

# ANCHORAGE COMMUNITY LAND TRUST KITCHEN CABINET

Anchorage, Alaska

UPDATED PERMIT DOCUMENTS

03.20.2026

## CONTACT INFORMATION



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### CIVIL ENGINEERING

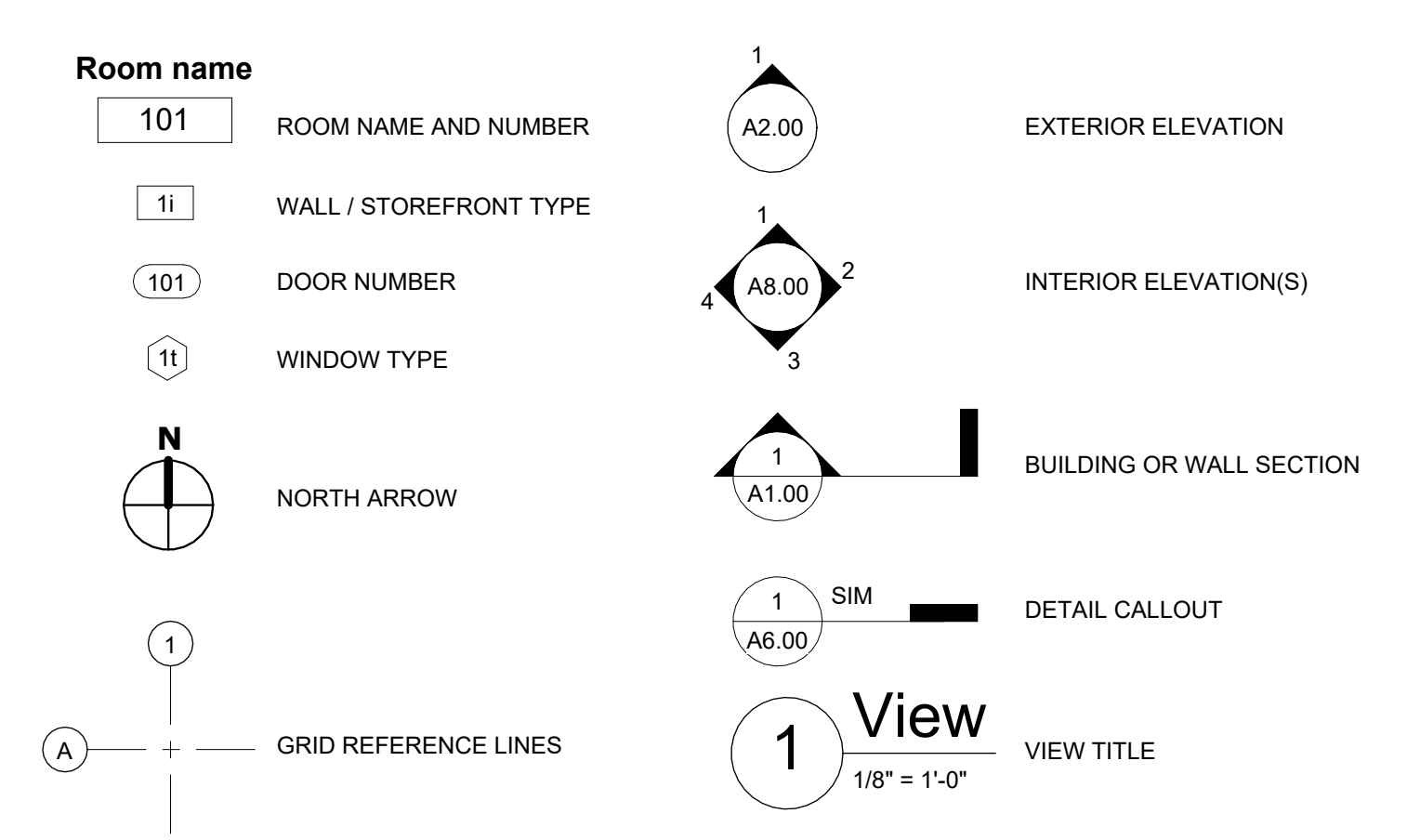
**R&M CONSULTANTS, INC.**  
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# GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST RECENT ADOPTED EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL PLUMBING CODE (IPC), NATIONAL ELECTRICAL CODE (NEC), INTERNATIONAL FIRE CODE (IFC), INTERNATIONAL ENERGY CONSERVATION CODE (IECC), AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES, REGULATIONS, ORDINANCES AND AMENDMENTS.
- NO WORK SHALL BEGIN AT UNTIL APPLICABLE APPROVALS AND REQUIRED PERMITS HAVE BEEN OBTAINED COVERING THE SCOPE OF WORK. THE CONTRACTOR SHALL ENSURE THAT SUBCONTRACTORS VERIFY AND ASSURE PROPER CODE COMPLIANCE FOR ALL ASPECTS OF CONSTRUCTION WITHIN THEIR RESPECTIVE TRADES. CONTRACTOR SHALL BE HELD TO HAVE EXAMINED THE SITE AND CONDITIONS UNDER WHICH THEY WILL BE OBLIGATED TO PERFORM THE WORK, PRIOR TO PROCEEDING WITH ANY WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
- DRAWINGS ARE SUPPLIED TO THE CONTRACTOR AND OTHERS FOR THEIR USE FOR THE SPECIFICALLY NAMED PROJECT. ALL COPIES OF THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF SPARK DESIGN, LLC AND SHALL NOT BE REUSED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF SPARK DESIGN, LLC.
- THE ORGANIZATION OF DRAWINGS IS NOT INTENDED TO CONTROL THE DIVISION OF WORK. DIVISION OF WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY DIMENSIONS, REQUIRED CLEARANCES, ELECTRICAL, AND PLUMBING REQUIREMENTS FOR ALL OWNER AND N.I.C. ITEMS.
- ALL MATERIALS SHALL BE ASSUMED TO BE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.
- DO NOT SCALE THE DRAWINGS TO OBTAIN DIMENSIONAL CLARIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK.
- ALL CEILING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH IBC CHAPTER 16 SEISMIC DESIGN REQUIREMENTS AND STANDARDS FOR THE APPROPRIATE ZONE.
- ALL WALL AND CEILING FINISHES SHALL MEET THE REQUIREMENTS OF CHAPTER 8 AND TABLE 803.5 OF THE INTERNATIONAL BUILDING CODE THAT IS ADOPTED WITHIN THE MUNICIPALITY OF ANCHORAGE.
- THE DRAWINGS AND SPECIFICATION, IF PROVIDED, ARE COMPLEMENTARY TO EACH OTHER. WHAT IS SHOWN OR INDICATED IN ONE IS AS BINDING AS IF CALLED FOR IN BOTH.

# DRAWING SYMBOLS



# ABBREVIATIONS

A	ABOVE	DIFF	DIFFUSER	HT	HEIGHT	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED	SNR	SANITARY NAPKIN RECEPTACLE SPECIFICATION(S)
ABV	ABOVE	DIM	DIMENSION	HVAC	HEATING, VENTILATION and AIR CONDITIONING	OFF	OFFICE	SPEC	SQUARE
ACM	ASBESTOS CONTAINING MATERIAL or ALUMINUM COMPOSITE MATERIAL	DN	DOWN			OFOI	OWNER FURNISHED-OWNER INSTALLED	SQ	SOLID SURFACE
ACoust	ACOUSTICAL	DS	DOWNSPOUT	I	INTERNATIONAL BUILDING CODE or INSTALLED BY CONTRACTOR	OH	OPPOSITE HAND	SSG	STRUCTURAL SILICONE GLAZED SERVICE SINK
ACT	ACOUSTICAL CEILING TILE	DTL	DETAIL	IBC	INTERNATIONAL BUILDING CODE or INSTALLED BY CONTRACTOR	OH	OVERHEAD	SSK	STAINLESS STEEL STAIN
ADDN	ADDITION / ADDITIONAL	DWG	DRAWING	ICB	INTEGRAL COVE BASE	OPG	OPENING	SST	STANDARD
ADJ	ADJACENT or ADJUSTABLE	E	EAST	ID	INSIDE DIAMETER	OPP	OPPOSITE	STD	STATION
AFF	ABOVE FINISHED FLOOR	(E)	EXISTING	IGL	INSULATED GLAZING	ORD	OVERFLOW ROOF DRAIN	STL	STAIN
AG	AGGREGATE	EA	EACH	IHM	INSULATED HOLLOW METAL	ORIG	ORIGINAL	STOR	STORAGE
AHU	AIR HANDLING UNIT	E	EAST	IN	INCH	P	PAINT	STRUC	STRUCTURE or STRUCTURAL
ALT	ALTERNATE	EA	EACH	INFO	INFORMATION	PL	PROPERTY LINE	SUBST	SUBSTRATE
ALUM	ALUMINUM	EIFS	EXTERIOR INSULATION FINISH SYSTEM	INS	INSULATION or INSULATED	PLAM	PLASTIC LAMINATE	SYS	SYSTEM
ANOD	ANODIZED	EJ	EXPANSION JOINT	INT	INTERIOR	PLAS	PLASTER	T	TONGUE AND GROOVE
APPROX	APPROXIMATE(LY)	EL	ELEVATION	J	JANITOR	PLP	PHENOLIC LAMINATE PANEL	T&G	TOWEL BAR
APSH	ASPHALT	ELEC	ELECTRICAL	JAN	JANITOR	PLT	PLATE	TB	THERMAL BREAK / TACK BOARD
ARCH	ARCHITECT / ARCHITECTURAL	ELEV	ELEVATOR	JST	JOIST	PLY	PLYWOOD	TEL	TELEPHONE
AUTO	AUTOMATIC	ENGR	ENGINEER	JT	JOINT	PNL	PANEL	TEMP	TEMPERATURE
		EPDM	ETHYLENE PROPYLENE DIENE MONOMER	K	KICK PLATE	PRCST	PRECAST	THK	THICK or THICKNESS
				KD	KNOCKDOWN	PRFIN	PREFINISHED	THRU	THROUGH
				KIT	KITCHEN	PROJ	PROJECT	TO	TOP OF
				KO	KNOCKOUT	PT	POST-TENSIONED or PORCELAIN TILE	TPD	TOILET PAPER DISPENSER
				KPL	KICK PLATE	PTD	PAPER TOWEL DISPENSER	TPO	THERMOPLASTIC POLYOLEFIN
				L	LEFT	PTDR	PAPER TOWEL DISPENSER AND RECEPTACLE	TPTN	TOILET PARTITION
				L	LEFT	PTN	PARTITION	TS	TUBE STEEL
				LAB	LABORATORY	PTR	PAPER TOWEL RECEPTACLE	TSTAT	THERMOSTAT
				LAM	LAMINATE	PV	PAVEMENT	TYP	TYPICAL
				LAV	LAVATORY	PVC	POLYVINYL CHLORIDE	U	UNIT HEATER
				LBL	LABEL	Q	QUARRY TILE	UH	UNDERWRITER'S LABORATORY
				LBD	LIGHT EMITTING DIODE	Q.T.	QUARRY TILE	UNF	UNFINISHED
				LF	LINEAR FOOT / FEET	R	RETURN AIR	UNO	UNLESS NOTED OTHERWISE
				LKR	LOCKER	R/A	RADIUS	UON	UNLESS OTHERWISE NOTED
				LT	LIGHT	RAD	RADIUS	UOS	UNLESS OTHERWISE SPECIFIED
				LV	LOUVER	RB	RUBBER / RUBBER BASE	V	VACUUM
				LVR	LOUVER	RCP	REFLECTED CEILING PLAN	VAR	VARIES
				M	MEDICAL AIR	RD	ROOF DRAIN	VCT	VINYL COMPOSITION TILE
				MA	MANUAL	REF	REFER TO or REFERENCE	VERT	VERTICAL
				MAS	MASONRY	REFR	REFRIGERATOR or REFRIGERATED	VEST	VESTIBULE
				MAT	MATERIAL	REQ	REQUIRED	VFY	VERIFY
				MAX	MAXIMUM	REV	REVISE, REVISED or REVISION	VIF	VERIFY IN FIELD
				MDF	MEDIUM DENSITY FIBERBOARD	RF	RESILIENT FLOORING	VIN	VINYL
				MDO	MEDIUM DENSITY OVERLAY	RFL	REFLECTED	VR	VAPOR RETARDER
				MECH	MECHANICAL	RHK	ROBE HOOK	VWC	VINYL WALL COVERING
				MEP	MECHANICAL, ELECTRICAL and PLUMBING	RL	RAIN LEADER	W	WEST
				MEZZ	MEZZANINE	RM	ROOM	W/	WITH
				MFG	MANUFACTURER	RND	ROUND	W/O	WITHOUT
				MILWK	MILLWORK	RO	ROUGH OPENING	WC	WATER CLOSET
				MIN	MINIMUM	ROD	ROOF OVERFLOW DRAIN	WD	WOOD
				MIR	MIRROR	RTR	RUBBER TREAD AND RISER	WIN	WINDOW
				MISC	MISCELLANEOUS	RTU	ROOF TOP UNIT	WPT	WORKING POINT
				MO	MASONRY OPENING	S	SOUTH	WR	WASTE RECEPTACLE
				MP	METAL PANEL	S/A	SUPPLY AIR	WSCT	WAINSCOT
				MTL	METAL	SC	SOLID CORE	WT	WEIGHT
				N	NORTH	SCD	SEAT COVER DISPENSER	WWF	WELDED WIRE FABRIC
				N/A	NOT APPLICABLE	SCHED	SCHEDULE		
				NFS	NON FROST SUSCEPTABLE	SCW	SOLID CORE WOOD		
				NI	NOT IN CONTRACT	SD	STORM DRAIN or SOAP DISPENSER		
				NO	NUMBER	SECT	SECTION		
				NOM	NOMINAL	SF	SQUARE FOOT / FEET or STOREFRONT		
				NR	NON RATED	SHT	SHEET		
				NTS	NOT TO SCALE	SHTG	SHEATHING		
				O	OUTSIDE AIR	SIM	SIMILAR		
				O/A	OUTSIDE AIR	SLR	SEALER		
				OC	ON CENTER	SND	SANITARY NAPKIN DISPENSER		
				OD	OUTSIDE DIAMETER				

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08 - KITCHEN EQUIPMENT CONSULTANT	K-1 KITCHEN LAYOUT			
Grand total:	77			



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ANCHORAGE COMMUNITY LAND TRUST  
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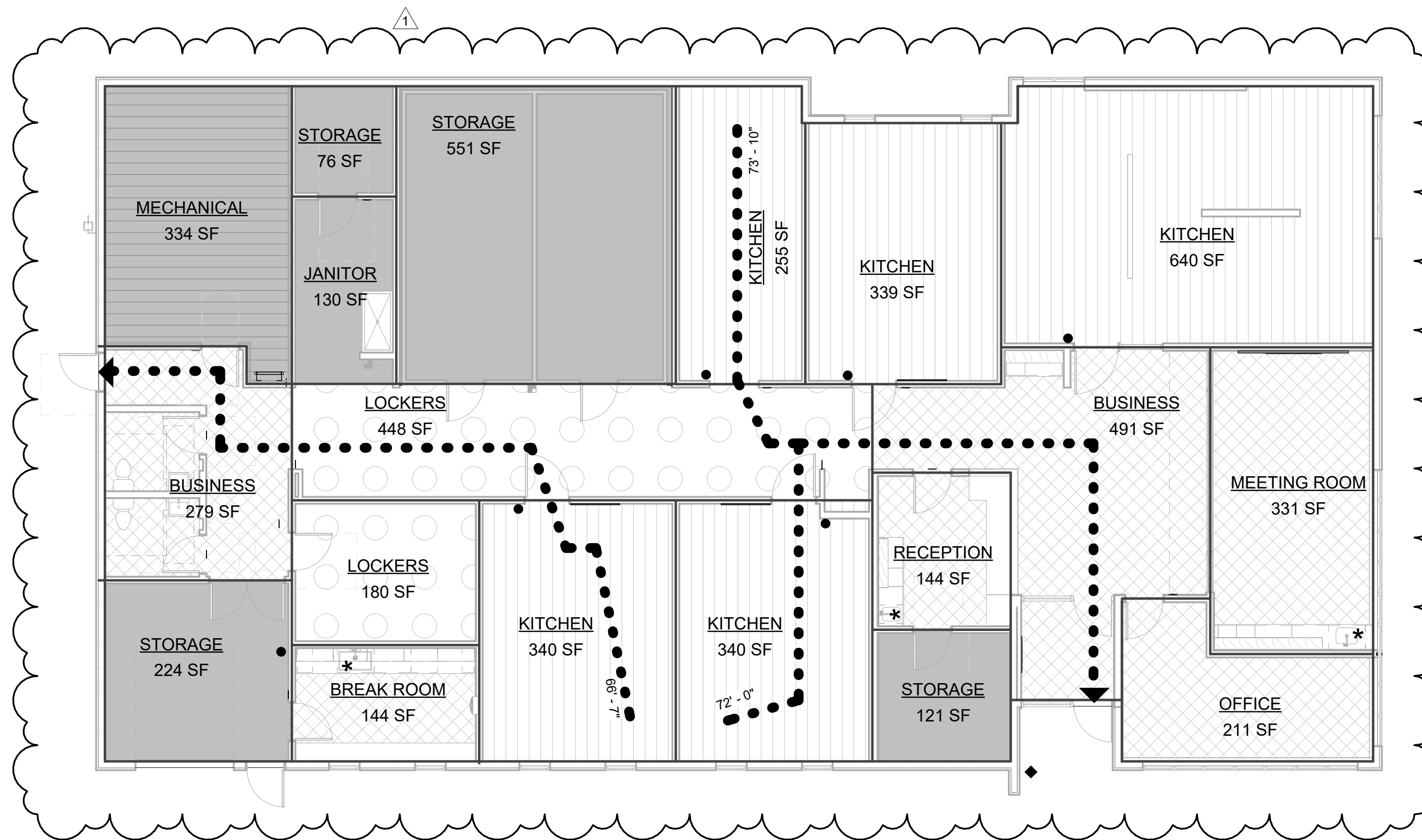
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MCA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO.	23-002
DATE	2025.02.12
DRAWN	JACS
REVIEWED	DTW

SHEET NAME  
 GENERAL INFORMATION, ABBREVIATIONS AND SYMBOLS

SHEET NO.  
**G0.01**

# LIFE SAFETY PLAN



## LIFE SAFETY PLAN: BUILDING OCCUPANCY LEGEND

- ACCESSORY STORAGE AREAS
- BUSINESS AREAS
- KITCHENS, COMMERCIAL
- LOCKERS
- MECHANICAL EQUIPMENT ROOM

## LIFE SAFETY PLAN: ASSEMBLIES AND EGRESS COMPONENTS

- EGRESS ROUTE
- BUILDING EXIT
- PORTABLE FIRE EXTINGUISHER - LOCATED UNDER SINK: CLASS 2-A FOR INTERIOR LOCATIONS
- WALL MOUNTED FIRE EXTINGUISHER: CLASS K FOR INTERIOR LOCATIONS. MOUNT TOP OF EXTINGUISHER AT 42" AFF.
- KNOX BOX

## LIFE SAFETY PLAN: GENERAL NOTES

- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHERS AND CABINETS IN ACCORDANCE WITH APPLICABLE CODES AND AMENDMENTS. FIRE EXTINGUISHERS WEIGHING LESS THAN 40 POUNDS CAN BE LOCATED NO HIGHER THAN 5 FEET. FIRE EXTINGUISHERS WEIGHING MORE THAN 40 POUNDS CAN BE LOCATED NO HIGHER THAN 3.5 FEET.

## CODE ANALYSIS

### ACLT KITCHEN CABINET CODE ANALYSIS

**SUMMARY:**  
 OCCUPANCY GROUP: FACTORY, F-1  
 CONSTRUCTION TYPE: TYPE VB

ALLOWABLE AREA: 8,500 SF  
 ACTUAL BUILDING AREA: 6,026 SF GROSS

ALLOWABLE HEIGHT: 1-STORY, 40-FEET  
 ACTUAL HEIGHT: 1-STORY, 20-FEET

NON-SPRINKLERED BUILDING

### 2018 INTERNATIONAL BUILDING CODE

#### CHAPTER 3 OCCUPANCY CLASSIFICATION AND USE

**SECTION 306 FACTORY GROUP F**  
**306.2 MODERATE-HAZARD FACTORY, INDUSTRIAL, GROUP F-1.** FACTORY INDUSTRIAL USES THAT ARE NOT CLASSIFIED AS FACTORY INDUSTRIAL F-2 LOW HAZARD SHALL BE CLASSIFIED AS F-1 MODERATE HAZARD AND SHALL INCLUDE: FOOD PROCESSING ESTABLISHMENTS AND COMMERCIAL KITCHENS NOT ASSOCIATED WITH RESTAURANTS, CAFETERIAS AND SIMILAR DINING FACILITIES MORE THAN 2,500 SQUARE FEET IN AREA.

#### CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

**TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE THE GRADE PLANE**  
 GROUP F, NON-SPRINKLERED, TYPE VB = 40 FEET

**TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE THE GRADE PLANE**  
 GROUP F-1, NON-SPRINKLERED, TYPE VB = 1 STORY

**TABLE 506.2 ALLOWABLE AREA FACTOR**  
 GROUP F-1, NON-SPRINKLERED, TYPE VB = 8,500 SF

#### CHAPTER 6 TYPES OF CONSTRUCTION

**TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)**

CONSTRUCTION TYPE VB	REQUIREMENT	REQUIREMENT	REQUIREMENT
PRIMARY STRUCTURAL FRAME:	0 HOURS		
BEARING WALLS - INTERIOR:	0 HOURS		
BEARING WALLS - EXTERIOR:	0 HOURS		
NONBEARING WALLS AND PARTITIONS - INTERIOR:	0 HOURS		
FLOOR CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS:	0 HOURS		
ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS:	0 HOURS		
<b>TABLE 602 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE</b>			
CONSTRUCTION TYPE VB			
5 ≤ X < 10 FEET =	1 HOUR		
10 ≤ X < 30 FEET =	0 HOURS		
X ≥ 30 FEET =	0 HOURS		

#### CHAPTER 8 INTERIOR FINISHES

**803 WALL AND CEILING FINISHES**

**TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY**  
 GROUP F, NON-SPRINKLERED:

ROOMS AND ENCLOSED SPACES: CLASS C FINISHES.

#### CHAPTER 9 FIRE AND LIFE SAFETY SYSTEMS

**903 AUTOMATIC SPRINKLER SYSTEMS.** NOT REQUIRED PER TABLE 506.2.

**906 PORTABLE FIRE EXTINGUISHERS**

**906.1 WHERE REQUIRED.**

PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN F OCCUPANCIES. WITHIN 30 FEET DISTANCE OF TRAVEL FROM COMMERCIAL COOKING EQUIPMENT. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED.

**906.4 COOKING EQUIPMENT FIRES.** FIRE EXTINGUISHERS PROVIDED FOR THE PROTECTION OF COOKING EQUIPMENT SHALL BE OF AN APPROVED TYPE COMPATIBLE WITH THE AUTOMATIC FIRE-EXTINGUISHING SYSTEM AGENT. COOKING EQUIPMENT INVOLVING SOLID FUELS OR VEGETABLE OR ANIMAL OILS AND FATS SHALL BE PROTECTED BY CLASS K-RATED PORTABLE EXTINGUISHER IN ACCORDANCE WITH SECTION 906.1, ITEM 2 906.4.1 AND 906.4.2 OF THE INTERNATIONAL FIRE CODE AS APPLICABLE.

**907.2 WHERE REQUIRED - NEW BUILDINGS AND STRUCTURES.**

NOT FEWER THAN ONE MANUAL FIRE ALARM BOX SHALL BE PROVIDED IN AN APPROVED LOCATION TO INITIATE A FIRE ALARM SIGNAL FOR FIRE ALARM SYSTEMS EMPLOYING AUTOMATIC FIRE DETECTORS OR WATER FLOW DETECTION DEVICES.

#### CHAPTER 10 MEANS OF EGRESS

**TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM: 300 GROSS

BUSINESS: 150 GROSS

KITCHENS, COMMERCIAL: 200 GROSS

LOCKER ROOM: 50 GROSS

#### 1005 MEANS OF EGRESS SIZING

**1005.3.2 OTHER EGRESS COMPONENTS:**  
 THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVES BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.  
 0.2 X 25 OCCUPANTS = 5"

#### 1005.7 DOORS

DOORS WHEN FULLY OPENED, SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7 INCHES. DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN ONE-HALF.

**TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY**

F = 49 MAX OCCUPANTS WITH ONE EXIT / COMMON PATH 75 FEET WITHOUT SPRINKLER SYSTEM

**TABLE 1006.3.2 MINIMUM NUMBER OF EXITS PER STORY**

OCCUPANT LOAD PER STORY: 1-500 = 2 EXITS REQUIRED.

**TABLE 2902.1 MINIMUM PLUMBING FIXTURES FOR F FACTORY OCCUPANCY**

WATER CLOSETS: 1 PER 100

TOTAL REQUIRED: 1

TOTAL PROVIDED: 2

LAVATORIES: 1 PER 100

TOTAL REQUIRED: 1

TOTAL PROVIDED: 2

DRINKING FOUNTAINS: 1 PER 400 = 1 (BOTTLE FILLER PROVIDED IN BREAK ROOM)

SERVICE SINK 1 REQUIRED (1 PROVIDED)

## OCCUPANCY LOAD SCHEDULE - LEVEL 1

AREA DESCRIPTION	OCCUPANCY CLASSIFICATION (CHAPTER 3 AND 5)	AREA/ROOM FUNCTION (TABLE 1004.1.2)	OCCUPANT LOAD FACTOR	SQUARE FOOTAGE	OCCUPANT LOAD
JANITOR	BUSINESS GROUP B	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	130 SF	0.43
MECHANICAL	BUSINESS GROUP B	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	334 SF	1.11
STORAGE	BUSINESS GROUP B	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	76 SF	0.25
STORAGE	BUSINESS GROUP B	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	551 SF	1.84
STORAGE	BUSINESS GROUP B	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	121 SF	0.40
STORAGE	BUSINESS GROUP B	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	224 SF	0.75
BREAK ROOM	BUSINESS GROUP B	BUSINESS AREAS	150 SF	144 SF	0.96
BUSINESS	BUSINESS GROUP B	BUSINESS AREAS	150 SF	491 SF	3.27
BUSINESS	BUSINESS GROUP B	BUSINESS AREAS	150 SF	279 SF	1.86
MEETING ROOM	BUSINESS GROUP B	BUSINESS AREAS	150 SF	331 SF	2.21
OFFICE	BUSINESS GROUP B	BUSINESS AREAS	150 SF	211 SF	1.41
RECEPTION	BUSINESS GROUP B	BUSINESS AREAS	150 SF	144 SF	0.96
KITCHEN	BUSINESS GROUP B	KITCHEN, COMMERCIAL LIGHT	200 SF	339 SF	1.69
KITCHEN	BUSINESS GROUP B	KITCHEN, COMMERCIAL LIGHT	200 SF	640 SF	3.20
KITCHEN	BUSINESS GROUP B	KITCHEN, COMMERCIAL LIGHT	200 SF	340 SF	1.70
KITCHEN	BUSINESS GROUP B	KITCHEN, COMMERCIAL LIGHT	200 SF	340 SF	1.70
KITCHEN	BUSINESS GROUP B	KITCHEN, COMMERCIAL LIGHT	200 SF	255 SF	1.27
LOCKERS	BUSINESS GROUP B	LOCKERS	50 SF	180 SF	3.60
LOCKERS	BUSINESS GROUP B	LOCKERS	50 SF	448 SF	8.95
					37.57



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### REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

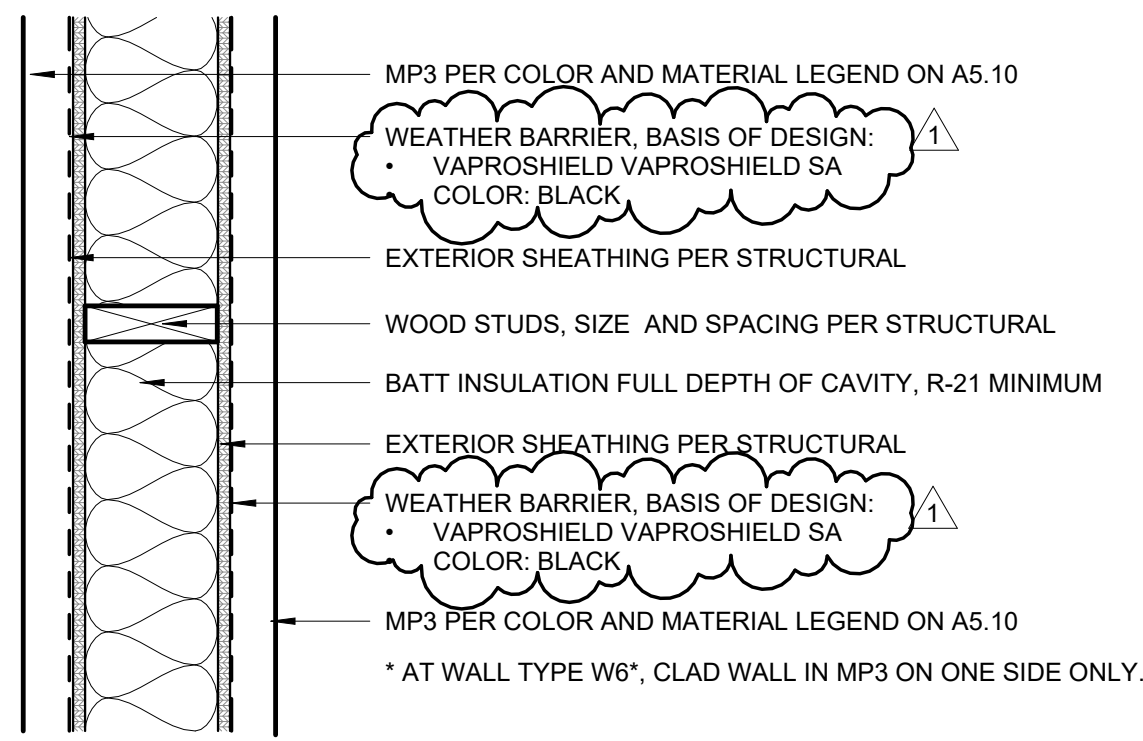
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 CODE ANALYSIS AND LIFE SAFETY PLAN

SHEET NO.

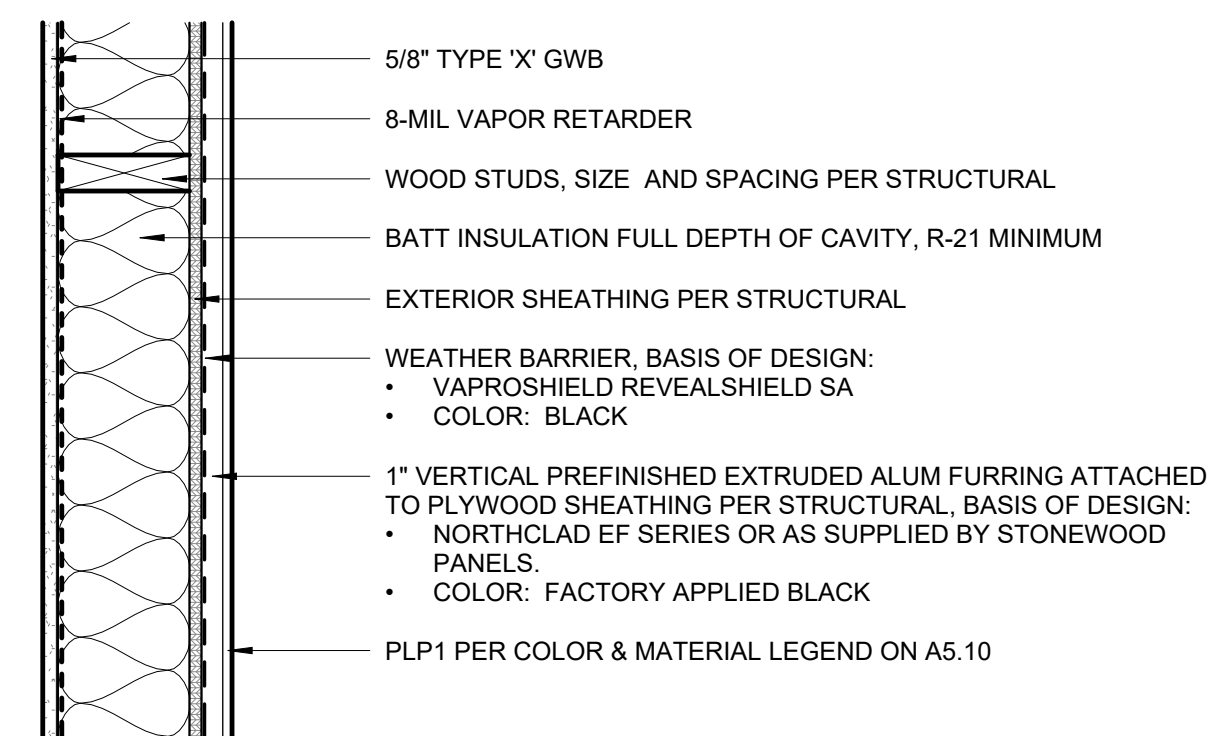
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## EXTERIOR WALL ASSEMBLIES

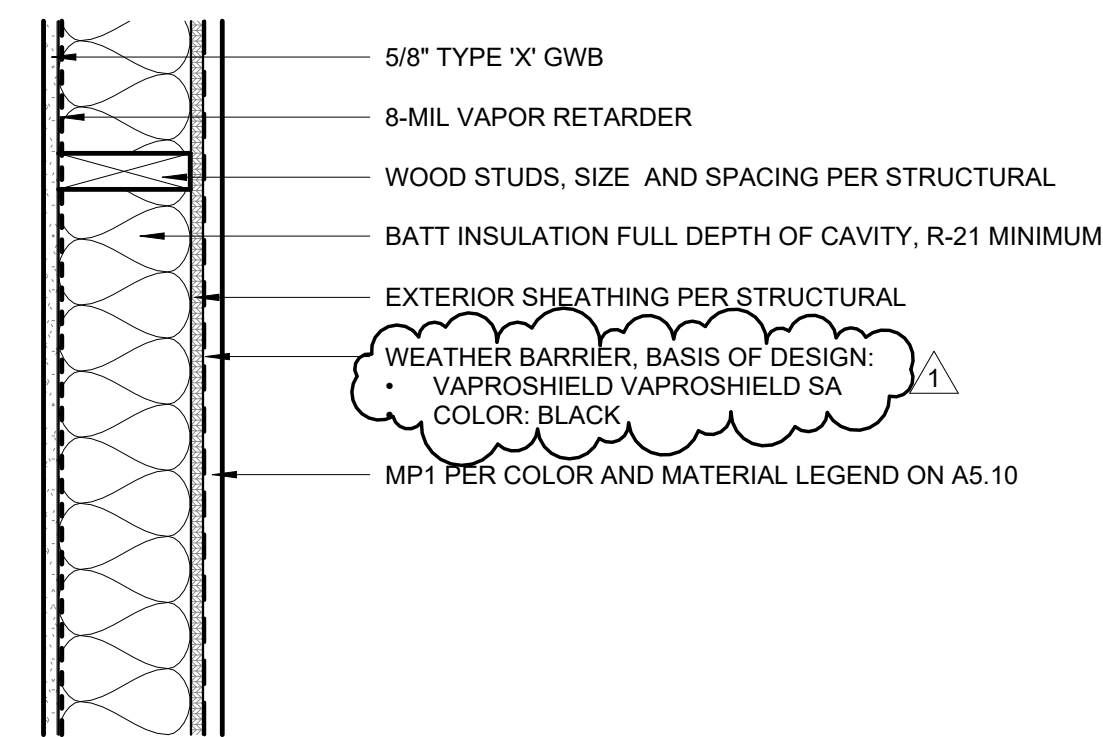
### WALL TYPE W\*: METAL SIDING (COLOR)



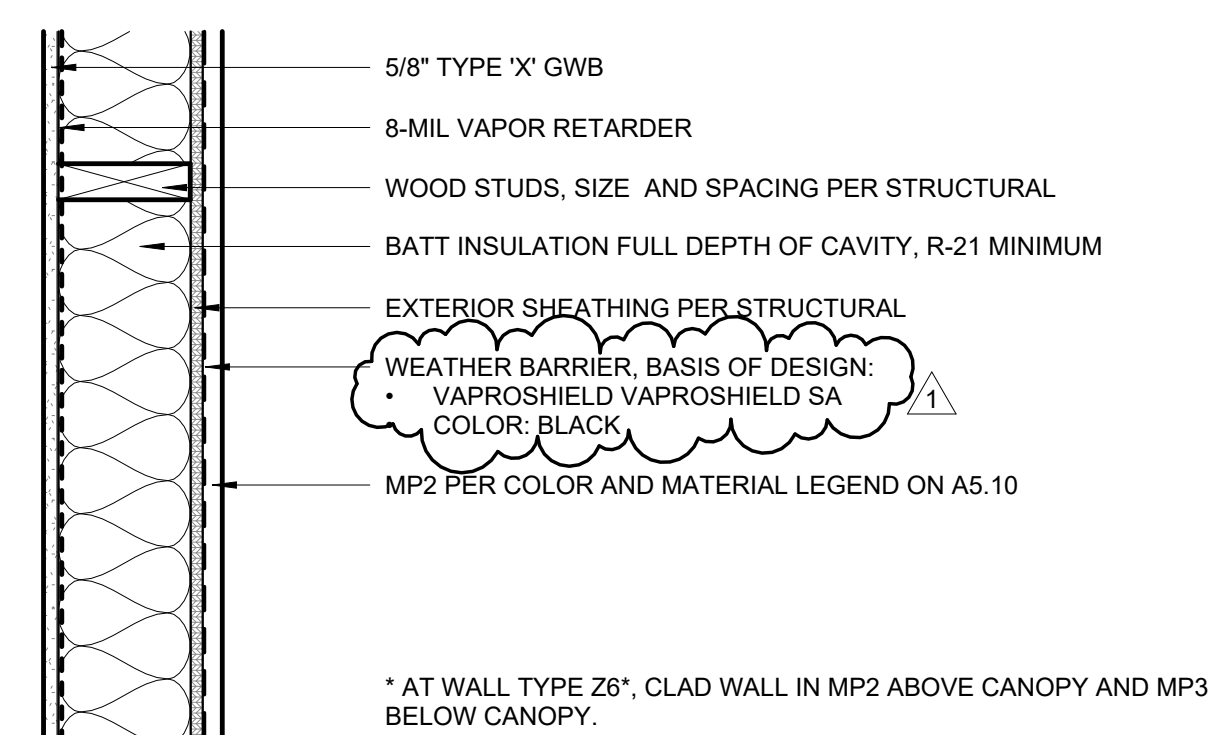
### WALL TYPE X: PLP (WOOD AESTHETIC)



