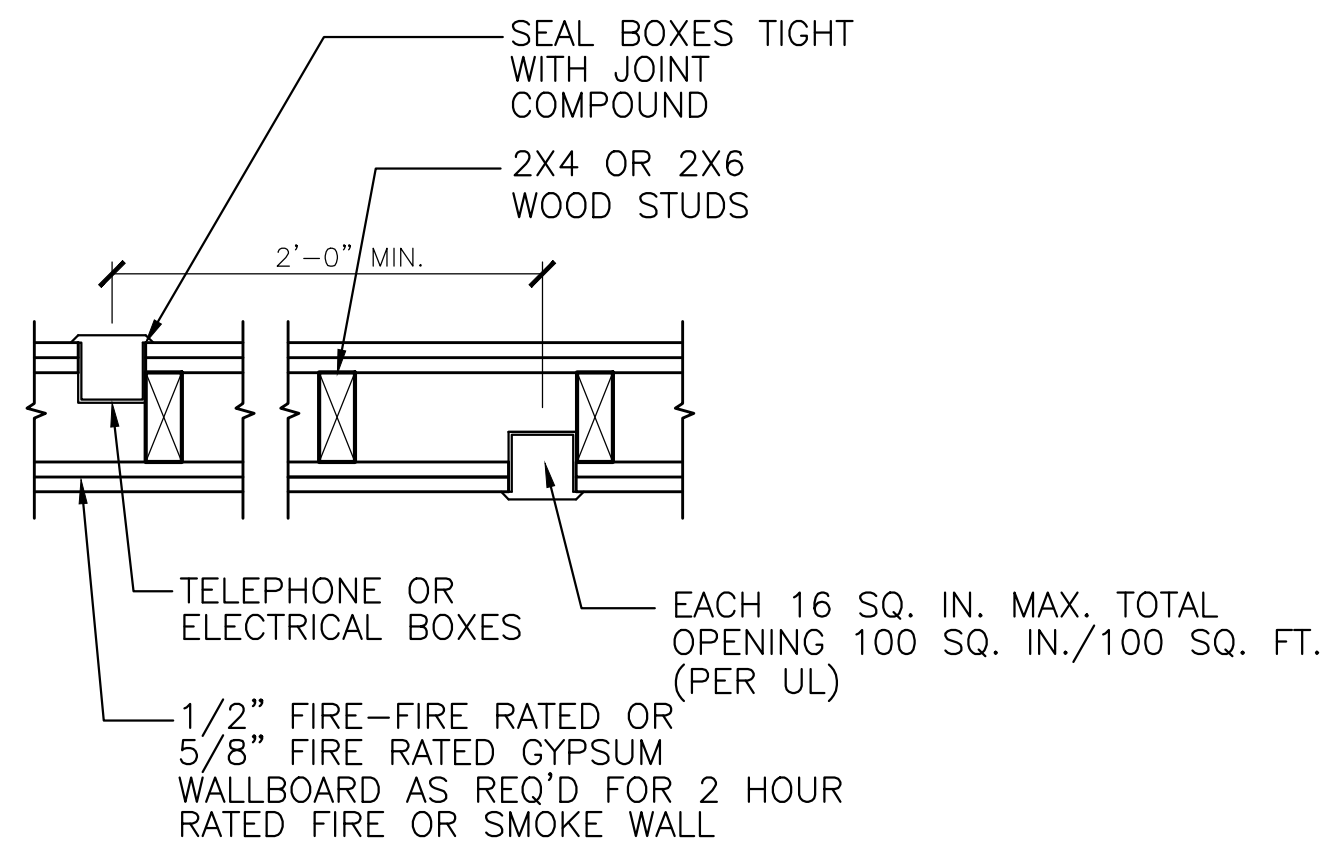


TYPICAL CORNER DETAIL
SCALE: 1 1/2" = 1'-0"

TYPICAL RATED WALL INTERSECTIONS
SCALE: 1 1/2" = 1'-0"



5 SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"
A-501



**6 ADJACENT ELECTRICAL BOXES
IN RATED PARTITION**
SCALE: 1 1/2" = 1'-0"
A-501

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:
**SOUTHWEST COMMUNITY
HEALTH CENTER**
46 ALBION STREET
BRIDGEPORT, CT 06605

SHEET TITLE

WALL TYPES AND DETAILS

DESIGNED BY: PMR	SCALE: AS NOTED
DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-Behavioral Health_2024	

SEAL SHEET NUMBER

A-501

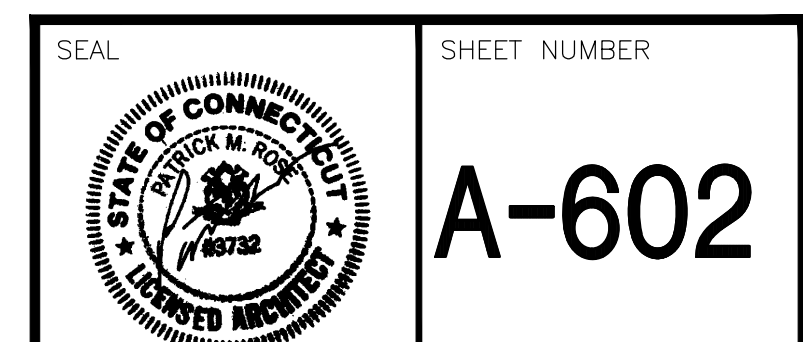
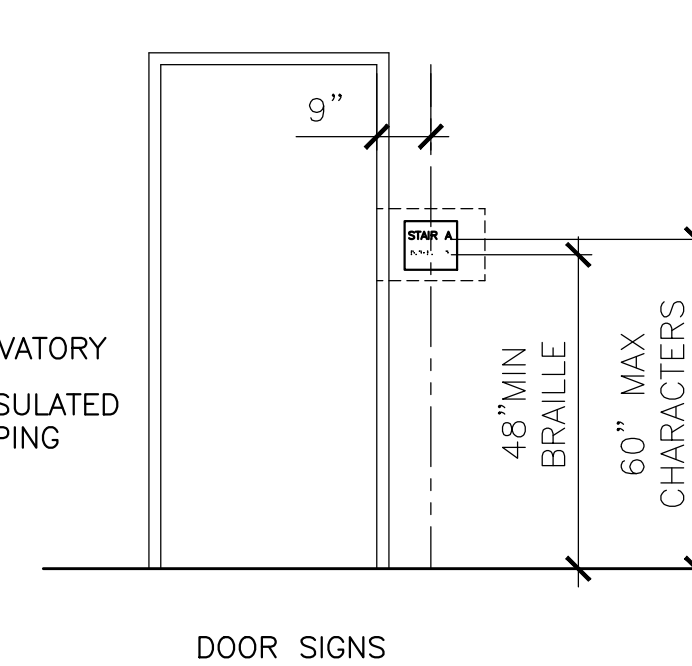
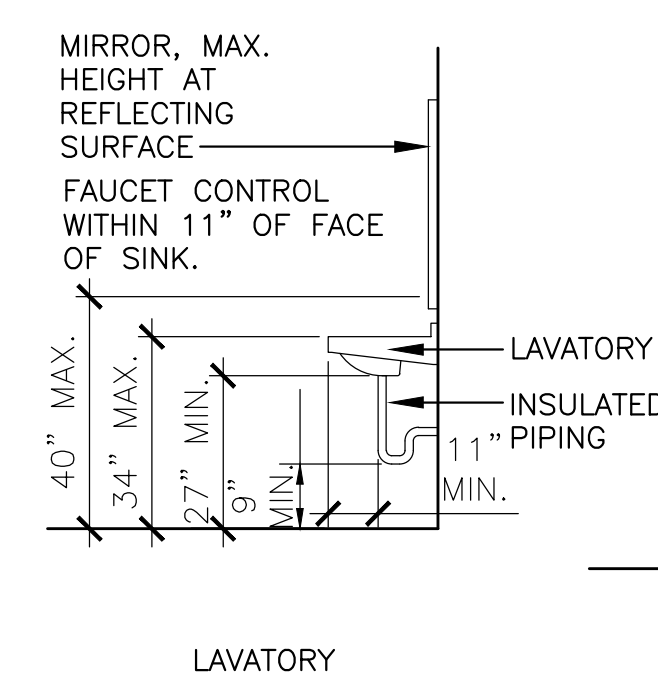
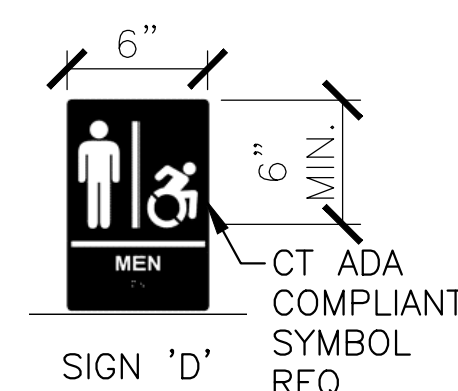
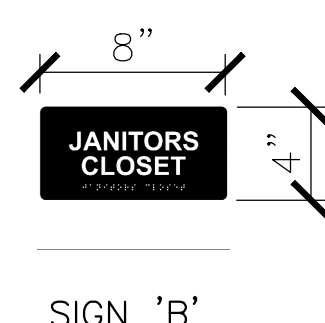
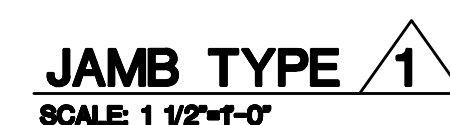
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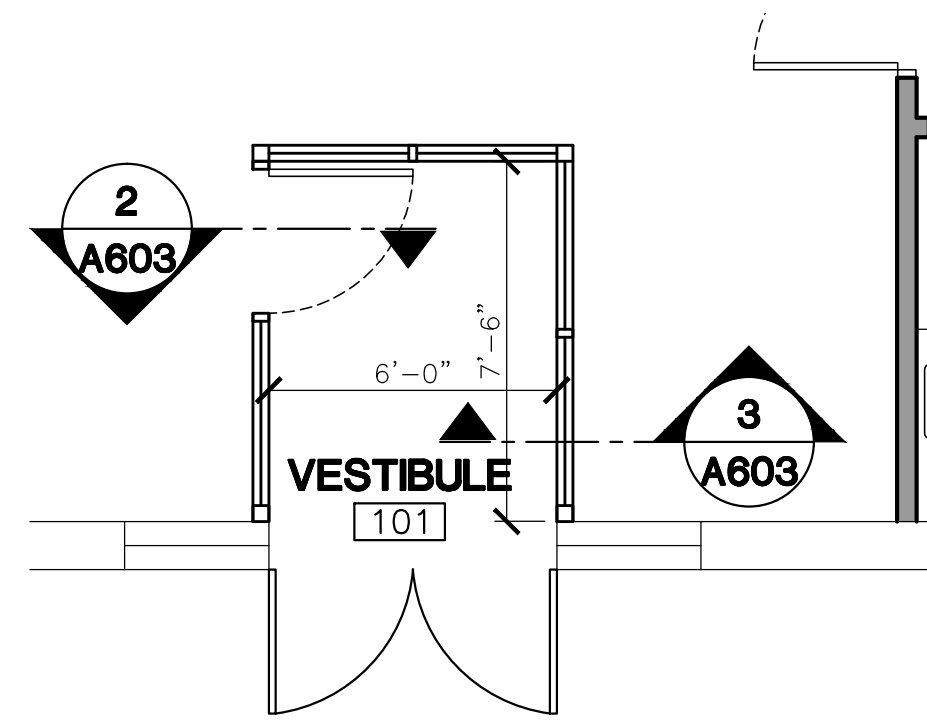
ROOM FINISH SCHEDULE																								
NO.	NAME	FLOOR					BASE		WALLS			CEILING				REMARKS								
		FINISH					FINISH		FINISH			FINISH												
		1	2	3	4	5	6	1	2	3	1	2	3	1	2	3	4	5						
		CARPET	CER. TILE	RUBBER	CONCRETE	LVT	VCT	RUBBER	CER. TILE	CARPET	DRYWALL	PAINTED	WALLPAPER	CER. TILE	NOT REQUIRED	STOREFRONT	DRYWALL	PAINTED	EXP. STRUCTURE	PTD.3	ACOUSTIC TILE	NOT REQUIRED	HEIGHT	
101	VESTIBULE					●		●						●			●		9'-0"					
102	WAITING AREA					●		●			●						●		9'-0"					
103	RECEPTION OFFICE					●		●			●						●		9'-0"					
104	CORRIDOR					●		●			●						●		9'-0"					
105	EXAM					●		●			●						●		9'-0"					
106	OFFICE #2					●		●			●						●		9'-0"					
107	OFFICE #3					●		●			●						●		9'-0"					
108	OFFICE #1					●		●			●						●		9'-0"					
109	OFFICE #4					●		●			●						●		9'-0"					
110	OFFICE #5					●		●			●						●		9'-0"					
111	OFFICE #6					●		●			●						●		9'-0"					
112	OFFICE #7					●		●			●						●		9'-0"					
113	OPEN WORK AREA					●		●			●						●		10'-0"					
114	CONFERENCE ROOM					●		●			●						●		9'-0"					
115	CONFERENCE ROOM					●		●			●						●		9'-0"					
116	TESTING					●		●			●						●		9'-0"					
117	LAVATORY		●					●			●		●				●		9'-0"	C.T.	:BULLNOSE AT ALL EXP EDGES			
118	LAVATORY		●					●			●		●				●		9'-0"	C.T.	:BULLNOSE AT ALL EXP EDGES			
119	LAVATORY		●					●			●		●				●		9'-0"	C.T.	:BULLNOSE AT ALL EXP EDGES			
120	CORRIDOR					●		●			●						●		9'-0"					
121	W. H.C. LAVATORY		●					●			●		●				●		9'-0"	C.T.	:BULLNOSE AT ALL EXP EDGES			
122	M. H.C. LAVATORY		●					●			●		●				●		9'-0"	C.T.	:BULLNOSE AT ALL EXP EDGES			
123	CORRIDOR					●		●			●						●		9'-0"					
124	QUIET ROOM					●		●			●						●		9'-0"					
125	STAFF ROOM					●		●			●						●		9'-0"					
126	JAN. CL. STORAGE					●	●	●			●						●		9'-0"					
127	I.T. ROOM					●	●	●			●						●		9'-0"					
128	CORRIDOR					●		●			●						●		9'-0"					

A-601

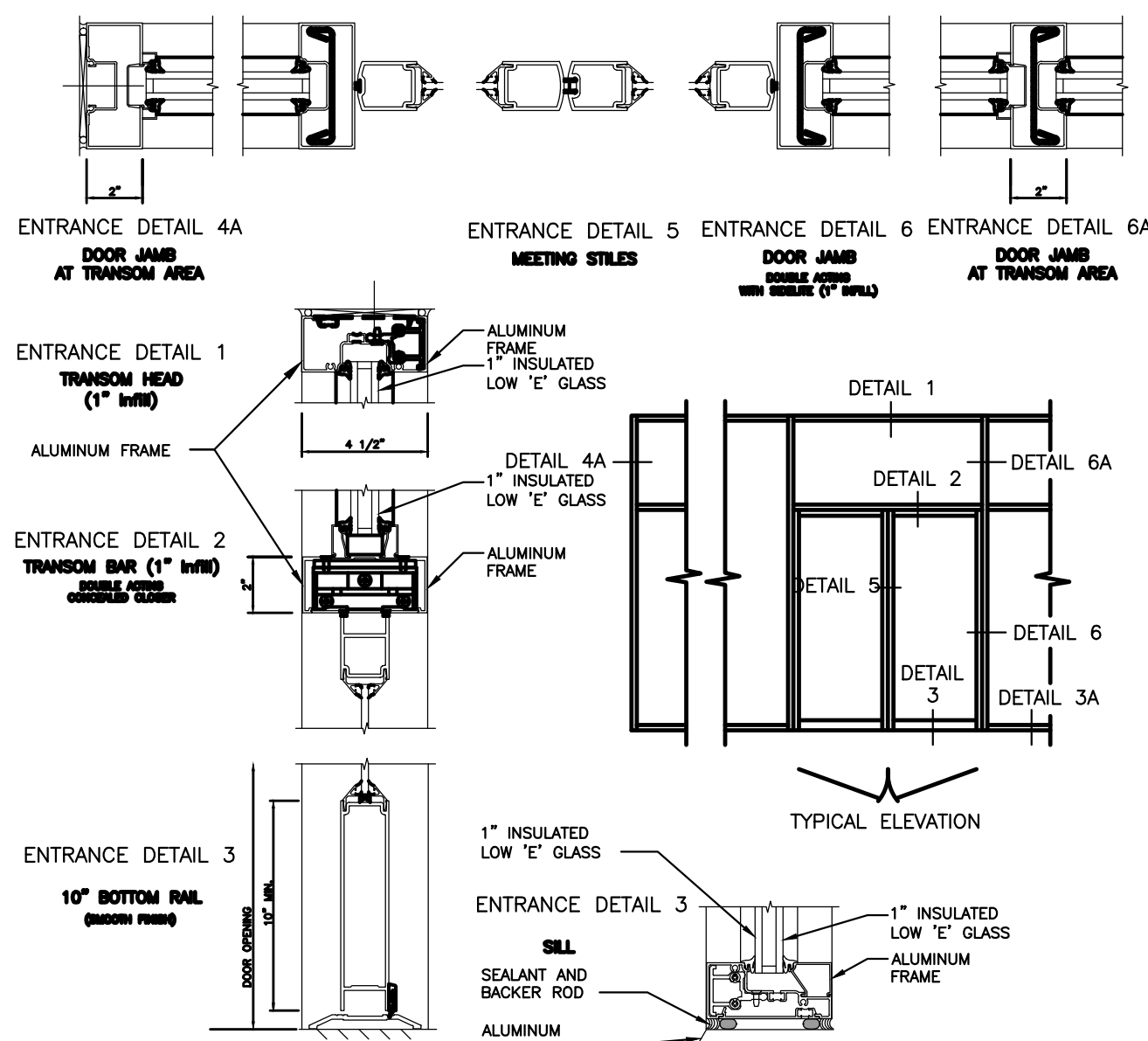


1 DOOR TYPES
A-602 SCALE: AS NOTED



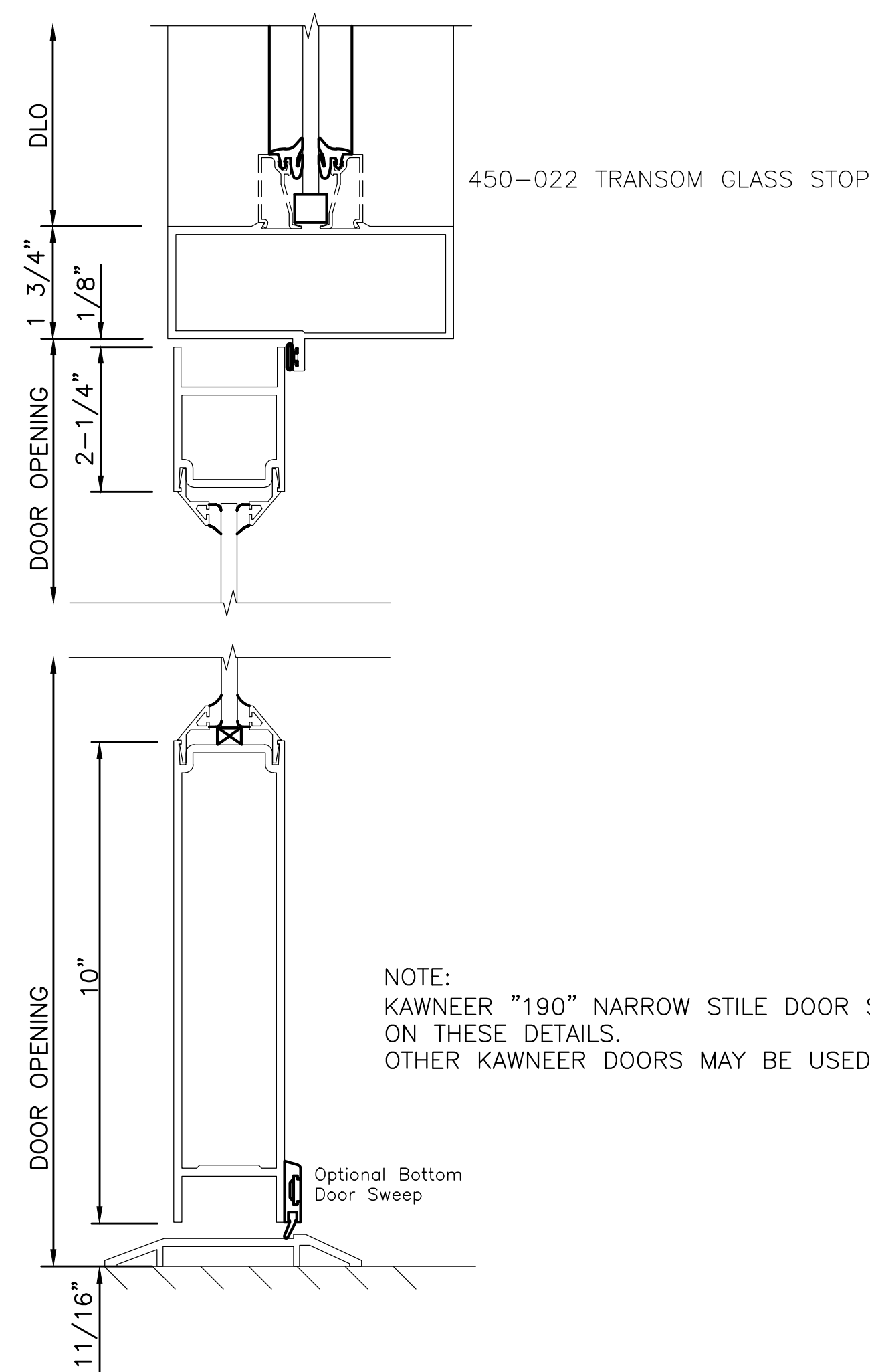
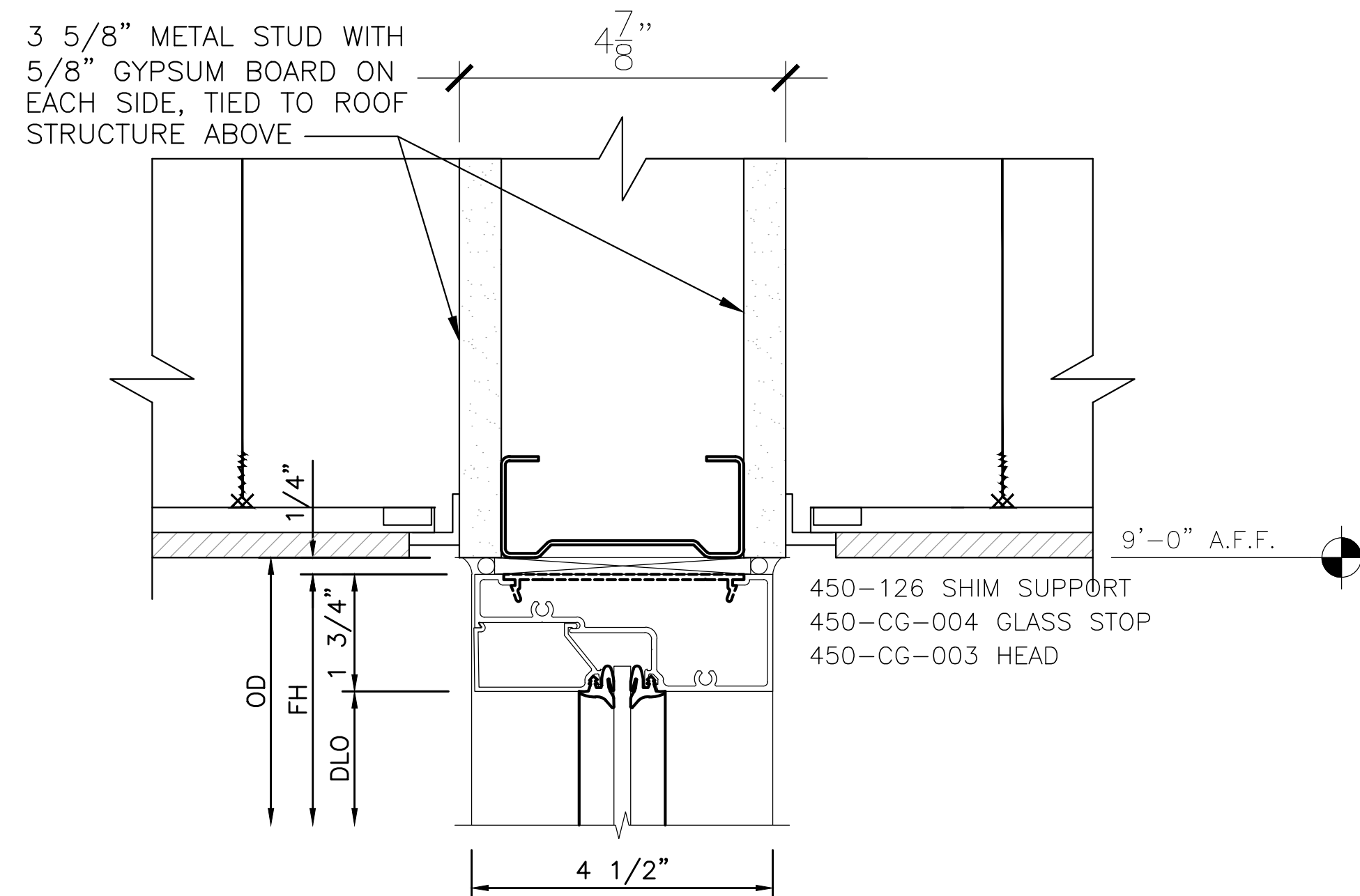