### WALL TYPE Y: METAL SIDING (BLACK)

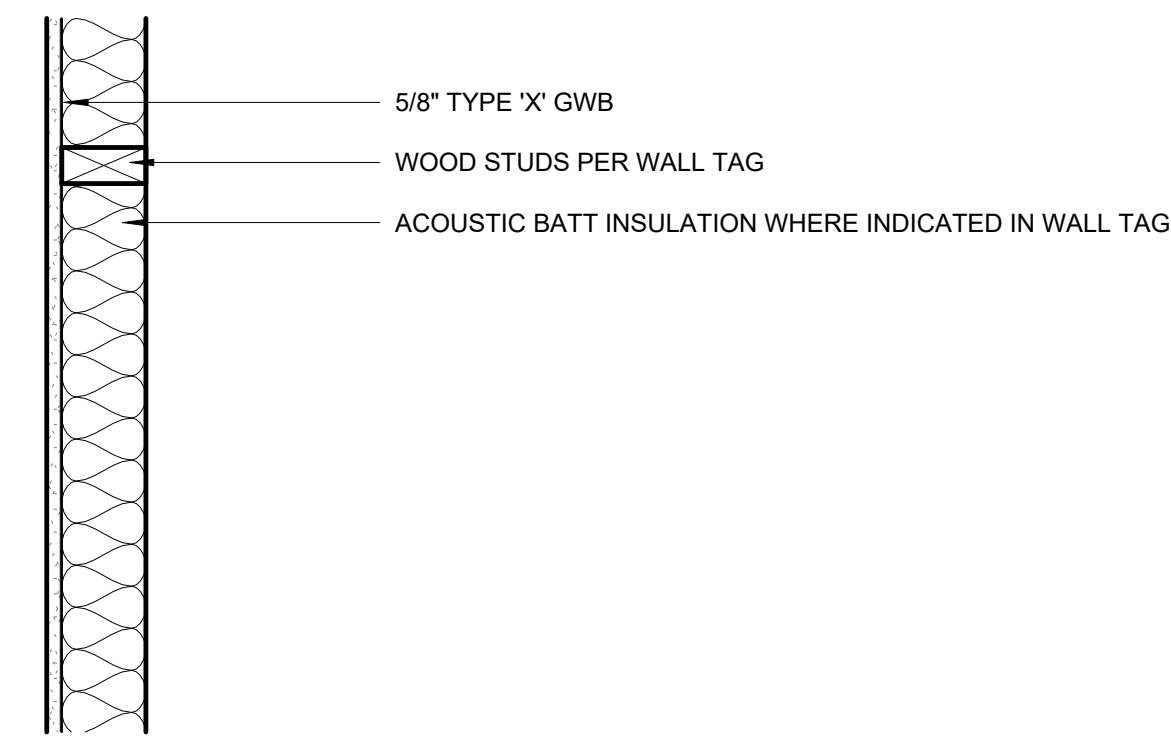


### WALL TYPE Z\*: METAL SIDING (GREY)



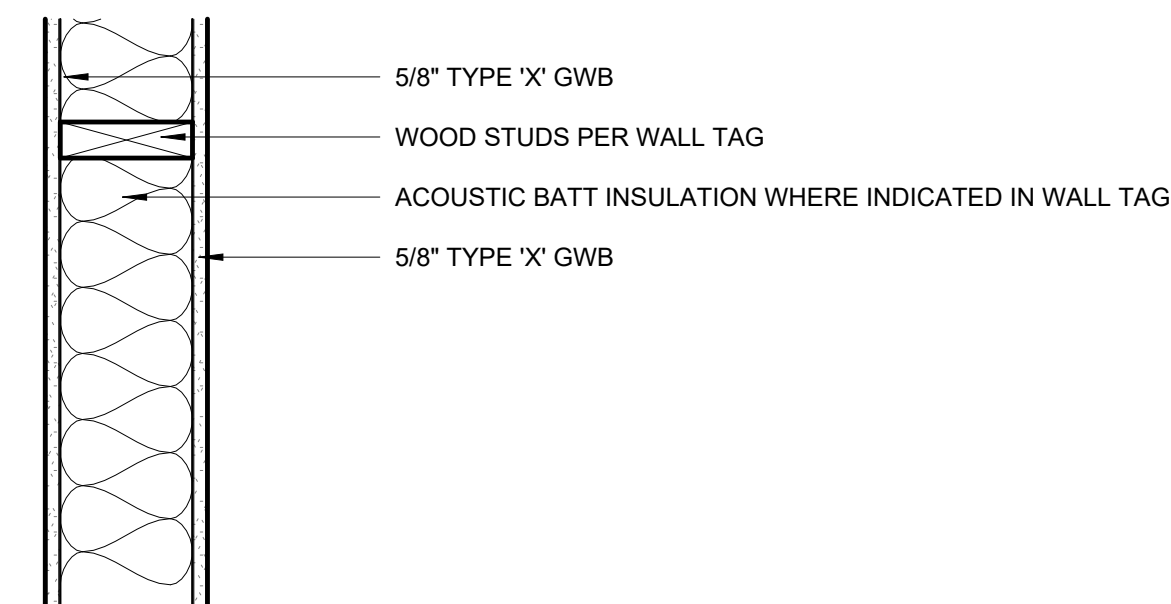
## INTERIOR WALL ASSEMBLIES

### WALL TYPE A

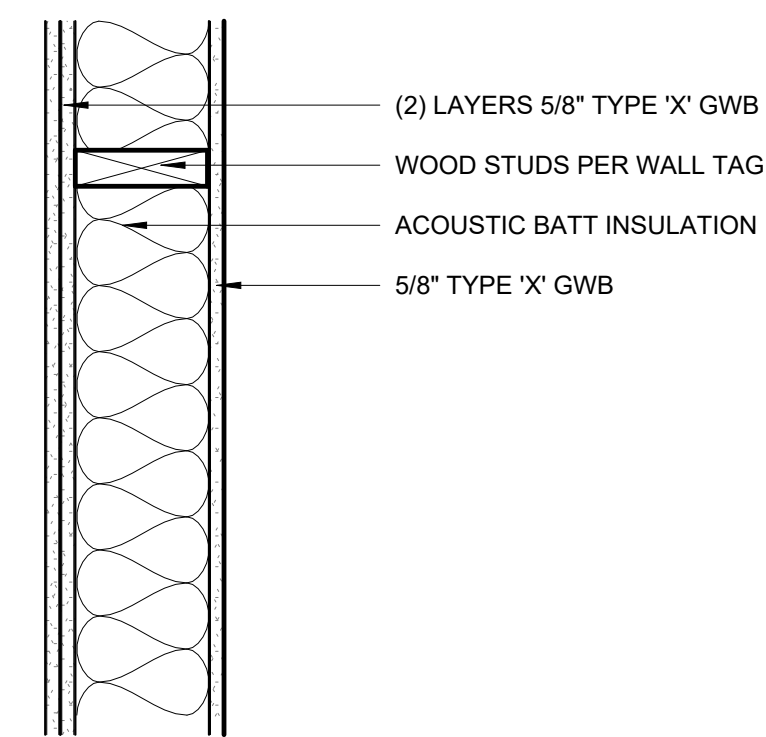


### WALL TYPE B

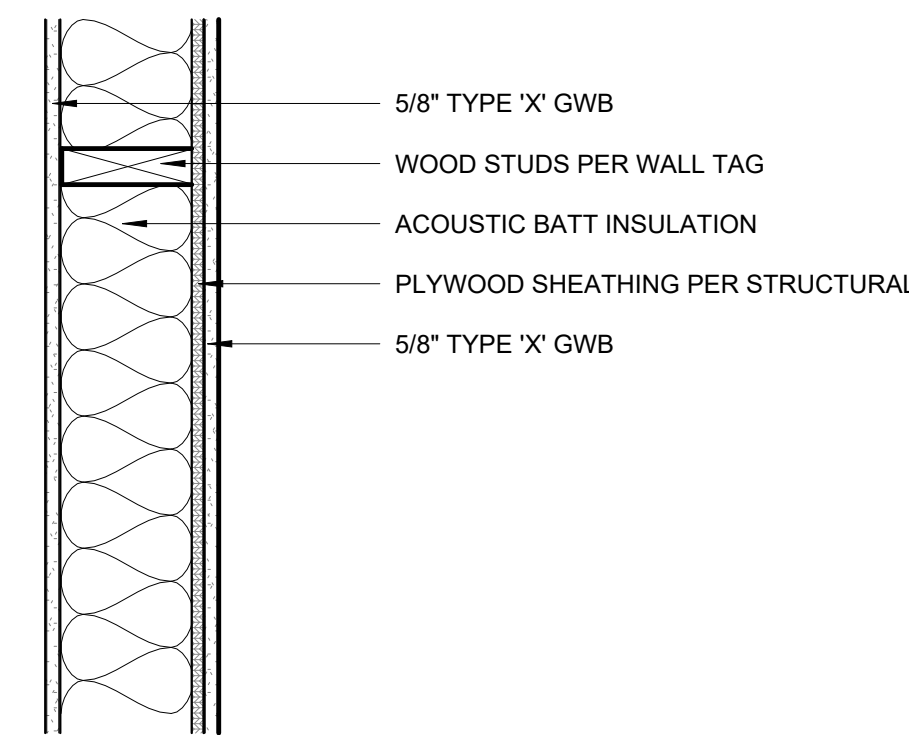
RATING REF: GA WP 3644 / GA WP 3661  
 FIRE RATING: 1-HOUR WHERE INDICATED ON G1.01  
 STC: N/A



### WALL TYPE C



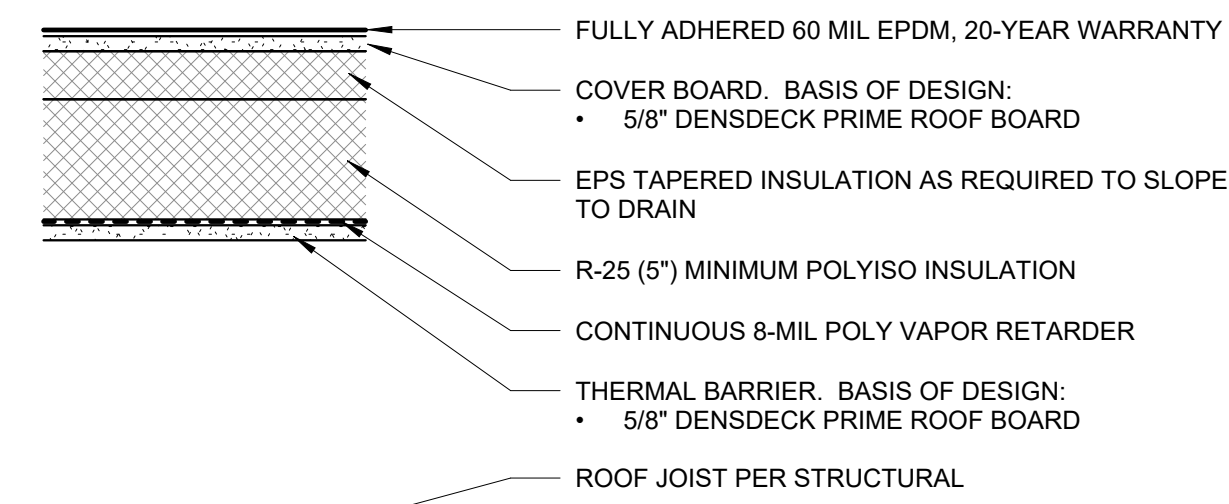
### WALL TYPE D



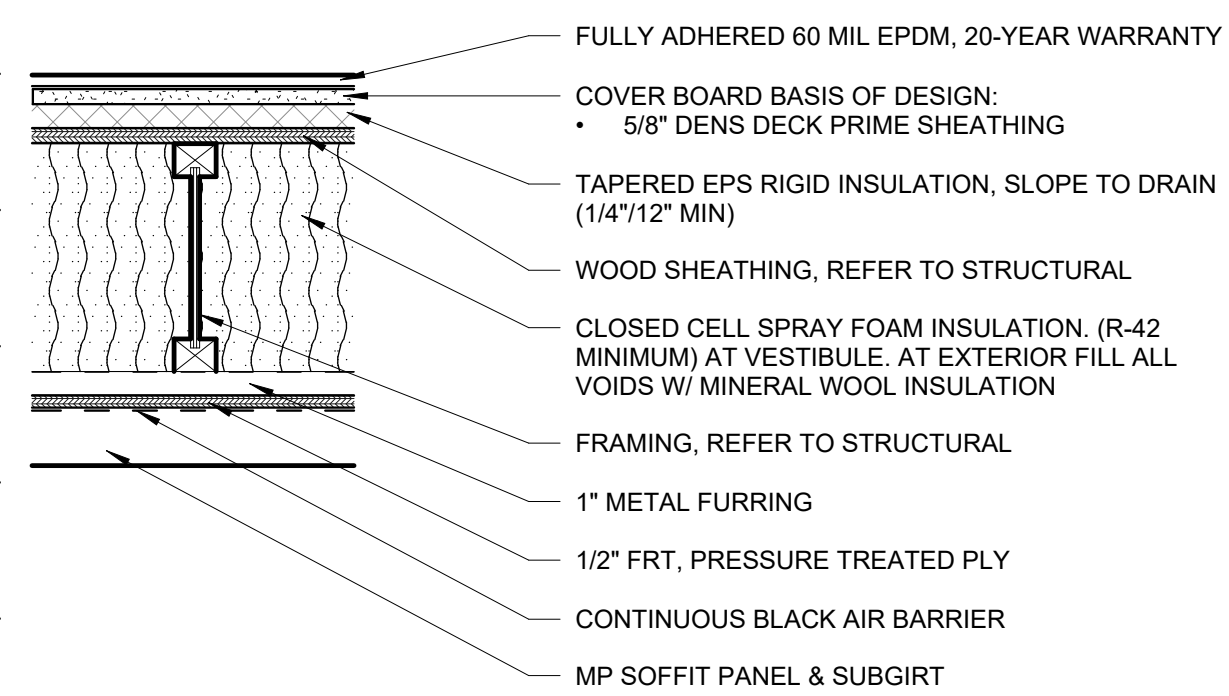
## ROOF ASSEMBLIES

### FLAT ROOF ASSEMBLY: R1

R-38 MINIMUM; CLASS C ROOF COVERING PER TABLE 1505.1

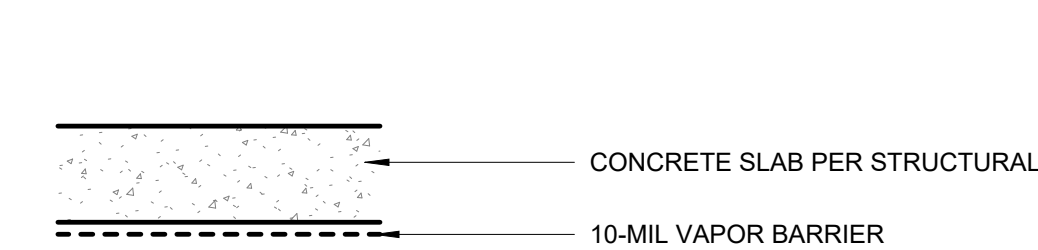


### CANOPY ROOF ASSEMBLY: C1

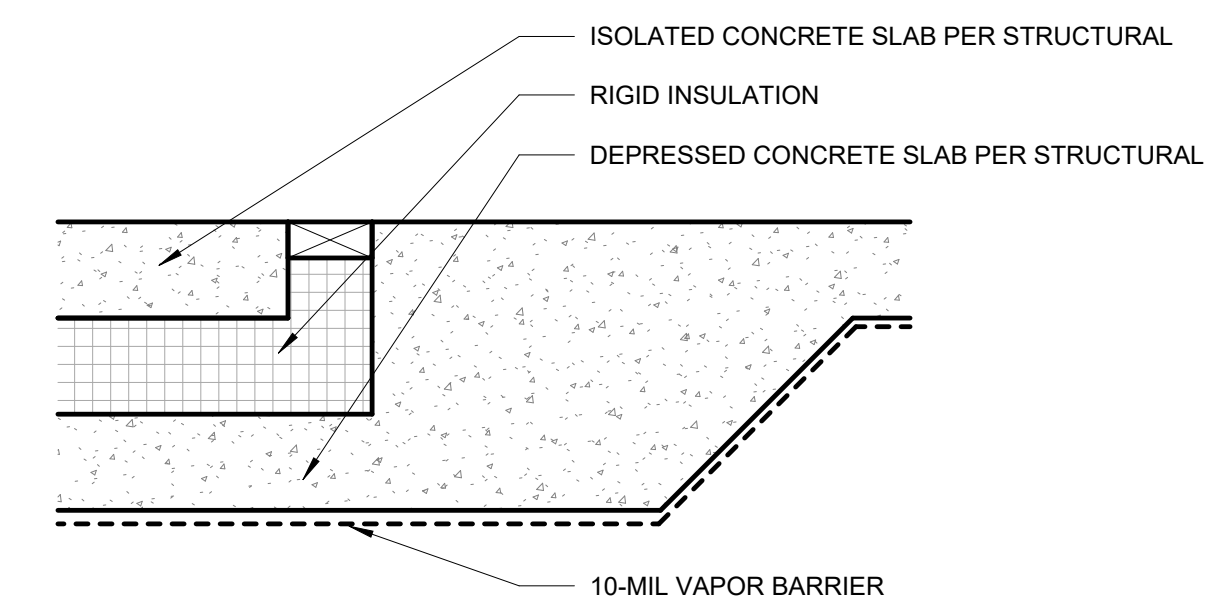


## FLOOR ASSEMBLIES

### FLOOR ASSEMBLY: F1

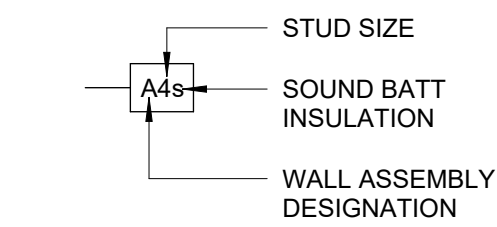


### FLOOR ASSEMBLY: F2



## LEGEND AND NOTES

### WALL TAG LEGEND



### STUD DIMENSIONS

4 = 4" NOMINAL (3 1/2" ACTUAL) WOOD STUD  
 6 = 6" NOMINAL (5 1/2" ACTUAL) WOOD STUD  
 8 = 8" NOMINAL (7 1/4" ACTUAL) WOOD STUD

### GENERAL NOTES:

- ALL DIMENSIONS ARE TO FACE OF STUD, CONCRETE, OR CMU U.O.N. DIMENSIONS ARE TO THE MAIN FRAMING MEMBER AND NOT TO THE FACE OF FURRING.
- FINISH MATERIALS SUCH AS STONE, TILE, WALL COVERINGS, ETC. ARE NOT SHOWN AS PART OF THE ASSEMBLY. REFER TO INTERIOR DRAWINGS AND/OR FINISH SCHEDULE FOR FINISH MATERIALS.
- PARTITIONS EXTENDING TO UNDERSIDE OF STRUCTURE ARE INDICATED ON REFLECTED CEILING PLANS. ALL PARTITIONS EXTENDING TO UNDERSIDE OF STRUCTURE SHALL HAVE A DEFLECTION TRACK.
- SEE STRUCTURAL FOR GENERAL STUD SPACING REQUIREMENTS AND SPACING AT STRUCTURAL WALLS.
- ALL GWB IS 5/8" TYPE 'X' UNLESS OTHERWISE NOTED. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR GWB TYPES.
- ALL PENETRATIONS THROUGH ASSEMBLIES WITH SOUND BATT INSULATION SHALL BE ACOUSTICALLY SEALED.
- MULTIPLE LAYERS OF GWB SHALL BE INSTALLED ON SAME SIDE OF WALL AS WALL TAG.
- AT ALL TILE LOCATIONS REPLACE 5/8" GWB WITH CEMENT BACKER BOARD, TYPICAL.

### ACOUSTIC NOTES:

- ACOUSTICAL WALLS EXTENDING FULL HEIGHT ARE SHOWN ON THE RCP.
- ALL ACOUSTICAL WALL ASSEMBLIES SHALL RECEIVE ACOUSTIC BATT INSULATION WITHIN STUD CAVITIES.
- APPLY PUTTY PAD BEHIND EACH BACK BOX FOR POWER, SIGNAL, TELECOM, ETC.
- CONDUIT THAT MAY BRIDGE ACROSS STUD ROWS MUST BE FLEXIBLE AND GROSSLY SLACK.
- CAULK BOTH SIDES OF WALL WITH ACOUSTICAL SEALANT FULL PERIMETER. NOT REQUIRED BEYOND 48" ABOVE ACOUSTICAL TILE CEILING.
- CAULK BOTH SIDES OF WALL WITH ACOUSTICAL SEALANT AROUND FULL PERIMETER OF PENETRATIONS.



CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

**spark design, llc**  
 architecture • interiors • design-build  
 5401 cordova street, suite 301  
 anchorage, alaska 99518  
 p. 907.344.3424 f. 907.771.9776

ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 ASSEMBLY TYPES

SHEET NO.  
**G2.00**

**LINE, SYMBOL, AND HATCH LEGEND**

PROPOSED	EXISTING	
— UGE —	— COM —	UNDERGROUND COMMUNICATIONS LINE
— SD —	— UGE —	UNDERGROUND ELECTRIC LINE
— SS —	— S —	UNDERGROUND STORM DRAIN
— W —	— W —	UNDERGROUND SEWER DRAIN
— 90 —	— 90 —	UNDERGROUND WATER LINE
	---	CONTOUR
	---	PROPERTY LINE
	---	EASEMENT LINE
	[E]	ELECTRIC TRANSFORMER
	[ ]	FENCE
	[ ]	FIRE HYDRANT
	[ ]	SURFACE DRAINAGE FLOW DIRECTION
	[ ]	LUMINARE
	[ ]	SANITARY SEWER MANHOLE
	[ ]	WATER VALVE
	[ ]	STORM DRAIN MANHOLE
	[ ]	SANITARY SEWER CLEAN OUT
	[ ]	STORM DRAIN CLEAN OUT
[ ]	[ ]	ASPHALT PAVEMENT
[ ]	[ ]	CONCRETE
[ ]	[ ]	SNOW STORAGE AREA
[ ]	[ ]	VEGETATION

**ABBREVIATIONS**

AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT
APPROX	APPROXIMATE
ASPH	ASPHALT
BLDG	BUILDING
BOP	BOTTOM OF PIPE
CONC	CONCRETE
DEMO	DEMOLITION
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DTL	DETAIL
(E)	EXISTING
E	EASTING
EA	EACH
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EXIST	EXISTING
FDN	FOUNDATION
FF	FINISHED FLOOR
FH	FIRE HYDRANT
F&I	FURNISH AND INSTALL
FG	FINISH GRADE
FT	FEET
GB	GRADE BREAK
GV	GATE VALVE
H	HORIZONTAL
INV	INVERT
L	LENGTH
LF	LINEAL FEET
LT	LEFT
M.A.S.S.	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
MOA	MUNICIPALITY OF ANCHORAGE
N	NORTHING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTER DIAMETER
PCC	PORTLAND CEMENT CONCRETE
PVC	POLYVINYL CHLORIDE
R	RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RT	RIGHT
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SQ	SQUARE
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SDWK	SIDEWALK
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
T	THICKNESS
TBC	TOP BACK CURB
TYP	TYPICAL
V	VERTICAL
VB	VALVE BOX

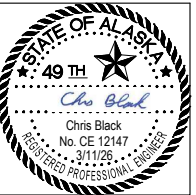
**GENERAL NOTES:**

- ALL CIVIL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, STREET-DRAINAGE-UTILITIES-PARKS (2015) (M.A.S.S.) AND THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY ALL SURVEY CONTROL, GRADES, INVERTS, STATIONING AND ALIGNMENTS PRIOR TO CONSTRUCTION AND ADVISE OF ANY DISCREPANCIES BETWEEN THE CONTRACT SURVEY AND THE DESIGN DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE AND OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE FOLLOWING PERMITS AND SPECIFICATIONS SHALL BE MAINTAINED AND BE POSTED AT THE JOB SITE IN A VISIBLE LOCATION:
  - MOA CONSTRUCTION PERMITS
  - STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
- THE CONTRACTOR SHALL PROVIDE SOURCE OF FILL MATERIAL, DISPOSAL SITES AND HAUL ROUTES TO MOA AND OWNER PRIOR TO MOA CONSTRUCTION PERMIT APPROVAL.
- THE CONTRACTOR SHALL FOLLOW ALL MOA REGULATIONS FOR NOISE, HOURS OF OPERATION, AND DUST CONTROL.
- DEWATERING WILL BE REQUIRED FOR ALL EXCAVATIONS THAT PENETRATE THE GROUND WATER SURFACE AND/OR TO REMOVE STORM WATER FROM BOTTOM OF HOLE. ALL RELATED COSTS ARE THE CONTRACTOR'S RESPONSIBILITY.
- THERE SHALL BE NO OVER EXCAVATION OR MINING OF MATERIALS UNLESS APPROVED IN WRITING BY THE OWNER.
- A GEOTECHNICAL ENGINEERING REPORT FOR THE ACLT KITCHEN SITE IN ANCHORAGE, AK, DATED MARCH 2025, WAS PREPARED BY NORTHERN GEOTECHNICAL ENGINEERING, INC. D.B.A. TERRA FIRMA TESTING FOR SPARK DESIGN, LLC.
- ALL DAMAGE TO THE PROPERTY THAT IS CAUSED BY OR THAT RESULTS FROM CARRYING OUT OF THE WORK, OR FROM ANY ACT, OMISSION, OR NEGLIGENCE OF THE CONTRACTOR, HIS SUBCONTRACTORS, OR HIS EMPLOYEES, SHALL PROMPTLY BE REMEDIED BY THE CONTRACTOR EITHER BY REPAIRING, REBUILDING, OR REPLACING OF THE PROPERTY DAMAGED OR IN SOME OTHER MANNER SATISFACTORY TO THE OWNER AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- WORK AREA SHALL BE SECURED TO PREVENT ACCESS AND INTERACTION BETWEEN PUBLIC AND ALL CONSTRUCTION ACTIVITIES.

**STANDARD DETAILS:**

THE FOLLOWING M.A.S.S. STANDARD DETAILS APPLY TO THIS PROJECT:

20-8	TRENCH BACKFILL AND BEDDING
20-10	CLASS "B" BEDDING MATERIAL
20-14	TYPE II CLASSIFIED FILL AND BACKFILL
20-15	TYPE II-A CLASSIFIED FILL AND BACKFILL
20-18	LEVELING COURSE
50-01	SANITARY MANHOLE - TYPE A
50-08	MANHOLE COVER
50-09	MANHOLE FRAME
55-4	STORM DRAIN MANHOLE TYPE I PIPE ≤ 24"
55-7	STORM DRAIN MANHOLE COVER
55-8	STORM DRAIN TOP INTAKE COVER
55-9	STORM DRAIN BEEHIVE INTAKE COVER
60-03	TRACER WIRE
60-08	TYPICAL VALVE BOX (VB)
60-10	SINGLE PUMPER "L" BASE FIRE HYDRANT ASSEMBLY
60-20	ANODE DETAIL
70-36	STEEL BOLLARD



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC. #AEC111



**ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA**

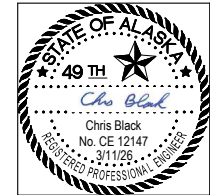
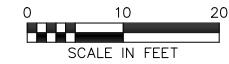
REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO.	3194.01
DATE	2026.03.11
DRAWN	JD
REVIEWED	CWB

SHEET NAME  
CIVIL NOTES, LEGEND AND ABBREVIATIONS

SHEET NO.  
**C1.0**





CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC #AECC111



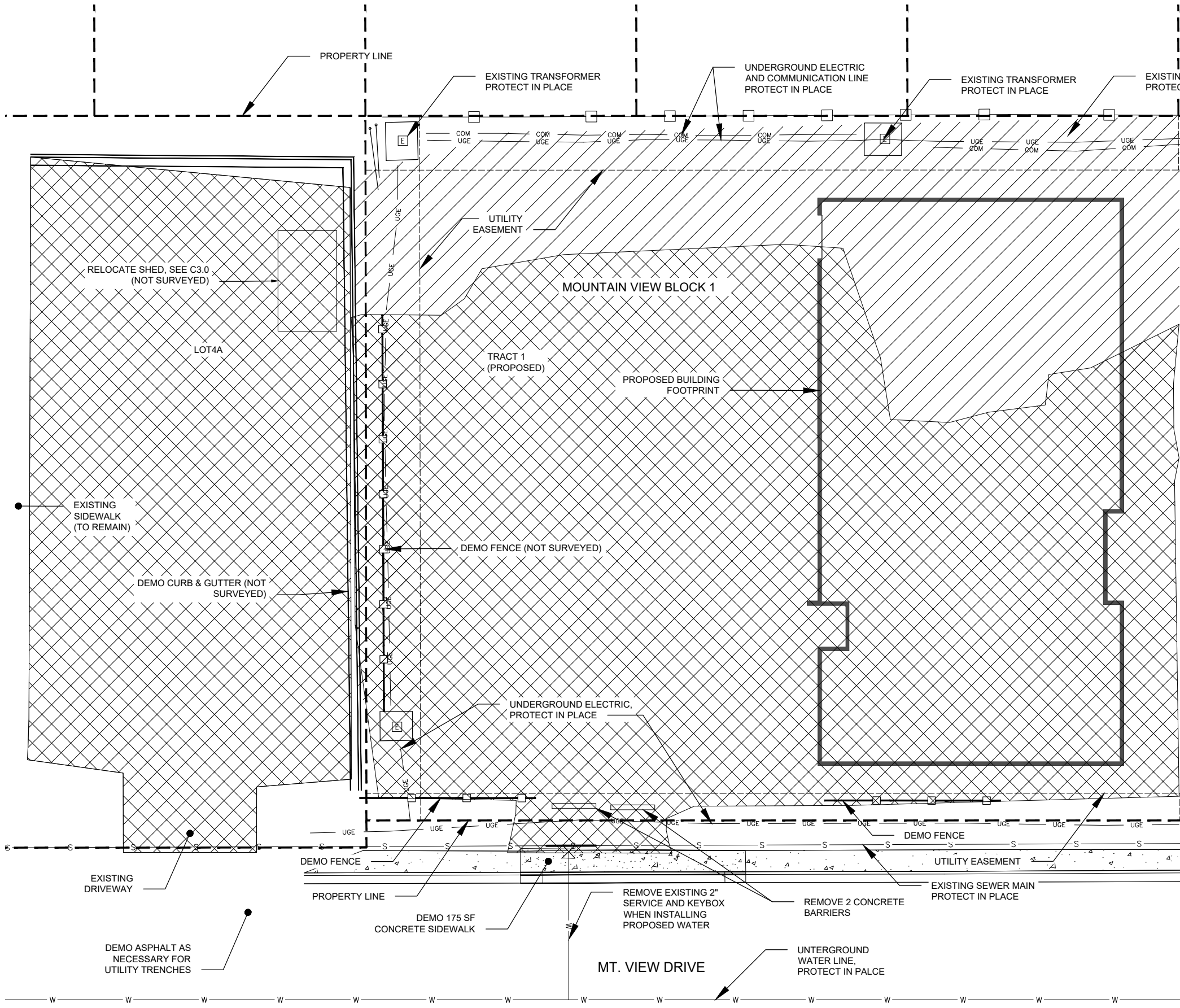
**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO.	3194.01
DATE	2026.03.11
DRAWN	JD
REVIEWED	CWB

SHEET NAME  
EXISTING SITE & DEMOLITION PLAN

SHEET NO.  
**C2.0**



**CIVIL DEMOLITION NOTES:**

1. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL OBTAIN UTILITY FIELD LOCATES PRIOR TO EXCAVATION OR GRADING ACTIVITIES. VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD SAME ON CONTRACTOR AS BUILT DRAWINGS.
2. ALL EXISTING SITE IMPROVEMENTS SHALL BE LEFT IN PLACE AND PROTECTED UNLESS NOTED OTHERWISE.
3. ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE PROJECT SITE AND SHALL BE DISPOSED OF BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY AT THE END OF EVERY SHIFT OR WITHIN 12 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.

**CIVIL DEMOLITION ITEMS:**

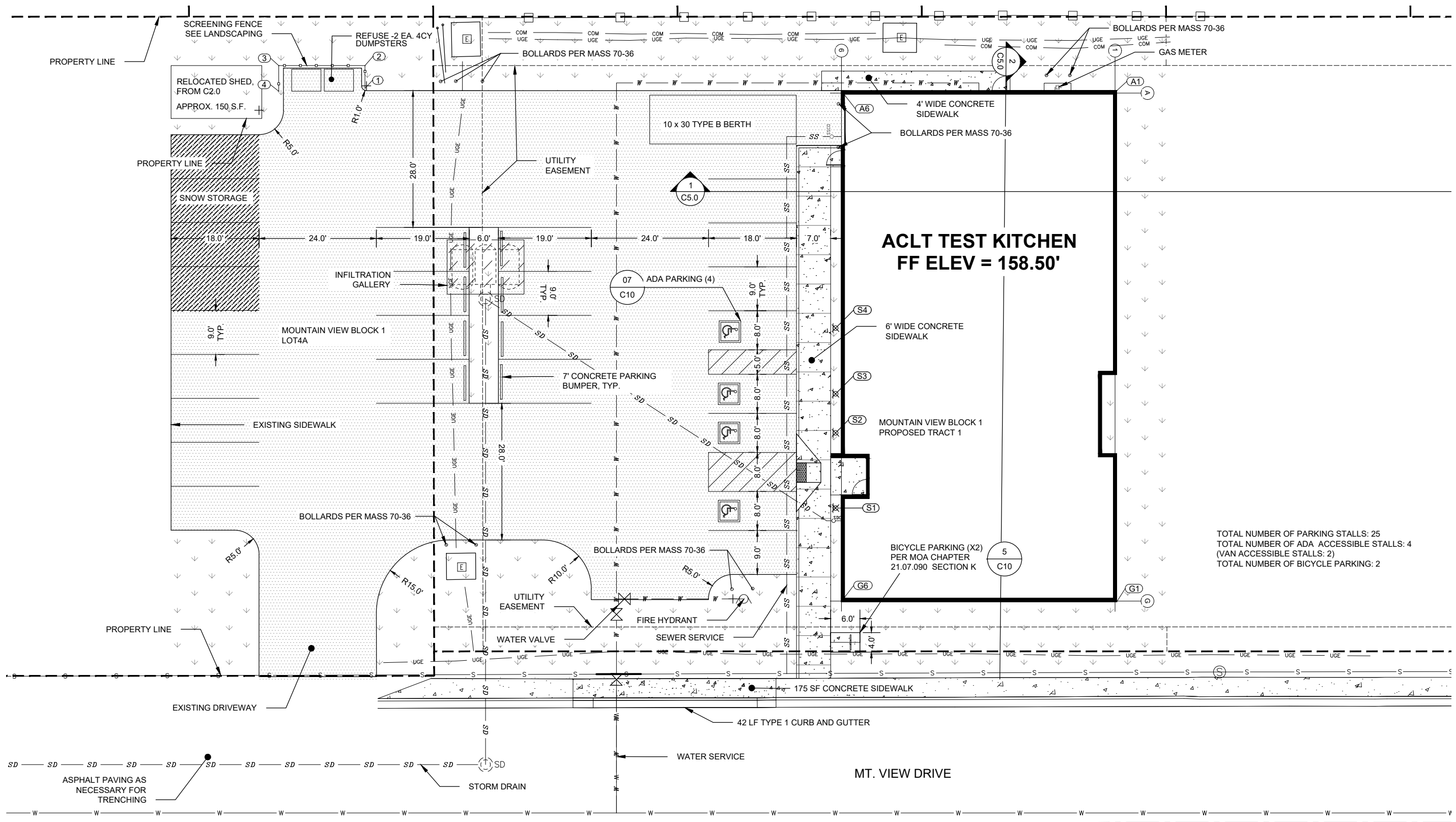
- ASPHALT REMOVAL:  
REMOVE AND DISPOSE OF APPROX 20,100 SF OF ASPHALT.
- CLEARING:  
CLEAR APPROXIMATELY 6000 SF.
- CURB & GUTTER DEMOLITION:  
REMOVE AND DISPOSE OF APPROX 222 LF OF CURB & GUTTER.
- EXISTING FENCE:  
REMOVE AND DISPOSE OF APPROX 125 LF OF FENCE.



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC. #AEC111

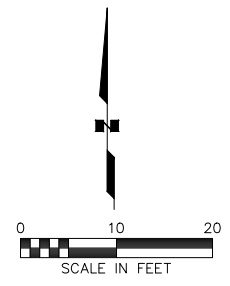


**ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA**



TOTAL NUMBER OF PARKING STALLS: 25  
 TOTAL NUMBER OF ADA ACCESSIBLE STALLS: 4  
 (VAN ACCESSIBLE STALLS: 2)  
 TOTAL NUMBER OF BICYCLE PARKING: 2

ASPHALT PAVING AS NECESSARY FOR TRENCHING



SITE COORDINATES		
POINT #	NORTHING	EASTING
S1	2639456.54	1673782.22
S2	2639471.94	1673782.22
S3	2639479.94	1673782.22
S4	2639493.39	1673782.22

SIGN TABLE			
SIGN POST #	SIGN TYPE	SIZE (IN)	DESCRIPTION
S1	R7-8 R7-8P	12x18 12x6	RESERVED PARKING FOR HANDICAPPED VAN ACCESSIBLE
S2	R7-8 R7-8P	12x18 12x6	RESERVED PARKING FOR HANDICAPPED VAN ACCESSIBLE
S3	R7-8	12x18	RESERVED PARKING FOR HANDICAPPED ACCESSIBLE
S4	R7-8	12x18	RESERVED PARKING FOR HANDICAPPED ACCESSIBLE

BUILDING GRID COORDINATES		
POINT #	NORTHING	EASTING
A1	2639542.03	1673839.78
A6	2639542.02	1673783.36
G1	2639437.36	1673839.79
G6	2639437.36	1673783.37

- SIGNING & STRIPING GENERAL NOTES:**
- A. ALL SIGNAGE, STRIPING, AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  - B. AN ACCESS AISLE CAN BE SHARED BY 2 HANDICAP SPACES.
  - C. SIGN POSTS PER MASS 70-31.

- NOTES:**
- A. NO SURVEY WAS PERFORMED FOR LT4A.