1 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

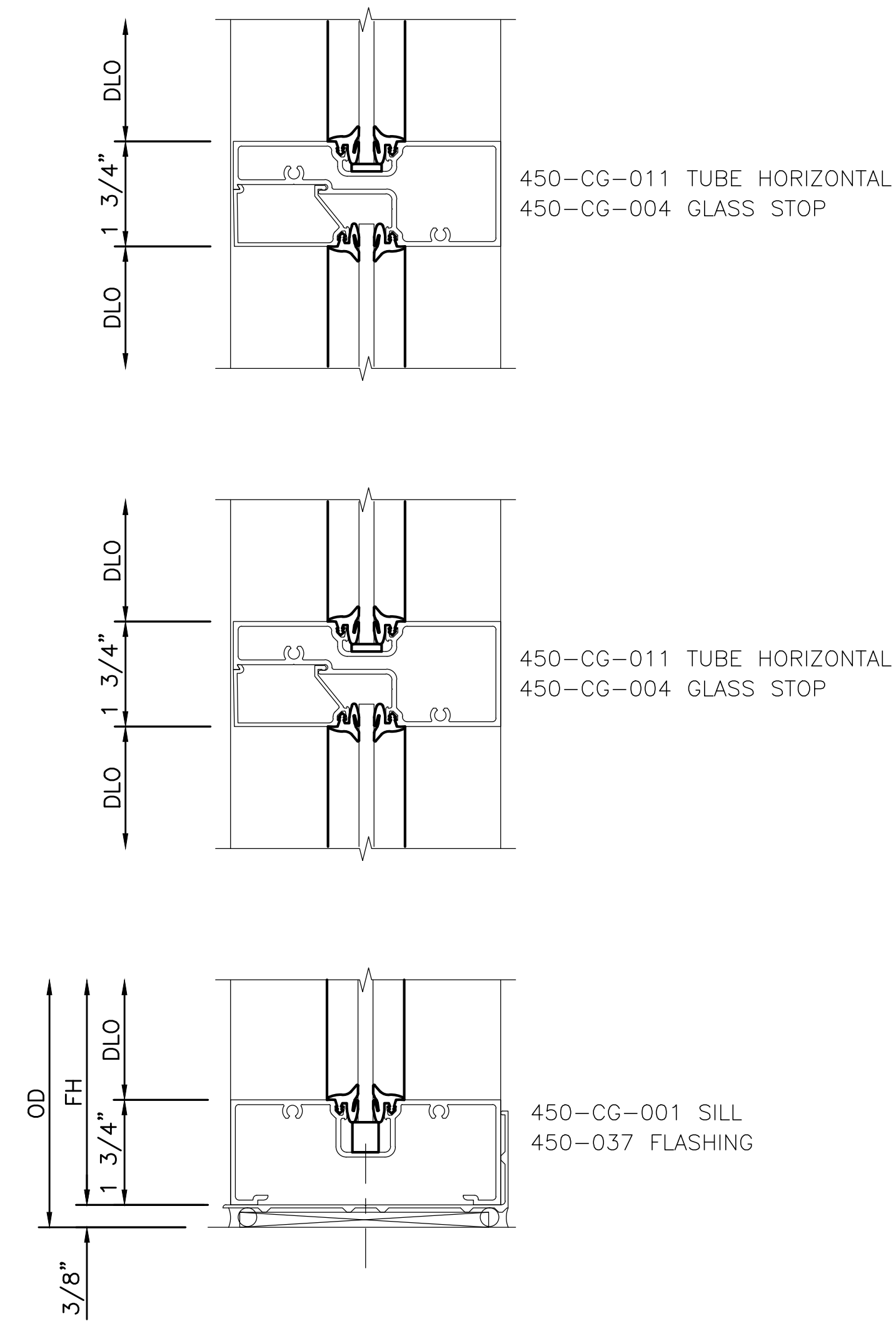
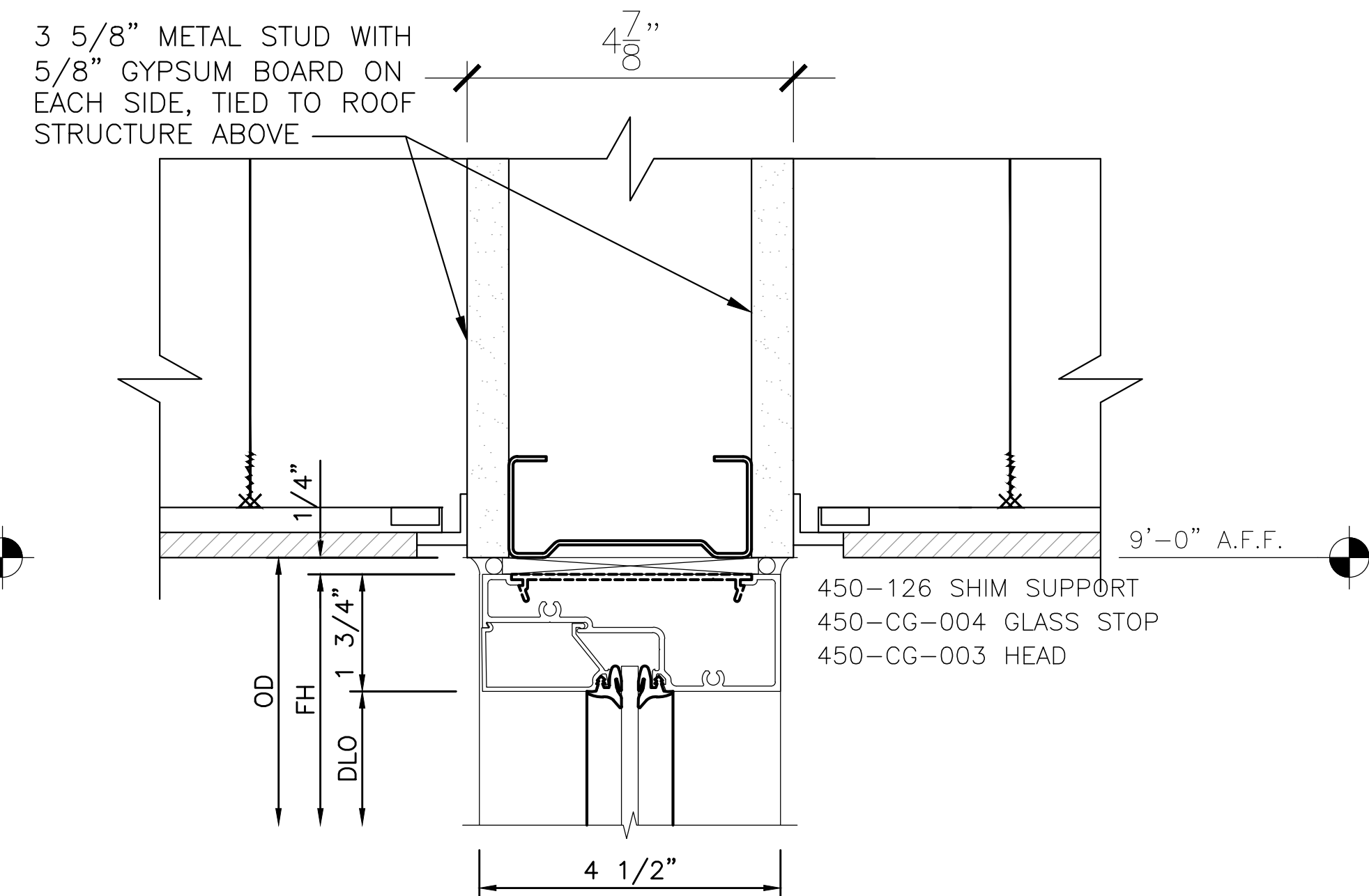


TYPICAL ALUM & GLASS DETAILS
SCALE: 1/8" = 1'-0"
ALL STOREFRONT GLAZING SHALL BE TEMPERED SAFETY GLASS
BASED ON KAWNEER 451T SYSTEM

4 ENTRY STOREFRONT DETAILS
SCALE: N.T.S.



2 FRAME TYPES
SCALE: N.T.S.



3 FRAME TYPES
SCALE: N.T.S.

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

SOUTHWEST COMMUNITY HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605

SHEET TITLE

STOREFRONT DETAILS AND SECTIONS

DESIGNED BY: PMR	SCALE: AS NOTED
DRAWN BY: MS	DATE: 08-16-2024
CHECKED BY: PMR	PROJECT NUMBER: 2531
CAD FILE: R:/2531/ARCH-BEHAVIORAL HEALTH_2024	

SEAL

SHEET NUMBER

A-603

GENERAL NOTES

1. PROJECT SCOPE: PROVIDE COMPLETE AND OPERATIONAL SYSTEMS AS OUTLINED IN THE CONTRACT DOCUMENTS INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
2. CONSTRUCTION CONTRACT DOCUMENTS: CONTRACT DOCUMENTS INCLUDING PLANS, DETAILS, AND ONE-LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE WORK. THESE DOCUMENTS ARE DIAGRAMMATIC AND DO NOT SHOW THE EXACT LOCATION OF CONNECTORS, FITTINGS, HANGERS, AND ADDITIONAL ELEMENTS WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE SYSTEMS AS OUTLINED IN THE CONTRACT DOCUMENTS. PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST, THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE PROJECT AREA BEFORE PERFORMING THE WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS.
3. COORDINATION:
- A) THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL CONSTRUCTION DOCUMENTS AND OTHER TRADES ASSOCIATED WITH THE PROJECT.
- B) THE CONTRACTOR SHALL VISIT THE SITE OF WORK AND FAMILIARIZE HIMSELF WITH ALL AVAILABLE INFORMATION CONCERNING THE NATURE OF THE INSTALLATION AND CONDITIONS.
- C) BEFORE SELECTING MATERIAL, EQUIPMENT AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
- D) PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN THAT MAY EXIST; THUS, REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
- E) BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
- F) ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS DURING PROGRESS OF CONSTRUCTION, TO ALLOW FOR PROPER SYSTEM INSTALLATIONS.
- G) COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SLEEVES TO BE SET IN POURED IN PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.
- H) SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING THE BUILDING.
- I) FAILURE OF THE CONTRACTOR TO ACQUAINT HIMSELF WITH ALL AVAILABLE INFORMATION CONCERNING THE ABOVE CONDITIONS AND NOT PERFORMING PROPER COORDINATION WILL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ESTIMATING THE DIFFICULTIES AND COSTS FOR SUCCESSFULLY PERFORMING THE COMPLETE WORK UNDER THIS PROJECT.
4. SHUTDOWNS: WRITTEN REQUESTS FOR APPROVAL FOR PLANNED SHUTDOWNS OR INTERRUPTION OF OWNERS UTILITIES, SYSTEMS AND EQUIPMENT SHALL BE MADE 72 HOURS PRIOR TO THE START OF THE REQUESTED SHUTDOWN PERIODS.
5. CODES AND STANDARDS: THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL CODES THAT HAVE JURISDICTION WHERE THE WORK IS BEING PERFORMED. THROUGHOUT THE CONTRACT DOCUMENTS CERTAIN CODES AND STANDARDS ARE REFERENCED. THE CONTRACTOR SHALL USE THE LATEST VERSIONS OF CODES AND STANDARDS REFERENCED UNLESS OTHERWISE NOTED. IF THE CONTRACTOR IS NOT FAMILIAR WITH THE REFERENCED STANDARD, THEY SHALL CONTACT THE OWNERS REPRESENTATIVE FOR DIRECTION.
6. PERMITS: THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GOVERNING AUTHORITIES.
7. WORKMAN: ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GOVERNING AUTHORITIES CODES AND REGULATIONS.
8. SUBMITTALS: THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR ALL EQUIPMENT AND MATERIALS BEING PROVIDED BEFORE SUCH EQUIPMENT AND MATERIALS ARE PURCHASED AND INSTALLED. THE SUBMITTALS SHALL BE REVIEWED AND RETURNED BY THE OWNERS REPRESENTATIVE WITH APPROPRIATE COMMENTS. SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY IN PDF FORMAT AND WILL BE RETURNED WITH COMMENTS TO THE CONTRACTOR IN PDF FORMAT.
9. AS-BUILT DOCUMENTATION: THE CONTRACTOR SHALL PROVIDE ONE MARK-UP SET OF CONSTRUCTION DOCUMENTS SHOWING FINAL AS-BUILT CONDITIONS. DOCUMENTS SHALL CLEARLY SHOW THE CHANGES MADE TO THE INSTALLED SYSTEMS.
10. EQUIPMENT WARRANTIES, MAINTENANCE MANUALS AND INSTALLATION MANUALS: TURN OVER TO THE OWNER ALL MANUFACTURERS' WARRANTIES, MAINTENANCE MANUALS, AND INSTALLATION MANUALS FOR EQUIPMENT AND MATERIALS PROVIDED.
11. PHOTOGRAPHS: PHOTOGRAPHS ARE PROVIDED TO SHOW CURRENT CONDITION OF BUILDING SYSTEMS TO ASSIST THE CONTRACTOR. PHOTOGRAPHS DO NOT SHOW ALL AREAS OF THE BUILDING OR ALL SYSTEM CONDITIONS, THUS REQUIRING THE CONTRACTOR TO VISIT THE SITE BEFORE PERFORMING WORK. PHOTOGRAPHS ARE NOT INTENDED TO SHOW SCOPE OF WORK, PLANS, NOTES, SPECIFICATIONS AND OTHER BID DOCUMENTS INDICATE SCOPE OF WORK.
12. TERMINOLOGY:
- A) THE TERM "INDICATED" SHALL MEAN, "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)".
- B) THE TERM "PROVIDE" SHALL MEAN, "TO FURNISH, INSTALL, AND CONNECT COMPLETELY".
- C) THE TERM "COORDINATE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "TO MANAGE, INTERFACE, COMMUNICATE, MAKE ARRANGEMENT, BRING INTO ORDER, ADMINISTER AND HANDLE COMPLETELY".
- D) THE TERM "INTERIOR" IS AN INTERIOR LOCATION WHERE ITS ENVIRONMENT IS HEATED AND/OR AIR CONDITIONED AND NOT SUBJECT TO OUTSIDE WEATHER CONDITIONS.
- E) THE TERM "EXTERIOR" IS ALL LOCATIONS, WHICH ARE NOT INTERIOR, OR UNDERGROUND.
- F) THE TERM "INTERIOR FINISHED SPACE" IS INTERIOR SPACES, WHICH ARE USED FOR OFFICES, CORRIDORS, LOBBIES, TOILETS, STORAGE AND FILING ROOMS, LOUNGES, MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.
13. DEMOLITION: DEMOLITION OF INDICATED ITEMS INCLUDES THE REMOVAL AND PROPER DISPOSAL OF THOSE ITEMS AND ALL ASSOCIATED PIPING, DUCTWORK, WIRING AND HANGERS. ELECTRICAL BRANCH, CONTROL, TELEPHONE, AND ALARM WIRING SHALL BE REMOVED BACK TO PANELBOARDS OR RELATED SYSTEM PANELS OR BACKBOARDS.
14. EQUIPMENT AND MATERIAL INSTALLATIONS:
- A) ALL EQUIPMENT AND MATERIALS SHALL BE LABELED AND LISTED, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURERS REQUIREMENTS.
- B) WHEN A MANUFACTURER RECOMMENDS AN OPTION OR ACCESSORY FOR THE INSTALLED CONDITION, OPERATION, OR ENVIRONMENT THAT IS TO BE EXPERIENCED, SUCH ITEM SHALL BE SUPPLIED AT NO ADDITIONAL COST TO THE OWNER.
- C) IF AN EQUIPMENT MANUFACTURER REQUIRES LARGER CAPACITY, CIRCUITRY AND/OR EQUIPMENT, THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER HIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
- D) LOCATE ALL EQUIPMENT, WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS, IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THAT PURPOSE.
- E) MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
- F) ALL WORK IN INTERIOR FINISHED SPACES SHALL BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR, PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF CEILING TILES AS REQUIRED TO PERFORM WORK.
- G) INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO CONFORM WITH APPROVED SUBMITTAL DATA, INCLUDING COORDINATION DRAWINGS (IF REQUIRED), TO GREATEST EXTENT POSSIBLE. CONFORM TO ARRANGEMENTS INDICATED BY THE CONTRACT DOCUMENTS, RECOGNIZING THAT PORTIONS OF THE WORK ARE SHOWN ONLY IN DIAGRAMMATIC FORM, WHERE COORDINATION REQUIREMENTS CONFLICT WITH INDIVIDUAL SYSTEM REQUIREMENTS, REFER CONFLICT TO THE ARCHITECT/ENGINEER.
- H) INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT LEVEL AND PLUMB, PARALLEL, AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS, WHERE INSTALLED EXPOSED IN FINISHED SPACES.
- I) INSTALL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE, AND REPAIR OR REPLACEMENT OF EQUIPMENT COMPONENTS, AS MUCH AS PRACTICAL, CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS.
- J) INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT GIVING RIGHT OF WAY PRIORITY TO SYSTEMS REQUIRED TO BE INSTALLED AT A SPECIFIED SLOPE.
- K) WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE.
- L) ASCERTAIN FROM EXAMINATION OF THE DRAWINGS, ANY SPECIAL TEMPORARY OPENINGS IN THE BUILDING STRUCTURE, AND THE ADMISSION OF APPARATUS PROVIDED UNDER THIS DIVISION. NOTIFY THE CONTRACTOR WITH SUFFICIENT NOTICE TO PROVIDE THESE OPENINGS. IN THE EVENT OF FAILURE TO GIVE SUFFICIENT NOTICE, THE CONTRACTOR SHALL ASSUME ALL COSTS OF PROVIDING SUCH OPENINGS THEREAFTER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DISSEMBLY AND ASSEMBLY OF EQUIPMENT AS REQUIRED TO PLACE EQUIPMENT IN THEIR FINAL LOCATIONS.
- M) BEFORE TRENCHING OR DIGGING, CONTACT THE UTILITY COMPANIES BY CALLING THE "CALL BEFORE YOU DIG" SERVICE AT 1-800-922-2445 FOR CONNECTICUT OR "DIG SAFE" AT 1-800-322-4844 FOR MASSACHUSETTS FOR INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES. DO NOT RELY ON CONTRACT SITE AND BUILDING DRAWINGS FOR UTILITY INFORMATION AS THEY ARE SCHEMATIC IN NATURE AND DO NOT SHOW EXACT INFORMATION OR ALL UTILITY LINES THAT MAY BE PRESENT.
15. FIRE RATINGS: THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS FOR FIRE RATED ASSEMBLIES. ALL PIPING, DUCTWORK AND CONDUITS PASSING THROUGH OR PENETRATING WALLS, CEILINGS AND FLOORS SHALL BE PROVIDED WITH A U.L. LISTED FIRE STOPPING ASSEMBLY. U.L. LISTED FIRE STOPPING ASSEMBLIES SHALL BE SUITABLE FOR THE CONDITIONS ENCOUNTERED AND SHALL BE RATED EQUAL TO THE RATING OF THE WALL, CEILING OR FLOOR. REVIEW FIRE RATED ASSEMBLIES THAT ALLOW PENETRATIONS OF ITEMS SUCH AS OUTLET BOXES AND CONDUITS THAT DO NOT REQUIRE FIRE STOPPING. SPACES AND POSITIONS THESE DEVICES AS ALLOWED PER THE ASSEMBLY'S U.L. RATING.
16. SERVICE LABELING: LABEL EQUIPMENT, PIPING, CONDUITS, INCLUDING FANS, AIR HANDLERS, TERMINAL UNITS, PANELBOARDS, ETC. WITH LABELS MADE OF SELF-EXTINGUISHING PLASTIC FILM DESIGNED FOR PERMANENT INSTALLATION. LABELS SHALL MATCH DESIGNATIONS AS INDICATED ON CONTRACT DRAWINGS. IDENTIFY PIPING AND CONDUITS IN ACCORDANCE WITH CSRA 21 CFR 1610.114. EXCEPT THAT LABELS OR TAPES MAY BE USED IN LIEU OF PAINTING OR STENCILING. SPACING OF IDENTIFICATION MARKING ON RUNS SHALL NOT EXCEED 50 FEET. MATERIALS FOR LABELS AND TAPES SHALL CONFORM TO UL AA-1689, AND SHALL BE GENERAL PURPOSE TYPE AND COLOR CLASS.
- A) IN ADDITION IDENTIFY SERVICES AS INDICATED BELOW:
- B) EACH POINT OF ENTRY AND EXIT OF PIPE OR CONDUITS PASSING THROUGH WALLS.
- C) EACH CHANGE IN DIRECTION, I.E. ELBOWS, TEES.
- D) IN CONGESTED OR HIDDEN AREAS AND AT ALL ACCESS PANELS AT EACH POINT REQUIRED TO CLARIFY SERVICE OR INDICATED HAZARD.
- E) IN LONG STRAIGHT RUNS, LOCATE LABELS AT DISTANCES WITHIN EYESIGHT OF EACH OTHER NOT TO EXCEED 50 FEET. ALL LABELS SHALL BE VISIBLE AND LEGIBLE FROM THE PRIMARY SERVICE AND OPERATING AREA.
17. MANUFACTURERS NAMEPLATES: EACH ITEM OF EQUIPMENT SHALL HAVE A NAMEPLATE BEARING THE MANUFACTURERS NAME, ADDRESS, MODEL NUMBER, AND SERIAL NUMBER SECURELY AFFIXED IN A CONSPICUOUS PLACE. THE NAMEPLATE OF THE DISTRIBUTING AGENT WILL NOT BE ACCEPTABLE.
18. POSTED OPERATING INSTRUCTIONS: PROVIDE FOR EACH SYSTEM AND PRINCIPAL ITEM OF EQUIPMENT AS SPECIFIED FOR USE BY OPERATION AND MAINTENANCE PERSONNEL. PRINT OR ENGRAVE OPERATING INSTRUCTIONS EXPOSED TO THE WEATHER, PROVIDE WEATHER-RESISTANT MATERIALS OR WEATHERPROOF ENCLOSURES. OPERATING INSTRUCTIONS SHALL NOT FADE WHEN EXPOSED TO SUNLIGHT AND SHALL BE SECURED TO PREVENT EASY REMOVAL OR PEELING. THE OPERATING INSTRUCTIONS SHALL INCLUDE THE FOLLOWING:
- A) WIRING DIAGRAMS, CONTROL DIAGRAMS, AND CONTROL SEQUENCE FOR EACH PRINCIPAL SYSTEM AND ITEM OF EQUIPMENT.
- B) START UP, PROPER ADJUSTMENT, OPERATING, LUBRICATION, AND SHUTDOWN PROCEDURES.
- C) SAFETY PRECAUTIONS.
- D) THE PROCEDURE IN THE EVENT OF EQUIPMENT FAILURE.
- E) OTHER ITEMS OF INSTRUCTION AS RECOMMENDED BY THE MANUFACTURER OF EACH SYSTEM OR ITEM OF EQUIPMENT.
19. WARNING SIGNS: PROVIDE WARNING SIGNS FOR THE ENCLOSURES OF ELECTRICAL EQUIPMENT INCLUDING SUBSTATIONS, PAD-MOUNTED TRANSFORMERS, PAD-MOUNTED SWITCHES, GENERATORS, AND SWITCHGEAR HAVING A NOMINAL RATING EXCEEDING 600 VOLTS.
20. EXTERIOR FERROUS MATERIALS: ALL EXTERIOR FERROUS MATERIALS SHALL BE PROTECTED FROM CORROSION BY ONE OF THE FOLLOWING METHODS:
- A) COVERED WITH A NON-FERROUS OR NON-CORRODING MATERIAL.
- B) MATERIALS THAT ARE INSULATED ON THE EXTERIOR.
- C) MATERIALS THAT ARE GALVANIZED.
- D) MATERIALS THAT ARE PAINTED. EXTERIOR PAINTING SHALL CONSIST OF A BASE COAT OF AN APPROPRIATE PRIMER AND TWO COATS OF FINAL PAINT. FINAL PAINT COLOR SHALL BE SELECTED BY THE OWNERS REPRESENTATIVE.