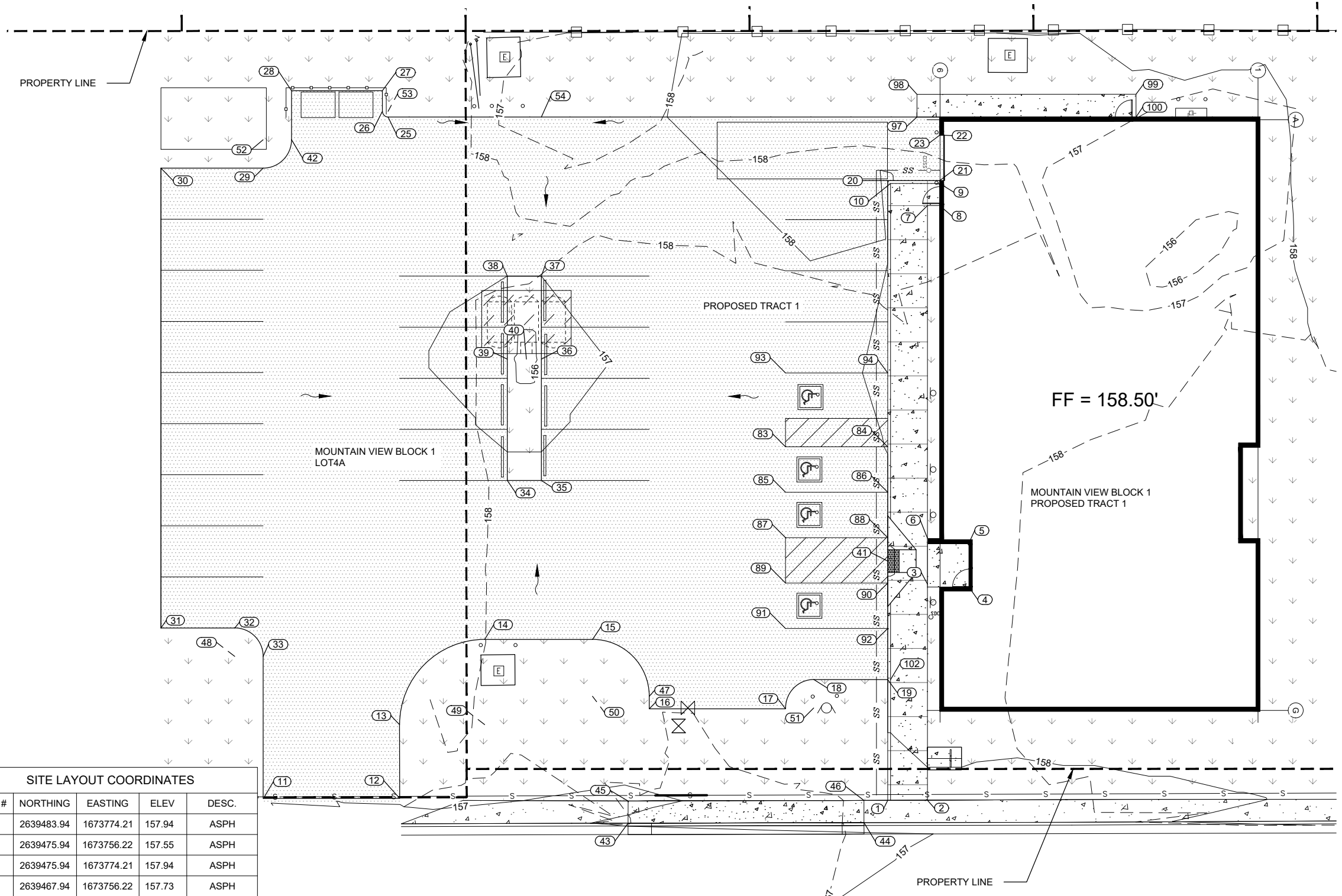
REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 3194.01  
 DATE 2026.03.11  
 DRAWN JD  
 REVIEWED CWB

SHEET NAME  
 SITE LAYOUT PLAN

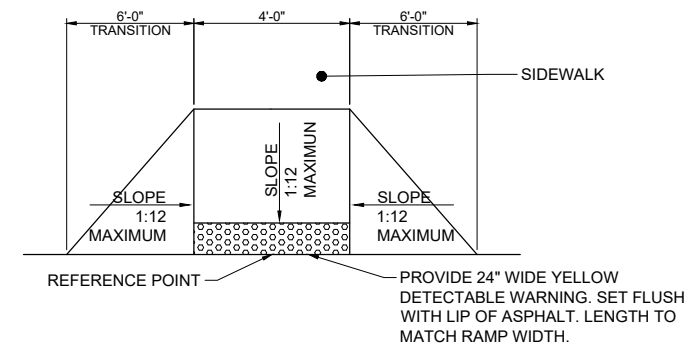
SHEET NO.  
**C3.0**

SITE LAYOUT COORDINATES				
POINT #	NORTHING	EASTING	ELEV	DESC.
1	2639421.67	1673774.22	157.44	SDWK
2	2639421.69	1673781.22	157.52	SDWK
3	2639459.75	1673781.22	158.45	SDWK
4	2639459.23	1673788.52	158.50	SDWK
5	2639466.72	1673788.40	158.50	SDWK
6	2639467.83	1673781.22	158.45	SDWK
7	2639526.42	1673781.22	158.50	SDWK
8	2639526.42	1673783.36	158.50	SDWK
9	2639530.31	1673783.36	158.44	TBC
10	2639530.31	1673774.72	158.44	TBC
11	2639422.01	1673664.27	157.03**	ASPH
12	2639422.01	1673688.27	157.10**	ASPH
13	2639435.01	1673688.24	157.34	ASPH
14	2639450.01	1673703.24	157.75	ASPH
15	2639450.01	1673722.22	157.75	ASPH
16	2639437.79	1673732.22	157.39	ASPH
17	2639437.79	1673756.22	157.41	ASPH
18	2639442.94	1673761.22	157.54	ASPH
19	2639442.94	1673774.21	157.94	ASPH
20	2639530.82	1673774.21	157.94	ASPH
21	2639530.82	1673783.36	158.50	ASPH
22	2639538.81	1673784.08	158.50	ASPH
23	2639538.81	1673783.36	158.50	ASPH
25	2639542.02	1673686.22	157.80	ASPH
26	2639543.02	1673685.22	157.81	ASPH
27	2639546.64	1673685.22	157.83	ASPH
28	2639546.64	1673669.22	157.83	ASPH
29	2639533.02	1673664.22	157.91	ASPH
30	2639533.01	1673646.21	158.00**	ASPH
31	2639452.01	1673646.22	158.00**	ASPH
32	2639452.02	1673659.22	157.80	ASPH
33	2639447.02	1673664.22	157.69	ASPH
34	2639478.01	1673707.22	157.09	ASPH
35	2639478.01	1673713.22	157.09	ASPH
36	2639499.37	1673713.22	156.77	ASPH
37	2639514.01	1673713.22	157.00	ASPH
38	2639514.01	1673707.22	157.00	ASPH
39	2639499.37	1673707.22	156.77	ASPH
40	2639499.37	1673710.58	155.60	RIM
41	2639463.79	1673774.22	157.94	RAMP
42	2639538.02	1673669.22	157.87	ASPH
43	2639417.64	1673728.48	157.05	TBC
44	2639417.74	1673770.04	157.47	TBC
45	2639421.54	1673728.50	156.92	SDWK
46	2639421.65	1673770.03	157.28	SDWK
47	2639440.01	1673732.22	157.91	ASPH
48	2639447.02	1673659.22	0.00	RP
49	2639435.01	1673703.24	0.00	RP
50	2639440.01	1673722.22	0.00	RP
51	2639437.94	1673761.19	0.00	RP
52	2639538.02	1673664.22	0.00	RP
53	2639543.02	1673686.22	0.00	RP
54	2639542.02	1673713.22	157.78	ASPH
83	2639483.94	1673756.22	157.55	ASPH
84	2639483.94	1673774.21	157.94	ASPH
85	2639475.94	1673756.22	157.55	ASPH
86	2639475.94	1673774.21	157.94	ASPH
87	2639467.94	1673756.22	157.73	ASPH
88	2639467.94	1673774.21	157.94	ASPH
89	2639459.94	1673756.22	157.83	ASPH
90	2639459.94	1673774.21	157.94	ASPH
91	2639451.94	1673756.22	157.69	ASPH
92	2639451.94	1673774.21	157.94	ASPH
93	2639496.94	1673756.22	157.76	ASPH
94	2639496.94	1673774.21	158.08	ASPH
96	2639542.02	1673783.36	158.50	ASPH/SDWK
97	2639542.02	1673779.36	158.44	ASPH/SDWK
98	2639546.02	1673779.36	158.44	SDWK
99	2639546.03	1673817.95	158.44	SDWK
100	2639542.03	1673817.95	158.50	SDWK
102	2639442.94	1673774.72	158.44	TBC

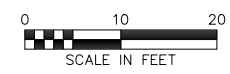


SITE LAYOUT COORDINATES				
POINT #	NORTHING	EASTING	ELEV	DESC.
84	2639483.94	1673774.21	157.94	ASPH
85	2639475.94	1673756.22	157.55	ASPH
86	2639475.94	1673774.21	157.94	ASPH
87	2639467.94	1673756.22	157.73	ASPH
88	2639467.94	1673774.21	157.94	ASPH
89	2639459.94	1673756.22	157.83	ASPH
90	2639459.94	1673774.21	157.94	ASPH
91	2639451.94	1673756.22	157.69	ASPH
92	2639451.94	1673774.21	157.94	ASPH
93	2639496.94	1673756.22	157.76	ASPH
94	2639496.94	1673774.21	158.08	ASPH
96	2639542.02	1673783.36	158.50	ASPH/SDWK
97	2639542.02	1673779.36	158.44	ASPH/SDWK
98	2639546.02	1673779.36	158.44	SDWK
99	2639546.03	1673817.95	158.44	SDWK
100	2639542.03	1673817.95	158.50	SDWK
102	2639442.94	1673774.72	158.44	TBC

\*\* TIE IN TO EXISTING, APPROXIMATE ELEVATION



1 ADA RAMP DETAIL  
C4.0



NOTES:  
NO SURVEY WAS PERFORMED FOR LT4A.



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC. #AECC111

**R&M CONSULTANTS, INC.**  
9101 Vanguard Drive • Anchorage, Alaska • 99507  
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riconsult.com • email: riconsult.com

**ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO.	3194.01
DATE	2026.03.11
DRAWN	JD
REVIEWED	CWB

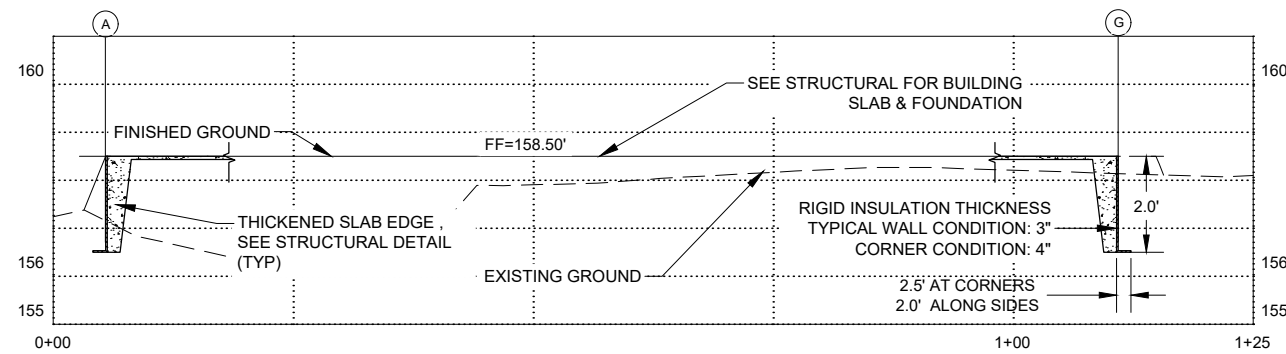
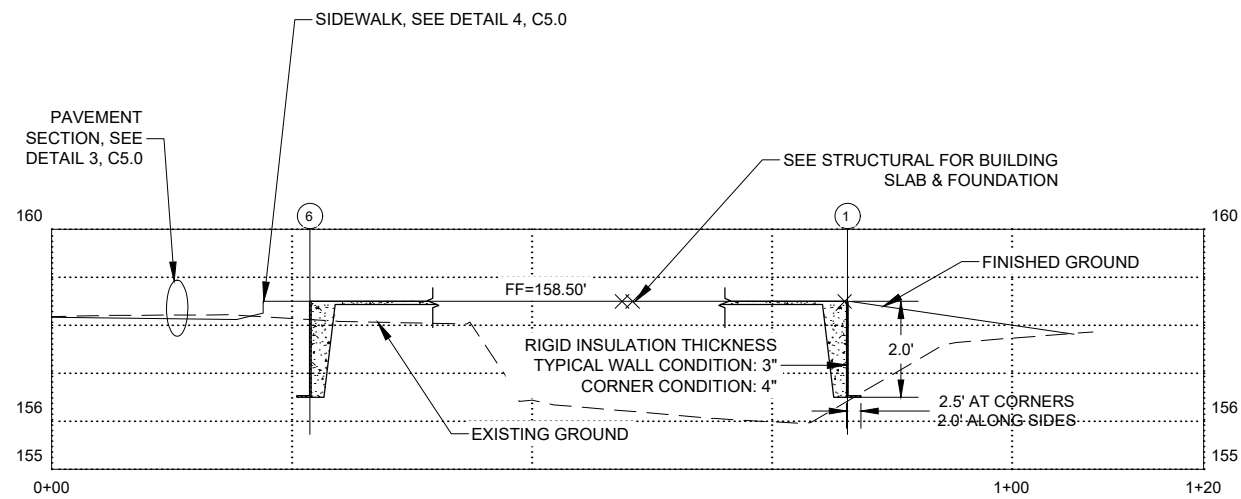
SHEET NAME: SITE GRADING & DRAINAGE PLAN  
SHEET NO. **C4.0**



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC #AECC111



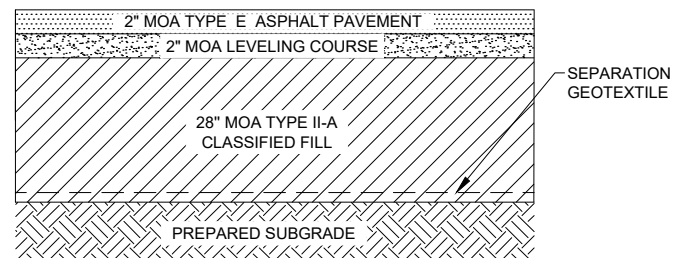
ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA



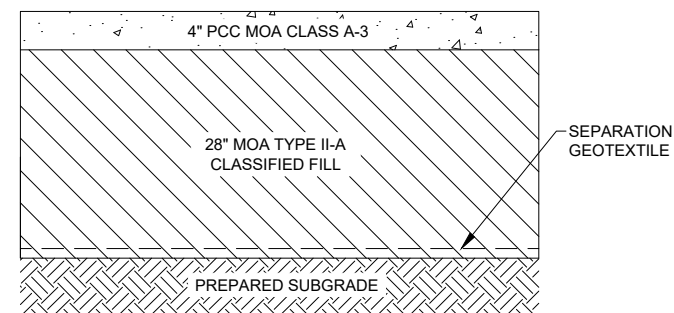
NOTE: FOUNDATION CORNER CONDITIONS APPLY WITHIN 5.0' OF CORNER.

1 SITE SECTION 1: WEST - EAST  
C5.0

2 SITE SECTION 2: NORTH - SOUTH  
C5.0



3 ASPHALT PAVEMENT AREAS  
C5.0 NTS



4 CONCRETE SIDEWALK  
C5.0 NTS

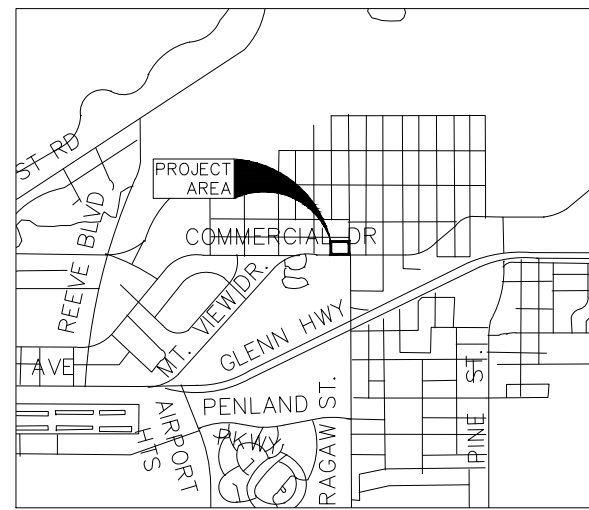
REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 3194.01  
DATE 2026.03.19  
DRAWN JD  
REVIEWED CWB

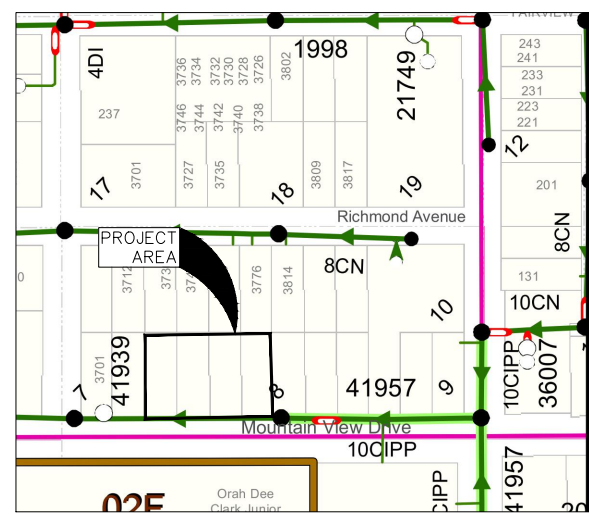
SHEET NAME  
SITE / BUILDING SECTIONS

SHEET NO.  
**C5.0**

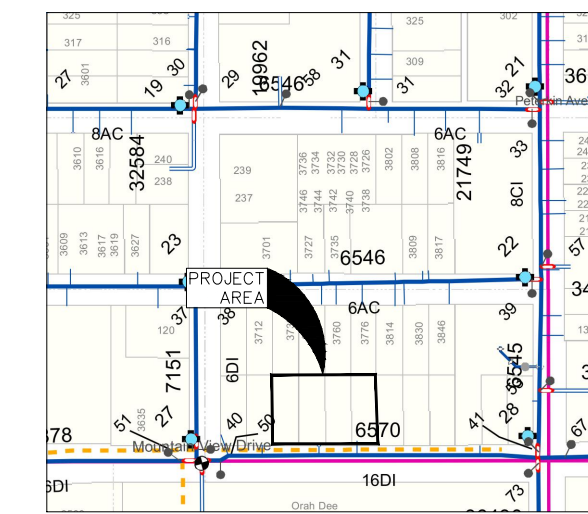
VICINITY MAP SCALE: 1" = 3000'



SEWER KEY MAP SEWER GRID SW1635



WATER KEY MAP WATER GRID SW1635



LINE, SYMBOL, AND HATCH LEGEND:

EXISTING	PROPOSED	
— S —	— SS —	SEWER DRAIN
	— SD —	STORM DRAIN
— W —	— W —	WATER LINE
---		PROPERTY LINE
⊙	⊙ SS	SANITARY SEWER MANHOLE
	⊗	WATER VALVE
	⊙	FIRE HYDRANT
	⊙ SSCO	SANITARY SEWER CLEANOUT

GENERAL WATER/SEWER CONSTRUCTION NOTES:

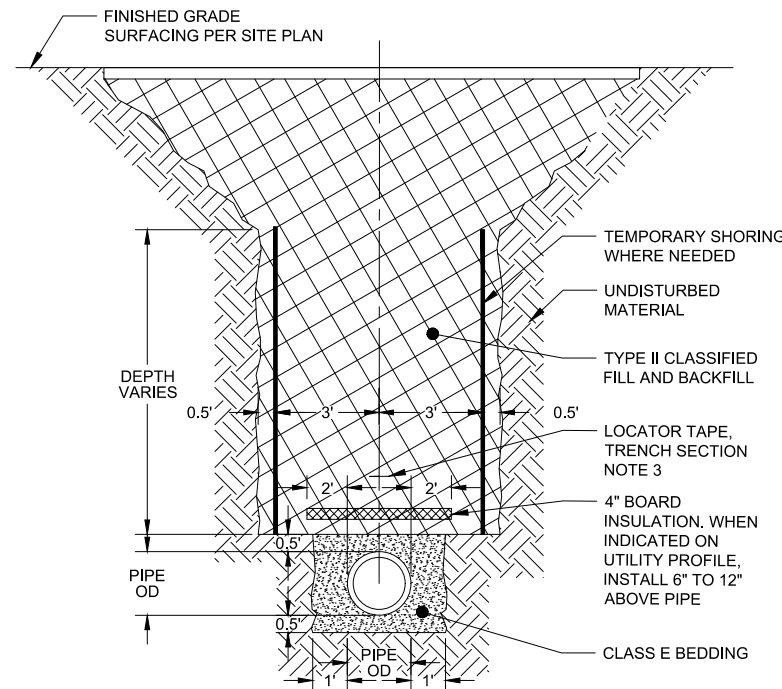
- ALL CONSTRUCTION SHALL BE INSTALLED AS SPECIFIED IN THE MOST CURRENT EDITION OF THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS FOR STREETS-DRAINAGE-UTILITIES-PARKS (MASS), THE AWWU DESIGN AND CONSTRUCTION PRACTICES MANUAL, AND THE SPECIAL PROVISIONS.
- MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL AND EIGHTEEN (18) INCHES VERTICAL SEPARATION BETWEEN OUTSIDE OF WATER AND SANITARY OR STORM SEWER MAINS, STRUCTURES AND SERVICES. SANITARY AND STORM SEWER PIPE JOINTS SHALL BE PLACED AT LEAST NINE (9) FEET FROM ANY WATERLINE CROSSING.
- MAINTAIN A MINIMUM OF 36-INCHES OF VERTICAL SEPARATION BETWEEN OUTSIDE OF ANY STORM SEWER (STORM DRAIN OR FOOTING DRAIN) AND WATERLINE (MAINS OR SERVICES) OR SANITARY SEWER (MAINS OR SERVICES). IF 36-INCHES CANNOT BE MAINTAINED, PROVIDE A MINIMUM OF 4-INCH THICK INSULATION.
- LOCATOR TAPE SHALL BE THE TYPE INDICATED IN MASS 20.13. CONTRACTOR SHALL INSTALL LOCATOR TAPE IN ACCORDANCE WITH MASS 20.13.
- CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION.
- IN CASE OF CONFLICT BETWEEN STATIONING LOCATION OF PIPE OR FITTINGS, USE DIMENSIONED LOCATIONS RELATIVE TO THE CENTERLINE AND PROPERTY LINE, THE DIMENSIONED LOCATIONS SHALL GOVERN.
- THE CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS PRIOR TO CONTRACT FINAL PAYMENT.
- CONTRACTOR SHALL FIELD INSTALL RESTRAINED FITTINGS ON ALL MECHANICAL JOINTS.
- ALL DUCTILE AND CAST IRON PIPE AND FITTINGS SHALL BE ENCASED IN 8-MILS OF POLYETHYLENE WRAP, AS PER MASS SECTION 60.07 "POLYETHYLENE ENCASEMENT."
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.
- THE LOCATIONS OF THE EXISTING FEATURES AND UTILITIES SHOWN IN THESE DRAWINGS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED AND RECORD THEIR LOCATIONS ON THE CONTRACT RECORD DRAWINGS.

SEWER SERVICE CONSTRUCTION NOTES:

- ALL SANITARY SEWER SERVICES SHALL BE DIP CL50.
- SANITARY SEWER SERVICES SHALL BE 4-INCH UNLESS NOTED OTHERWISE ON PLANS. MINIMUM SLOPE FOR 4-INCH SERVICES SHALL BE 2%.
- SANITARY SEWER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY WATER MAIN, WATER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
- ALL BEDDING SHALL BE CLASS 'E'.
- SEWER MAIN AND SERVICE TRENCH BACKFILL AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
- THE CONTRACTOR SHALL RELOCATE ANY SEWER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD MEASURED DISTANCES PRIOR TO FINAL ACCEPTANCE BY AWWU.

WATER SERVICE CONSTRUCTION NOTES:

- NO PIPE LENGTH LESS THAN EIGHT (8') FEET SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR FIRE HYDRANTS OR VALVE LOCATIONS UNLESS RESTRAINED BY USE OF FIELD-LOK GASKETS (OR EQUAL) OR MEG-A-LUG FITTINGS (OR EQUAL).
- WATER MAINS AND SERVICES SHALL BE 6-INCH RJIB PVC DR 18 C900 PIPE OR TYPE K COATED COPPER PIPE UNLESS NOTED ON PLANS.
- THRUST RESTRAINT SHALL BE PROVIDED BY USE OF FIELD-LOK GASKETS (OR EQUAL) OR MEG-A-LUG FITTINGS (OR EQUAL) ON ALL MECHANICAL JOINTS. THE USE OF THRUST BLOCKS WILL NOT BE ALLOWED FOR DUCTILE IRON PIPE, BUT ARE REQUIRED FOR PVC PIPE (DIP FITTINGS).
- WATER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY SANITARY SEWER MAIN, SANITARY SEWER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE
- ALL WATER SERVICE TRENCH BACKFILL AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
- ALL WATER SERVICES SHALL HAVE A MINIMUM OF 10 FEET OF BURY AT ALL POINTS. IF 10 FEET OF BURY CANNOT BE MET INSTALL A LAYER OF INSULATION ABOVE THE PIPE.
- ALL PIPE BEDDING SHALL BE CLASS 'E'.
- THE CONTRACTOR SHALL RELOCATE ANY WATER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD DISTANCES PRIOR TO ACCEPTANCE BY AWWU.



TRENCH SECTION NOTES:

- TRENCH EXCAVATION AND SHORING SHALL COMPLY WITH ALL LOCAL, STATE AND OSHA REGULATIONS AND REQUIREMENTS.
- SLOPE TRENCH WALLS ACCORDING TO THE SOIL CONDITIONS AND O.S.H.A. SAFETY STANDARDS.
- INSTALL LOCATOR TAPE 1.5' ABOVE TOP OF PIPE.

RECORD DRAWING

1. DATA PROVIDED BY: \_\_\_\_\_  
 This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.  
 CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_

2. DATA TRANSFERRED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor—provided data appears to represent the project as constructed.  
 DATA TRANSFER CHECKED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

STANDARD DETAILS:

THE FOLLOWING M.A.S.S. STANDARD DETAILS APPLY TO THIS PROJECT:

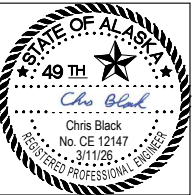
20-8	TRENCH BACKFILL AND BEDDING LAYOUT
20-14	TYPE II CLASSIFIED FILL AND BACKFILL
50-01	SANITARY MANHOLE TYPE A
50-08	SEWER MANHOLE COVER
50-09	MANHOLE FRAME
60-08	TYPICAL VALVE BOX (VB)
60-10	SINGLE PUMPER "L" BASE FIRE HYDRANT ASSEMBLY
60-20	ANODE DETAIL



OWNER:

CONTACT:  
 CHRIS BLACK, P.E.  
 R&M CONSULTANTS, INC.  
 9101 VANGUARD DRIVE  
 ANCHORAGE, AK 99507  
 (907) 522-1707

LEGAL DESCRIPTION:  
 MOUNTAIN VIEW BLOCK 1  
 LOT3W3S2, LOT3M3S2, LOT3ES2



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REVIEWED	CWB

SHEET NAME  
 AWWU CIVIL NOTES, LEGEND  
 AND ABBREVIATIONS

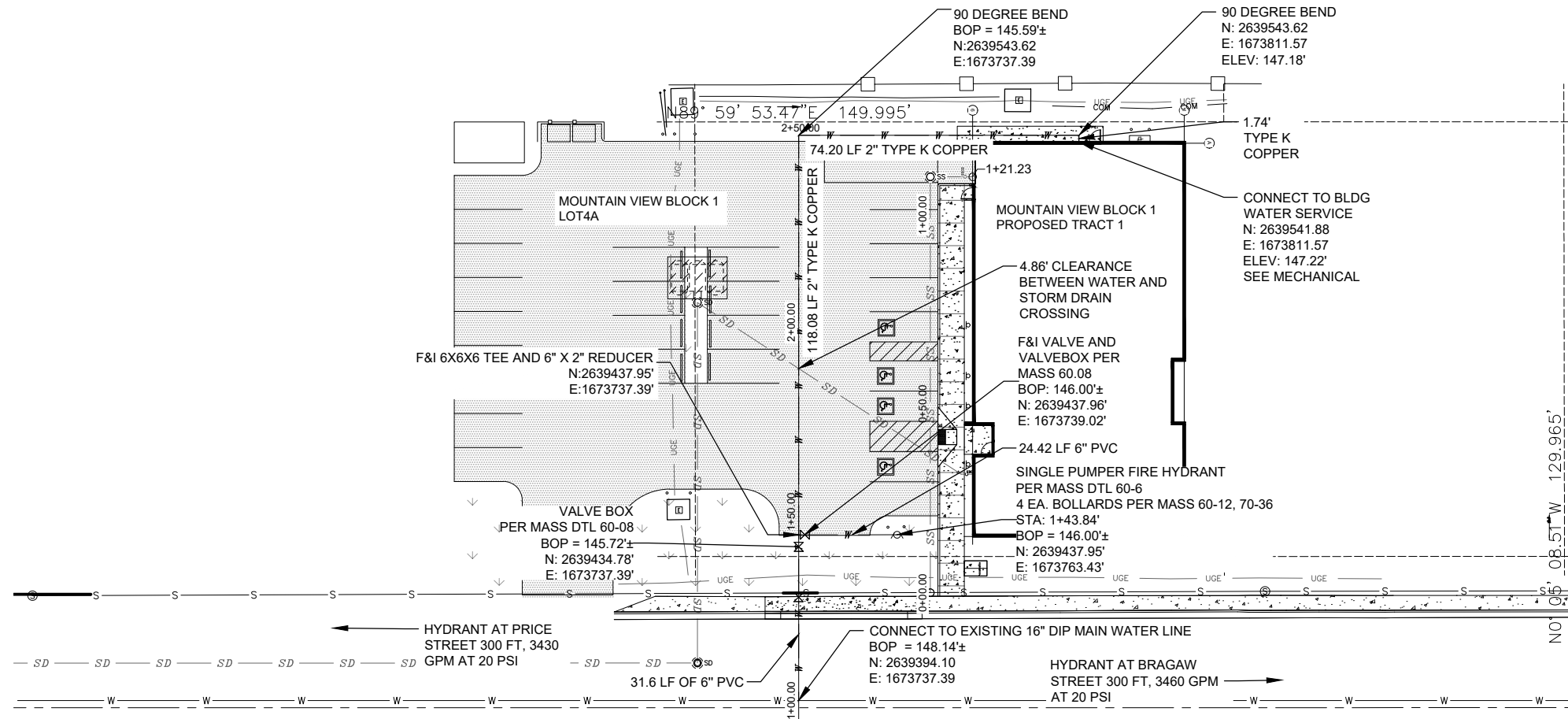
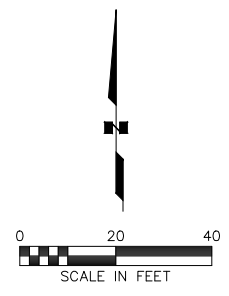
SHEET NO.  
**C6.0**



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC #AEC111

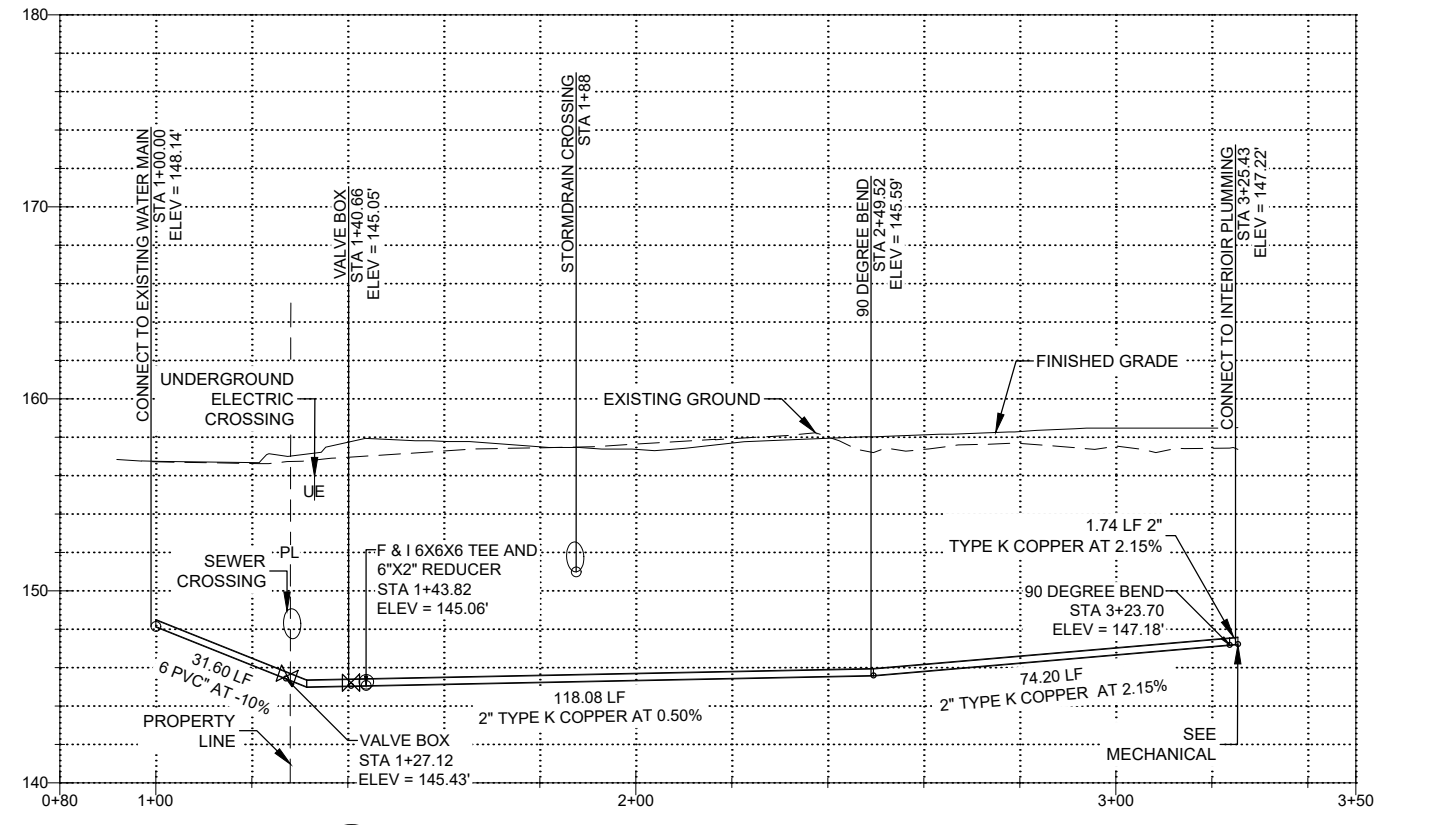


ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

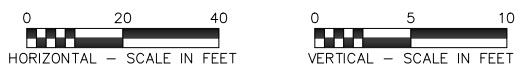


**1 WATER PLAN**  
C7.0 1" = 20"

ANODE TABLE	



**2 WATER PROFILE**  
C7.0



**RECORD DRAWING**

1. DATA PROVIDED BY: \_\_\_\_\_  
 This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.  
 CONTRACTOR: \_\_\_\_\_  
 BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

2. DATA TRANSFERRED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

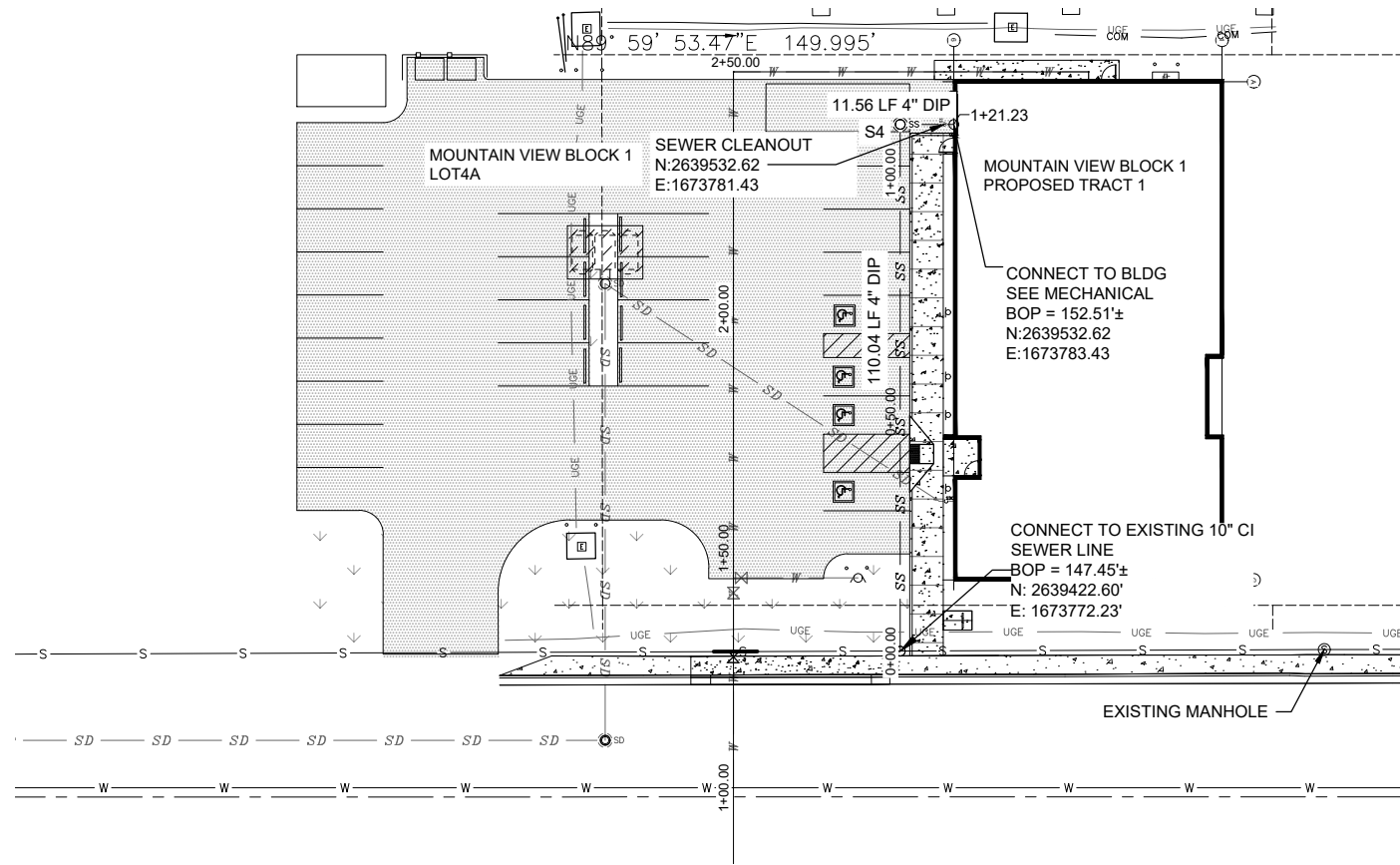
3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.  
 DATA TRANSFER CHECKED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

REVISION SCHEDULE		
#	DESCRIPTION	DATE

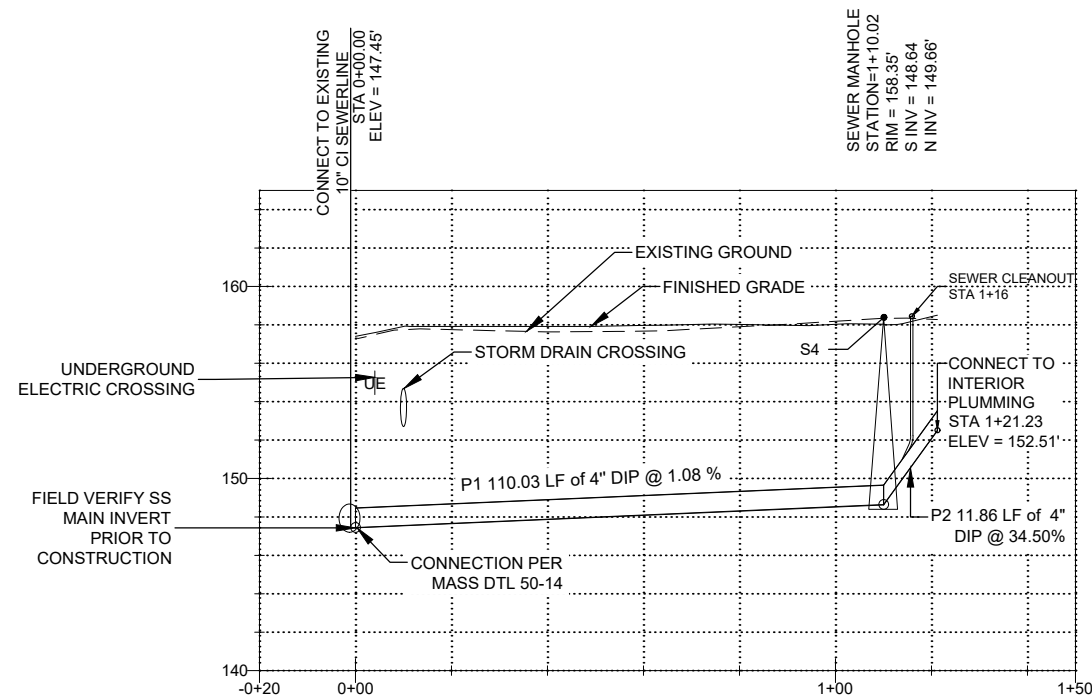
JOB NO. 3194.01  
 DATE 2026.03.11  
 DRAWN JD  
 REVIEWED CWB

SHEET NAME  
 ANWU WATER PLAN & PROFILE

SHEET NO.  
**C7.0**



**1 SEWER PLAN**  
C8.0 1" = 20'



**2 SEWER PROFILE**  
C8.0



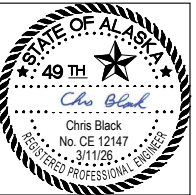
STRUCTURE TABLE			
STRUCTURE NAME	STRUCTURE DETAILS	STRUCTURE LOCATION	COVER
S4	RIM = 158.35 P2 INV IN = 148.61 P1 INV OUT = 149.53	N:2639532.62 E:1673772.23	SOLID

**RECORD DRAWING**

1. DATA PROVIDED BY: \_\_\_\_\_  
 This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.  
 CONTRACTOR: \_\_\_\_\_  
 BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

2. DATA TRANSFERRED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.  
 DATA TRANSFER CHECKED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_



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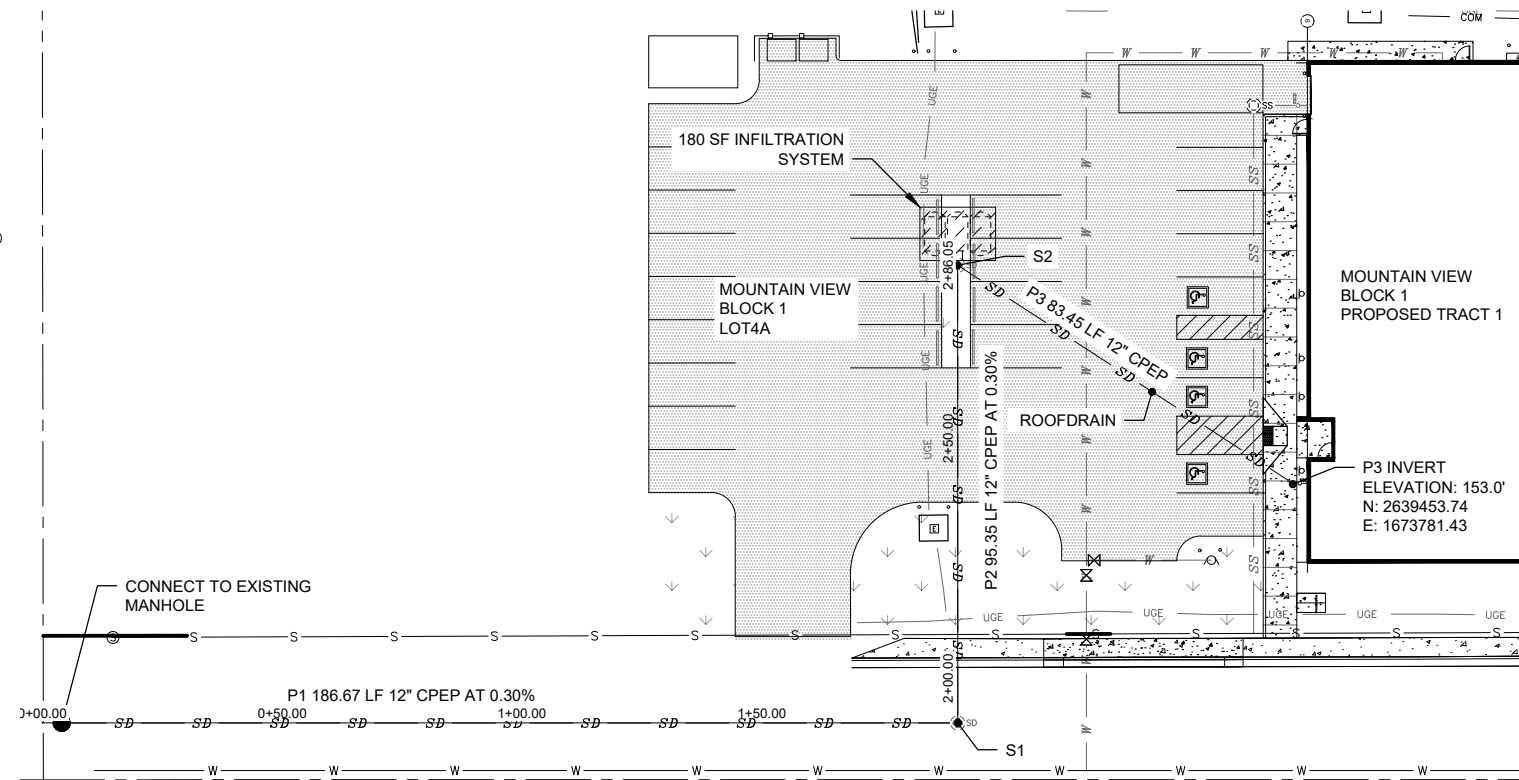
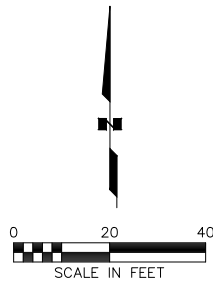
ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE

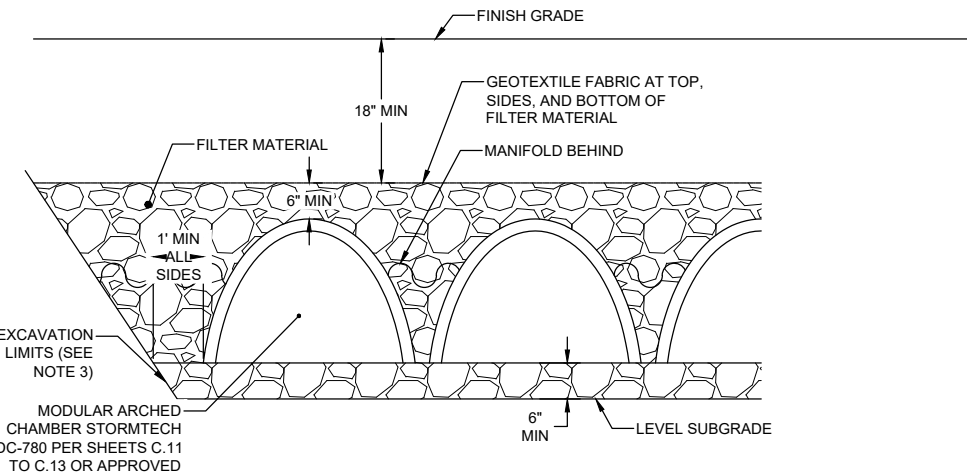
JOB NO.	3194.01
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SHEET NAME  
 AWWU SEWER PLAN & PROFILE

SHEET NO.  
**C8.0**



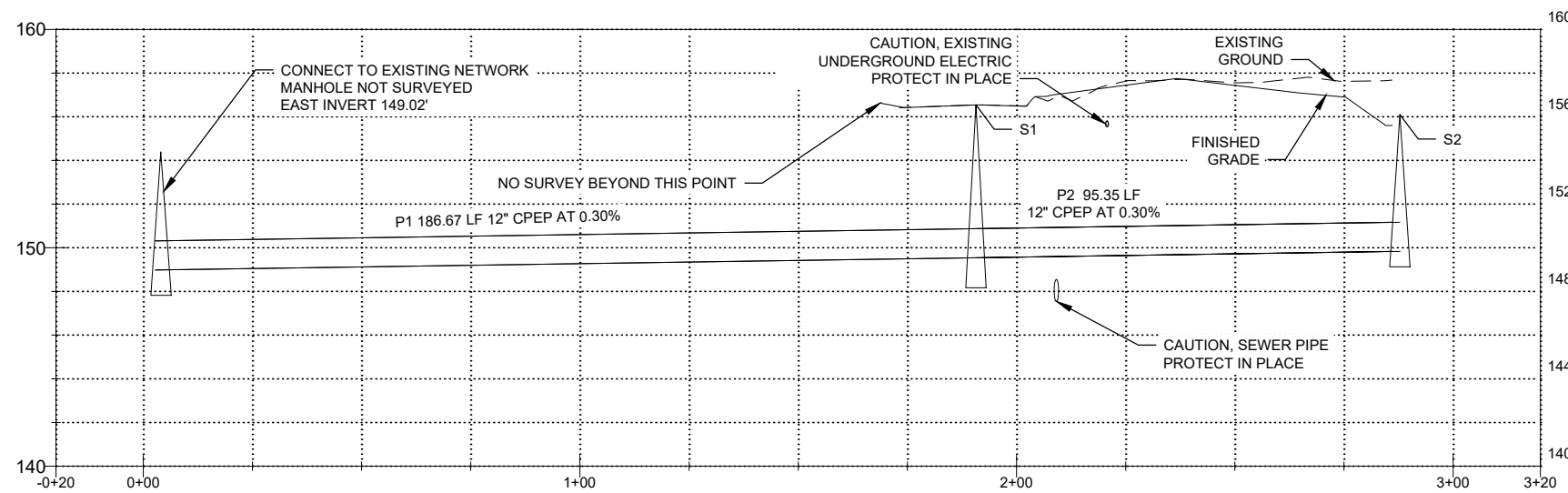
**1** STORMDRAIN PLAN  
C9.0 1" = 20'



**3** INFILTRATION BED TYPICAL  
C9.0

**INFILTRATION BED NOTES:**

1. INSTALL ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE 4" MIN. INSPECTION PORT END OF MIDDLE AND LAST CHAMBER. CAP FLUSH WITH ASPHALT SURFACE.
3. EXCAVATION SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTERISTICS. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.



**2** STORMDRAIN PROFILE  
C9.0

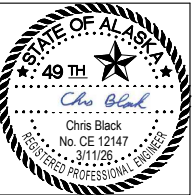


STRUCTURE TABLE			
STRUCTURE NAME	STRUCTURE DETAILS	STRUCTURE LOCATION	COVER
S2	RIM = 155.6 P2 INV = 150.00 P3 INV = 150.00 INV OUTLET (NORTH) = 149.50	N 2639499.37 E 1673710.59	BEEHIVE
S1	RIM = 157.00** P1 INV = 149.71 P2 INV = 149.71	N 2639404.02 E 11673710.59	SOLID

\* 12" OPENING OPPOSITE P3 DRAINS TO INFILTRATION BED  
\*\*EXISTING MANHOLE NOT SURVEYED

**NOTES:**

1. ALL EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR FIELD VERIFY
2. INFILTRATION FACILITIES MUST MAINTAIN 10 FEET OF SEPARATION FROM WATER MAINS.



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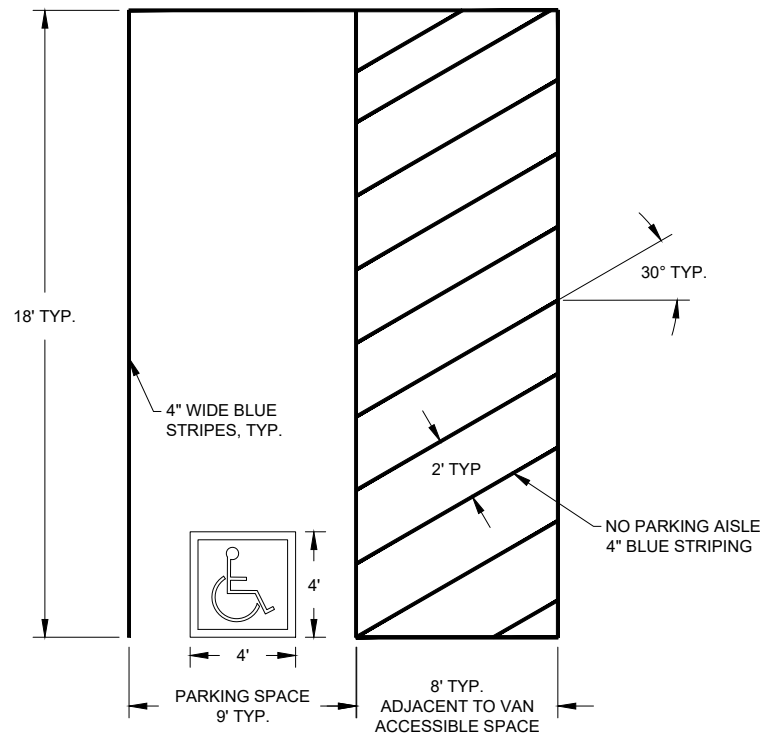
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SHEET NAME  
AWWU STORMDRAIN PLAN & PROFILE

SHEET NO.  
**C9.0**



**1 ADA PARKING SPACE MARKING DETAIL**  
C10.0

NOTE:  
ALL ACCESSIBLE SPACES/AISLES/CURB SHALL BE 4" BLUE STRIPES PER MOA TRAFFIC DEPARTMENT HANDICAP PARKING SIGN DETAIL.

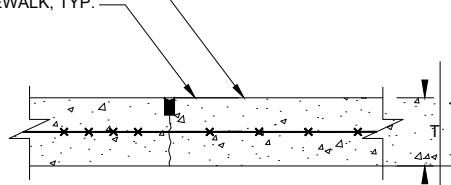
EXPANSION JOINT NOTE:  
INSTALL EXPANSION JOINTS AT STRUCTURES ABUTTING CONCRETE, AROUND STRUCTURES THAT PROJECT THROUGH CONCRETE, AND AS SHOWN ON THE LANDSCAPE PLANS. INSTALL EXPANSION JOINTS NO GREATER THAN 50 FEET APART.

CONTRACTION JOINT NOTE:  
INSTALL CONTRACTION JOINTS AT LOCATIONS AND IN PATTERNS AS SHOWN IN THE LANDSCAPE PLANS. UNLESS OTHERWISE NOTED, CONTRACTION JOINTS SHALL OCCUR AT DISTANCES EQUAL TO THE WIDTH OF SIDEWALKS.

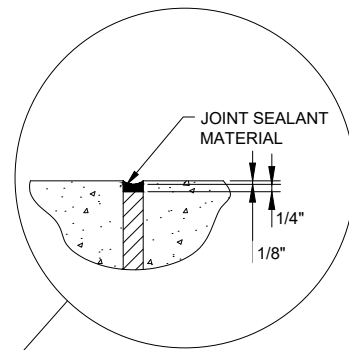
4 x 4 TREATED WOOD POST

TOOLED CONTRACTION JOINT  
DEPTH = 1/4" T  
WIDTH = 1/8"

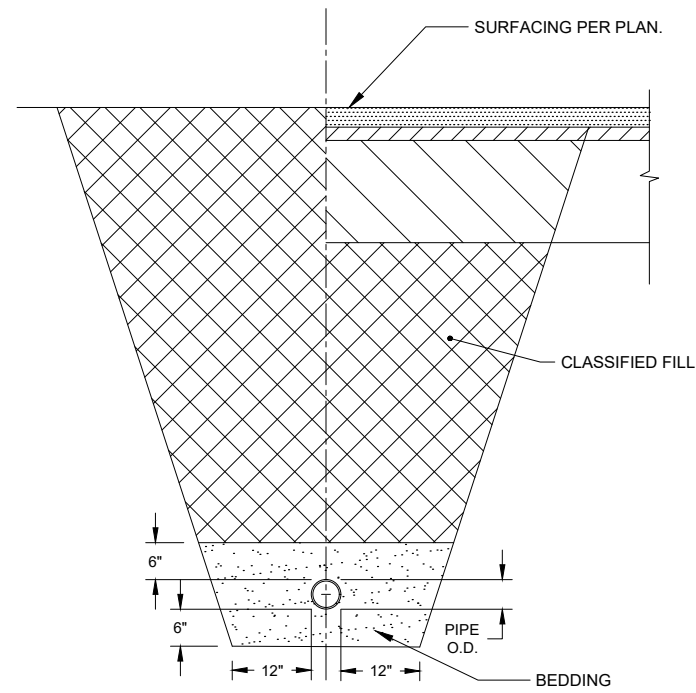
CONCRETE SIDEWALK, TYP.



**3 CONTRACTION JOINT**  
C10.0

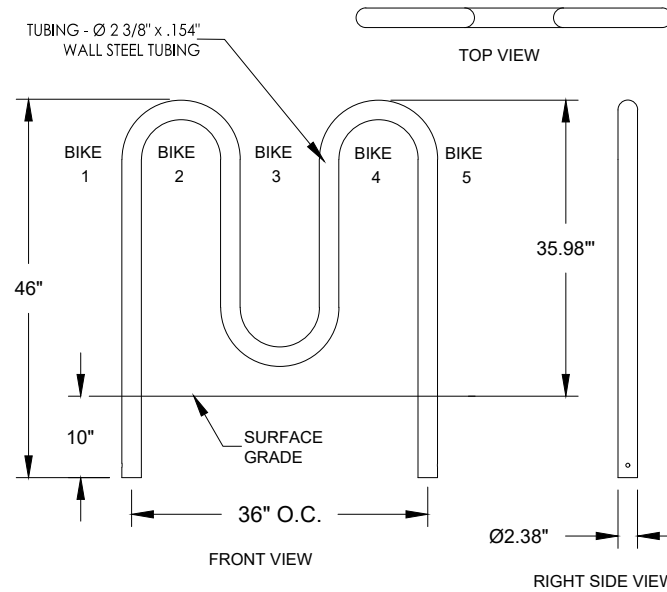


**4 EXPANSION JOINT**  
C10.0



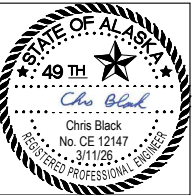
**2 UTILITY LINE TRENCH**  
C10.0

NOTE:  
ALL TRENCHES AND OTHER EXCAVATIONS SHALL BE SLOPED OR SHORED IN ACCORDANCE WITH OSHA STANDARDS.



NOTE:  
POWDER COAT FINISH

**5 BIKE RACK DETAIL**  
C10.0 NTS



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SHEET NAME CIVIL DETAILS

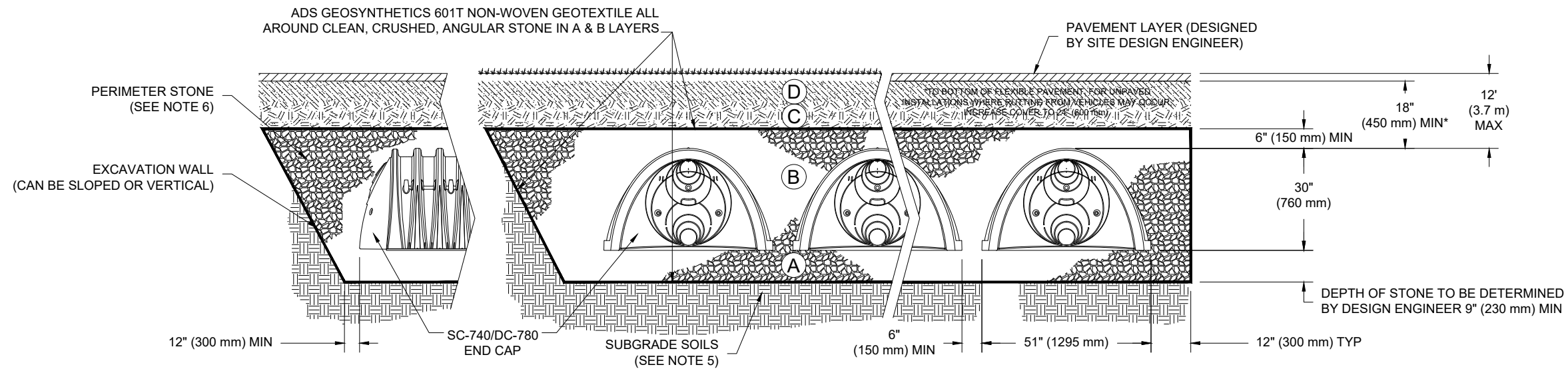
SHEET NO. C10.0

## ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	<b>FINAL FILL:</b> FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	<b>INITIAL FILL:</b> FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 <sup>1</sup> A-1, A-2-4, A-3  OR AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	<b>EMBEDMENT STONE:</b> FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	<b>FOUNDATION STONE:</b> FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2 3</sup>

**PLEASE NOTE:**

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



**NOTES:**

- DC-780 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- DC-780 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC #AEC111



**ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO.	3194.01
DATE	2026.03.11
DRAWN	JD
REVIEWED	CWB

SHEET NAME  
CIVIL DETAILS

SHEET NO.  
**C11.0**



CERTIFICATE OF AUTHORIZATION NO. R&M CONSULTANTS, INC #AECC111



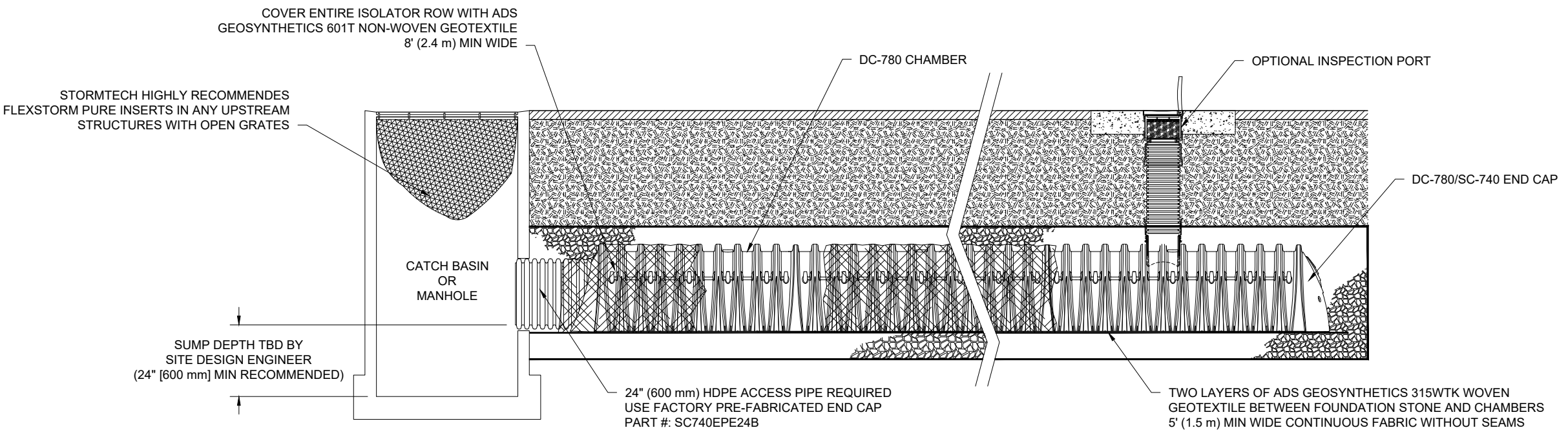
ANCHORAGE COMMUNITY LAND TRUST  
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 ANCHORAGE, ALASKA

REVISION SCHEDULE		
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JOB NO.	3194.01
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CIVIL DETAILS

SHEET NO.  
**C12.0**



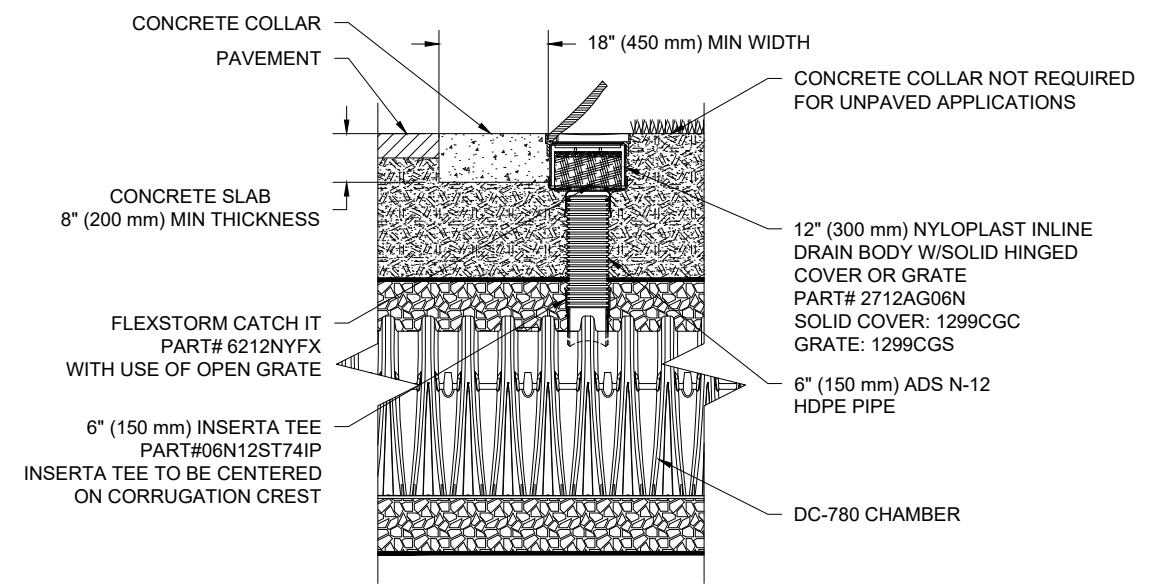
**DC-780 ISOLATOR ROW DETAIL**  
NTS

**INSPECTION & MAINTENANCE**

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
    - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
    - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
    - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
    - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
    - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
  - B. ALL ISOLATOR ROWS
    - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
    - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
      - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
      - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
    - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
  - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
  - C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

**NOTES**

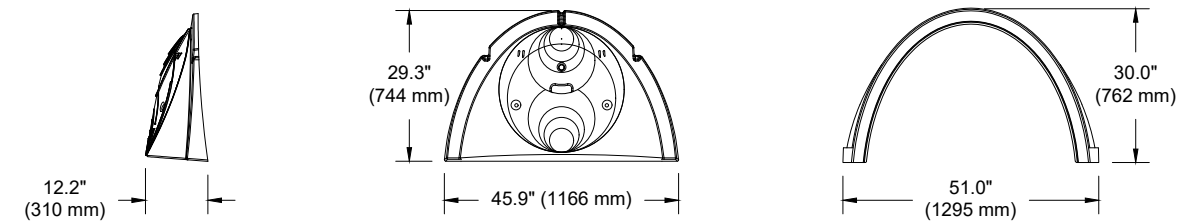
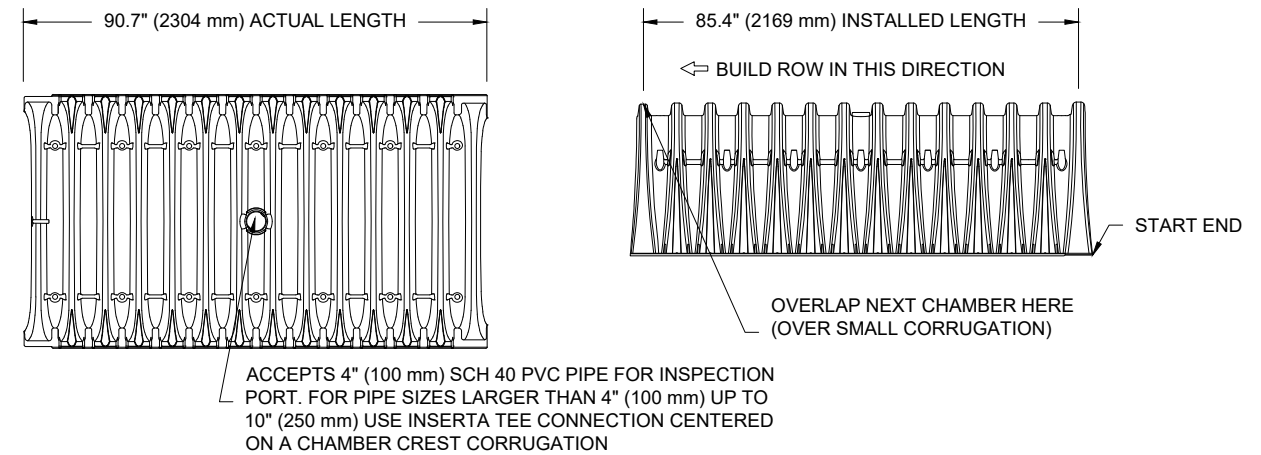
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



**DC-780 6" INSPECTION PORT DETAIL**  
NTS

# DC-780 TECHNICAL SPECIFICATION

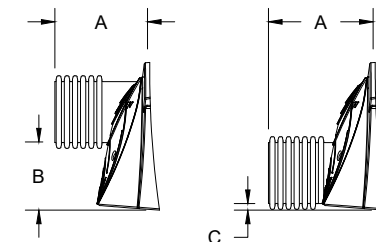
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### NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	46.2 CUBIC FEET	(1.30 m <sup>3</sup> )
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.20 m <sup>3</sup> )
WEIGHT	75.0 lbs.	(33.6 kg)

\*ASSUMES 6" (152 mm) STONE ABOVE, 9" (229 mm) BELOW, AND 6" (152 mm) BETWEEN CHAMBERS



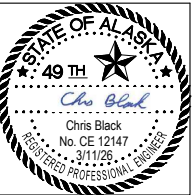
STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"  
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B / SC740EPE06BPC			---	0.5" (13 mm)
SC740EPE08T / SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE08B / SC740EPE08BPC			---	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B / SC740EPE10BPC			---	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B / SC740EPE12BPC			---	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B / SC740EPE15BPC			---	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B / SC740EPE18BPC			---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

\* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL



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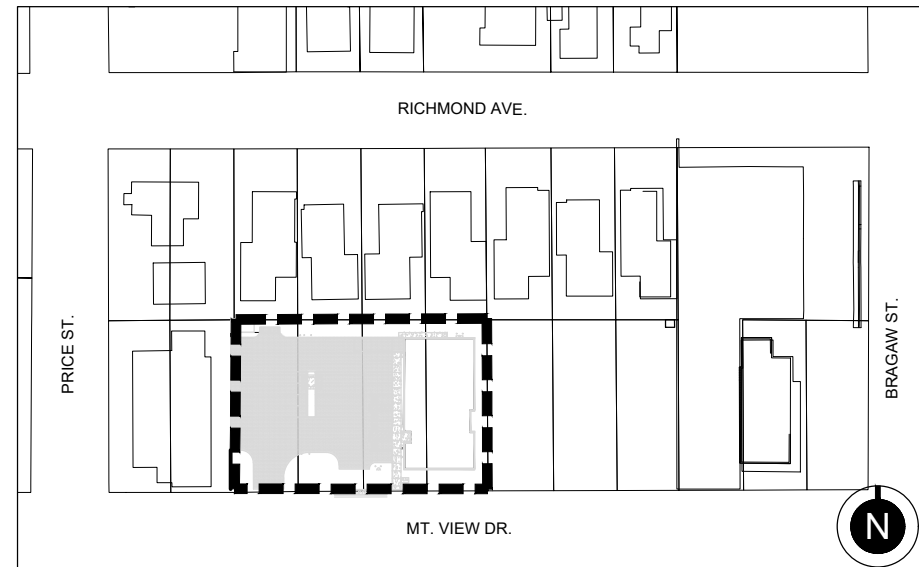
REVISION SCHEDULE		
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JOB NO.	3194.01
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REVIEWED	CWB

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CIVIL DETAILS

SHEET NO.  
**C13.0**

## LOCATION MAP



## SHEET INDEX

- L1.00 LANDSCAPE NOTES & SCHEDULE
- L1.01 LANDSCAPE CODE ANALYSIS
- L2.00 LANDSCAPE PLAN
- L3.00 LANDSCAPE DETAILS
- L3.01 LANDSCAPE DETAILS

## LANDSCAPE INSPECTIONS AND NOTIFICATIONS

1. THE LANDSCAPE INSPECTIONS, MAINTENANCE, AND WARRANTIES SHALL BE CONSISTENT WITH M.A.S.S. AND THE PROJECT SPECIFICATIONS. BELOW IS AN OUTLINE OF THE INSPECTION PROCEDURE PER M.A.S.S. SECTION 75.02. ADDITIONAL INFORMATION CAN BE FOUND IN M.A.S.S.
  2. PRIOR TO BRINGING THE PLANT MATERIAL TO THE SITE:
    - 2.a. THE CONTRACTOR SHALL HAVE ADEQUATE STORAGE SPACE FOR PLANT MATERIAL PRIOR TO THE SITE BEING READY FOR INSTALLATION. PLANT MATERIAL SHALL BE MAINTAINED AND WATERED THOROUGHLY PRIOR TO INSTALL.
    - 2.b. NOTIFY THE OWNER'S REPRESENTATIVE FOR INSPECTION OF ALL TREES, SHRUBS, AND PERENNIALS PRIOR TO BRINGING MATERIAL TO THE PROJECT SITE. ANY PLANT MATERIAL SHOWING SIGNS OF DAMAGE, DISEASE, SCARRING, OVER-PRUNING, OR NOT MEETING THE ANSI Z60.1 STANDARDS SHALL BE REJECTED AND REPLACED AT NO COST TO THE OWNER. ANY SUBSTITUTIONS MUST BE APPROVED BY OWNER'S REPRESENTATIVE.
    - 2.c. ALL TREES AND SHRUBS MUST HAVE NURSERY TAGS INTACT AND VISIBLE AT THE TIME OF THE INITIAL INSPECTION.
  3. ONCE PLANT MATERIAL IS INSTALLED ON SITE:
    - 3.a. UPON COMPLETION OF ALL INITIAL PLANTING OPERATIONS (PLANTING AND SEEDING), THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR A LANDSCAPE INSPECTION.
    - 3.b. INITIAL PLANTING OPERATION ENDS WHEN:
      - ALL PLANTS ARE INSTALLED, MULCHED AND WATERED AS SPECIFIED;
      - STAKE AND GUYS ARE IN PLACE
      - ALL CONSTRUCTION MATERIAL AND EXCESS EXCAVATED MATERIAL IS REMOVED AND CLEAN-UP IS COMPLETE;
      - PLANTING AREA IS FREE OF WEEDS OR ANY UNSPECIFIED PLANTS; AND
      - PLANT MATERIAL IS HEALTHY AND VIGOROUS
    - 3.c. ANY ITEMS IDENTIFIED AS INSUFFICIENT SHALL BE REMEDIED. ONCE PUNCH LIST ITEMS ARE ADDRESSED AND ACCEPTED IN WRITING OF ALL WORK THE TWO-YEAR PLANT ESTABLISHMENT PERIOD SHALL BEGIN. THE PLANT ESTABLISHMENT PERIOD INCLUDES ONGOING MAINTENANCE PER M.A.S.S. AND THE PROJECT SPECIFICATIONS.
  4. LANDSCAPE ACCEPTANCE AFTER THE TWO-YEAR PLANT ESTABLISHMENT PERIOD:
    - 4.a. THE OWNER OR OWNER'S REPRESENTATIVE SHALL VERIFY THAT THE CONTRACTOR PERFORMED MAINTENANCE FUNCTIONS AS SPECIFIED AND THAT THE PLANT MATERIAL AND SEEDED AREAS ARE LIVE, UNIFORM, HEALTHY, AND FREE OF DISEASE, DAMAGE, INFESTATION, RUBISH, DEBRIS, AND WEEDS.
    - 4.b. ANY DEFICIENCIES SHALL BE ADDRESSED WITHIN 30 DAYS. ANY PLANTS THAT ARE COMPLETELY REPLACED SHALL HAVE AN EXTENDED ONE-YEAR MAINTENANCE AND WARRANTY PERIOD ONCE THEIR INSTALLATION IS ACCEPTED IN WRITING.