ABBREVIATIONS

- % - PERCENT
(TYP.) - TYPICAL FOR OTHER LOCATIONS
Ø - OF DIA - DIAMETER
° - DEGREE
'- - FEET
"- - INCHES
A - AMPERES
LL - COMPRESSED AIR PIPING
ABV - ABOVE
AC - ALTERNATING CURRENT
ACID - ACID WASTE PIPING
ACLC - AIR-COOLED LIQUID CHILLER
AFG - ABOVE FINISHED FLOOR
AHU - AIR HANDLING UNIT
AMP - AMPERE
AS - AIR SEPARATOR
ATM - ATMOSPHERE
ATS - AUTOMATIC TRANSFER SWITCH
AWG - AMERICAN WIRE GAUGE
BHP - BRAKE HORSEPOWER
BKBD - BACKBOARD
BLW - BELOW
BTU - BRITISH THERMAL UNIT
C - CONDENSATE
C - CONDUIT RACEWAY
CO2 - CARBON DIOXIDE
CTV - CLOSED CIRCUIT TELEVISION
CDWR - CONDENSER WATER RETURN
CDWS - CONDENSER WATER SUPPLY
CFM - CUBIC FEET PER MINUTE
CH - CABINET HEATER
CI - CAST IRON
CKT - CIRCUIT
CLG - CEILING
CL - CLEANOUT
CT - COMPRESSION TANK
CV - COEFFICIENT, VALVE FLOW
CW - DOMESTIC COLD WATER
NWR - CHILLED WATER RETURN
NWS - CHILLED WATER SUPPLY
D - DRAIN
DA - DRY AGENT PIPING
DB - DECEBEL
DB - DRY-BULB
DC - DIRECT CURRENT
DOW - DOMESTIC COLD WATER
DHW - DOMESTIC HOT WATER
DHC - DOMESTIC HOT WATER
PA - PRE- ACTION PIPING
PAA - PUBLIC ADDRESS AMPLIFIER
PC - PUMPED CONDENSATE
PD - PRESSURE DROP OR DIFFERENCE
PH - PHASE
PIV - POST INDICATING VALVE
PROP - PROPANE
PROP - PROPANE VENT
PSI - POUNDS PER SQUARE INCH
PSIA - PSI ABSOLUTE
PSIG - PSI GAUGE
PWR - POWER
QTY - QUANTITY
R12 - REFRIGERANT (12.22 ETC.)
RA - RETURN AIR
RCVR - RECEIVER
RECIRC - RECIRCULATE
RECT - RECTANGLE
RH - RELATIVE HUMIDITY
RM - ROOM
RPA - REDUCE PRESSURE PRINCIPLE
RPM - REVOLUTIONS PER MINUTE
RSC - RIGID STEEL CONDUIT
RTU - ROOF TOP UNIT
SA - SUPPLY AIR
SAN - SANITARY
FAAP - FIRE ALARM ANNUNCIATION PANEL
FACP - FIRE ALARM CONTROL PANEL
SF - SAFETY FACTOR
SF - SQUARE FEET
SHR - SHOWER
SK - SINK
SL - REFRIGERANT SUCTIION
SP - SPRINKLER PIPE
FMP - FIRE MANUAL PULL STATION
FOC - FUEL OIL SUCTIION
FOG - FUEL OIL GAUGE
FOR - FUEL OIL RETURN
FOS - FUEL OIL SUPPLY
FOV - FUEL OIL VENT
FP - FIRE PROTECTION
FPM - FEET PER MINUTE
FPS - FEET PER SECOND
FS - FLOW SWITCH
FT - FEET
FU - FUSED
G - LOW PRESSURE NATURAL GAS
GA - GAUGE
GAL - GALLON(S)
GEC - GROUNDING ELECTRODE CONDUCTOR
GFCI - GROUND FAULT CIRCUIT INTERRUPTER
GFI - GROUND FAULT INTERRUPTER
GFP - GROUND FAULT PROTECTION
GMP - GLYCOL MAKE-UP PACKAGE
GPH - GALLONS PER HOUR
GPM - GALLONS PER MINUTE
GRS - SANITARY GREASE
GV - GAS VENT PIPING
HD - HEAD
HGT - HEIGHT
HOA - HAND OFF AUTO
HOR - HORIZONTAL
HP - HORSEPOWER
HPC - HIGH PRESSURE STEAM CONDENSATE
HPS - HIGH PRESSURE NATURAL GAS
WCR - HEAT PUMP WATER RETURN
HPS - HEAT PUMP WATER SUPPLY
HPS - HIGH PRESSURE STEAM
HR - HOUR(S)
HRU - HEAT RECOVERY UNIT
HTWR - HIGH TEMP HOT WATER SUPPLY
HWS - HIGH TEMP HOT WATER RETURN
HWM - HOT WATER MAKE UP
HX - HEAT EXCHANGER
H2 - HERTZ FREQUENCY
ID - INSIDE DIAMETER
IEGC - INSULATED EQUIP. GROUNDING CONDUCTOR
IMC - INTERMEDIATE METAL CONDUIT
IPS - IRON PIPE SIZE
K - THERMAL CONDUCTIVITY
KALC - KILO-AMPERES INTERRUPTING CURRENT
- KVA - KILO VOLT-AMPERES
KW - KILOWATT(S)
KWH - KILOWATT HOUR
KWH - KILOWATT HOUR
LAT - LEAVING AIR TEMPERATURE
LAV - LAVATORY
LVC - LOW VOLTAGE
LL - REFRIGERANT LIQUIDLINE
LPC - LOW PRESSURE STEAM CONDENSATE
LPS - LOW PRESSURE STEAM
LTD - LEAST TEMPERATURE DIFFERENCE
LTH - LIGHTING
LTWR - LOW TEMP HOT WATER RETURN
LTWS - LOW TEMP HOT WATER SUPPLY
MA - MEDICAL GAS COMPRESSED AIR PIPING
MAX - MAXIMUM
MCB - MOLDED CASE CIRCUIT BREAKER
MND - MIN DISTRIBUTION PANEL
MIN - MINIMUM
ML - MAIN LINE ONLY
MOP - MAXIMUM OVERCURRENT PROTECTION
MPC - MED PRESSURE STEAM CONDENSATE
MPG - MED PRESSURE NATURAL GAS
MPS - MED PRESSURE STEAM
MTWR - MED TEMP HOT WATER RETURN
MWS - MED TEMP HOT WATER SUPPLY
MW - MAKEUP WATER
NA - NOT APPLICABLE
N2 - MEDICAL GAS NITROGEN
NOD - MEDICAL GAS NITROUS OXIDE PIPING
NO - NOISE CRITERIA
NC - NORMALLY CLOSED
NEC - NATIONAL ELECTRIC CODE
NFR - NON-FUSED
NFW - NON-FREEZE WALL HYDRANT
NO - NORMALLY OPEN
NO - NUMBER
NTS - NOT TO SCALE
O2 - MEDICAL GAS OXYGEN
OA - OUTSIDE AIR
OD - STORM OVERFLOW
OSBY - OUTSIDE STEM & YOKE
OZ - OUNCE
P - POLE
PA - PRE- ACTION PIPING
PAA - PUBLIC ADDRESS AMPLIFIER
PC - PUMPED CONDENSATE
PD - PRESSURE DROP OR DIFFERENCE
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IMC - INTERMEDIATE METAL CONDUIT
IPS - IRON PIPE SIZE
K - THERMAL CONDUCTIVITY
KALC - KILO-AMPERES INTERRUPTING CURRENT

PLUMBING SPECIFICATIONS

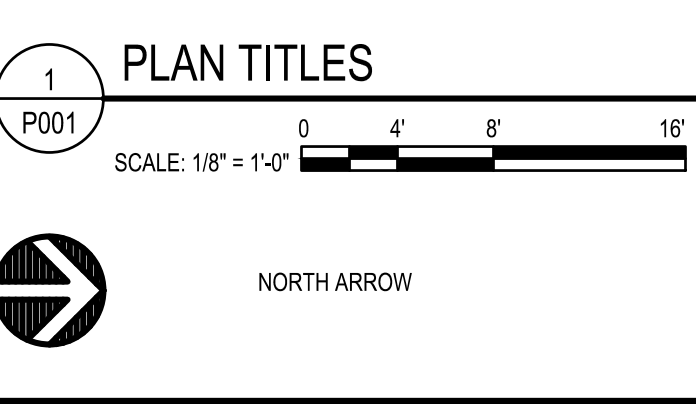
1. GENERAL
- 1.1 SUMMARY: THIS SECTION INCLUDES MATERIAL REQUIREMENTS AND INSTALLATION REQUIREMENTS FOR PLUMBING SYSTEMS. THE FOLLOWING ITEMS ARE INCLUDED IN THIS SECTION: DOMESTIC WATER DISTRIBUTION SYSTEMS, DRAINAGE AND VENT SYSTEMS, PLUMBING FIXTURES AND EQUIPMENT, SUPPORTS AND ANCHORS, PLUMBING SYSTEM INSULATION AND JOINT SEALERS.
- 1.2 REGULATORY REQUIREMENTS: COMPLY WITH THE PROVISIONS OF THE FOLLOWING: INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PLUMBING CODE, CONNECTICUT BUILDING CODE, CONNECTICUT LIFE SAFETY CODE AND NFPA NATIONAL ELECTRIC CODE.
2. PRODUCTS
- 2.1 DOMESTIC WATER DISTRIBUTION SYSTEMS: SEE PLUMBING PIPING MATERIAL SCHEDULE.
- B. VALVES AND SPECIALTIES:
1. BALL VALVES, 1 INCH AND SMALLER: RATED FOR 150 PSI SATURATED STEAM PRESSURE, 400 PSI WOG PRESSURE, TWO-PIECE CONSTRUCTION, WITH BRONZE BODY CONFORMING TO ASTM B 62, STANDARD (OR REGULAR) PORT, CHROME-PLATED BRASS BALL, REPLACEABLE "TIEFLON" OR "TEE" SEATS AND SEALS, BLOWOUT-PROOF STEM, AND VINYL-COVERED STEEL HANDLE.
- 2.2 SANITARY DRAINAGE AND VENT SYSTEMS: SEE PLUMBING PIPING MATERIAL SCHEDULE.
- 2.3 PLUMBING FIXTURES AND EQUIPMENT
- A. PROVIDE PLUMBING FIXTURES AND TRIM, FITTINGS, OTHER COMPONENTS, AND SUPPORTS AS INDICATED ON THE CONTRACT DRAWINGS.
- 2.4 SUPPORTS AND ANCHORS
- A. HANGERS AND SUPPORT COMPONENTS SHALL BE FACTORY FABRICATED OF MATERIALS, DESIGN, AND MANUFACTURER COMPLYING WITH MSS SP-58. COMPONENTS SHALL HAVE GALVANIZED COATINGS WHERE INSTALLED FOR PIPING AND EQUIPMENT THAT WILL NOT HAVE FIELD-APPLIED FINISH. PIPE ATTACHMENTS SHALL HAVE NONMETALLIC COATING FOR ELECTROLYTIC PROTECTION WHERE ATTACHMENTS ARE IN DIRECT CONTACT WITH COPPER TUBING.
- 2.5 PLUMBING SYSTEM INSULATION
- A. INSULATION GENERAL: CONFORM TO THE FOLLOWING CHARACTERISTICS FOR INSULATION INCLUDING FACINGS, CEMENTS, AND ADHESIVES, WHEN TESTED ACCORDING TO ASTM E 84, BY UL OR OTHER TESTING OR INSPECTING ORGANIZATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. LABEL INSULATION WITH APPROPRIATE MARKINGS OF TESTING LABORATORY. INTERIOR INSULATION: FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS. EXTERIOR INSULATION: FLAME SPREAD RATING OF 75 OR LESS AND SMOKE DEVELOPED RATING OF 150 OR LESS.
- B. INSULATION: SEE PLUMBING PIPING & EQUIPMENT INSULATION SCHEDULE.
- 2.6 JOINT SEALERS
- A. JOINT SEALER PRODUCTS SHALL BE TESTED IN ACCORDANCE WITH ASTM E-119, ASTM E-814 AND ASTM E-84. ALL PRODUCTS SHALL NOT CONTAIN ASBESTOS OR PCB'S. ALL JOINT SEALERS SHALL BE INSTALLED IN U.L. LISTED CONFIGURATIONS.
3. EXECUTION
- 3.1 INSTALLATION OF DOMESTIC WATER DISTRIBUTION SYSTEMS: SEE PLUMBING PIPING MATERIAL SCHEDULE.
- B. FIRE BARRIER PENETRATIONS: WHERE PIPES PASS THOUGH FIRE-RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS, MAINTAIN THE FIRE-RATED INTEGRITY.
- C. TEST WATER DISTRIBUTION PIPING AS FOLLOWS: TEST FOR LEAKS AND DEFECTS ALL NEW WATER DISTRIBUTION PIPING SYSTEMS AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH A DIAGRAM OF THE PORTION OF THE SYSTEM TESTED.
- D. REPAIR ALL LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST SYSTEM OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.
- E. CLEAN AND DISINFECT WATER DISTRIBUTION PIPING AS FOLLOWS: PURGE ALL NEW WATER DISTRIBUTION PIPING SYSTEMS AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED PRIOR TO USE. USE THE PURGING AND DISINFECTING PROCEDURE PROSCRIBED BY THE AUTHORITY HAVING JURISDICTION OR, IN CASE A METHOD IS NOT PRESCRIBED BY THAT AUTHORITY, THE PROCEDURE DESCRIBED IN EITHER AWWA C651, OR AWWA C652.
- 3.2 INSTALLATION OF SANITARY DRAINAGE AND VENT SYSTEMS
- A. PREPARATION FOUNDATION FOR UNDERGROUND BUILDING DRAINS: GRADE TRENCH BOTTOMS TO PROVIDE A SMOOTH, FIRM, AND STABLE FOUNDATION, FREE FROM ROCK, THROUGHOUT THE LENGTH OF THE PIPE. REMOVE UNSTABLE, SOFT, AND UNSUITABLE MATERIALS AT THE SURFACE UPON WHICH PIPES ARE TO BE LAID AND BACKFILL WITH CLEAN SAND OR PEA GRAVEL TO INDICATED INVERT ELEVATION. SHAPE BOTTOM OF TRENCH TO FIT BOTTOM OF PIPE FOR 90-DEGREES (BOTTOM 1/4 OF THE CIRCUMFERENCE). FILL UNEVENNESS WITH TAMPED SAND BACKFILL. AT EACH PIPE JOINT DIG BELL HOLES TO RELIEVE THE BELL OF THE PIPE OF ALL LOADS, AND TO ENSURE CONTINUOUS BEARING OF THE PIPE BARREL ON THE FOUNDATION.
- B. PIPE APPLICATIONS: SEE PLUMBING PIPING MATERIAL SCHEDULE.
- C. FIRE BARRIER PENETRATIONS: WHERE PIPES PASS THROUGH FIRE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS, MAINTAIN THE FIRE RATED INTEGRITY.
- D. PIPING SYSTEM TEST: TEST DRAINAGE AND VENT SYSTEM IN ACCORDANCE WITH THE PROCEDURES OF THE AUTHORITY HAVING JURISDICTION. REPAIR ALL LEAKS AND DEFECTS USING NEW MATERIALS AND RETEST SYSTEM OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.
- E. ADJUSTING AND CLEANING: CLEAN INTERIOR OF PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES. CLEAN DRAIN STRAINERS, DOMES, AND TRAPS. REMOVE DIRT AND DEBRIS
- 3.3 INSTALLATION OF HANGERS AND SUPPORTS
- A. INSTALL HANGERS, SUPPORTS, CLAMPS AND ATTACHMENTS TO SUPPORT PIPING PROPERLY FROM BUILDING STRUCTURE; COMPLY WITH MSS SP-69 AND SP-89. ARRANGE FOR GROUPING OF PARALLEL RUNS OF HORIZONTAL PIPING SUPPORTED TOGETHER ON FIELD-FABRICATED, HEAVY-DUTY TRAPEZE HANGERS WHERE POSSIBLE. INSTALL SUPPORTS WITH MAXIMUM SPACINGS COMPLYING WITH MSS SP-69. WHERE PIPING OF VARIOUS SIZES IS SUPPORTED TOGETHER BY TRAPEZE HANGERS, SPACE HANGERS FOR SMALLEST PIPE SIZE OR INSTALL INTERMEDIATE SUPPORTS FOR SMALLER DIAMETER PIPE AS SPECIFIED ABOVE FOR INDIVIDUAL PIPE HANGERS.
- 3.4 INSTALLATION OF PLUMBING SYSTEM INSULATION: SEE PLUMBING PIPING & EQUIPMENT INSULATION SCHEDULE.
- 3.5 JOINT SEALER INSTALLATIONS
- A. VERIFY ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS TO DETERMINE WHERE ALL PIPING PASSES THROUGH FIRE/SMOKE RATED WALLS, CEILINGS, FLOORS OR OTHER BUILDING ELEMENTS THAT REQUIRE PENETRATIONS TO BE SEALED. INSTALL ALL JOINT SEALERS AS SPECIFIED PER THE MANUFACTURER. ALL JOINT SEALING SYSTEMS SHALL BE U.L. RATED AND INSTALLED IN U.L. LISTED CONFIGURATIONS.

CODE REQUIREMENTS

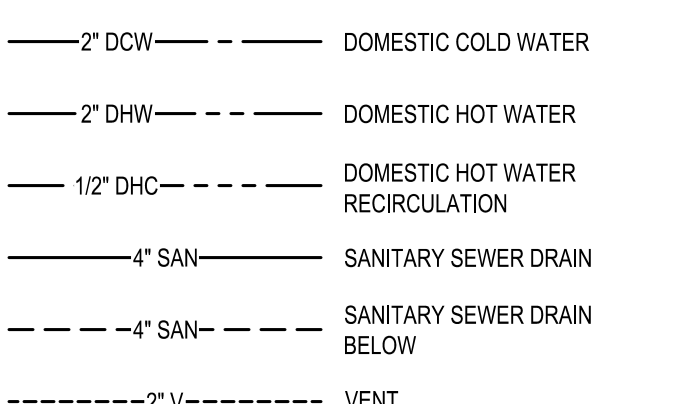
ALL CONSTRUCTION SHALL FOLLOW THE 2022 CONNECTICUT STATE BUILDING CODE WHICH INCLUDES INTERNATIONAL CODE COUNCIL'S 2021 INTERNATIONAL CODES AND REFERENCES THE ICC-1117-2017 STANDARD FOR ACCESSIBILITY. THE 2022 SBC ADOPTS AND MODIFIES THE FOLLOWING MODEL CODES.

2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 NATIONAL ELECTRICAL CODE (NFPA 70)
2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

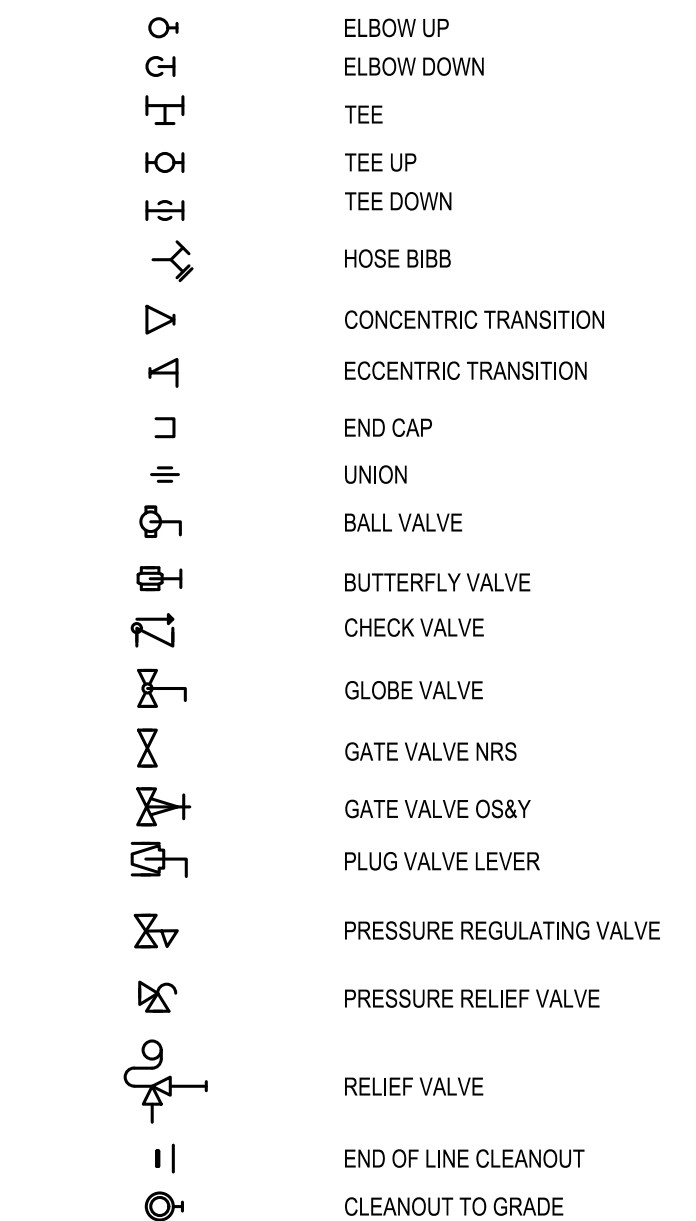
GENERAL SYMBOLS



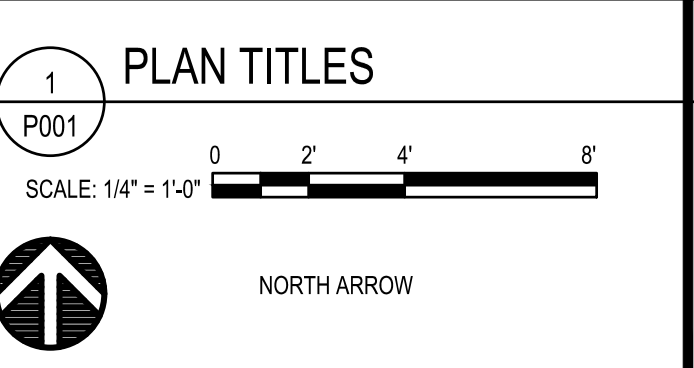
PLUMBING PIPE SYMBOLS



PLUMBING SYMBOLS



GENERAL SYMBOLS



Rose & Tiso
ARCHITECTS • SURVEYORS • ENGINEERS

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Phone: (508) 145-0555

REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:
**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET**

PLUMBING
NOTES & SYMBOLS

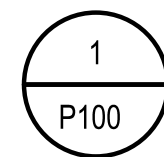
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DRAWN BY:	BAB	DATE:	06-26-2024
CHECKED BY:	KWK	PROJECT NUMBER:	C26-06
CAD FILE:	BH4P001.dwg		

SEAL

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NOT FOR
CONSTRUCTION

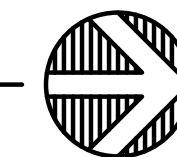
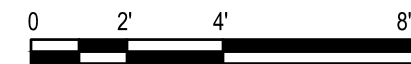
SHEET NUMBER

P001



SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"



PROJECT TITLE

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:
SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET

SHEET TITLE

PLUMBING
PARTIAL FLOOR PLAN

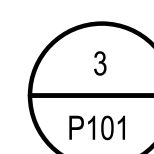
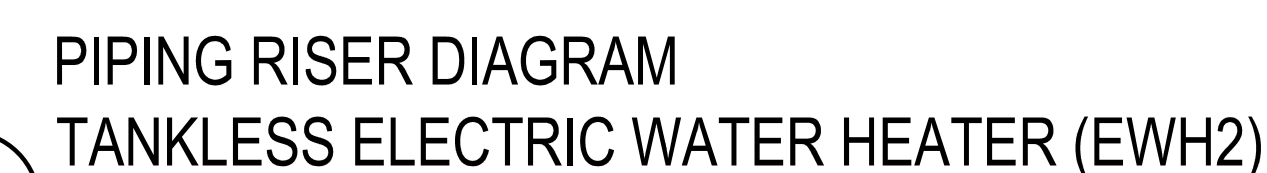
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DRAWN BY:	BAB	DATE:	06-26-2024
CHECKED BY:	KWK	PROJECT NUMBER:	C26-06
CAD FILE:	BH-P100.dwg		

SEAL

PROGRESS SET
NOT FOR
CONSTRUCTION

SHEET NUMBER

P100



BEHAVIORAL HEALTH - DOMESTIC WATER PARTIAL FLOOR PLAN

SCALE: 1/4" = 1'-0"

Age Group	No (%)	Yes (%)	Don't know (%)	Refuse to answer (%)
0	15	45	25	15
2	10	55	20	15
4	5	65	20	10

PROJECT TITLE _____

BEHAVIORAL HEALTH
CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET**

SHEET TITLE


PLUMBING
PARTIAL FLOOR PLAN

SEAL	SHEET NUMBER
<div style="transform: rotate(-45deg);"> PROGRESS SET NOT FOR CONSTRUCTION </div>	P101

SEAL

PROGRESS SET
NOT FOR
CONSTRUCTION

P101



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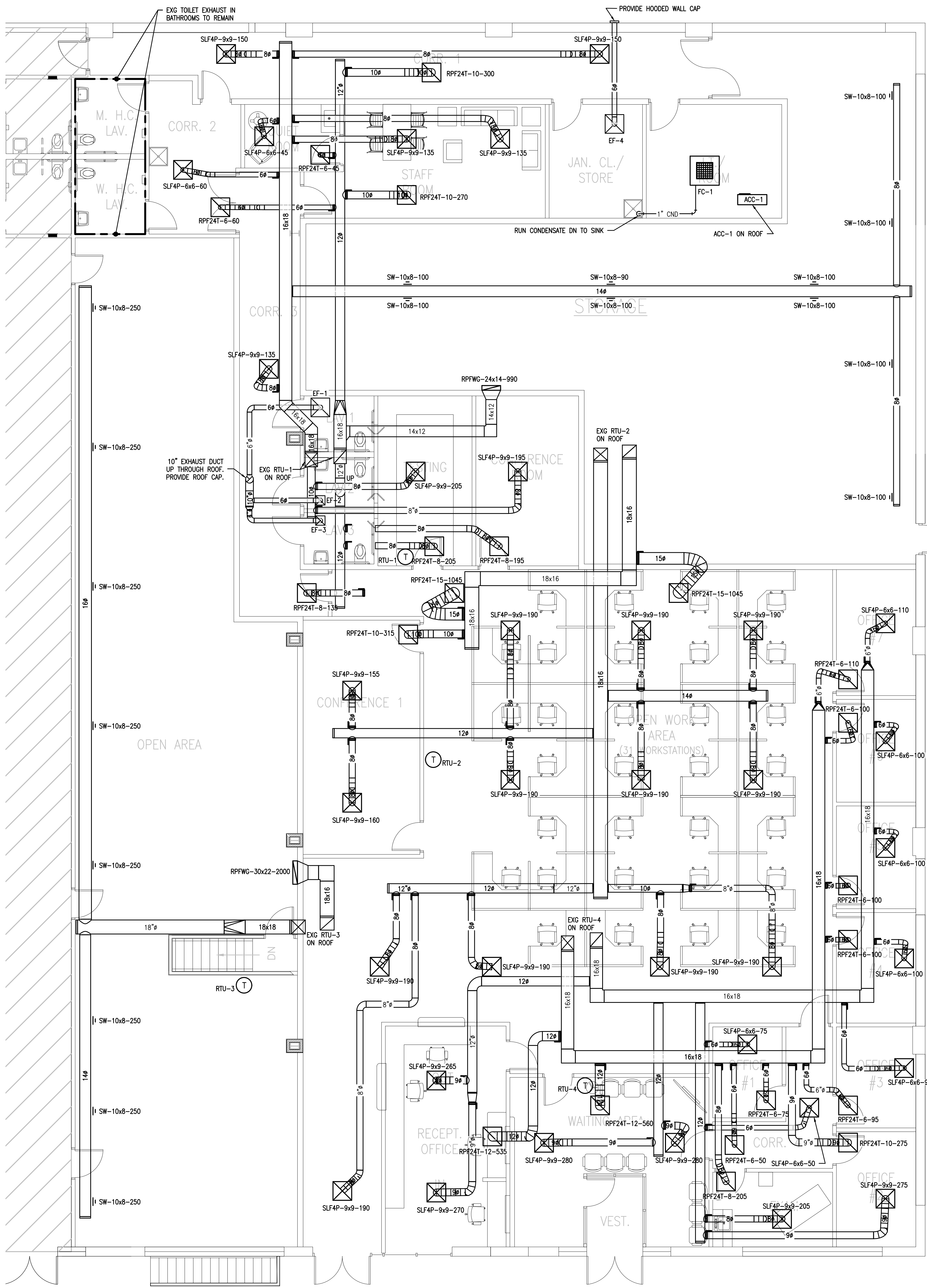
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DUCTWORK CONSTRUCTION SCHEDULE, NOTE 1			
DUCTWORK SYSTEM	DUCTWORK MATERIAL	PRESSURE CLASS (WD), NOTE 2	SEAL CLASS, NOTE 3
SUPPLY, NOTE 4	GALVANIZED STEEL	+2	A
RETURN, NOTE 4	GALVANIZED STEEL	-2	A
GENERAL EXHAUST POSITIVE PRESSURE	GALVANIZED STEEL	+1	B
GENERAL EXHAUST NEGATIVE PRESSURE	GALVANIZED STEEL	-1	B

- NOTES:
- ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SMACNA 2005 "HVAC DUCT CONSTRUCTION STANDARDS".
 - PRESSURE CLASSIFICATIONS ARE BASED ON SMACNA 2005 "HVAC DUCT CONSTRUCTION STANDARDS".
 - SEAL CLASS A: SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS & DUCT WALL PENETRATIONS. SEAL CLASS B: SEAL ALL TRANSVERSE JOINTS & LONGITUDINAL SEAMS.
 - INTERNALLY INSULATE 10 FEET OF SUPPLY AND RETURN DUCTWORK FROM UNITS.

DUCT SYSTEM	LOCATION	DUCT TEMP. (°F)	INSULATION MATERIAL, NOTE 3	DENSITY (LB/CF)	INSULATION THICKNESS (IN), NOTE 1	K-FACTOR AT A 75°F MEAN TEMP. (BTU"IN/HR"°F)	MIN. INSTALLED R-VALUE (H·FT²/BTU)	JACKET TYPE, NOTE 3	PRODUCT, NOTE 2	MANUFACTURER, NOTE 2
HEATING & COOLING SUPPLY	INDIRECTLY CONDITIONED SPACE	55 TO 110	INORGANIC GLASS MINERAL WOOL BLANKET	0.75	2-3/16	0.29	6	FSK	FRIENDLY FEEL DUCT WRAP WITH ECOSSE TECHNOLOGY	KNAUF
HEATING & COOLING RETURN	INDIRECTLY CONDITIONED SPACE	60 TO 74	NOT REQUIRED	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EXHAUST BETWEEN BACK DRAFT DAMPER & OUTDOOR DISCHARGE	INDIRECTLY CONDITIONED SPACE	0 TO 95	INORGANIC GLASS MINERAL WOOL BLANKET	0.75	2-3/16	0.29	6	FSK	FRIENDLY FEEL DUCT WRAP WITH ECOSSE TECHNOLOGY	KNAUF
DUCTWORK LINER, NOTE 4	INDIRECTLY CONDITIONED SPACE	55 TO 110	COATED RIGID FIBER GLASS PLENUM LINER BOARD	N/A	1.5	0.23	6.3	N/A	LINACUSTIC R-300	JOHNS MANVILLE

- NOTES:
- THICKNESS IS BASED ON LABEL.
 - OR EQUAL MANUFACTURERS ARE ACCEPTABLE.
 - INSULATION AND JACKET SHALL HAVE A MAXIMUM FLAME SPREAD OF 25 & SMOKE DEVELOPMENT OF 50 PER ASTM E 84.
 - PROVIDE AS INDICATED ON DRAWINGS, SPECIFICATIONS OR OTHER SCHEDULES. LINED DUCTWORK DOES NOT NEED TO BE INSULATED. EXTERIOR DUCTWORK NEEDS TO BE SEALED WEATHER TIGHT.

ROOF UNIT SCHEDULE				
DESIGNATION	EXISTING RTU-1	EXISTING RTU-2	EXISTING RTU-3	EXISTING RTU-4
LOCATION	ROOF	ROOF	ROOF	ROOF
SERVICE	NE PART OF BUILDING	NW PART OF BUILDING	SW PART OF BUILDING	SE PART OF BUILDING
DESCRIPTION	ROOF TOP UNIT	ROOF TOP UNIT	ROOF TOP UNIT	ROOF TOP UNIT
SUPPLY AIR FLOW (CFM)	2,100	2,100	2,400	2,100
VENTILATION AIR FLOW (CFM)	637	408	423	228
EXT. STATIC PRESS. (IN. H2O)	2.5	2.5	2.5	2.5
HEATING TYPE	NATURAL GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS
HEATING LOAD (MBH)	49.4	43.9	62.2	44.8
HEATING INPUT (MBH), NOTE 1	135	135	135	135
HEATING OUTPUT (MBH), NOTE 1	109	109	109	109
COOLING TYPE	DX COIL	DX COIL	DX COIL	DX COIL
COOLING COIL TOTAL LOAD (MBH)	66.5	68.1	71.9	62.1
COOLING COIL SENS. LOAD (MBH)	45.5	43.2	55.5	41.9
COOLING COIL LAT. LOAD (MBH)	21.0	14.9	16.4	10.2
COOLING COIL LAT. DBWB (°F)	76.9 / 66.3	75.6 / 64.9	75.3 / 63.3	74.4 / 63.5
CONDENSER EAT. DBWB (°F)	56.8 / 55.9	53.9 / 52.8	53.9 / 52.8	55.9 / 54.9
CONDENSER EAT. DBWB (°F)	85.6 / 72.9	85.6 / 72.9	85.6 / 72.9	85.6 / 72.9
FILTERS	REPLACE W/ MERV 8	REPLACE W/ MERV 8	REPLACE W/ MERV 8	REPLACE W/ MERV 8
ACCESSORIES	REPLACE THERMOSTAT WITH 7 DAY PROGRAMMABLE TYPE	REPLACE THERMOSTAT WITH 7 DAY PROGRAMMABLE TYPE	REPLACE THERMOSTAT WITH 7 DAY PROGRAMMABLE TYPE	REPLACE THERMOSTAT WITH 7 DAY PROGRAMMABLE TYPE
SUPPLY AND RETURN DUCT SMOKE DETECTORS W/ REMOTE TEST STATIONS	PROVIDE	PROVIDE	PROVIDE	PROVIDE
ELECTRICAL (V/PH/Hz)	208/3/60	208/3/60	208/3/60	208/3/60
ELECTRICAL MCA (AMPS)	37	37	37	37
ELECTRICAL MOCP (AMPS)	50	50	50	50
MODEL	RKKA-A073CL13E	RKKA-A073CL13E	RKKA-A073CL13E	RKKA-A073CL13E
MANUFACTURER	RHEEM	RHEEM	RHEEM	RHEEM

- NOTES:
- VERIFY IN FIELD.

EXHAUST FAN SCHEDULE				
DESIGNATION	EF-1	EF-2	EF-3	EF-4
LOCATION	CEILING	CEILING	CEILING	CEILING
SERVICE	LAV 1	LAV 2	LAV 3	JAN CLOSET/STORE
AIR FLOW (CFM)	75	75	75	75
EXT. STATIC PRESS. (WG)	0.250	0.250	0.250	0.250
AMCA SOUND RATING (SONES)	1.6	1.6	1.6	1.6
FAN RPM	950	950	950	950
BACK DRAFT DAMPER	PROVIDE	PROVIDE	PROVIDE	PROVIDE
ACCESSORIES	HOODED WALL CAP	HOODED WALL CAP	HOODED WALL CAP	HOODED WALL CAP
LOCAL ELECTRICAL DISCONNECT	PROVIDE	PROVIDE	PROVIDE	PROVIDE
ELECTRICAL (V/PH/Hz)	120/1/60	120/1/60	120/1/60	120/1/60
WEIGHT (LBS)	17	17	17	17
MODEL	SP-A110	SP-A110	SP-A110	SP-A110
MANUFACTURER	GREENHECK OR EQUAL	GREENHECK OR EQUAL	GREENHECK OR EQUAL	GREENHECK OR EQUAL

REGISTER, GRILLE, AND DIFFUSER SCHEDULE										
DESIGNATION	DESCRIPTION	LOCATION	FRAME STYLE	NECK SIZE (IN), NOTE 1	FACE SIZE (IN)	MAXIMUM AIR FLOW (CFM)	MAX. NC	STATIC PRESS. DROP (WG)	COLOR	MODEL, NOTE 2
SUPPLY										
SLF4P-6X6	STEEL 4-WAY LOUVERED FACE DIRECTION DIFFUSER	CEILING	LAY-IN TEE BAR PANEL	6 x 6	12X12	110	<15	0.066	WHITE	SMD
SLF4P-9X9	STEEL 4-WAY LOUVERED FACE DIRECTION DIFFUSER	CEILING	LAY-IN TEE BAR PANEL	9 x 9	15X15	310	24	0.105	WHITE	SMD
SLF4P-12X12	STEEL 4-WAY LOUVERED FACE DIRECTION DIFFUSER	CEILING	LAY-IN TEE BAR PANEL	12 x 12	18X18	500	24	0.086	WHITE	SMD
SW-10x8	ALUMINUM ROUND DUCT GRILLES W/2" DEFLECTION	DUCT	SURFACE MOUNT	10x8	10x8	276	<15	0.022	WHITE	SDG
RETURN										
RPF24T-6	STEEL PERFORATED FACE	CEILING	LAY-IN TEE BAR	6	24 x 24	110	<15	-0.053	WHITE	PDDR
RPF24T-8	STEEL PERFORATED FACE	CEILING	LAY-IN TEE BAR	8	24 x 24	230	<15	-0.073	WHITE	PDDR
RPF24T-10	STEEL PERFORATED FACE	CEILING	LAY-IN TEE BAR	10	24 x 24	400	<15	-0.091	WHITE	PDDR
RPF24T-12	STEEL PERFORATED FACE	CEILING	LAY-IN TEE BAR	12	24 x 24	650	<15	-0.116	WHITE	PDDR
RPF24T-14	STEEL PERFORATED FACE	CEILING	LAY-IN TEE BAR	14	24 x 24	1000	19	-0.148	WHITE	PDDR
RPF24T-24x14	ALUMINUM LOUVER FACE W/0" DEFLECTION	WALL	SURFACE MOUNT	N/A	24x14	1040	21	0.05	WHITE	610Z
RPF24T-30x22	ALUMINUM LOUVER FACE W/0" DEFLECTION	WALL	SURFACE MOUNT	N/A	30x22	2145	24	0.035	WHITE	610Z

- NOTES:
- SINGLE NUMBER INDICATES ROUND CONNECTION.
 - OR EQUAL MODELS AND MANUFACTURERS ARE ACCEPTABLE.

MECHANICAL PIPING MATERIAL SCHEDULE					
PIPING SYSTEM	ABBREVIATION	OPERATING TEMPERATURE (°F) OR PRESSURE (PSI)	SERVICE PRESSURE (PSI)	PIPE DIAMETER, NPS (INCH)	PIPE MATERIAL \ SCHEDULE OR TYPE \ SPECIFICATION
COOLING COIL CONDENSATE	C	55°F	N/A	0.5 - 4.0	PVC140 \ ASTM D 2665
REFRIGERANT	LL & VL	45°F - 150°F	150	0.5 - 2.0	CPR-ACR1 \ ASTM B280

- NOTES:
- VALVE JOINT TYPE INCLUDES OTHER VALVES AND ITEMS NOT SHOWN IN SCHEDULE (I.E. STRAINERS, BALANCING VALVES).
 - DRAWINGS MAY INDICATE DIFFERENT VALVE TYPE. VALVE TYPE SHALL BE AS SHOWN ON DRAWINGS UNLESS OTHERWISE INDICATED.

PIPE MATERIAL SCHEDULE	
CPR-ACR	COPPER AIR-CONDITIONING REFRIGERATION
PVC	POLYVINYLCHLORIDE

JOINT MATERIAL SCHEDULE	
PVC	POLYVINYLCHLORIDE
WC	WROUGHT COPPER

MECHANICAL PIPING & EQUIPMENT INSULATION SCHEDULE										
PIPING SYSTEM, NOTE 1	LOCATION	TEMP. (°F)	PIPING \ RUNOUTS <2	INSULATION THICKNESS BASED ON PIPE DIAMETER (IN), NOTE 2	INSULATION MATERIAL, NOTE 3	K-FACTOR AT A 75°F MEAN TEMP.	JACKET TYPE, NOTE 3	FITTING COVER TYPE	PRODUCT, NOTE 4	MANUFACTURER, NOTE 4
REFRIGERANT VAPOR	INTERIOR	45	0.5	0.5 1.0 1.0 1.0 1.0 1.0	CLOSED CELL ELASTOMERIC FOAM	0.25	N/A	N/A	AP ARMAFLEX	ARMACELL
REFRIGERANT VAPOR	EXTERIOR	45	1.0	1.0 1.5 1.5 1.5 1.5 1.5	CLOSED CELL ELASTOMERIC FOAM	0.25	N/A	N/A	AP ARMAFLEX	ARMACELL

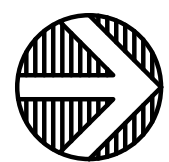
- NOTES:
- SEE PIPING SCHEDULE FOR PIPING TYPES.
 - RUNOUTS ARE AREAS WHERE PIPING IS RUN IN PARTITIONS WITHIN CONDITIONED SPACES.
 - INSULATION AND JACKET SHALL HAVE A MAXIMUM FLAME SPREAD OF 25 & SMOKE DEVELOPMENT OF 50 PER ASTM E 84.
 - OR EQUAL MANUFACTURERS ARE ACCEPTABLE.

DUCTLESS SPLIT SYSTEM SCHEDULE	
DESIGNATION	FC-1
LOCATION	IT ROOM
SERVICE	IT ROOM
DESCRIPTION	CEILING CASSETT
SUPPLY AIR FLOW (CFM)	800
TOTAL COOLING (BTU/HR)	24,000
LIQUID LINE SIZE (IN)	3/8
VAPOR LINE SIZE	5/8
CONDENSATE SIZE (IN)	1-1/4
THERMOSTAT	PROVIDE WIRED WALL TYPE
ACCESSORIES	BLUE DIAMOND (ADVANCED) CONDENSATE PUMP & SENSOR
ELECTRICAL CONNECTION TYPE	INDOOR UNIT IS POWERED BY OUTDOOR UNIT, NOTE 2
ELECTRICAL DISCONNECT TYPE, NOTE 1	LOOSE EXTERNAL
ELECTRICAL (V/PH/Hz)	208/1/60
ELECTRICAL MCA (AMPS)	15
WEIGHT (LBS)	56
MODEL	PLA-A28NHA7
OUTDOOR UNIT	
DESIGNATION	ACC-1
LOCATION	ROOF
SERVICE	FC-1
DESCRIPTION	COOLING ONLY AIR COOLED CONDENSING UNIT
TOTAL COOLING (BTU/HR)	24,000
ACCESSORIES	STAND, SIDE ADVANCED WING BAFFLE (NOTE 3)
ELECTRICAL CONNECTION TYPE	HARD WIRED FLEXIBLE
ELECTRICAL DISCONNECT TYPE, NOTE 1	LOOSE EXTERNAL
ELECTRICAL (V/PH/Hz)	208/1/60
ELECTRICAL MCA (AMPS)	19
ELECTRICAL MOCP (AMPS)	25
WEIGHT (LBS)	151
MODEL	PUY-A24NHA7
MANUFACTURER	DAIKIN

- NOTES:
- FOR EXTERNAL DISCONNECT, PROVIDE SEPARATE WITH UNIT. DISCONNECT TYPE SHALL BE HEAVY DUTY AND RATED FOR THE MOTOR HORSE POWER OF THE UNIT AND ELECTRIC CIRCUIT AS INDICATED ON ELECTRICAL DRAWINGS.
 - COORDINATE WITH ELECTRICIAN TO PROVIDE WIRING BETWEEN FAN COIL AND ACC UNIT.
 - REQUIRED FOR LOW AMBIENT COOLING.

1 PARTIAL FLOOR PLAN BEHAVIORAL HEALTH

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



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REVISIONS			
NO.	BY	DATE	DESCRIPTION

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:
SOUTHWEST COMMUNITY HEALTH CENTER
46 ALBION STREET

SHEET TITLE

MECHANICAL PARTIAL FLOOR PLAN

DESIGNED BY:	KWK	SCALE:	AS NOTED
DRAWN BY:	GJG	DATE:	06-26-2024
CHECKED BY:	KWK	PROJECT NUMBER:	C26-06
CAD FILE:	BH-M100.dwg		

SEAL
PROGRESS SET
NOT FOR CONSTRUCTION

SHEET NUMBER
M100

GENERAL

THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS OF HIS OWN OR OTHERS AT THE SITE, AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME AS RELATED TO HIS WORK.

THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL COORDINATION OF ANY ITEMS REGARDING UTILITY COMPANIES. ALL COSTS ASSOCIATED WITH UTILITY COMPANIES SHALL BE INCLUDED IN CONTRACTOR'S BASE BID AND SHALL BE CONSIDERED A PART OF THIS PROJECT.

GENERAL CONSTRUCTION NOTES









1. THIS IS AN EXISTING BUILDING. ALL WORK MUST BE COORDINATED WITH THE G.C. AND THE BUILDING OWNER. SCHEDULING AND CONTAINMENT OF WORK AREAS SHALL BE DONE IN CONJUNCTION WITH THE OWNER'S MAINTENANCE STAFF.
2. PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITIONS SHALL BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP SHALL BE DONE ON A DAILY BASIS.
3. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTION AND OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
4. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
5. ALL THE WIRE SIZES ARE BASED ON COPPER THHN 75°C, ALUMINUM SHALL NOT BE USED.
6. AT NO TIME SHALL THIS BUILDING BE WITHOUT POWER, FIRE ALARM, LIFE SAFETY SYSTEMS, ETC. WHEN IT IS NECESSARY TO DISCONNECT ANY EXISTING ITEM BEFORE THE NEW DEVICE OR SYSTEM IS ACTIVE, THEN THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE REQUIRED SAFETY AND WRITTEN NOTICE 48 HOURS IN ADVANCE TO THE ARCHITECT/ENGINEER/OWNER.
7. THIS JOB IS COMPOSED OF RENOVATIONS TO AN EXISTING BUILDING. BEFORE SUBMITTING THE BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS UNDER WHICH THE WORK AND WORK OF OTHER TRADES WILL BE INSTALLED. THIS CONTRACT INCLUDES ALL NECESSARY OFFSETS, TRANSITIONS, MODIFICATIONS AND RELOC EQUIPMENT FOR INSTALLATION OF NEW ELECTRICAL EQUIPMENT AND NEW EQUIPMENT OF OTHER TRADES. POWER DEVICES, CONDUIT, WIRING, ETC.). ALL NEW AND EXISTING EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL UNDER THIS CONTRACT BEFORE THE JOB IS COMPLETE. THE ELECTRICAL SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS MADE, ANY OMISSIONS OR ERRORS MADE AS A RESULT OF THE ELECTRICAL CONTRACTOR'S FAILURE WITH HIS INSPECTION OF EXISTING CONDITIONS AND REVIEW OF ALL OTHER TRADE DOCUMENTS.
8. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT AND WIRING METHODS HAVE BEEN TAKEN FROM ON SITE SURVEYS. DUE TO OBSTRUCTIONS ALONG WALLS NOT EVERY DEVICE LOCATION MAY HAVE BEEN ACCURATELY DETERMINED. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF ALL EXISTING ELECTRICAL EQUIPMENT THAT WILL REQUIRE MODIFICATION DUE TO THE RENOVATION WORK PRIOR TO PRICING AND COMMENCEMENT OF WORK.
9. ALL LIGHTING CIRCUITS SHALL BE TERMINATED IN THE CEILING IN JUNCTION BOXES OR PULLED BACK TO THE PANEL WHERE THE CIRCUIT ORIGINATES. ALL OTHER AREAS TO REMAIN "AS IS" AND ALL ELECTRICAL APPURTENANCES, DEVICES AND ACCESSORIES SHALL REMAIN OPERATIONAL.
10. THE CONTRACTOR SHALL VERIFY THAT ANY EXISTING CIRCUIT WIRING TO BE REMOVED DOES NOT DISRUPT SERVICE TO EXISTING ELECTRICAL APPURTENANCES AND DEVICES TO REMAIN. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY DEVICES, EQUIPMENT AND ACCESSORIES REQUIRED TO MAINTAIN SERVICE TO ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT.
11. THE CONTRACTOR SHALL REMOVE ALL CONDUIT AND WIRING ASSOCIATED WITH DEVICES AND EQUIPMENT TO BE REMOVED BACK TO THE SOURCE OF POWER, UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW TYPED PANELBOARD SCHEDULES DEPICTING REMOVAL AND/OR ADDED CIRCUITS FOR ALL RENOVATION WORK IN PANELBOARDS IN THE SCOPE OF WORK AREAS.
13. ALL EMPLY CONDUIT SYSTEMS PROVIDED SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.
14. ALL DEMOLITION ACTIVITIES MUST BE COORDINATED WITH THE OWNER AND THE GENERAL CONTRACTOR TO MINIMIZE INTERRUPTION OF REQUIRED SERVICES OR TO ALLOW FOR COMPENSATORY MEASURES TO BE TAKEN.
15. ALL EXISTING WIRING IN THE CEILING NOT BEING REUSED SHALL BE REMOVED.
16. NO WIRING SHALL BE REUSED WITHOUT ENGINEERS APPROVAL.
17. ANY AND ALL ELECTRICAL CONDUIT STUB-UPS SHALL BE CUT TO FLOOR LEVEL.
18. WHERE WIRES ARE BEING REMOVED FROM A CONDUIT, CONTRACTOR SHALL PROVIDE AND INSTALL A DRAG LINE IN THE CONDUIT. TAG.
19. ALL EXISTING CONDUITS TO REMAIN SHALL BE TAGGED WITH SEATON TAGS OR EQUAL AS NECESSARY.
20. CONTRACTOR SHALL INSTALL TEMPORARY LIGHTING IN SCOPE AREAS AS NECESSARY.
21. DEMOLITION AND REMOVALS ARE A PART OF THE SCOPE OF WORK. ALL UNUSED ELECTRICAL ITEMS SHALL BE REMOVED AS MUCH AS POSSIBLE. THE ELECTRICAL PLANS DO NOT SHOW ALL OF THE ELECTRICAL REMOVAL WORK. CONTRACTOR SHALL REVIEW ALL TRADE DRAWINGS ARCHITECTURAL, PLUMBING, AND MECHANICAL FOR ANY ADDITIONAL ELECTRICAL ITEMS TO BE REMOVED.
22. ASBESTOS OR UNKNOWN MATERIAL ENCOUNTERED DURING THE CONSTRUCTION SUSPECTED TO BE ASBESTOS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION. STOP ALL WORK IN VICINITY OF SUSPECTED MATERIALS IMMEDIATELY IN THIS EVENT.
23. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS WITHIN THE DEMOLITION WORK DEPICTED ON THE DRAWING AND SHALL ASCERTAIN THE EXTENT OF WORK REQUIRED WITHIN THE DEMOLITION AREA PRIOR TO PRICING AND COMMENCEMENT OF WORK.
24. THE CONTRACTOR SHALL ENSURE THAT ALL CIRCUITS REQUIRED TO BE REMOVED OR RELOCATED, ARE DE-ENERGIZED AND REMAIN DE-ENERGIZED FOR THE DURATION OF THE DEMOLITION ACTIVITY. THE CONTRACTOR SHALL FIELD VERIFY THE CIRCUITS AND IDENTIFY ANY ADDITIONAL CIRCUITS THAT MAY INTERFERE WITH DEMOLITION BOUNDARY, SUCH THAT PERSONNEL SAFETY IS EQUAL TO THAT OF EQUIPMENT REQUIRED TO REMAIN OPERABLE IS MAINTAINED.