## LANDSCAPE SCHEDULE

LABEL	QTY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	NOTES
<b>TREES</b>							
BP	13		BETULA Papyrifera	WHITE PAPER BIRCH	2" CAL. MIN.	AS SHOWN	FURNISH: B&B (7 TO BE MULTI-STEM)
PA	9		PICEA ABIES 'CUPRESSINA'	COLUMNAR NORWAY SPRUCE	6' HT. MIN.	AS SHOWN	FURNISH: B&B
PTE	3		POPULUS TREMULOIDES 'ERECTA'	COLUMNAR ASPEN	2" CAL. MIN.	AS SHOWN	FURNISH: B&B
<b>SHRUBS</b>							
CS	12		CORNUS SERICEA 'KELSEY'	KELSEY DWARF DOGWOOD	18" HT. 5 CANE MIN.	AS SHOWN	FURNISH: CONTAINER
RA	31		RIBES ALPINUM	ALPINE CURRENT	18" HT. 4 CANE MIN.	AS SHOWN	FURNISH: CONTAINER
PO	9		PHYSOCARPUS OPULIFOLIUS 'JEFAM'	AMBER JUBILEE NINEBARK	18" HT. 4 CANE MIN.	AS SHOWN	FURNISH: CONTAINER
SS	25		SORBARIA SORBIFOLIA 'SEM'	'SEM' FALSE SPIREA	18" HT. 4 CANE MIN.	AS SHOWN	FURNISH: CONTAINER
SJ	36		SPIRAEA JAPONICA 'GOLDMOUND'	GOLDMOUND SPIREA	18" HT. 5 CANE MIN.	AS SHOWN	FURNISH: CONTAINER
<b>PERENNIALS (GRASSES)</b>							
CA	20		CALAMAGROSTIS X ACUTIFLORA KARL FOERSTER	FEATHER REED GRASS	#1 CONT.	AS SHOWN	
PL	19		PENNISETUM AL. 'LITTLE BUNNY'	LITTLE BUNNY DWARF FOUNTAIN GRASS	#1 CONT.	AS SHOWN	
<b>SEED</b>							
SCHEDULE A: MOWABLE SEED MIX (LAWN)							
~ 4 MSF			LOLIUM MULTIFLORUM POA PRATENSIS 'KENAI' POA PRATENSIS FESTUCA RUBRA 'BOREAL'	ANNUAL RYEGRASS KY BLUEGRASS: KENAI KY BLUEGRASS: ALENE BOREAL FESCUE	5% 30% 25% 40%		MIX APPLICATION RATE: 5 LBS. PER MSF ALL SEEDED AREAS TO RECEIVE 4" OF TOPSOIL
<b>MATERIALS</b>							
~ 345 LF			LANDSCAPE EDGING	4" ALUMINUM			EDGING QTY. AS SHOWN PER SCALE CONTRACTOR TO FIELD VERIFY QUANTITY
		N/A	SHREDDED BARK MULCH	INSTALL AT 3" DEPTH			SHREDDED BARK MULCH INSTALL IN PLANTING BEDS

## GENERAL LANDSCAPE NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (M.A.S.S.) UNLESS NOTED DIFFERENTLY ON SHEET NOTES.
2. ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 (LATEST EDITION).
3. CONTRACTOR SHALL CALL LOCAL DIG LINE TO VERIFY UNDERGROUND UTILITY LOCATIONS PRIOR TO DIGGING. CONTRACTOR IS RESPONSIBLE FOR ANY UNDERGROUND UTILITY DAMAGE.
4. IF THERE IS A DISCREPANCY BETWEEN THE QUANTITY OF PLANTS IN THE GRAPHIC REPRESENTATION AND THE CALLOUTS OR SCHEDULE THE REPRESENTATION WITH THE HIGHEST AMOUNT OF PLANTS SHALL GOVERN.
5. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY SITE CONDITIONS THAT REQUIRE MODIFICATIONS TO THE LANDSCAPE PLAN PRIOR TO INSTALLATION.
6. ALL SURFACE DISTURBANCE RELATED TO THIS PROJECT SHALL BE RESTORED WITH 4" TOPSOIL AND LAWN SEED MIX, EXCEPT WHERE SPECIFIED OTHERWISE.
7. ALL PLANTING BEDS SHALL RECEIVE SHREDDED BARK MULCH AT THREE INCH DEPTH(3"). SHREDDED BARK MULCH SHALL BE NATURAL MATERIAL WITHOUT ADDED DYES. THE MATERIAL SHALL MEET THE SHREDDED BARK MULCH STANDARD OF M.A.S.S. SECTION 75.02.
8. MAINTENANCE, INCLUDING BUT NOT LIMITED TO WATERING, WEEDING, FERTILIZING, AND MOWING, SHALL BE PERFORMED ONCE PLANT MATERIAL HAS BEEN INSTALLED AND THROUGHOUT THE MAINTENANCE AND WARRANTY PERIOD. WARRANTY PERIOD SHALL BE TWO YEARS STARTING AT THE PARTIAL COMPLETION APPROVAL.
9. TOPSOIL AND SEED QUANTITY IN LANDSCAPE SCHEDULE IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE TOPSOIL AND SEED COVERAGE FOR ANY AREAS OF DISTURBANCE, INCLUDING BEYOND SHOWN LIMITS OF DISTURBANCE DUE TO ON SITE GRADING IMPACTS.
10. EXISTING STREET TREES TO BE REMOVED. FLAG TREES FOR REMOVAL AND CONFIRM WITH OWNER PRIOR TO REMOVAL.



CERTIFICATE OF AUTHORIZATION NO. HUDDLE AK, LLC #AECL1611

spark design, llc  
HUDDLE

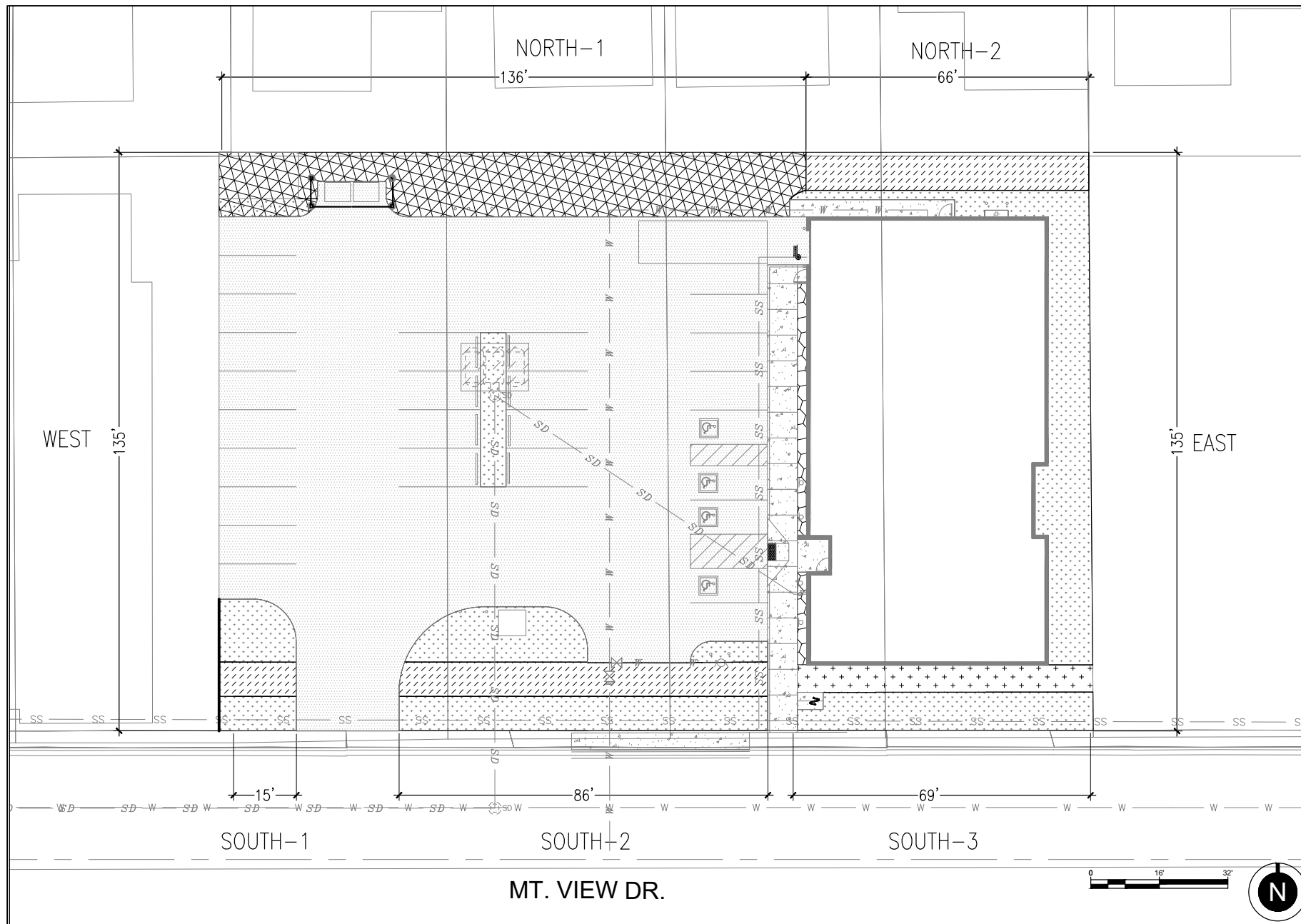
ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

REVISION SCHEDULE	
DESCRIPTION	DATE

JOB NO.	23-002
DATE	2026.03.12
DRAWN	JPJ
REVIEWED	LKB

SHEET NAME  
LANDSCAPE NOTES & SCHEDULE

SHEET NO.  
L1.00



ZONING/ USE: B-3/ COMMERCIAL FOOD PRODUCTION LIGHT  
 NORTH BOUNDARY: R-4  
 EAST BOUNDARY: B-3  
 SOUTH BOUNDARY: MOUNTAIN VIEW DRIVE  
 WEST BOUNDARY: B-3

### LANDSCAPE CODE NOTES

#### VISUAL ENHANCEMENT LANDSCAPING

- L1 REQUIRES A MINIMUM AVERAGE PLANTING BED WIDTH OF 8' AS MEASURED FOR EACH LEG OF THE PERIMETER.
- L1 REQUIRES 1 TREE AND 6 SHRUBS PER 20 LINEAR FEET OF PROPERTY LINE MINIMUM. ALL AREAS WITHIN THE PLANTING BED SHALL BE COVERED WITH LIVING GROUND COVER, TURF OR MULCH.

#### PARKING LOT PERIMETER LANDSCAPING

- L2 IS REQUIRED WHERE RESIDENTIAL DISTRICT ABUTS A NON RESIDENTIAL DISTRICT.
- L2 SITE PERIMETER LANDSCAPING REQUIRES 15' FOOT MINIMUM BED WIDTH.
- L2 REQUIRES 2 TREES AND 6 SHRUBS PER 20 LINEAR FOOT MINIMUM. 1/2 OF TREES MUST BE CONIFEROUS.

#### PARKING LOT INTERIOR LANDSCAPING

- NOT APPLICABLE - ONLY REQUIRED IN PARKING LOTS WITH 40 OR MORE PARKING SPACES.

#### SITE ENHANCEMENT LANDSCAPING

- PLANT MATERIAL SHALL BE ESTABLISHED THROUGHOUT THE SITE TO PREVENT EROSION.

#### BIKE PARKING

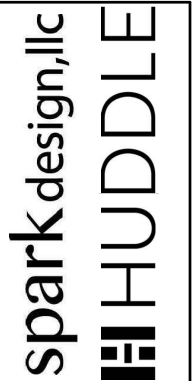
- 2 PARKING SPACES WILL BE PROVIDED, SEE PLAN SHEET.

SITE PERIMETER AND PARKING LOT PERIMETER LANDSCAPING							
	NORTH-1	NORTH-2	EAST	SOUTH-1	SOUTH-2	SOUTH-3	WEST
ONSITE ZONING	B3	B3	B3	B3	B3	B3	B3
NEIGHBORING PROP.	R4	R4	B3	MOUNTAIN VIEW DRIVE	MOUNTAIN VIEW DRIVE	MOUNTAIN VIEW DRIVE	B3
APPLICABLE LANDSCAPE REQUIREMENT	SITE PERIMETER & PARKING LOT PERIMETER	SITE PERIMETER	NONE	SITE PERIMETER & PARKING LOT PERIMETER	SITE PERIMETER & PARKING LOT PERIMETER	SITE PERIMETER	NONE
TYPE OF LANDSCAPE (REQUIRED)	L2	L1	NONE	L1	L1	L1	NONE
TYPE OF LANDSCAPE (PROPOSED)	L2	L1	NONE	L1	L1	L1	NONE
LINEAR FEET	136 LF	66 LF	135 LF	15 LF	86 LF	69 LF	135 LF
REQ'D TREES/SHRUBS	14 TREES/41 SHRUBS	3 TREES/20 SHRUBS	NONE	1 TREES/5 SHRUBS	4 TREES/26 SHRUBS	3 TREES/21 SHRUBS	NONE

LEGEND		
SYMBOL	AREA/ITEM	CODE REFERENCE
	L1 PARKING LOT PERIMETER	21.07-1
	L1 SITE PERIMETER	21.07-1
	L2 PARKING LOT PERIMETER	21.07.080.E.2.b.ii
	SITE ENHANCEMENT	21.07-1
	TOPSOIL & SEED (LAWN)	



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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
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 DRAWN JPK  
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 LANDSCAPE CODE ANALYSIS

SHEET NO.  
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spark design, llc  
HUDDLE

ANCHORAGE COMMUNITY LAND TRUST  
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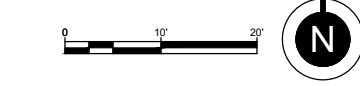
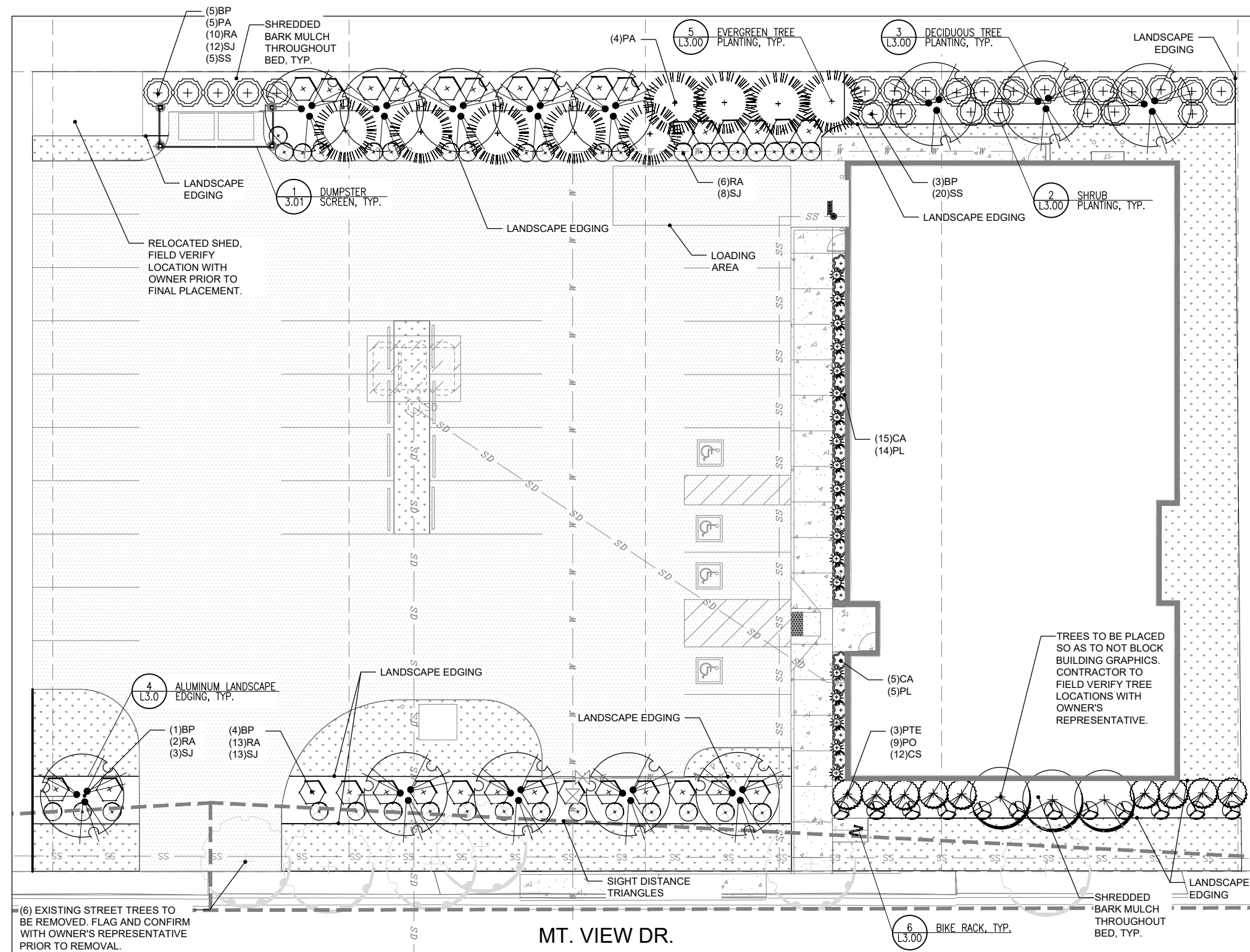
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SHEET NAME  
LANDSCAPE PLAN

SHEET NO.  
L2.00

### LANDSCAPE LEGEND

LABEL	SYMBOL	SCIENTIFIC NAME	COMMON NAME
<b>TREES</b>			
BP		BETULA PAPYRIFEERA	WHITE PAPER BIRCH
PA		PICEA ABIES 'CUPRESSINA'	COLUMNAR NORWAY SPRUCE
PTE		POPULUS TREMULOIDES 'ERECTA'	COLUMNAR ASPEN
<b>SHRUBS</b>			
CS		CORNUS SERICEA 'KELSEYI'	KELSEY DWARF DOGWOOD
RA		RIBES ALPINUM	ALPINE CURRENT
PO		PHYSOCARPUS OPULIFOLIUS 'JEFAM'	AMBER JUBILEE NINEBARK
SS		SORBARIA SORBIFOLIA 'SEM'	'SEM' FALSE SPIREA
SJ		SPIRAEA JAPONICA 'GOLDMOUND'	GOLDMOUND SPIREA
<b>PERENNIALS (GRASSES)</b>			
CA		CALAMAGROSTIS X ACUTIFLORA KARL FOERSTER	FEATHER REED GRASS
PL		PENNISETUM AL. 'LITTLE BUNNY'	LITTLE BUNNY DWARF FOUNTAIN GRASS
<b>SEED</b>			
SCHEDULE A: MOWABLE SEED MIX (LAWN)			
		LOLIUM MULTIFLORUM POA PRATENSIS 'KENAI' POA PRATENSIS FESTUCA RUBRA 'BOREAL'	ANNUAL RYEGRASS KY BLUEGRASS: KENAI KY BLUEGRASS: ALENE BOREAL FESCUE
<b>MATERIALS</b>			
		LANDSCAPE EDGING	4" ALUMINUM
		SHREDDED BARK MULCH	INSTALL AT 3" DEPTH

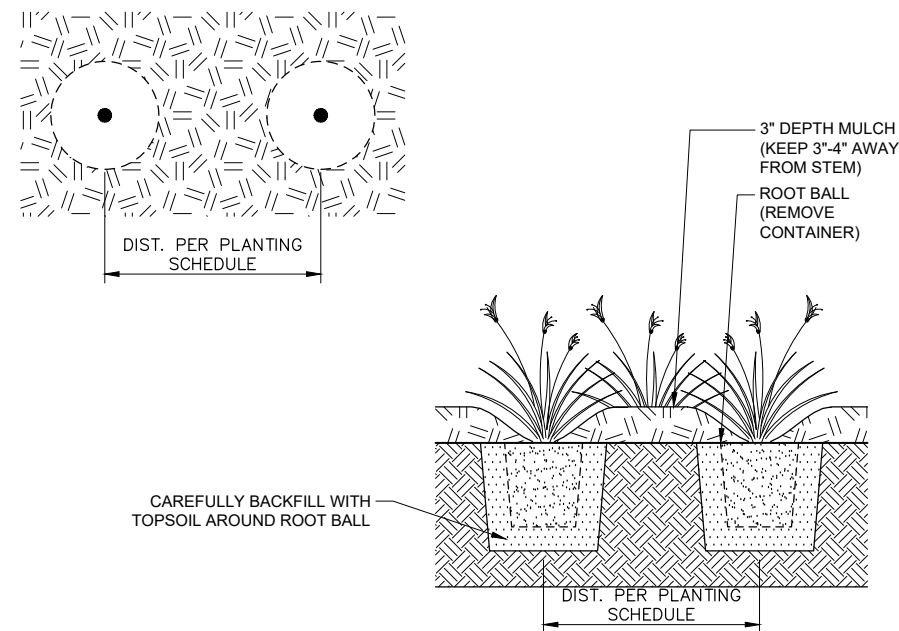




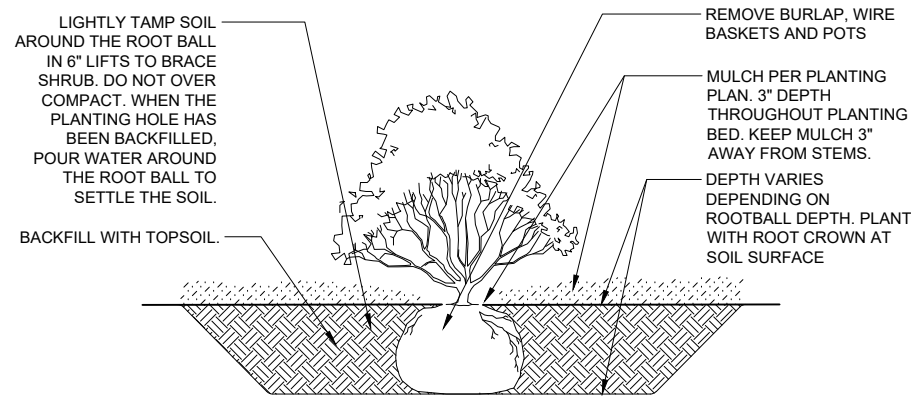
CERTIFICATE OF AUTHORIZATION NO. HUDDLE AK, LLC #AECL1611

spark design, llc  
HUDDLE

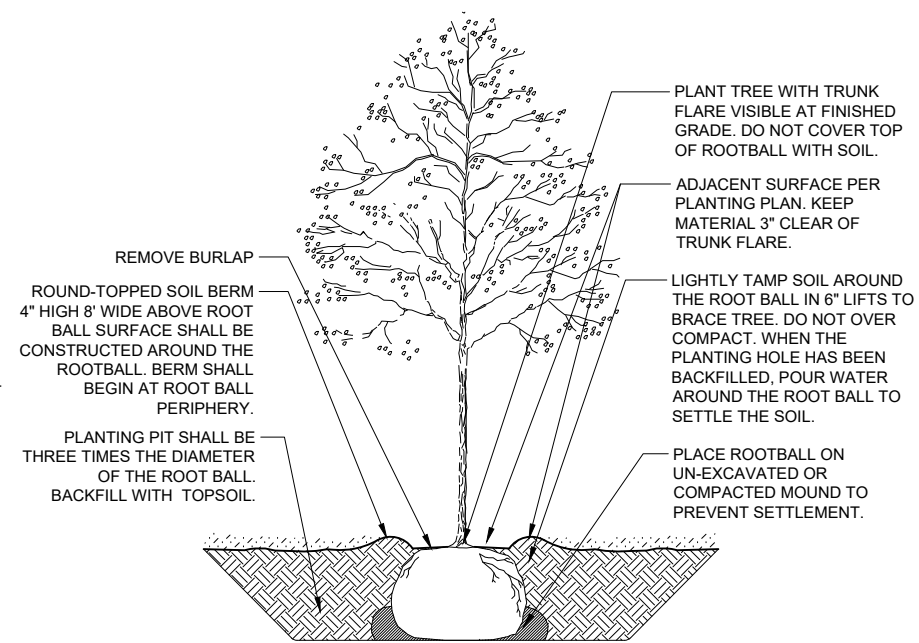
ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA



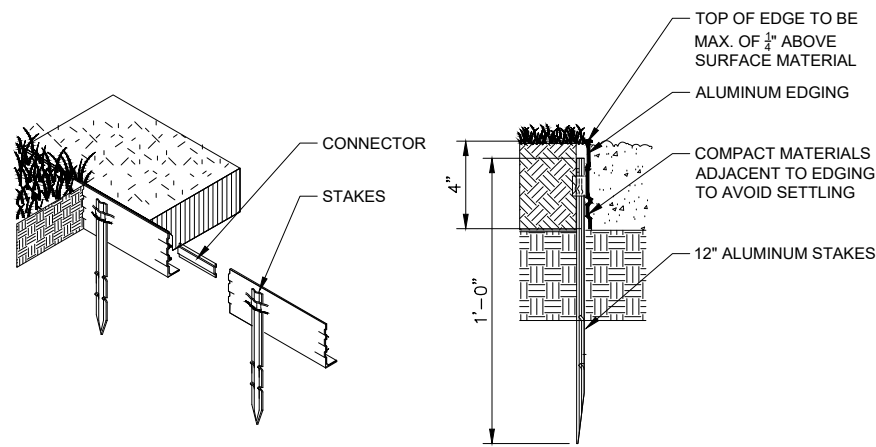
1 PERENNIAL PLANTING  
L3.00 NTS



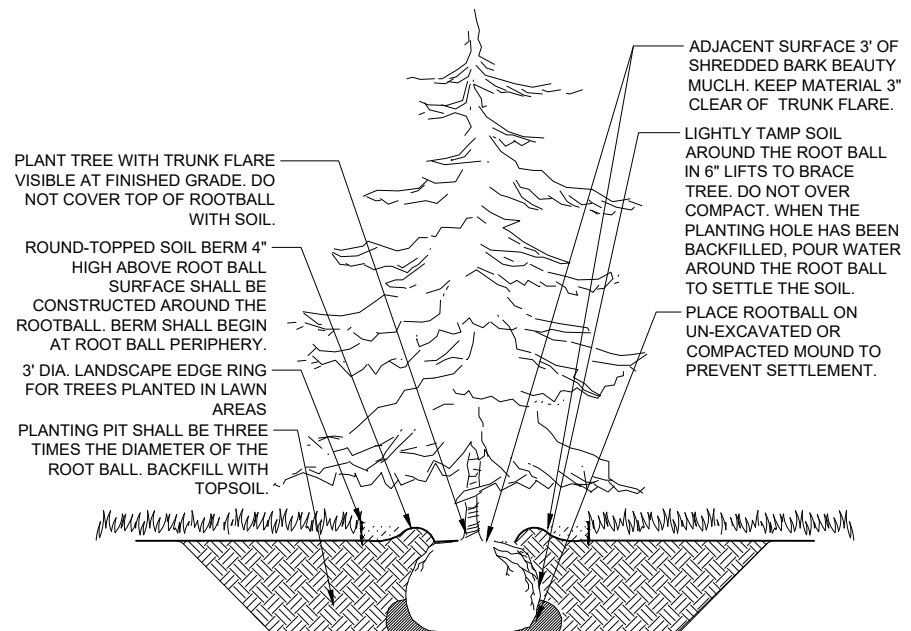
2 SHRUB PLANTING  
L3.00 NTS



3 DECIDUOUS TREE PLANTING  
L3.00 NTS

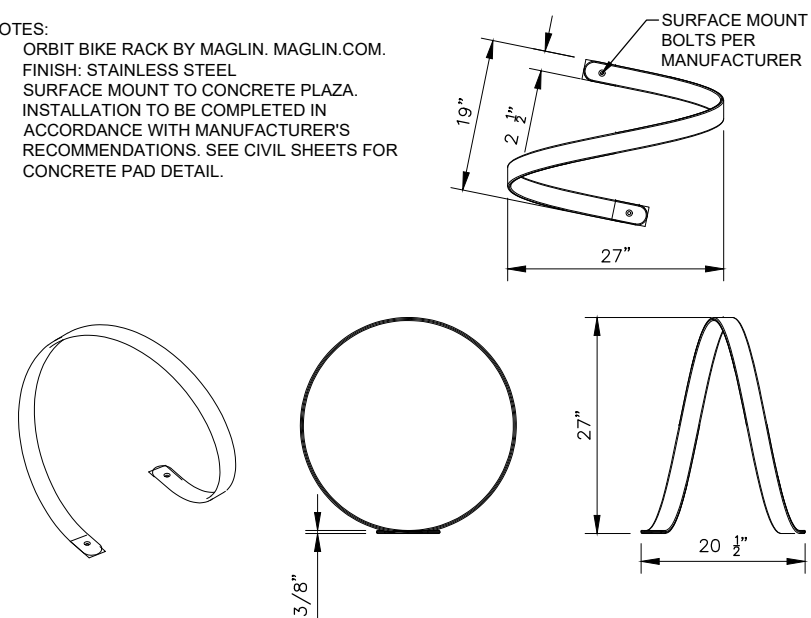


4 ALUMINUM LANDSCAPE EDGING  
L3.00 NTS



5 CONIFEROUS TREE PLANTING  
L3.00 NTS

- NOTES:
- ORBIT BIKE RACK BY MAGLIN. MAGLIN.COM.
  - FINISH: STAINLESS STEEL
  - SURFACE MOUNT TO CONCRETE PLAZA. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SEE CIVIL SHEETS FOR CONCRETE PAD DETAIL.



6 BIKE RACK  
L3.00 NTS

REVISION SCHEDULE	
DESCRIPTION	DATE

JOB NO. 23-002  
DATE 2026.03.12  
DRAWN JPK  
REVIEWED LKB

SHEET NAME  
LANDSCAPE DETAILS

SHEET NO.  
L3.00



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REVISION SCHEDULE	
DESCRIPTION	DATE

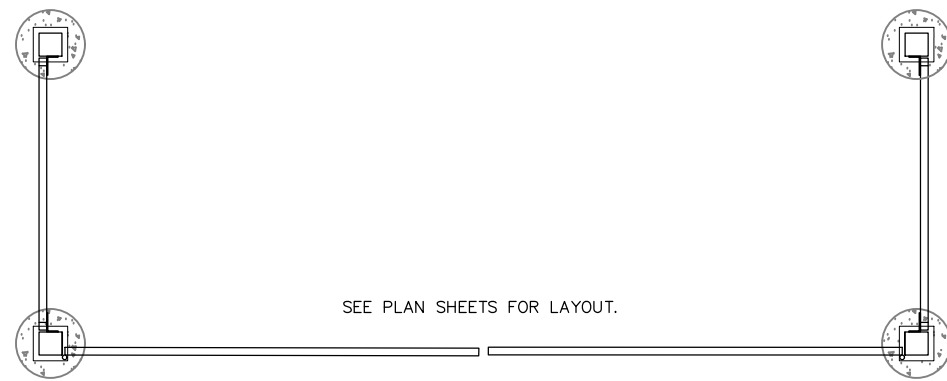
JOB NO. 23-002  
DATE 2026.03.12  
DRAWN JPJ  
REVIEWED LKB

SHEET NAME  
LANDSCAPE DETAILS

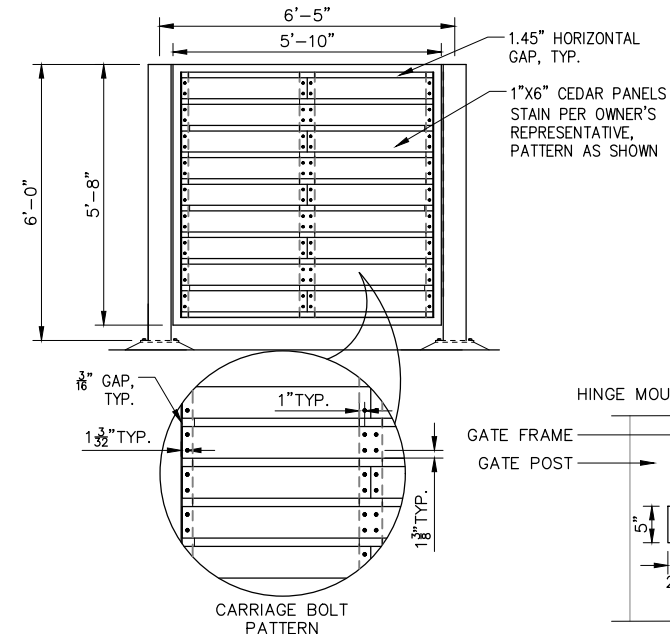
SHEET NO.  
L3.01

- NOTES:
1. ALL POSTS, FRAMES, AND BASE PLATES TO BE HOT DIPPED GALVANIZED (HDG).
  2. ALL HARDWARE TO BE HDG.
  3. FIELD VERIFY FRAME CLEARANCE FROM POSTS PRIOR TO POURING POST FOOTINGS.

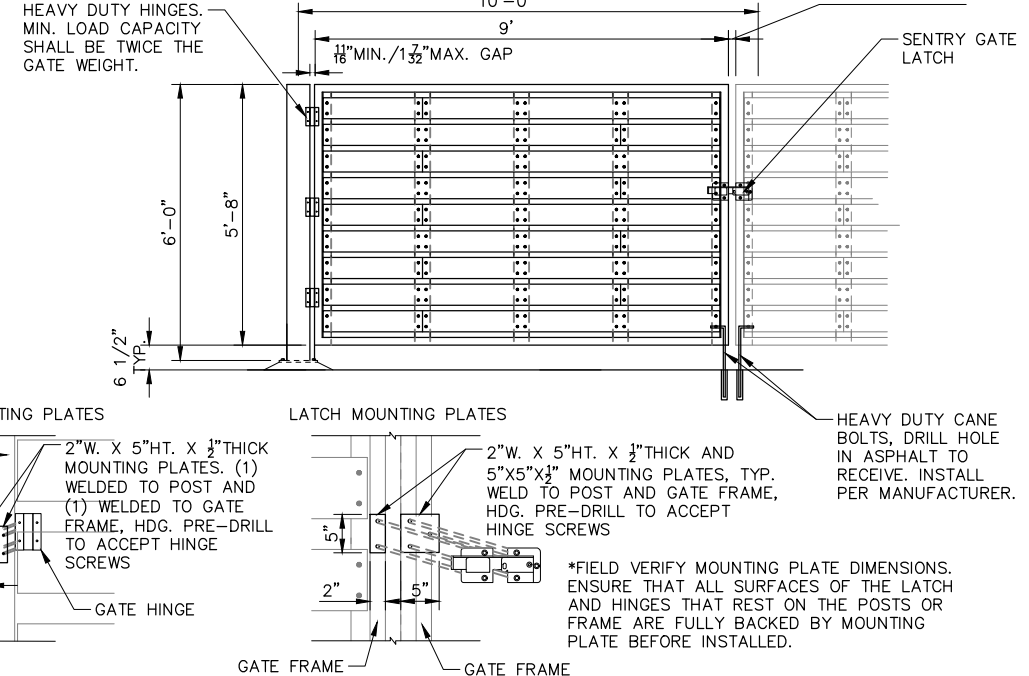
- GATE LATCH AND HINGE NOTES:
1. ALLOW ACCESS ONLY FROM OUTSIDE OF GATE.
  2. GATE HINGE AND LATCH TO BE HOT DIPPED GALVANIZED.
  3. LOCKABLE, PROVIDE KEYED LOCK.
  4. USE HDG FLAT HEAD MACHINE SCREWS.
  5. ENSURE HINGE SCREWS ARE SELF LOCKING, IF NOT PROVIDE COMPATIBLE SELF LOCKING SCREWS.



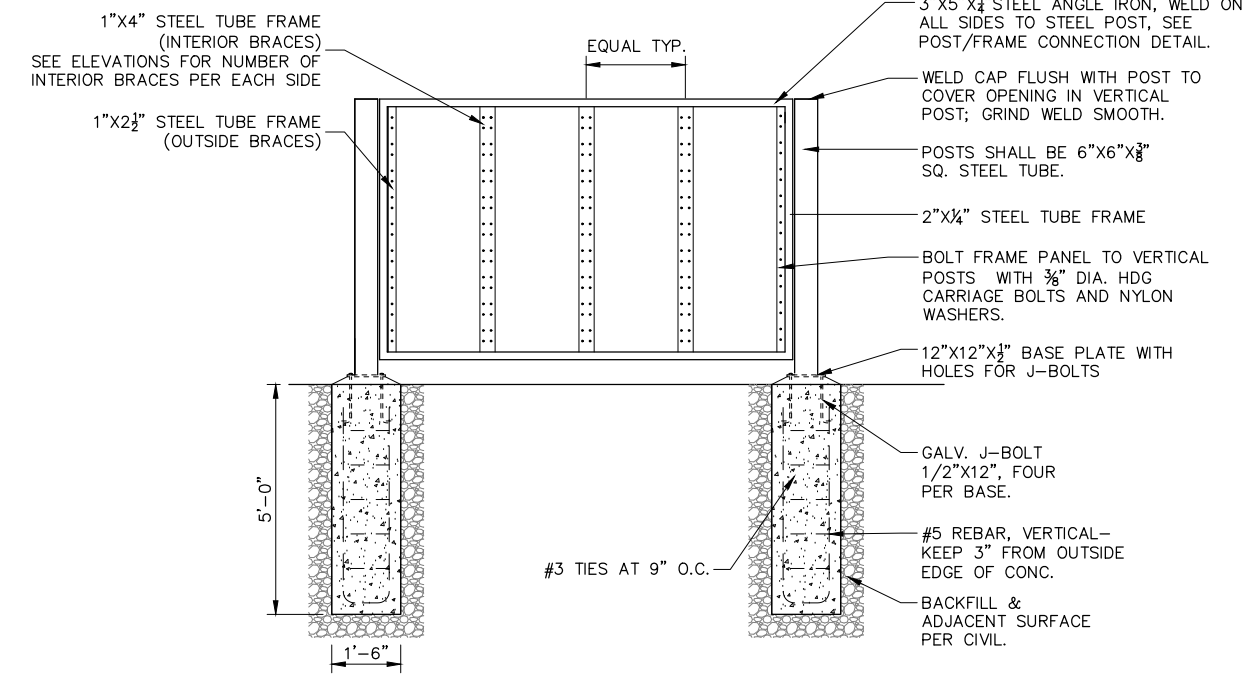
SIDE ELEVATION OF DUMPSTER SCREEN



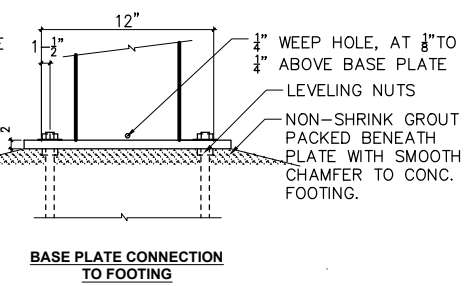
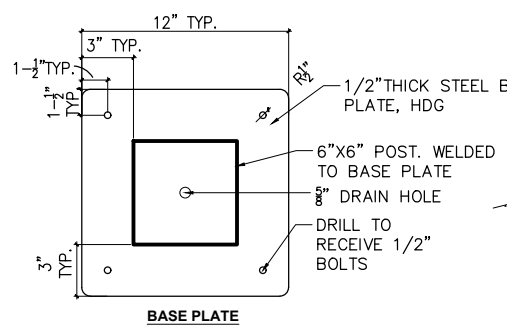
FRONT ELEVATION OF DUMPSTER SCREEN: SWING GATE



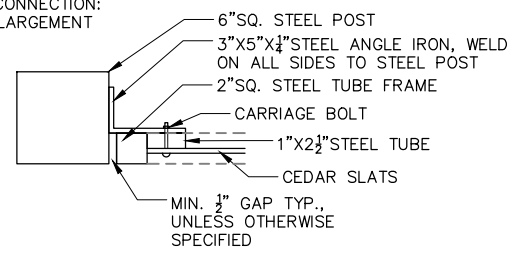
ELEVATION OF SCREEN: POSTS AND METAL FRAME



BASE PLATE ENLARGEMENT



POST/FRAME CONNECTION: PLAN VIEW ENLARGEMENT



1 DUMPSTER SCREEN  
L3.01 NTS

**FLOOR PLAN: GENERAL NOTES**

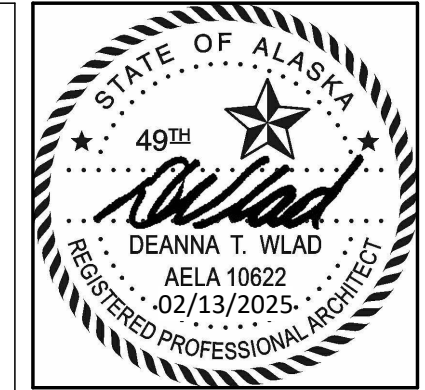
1. REFERENCE G1.00 FOR RATED WALLS AND/OR CEILINGS.
2. REFERENCE G2.00 FOR WALL ASSEMBLIES AND NOTES.
3. REFERENCE A5.00 FOR DOOR SCHEDULE, WINDOW TYPES AND FINISHES.
4. ALL DIMENSIONS ARE TO FACE OF STUD OF NEW CONSTRUCTION, FACE OF FINISH OF EXISTING CONSTRUCTION OR TO GRID LINE.
5. ALL DOORS SHALL BE INSTALLED 5" FROM ADJACENT FACE OF STUD, UNLESS OTHERWISE NOTED ON FLOOR PLAN OR DOOR SCHEDULE.
6. PATCH AND REPAIR EXISTING WALLS AND WINDOW MULLIONS FOR NEW FINISHES WHERE DEMOLITION OCCURS.
7. PROVIDE BLOCKING FOR ALL WALL MOUNTED CASEWORK, COUNTERTOPS AND WALL MOUNTED ACCESSORIES. GENERAL CONTRACTOR SHALL COORDINATE LOCATIONS WITH SUBCONTRACTORS.
8. WOOD BLOCKING SHALL BE FIRE TREATED IN ACCORDANCE WITH LOCAL CODES AND AMENDMENTS.
9. GENERAL CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
10. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHER CABINET(S) IN ACCORDANCE WITH APPLICABLE CODES AND AMENDMENTS.