GENERAL NOTES








NOTE: CONTRACTOR SHALL MEAN ELECTRICAL CONTRACTOR

1. ALL DIMENSIONS AND EXACT EQUIPMENT LOCATIONS ARE TO BE VERIFIED WITH MECHANICAL AND ARCHITECTURAL DRAWINGS AND CONDITIONS IN THE FIELD.
2. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND CONSULT WITH MECHANICAL DRAWINGS FOR POWER REQUIREMENTS OF THOSE TRADES. ALL EXISTING PANELBOARDS SHALL BE PROVIDED WITH A TYPED SCHEDULE.
3. A COPY OF ALL SCHEDULES SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER.
4. THE WORK SHALL BE COORDINATED WITH ALL OTHER TRADES AND PROVIDE OTHERS WITH NECESSARY INFORMATION TO COMPLETE THIS INSTALLATION. DRAWINGS ARE TO BE USED IN CONJUNCTION WITH SPECIFICATIONS ISSUED FOR THIS INSTALLATION.
5. ANY WORK INSTALLED CONTRARY TO, OR WITHOUT APPROVAL BY THE ENGINEER SHALL BE SUBJECT TO CHANGE AS DIRECTED BY THE ENGINEER AND NO EXTRA COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR MAKING THESE CHANGES.
6. CONDUIT & CABLE RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS.
7. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENTS A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS APPROVED BY THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE DRAWINGS.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. LABEL ALL CONCEALED JUNCTION BOXES.
9. THE CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH SMOKE & FIRE RATED PARTITIONS AND SLABS WITH A UL LISTED SMOKE AND/OR FIRE STOP TO MAINTAIN THE INTEGRITY OF THE FIRE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS. PROVIDE SHOP DRAWINGS FOR ALL PENETRATIONS. REFER TO DIVISION 7 FOR ADDITIONAL REQUIREMENTS.
10. VERIFY CEILING FINISH CONSTRUCTION WITH FINAL ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES AND ARRANGEMENTS TO BE COMPATIBLE WITH TYPE OF CEILING WHICH FIXTURE IS TO BE MOUNTED.
11. ALL EXISTING WIRING THAT IS NOT IN USE SHALL BE REMOVED. SURFACE MOUNTED PANEL BOARD AND OTHER SUCH EQUIPMENT SHALL BE MOUNTED WITH A 1/4" AIR SPACE BETWEEN THE ENCLOSURE AND WALL. THE DISTANCE FROM TOP CIRCUIT BREAKER HANDLE TO FLOOR SHALL NOT EXCEED 6'-6" AFF. UNLESS NOTED OTHERWISE. A 1/2" UNISTRUT MAY BE USED.
12. CONTROL STATIONS SHALL HAVE PLASTIC ENGRAVED NAMEPLATES DENOTING EQUIPMENT CONTROLLED. (USE WHITE LETTERS ON BLACK BACKGROUND)
13. ALL PULLBOXES, JUNCTION BOXES, AND SWITCH BOXES INSIDE AREA SHALL BE NEMA 1.
14. ALL JUNCTION BOXES INDICATED AND/OR REQUIRED SHALL BE SIZED TO ACCOMMODATE INCOMING AND OUTGOING FEEDERS.
15. MC CABLE SHALL BE USED IN FURRED OUT WALLS AND HUNG CEILING AREA'S FOR LIGHTING AND GENERAL RECEPTACLES.
16. SWITCHES SHALL BE MOUNTED 4'-0" AND RECEPTACLES 1'-6" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
17. ALL BRANCH CIRCUIT WIRES & ALL FEEDERS SHALL BE PERMANENTLY TAGGED AT THE PANEL CONNECTIONS WITH "BRADY" MARKERS.
18. ELECTRICAL CONTRACTOR SHALL REVISE ALL EXISTING CIRCUITING & CONDUIT AS NOTED. CONTRACTOR SHALL VERIFY CONDITION OF EXISTING WIRING TO BE REUSED & REPLACE AS REQUIRED.
19. PROVIDE JUNCTION BOX AND RUN 1" CONDUIT TO ABOVE CEILING FOR EACH TIME CLOCK AND THERMOSTAT LOCATIONS AS SHOWN ON MECHANICAL PLANS.
20. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS EXACT LOCATION OF ALL OUTLETS & SWITCHES.
21. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND FEEDERS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
22. PARTIAL BRANCH CIRCUIT WIRING DENOTING EXISTING CONTROL OR SWITCHING ON THE DRAWINGS IS SHOWN FOR REFERENCE/CLARIFICATION ONLY, AND IS NOT TO BE CONSTRUED TO IMPLY COMPLETE CIRCUIT WIRING. THE LOCATION OF THE INTERCONNECTION OF CONTROL DEVICE, AND EQUIPMENT CONTROLLED IS DIAGRAMMATIC ONLY.
23. THE ELECTRICAL CONTRACTOR SHALL SEISMICALLY BRACE ALL ELECTRICAL ITEMS AS REQUIRED BY STATE OF CT. BUILDING CODE. PROVIDE ALL SEISMIC ANCHORS AND SUPPORTS. PROVIDE DETAILS ACCEPTABLE TO REVIEW AGENCIES FOR SUPPORTS AND ANCHORS OF ACTUAL EQUIPMENT SUPPLIED. REFER TO "GUIDELINES AND DETAILS FOR SEISMIC RESTRAINTS".
24. EACH CIRCUIT SHALL HAVE ITS OWN NEUTRAL. NEUTRALS ARE NOT ALLOWED TO BE SHARED, ESPECIALLY ON LIGHTING CIRCUITS.
25. ALL EMERGENCY LIGHTS SHALL OPERATE FOR A MINIMUM OF 90 MINUTES AND SHALL BE TESTED AS PER NFPA 72 STANDARDS.
26. ALL RECEPTACLES LOCATED WITHIN SIX FEET OF ANY SINK, TOILET OR ANY WATER SOURCE, INCLUDING EXTERIOR RECEPTACLES SHALL BE G.F.C.I., WEATHER-RESISTANT TYPE. ALL EXTERIOR RECEPTACLES SHALL BE PROVIDED WITH WEATHER-PROOF, EXTRA-DUTY, LOCKABLE, IN-USE COVERS.











LIGHTING AND SWITCHES

SYMBOL	DESCRIPTION
	2' X 2' LED TROFFER LUMINAIRE - RECESSED MTD.
	2' X 2' LED TROFFER LUMINAIRE - REC. MTD. W/ EM.
	EXIT SIGN - CEILING MTD, SHADED AREA INDICATES FACE, CHEVRON SHOWS DIRECTION SELF-CONTAINED BATTERY AND CHARGER
	S SINGLE POLE TOGGLE SWITCH
	S ₃ THREE POLE TOGGLE SWITCH
	S _P SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT
	OS CEILING MOUNTED OCCUPANCY SENSOR
	VS CEILING MOUNTED VACANCY SENSOR






FIRE ALARM DEVICES

SYMBOL	DESCRIPTION
	HORN/SSTROBE UNIT
	MANUAL PULL STATION
	HORN/SSTROBE UNIT – EXTERIOR WEATHERPROOF
	SSTROBE ONLY UNIT
	SSTROBE DETECTOR
	FIRE ALARM CONTROL PANEL
	DUCT SSTROBE DETECTOR





POWER & BRANCH CIRCUITING

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE
	QUADRUPLUX RECEPTACLE
	G.F.C.I. DUPLEX RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE WITH USB PORTS
	DISCONNECT SWITCH
	HOME RUN
	JUNCTION BOX
	SINGLE GANG BACKBOX & COVERPLATE
	FLOOR POKE-THRU BOX WITH RECEPT. & DATA

COMMUNICATION DEVICES

SYMBOL	DESCRIPTION
	DATA/TELEPHONE PORT
 2	DATA PORT—NUMBER DENOTES QTY.
	CEILING MOUNTED DATA PORT
	WIRELESS ACCESS POINT (WAP)
	AUDIO/VISUAL PORT

DEVICE MOUNTING HEIGHTS

SYMBOL	DESCRIPTION
	DUPLEX OR QUAD RECEPTACLE AT 18" A.F.F. UNLESS OTHERWISE NOTED ON PLANS
	TOGGLE SWITCHES AT 48" TO TOP OF PLATE A.F.F.
	DATA/TELEPHONE PORT AT 18" TO CENTER A.F.F.
	DATA PORT AT 18" TO CENTER A.F.F. U.N.O.

SYMBOLS SHOWN ARE FOR REFERENCE ONLY AND
DO NOT CONSTITUTE A CHECK LIST OF DEVICES
REQUIRED BY THE CONTRACTOR

NOTES:

1. FOR COMPLETE DESCRIPTION OF LUMINAIRES
SEE LUMINAIRE SCHEDULE ON DRAWING E-1.

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	AMPS	JB	JUNCTION BOX
AC	ABOVE COUNTER	KCMIL	THOUSAND CIRCULAR MILLS
AFCI	ARC FAULT CIRCUIT INTERRUPTING	KVA	KILOVOLT-AMPERE
AFF	ABOVE FINISHED FLOOR	KW	KILOWATT
AFG	ABOVE FINISHED GRADE	LP	LIGHTING PANEL
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
AM	AMMETER	MCC	MOTOR CONTROL CENTER
ATC	AUTOMATIC TEMPERATURE CONTROL	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	NIC	NOT IN CONTRACT
C	CONDUIT	NTS	NOT TO SCALE
CAT.	CATALOG	NC	NORMALLY CLOSED
CB	CIRCUIT BREAKER	NL	NEW LOCATION OF EXISTING
CATV	CABLE TELEVISION	NO	NORMALLY OPEN
CCTV	CLOSED CIRCUIT TELEVISION	NR	NEW TO REPLACE EXISTING
CKT	CIRCUIT	P	POLE
CLG	CEILING	PNL	PANEL
CU	COPPER	PH, Ø	PHASE
DP	DISTRIBUTION PANEL	PP	POWER PANEL
DISC. SW.	DISCONNECT SWITCH	RE	REMOVE EXISTING
EF	EXHAUST FAN	RL	RELOCATE EXISTING
EM	EMERGENCY	RR	REMOVE AND REPLACE
EWC	ELECTRIC WATER COOLER	RGS	RIGID GALVANIZED STEEL
EX	EXISTING	TEL	TELEPHONE
GFCI	GROUND FAULT CIRCUIT INTERRUPT.	TYP	TYPICAL
GND	GROUND	U.G.	UNDER GROUND
HOA	HAND-OFF-AUTOMATIC	V	VOLTS
HP	HORSE POWER	W	WATTS
HZ	HERTZ	WP	WEATHER PROOF
IG	ISOLATED GROUND	XFMR	TRANSFORMER

ELECTRICAL DRAWING LIST

DWG. NO.	REV.	DRAWING TITLE
EG-1	1	GENERAL NOTES, SYMBOL LEGENDS, ELECTRICAL ABBREVIATIONS & DWG. LIST
ES-1	1	ELECTRICAL SPECIFICATIONS
ES-2	1	ELECTRICAL SPECIFICATIONS
E-1	1	LIGHTING SCHEDULE, DETAILS AND COMCHECK REPORT
E-2	1	FIRE ALARM RISER DIAGRAM, DETAILS & NOTES
E-3	1	ELECTRICAL RISER DIAGRAM, SCHEDULES AND NOTES
EL-1	1	LIGHTING REFLECTED CEILING PLAN
EL-2	1	LIGHTING PHOTOMETRIC FLOOR PLAN
EL-3	1	LIGHTING CONTROLS FLOOR PLAN
EP-1	1	POWER & FIRE ALARM FLOOR PLAN & NOTES

MECHANICAL DRAWING LIST

DWG. NO.	REV.	DRAWING TITLE
FP001	1	FIRE PROTECTION NOTES AND SYMBOLS
FP100	1	FIRE PROTECTION PARTIAL FLOOR PLAN
P001	1	PLUMBING NOTES & SYMBOLS
P100	1	PLUMBING PARTIAL FLOOR PLAN
P101	1	PLUMBING PARTIAL FLOOR PLAN
M001	1	MECHANICAL NOTES & SYMBOLS
M100	1	MECHANICAL PARTIAL FLOOR PLAN

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PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

**1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605**

Prepared For:

**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**

SHEET TITLE

GENERAL NOTES, SYMBOL LEGENDS, ABBREV. & DRAWING LISTS

DESIGNED BY:	SCALE: AS NOTED
DRAWN BY: SK/EJ	DATE: 11-23-20
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CAD FILE: EG1.dwg	

SEAL

100% For Review
07/03/2024

SHEET NUMBER

EG-1

GENERAL PROVISIONS FOR ELECTRICAL WORK

REFERENCES

THIS SECTION COVERS THE GENERAL REQUIREMENTS FOR ELECTRICAL WORK; EXAMINE ALL CONTRACT DRAWINGS AND ALL OTHER SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL WORK RELATED TO THE WORK OF THIS DIVISION.

DEFINITIONS

‘PROVIDE’ TO FURNISH, INSTALL, AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION OF PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
‘INSTALL’ TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES. ‘FURNISH’ TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
‘WORK’ LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES, AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
‘WIRING’ RACEWAY, FITTINGS, WIRE, BOXES AND RELATED ITEMS.
‘CONCEALED’ EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS.
‘SIMILAR’ OR ‘EQUAL’ - EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.
‘CONTRACTOR’ - THE ELECTRICAL CONTRACTOR.
‘NOTED’ - AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.

SCOPE

THIS WORK SHALL CONSIST OF THE FURNISHING OF ALL LABOR, MATERIALS AND SERVICES REQUIRED COMPLETE, READY FOR CORRECT OPERATION, ALL ELECTRICAL WORK CALLED FOR BY THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, THE DATA INDICATED IN THESE SPECIFICATIONS AND DRAWINGS ARE AS EXACT AS COULD BE SECURED, BUT THEIR ABSOLUTE ACCURACY IS NOT GUARANTEED. DO NOT SCALE DRAWINGS. EXACT LOCATIONS, DISTANCES, LEVELS AND OTHER CONDITIONS WILL BE GOVERNED BY THE BUILDING. USE THE DRAWINGS AND SPECIFICATIONS FOR GUIDANCE AND SECURE THE ENGINEER'S APPROVAL OF CHANGES IN LOCATION, CIRCUITS, WHERE SHOWN ON AN ELECTRICAL DRAWING, ARE SO INDICATED PRIMARILY FOR THE PURPOSE OF INDICATING THE GENERAL CIRCUIT PLAN AND DO NOT NECESSARILY INDICATE THE EXACT LOCATION OF ROUTING OF RACEWAYS UNLESS SPECIFICALLY SO INDICATED. CIRCUITS SHALL BE RUN TO SUIT CONDITIONS CONSIDERING STRUCTURAL FEATURES, CONSTRUCTION METHODS AND GOOD PRACTICE. ALL EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL UNDER THIS CONTRACT BEFORE THE JOB IS CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS HE MAKES, ANY OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE WITH THE EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS OF ALL TRADES.

CODES, REGULATIONS AND STANDARDS

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING APPROVED CODES:
CSBC - STATE BUILDING CODE 2022
CSFSC - STATE FIRE CODE 2022
CFPC - STATE FIRE PROTECTION CODE 2022
IPC - INTERNATIONAL PLUMBING CODE 2021
IMC - INTERNATIONAL MECHANICAL CODE 2021
IBC - INTERNATIONAL BUILDING CODE 2021
IECC - INTERNATIONAL ENERGY CONSERVATION CODE 2021
IEBC - EXISTING BUILDING CODE 2021
A117.1 - ACCESSABLE AND USEABLE BUILDINGS AND FACILITIES 2017
NFPA - NATIONAL FIRE PROTECTION CODE (WHERE REFERENCED)
OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
NFPA 101 - LIFE SAFETY CODE 2017 (FOR EXISTING BUILDINGS)
NFPA 99 - HEALTH FACILITIES CODE
NFPA 72 - NATIONAL FIRE ALARM CODE 2017
NFPA 70 - NATIONAL ELECTRIC CODE 2020
NFPA 13 - STANDARDS FOR INSTALLATION OF A SPRINKLER SYSTEM 2013
EPA - ENVIRONMENTAL PROTECTION ASSOCIATION
NFMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
ASTI 318 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE 2014

PERMITS, FEES AND INSPECTIONS

THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, PAY ALL GOVERNMENT AND STATE SALES TAXES AND FEES APPLICABLE. THE CONTRACTOR SHALL FILE ALL DRAWINGS, COMPLETE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS FROM THE PROPER AUTHORITY OR AGENCY HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION COVERING HIS WORK. THE CONTRACTOR SHALL SEE THAT ALL REQUIRED INSPECTIONS AND TESTS ARE MADE AND SHALL COOPERATE TO MAKE THESE TESTS AS THOROUGH AND AS READILY MADE AS POSSIBLE.

MATERIALS AND WORKMANSHIP

ALL MATERIALS AND APPARATUS REQUIRED FOR THE WORK, EXCEPT AS OTHERWISE SPECIFIED, SHALL BE NEW AND OF FIRST-CLASS QUALITY AND SHALL BE FURNISHED, DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL AND SO SELECTED AND ARRANGED AS TO FIT PROPERLY INTO THE BUILDING SPACES. WHERE NO SPECIFIC KIND OR QUALITY OF MATERIAL IS GIVEN, A FIRST-CLASS STANDARD ARTICLE AS ACCEPTED BY THE ENGINEER SHALL BE FURNISHED. ALL EQUIPMENT AND MATERIALS SHALL BE SPECIFICATION GRADE AND BEAR THE UNDERWRITER'S LABEL. NO SUBSTITUTE OR ALTERNATE EQUIPMENT, MATERIALS, ETC., WILL BE CONSIDERED FOR THIS PROJECT.
ALL WORK SHALL BE OF A QUALITY CONSISTENT WITH GOOD TRADE PRACTICE AND SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. THE ENGINEER/OWNER RESERVES THE RIGHT TO REJECT ANY WORK WHICH, IN HIS OPINION, HAS BEEN INSTALLED IN A SUB-STANDARD, DANGEROUS OR UNSATISFACTORY MANNER. THE CONTRACTOR SHALL REPLACE SAID WORK IN A SATISFACTORY MANNER AT NO EXTRA CHARGE TO THE OWNER.

GUARANTEES

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

RECORD DRAWINGS

MAINTAIN, AT THE JOB SITE, A SET OF ELECTRICAL DRAWINGS INDICATING ALL CHANGES IN LOCATION OF EQUIPMENT, PANELS, DEVICES, FROM THE ORIGINAL LAYOUT. PLAINLY MARK IN RED, ALL CHANGES ON THE DRAWINGS. CONTRACTOR SHALL SUPPLY TWO COMPLETE SETS OF AS-BUILT AND DIGITALLY CLOSE OUT MANUALS TO THE ENGINEER / OWNER.

COORDINATION

ALL WORK SHALL BE CARRIED OUT IN CONJUNCTION WITH OTHER TRADES AND FULL COOPERATION SHALL BE GIVEN IN ORDER THAT ALL WORK MAY PROCEED WITH A MINIMUM OF DELAY AND INTERFERENCE.

SHOP DRAWINGS

SUBMIT ONE (1) DIGITAL COPY FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS SPECIFIED. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMISSION TO THE ENGINEER FOR REVIEW. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL THE CONTRACTOR HAS IN HIS POSSESSION, REVIEWED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT. SHOP DRAWINGS SHALL BE SPECIFIC WITH ITEMS SUBMITTED FOR APPROVAL CLEARLY IDENTIFIED. SHOP DRAWINGS MAY BE SUBMITTED ELECTRONICALLY (PDF FORMAT) WITH ITEMS SUBMITTED CLEARLY IDENTIFIED. THE FOLLOWING IS A LIST OF ELECTRICAL ITEMS THAT MUST BE SUBMITTED FOR REVIEW:
- PANELBOARDS
- SAFETY / DISCONNECT SWITCHES
- CIRCUIT BREAKERS
- LIGHTING
- FUSES
- CONDUIT, WIRE & CABLE
- FIRE ALARM EQUIPMENT, CUT SHEETS, RISER DIAGRAMS WITH PROGRAMMABLE ADDRESSES AND DETAILED CONNECTION DIAGRAMS
- FIRE ALARM FLOOR PLANS WITH DEVICE WIRING CIRCUITS
- DEVICES (RECEPTACLES, TOGGLE SWITCHES ETC.)
- AUTOMATIC LIGHTING CONTROLS
- LIGHTING
- RECEPTACLE AND LIGHTING DEVICES
- REFER TO DRAWINGS FOR ADDITIONAL REQUIREMENTS
- VOLTAGE DROP CALCULATIONS

OPERATING INSTRUCTIONS/MANUALS

THE CONTRACTOR SHALL FURNISH FOR DELIVERY TO THE ENGINEER, FOUR (4) COMPLETE BOUND SETS OF TYPEWRITTEN OR BLUEPRINTED INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT INCLUDED IN THIS DIVISION. MANUFACTURERS' ADVERTISING LITERATURE OR CATALOGS WILL NOT BE ACCEPTABLE FOR OPERATING AND MAINTENANCE INSTRUCTIONS. INCLUDE ALL APPROVED SHOP DRAWINGS IN MANUALS. THE CONTRACTOR, IN THE ABOVE-MENTIONED INSTRUCTIONS, SHALL INCLUDE THE MAINTENANCE SCHEDULE FOR THE PRINCIPAL ITEMS OF EQUIPMENT FURNISHED UNDER THIS DIVISION. AN AUTHORIZED MANUFACTURER'S REPRESENTATIVE SHALL ATTEST IN WRITING THAT HIS EQUIPMENT HAS BEEN PROPERLY INSTALLED PRIOR TO STARTUP. THESE LETTERS WILL BE BOUND INTO THE OPERATING AND MAINTENANCE BOOKS.

EQUIPMENT PROTECTION

PROPERLY AND COMPLETELY PROTECT AGAINST ALL DAMAGE, ALL APPARATUS, EQUIPMENT, ETC., INCLUDED IN THIS CONTRACT, AS THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO SAME FURNISHED BY HIM UNTIL FINAL ACCEPTANCE.

PROPERTY PROTECTION

THE CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY AND/OR REQUIRED TO PROTECT OWNER'S PROPERTY WITHIN THE WORKING AREAS FROM DUST, DEBRIS AND OTHER MATTER.

MANUFACTURER'S INSTRUCTIONS

INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.

EQUIPMENT PAINTING AND CLEANING

THOROUGHLY CLEAN ALL ELECTRICAL EQUIPMENT DEVICES AND ENCLOSURES UPON COMPLETION OF ALL WORK. REPAINT ANY EQUIPMENT WHOSE FINISH IS DAMAGED OR RUSTED. MATCH MANUFACTURER'S ORIGINAL FINISH.

PENETRATION SEALANT

ALL PENETRATIONS SHALL BE SEALED WITH 3M CP25WB+ INTUMESCENT FIRE BARRIER. PENETRATION SEALANT OR APPROVED EQUIVALENT, APPLIED PER MANUFACTURER'S AND U.L. GUIDELINES.

CUTTING, PATCHING, REPAIRING AND PAINTING

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

FIRE STOPS AND SEALS

PENETRATIONS THROUGH FIRE-RATED WALLS, CEILINGS OR FLOORS IN WHICH CABLES OR CONDUITS PASS SHALL BE FILLED SOLIDLY BY U.L. APPROVED FIRE-STOP MATERIALS CLASSIFIED FOR AN HOURS RATING EQUAL TO THE FIRE RATING OF THE WALL, CEILING OR FLOOR. PROVIDE 3M BRAND FIRE BARRIER CP25WB+ SEALANT OR APPROVED EQUAL. SEALING BUSHINGS SHALL BE USED ON CONDUIT AND CABLE ENDS TO EFFECTIVELY PREVENT THE INTRUSION OF WATER, A DAMP OR CORROSIVE ATMOSPHERE, DRAFT OR DUST.

ACCESS PANELS

THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AND DOORS AS REQUIRED FOR ACCESS TO INACCESSIBLE PULLBOXES, JUNCTION BOXES AND OTHER SPECIALTIES. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ACCESS PANELS AND DOORS WITH THE GENERAL CONTRACTOR AND OTHER TRADES. FINAL LOCATIONS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER. ALL ACCESS PANELS SHALL BE PAINTED PER ARCHITECTS' ALL ACCESS PANELS SHALL BE PAINTED PER ARCHITECTS' APPROVAL.

INTERRUPTION OF EXISTING SERVICES

PRIOR TO PERFORMING WORK REQUIRING INTERRUPTION OF EXISTING SERVICES, THE CONTRACTOR SHALL SECURE FROM THE OWNER APPROVAL OF THE PROPOSED OPERATION. (48 HOURS IN ADVANCE) WORK SHALL BE ARRANGED FOR CONTINUOUS PERFORMANCE. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, INCLUDING OVERTIME TO ASSURE THAT THE EXISTING OPERATING SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE NECESSARY CONNECTIONS.

TEMPORARY LIGHT AND POWER

THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY ELECTRICAL SERVICE OF SUFFICIENT SIZE FOR POWER AND LIGHTING USE BY ALL TRADE CONTRACTORS DURING THE COURSE OF CONSTRUCTION. ALL TEMPORARY WORK SHALL BE DONE IN COMPLIANCE WITH ALL APPLICABLE ARTICLES IN THE NATIONAL ELECTRIC CODE, O.S.H.A. AND ALL THE REQUIREMENTS OF ANY AUTHORITY OF JURISDICTION OVER THE WORK. PROVIDE A TEMPORARY POWER CONNECTION TO THE TRAILER(S) AS REQUIRED. THE LOCATION OF THE TRAILER IS TO BE DETERMINED ON SITE. PROVIDE FEEDER TO THE TRAILER(S) OF SUFFICIENT SIZE TO POWER HEATING, AIR CONDITIONING AND GENERAL POWER AND LIGHTING.

PRODUCTS

DESCRIPTION

ALL MATERIALS AND EQUIPMENT PROVIDED UNDER THIS SECTION SHALL BE NEW, FIRST GRADE, BEST OF THEIR RESPECTIVE KINDS AND IN NO WAY SHALL THEY BE LESS THAN THE QUALITY AND INTENT SET FORTH UNDER THIS SECTION, AND SHALL MEET THE REQUIREMENTS OF ALL WITH ALL APPLICABLE CODES AND STANDARDS.

WIRE

CONDUCTORS SHALL BE U.L. LISTED, 600 VOLTS, 90 DEG. C. SINGLE CONDUIT TYPE THWN / THHN / XHHW, 98% CONDUCTIVITY ANNEALED UNCOATED COPPER WITH PVC INSULATION COVERED WITH NYLON SHEATH JACKET. TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF UNDERWRITERS LABORATORIES STANDARD 83. WIRE SHALL BE IDENTIFIED BY SURFACE MARKING INDICATING MANUFACTURER'S IDENTIFICATION, CONDUCTOR SIZE AND METAL. VOLTAGE RATING, U.L. SYMBOL AND TYPE DESIGNATION. CONDUCTORS SHALL BE STRANDED. MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE INDICATED. MANUFACTURED BY ROME CABLE, TRIANGLE WIRE & CABLE, GENERAL CABLE OR ESSEX WIRE & CABLE. NOTE, ALL WIRING SHALL MEET THE REQUIREMENTS OF THE INSTALLATION.

ARMORED CABLE (AC)

ARMORED CABLE SHALL BE OF INTERLOCKING GALVANIZED STEEL ARMOR CONSTRUCTION. COLOR CODED THERMOPLASTIC NYLON INSULATION THIN, 90 DEGREE C. 600 VOLTS, COPPER CONDUCTORS. MINIMUM SIZE SHALL BE EQUIPMENT COPPER GROUND CONDUCTOR. MARKER TAPE AND CABLE TAPE OVER #12 AWG UNLESS OTHERWISE INDICATED. MANUFACTURED BY AMERICAN FLEXIBLE CONDUIT, TRIANGLE WIRE AND CABLE, GENERAL CABLE, STANDARD CABLE.

ELECTRICAL METALLIC TUBING (EMT)

ELECTRICAL METALLIC TUBING SHALL BE GALVANIZED THIN WALL STEEL CONDUIT. MANUFACTURED BY TRIANGLE WIRE AND CABLE, ALLIED TUBE AND CONDUIT, REPUBLIC OR STEELDUCT. THE CONNECTORS AND COUPLINGS SHALL BE HEAVY DUTY, STEEL-ZINC PLATED, SET SCREW TYPE. THIS IS NOT ACCEPTABLE WHEN CONCEALED IN CONCRETE.

FLEXIBLE METALLIC CONDUIT (FMC)

FLEXIBLE METALLIC CONDUIT SHALL BE OF HEAVY GALVANIZED SHEET METAL STRIP IN INTERLOCKED CONSTRUCTION. MANUFACTURED BY TRIANGLE WIRE AND CABLE, AMERICAN FLEXIBLE CONDUIT OR ELECTRI-FLEX. THE CONNECTORS SHALL BE SQUEEZE TYPE MALLEABLE IRON, CADMIUM PLATED.

RIGID GALVANIZED STEEL CONDUIT (RGS)

RIGID STEEL CONDUIT SHALL BE FULL WEIGHT, HEAVY WALL STEEL PIPE WITH GALVANIZED PROTECTIVE COATING. MANUFACTURED BY TRIANGLE WIRE AND CABLE, ALLIED TUBE AND CONDUIT, REPUBLIC OR STEELDUCT. CONDUIT FITTINGS SHALL BE MALLEABLE IRON, CADMIUM PLATED WITH FULL THREADED HUBS.

RIGID POLYVINYL CHLORIDE CONDUIT (PVC)

RIGID POLYVINYL CHLORIDE CONDUIT SHALL BE SCHEDULE 40, 90 DEGREES C. U.L. RATED, ALL PVC CONDUIT AND FITTINGS SHALL BE SOLVENT WELDED. MANUFACTURED BY CARLON, ELECTRI-FLEX OR PLASTILINE. SCHEDULE 80 IS ACCEPTABLE UNDER DRIVEWAYS & PARKING LOTS.

LIQUID-TIGHT FLEXIBLE CONDUIT

CONDUIT SHALL BE CONSTRUCTED OF HEAVY GALVANIZED SHEET METAL STRIP, SPIRALLY-WOUND INTERLOCKED CONSTRUCTION WITH AN EXTRUDED POLYVINYL GRAY JACKET. CONDUIT SHALL BE

UL LABELED AND CONFORM TO THE APPLICATION AND ENVIRONMENT IN WHICH IT WILL BE USED. ALL CONNECTIONS, COUPLINGS AND FITTINGS SHALL BE OF HIGH QUALITY TYPE SPECIFICALLY DESIGNED FOR THIS PURPOSE. MANUFACTURED BY O-Z GEDNEY OR ELECTRI-FLEX.

METAL CLAD CABLE (MC)

METAL CLAD CABLE SHALL BE OF INTERLOCKING ALUMINUM ARMOR CONSTRUCTION. COLOR CODED THERMOPLASTIC NYLON INSULATION THIN, 90 DEGREE C. 600 VOLTS, COPPER CONDUCTORS AND INTERNAL INSULATED EQUIPMENT COPPER GROUND CONDUCTOR. MARKER TAPE AND CABLE TAPE OVER CONDUCTORS. MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE INDICATED. MANUFACTURED BY AMERICAN FLEXIBLE CONDUIT, TRIANGLE WIRE AND CABLE, GENERAL CABLE OR STANDARD CABLE.

NON-METALLIC SHEATHED CABLE TYPE NM

NMC CABLE SHALL BE COLOR CODED PVC JACKET WITH COLOR CODED THERMOPLASTIC NYLON INSULATION THIN, 90 DEGREE C. 600 VOLTS, COPPER CONDUCTORS AND INTERNAL INSULATED COPPER GROUND CONDUCTOR. WIRE SHALL BE U.L. LISTED. MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE INDICATED. MANUFACTURED BY TRIANGLE WIRE, GENERAL CABLE OR EQUAL. NOTE THAT WIRE AMPACITY IS LIMITED TO 60 DEGREE CELSIUS CONDUCTORS PER NEC.

FITTINGS

JUNCTION AND DEVICE BOXES SHALL BE NON-METALLIC AND BOXES IN RATED WALLS, NON -METALLIC OUTLET BOX (QBWY) MOLDED PLASTIC RATED FOR 1 HR. CONDUIT BODIES FOR RIGID GALVANIZED STEEL CONDUIT (RGS) SHALL BE MALLEABLE IRON-ZINC PLATED WITH TAPPED HUBS AND GASKETED ALUMINUM COVER. CONDUIT BODIES FOR ELECTRICAL METALLIC TUBING (EMT) SHALL BE CAST ALUMINUM-ALUMINUM ENAMEL FINISH WITH SET SCREW HUBS AND ALUMINUM COVER. INSULATION BUSHINGS SHALL BE HIGH IMPACT THERMOSETTING PHENOLIC WITH A 150 DEG. C. UL TEMPERATURE RATING. INSULATED GROUNDING BUSHINGS SHALL BE MALLEABLE IRON-ZINC PLATED WITH MOLDED ON PHENOLIC INSULATION AND LAY-IN GROUNDING LUG. CONDUIT LOCKNUTS SHALL BE HEAVY NUT STOCK STEEL-ZINC PLATED. OFFSET NIPPLES SHALL BE MALLEABLE IRON ZINC PLATED WITH RIGID CONDUIT THREADING AND 3/4" OFFSET. CONNECTORS AND COUPLINGS FOR ELECTRICAL METALLIC TUBING (EMT) SHALL BE HEAVY STEEL-ZINC PLATED WITH PRE-SET/PRE-SHAKED SET SCREWS. CONDUIT STRAPS SHALL BE SNAP-TYPE, DOUBLE RIBBED STEEL. METAL CLAD CABLE AND FLEXIBLE METALLIC CONDUIT CONNECTORS SHALL BE MALLEABLE IRON-ZINC PLATED, MALE HUB THREADS WITH LOCKNUT. CONDUIT FITTINGS SHALL BE AS MANUFACTURED BY O-Z GEDNEY, CROUSE-HINDS OR APPLETON OR APPROVED EQUAL BY ENGINEER.

SUPPORT SYSTEMS

SUPPORT CHANNEL SHALL BE ROLL-FORMED 12 OR 14 GAUGE STEEL, SOLID BASE OR BOLT HOLE BASE - HOT DIP GALVANIZED FINISH. COMPLETE WITH ANGLE FITTINGS, SPRING NUTS, CONDUIT SUPPORTS, 3/8" THREADED RODS, ETC., MANUFACTURED BY UNISTRUT, KINDORF OR B-LINE SYSTEMS.

CABLE TIES

CABLE TIES SHALL BE FABRICATED OF ONE-PIECE HALAR WITH NO METAL PARTS, EQUAL TO BURNDY, T&B, PANDUIT, BLACKBURN OR APPROVED EQUAL BY ENGINEER. (BLACK EXTERIOR CABLE TIES WILL BE USED INDOORS & OUTDOORS).

FUSES

FUSES SHALL NOT BE INSTALLED UNTIL THE EQUIPMENT IS READY TO BE ENERGIZED. THIS MEASURE PREVENTS FUSE DAMAGE DURING SHIPMENT OF THE EQUIPMENT FROM THE MANUFACTURER TO THE JOB SITE.
ALL FUSES SHALL BE INSTALLED BY THE CONTRACTOR. FUSES SHALL BE OF THE SAME MANUFACTURE, CAPACITY, BUSSONAL OR APPROVED EQUAL BY THE ENGINEER. TYPE DESCRIBED BELOW SHALL BE U.L. LISTED DUAL ELEMENT TIME DELAY TYPE.
CIRCUIT 0 TO 600 AMPERE SHALL BE PROTECTED BY DUAL ELEMENT, TIME DELAY, CURRENT LIMITING FUSES WITH AN INTERRUPTING RATING OF 200,000 A.I.C., U.L. LISTED CLASS 'RK1'. CIRCUIT 601 TO 3000 AMPERE SHALL BE PROTECTED BY DUAL ELEMENT, TIME DELAY, CURRENT LIMITING FUSES WITH AN INTERRUPTING RATING OF 200,000 A.I.C., U.L. LISTED CLASS 'L' KPL-C. MOTOR CIRCUITS SHALL BE PROTECTED BY DUAL ELEMENT, TIME DELAY, CURRENT LIMITING FUSES WITH AN INTERRUPTING RATING OF 200,000 A.I.C., U.L. LISTED CLASS 'RK1'. LARGE MOTORS SHALL BE PROTECTED BY DUAL ELEMENT, TIME DELAY, CURRENT LIMITING FUSES WITH AN INTERRUPTING RATING OF 200,000 A.I.C., U.L. LISTED CLASS 'L' KPL-C. CIRCUIT BREAKER PANELBOARDS SHALL BE PROTECTED BY DUAL ELEMENT, TIME DELAY, CURRENT FUSES WITH AN INTERRUPTING RATING OF 200,000 A.I.C., U.L. LISTED CLASS 'RK1'. FUSES SHALL HAVE A VOLTAGE RATING BASED ON DISTRIBUTION REQUIREMENTS SYSTEM. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH THE SPARE FUSES LISTED BELOW.
10% (MINIMUM OF THREE) OF EACH TYPE AND RATING INSTALLED, 0 TO 600 AMPERES.
THREE FUSES OF EACH RATING INSTALLED OF 601 AMPERE OR LARGER. SPARE FUSE CABINET CATALOGUE # (LITTLE FUSE LISC OR APPROVED EQUAL BY ENGINEER) SHALL PROVIDED TO STORE THE ABOVE SPARE FUSES (SIZE 30" X 14" W x 12" D).

OUTLET BOXES

OUTLET BOXES SHALL BE GALVANIZED STEEL, FLUSH OR SURFACE MOUNTED AND OF PROPER TYPE AND SIZE AS REQUIRED FOR THE PARTICULAR APPLICATION, SIZE AND TYPE DICTATED BY THE NUMBER OF DEVICES, NUMBER OF CONDUITS AND WIRING METHOD UTILIZED. BOXES SHALL BE ADEQUATE SIZE FOR THE INSTALLATION OF CONDUCTORS WITHOUT EXCESSIVE BENDING OR CRIMPING OF THE CONDUCTORS AND DAMAGING OF CONDUCTOR INSULATION. MANUFACTURED BY STEEL CITY, OR RACO.

OUTLET BOXES SHALL BE SECURED FIRMLY IN PLACE TO THE BUILDING STRUCTURE AND SET TRUE AND SQUARE. PROVIDE SUITABLE MEANS TO SUPPORT OUTLET BOX TO TAKE THE WEIGHT OF THE LIGHTING FIXTURE OR DEVICE. OUTLET BOXES OR BOX EXTENSION RINGS SHALL BE SET FLUSH TO THE FINISHED WALL OR CEILING. BOXES MUST BE SO ATTACHED THAT THEY WILL NOT 'ROCK', SHIFT OR MOVE IN AND OUT WHEN DEVICES ARE USED. IN NO CASE SHALL BOXES BE INSTALLED BACK-TO-BACK IN A COMMON WALL DIVIDING TWO SPACES.
WHERE MORE THAN ONE OUTLET IS SHOWN OR SPECIFIED TO BE THE SAME ELEVATION OR ONE ABOVE THE OTHER, ALIGN THEM EXACTLY ON CENTER LINES HORIZONTALLY OR VERTICALLY. MULTIPLE SWITCHES SHOWN AT ONE LOCATION SHALL BE INSTALLED GROUPED TOGETHER UNDER ONE WALL PLATE. SWITCHES SHALL BE ARRANGED IN AN ORDER APPROPRIATE TO THE LOCATIONS OF LIGHTING FIXTURE BEING CONTROLLED. BOXES MUST BE ATTACHED SO THAT THEY SET FLUSH TO THE FINISHED WALL OR CEILING.

SAFETY/DISCONNECT SWITCHES

DISCONNECT/SAFETY SWITCHES SHALL BE MOTOR RATED, METAL ENCLOSED, INTERLOCKING, CARTRIDGE FUSED, HEAVY DUTY TYPE, WITH APPROPRIATE VOLTAGE RATINGS. QUICK-MAKE, QUICK-BREAK MECHANISMS. SOLID NEUTRAL, U.L. LISTED. SWITCHES SHALL HAVE PROPER TYPE METAL ENCLOSURES; STANDARD, WEATHERPROOF, DUSTPROOF, ETC., TO SUIT THEIR SPECIFIC LOCATIONS. MANUFACTURED BY SIEMENS, GENERAL ELECTRIC, SQUARE 'D', OR EATON.

JUNCTION BOXES, PULLBOXES AND WIREWAYS

JUNCTION BOXES, PULLBOXES AND WIREWAYS SHALL BE OF PROPER TYPE AND SIZES AS REQUIRED. CODE GAUGE, GALVANIZED STEEL WITH KNOCKOUTS AND FLANGES TO RECEIVE THE COVERS. COVERS SHALL BE FLAT, OF THE SAME MATERIAL AS THE BOX AND FASTENED TO THE BOX WITH MACHINE SCREWS. MANUFACTURED BY HOFFMAN, SQUARE 'D' OR LEE PRODUCTS.

WIRING DEVICES

ALL DEVICES SHOULD BE SPECIFICATION GRADE, U.L. LISTED, SELF-GROUNDING WITH GROUND LUG SIDE AND BACK WIRED, COLOR BY ARCHITECT. MANUFACTURED BY HUBBELL, LEVITON, EATON, LEGRAND.
SINGLE POLE SWITCHES: 20A @ 120/277V
BASIS OF DESIGN:
SINGLE POLE SWITCHES: CS120x
THREE-WAY SWITCHES: CS320x
FOUR-WAY SWITCHES: CS420x
SINGLE POLE SWITCHES & PILOT: HB1221P
RECEPTACLES: 20A @ 120/277V (TAMPER RESISTANT)
BASIS OF DESIGN:
DUPLEX RECEPTACLE: 5662-56G
DUPLEX RECEPTACLE - GFCI: GFTXRST20WU
DUPLEX RECEPTACLE - AFCI: AFTR2-x-20
DUPLEX RECEPTACLE - AFCI / GFCI: AGTR2-x-20
FOUR-WAY SWITCHES: CS420x
WALL PLATES FOR SWITCHES AND RECEPTACLES SHALL BE ALUMINUM. CONFIRM WITH OWNER.

LUMINAIRES

FURNISH AND INSTALL ALL LUMINAIRES AS SPECIFIED ON THE DRAWINGS, COMPLETE WITH ALL ACCESSORIES, LOUVERS, LAMP/LEDS AND MOUNTING HARDWARE. THE LUMINAIRES SHOWN ARE MARKED AS TYPES A, B, C, ETC. PROVIDE LAMPS FOR ALL LUMINAIRES OF WATTAGES AND TYPES

INDICATED.
LED DRIVERS SHALL BE THERMALLY REGULATED WITH OVERLOAD AND SHORT CIRCUIT PROTECTION AND RATED LIFTTIME OF 50,000 HOURS AS MANUFACTURED BY ADVANCE, GENERAL ELECTRIC OR OSRAM/SYLVANIA.
LED LAMPS SHALL BE MANUFACTURED WITH TIGHT BINNING TO MAINTAIN KELVIN TEMPERATURE BETWEEN +/- 100K. INDOOR LIGHTING TO BE 3000 K, UNLESS NOTED OTHERWISE, MIN. CRTI OF 80. MIN. LIFTTIME OF 50,000 HOURS AT 70% LUMEN MAINTENANCE AS MANUFACTURED BY CREE, NICHIA, LUMILEDS, PHILIPS OR OSRAM/SYLVANIA.
LED LUMINAIRES - PROVIDE WITH CONTROL-TYPE COMPATIBLE DRIVERS, PROVIDE LM 79 & LM 80 REPORTS WITH LUMINAIRE SUBMITTAL. MANUFACTURER AS INDICATED ON LUMINAIRE SCHEDULE ON THE ELECTRICAL DRAWING. ALL LED LUMINAIRES SHALL BE ELIGIBLE FOR REBATES FROM THE UNITED ILLUMINATING CO GUIDELINES RECESSED TROFFER LUMINAIRES SHALL BE LISTED WITH DESIGN LIGHTS CONSORTIUM (DLC).
FURNISH AND INSTALL NEW LED'S/DRIVERS DURING THE COURSE OF CONSTRUCTION UP TO AND INCLUDING THE DATE OF FINAL COMPLETION OF THE PROJECT.
CLEAN AND REMOVE ALL PAINT, STICKERS, DIRT, SMUDGES AND FINGERPRINTS FROM LUMINAIRES AFTER FINAL BUILDING CLEAN-UP.
ALL LUMINAIRES SHALL HAVE SAFETY #12 JACK CHAINS FASTENED FROM BUILDING STRUCTURE ABOVE TO LUMINAIRES PER MANUFACTURER'S INSTRUCTIONS. SEE DETAIL ON DRAWING E100.

FIRE ALARM SYSTEM

FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, LABOR AND SERVICE REQUIRED TO PROVIDE A COMPLETE FIRE ALARM SYSTEM AS INDICATED ON DRAWINGS. ALL NEW EQUIPMENT SHALL MATCH THE EXISTING SYSTEM MANUFACTURER.
THE EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.E.C. IN COMPLIANCE WITH N.F.P.A. 72 PROVIDE ALL NECESSARY WIRING FOR PROPER WORKING ORDER. ALL WIRING SHALL BE U.L. APPROVED FOR APPLICATION AND MEET ALL NATIONAL, STATE, AND LOCAL ELECTRICAL CODES, N.F.P.A. 72.
JUNCTION BOXES SHALL BE RED AND LABELED FIRE ALARM. WIRING COLOR CODE SHALL BE MAINTAINED THROUGHOUT THE INSTALLATION. THE AUTHORIZED REPRESENTATIVE SHALL PROVIDE ON-SITE SUPERVISION OF INSTALLATION. FINAL CONNECTION BETWEEN EQUIPMENT AND THE WIRING SYSTEMS SHALL BE MADE UNDER DIRECT SUPERVISION OF THE MANUFACTURER'S REPRESENTATIVE FOR FINAL SIGN-OFF ON NFPA 72 FORM.
ALL FIRE ALARM CONDUIT EXPOSED SHALL BE RED.

PANELBOARDS

PANELBOARDS SHALL BE THE COMBINATION THERMAL-MAGNETIC CIRCUIT BREAKER TYPE, WITH THE NUMBER OF BRANCH CIRCUITS AS INDICATED ON THE DRAWINGS. GROUND BUS AND LUGS. PANELS SHALL BE U.L. LISTED, DOOR-IN-DOOR-OUT. BOXES SHALL BE CORROSION RESISTANT, ZINC FINISH GALVANIZED. FRONTS SHALL BE REINFORCED STEEL. POWDER FINISH PAINTED LIGHT GRAY (ANSI-61) AND SHALL BE EQUIPPED WITH CONCEALED HINGES AND CONCEALED TRIM ADJUSTING SCREWS. DIRECTORY CARD HOLDERS SHALL BE CLEAR LEXAN PERMANENTLY MOUNTED TO THE FRONT DOOR AND ALL DOOR LOCKS SHALL BE CORROSION-PROOF VALOX WITH RETRACTABLE LATCH, KEYS ALIKE. BUS BARS SHALL BE SEQUENCED PHASE FULLY INSULATED COPPER, 22,000 RMS, SYMMETRICAL. PANELBOARD RATINGS SHALL BE DISPLAYED ON THE DEAD FRONT SHIELD AND TOTALLY VISIBLE WITH THE DOOR OPEN. BRANCH CIRCUIT BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK, THERMAL-MAGNETIC TYPE WITH VISIBLE TRIP POSITION. MANUFACTURED BY EATON, SIEMENS OR SQUARE 'D' OR AN APPROVED EQUAL BY THE ENGINEER.

CIRCUIT BREAKERS

COPPER, 10,000 RMS SYMMETRICAL. CIRCUIT BREAKERS SHALL BE PUSH-IN TYPE. PANELBOARD RATINGS SHALL BE DISPLAYED ON THE DEAD FRONT SHIELD AND TOTALLY VISIBLE WITH THE DOOR OPEN. MANUFACTURED BY EATON, SIEMENS, OR SQUARE 'D'.
ALL MULTIPOLAR BREAKERS SHALL BE EQUIPPED WITH HANDLE TIES FOR MULTIPOLAR USE. SEE PANEL SCHEDULE FOR CIRCUIT BREAKER SIZES, TYPES AND SHORT CIRCUIT INTERRUPTING, (AIC) RATINGS. MINIMUM AIC RATING SHALL BE INDICATED ON THE SCHEDULES. MANUFACTURED BY EATON, SIEMENS, SQUARE 'D' OR CUTLER HAMMER.

PHASE SEQUENCE AND BALANCING

MAINTAIN CORRECT PHASE SEQUENCING OF ALL FEEDERS AND CIRCUITS WITH PHASE IDENTIFICATION AND MAINTAINING CORRECT RELATIONSHIP THROUGHOUT THE ENTIRE SYSTEM. BALANCE ALL FEEDERS AND CIRCUITS TO WITHIN 10 PERCENT.

POWER AND CONTROL WIRING

FURNISH AND INSTALL ALL POWER WIRING, CONTROL WIRING, CONDUIT AND FITTINGS FOR ALL PLUMBING, HEATING AND VENTILATING AND AIR CONDITIONING EQUIPMENT AND FINAL CONNECTIONS. MANUAL MOTOR STARTERS SHALL BE FURNISHED, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR. EVERY MOTOR SHALL BE PROVIDED WITH RUNING CURRENT NOTED PROTECTION. UPON COMPLETION OF THE WORK, CHECK OUT EACH PIECE OF THE ELECTRICALLY OPERATED EQUIPMENT FOR PROPER OPERATION OF EACH ITEM. ITEMS TO BE CHECKED ARE VOLTAGE, ROTATION AND OVERLOAD PROTECTION.

EXECUTION

INSTALLATION

ALL WORK, MATERIALS AND MANNER OF INSTALLING SAME SHALL BE IN STRICT ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. ALL CONDUIT AND WIRING SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE NOTED. WIRING IN UNFINISHED ROOMS SHALL BE INSTALLED EXPOSED USING WIRE MOLD OR EQUAL, AS APPROVED BY THE OWNER/ARCHITECT.

RACEWAYS

RACEWAYS, ENCLOSURES AND BOXES SHALL BE MECHANICALLY JOINED TO FORM A CONTINUOUS ELECTRICAL CONDUCTOR. THE CONTRACTOR SHALL PROVIDE AND ERECT APPROVED TYPE PULL BOXES AS REQUIRED. MINIMUM SIZE CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED. FURNISH LOCKNUTS AND BUSHINGS FOR ALL CONDUIT TERMINATIONS IN ALL OUTLET BOXES, PANELS, PULL BOXES, ETC.
RIGID GALVANIZED STEEL CONDUIT (RGS) SHALL BE USED FOR WIRING IN THE FOLLOWING LOCATIONS:

1. WITHIN CONCRETE SLABS - 3/4" MAXIMUM.
 2. EXPOSED TO MOISTURE AND MECHANICAL INJURY.
 3. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR CONCEALED AND EXPOSED WIRING
 4. LIGHTING, RECEPTACLE AND POWER BRANCH CIRCUIT WIRING.
- EXCEPTION: IN FINISHED SPACES, CONSULT ENGINEER
ALL CONDUITS SHALL BE INSTALLED IN PARALLEL AND PERPENDICULAR TO THE BUILDING. ALL CONDUIT SHALL BE SUPPORTED USING CADMIUM PLATED CONDUIT STRAPS AND HANGERS. SEPARATE CONDUIT SYSTEMS SHALL BE INSTALLED FOR NORMAL AND EMERGENCY POWER. PROVIDE WIRING TO ALL OUTLETS, EQUIPMENT APPARATUS AND OTHER SPECIALTIES UNDER THIS DIVISION THAT WHICH IS FURNISHED OR PROVIDED UNDER OTHER DIVISIONS OR BY THE OWNER. THE TERM 'WIRING' SHALL BE CONSIDERED TO BE COMPRISED OF THE CONDUIT, CONNECTIONS, ETC.