**FLOOR PLAN: SHEET NOTES**

- 1 48" HIGH WALL
- 2 RECESSED POWER PANEL, REFER TO ELECTRICAL
- 3 KNOX BOX
- 4 WATER SERVICE, REFER TO MECHANICAL
- 5 HOSE REEL WITH POTABLE WATER, REFER TO MECHANICAL
- 6 BLOCKING IN WALL FOR ROOF ACCESS LADDER
- 7 EXTERIOR TACKBOARD, REFER TO 2/A4.00
- 8 GREASE INTERCEPTOR, REFER TO MECHANICAL

**FLOOR PLAN: LEGEND**

- NEW PARTITIONS, REFERENCE G2.00 FOR WALL ASSEMBLIES
- FLOOR DRAIN, REFER TO MECHANICAL
- FLOOR SINK, REFER TO MECHANICAL



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 anchorage, alaska 99518  
 p. 907.344.3424 f. 907.771.9776

**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

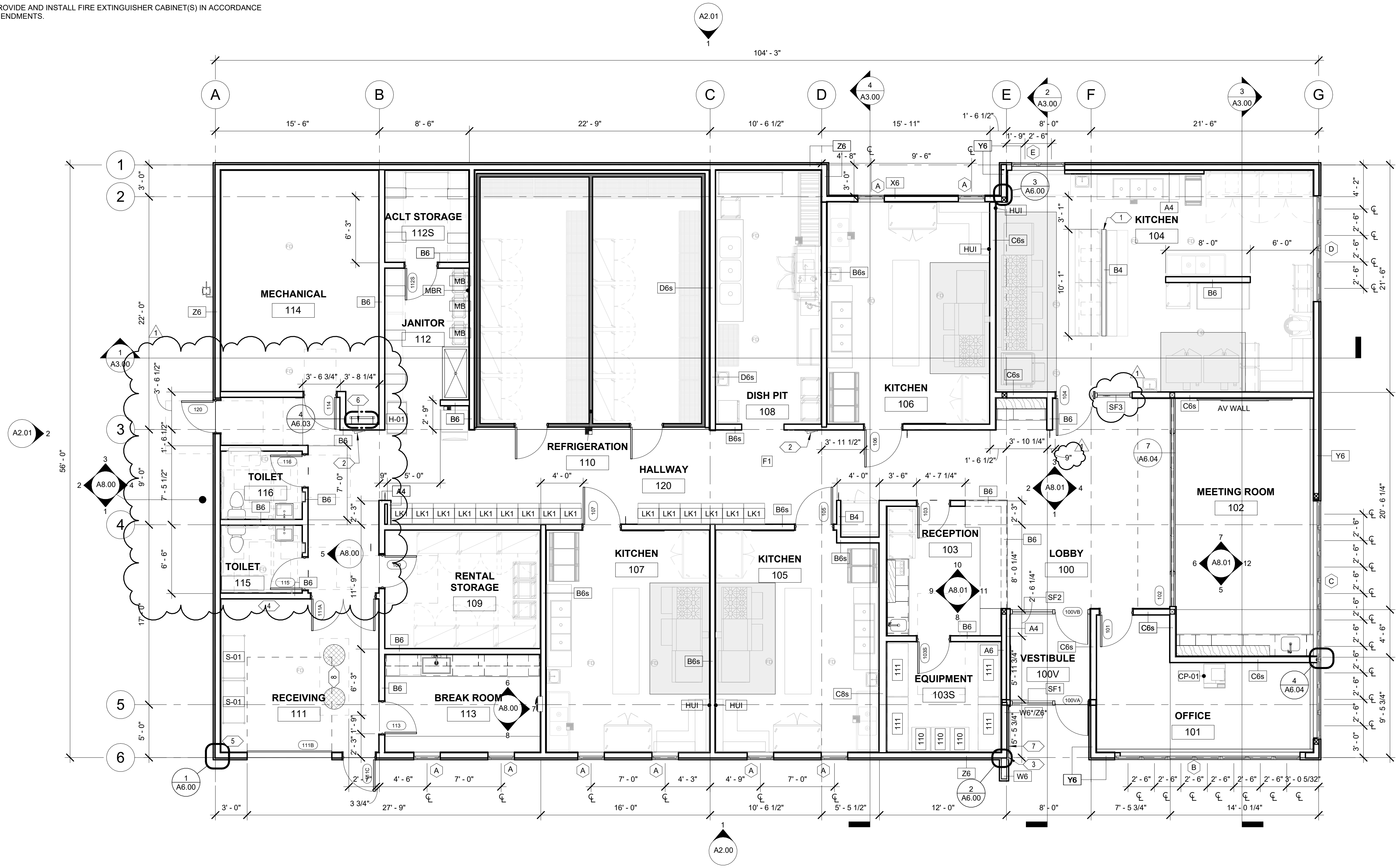
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2028.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN DN  
 REVIEWED DTW

SHEET NAME  
 FLOOR PLAN

SHEET NO.  
**A1.01**

PERMIT DOCUMENTS HALF SCALE WHEN PRINTED AT 11x17





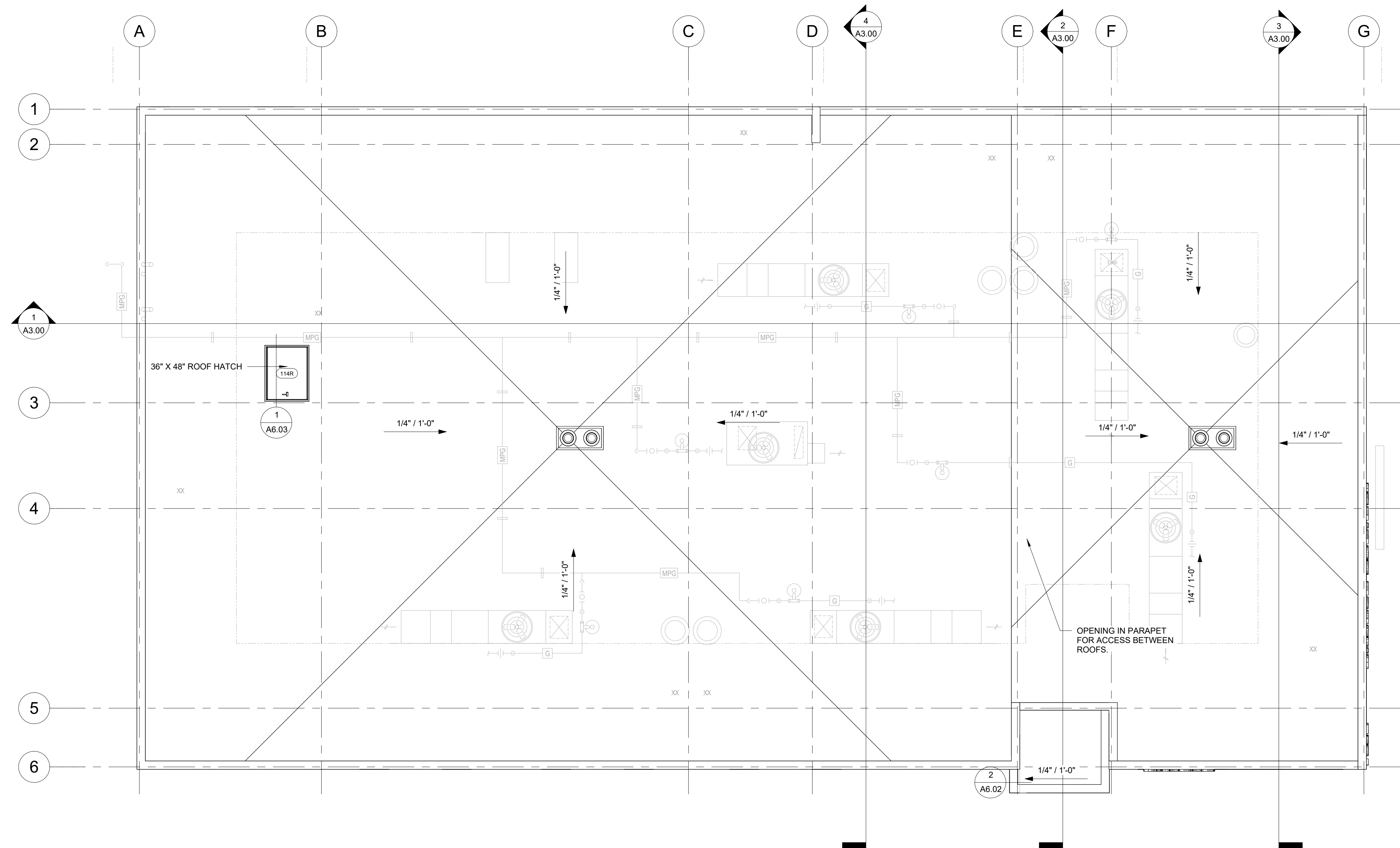
**1 LEVEL 1 - FLOOR PLAN**  
 3/16" = 1'-0"

**ROOF PLAN: GENERAL NOTES**

1. ALL ROOFS SHALL SLOPE AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED.
2. PROVIDE CRICKETS AT ROOF MOUNTED MECHANICAL EQUIPMENT AND ROOF HATCH WHERE NECESSARY. SLOPE 1/4" PER FOOT MINIMUM.
3. ROOF MOUNTED EQUIPMENT SHALL BE LOCATED A MINIMUM OF 10' - 0" FROM ALL ROOF EDGES, WHERE FEASIBLE. INSTALL OSHA REQUIRED FALL PROTECTION EQUIPMENT AS NEEDED.
4. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF ROOFTOP EQUIPMENT, ROOF DRAINS AND OVERFLOW DRAINS.
5. REFER TO BUILDING ELEVATIONS AND SECTION FOR PARAPET HEIGHT.

**ROOF PLAN: LEGEND**

-  ROOF DRAIN
-  OVERFLOW DRAIN



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REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN DN  
 REVIEWED DTW

SHEET NAME  
 ROOF PLAN

SHEET NO.  
**A1.02**

**1** ROOF PLAN  
 3/16" = 1'-0"

**REFLECTED CEILING PLAN: GENERAL NOTES**

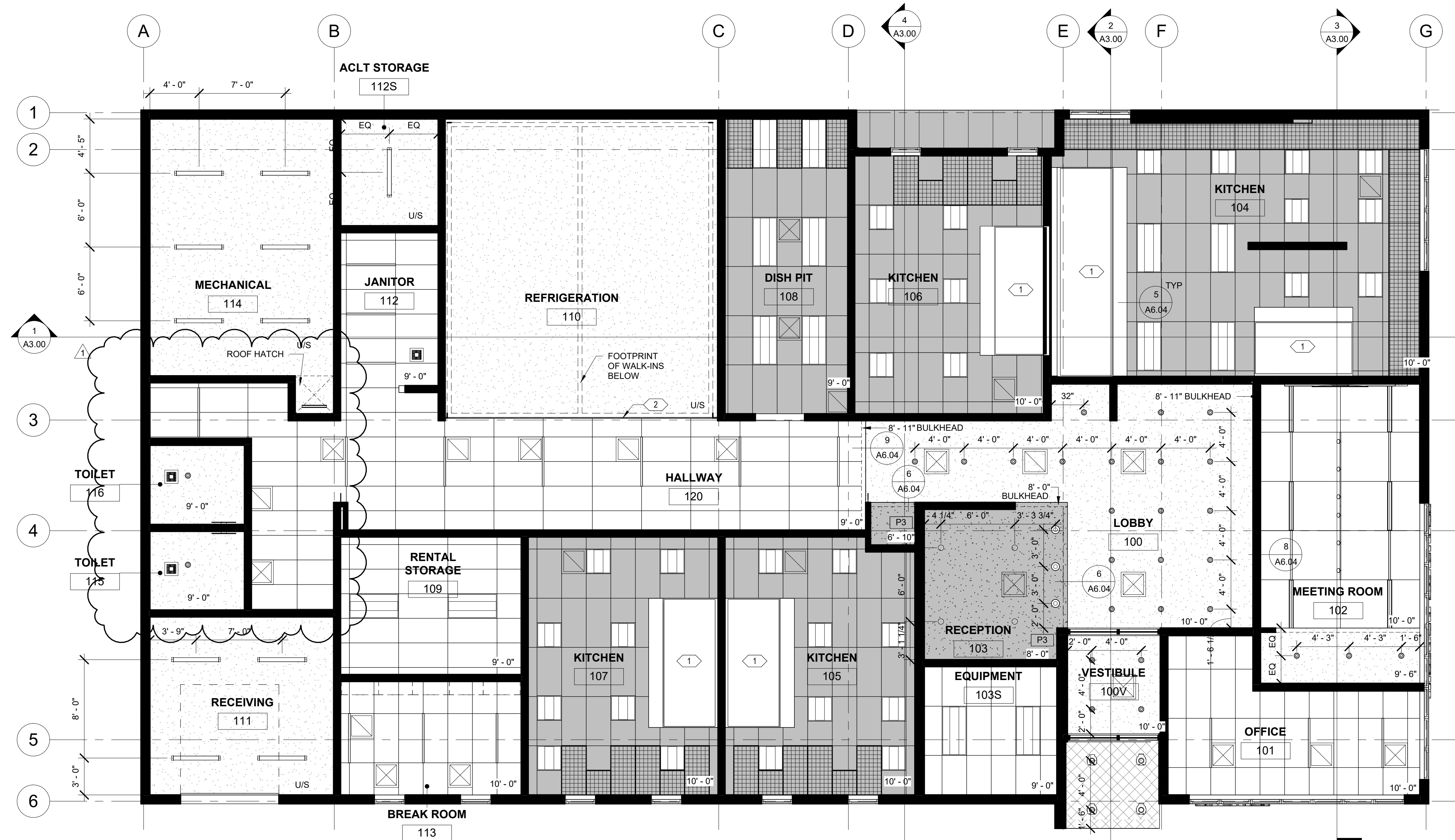
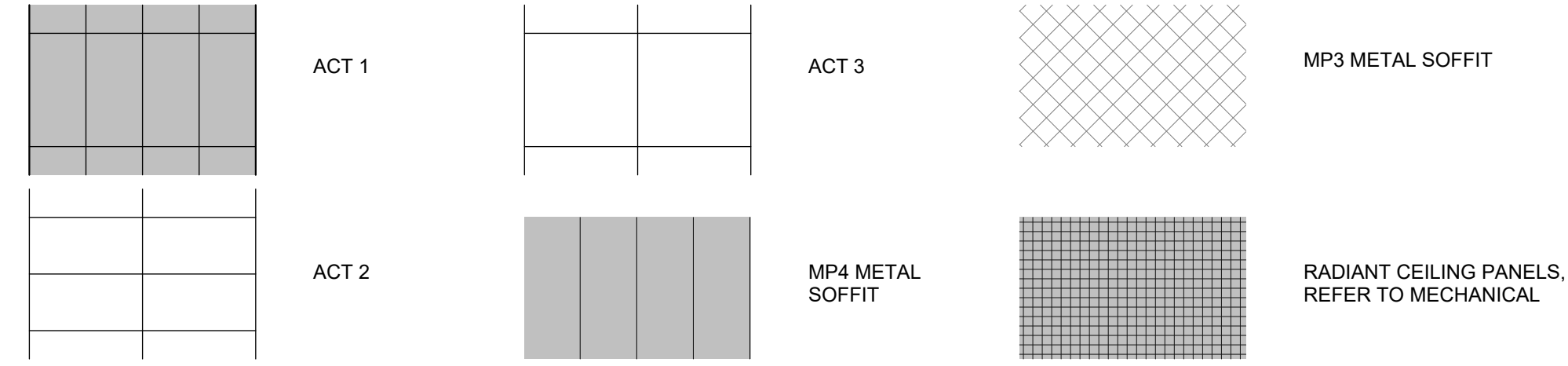
- DIMENSIONS ON REFLECTED CEILING PLANS ARE FROM FACE-OF-FINISH TO FACE-OF-FINISH, UNLESS OTHERWISE NOTED.
- CEILING HEIGHT SHALL BE 9'-0" UNLESS OTHERWISE NOTED.
- ALL CEILINGS SHALL BE ARMSTRONG, KITCHEN ZONE 2X4 ACT CEILING, UNO.
- ALL CEILING MOUNTED ITEMS LOCATED IN A GWB CEILING SHALL BE PAINTED TO MATCH CEILING PAINT COLOR.
- REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL CEILING MOUNTED DEVICES. GENERAL CONTRACTOR SHALL COORDINATE CEILING REQUIREMENTS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

**RCP: SHEET NOTES**

- KITCHEN EXHAUST HOOD, REFER TO MECHANICAL
- CLOSURE PANEL BETWEEN TOP OF WALK-INS AND ACT

**REFLECTED CEILING PLAN: LEGEND**

- NEW PARTITION, EXTEND ABOVE CEILING MINIMUM 6"
- NEW PARTITION, EXTEND TO BOTTOM OF DECK; WHERE MULTIPLE LAYERS OF GWB OCCURS, ONLY INSIDE LAYERS OF GWB SHALL EXTEND TO DECK. SECOND LAYER SHALL EXTEND MINIMUM 6" ABOVE FINISHED CEILING.
- GYP CEILING/SOFFIT, REFERENCE FINISH SCHEDULE FOR PAINT SELECTION
- X' - X" CEILING HEIGHT
- U/S GYP CEILING AT UNDERSIDE OF STRUCTURE
- P3 GYP CEILING/SOFFIT ACCENT PAINT COLOR



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#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN DN  
 REVIEWED DTW

SHEET NAME  
 REFLECTED CEILING PLAN

SHEET NO.  
**A1.11**

**1 REFLECTED CEILING PLAN - LEVEL 1**  
 3/16" = 1'-0"



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REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 EXTERIOR ELEVATIONS

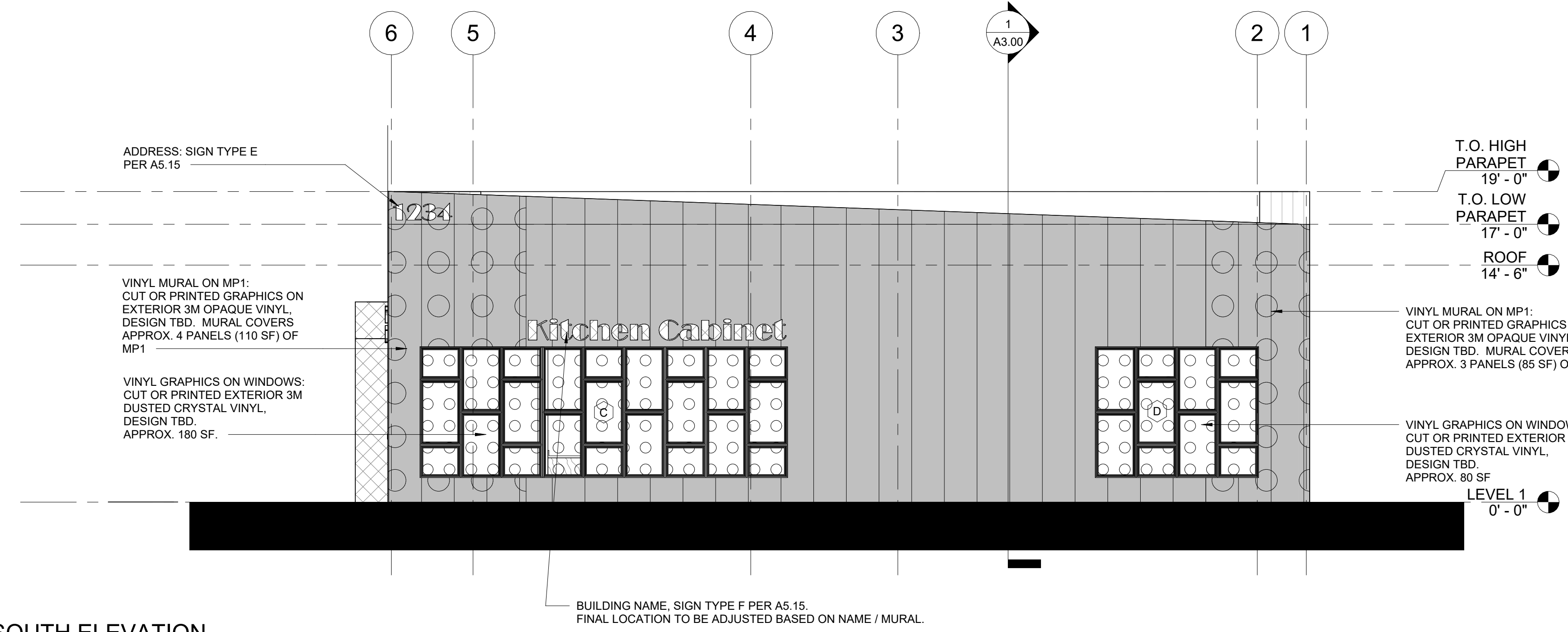
SHEET NO.  
**A2.00**

**EXTERIOR ELEVATIONS: GENERAL NOTES**

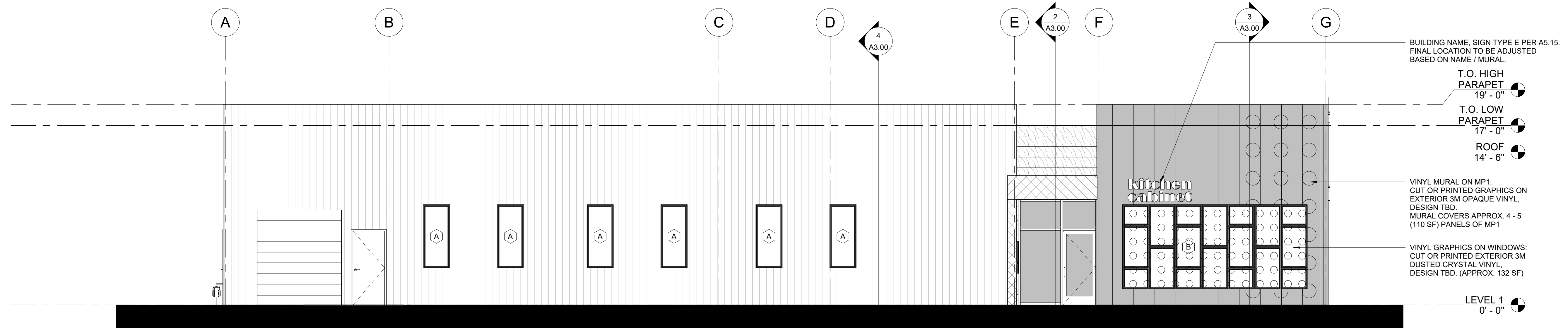
1. ALL UNISTRUT SUPPORTING UTILITY EQUIPMENT SHALL BE PAINTED TO MATCH THE ADJACENT BUILDING FINISH.
2. ALL BLOCKING FOR HOSE BIBS, WALL MOUNTED LIGHTS, RECEPTACLES, ETC. SHALL BE CLAD IN THE SAME SIDING MATERIALS AS THE BUILDING OR COMPLEMENTARY FINISH AS APPROVED BY THE ARCHITECT.
3. REFERENCE G2.00 FOR WALL ASSEMBLIES AND NOTES.
4. REFERENCE A5.00 FOR DOOR, FRAME, STOREFRONT AND WINDOW SCHEDULES.
5. ALL EXHAUST LOCATIONS MUST BE 3' MIN. FROM ANY OPERABLE WINDOW PER IMC.
6. REFER TO MECHANICAL FOR ALL VENT, LOUVER AND EXHAUST SIZES, LOCATION AND MOUNTING HEIGHTS.

**EXTERIOR ELEVATIONS LEGEND**

- EXTERIOR SIDING (MP1) WITH MURAL APPLIED IN FIELD
- EXTERIOR SIDING (MP2)
- EXTERIOR SIDING (MP3) AT ENTRANCE CANOPY
- EXTERIOR SIDING (PLP1)
- POTENTIAL MURAL LOCATIONS ON MP1
- POTENTIAL MURAL LOCATIONS ON EXTERIOR GLAZING



**2 SOUTH ELEVATION**  
 3/16" = 1'-0"



**1 WEST ELEVATION**  
 3/16" = 1'-0"



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REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 EXTERIOR ELEVATIONS

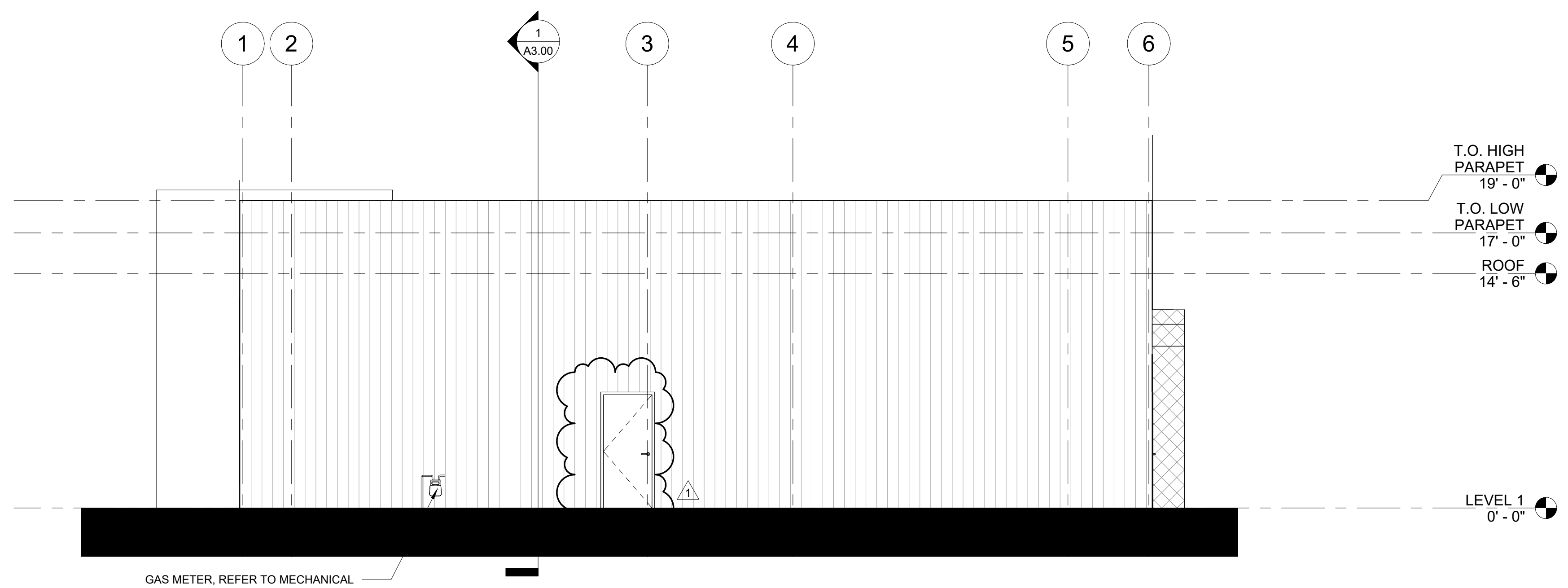
SHEET NO.  
**A2.01**

**EXTERIOR ELEVATIONS: GENERAL NOTES**

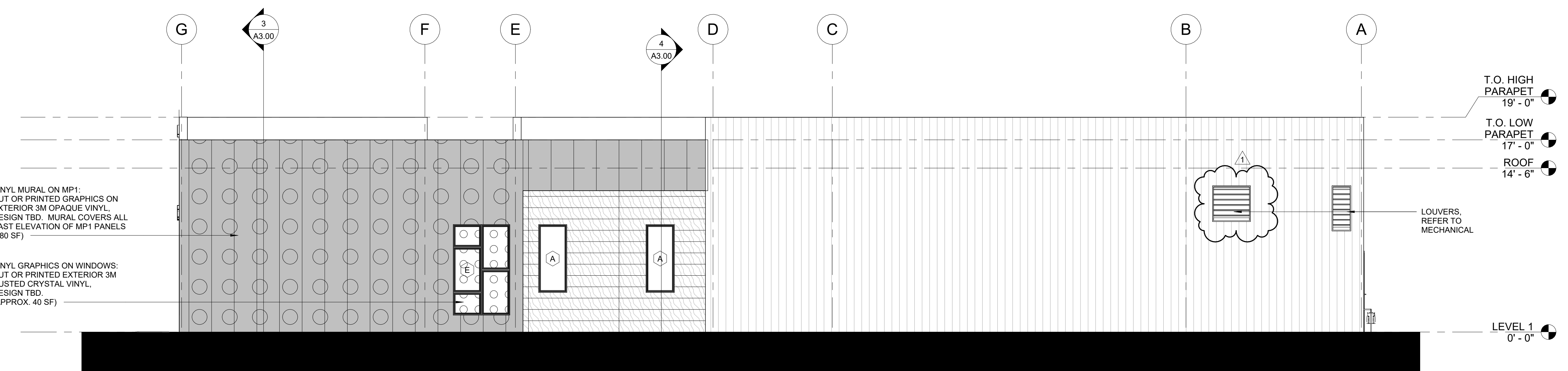
1. ALL UNISTRUT SUPPORTING UTILITY EQUIPMENT SHALL BE PAINTED TO MATCH THE ADJACENT BUILDING FINISH.
2. ALL BLOCKING FOR HOSE BIBS, WALL MOUNTED LIGHTS, RECEPTACLES, ETC. SHALL BE CLAD IN THE SAME SIDING MATERIALS AS THE BUILDING OR COMPLEMENTARY FINISH AS APPROVED BY THE ARCHITECT.
3. REFERENCE G2.00 FOR WALL ASSEMBLIES AND NOTES.
4. REFERENCE A5.00 FOR DOOR, FRAME, STOREFRONT AND WINDOW SCHEDULES.
5. ALL EXHAUST LOCATIONS MUST BE 3' MIN. FROM ANY OPERABLE WINDOW PER IMC.
6. REFER TO MECHANICAL FOR ALL VENT, LOUVER AND EXHAUST SIZES, LOCATION AND MOUNTING HEIGHTS.

**EXTERIOR ELEVATIONS LEGEND**

- EXTERIOR SIDING (MP1) WITH MURAL APPLIED IN FIELD
- EXTERIOR SIDING (MP2)
- EXTERIOR SIDING (MP3) AT ENTRANCE CANOPY
- EXTERIOR SIDING (PLP1)
- POTENTIAL MURAL LOCATIONS ON MP1
- POTENTIAL MURAL LOCATIONS ON EXTERIOR GLAZING



**2 NORTH ELEVATION**  
 3/16" = 1'-0"



**1 EAST ELEVATION**  
 3/16" = 1'-0"



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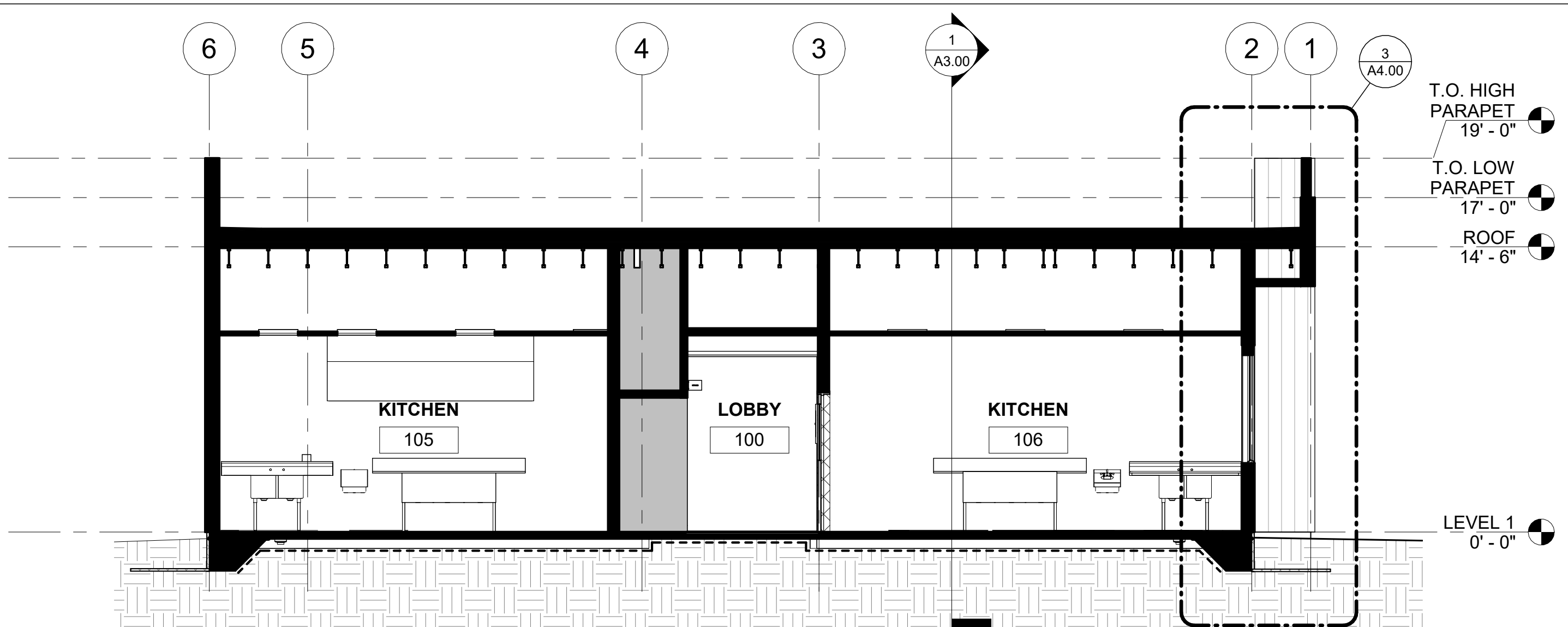
REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN DN  
 REVIEWED DTW

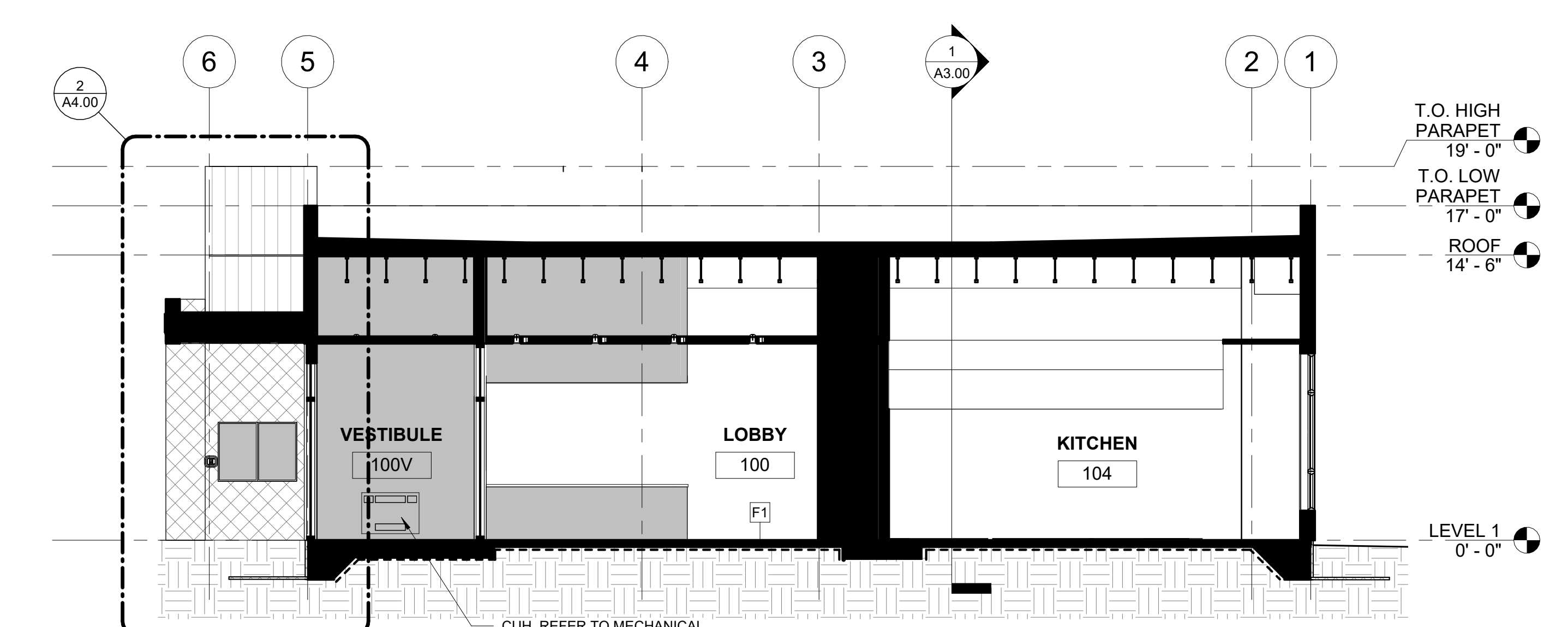
SHEET NAME  
 BUILDING SECTIONS

SHEET NO.  
**A3.00**

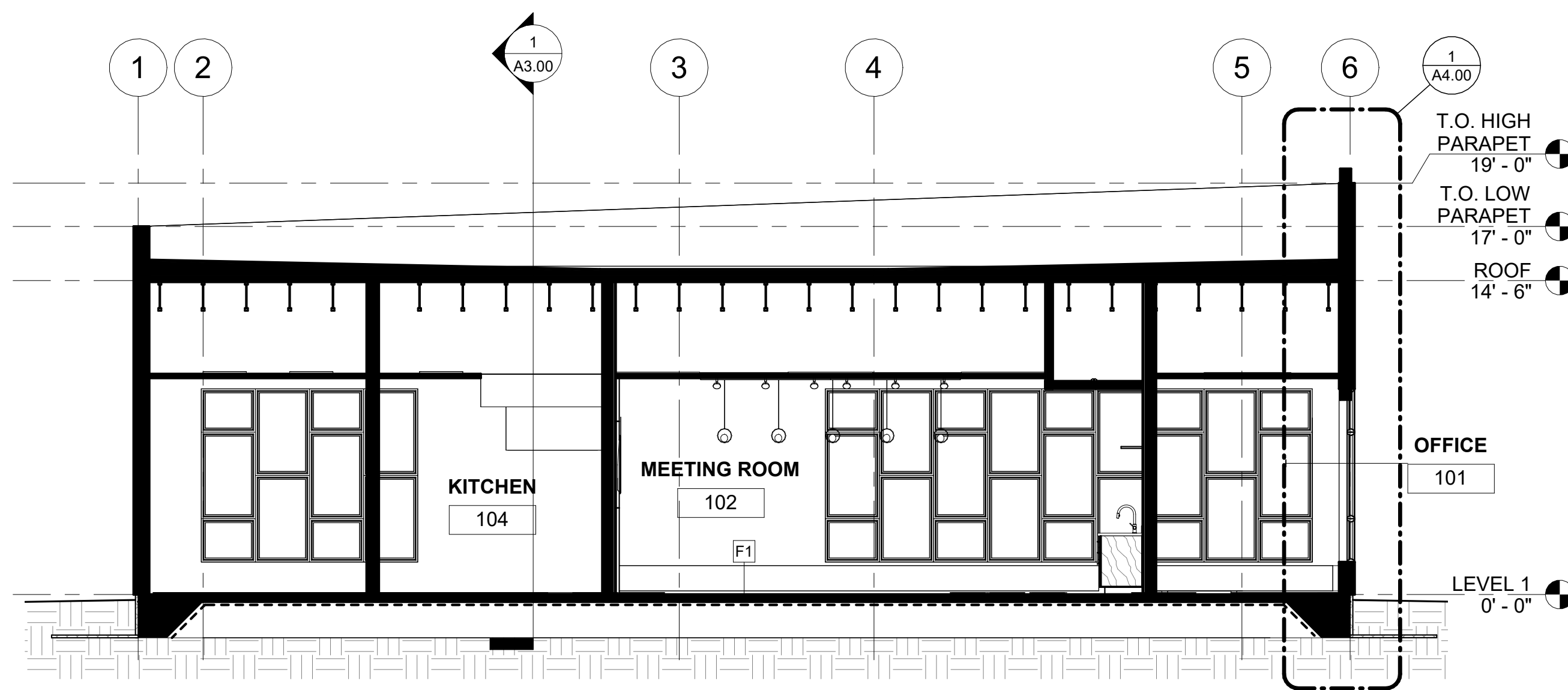
NOTE: INTERIOR SHADING INDICATES  
 ACCENT PAINT COLOR. REFER TO INTERIOR  
 ELEVATIONS AND FINISH PLAN.