ALL WIRING ON DRAWINGS IS SIZED FOR TYPE THWN/THHN COPPER CONDUCTORS. MINIMUM SIZE WIRE SHALL BE #12 UNLESS OTHERWISE INDICATED. ALL WIRING SHALL BE COLOR CODED. CARE SHALL BE EXERCISED IN PULLING CONDUCTORS INTO RACEWAYS SO AS NOT TO INJURE THE INSULATION. CABLE PULLING LUBRICANT SHALL BE USED TO ASSIST IN PULLING CONDUCTOR WITHIN PANELBOARDS, JUNCTION BOXES, TROUGHS AND OTHER EQUIPMENT WHERE CONCENTRATIONS OF CONDUCTORS ARE ENCLOSED, SHALL BE NEATLY ARRANGED AND TIED WITH CABLE TIES.
CIRCUITS SHALL BE SO CONNECTED TO THE PANELBOARDS THAT THE TOTAL LOAD IS DISTRIBUTED AS NEARLY AS POSSIBLE, EQUALLY BETWEEN EACH LINE AND NEUTRAL. 10% WILL BE CONSIDERED A REASONABLE AND ALLOWABLE UNBALANCE. BRANCH CIRCUIT WIRING FOR SWITCHES, RECEPTACLES, DEVICES AND LIGHTING IN DRYWALL CONSTRUCTION AND ACCESSIBLE HUNG CEILING SPACE, SHALL BE INSTALLED IN METAL CLAD CABLE 'MC' CABLE SHALL BE SUPPORTED FROM STRUCTURE 4' O.C. WITH NYLON CABLE TIES. PROVIDE APPROPRIATE GROMMETS FOR HORIZONTAL RUNS IN METAL STUD PARTITIONS. CABLE SHALL NOT LAY ON CEILING STRUCTURE OR TILES. PROVIDE ANTI-SHORT BUSHINGS (RED HEAD) UNDER ARMOR JACKET AT TERMINATIONS. NEUTRALS ARE NOT TO BE COMBINED OR HAVE A COMMON NEUTRAL. WIRING IN OUTLET BOXES, JUNCTION BOXES, CABINETS, PANELBOARDS OR EQUIPMENT SHALL HAVE A MINIMUM OF EIGHT (8") INCHES LENGTH LEADS FOR CONNECTING WIRING DEVICES TO MAKE UP CIRCUIT SPLICES. INSTALL COPPER GREEN INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS & RACEWAYS. SPLICING SHALL BE DONE WITH INSULATED OR NON-INSULATED CONNECTORS OF APPROPRIATE TYPES AND CURRENT CARRYING CAPACITY. THE WIRING SHALL BE WRAPPED WITH INSULATING TAPE TO THE THICKNESS OF THE INSULATION OF THE CONDUCTORS BEING SPLICED. ELECTRICAL TAPE SHALL BE 3M OR SUPER 88 SCOTCH VINYL FLAME-RETARDANT, COLD AND WEATHER RESISTANT.

ALL SPACES FOR CONDUCTORS, SIZES #10 AWG OR SMALLER SHALL BE MADE WITH U.L. LISTED SPRING-TYPE CONNECTORS OR APPROPRIATE CURRENT CARRYING CAPACITY, EQUAL TO 3M SCOTCHLOK, BUCHANAN OR T&B. SPLICES FOR STRANDED CONDUCTORS, SIZES #10 AWG OR SMALLER SHALL BE MADE WITH UL LISTED CRIMP-TYPE, EQUAL TO 3M SCOTCHLOK, BUCHANAN

SPICES, TAPS AND TERMINALS FOR CONDUCTORS #6 AWG AND LARGER SHALL BE MADE WITH UL LISTED BOLTED PRESSURE CONNECTORS OF BRONZE OR COPPER CONSTRUCTION, OF APPROPRIATE CURRENT CARRYING CAPACITY. EQUAL TO O-Z GEDNEY, BURNDY OR BLACKBURN.

CONDUCTORS #6 AWG AND SMALLER SHALL HAVE COLOR-CODED INSULATION.
CONDUCTORS #4 AWG AND LARGER SHALL BE IDENTIFIED WITH TAPES APPLIED NEAR THE
ENDS OF THE CONDUCTORS.

208/120V/3PH	480/277V/3PH
PHASE A BLACK	YELLOW
PHASE B RED/BLACK WITH RED TAPE	BROWN
PHASE C RED/BLACK	ORANGE
NEUTRAL WHITE	WHITE
GROUND GREEN	GREEN

FURNISH AND INSTALL NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT, IDENTIFYING ITEMS BY NAME, FUNCTION AND/OR CONTROL.

ALL PANELS SHALL HAVE TYPEWRITTEN CIRCUIT DIRECTORIES IDENTIFYING ALL BRANCH CIRCUITS

WIRE MARKERS SHALL BE SECURELY ATTACHED AT BOTH ENDS, IDENTIFYING PANEL AND CIRCUIT BREAKER NUMBERS. CIRCUIT BREAKER NUMBERS

ALL ELECTRICAL WORK SHALL BE GROUNDED AND BONDED IN FULL CONFORMANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND LOCAL REQUIREMENTS

ALL ELECTRICAL EQUIPMENT, TRANSFORMERS, PANELBOARD ENCLOSURES, MOTOR FRAMES,

DEVICES WITHIN EACH CIRCUIT PROVIDE GROUNDING CONDUCTOR IN ALL CONDUITS.
GROUND CONNECTIONS WITH THE GROUNDING CONDUCTORS SHALL BE MADE AT EACH

RODS. OTHER GROUNDING ELECTRODE CONDUCTORS SHALL BE MADE WITH CADWELD TYPE

BONDING SHALL BE PROVIDED TO ASSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO SAFELY CONDUCT ANY FAULT CURRENT LIKELY TO BE IMPOSED.

ALL DEVICES (SWITCHES, RECEPTACLES, ETC.,) SHALL BE GROUNDED TO CONDUIT SYSTEM

WITH SIX (6") INCH SOLID COPPER #12 AWG INSULATED WIRE (GREEN) CONNECTED TO GROUND SCREW ON DEVICE AND FASTENED TO BACKBOX WITH 10-32 x 3/8" SLOTTED

GROUND SCREW ON DEVICE AND FASTENED TO BACKBOX WITH 10-32 X 3/8" SLOTTED HEXAGON HEAD WASHER FACE GROUND SCREW WITH GREEN DYE FINISH.

ALL WORK RELATED TO THE CCTV SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF CUSTOMER'S I.T. CONSULTANT.

ALL WORK RELATED TO THE DATA INFRASTRUCTURE SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF COSTUMER'S I.T. CONSULTANT.

SEISMIC LATERAL RESTRAINTS DESIGNED AND CONSTRUCTED TO RESIST HORIZONTAL MOVEMENT IN ANY DIRECTION SHALL BE INSTALLED ON ALL SUSPENDED CONDUITS 2 1/2 INCHES IN DIAMETER OR GREATER. QUANTITY AND LOCATION OF THE LATERAL RESTRAINTS SHALL BE BASED ON THE CONDUIT SYSTEM LAYOUT AND IN GENERAL, SHALL BE INSTALLED AT CONDUIT BENDS, JUNCTION BOXES, AND APPROXIMATELY EVERY 20 FEET ALONG CONDUIT RUNS. SEISMIC LATERAL RESTRAINTS ARE NOT REQUIRED FOR ANY PIPING SUSPENDED BY INDIVIDUAL HANGERS 12 INCHES OR LESS IN LE IF PIPE TO THE BOTTOM OF THE SUPPORT FOR THE HANGER PIPE TO THE BOTTOM OF THE SUPPORT FOR THE HANGER.

ANY CONDUCTOR (ONE WAY) MEASURING IN EXCESS OF 125 FEET SHALL BE CALCULATED AS REQUIRED. CONTACT ENGINEER FOR ASSISTANCE IF REQUIRED. NOTE MAXIMUM VOLTAGE DROP IS 3%, PER 2017 N.E.C. SUBMIT TO ENGINEER FOR APPROVAL.

DRY TYPE TRANSFORMERS SHALL BE U.L. LISTED IN ACCORDANCE WITH ANSI #C89.2 AND NEMA ST-20 STANDARDS. TEMPERATURE RISE OF 150 DEGREES C. VENTILATED ENCLOSURE FOR INDOOR 200% RATED NEUTRAL BUS, SOUND RATING 42 TO 45 DECIBELS. MANUFACTURED BY EATON, ABB, SQUARE D AT CONDUIT BENDS, JUNCTION BOXES, AND APPROXIMATELY EVERY 20 FEET ALONG CONDUIT RUNS. SEISMIC LATERAL RESTRAINTS OR CUTLER HAMMER.

DRY TYPE TRANSFORMERS SHALL BE U.L. LISTED K 13 RATED, IN ACCORDANCE WITH ANSI C89.2 & NEMA ST-20 STANDARDS. TEMPERATURE RISE OF 150 DEGREES C. VENTILATED ENCLOSURE FOR INDOOR USE. PAINT COLOR ANSI #61 GRAY. 480 VOLT PRIMARY. SECONDARY 208Y/120 VOLTS, THREE-PHASE 60 HERTZ WITH 6.2.5% TAP (2 ABOVE/4 BELOW) COPPER WINDINGS, 200% RATED NEUTRAL BUS, SOUND RATING 42 TO 45 DECIBELS. MANUFACTURED BY EATON, ABB, SQUARE D.

JUNCTION BOXES, PULBOXES AND WIREWAYS SHALL BE OF PROPER TYPE AND SIZES AS REQUIRED. COUPE GAUGE GALVANIZED STEEL KNOCKOUTS AND FLANGES TO RECEIVE THE COVERS. COVERS SHALL BE FLAT, OF THE SAME MATERIAL AS THE BOX AND FASTENED TO THE BOX WITH MACHINE SCREWS, MANUFACTURED BY HOFFMAN, SQUARE D OR APPROVED EQUALS BY ENGINEER.

BACKBOARDS SHALL BE FIRE-RETARDANT, 3/4" TYPE PLYWOOD OF SUFFICIENT SIZE FOR MOUNTING EQUIPMENT. PAINT ALL SIDES WITH TWO (2) COATS OF FIRE-RETARDANT GRAY ENAMEL PAINT.

GROUND RODS SHALL BE HIGH STRENGTH STEEL CORE WITH WITH ELECTROLYTIC ALLY BONDED COPPER JACKET. GROUND RODS SHALL CONFORM TO REQUIREMENTS OF THE U.L. SPEC. NO. 467 (ANSI C-33.8-1972). MINIMUM SIZE SHALL BE 5/8 INCH DIAMETER BY EIGHT (8) FEET UNLESS OTHERWISE INDICATED. MANUFACTURED BY ERICO, BLACKBURN OR GALVIN.

REFER TO DLC (DESIGN LIGHT CONSORTIUM) NETWORK LIGHTING CONTROLS SYSTEM V2.0 SPECIFICATIONS AND IEC 60598-1 REQUIREMENTS. APPROVED MANUFACTURERS: ACUITY BRANDS, PHILLIPS, COOPER INDUSTRIES, HUBBEL, EATON, LEGRAND, GENERAL ELECTRIC, LUTRON, SCHNEIDER OR APPROVED EQUAL BY THE LIGHTING DESIGNER.

ALL UNDERGROUND WIRE SHALL BE RATED FOR UNDERGROUND AND HAVE TYPE XHHW INSULATION.

SEAL	SHEET NUMBER
100% For Review 07/03/2024	ES-2



H.C. ACCESSIBLE EXIT SIGN DETAIL
NOT TO SCALE

NOTES

1. ALL FIXTURES ON THE LIGHTING SCHEDULE SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.
2. CONTRACTOR SHALL VERIFY LOADS OF ALL FIXTURES SELECTED AND COORDINATE WITH CIRCUITING REQUIRED.

ELECTRICAL NOTES:

1. REFER TO DRAWING EG-1 FOR GENERAL NOTES, LEGENDS, ABBREVIATIONS AND DRAWING LISTS.
2. REFER TO DRAWING ES-1 FOR ELECTRICAL SPECIFICATIONS.
3. THE FINAL LOCATIONS OF ALL LIGHTING SWITCHES SHALL BE COORDINATED WITH THE OWNER AND THE ARCHITECT.
4. THE LIGHTING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 IECC & 2020 NEC.
5. INSTALL ALL LUMINAIRES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.

SEAL	SHEET NUMBER
100% For Review 07/03/2024	E-1



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PROJECT TITLE**Prepared For:**

SHEET TITLE

SHEET NUMBER

E-2



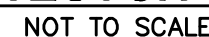
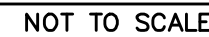
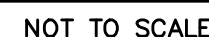
1. ALL FIRE ALARM PULL STATIONS SHALL BE INSTALLED AT 48" TO TOP OF DEVICE ABOVE FINISHED FLOOR.
2. A PERMANENT LABEL SHALL BE PLACED ON THE FIRE ALARM CONTROL PANEL STATING, "FIRE ALARM PANEL ONLY TO BE RESET BY FIRE DEPARTMENT". SUBMIT A COPY FOR REVIEW DURING THE SHOP DRAWING SUBMITTAL PROCESS FOR REVIEW BY THE ENGINEER & FIRE DEPARTMENT.
3. BREAKS IN THE FIRE ALARM RISER ARE INDICATED. ACTUAL WIRING OF SYSTEM TO BE DETERMINED IN THE FIELD
4. FIRE ALARM CONTROL PANEL SHALL BE MANUFACTURED BY FIRELITE OR SILENT KNIGHT.
5. MINIMUM SIZE SHALL BE AS INDICATED ON THE RISER DIAGRAM & IN THE FIRE ALARM SPECIFICATIONS. THE CONTRACTOR SHALL INCREASE THE WIRING SIZE TO AVOID IMPROPER VOLTAGE DROP(S).
6. THE SUPPLIER OF THE NEW FIRE ALARM SYSTEM WILL BE REQUIRED TO INTERFACE WITH BOTH THE NEW SYSTEM FOR THE BEHAVIORAL CARE FACILITY AND THE EXISTING BUILDING FIRE ALARM SYSTEM. EACH PANEL SHALL HAVE THE ABILITY TO TRIGGER AND RESET THE FIRE ALARM AS WELL AS ALERTING THE OTHER PANEL OF A TRIGGERED EVENT. FIRE ALARM RELAY SHALL BE PROVIDED AND APPROVED BY THE ENGINEER AND THE LOCAL FIRE MARSHAL AT THE TIME OF SHOP DRAWING SUBMITTAL BY THE CONTRACTOR.
7. LOCATIONS OF SPRINKLER FLOW CONTACT RELAY, RELAY TO TRIGGER FIRE ALARM, AND RELAY TO RESET EXISTING PANEL BY CONTRACTOR.

SCALE: NONE



1. RELAY DRY CONTACTS ARE RATED FOR 120V-5A MAX. CONTRACTOR SHALL BE RESPONSIBLE FOR INTERPOSING RELAY AS REQUIRED.
2. CONTRACTOR SHALL PROVIDE DUST SMOKE DETECTORS ON THE SUPPLY AIR SYSTEMS OF HVAC UNITS WITH A DESIGN CAPACITY 2,000 OR GREATER CFM IN THE SUPPLY AIR DUCT, FOR UNITS WITH A DESIGN CAPACITY 15,000 OR GREATER CFM, THE CONTRACTOR SHALL PROVIDE DUST SMOKE DETECTORS ON THE SUPPLY AND RETURN AIR SYSTEMS OF THE HVAC UNITS.
3. CONTRACTOR SHALL VERIFY WIRING SIZES WITH FIRE ALARM EQUIPMENT MANUFACTURER.
4. VERIFY TEST SWITCH LOCATION WITH ARCHITECT/OFFICE/ENGINEER.

NOT TO SCALE



FIRE ALARM RISER NOTES:

1. CONTACT VENDOR FOR FINAL CONDUIT SIZES AND JUNCTION BOX REQUIREMENTS.
2. SPRINKLER FLOW AND TAMPER SWITCHES SHALL BE FURNISHED AND INSTALLED BY DIVISION 15, AND WIRED BY DIVISION 16 INCLUDING INSTALLATION OF ADDRESSABLE MODULE ADJACENT TO EACH SWITCH.
3. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS OF SWITCHES.
4. DUCT MOUNTED SMOKE DETECTORS SHALL BE FURNISHED AND INSTALLED BY DIV. 16. PROVIDE DETECTORS IN THE SUPPLY DUCT OF AIR HANDLING UNITS, PRESSURIZATION FANS, AND ANY OTHER UNITS OVER 2000 CFM. CONNECT CONTROL CIRCUIT FOR THE UNIT (MAX 1A) TO THE PROGRAMMABLE RELAY CONTACTS IN THE ASSOCIATED DETECTOR. INSTALL REMOTE TEST AND INDICATOR STATION FOR EACH DETECTOR IN THE LOCATION DESIGNATED BY THE OWNER.
5. ALL WIRING SHALL COMPLY WITH APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE 2020.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE THE CONDUIT SYSTEM AS REQUIRED AND DETAILED IN THE SPECIFICATIONS FOR FIRE ALARM SYSTEM.
7. FAN SHUTDOWN, DAMPER CONTROL, AND SMOKE EVACUATION WILL BE PROVIDED THROUGH THE SOFTWARE CONNECTION. SUPPLIER SHALL INCLUDE THIS FUNCTIONALITY INSTEAD OF A RELAY TYPE INTERFACE.
8. REFER TO DWG. EG-1 FOR GEN. NOTES, LEGENDS, ABBREV. & DWG. LIST.
9. REFER TO DRAWING EP-1 FOR FIRE ALARM CONTROL PANEL AND FIRE ALARM DEVICE LOCATIONS AND COUNTS.
10. SYSTEM INITIATION:
 1. THE FOLLOWING DEVICES WILL CAUSE A GENERAL ALARM WHICH INCLUDES NOTIFICATION OF FIRE DEPARTMENT, ACTIVATION OF ALL NOTIFICATION DEVICES (HORN/STROBES) & EVACUATION OF BUILDING AS PER THE LOCAL FIRE MARSHAL.
 - A. DUCT SMOKE DETECTORS (IF REQUIRED)
 - B. FLOW SWITCHES (IF REQUIRED)
 - C. PULL STATIONS
 - D. SMOKE DETECTORS
 2. THE FOLLOWING DEVICES WILL SEND TROUBLE SIGNAL TO THE MAIN FIRE ALARM PANEL AND THE LOCAL FIRE DEPARTMENT.
THIS TROUBLE ALARM WILL NOT ACTIVATE THE HORNS OR STROBES AND WILL NOT CAUSE AN EVACUATION OF BUILDING.
 - A. TAMPER SWITCHES (IF REQUIRED)
 - B. PRESSURE SWITCHES (IF REQUIRED)
 - C. SUPERVISORY SWITCHES (IF REQUIRED)
11. INSTALLATIONS SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL BUILDING CODES.
12. WIRING REQUIREMENTS ARE AS FOLLOWS:
USE OF STRANDED CONDUCTORS WITH MAXIMUM 7 STRANDS FOR #16 AND MAX. 19 STRANDS FOR SIZES #14 OR LARGER IS PERMITTED.
USE ONLY APPROVED FIRE ALARM CABLES OR WIRES WITHIN METAL CONDUITS, TERMINATE ALL WIRING WITH U.L. LISTED DEVICES.
13. CONTRACTOR SHALL REFER TO MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EXACT COUNT OF FLOW, PRESSURE AND TAMPER SWITCHES, AND BE RESPONSIBLE FOR ALL REQUIRED UNITS AND CONNECTIONS.
14. NO SMOKE DETECTOR SHALL BE LOCATED WITHIN 3 FEET OF A SUPPLY AIR OUTLET, CONTRACTOR SHALL REFER TO NFPA 72 FOR ADDITIONAL GUIDELINES.
15. ALL INITIATION AND SIGNALING CIRCUITS SHALL BE CLASS B.
16. ALL LOW VOLTAGE WIRING MAY RUN IN A COMMON CONDUIT.
17. RUN AC POWER AND CONTROL WIRING (FAN SHUTDOWN ETC.) IN SEPARATE CONDUIT, DO NOT RUN WITHIN ANY OTHER CONDUIT CARRYING FIRE ALARM SYSTEM WIRING.
18. NO PARALLEL BRANCHING OR "T" SPLICES ARE PERMITTED ON SIGNALING CIRCUITS.
19. DETECTOR AND SIGNALING POLARITY SHALL BE OBSERVED.
20. ALL WIRING SHALL BE CHECKED FOR OPENS, SHORTS, AND GROUNDS.
21. ALL ENCLOSURES AND CONDUITS SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE.
22. ALL WIRING SHALL BE IN ELECTRICAL METAL CONDUIT UNLESS OTHERWISE INDICATED ON FLOOR PLANS OR SPECIFICATIONS. CONFIRM TYPE WITH ARCHITECT.
23. INTERLOCKS SHALL NOT EXCEED RATED CURRENT OF CONTACTS.
24. INSTALLATION SHALL BE COMPLETED IN A PROFESSIONAL, WORKMANLIKE MANNER.
25. DO NOT LOAD EACH CIRCUIT ZONE WITH MORE THAN 60% OF CAPACITY.

FIRE ALARM SYSTEM TESTING:

THE CONTRACTOR SHALL PROVIDE THE SERVICE OF A COMPETENT, FACTORY TRAINED ENGINEER OR TECHNICIAN BY THE FIRE ALARM EQUIPMENT MANUFACTURER TO TECHNICALLY SUPERVISE AND PARTICIPATE DURING ALL OF THE ADJUSTMENTS AND TESTS FOR THE NEW FIRE ALARM SYSTEM. THE NEW FIRE ALARM SYSTEM SHALL BE TESTED IN THREE PHASES AS FOLLOWS:

1. THE CONTRACTOR SHALL TEST EACH COMPONENT OF THE NEW SYSTEM TO ENSURE ITS PROPER FUNCTION. THE CONTRACTOR SHALL REPLACE ANY COMPONENTS THAT FAILED TO OPERATE CORRECTLY. THE FIRE MARSHAL SHALL TEST EACH COMPONENT SHALL THEN BE TESTED AND RETESTED UNTIL IT OPERATES AS REQUIRED.
2. ONCE THE FIRST PHASE IS COMPLETE THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR A WITNESS TEST. THE ENTIRE FIRE SYSTEM, THIS TEST WILL BE PERFORMED BY THE CONTRACTOR. EACH COMPONENT SHALL BE THOROUGHLY TESTED, ANY FAILED COMPONENTS SHALL BE REPLACED AND RETESTED UNTIL THE COMPONENT OPERATES AS INTENDED.
3. ONCE THE SECOND PHASE OF TESTING IS COMPLETED, THE CONTRACTOR SHALL CONTACT THE FIRE MARSHAL AND PERFORM A WITNESS TEST IN THE PRESENCE OF THE FIRE MARSHAL. THE CONTRACTOR SHALL TEST EACH COMPONENT OF THE SYSTEM AS DIRECTED BY THE FIRE MARSHAL. ANY FAILED COMPONENTS SHALL BE REPLACED AND RETESTED IN THE PRESENCE OF THE FIRE MARSHAL UNTIL THE SYSTEM OPERATES AS REQUIRED AND APPROVED BY THE FIRE MARSHAL.

THE CONTRACTOR SHALL FURNISH ALL REQUIRED EQUIPMENT TO ADEQUATELY PERFORM THE TEST, INCLUDING BUT NOT LIMITED TO FLASH LIGHTS, TWO-WAY COMMUNICATION DEVICES, AND ANY OTHER DEVICES REQUIRED TO PERFORM THESE TESTS.

THE TESTS SHALL BE PERFORMED DURING PREMIUM TIME WHEN THE OFFICE PERSONNEL ARE NOT PRESENT. THE CONTRACTOR SHALL PAY FOR ANY AND ALL CHARGES INCURRED BY THE FIRE MARSHAL TO PERFORM THESE TESTS.

FIRE ALARM SUBMITTAL PROCESS:

THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN AS TO HOW THE ABOVE SHALL BE ACCOMPLISHED. THIS PLAN SHALL INCLUDE A SCHEDULE OF DATES AND ANTICIPATED TIME EXPECTED FOR EACH, ALONG WITH ANY RESOURCES REQUIRED TO ACCOMPLISH THIS TASK.

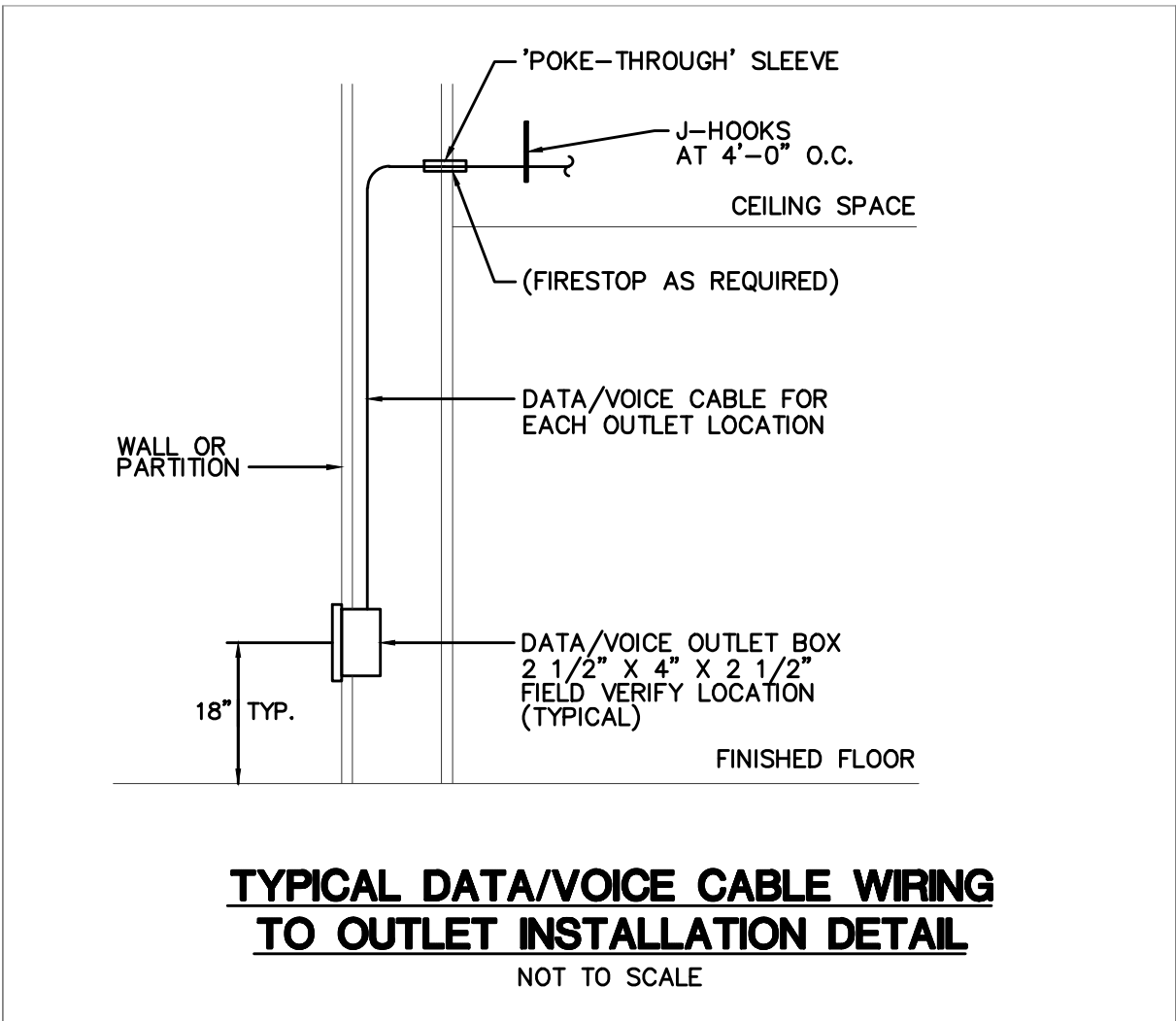


- | Panel Tag-
Panel Location- | | | | | | BH1
BACK CORRIDOR | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----------------------------|------|------------------|-----------|-----------------|----------------------|--------------------|-----|-----|-----|---|-----|-----|-----------|-------|-----------------|-----------|------------------|------|-------------------------------------|---------|--|--|--|--|--|--|
| Voltage (Phase-Ground/Phase-Phase) | | | | | | 120 | 208 | | | | | | | | | | | | | | | | | | | | |
| Phase- | | | | | | 3 | Wires: 4 | | | | | | | | | | | | | | | | | | | | |
| Rated Amps-
M/GS | | | | | | 200 | A/C 2k | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 200 | Mounting- Recessed | | | | | | | | | | | | | | | | | | | | |
| Circuit | Description | kW | New/
Existing | Load Type | Breaker
Size | Poles | Wire Size | A | B | C | A | B | C | Wire Size | Poles | Breaker
Size | Load Type | New/
Existing | kW | Description | Circuit | | | | | | |
| 1 | LIGHTING | 0.76 | N | L | 20A | 1 | | 0.8 | | | | 0.7 | | | 1 | 20A | R | N | 0.72 | RECEPTACLES/CONFERENCE ROOM | 2 | | | | | | |
| 3 | LIGHTING | 0.85 | N | L | 20A | 1 | | | 0.9 | | | | 0.5 | | 1 | 20A | R | N | 0.54 | RECEPTACLES TESTING ROOM | 4 | | | | | | |
| 5 | RECEPTACLES TESTING ROOM | 0.36 | N | L | 20A | 1 | | | | 0.4 | | | | 0.5 | 1 | 20A | R | N | 0.54 | RECEPTACLES TESTING ROOM | 6 | | | | | | |
| 7 | BATHROOM GFI RECEPTACLES | 0.54 | N | L | 20A | 1 | | 0.5 | | | | 0.7 | | | 1 | 20A | R | N | 0.72 | CORRIDOR RECEPTACLES | 8 | | | | | | |
| 9 | STORAGE RECEPTACLES | 0.54 | N | L | 20A | 1 | | | 0.5 | | | | 0.7 | | 1 | 20A | R | N | 0.72 | STORAGE RECEPTACLES | 10 | | | | | | |
| 11 | JANITOR CLOSET RECEPTACLES | 0.72 | N | R | 20A | 1 | | | | 0.7 | | | | 1.1 | 1 | 20A | R | N | 1.08 | STAFF ROOM RECEPTACLES | 12 | | | | | | |
| 13 | R/U-1 | 7.70 | N | NC | 50A | 3 | | 2.6 | | | | 0.7 | | | 1 | 20A | R | N | 0.72 | IT RM RECEPTACLES | 14 | | | | | | |
| 15 | | | | | | | | | 2.6 | | | | 0.4 | | 1 | 20A | R | N | 0.36 | BATHROOM GFCI RECEPTACLES | 16 | | | | | | |
| 17 | | | | | | | | | | 2.6 | | | | 0.5 | 1 | 20A | R | N | 0.54 | CORRIDOR RECEPTACLES | 18 | | | | | | |
| 19 | R/U-2 | 7.70 | N | NC | 50A | 3 | | 2.6 | | | | 0.7 | | | 1 | 20A | R | N | 0.72 | QUIET ROOM RECEPTACLES | 20 | | | | | | |
| 21 | | | | | | | | | 2.6 | | | | 0.8 | | 1 | 20A | R | N | 0.75 | BATHROOM EXHAUST FANS EF1, EF2, EF3 | 22 | | | | | | |
| 23 | | | | | | | | | | 2.6 | | | | 0.5 | 1 | 20A | NC | N | 0.50 | EXISTING BATHROOM EXHAUST FANS | 24 | | | | | | |
| 25 | B/H-V-1 | 4.00 | N | NC | 30A | 2 | | 2.0 | | | | 0.7 | | | 1 | 20A | L | N | 0.25 | BATHROOM EXHAUST FAN EF4 | 26 | | | | | | |
| 27 | | | | | | | | | 2.0 | | | | 0.1 | | 2 | 20A | R | N | 0.10 | FC-1 | 28 | | | | | | |
| 29 | | | N | R | 20A | 1 | | | | 0.0 | | | | 0.1 | | | | | 0.10 | | 30 | | | | | | |
| 31 | | | N | R | 20A | 1 | | 0.0 | | | | 2.0 | | | 2 | | R | N | 1.98 | ACC-1 | 32 | | | | | | |
| 33 | | | N | R | 20A | 1 | | | 0.0 | | | | 2.0 | | | | | | 1.98 | | 34 | | | | | | |
| 35 | SPARE | | N | R | 20A | 1 | | | | 0.0 | | | | 0.0 | 1 | 20A | R | N | | SPARE | 36 | | | | | | |
| 37 | SPARE | | N | R | 20A | 1 | | 0.0 | | | | 0.0 | | | 1 | 20A | R | N | | SPARE | 38 | | | | | | |
| 39 | SPARE | | N | R | 20A | 1 | | | 0.0 | | | | 0.0 | | 1 | 20A | R | N | | SPARE | 40 | | | | | | |
| 41 | SPARE | | N | R | 20A | 1 | | | | 0.0 | | | | 0.0 | 1 | 20A | R | N | | SPARE | 42 | | | | | | |

1020 FAIRFIELD AVENUE, BRIDGEPORT - ELECTRICAL LOAD ANALYSIS - UNIT 5	
CONNECTED LOADS, KW	
LIGHTING	1.61 KW
MECHANICAL EQUIPMENT	19.56
RECEPTACLES	8.82
WATER HEATING	4.50
MOTORS (EXHAUST FANS)	1.50
<hr/>	
TOTAL KW LOADS	35.49 KW
TOTAL AMP'S LOAD AT 120/208, 3ø	98.58 A
TOTAL FUTURE LOAD AMP'S (125%)	123.22 A
RECOMMENDED SERVICE SIZE	200A, 208/120V, 3ø

1020 FAIRFIELD AVENUE, BRIDGEPORT - ELECTRICAL LOAD ANALYSIS - UNIT 6	
	CONNECTED LOADS, KW
LIGHTING	2.01 KW
MECHANICAL EQUIPMENT	15.4
RECEPTACLES	8.82
WATER HEATING	6.00
<hr/>	
TOTAL KW LOADS	48.25 KW
TOTAL AMP'S LOAD AT 120/208, 3ø	134.03 A
TOTAL FUTURE LOAD AT 120/208, 3ø (125%)	167.54 A
RECOMMENDED SERVICE SIZE	200A, 208/120V, 3ø

<u>MECHANICAL EQUIPMENT SCHEDULE</u>									
ITEM	DESCRIPTION	KW	AMPS	VOLTS	PH	PLUG-IN	DIR	CONN	PANEL
EAH-1	ELECTRIC WATER HEATER	4	19.2	208V	1#	—	YES	30A-2P	2#10 + 1#10GND REFER TO E-3
EAH-2	ELECTRIC WATER HEATER	3	14.4	208V	1#	—	YES	20A-2P	2#12 + 1#12GND REFER TO E-3
RTU-1	ROOF TOP UNIT	7.7	37	208V	3#	—	YES	50A-3P	3#8 + 1#10GND REFER TO E-3
RTU-2	ROOF TOP UNIT	7.7	37	208V	3#	—	YES	50A-3P	3#8 + 1#10GND REFER TO E-3
RTU-3	ROOF TOP UNIT	7.7	37	208V	3#	—	YES	50A-3P	3#8 + 1#10GND REFER TO E-3
RTU-4	ROOF TOP UNIT	7.7	37	208V	3#	—	YES	50A-3P	3#8 + 1#10GND REFER TO E-3
ACC-1	FAN COIL UNIT	—	1	208V	1#	—	YES	20A-2P	3#12 + 1#12GND REFER TO E-3
FC-1	FAN COIL UNIT	3.95	19	208V	1#	—	YES	25A-2P	3#10 + 1#10GND REFER TO E-3
EF-1	EXHAUST FAN	—	1	120V	1#	—	YES	20A-1P	2#12 + 1#12GND REFER TO E-3
EF-2	EXHAUST FAN	—	1	120V	1#	—	YES	20A-1P	2#12 + 1#12GND REFER TO E-3
EF-3	EXHAUST FAN	—	1	120V	1#	—	YES	20A-1P	2#12 + 1#12GND REFER TO E-3
EF-4	EXHAUST FAN	—	1	120V	1#	—	YES	20A-1P	2#12 + 1#12GND REFER TO E-3



Electrical Engineer:

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PROJECT TITLE

**BEHAVIORAL HEALTH
CARE CLINIC**

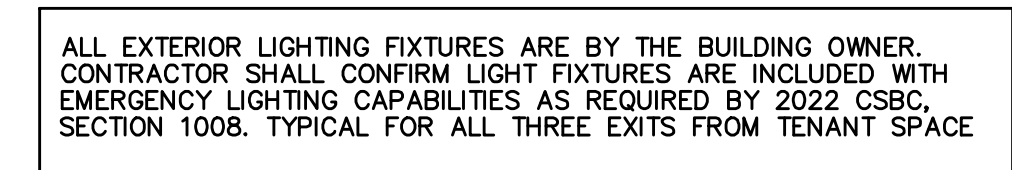
**1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605**

Prepared For:






**SOUTHWEST COMMUNITY
HEALTH CENTER
48 ALBION STREET
BRIDGEPORT, CT 06605**

SHEET TITLE	
ELECTRICAL RISER DIAGRAM, SCHEDULES AND NOTES	
DESIGNED BY:	SCALE: AS NOTED
DRAWN BY: SK/EJ	DATE: 11-23-20
CHECKED BY: MVM	PROJECT NUMBER: 200943-1
CAD FILE: E3.dwg	

SEAL	SHEET NUMBER
100% For Review 07/03/2024	E-3



SEAL	SHEET NUMBER
100% For Review 07/03/2024	EL-1

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Mounting Height	Description
	9	A1	SINGLE	3636	24	0.620	9, 10	Mercury LR205-22G-2600-35K-1%-UNI
	25	B	SINGLE	4765	42.72	0.900	9, 10	Mercury LR205-24G-4800-35K-1%-UNI
	36	B1	SINGLE	4765	28	0.660	9	Mercury LR205-24G-5700-35K-1%-UNI
	10	B2	SINGLE	4765	51	1.080	9	Mercury LR205-24G-5700-35K-1%-UNI
	18	C	SINGLE	3852	42.32	0.900	11	Mercury LW3-4-3800-35K-AW-1%-UNI

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Common Area to Storage Corridor_Floor	Illuminance	Fc	16.51	21.4	10.9	1.51	1.96
Conference Room_Workplane	Illuminance	Fc	38.13	56.7	16.6	2.30	3.42
Exam Room_Workplane	Illuminance	Fc	56.79	68.8	43.5	1.31	1.58
HC LAV Corridor_Floor	Illuminance	Fc	20.38	25.0	12.4	1.64	2.02
IT Room_Workplane	Illuminance	Fc	34.34	53.2	15.3	2.29	3.55
Janitor Closet_Workplane	Illuminance	Fc	16.70	28.8	8.3	2.01	3.47
LAV_Floor	Illuminance	Fc	13.57	15.7	11.8	1.15	1.33
Office 1_Workplane	Illuminance	Fc	36.09	50.3	25.3	1.43	1.99
Office 2_Workplane	Illuminance	Fc	34.58	42.0	26.3	1.31	1.60
Office Corridor_Floor	Illuminance	Fc	17.95	23.2	12.5	1.44	1.86
Open Work Area_Workplane	Illuminance	Fc	36.77	51.4	10.0	3.68	5.14
Quiet Room_Workplane	Illuminance	Fc	23.28	31.6	17.4	1.34	1.82
Reception Office_Workplane	Illuminance	Fc	24.29	34.5	13.8	1.76	2.50
Small Conference Room_Workplane	Illuminance	Fc	35.58	53.3	16.3	2.18	3.27
Staff Room Corridor_Floor	Illuminance	Fc	13.83	19.5	2.9	4.77	6.72
Staff Room_Workplane	Illuminance	Fc	38.11	40.8	12.8	2.30	3.19
Storage Room_Workplane	Illuminance	Fc	25.11	40.2	3.8	6.61	10.58
Testing_Workplane	Illuminance	Fc	38.62	55.7	18.8	2.05	2.96
Vestibule_Floor	Illuminance	Fc	13.48	15.4	12.0	1.12	1.28
Waiting Area_Workplane	Illuminance	Fc	25.27	34.6	14.8	1.71	2.34

website: www.lightingaffiliates.com
Voice Number : (860) 721-1171 x 219
Email Address : gloda@lightingaffiliates.com



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



- 1 - THE INFORMATION CONTAINED ON THIS DRAWING IS BASED UPON THE INFORMATION SHOWN ON THE BUILDING PLANS AND UNDATED FIELD INVESTIGATIONS AND MAY OR MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THIS CONTRACTOR SHALL VERIFY THE INFORMATION INDICATED ON THIS DRAWING AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 2 - THIS CONTRACTOR IS REQUIRED TO PERFORM THIS WORK IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, PRIOR TO SUBMITTING HIS BID.
- 3 - THIS CONTRACTOR SHALL BE RESPONSIBLE TO MEET THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION AND TO OBTAIN ALL NECESSARY PERMITS, INDENTED OR RECORDED ON THIS DRAWING.
- 4 - ALL PENETRATIONS THRU FLOOR AND WALLS SHALL BE FIRE STOPPED WITH "THOMAS AND BETTS" - FLAMESAFE, TYPE FRT FIRESTOP COMPOUND OR APPROVED EQUIVALENT, CONFORMING TO ASME E814/UL479.

Electrical Engineer;

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**SOUTHWEST COMMUNITY
HEALTH CENTER
46 ALBION STREET
BRIDGEPORT, CT 06605**


LIGHTING PHOTOMETRIC FLOOR PLAN

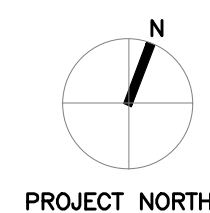
DESIGNED BY:	SCALE: AS NOTED
DRAWN BY: SK/EJ	DATE: 11-23-20
CHECKED BY: MVM	PROJECT NUMBER: 200943-1
CAD FILE: EL-2.dwg	

SEAL	SHEET NUMBER
100% For Review 07/03/2024	EL-2

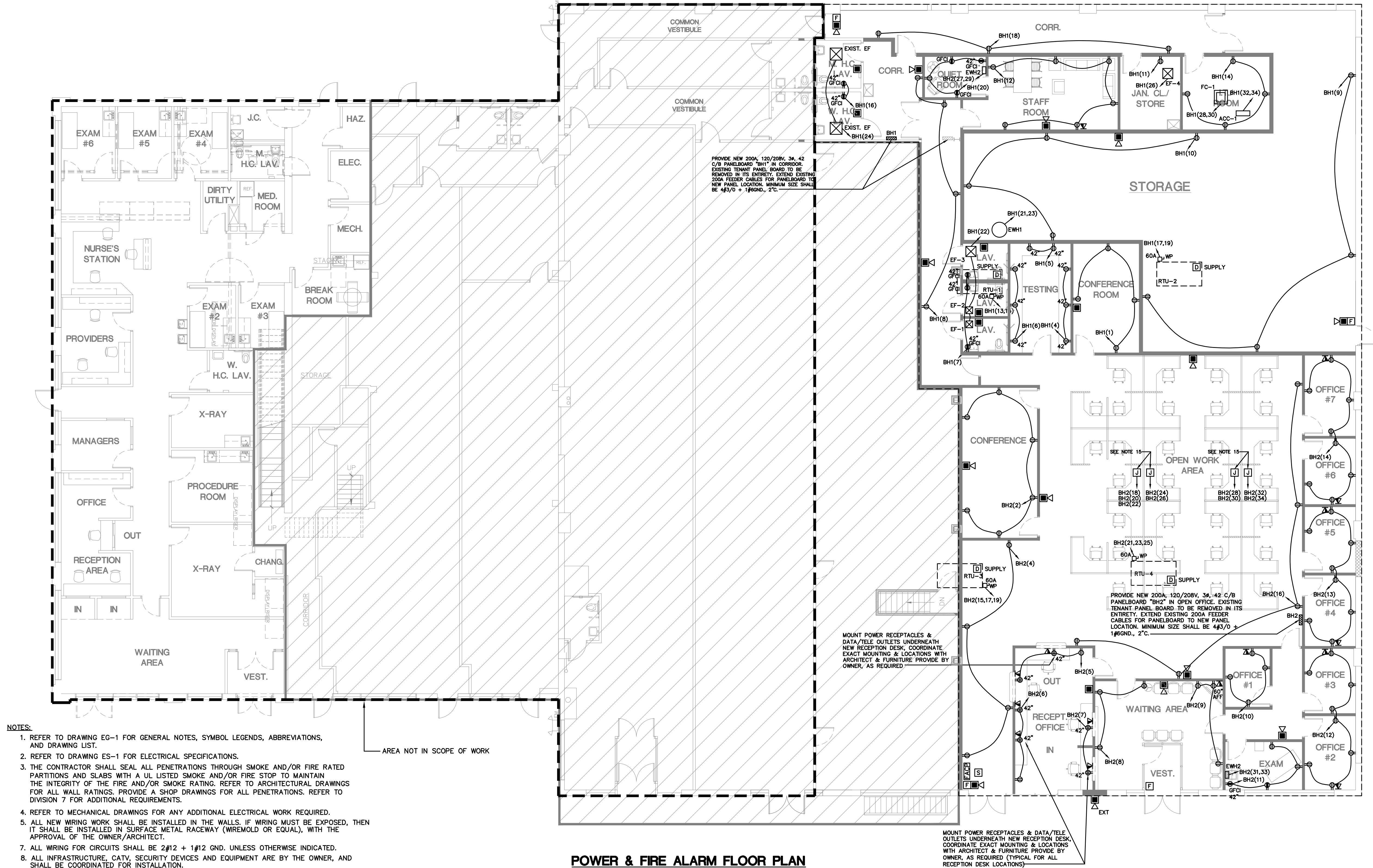


PROJECT NOTES	
1	**THIS DESIGN IS TO BE USED FOR REFERENCE ONLY AND BASED ON BEST PRACTICES. PLEASE VERIFY ALL CIRCUITING, LOADS AND CONTROL INTENT IN ALL SPACES.>>
2	**NO EMERGENCY LIGHTING OR CIRCUITS HAVE BEEN IDENTIFIED. THEREFORE, NO EMERGENCY DEVICES HAVE BEEN PROVIDED.>>
3	**NO EXTERIOR OR SITE LIGHTING CONTROLS HAVE BEEN INCLUDED. IF REQUIRED, PLEASE PROVIDE MORE INFORMATION AND REQUEST A REVISED DESIGN.>>

 <p>PROJECT NORTH</p>	<p>GENERAL NOTES</p> <ol style="list-style-type: none"> 1. - THE INFORMATION SHOWN ON THIS DRAWING IS BASED UPON THE INFORMATION SHOWN ON THE BUILDING PLANS, ALTHOUGH LIMITED FIELD INVESTIGATIONS AND MAY OR MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THIS CONTRACTOR SHALL VERIFY THE INFORMATION INDICATED ON THIS DRAWING AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. 2. - THIS CONTRACTOR IS REQUIRED TO PERFORM THIS WORK IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, PRIOR TO SUBMITTING THIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, REGULATIONS, ORDINANCES, ETC., AND TO MEET THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION AND CARRIER, WHETHER OR NOT SPECIFICALLY INDICATED OR SPECIFIED ON THIS DRAWING. 3. - ALL PENETRATIONS THRU FLOOR AND WALLS SHALL BE FIRE STOPPED WITH "THOMAS AND BETTS" - FLAMESAFE, TYPE FST FIRESTOP COMPOUND OR APPROVED EQUIVALENT, CONFORMING TO ASME E814/U1479.
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SEAL	SHEET NUMBER
100% For Review 07/03/2024	EL-3



- NOTES:
1. REFER TO DRAWING EG-1 FOR GENERAL NOTES, SYMBOL LEGENDS, ABBREVIATIONS, AND DRAWING LIST.
 2. REFER TO DRAWING ES-1 FOR ELECTRICAL SPECIFICATIONS.
 3. THE CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH SMOKE AND/OR FIRE RATED PARTITIONS AND SLABS WITH A UL LISTED SMOKE AND/OR FIRE STOP TO MAINTAIN THE INTEGRITY OF THE FIRE AND/OR SMOKE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL RATINGS. PROVIDE A SHOP DRAWINGS FOR ALL PENETRATIONS. REFER TO DIVISION 7 FOR ADDITIONAL REQUIREMENTS.
 4. REFER TO MECHANICAL DRAWINGS FOR ANY ADDITIONAL ELECTRICAL WORK REQUIRED.
 5. ALL NEW WIRING WORK SHALL BE INSTALLED IN THE WALLS. IF WIRING MUST BE EXPOSED, THEN IT SHALL BE INSTALLED IN SURFACE METAL RACEWAY (WIREMOLD OR EQUAL), WITH THE APPROVAL OF THE OWNER/ARCHITECT.
 6. ALL WIRING FOR CIRCUITS SHALL BE 2#12 + 1#12 GND. UNLESS OTHERWISE INDICATED.
 7. ALL INFRASTRUCTURE, CATV, SECURITY DEVICES AND EQUIPMENT ARE BY THE OWNER, AND SHALL BE COORDINATED FOR INSTALLATION.
 8. REFER TO ARCHITECTURAL PLANS FOR HEIGHTS OF ALL OUTLETS AS NEEDED.
 9. PROVIDE SURGE SUPPRESSION RECEPTACLES AT ALL COMPUTER LOCATIONS.
 10. PROVIDE TAMPER RESISTANT RECEPTACLES PER 2020 NEC, ARTICLE 406.12(5) FOR ALL BUSINESS OFFICES, CORRIDORS, WAITING ROOMS (CLINICS, MEDICAL AND DENTAL OFFICES, OUTPATIENT FACILITIES)
 11. REFER TO DRAWING E-2 FOR FIRE ALARM RISER DIAGRAM, DETAILS AND NOTES.
 12. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE EXISTING CONDITIONS FOR THE INSTALLATION OF ALL NEW FIRE ALARM DEVICES, INCLUDING EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT.
 13. THE FIRE ALARM SYSTEM AND THE INSTALLATION OF ALL F.A. DEVICES SHALL COMPLY WITH THE 2020 NATIONAL ELECTRICAL CODE, NFPA 72 AND LATEST STATE OF CT CODES.
 14. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOX AT THE CEILING FOR CONNECTION OF POWER AND DATA WIRING FOR DESK AREA.

POWER & FIRE ALARM FLOOR PLAN
SCALE: 1/8" = 1'-0"

- GENERAL NOTES
1. - THE INFORMATION SHOWN ON THIS DRAWING IS BASED UPON THE INFORMATION SHOWN ON THE BUILDING PLANS AND LIMITED FIELD INVESTIGATIONS AND MAY OR MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THIS CONTRACTOR SHALL VERIFY THE INFORMATION INDICATED ON THIS DRAWING AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMITTING HIS BID.
 2. - THIS CONTRACTOR IS REQUIRED TO PERFORM THIS WORK IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC., AND TO MEET THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION AND OWNER, WHETHER OR NOT SPECIFICALLY INDICATED OR SPECIFIED ON THIS DRAWING.
 3. - ALL PENETRATIONS THRU FLOOR AND WALLS SHALL BE FIRE STOPPED WITH "THOMAS AND BETTS" - FLAMESAFE, TYPE FST FIRESTOP COMPOUND OR APPROVED EQUIVALENT, CONFORMING TO ASME E814/UL1479.

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REVISIONS				
NO.	BY	DATE	DESCRIPTION	
1	SK	07/02/24	REVISED BACKGROUNDS	

PROJECT TITLE

BEHAVIORAL HEALTH CARE CLINIC

1020 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605

Prepared For:

SOUTHWEST COMMUNITY HEALTH CENTER
48 ALBION STREET
BRIDGEPORT, CT 06605

SHEET TITLE

POWER & FIRE ALARM FLOOR PLAN & NOTES

DESIGNED BY:	SCALE: AS NOTED
DRAWN BY: SK/EJ	DATE: 11-23-20
CHECKED BY: MVM	PROJECT NUMBER: 200943-1
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SEAL

100% For Review
07/03/2024

SHEET NUMBER

EP-1