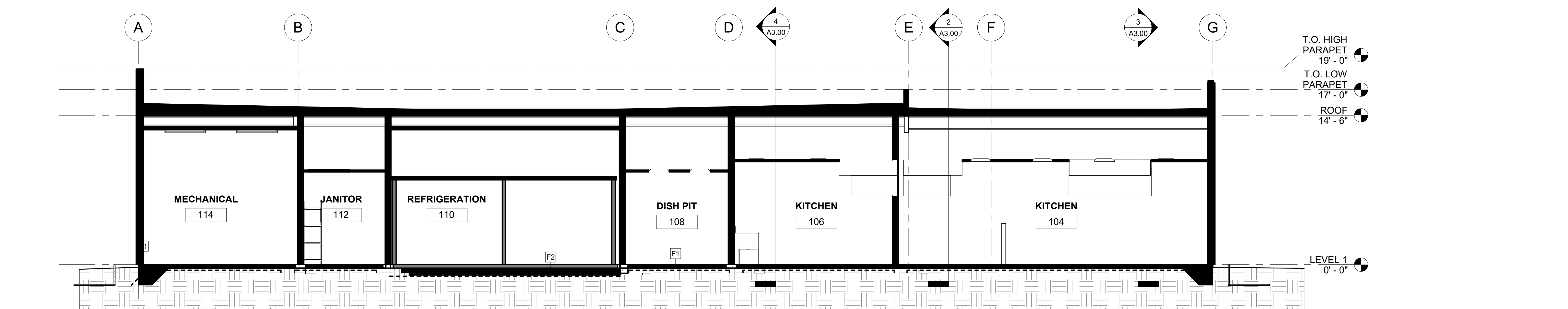
**4 BUILDING SECTION @ D.1**  
 3/16" = 1'-0"



**2 BUILDING SECTION @ E.5**  
 3/16" = 1'-0"



**3 BUILDING SECTION @ F.5**  
 3/16" = 1'-0"



**1 BUILDING SECTION @ 2.7**  
 3/16" = 1'-0"



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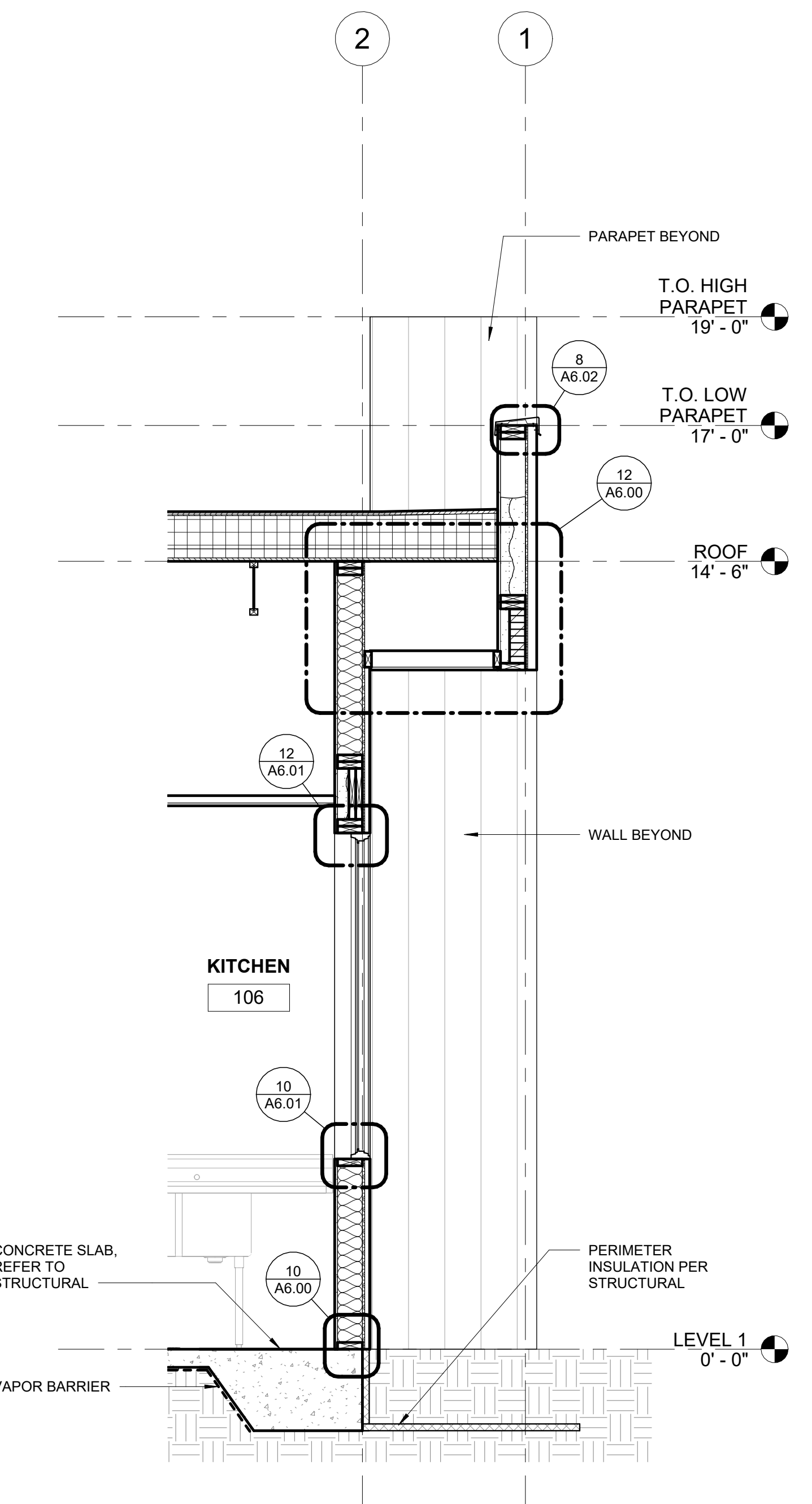
ANCHORAGE COMMUNITY LAND TRUST  
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REVISION SCHEDULE		
#	DESCRIPTION	DATE

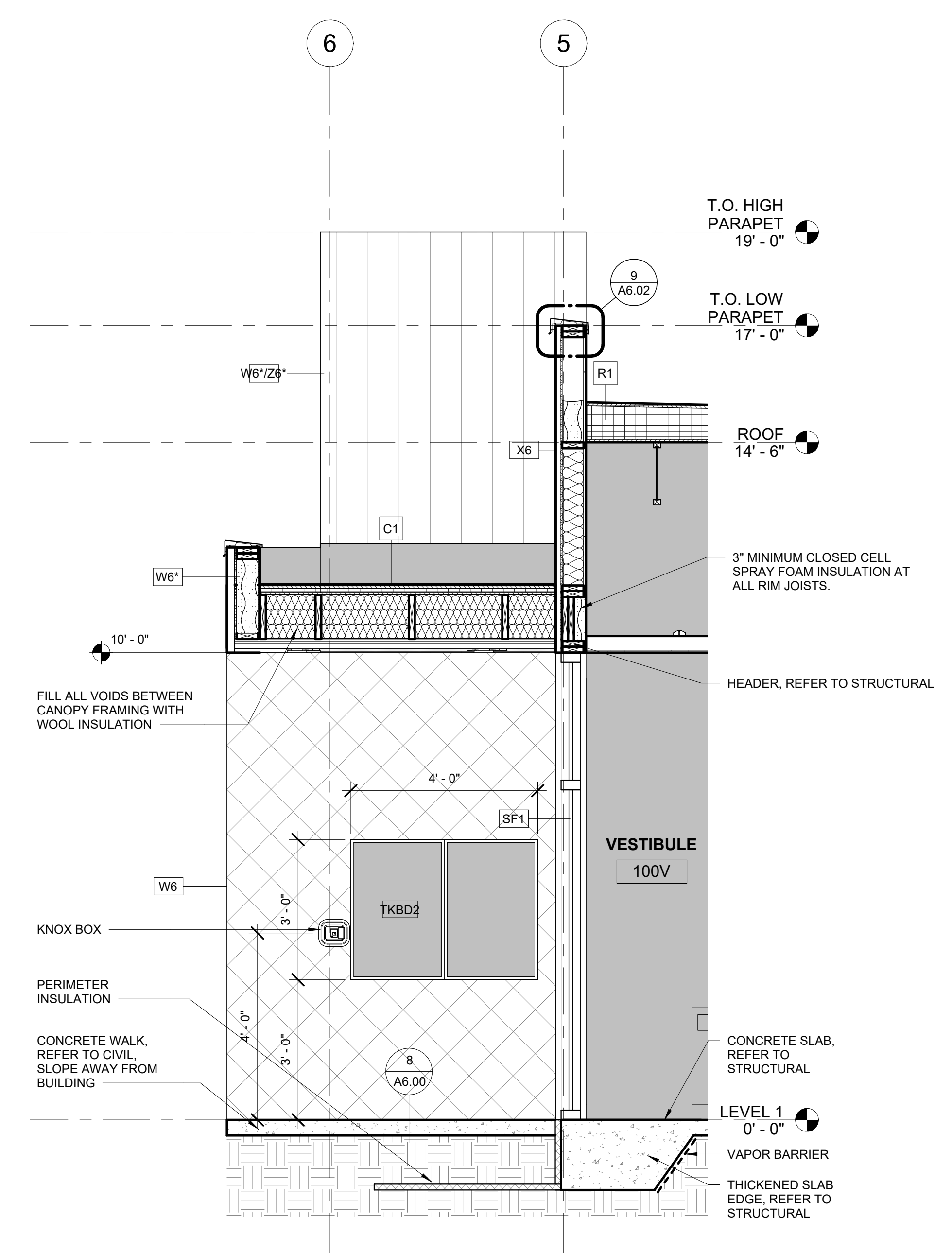
JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 WALL SECTIONS

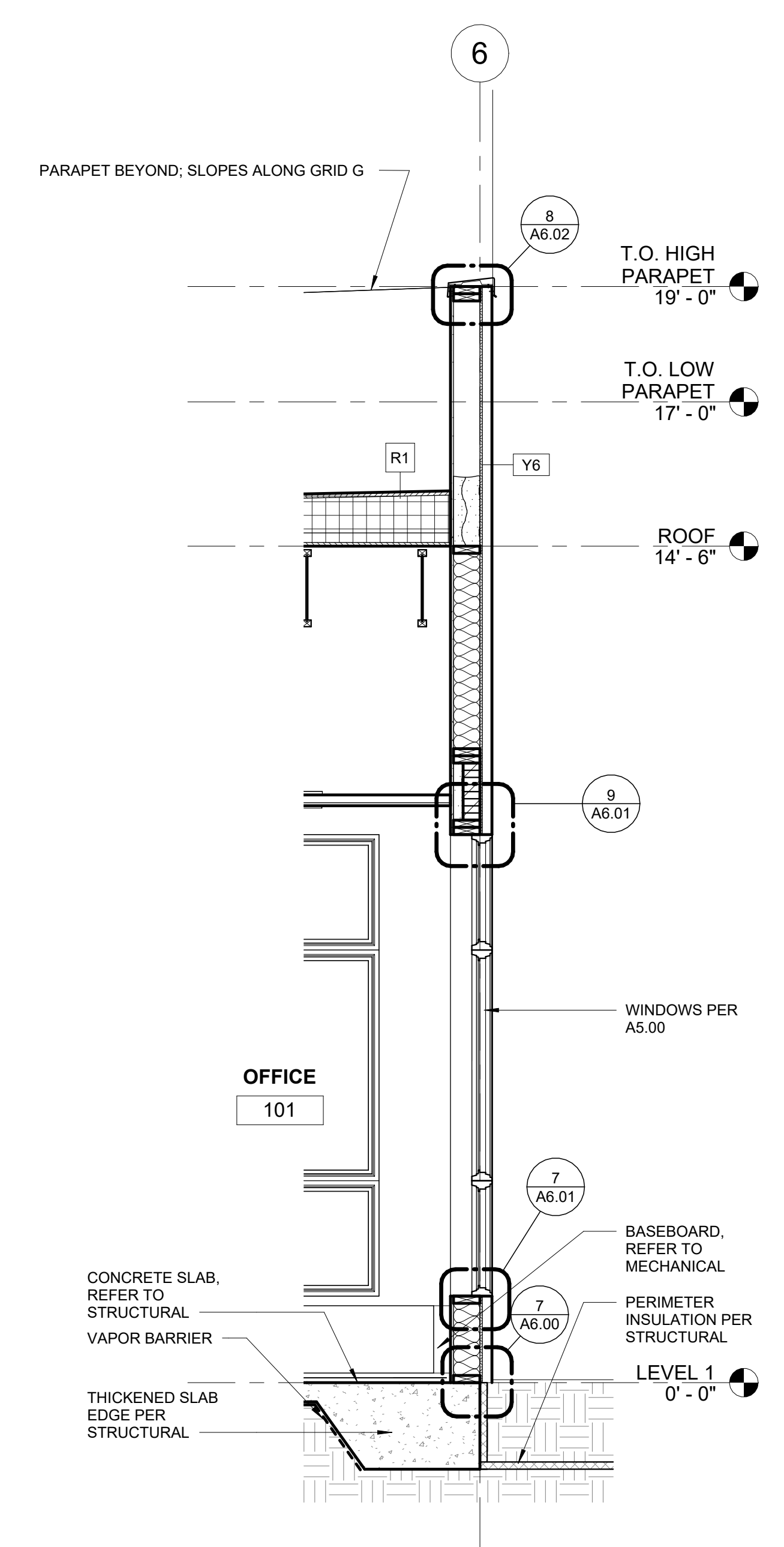
SHEET NO.  
**A4.00**



**3** GRID 2 - EXTERIOR SOFFIT / LOW PARAPET  
 1/2" = 1'-0"



**2** GRID 5 - ENTRY CANOPY / LOW PARAPET  
 1/2" = 1'-0"



**1** GRID 6 - HIGH PARAPET  
 1/2" = 1'-0"

DOOR AND FRAME SCHEDULE																
Level	DOOR NUMBER	DOORS					FRAMES					FIRE RATING	DOOR HARDWARE SET	REMARKS		
		TYPE	MATL	FINISH	GLASS TYPE	SIZE WIDTH HEIGHT	TYPE	MATL	FINISH	HEAD	JAMB				SILL	
LEVEL 1	100VA	E	ALUM	BLACK ANOD	IG1	37"	85"	1	ALUM	BLACK ANOD					SET #1	
LEVEL 1	100VB	E	ALUM	BLACK ANOD	G1	37"	85"	1	ALUM	BLACK ANOD					SET #2	
LEVEL 1	101	E	ALUM	BLACK ANOD	G1	36"	84"	1	ALUM	BLACK ANOD					SET #3	
LEVEL 1	102	G	ALUM	BLACK ANOD	G2	236"	106"	PER MFG	ALUM	BLACK ANOD					SET #4	
LEVEL 1	103	B	HM	P3d	-	36"	84"	1	HM	P3d					SET #5	
LEVEL 1	103S	A	HM	P3d	-	36"	84"	1	HM	P3d					SET #5	
LEVEL 1	104	C	HM	P4d	G1	42"	84"	1	HM	P4d					SET #6A	
LEVEL 1	105	C	HM	P5d	G1	42"	84"	1	HM	P5d					SET #6	
LEVEL 1	106	C	HM	P6d	G1	42"	84"	1	HM	P6d					SET #6	
LEVEL 1	107	C	HM	P7d	G1	42"	84"	1	HM	P7d					SET #6A	
LEVEL 1	109	A	HM	P2d	-	36"	84"	1	HM	P2d					SET #7	
LEVEL 1	111A	A	HM	P2d	-	72"	84"	1	HM	P2d					SET #8	
LEVEL 1	111B	F	PER MFG	FF	-	96"	108"	1	PER MFG	EP1					PER MFG: OH DOOR OPERATOR, INCLUDING SAFETY SENSORS AND WALL MOUNT BUTTONS.	
LEVEL 1	111C	A	IHM	EP1	-	36"	84"	1	HM	EP1					SET #9	
LEVEL 1	112S	A	HM	P2d	-	36"	84"	1	HM	P2d			45 MIN		SET #10	
LEVEL 1	113	B	HM	P2d	G1	36"	84"	1	HM	P2d					SET #11	
LEVEL 1	114	A	HM	P2d	-	36"	84"	1	HM	P2d					SET #12	
LEVEL 1	115	A	HM	P2d	-	36"	84"	1	HM	P2d					SET #13	
LEVEL 1	116	A	HM	P2d	-	36"	84"	1	HM	P2d					SET #13	
LEVEL 1	120	A	IHM	EP1	-	36"	84"	1	HM	EP1					SET #9	
ROOF	114R		SS	FF	-	48"	48"		SS	FF					PER MFG	

### DOOR AND FRAME NOTES

- ALL DOOR HARDWARE TO BE MATTE BLACK.
- GLAZING TYPES: REFER TO COLOR AND MATERIAL LEGEND.
- ALL GLAZING FRAMES IN DOORS SHALL BE FINISHED TO MATCH THE DOOR FINISH.
- FOR ACCESS CONTROL SYSTEM, CONTRACTOR TO PERFORM:
  - A. BASIC HARDWARE INSTALLATION.
  - B. PROVIDE HARDWARE TRAINING AND PROJECT WALK-THROUGH DEMONSTRATING OPERATION OF EACH DEVICE.
  - C. COMMISSION OPERATIONS AND PROVIDE BASIC PROGRAMMING AS REQ. TO BE ABLE TO CONDUCT COMMISSIONING ACTIVITIES.
  - D. OWNER WILL PERFORM PROGRAMMING OF TIME OF DAY FUNCTIONS, NOTIFICATIONS AND ASSIGN SPECIFIC USERS ACCESS LEVELS.



CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

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 p. 907.344.3424 f. 907.771.9776

### DOOR BASIS OF DESIGN

- |  |  |
|--|--|
| <p><b>TYPE A: INSULATED HOLLOW METAL DOOR (IHM)</b></p> <ul style="list-style-type: none"> <li>CURRIES</li> <li>707 SERIES HEAVY DUTY SEAMLESS WITH WELDED EDGE, 18 GAUGE, POLYSTYRENE CORE</li> <li>PRIMED / READY TO PAINT, PER SCHEDULE</li> <li>U-VALUE: 0.20 MAXIMUM</li> </ul> | <p><b>TYPE G (BOD): OPERABLE GLASS PARTITION WALL:</b></p> <ul style="list-style-type: none"> <li>NANAWALL</li> <li>QUOTE NUMBER Q-48290</li> <li>NW ACOUSTICAL 645 FOLDING SYSTEM (ALUMINUM)</li> <li>CONFIGURATION: O1L, O4LR, O1R</li> <li>FLOOR SUPPORTED</li> <li>OUTWARD OPENING</li> <li>TYPE OF GLASS: 1 7/16" (36MM), 6 MM + 6MM</li> <li>STC 45 ENHANCED LAMINATED GLASS</li> <li>GLASS SPACER BAR FINISH: BLACK</li> <li>HARDWARE ON SWING PANELS: MULTIPOINT LOCKING WITH LATCH, DEADBOLT AND LEVER HANDLES ON BOTH SIDES ON SWING PANEL (DOES NOT LOCK WITH ONE MOTION). THUMB TURN ON INSIDE AND KEY CYLINDER ON OUTSIDE. BLACK TITANIUM FINISH.</li> <li>HARDWARE ON SECONDARY PANELS: 2 POINT LOCKING WITH FLAT HANDLE</li> <li>STAINLESS STEEL WITH BLACK TITANIUM</li> <li>HINGE FINISH: BLACK TITANIUM</li> <li>SILL TYPE: SURFACE MOUNTED FLUSH SILL</li> <li>SILL FINISH: BLACK ANODIZED</li> </ul> |
| <p><b>TYPE A: HOLLOW METAL DOOR (HM)</b></p> <ul style="list-style-type: none"> <li>CURRIES</li> <li>707 SERIES HEAVY DUTY SEAMLESS WITH WELDED EDGE, 18 GAUGE, POLYSTYRENE CORE</li> <li>PRIMED / READY TO PAINT, PER SCHEDULE</li> <li>FIRE RATING PER DOOR SCHEDULE</li> </ul>    | <p><b>TYPE G1 (ALT 1): HYBRID GLASS SWING DOOR / TELESCOPING GLASS WALL:</b></p> <ul style="list-style-type: none"> <li>TEKNION</li> <li>FINISH: MATTE BLACK</li> <li>(1) 36" OPTOS SWING/PIVOT FULL GLASS DOOR ON EAST SIDE OF OPENING.</li> <li>TELESCOPING SYSTEM FOR REMAINDER OF THE OPENING, PANELS SLIDE TO WEST SIDE.</li> </ul>   |
| <p><b>TYPE B: HOLLOW METAL DOOR (HM)</b></p> <ul style="list-style-type: none"> <li>CURRIES</li> <li>707 SERIES HEAVY DUTY SEAMLESS WITH WELDED EDGE, 18 GAUGE, POLYSTYRENE CORE</li> <li>PRIMED / READY TO PAINT, PER SCHEDULE</li> <li>GLAZING: REFER TO SCHEDULE</li> </ul>       | <p><b>TYPE G2 (ALT 2): STOREFRONT:</b></p> <ul style="list-style-type: none"> <li>KAWNEER</li> <li>FINISH: BLACK</li> <li>(2) TYPE E DOORS WITH FIXED PANEL ABOVE</li> <li>FIXED PANELS BETWEEN DOORS WITH MULLION TO ALIGN WITH TOP OF DOORS.</li> </ul>  |
| <p><b>TYPE C: HOLLOW METAL DOOR (HM)</b></p> <ul style="list-style-type: none"> <li>CURRIES</li> <li>707 SERIES HEAVY DUTY SEAMLESS WITH WELDED EDGE, 18 GAUGE, POLYSTYRENE CORE</li> <li>PRIMED / READY TO PAINT, PER SCHEDULE</li> <li>GLAZING: REFER TO SCHEDULE</li> </ul>       | <p><b>TYPE G3 (ALT 3): FRAMED OPENING:</b></p> <ul style="list-style-type: none"> <li>FRAMED / FINISHED OPENING. OPERABLE GLASS PARTITION TO BE INSTALLED AT A LATER DATE.</li> </ul>  |
| <p><b>TYPE E: STOREFRONT SWINGING DOOR</b></p> <ul style="list-style-type: none"> <li>KAWNEER</li> <li>FULL LITE ALUMINUM SWING DOOR</li> <li>GLAZING: REFER TO DOOR SCHEDULE</li> <li>FINISH: BLACK</li> </ul>  |  |
| <p><b>TYPE F: OVERHEAD DOOR:</b></p> <ul style="list-style-type: none"> <li>HAAS DOOR</li> <li>26 GA V-GROOVE STEEL INSULATED DOOR</li> <li>CHT-816</li> <li>3" THICK POLYURETHANE ABOVE</li> <li>R25.8</li> <li>COLOR: TBD</li> </ul>   |  |

### FRAME BASIS OF DESIGN

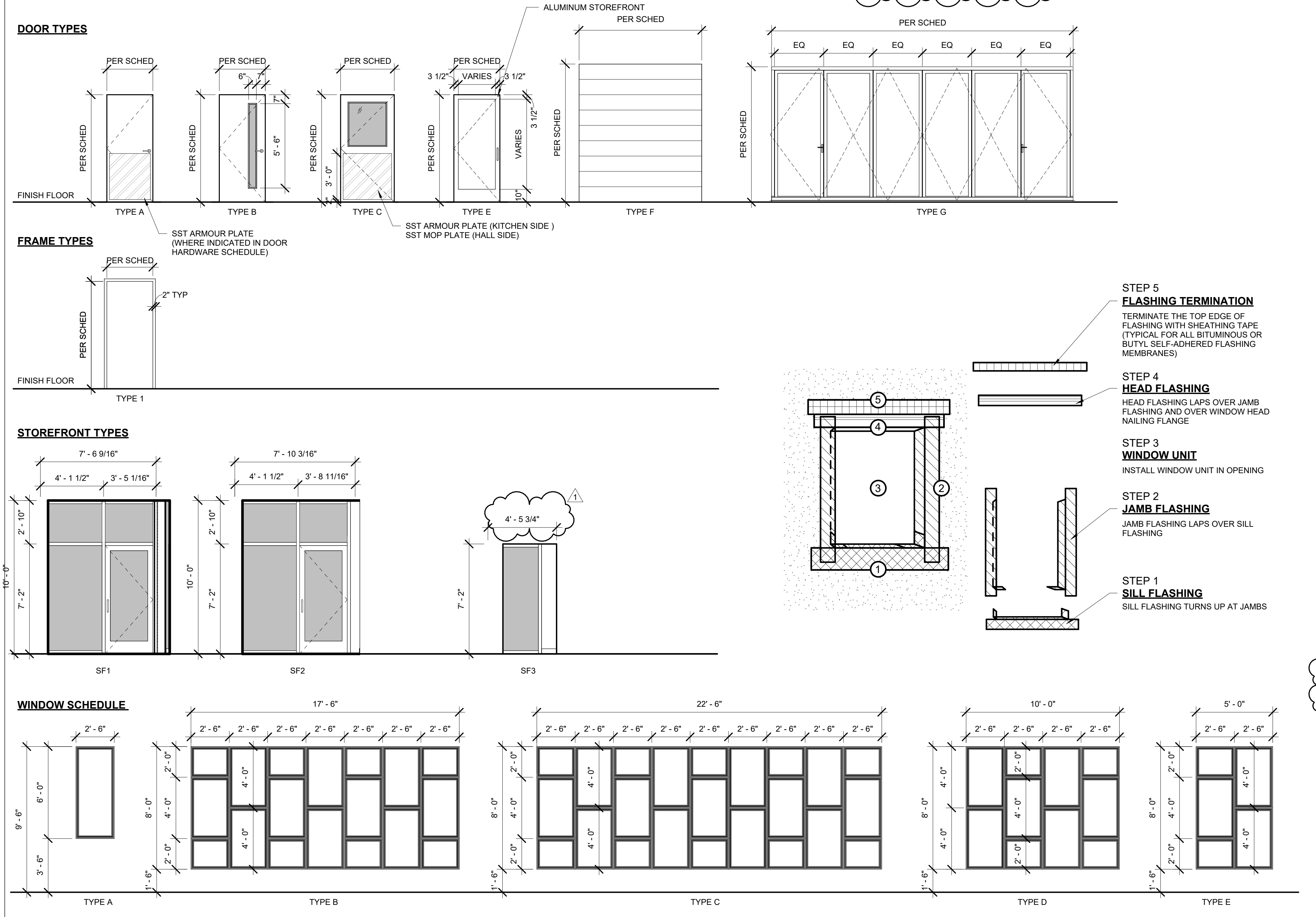
- HOLLOW METAL FRAME BASIS OF DESIGN (HM):**
- TIMELY INDUSTRIES
  - CLASSIC FRAME C-SERIES (18 GAUGE)
  - CASING-TA-8
  - FINISH: PRIMED, PAINT READY, PAINT PER DOOR SCHEDULE.

### DOOR HARDWARE BASIS OF DESIGN

REFER TO SPECIFICATION SECTION 08 71 00.

### WINDOW BASIS OF DESIGN

- |  |  |
|--|--|
| <p><b>WINDOW BASIS OF DESIGN:</b></p> <ul style="list-style-type: none"> <li>MILGARD WINDOWS AND DOORS</li> <li>C650 ULTRA SERIES</li> <li>BLACK BEAN FIBERGLASS</li> <li>GANG WINDOWS TOGETHER PER A2.00 AND A2.01</li> <li>ALL FIXED WINDOWS.</li> <li>TEMPERED GLAZING IN ALL WINDOWS.</li> </ul> | <p><b>WINDOW BASIS OF DESIGN:</b></p> <ul style="list-style-type: none"> <li>MILGARD WINDOWS AND DOORS</li> <li>C650 ULTRA SERIES</li> <li>BLACK BEAN FIBERGLASS</li> <li>GANG WINDOWS TOGETHER PER A2.00 AND A2.01</li> <li>ALL FIXED WINDOWS.</li> <li>TEMPERED GLAZING IN ALL WINDOWS.</li> </ul> |
| <p><b>WINDOW ALTERNATE BASIS OF DESIGN:</b></p> <ul style="list-style-type: none"> <li>ARCADIA</li> <li>T200 SERIES (THERMAL)</li> <li>BLACK ANODIZED ALUMINUM</li> <li>GANG WINDOWS TOGETHER PER A2.00 AND A2.01</li> <li>ALL FIXED WINDOWS.</li> <li>TEMPERED GLAZING IN ALL WINDOWS.</li> </ul>   | <p><b>WINDOW ALTERNATE BASIS OF DESIGN:</b></p> <ul style="list-style-type: none"> <li>ARCADIA</li> <li>T200 SERIES (THERMAL)</li> <li>BLACK ANODIZED ALUMINUM</li> <li>GANG WINDOWS TOGETHER PER A2.00 AND A2.01</li> <li>ALL FIXED WINDOWS.</li> <li>TEMPERED GLAZING IN ALL WINDOWS.</li> </ul>   |



ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2028.03.12

JOB NO.	23-002
DATE	2025.02.12
DRAWN	JACS
REVIEWED	DTW

SHEET NAME  
DOOR AND WINDOW SCHEDULE

SHEET NO.  
**A5.00**

**COLOR AND MATERIAL LEGEND**

MARK	MATERIAL	MANUFACTURER	STYLE / PRODUCT	COLOR	SIZE	FINISH	NOTES
<b>EXTERIOR</b>							
EP1	EXTERIOR PAINT	SHERWIN WILLIAMS		SW 7074 SOFTWARE	-		TO MATCH MP2
IG1	INSULATED GLAZING	-	LOW-E, ARGON FILLED	CLEAR	1" MINIMUM	TEMPERED ON ALL WINDOWS	
MP1	METAL PANEL	METAL SALES	FLUSH PANEL	MATTE BLACK 106			
MP2	METAL PANEL	METAL SALES	TBD - BOX RIB OR REVERSED BOX RIB	MISTIQUE PLUS W31			
MP3	METAL PANEL / SOFFIT PANEL	METAL SALES	FLUSH PANEL (COLOR)	TERRA COTTA W72			
MP4	METAL SOFFIT PANEL	METAL SALES	TBD	MATTE BLACK 106			
PLP1	PHENOLIC LAMINATE PANEL	ABET LAMINATI	MEG QUICK SHIP PRODUCT	METROPOLITAN WALNUT			
<b>BASE</b>							
RB1	RUBBER BASE	TARKETT	TOE	BURNT UMBER 63	4"	-	-
<b>CASEWORK</b>							
PL1	PLASTIC LAMINATE	FORMICA	HIGH PRESSURE LAMINATE	5883-58 PECAN WOODLINE	-	MATTE	GRAIN RUNS VERTICAL
SS1	SOLID SURFACE	WILSONART	SOLID SURFACE	COOL BASALT 925ISS	-	-	COUNTERTOPS AND BACKSPLASH
<b>CEILING</b>							
ACT1	ACOUSTICAL CEILING TILE	ARMSTRONG CEILING	KITCHEN ZONE SQUARE LAY-IN 15/16"	WHITE (WH)	24" X 48"	USE WITH WHITE 15/16" GRID	
ACT2	ACOUSTICAL CEILING TILE	ARMSTRONG CEILING	OPTIMA SQUARE TEGULAR	WHITE (WH)	24"X 48" X 3/4"		
ACT3	ACOUSTICAL CEILING TILE	ARMSTRONG CEILING	OPTIMA SQUARE TEGULAR	WHITE (WH)	48"X 48"X 1"		MEETING ROOM CEILING
<b>FLOOR</b>							
CONC1	CONCRETE - POLISHED						
RF1	RESILIENT FLOORING	ALTRO	CLASSIC 25	ANVIL - X2594	SHEETGOOD	-	ALL KITCHENS / DISH PIT - COVE UP WALL 6". USE MATCHING WELD-ROD AND TRIM PIECES THAT CONNECT WITH WALL PROTECTION.
RF2	RESILIENT FLOORING	PATCRAFT	ITERATE / I638V	SHIFT - V1 / 00900	9" X 36"	20 MIL WEAR LAYER	STAGGERED INSTALLATION.
TR1	TRANSITION STRIP	TARKETT	WHEELLED TRAFFIC TRANSITION CTA-63-HT	BURNT UMBER 63	-	-	USE BETWEEN RF1 AND RF2
TR2	TRANSITION STRIP	TARKETT	WHEELLED TRAFFIC TRANSITION CTA-63-JL	BURNT UMBER 63	-	-	USE BETWEEN RF2 AND CONC1
<b>MISC</b>							
G1	GLAZING - INTERIOR	-	-	CLEAR	AS REQUIRED	TEMPERED	
G2	GLAZING - INTERIOR OPERABLE PARTITION	NANAWALL	DOUBLE GLAZING - 1 5/8" (42MM), 8MM + 8MM STC 47 ENHANCED LAMINATED GLASS	CLEAR	AS REQUIRED	TEMPERED	
SS2	SOLID SURFACE WINDOW SILLS	WILSONART	SOLID SURFACE	COCONUT OIL 9100GS	-	-	WINDOW SILLS
WDW1	WINDOW COVERING	SWF CONTRACT	CROSSHATCH S100	SHADE: EBONY 7908 FASCIA: 939 BLACK	1% OPENNESS	INSIDE MOUNT, SQUARE FASCIA COVE	REFER TO A5.11 FOR LOCATIONS.
<b>WALLS</b>							
AP1	ACOUSTIC WALL PANEL	CSI CREATIVE	SOUNDCORE WOOD TEXTURE / SUR-PLF-001	SND714 ENGLISH WALNUT	48" X 108" X 1/2"	-	WALL AROUND MONITOR IN MEETING ROOM, REFER TO INTERIOR ELEVATIONS
AP2	ACOUSTIC WALL PANEL	CSI CREATIVE	SOUNDCORE / SUR-PLF-001	SND103 STORM CLOUD	48" X 108" X 1/2"	-	WALL AROUND MONITOR IN MEETING ROOM, REFER TO INTERIOR ELEVATIONS
CG1	CORNER GUARD	INPRO CORP	SURFACE MOUNT STAINLESS STEEL CORNER GUARD	STAINLESS STEEL, TYPE 304 (KITCHEN GRADE), 16-GAUGE	2" X 2" X 8"	SATIN FINISH	-
P1	PAINT - GENERAL	SHERWIN WILLIAMS	1ST COAT: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER 2ND+3RD COATS: PROMAR 200 ZERO VOC LATEX	SW 7006 EXTRA WHITE	-	CASHMERE LOW-LUSTER	
P2	PAINT - ACCENT (NEUTRAL)	SHERWIN WILLIAMS	1ST COAT: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER 2ND+3RD COATS: PROMAR 200 ZERO VOC LATEX	SW 2840 HAMMERED SILVER	-	CASHMERE LOW-LUSTER	
P2d	PAINT - DOORS (NEUTRAL)	SHERWIN WILLIAMS	1ST COAT: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER 2ND + 3RD COATS: PROINDUSTRIAL PRE-CATALYZED (1-PART) WATERBASED EPOXY WITH METAL PRIMER	SW 2840 HAMMERED SILVER	-	SEMI-GLOSS	
P3	PAINT - ACCENT (TERRA COTTA)	SHERWIN WILLIAMS	1ST COAT: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER 2ND+3RD COATS: PROMAR 200 ZERO VOC LATEX	SW 0040 ROYCROFT ADOBE	-	CASHMERE LOW-LUSTER	
P3d	PAINT - DOORS (TERRA COTTA)	SHERWIN WILLIAMS	1ST COAT: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER 2ND + 3RD COATS: PROINDUSTRIAL PRE-CATALYZED (1-PART) WATERBASED EPOXY WITH METAL PRIMER	SW 0040 ROYCROFT ADOBE	-	SEMI-GLOSS	
P3e	PAINT - EPOXY (TERRA COTTA)	SHERWIN WILLIAMS	1ST COAT: PROMAR 2000 ZERO VOC INTERIOR LATEX PRIMER; 2ND + 3RD COATS: PRO INDUSTRIAL PRE-CATALYZED (1-PART) WATER BASED EPOXY	SW 0040 ROYCROFT ADOBE	-	EG-SHEL	
P4d	PAINT - DOORS (PURPLE)	SHERWIN WILLIAMS	1ST COAT: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER 2ND + 3RD COATS: PROINDUSTRIAL PRE-CATALYZED (1-PART) WATERBASED EPOXY WITH METAL PRIMER	SW 6293 FABULOUS GRAPE	-	SEMI-GLOSS	
P4e	PAINT - EPOXY (PURPLE)	SHERWIN WILLIAMS	1ST COAT: PROMAR 2000 ZERO VOC INTERIOR LATEX PRIMER; 2ND + 3RD COATS: PRO INDUSTRIAL PRE-CATALYZED (1-PART) WATER BASED EPOXY	SW 6293 FABULOUS GRAPE	-	EG-SHEL	
P5d	PAINT - DOORS (PINK)	SHERWIN WILLIAMS	1ST COAT: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER 2ND + 3RD COATS: PROINDUSTRIAL PRE-CATALYZED (1-PART) WATERBASED EPOXY WITH METAL PRIMER	SW 6580 CERISE	-	SEMI-GLOSS	
P5e	PAINT - EPOXY (PINK)	SHERWIN WILLIAMS	1ST COAT: PROMAR 2000 ZERO VOC INTERIOR LATEX PRIMER; 2ND + 3RD COATS: PRO INDUSTRIAL PRE-CATALYZED (1-PART) WATER BASED EPOXY	SW 6580 CERISE	-	EG-SHEL	
P6d	PAINT - DOORS (RED)	SHERWIN WILLIAMS	1ST COAT: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER 2ND + 3RD COATS: PROINDUSTRIAL PRE-CATALYZED (1-PART) WATERBASED EPOXY WITH METAL PRIMER	SW 6594 POINSETTIA	-	SEMI-GLOSS	
P7d	PAINT - DOORS (ORANGE)	SHERWIN WILLIAMS	1ST COAT: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER 2ND + 3RD COATS: PROINDUSTRIAL PRE-CATALYZED (1-PART) WATERBASED EPOXY WITH METAL PRIMER	SW 6885 KNOCKOUT ORANGE	-	SEMI-GLOSS	
SST	STAINLESS STEEL WALL PROTECTION					SMOOTH	PANELS ON WALL UNDER HOOD IN EVERY KITCHEN
TKBD1	TACKBOARD	FORBO	BULLETIN BOARD	2007 CINNAMON BARK	-	-	-
WP1	WALL PROTECTION	ALTRO	PURAGUARD	SALT - W139	4' X 10'	SMOOTH	ALL KITCHENS / DISH PIT, INCLUDE ALL TRIMS, ETC.
WP2a	WALL PROTECTION	ALTRO	WHITEROCK CHAMELEON	FENG SHUI - 6617	4' X 10'	WRITEABLE SURFACE	(1) WP2 PANEL FOR EACH KITCHEN AS A WRITABLE SURFACE.
WP2b	WALL PROTECTION	ALTRO	WHITEROCK CHAMELEON	JUICY LUCY - 6620	4' X 10'	WRITEABLE SURFACE	
WP2c	WALL PROTECTION	ALTRO	WHITEROCK CHAMELEON	SHOCKING PINK - 6616	4' X 10'	WRITEABLE SURFACE	
WP2d	WALL PROTECTION	ALTRO	WHITEROCK CHAMELEON	MOULIN ROUGE - 6618	4' X 10'	WRITEABLE SURFACE	
WP3	WALL PROTECTION	INPRO CORP	PALLADIUM RIGID WALL PROTECTION	0237 SLATE	4' X 10'	-	ALL KITCHENS / DISH PIT, INCLUDE ALL TRIMS, ETC.
WP4	WALL PROTECTION	INPRO CORP	PALLADIUM RIGID WALL PROTECTION	0238 FEATHER	4' X 10'	-	HALLWAY WALL PROTECTION

**ROOM FINISH SCHEDULE**

RM NUM	ROOM NAME	FLOOR	BASE	WALLS				CEILING FINISH	COMMENTS / NOTES
				NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL		
100	LOBBY	RF2	RB1	P3	P1 / P5e / WP4	-	P1 / P3	GYP / P1	
100V	VESTIBULE	WOM1	RB1	P3	-	-	-	GYP / P1	
101	OFFICE	RF2	RB1	P1	P1	P1	P1	ACT2	
102	MEETING ROOM	RF2	RB1	P1	P1	P1	P1 / P3e / P4e / P5e	ACT3 / GYP / P1	
103	RECEPTION	RF2	RB1	P3e	P3	P3	P3	GYP / P3	
103S	EQUIPMENT	CONC1	RB1	P1	P1	P1	P1	ACT2	
104	KITCHEN	RF1	RF1: 6" COVE	SST / WP1 / WP2a	WP1	WP1	WP1	ACT1	(1) WP2 WRITABLE PANEL IN EACH KITCHEN, REFER TO FINISH PLAN FOR LOCATION
105	KITCHEN	RF1	RF1: 6" COVE	SST / WP1	WP1 / WP2c	WP1	WP1	ACT1	(1) WP2 WRITABLE PANEL IN EACH KITCHEN, REFER TO FINISH PLAN FOR LOCATION
106	KITCHEN	RF1	RF1: 6" COVE	WP1	WP1	SST / WP1	WP1 / WP2d	ACT1	(1) WP2 WRITABLE PANEL IN EACH KITCHEN, REFER TO FINISH PLAN FOR LOCATION
107	KITCHEN	RF1	RF1: 6" COVE	WP1	WP1 / WP2b	SST / WP1	WP1	ACT1	(1) WP2 WRITABLE PANEL IN EACH KITCHEN, REFER TO FINISH PLAN FOR LOCATION
108	DISH PIT	RF1	RF1: 6" COVE	WP1	WP1	WP1	WP1	ACT1	
109	RENTAL STORAGE	CONC1	RB1	P1 / WP4	P1 / WP4	P1 / WP4	P1 / WP4	ACT2	
110	REFRIGERATION	CONC1	RB1	P1	P1	P1	P1	ACT2	
111	RECEIVING	CONC1	RB1	P1 / WP4	P1 / WP4	P1 / WP4	P1 / WP4	GYP / P1	
112	JANITOR	RF1	RF1: 6" COVE	P2 / WP3	P2 / WP3	WP3	WP3	ACT2	
112S	ACL STORAGE	CONC1	RB1	P1	P1	P1	P1	GYP / P1	
113	BREAK ROOM	RF2	RB1	P1	P1 / P4e	P1	P1 / TKBD1	ACT2	
114	MECHANICAL	CONC1	RB1	P1	P1	P1 / WP3	P1	GYP / P1	WP3 ON WALL BEHIND ROOF ACCESS LADDER.
115	TOILET	RF2	RB1	P3e	P3e	P3e	P3e	GYP / P7	
116	TOILET	RF2	RB1	P3e	P3e	P3e	P3e	GYP / P7	
120	HALLWAY	RF2	RB1	P1 / WP4	P1 / P2 / WP3 / WP4	-	P1 / P3 / WP4	ACT2	REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR WP LOCATIONS.

**MATERIAL LEGEND GENERAL NOTES**

- PROVIDE SAMPLES OF ALL FINISH MATERIALS TO OWNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
- CASEWORK PULL BASIS OF DESIGN:
  - RICHELIEU
  - MODERN METAL EDGE PULL - 3966
  - MATTE BLACK

**TOILET ACCESSORY SCHEDULE**

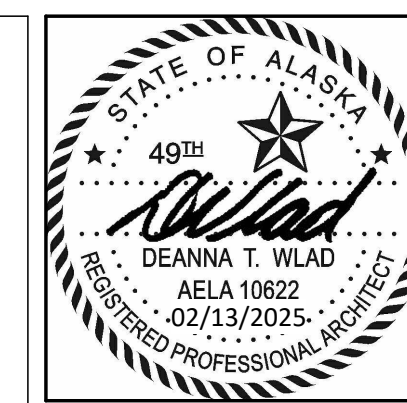
TAG	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
GB	GRAB BAR	BOBRICK	B-6806	STAINLESS STEEL
PTD/R	PAPER TOWEL DISPENSER / RECEPTACLE - RECESSED	BOBRICK	B-38034.MBLK	MATTE BLACK
CH	COAT HOOK	BOBRICK	B-9541.MBLK	MATTE BLACK
CS	BABY CHANGING STATION	KOALA KARE	KB310-SSWM-MBLK	MATTE BLACK
SD	SOAP DISPENSER	BOBRICK	B-2013-MBLK	MATTE BLACK
MR	MIRROR	BOBRICK	B-290.MBLK 2436	MATTE BLACK
MR	MIRROR	BOBRICK	B-290.MBLK 2436	MATTE BLACK
CH	COAT HOOK	BOBRICK	B-9541.MBLK	MATTE BLACK
SD	SOAP DISPENSER	BOBRICK	B-2013-MBLK	MATTE BLACK
PTD/R	PAPER TOWEL DISPENSER / RECEPTACLE - RECESSED	BOBRICK	B-38034.MBLK	MATTE BLACK
TSCD	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	MATTE BLACK
TSCD	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	MATTE BLACK

**SPECIALITY EQUIPMENT SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
HUI	HOOD USER INTERFACE	REFER TO MECHANICAL	REFER TO MECHANICAL	LOCATED NEAR EACH HOOD.
HUI	HOOD USER INTERFACE	REFER TO MECHANICAL	REFER TO MECHANICAL	LOCATED NEAR EACH HOOD.
LK1	TRADITIONAL PLUS PHENOLIC LOCKERS - DOUBLE TIER, HASP LOCK FOR RENTER PROVIDED LOCKS	ASI Storage	24" X 24" X 72"	BLACK CORE AGED ASH 9844 PHENOLIC. GRAIN RUNS VERTICAL
MB	MOP BUCKET WITH WRINGER	RUBBERMAID	WAVEBRAKE 35 QT SIDE PRESS BUCKET AND WRINGER	
MBR	MOP AND BROOM RACK	RUBBERMAID	34" CLOSET ORGANIZER / TOOL HOLDER KIT	
S-01	ADJUSTABLE WIRE SHELVING	METRO SHELVING	5A557C	5 SHELF - 24X28X74
S-01	ADJUSTABLE WIRE SHELVING	METRO SHELVING	5A557C	5 SHELF - 24X28X74
TKBD2	2 DOOR 36" H X 48" W ENCLOSED BULLETIN BOARD - BLACK POWDERCOAT FRAME OUTDOOR USAGE	ALLEN DISPLAY	AP-ODCC3648RBK	VINYL TACKBOARD COLOR: 837 - DRIFTWOOD
TV-01	3D LED SMART TV, 6 SERIES	SAMSUNG	60ES6305U	CONFIRM MODEL WITH OWNER PRIOR TO PURCHASING

**BREAK ROOM EQUIPMENT SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
KT-01	DISHWASHER	GE APPLIANCES	GDT225SSLS	
KT-02	MICROWAVE DRAWER	SHARP	SMD2489ES	
KT-03	Refrigerator, Undercounter, Glass Door	Hoshizaki	HR24C-G	



CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

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**ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 MATERIAL AND ROOM SCHEDULE

SHEET NO.  
**A5.10**

**FINISH PLAN GENERAL NOTES**

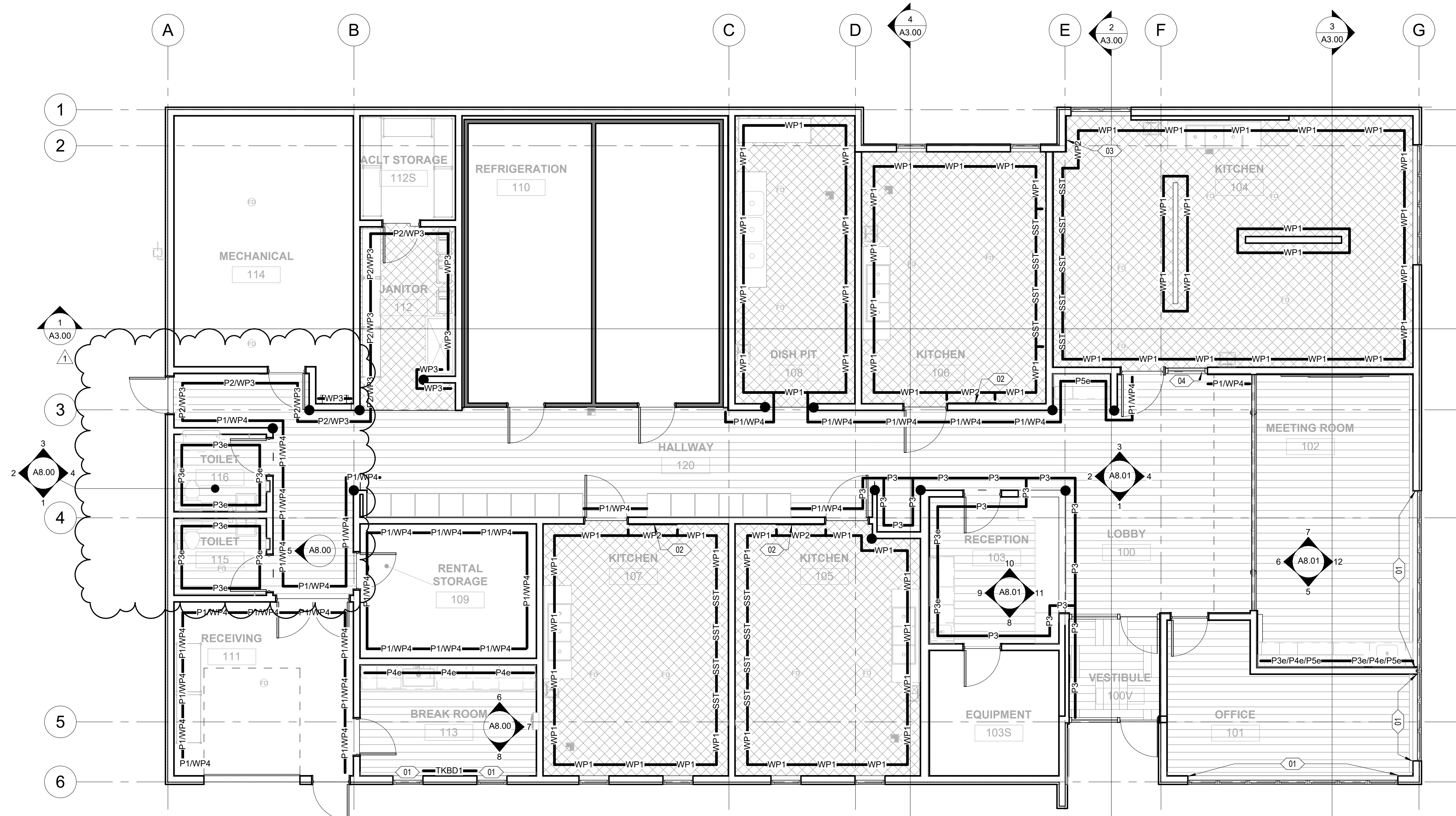
- ALL WALLS TO RECEIVE P1 AND ALL RESTROOM WALLS TO RECEIVE P3e UNLESS OTHERWISE NOTED.
- REFER TO RCP FOR SOFFIT PAINT SELECTIONS.
- THE FLOOR FINISH PATTERNS SHOWN ON THE FINISH PLANS MAY NOT BE DEPICTED UNDER WALL HUNG ITEMS, UNDER COUNTERTOPS WHERE FIXED BASE CABINETS ARE NOT PROVIDED, UNDER COUNTERTOPS WHERE APPLIANCES ARE LOCATED, ETC. ALL FLOORING SHALL EXTEND UNDER THESE ELEMENTS TO PROVIDE A CONTINUOUS FINISHED FLOOR. THE CONTRACTOR IS RESPONSIBLE FOR USING THESE PLANS IN CONJUNCTION WITH INTERIOR ELEVATIONS AND DETAILS TO DETERMINE THE EXTENT OF FLOOR FINISHES.
- RUBBER BASE SEAMS SHALL BE A MINIMUM OF 12" FROM A WALL CORNER.
- ALL CHANGES IN FLOOR MATERIAL SHALL OCCUR AT THE CENTER LINE OF DOOR WHEN IN THE CLOSED POSITION, UNLESS OTHERWISE NOTED.
- ALL ACCESS AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT PAINT COLOR.
- WHERE PAINT TERMINATES ON AN OUTSIDE CORNER, CONTRACTOR SHALL ENSURE CRISP PAINT TRANSITION.
- REFER TO MATERIAL SCHEDULE FOR FLOOR TRANSITIONS.

**FINISH PLAN LEGEND**

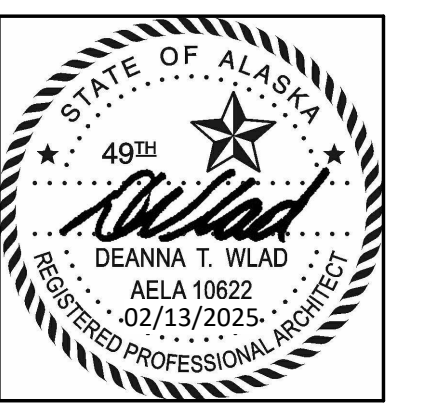
	CONC1		P1; REFER TO NOTE 1
	RF1		4'-0" WP4 PANEL WITH P1 ABOVE
	RF2		4'-0" WP3 PANEL WITH P2 ABOVE
	WOM1		P3
	CORNER GUARD (CG1)		P4e
			P3e / P4e / P5e; REFER TO INTERIOR ELEVATIONS FOR EXTENT OF EACH PAINT COLOR.
			WP1
			WP3 (FULL HEIGHT OF WALL)
			TKBD1: REFER TO INTERIOR ELEVATIONS FOR EXTENT.

**FINISH PLAN SHEET NOTES**

- 01 WDW1 ON WINDOW
- 02 4' WIDE WP2 PANEL ADJACENT TO DOOR  
KITCHEN 105: WP2c (PINK)  
KITCHEN 106: WP2d (RED)  
KITCHEN 107: WP2b (ORANGE)
- 03 WP2a (PURPLE) PANEL ON WALL
- 04 WDW1 ON RELITE, MOUNT ON HALL SIDE.



**1 LEVEL 1 - FINISH PLAN**  
3/16" = 1'-0"



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**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

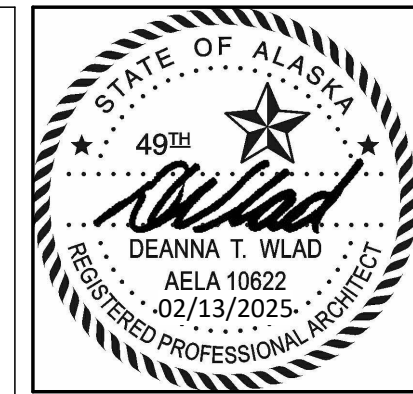
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
DATE 2025.02.12  
DRAWN JACS  
REVIEWED DTW

SHEET NAME  
FINISH PLAN

SHEET NO.  
**A5.11**

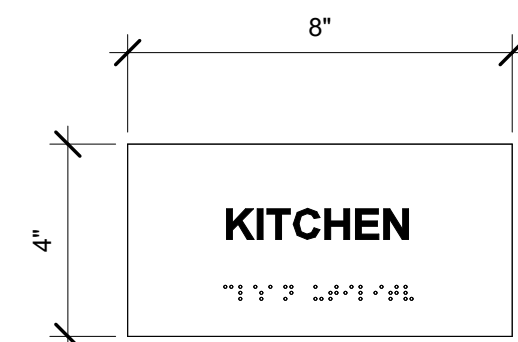
SIGNAGE SCHEDULE						
DOOR NO.	ROOM NAME	SIGN TYPE NO.	SIGN MOUNT LOCATION	SIGN TEXT	CODE REQ.	SIGNAGE COMMENTS
LEVEL 1						
101	OFFICE	A	1	OFFICE		
103	RECEPTION	A	2	RECEPTION		
103S	EQUIPMENT	A	1	EQUIPMENT		
104	KITCHEN	A & C	SIGN TYPE A: 1 SIGN TYPE C: 5	(TBD BY OWNER)		MOUNTED ON GLASS, PROVIDE BACKER.
105	KITCHEN	A & C	SIGN TYPE A: 1 SIGN TYPE C: 5	(TBD BY OWNER)		
106	KITCHEN	A & C	SIGN TYPE A: 1 SIGN TYPE C: 4	(TBD BY OWNER)		
107	KITCHEN	A & C	SIGN TYPE A: 1 SIGN TYPE C: 4	(TBD BY OWNER)		
108	DISH PIT	A	1	DISH PIT		
109	RENTAL STORAGE	A	2	RENTAL STORAGE		
111A	RECEIVING	A	2	RECEIVING		
112	JANITOR	A	3. SEE COMMENTS	JANITOR	X	MOUNT SIGN AT CORNER OF JANITOR WALL AND MECHANICAL ROOM ALONG GRID B.
112S	ACLT STORAGE	A	1	ACLT STORAGE		
113	BREAK ROOM	A	1	BREAK ROOM		
114	MECHANICAL	A	1	MECHANICAL / ELECTRICAL	X	
115	TOILET	B	2	PER SIGN TYPE B	X	
116	TOILET	B	2	PER SIGN TYPE B	X	



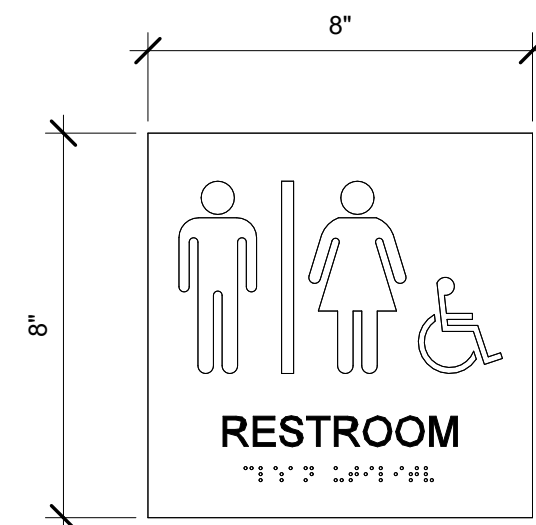
CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

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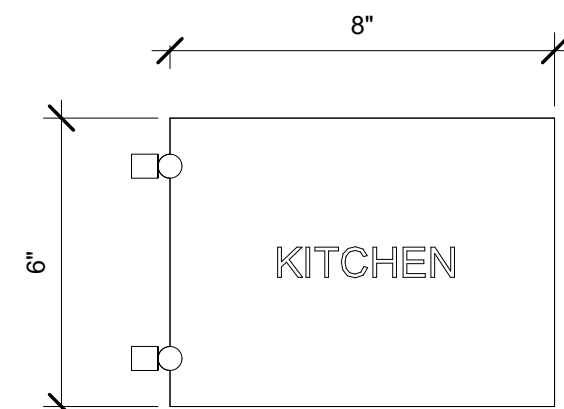
SIGN TYPE A



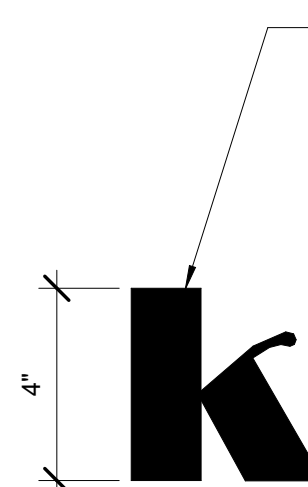
SIGN TYPE B



SIGN TYPE C

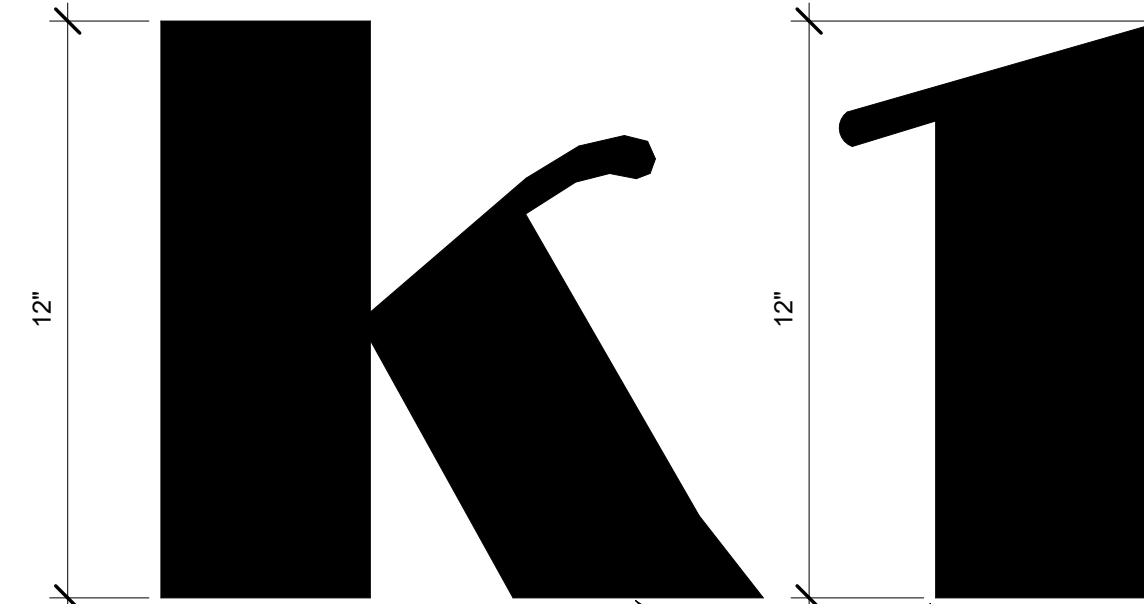


SIGN TYPE D



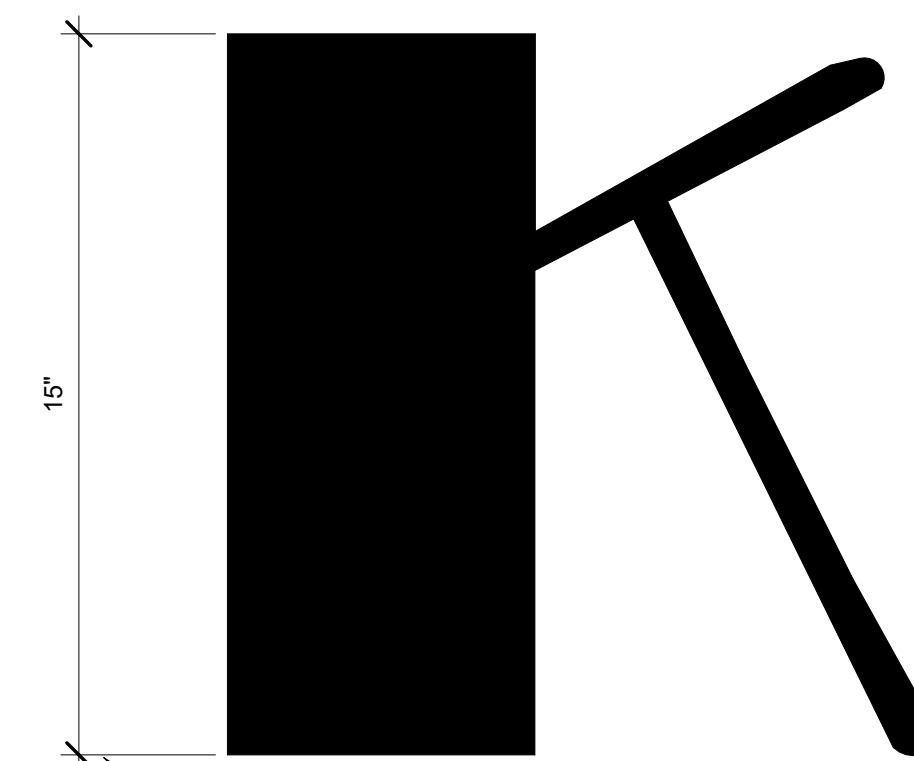
**DIMENSIONAL LETTERS / NUMBERS**  
 MATERIAL: RIGID VINYL DIMENSIONAL CHARACTERS  
 COLOR: MATTE BLACK  
 FONT: BROADWAY  
 SIZE:  
 BASIS OF DESIGN: 4".  
 SIZE AND TEXT TO BE FINALIZED WITH OWNER/ARCHITECT PRIOR TO FABRICATION ONCE BUILDING NAME HAS BEEN SELECTED..  
 MOUNTING: STUDS WITH STAND-OFFS

SIGN TYPE E



**DIMENSIONAL LETTERS / NUMBERS**  
 MATERIAL: ANODIZED ALUMINUM  
 FONT: BROADWAY  
 SIZE:  
 BASIS OF DESIGN: 12".  
 SIZE AND TEXT TO BE FINALIZED WITH OWNER/ARCHITECT PRIOR TO FABRICATION ONCE ADDRESS LOCATIONS HAVE BEEN DETERMINED BY MOA AND EXTERIOR VINYL GRAPHICS HAVE BEEN APPLIED.  
 MOUNTING: STUDS WITH STAND-OFFS

SIGN TYPE F



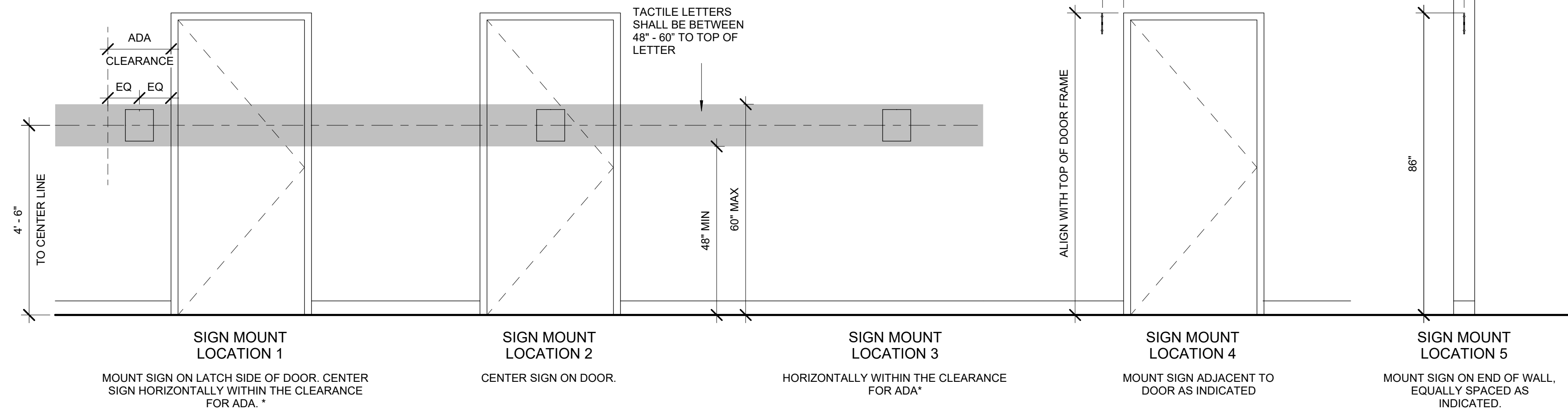
**LIT CHANNEL LETTERS**  
 MATERIAL: ANODIZED ALUMINUM CHANNELS, FACE COLOR TBD BASED ON EXTERIOR VINYL GRAPHICS  
 FONT: BROADWAY  
 SIZE:  
 BASIS OF DESIGN: 15".  
 SIZE AND TEXT TO BE FINALIZED WITH OWNER/ARCHITECT PRIOR TO FABRICATION ONCE ADDRESS LOCATIONS HAVE BEEN DETERMINED BY MOA AND EXTERIOR VINYL GRAPHICS HAVE BEEN APPLIED.  
 MOUNTING: STUDS WITH STAND-OFFS

\*FOR SIGN TYPES D, E, AND F: REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS.

**SIGN TYPE NOTES AND SPECIFICATIONS**

- ALL SIGNS SHALL COMPLY WITH ADA, ANSI 117.1-2009 AND LOCAL BUILDING CODES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MOUNTING CONDITIONS IN THE FIELD.
- INSTALL SIGN ON LATCH SIDE OF DOOR UNLESS OTHERWISE NOTED.
- SIGN TYPE A AND B BASIS OF DESIGN:
  - INPRO SIGNSCAPE ARCHITECTURAL CUSTOM SIGNAGE
  - MATERIAL: PHOTOPOLYMER PETG
  - MOUNTING: VHB TAPE
  - FONT: ADA FUTURA
  - FONT SIZE: 5/8"
  - FONT THICKNESS: 1/32" PERMANENTLY APPLIED TO SIGN FACE
  - HORIZONTAL ALIGNMENT: PER TYPE
  - VERTICAL ALIGNMENT: PER TYPE
  - FACE COLOR: WABASH 5E081
  - FONT COLOR: BLACK 102
  - BRaille: CLEAR GRADE II BRaille, DOMED TOP
  - PICTOGRAM AT TYPE C: 4" HIGH IN 6" FIELD, 1/32 THICK PERMANENTLY APPLIED TO SIGN FACE
- SIGN TYPE C BASIS OF DESIGN:
  - INPRO SIGNSCAPE ARCHITECTURAL CUSTOM SIGNAGE, FLAG STYLE
  - MATERIAL: PHOTOPOLYMER PETG
  - MOUNTING: MATTE BLACK HARDWARE
  - FONT: ADA FUTURA
  - FONT SIZE: 5/8"
  - FONT THICKNESS: 1/32" PERMANENTLY APPLIED TO SIGN FACE
  - HORIZONTAL ALIGNMENT: PER TYPE
  - VERTICAL ALIGNMENT: PER TYPE
  - FACE COLOR: WABASH 5E081
  - FONT COLOR: BLACK 102

**SIGN MOUNTING LOCATION LEGEND**



ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

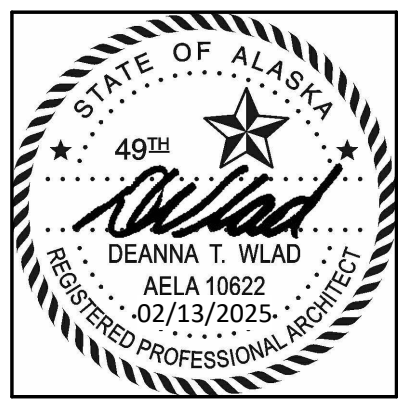
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO.	23-002
DATE	2025.02.12
DRAWN	JACS
REVIEWED	DTW

SHEET NAME  
SIGNAGE

SHEET NO.  
**A5.15**

KITCHEN EQUIPMENT KEY	
TAG	DESCRIPTION
1	DISHWASHER RACK CART
2	DISHWASHER, CONVEYOR TYPE, VENTLESS
5	WIRE SHELVING UNIT
7	3 COMPARTMENT SINK
8	HAND WASH SINK
14	(3) BUSSING / UTILITY CARTS
16	3 COMPARTMENT SINK
19	RANGE, 36" , 6 OPEN BURNERS
20	RANGE, 36" MANUAL GRIDDLE
21	FUTURE EQUIPMENT
24	L-SHAPED WORK TABLE, STAINLESS STEEL TOP
27	WORK TABLE, STAINLESS STEEL TOP
32	(3) BUSSING / UTILITY CARTS
34	3 COMPARTMENT SINK
37	RANGE, 36" , 6 OPEN BURNERS
38	RANGE, 36" MANUAL GRIDDLE
39	FUTURE EQUIPMENT
40	REACH-IN REFRIGERATOR
41	REACH-IN FREEZER
42	L-SHAPED WORK TABLE, STAINLESS STEEL TOP
45	WORK TABLE, STAINLESS STEEL TOP
50	(2) BUSSING / UTILITY CARTS
52	3 COMPARTMENT SINK
55	RANGE, 36" , 6 OPEN BURNERS
56	RANGE, 36" MANUAL GRIDDLE
57	FUTURE EQUIPMENT
58	REACH-IN REFRIGERATOR
59	REACH-IN FREEZER
60	L-SHAPED WORK TABLE, STAINLESS STEEL TOP
63	WORK TABLE, STAINLESS STEEL TOP
69	TILTING SKILLET BRAISING PAN, GAS
70	RANGE, 36" , 6 OPEN BURNERS
71	FUTURE EQUIPMENT
72	L-SHAPED WORK TABLE, STAINLESS STEEL TOP
73	DOUBLE-DECK CONVECTION OVEN
74	BUN / SHEET PAN RACK
79	TWO-COMPARTMENT SINK
80	3 COMPARTMENT SINK
82	BLAST CHILLER FREEZER, REACH-IN
83	REFRIGERATED WORKTOP
85	WORK TABLE, STAINLESS STEEL TOP
88	REACH-IN REFRIGERATOR
89	WORK TABLE, BAKERS TOP
90	PLANETARY MIXER
97	SECURITY UNIT
98	WIRE SHELVING UNIT
99	WIRE SHELVING UNIT
101	ICE MAKER, CUBE STYLE
103	BUN / SHEET PAN RACK
104	SECURITY UNIT
107	REACH-IN HEATED CABINET
108	REACH-IN REFRIGERATOR
109	DOUBLE COFFEE BREWER
110	(3) BUSSING / UTILITY CARTS
111	MOBILE STORAGE RACK
KH-1	EXHAUST HOOD
KH-2	EXHAUST HOOD
KH-3	EXHAUST HOOD
KH-4B	EXHAUST HOOD
KH-5	EXHAUST HOOD

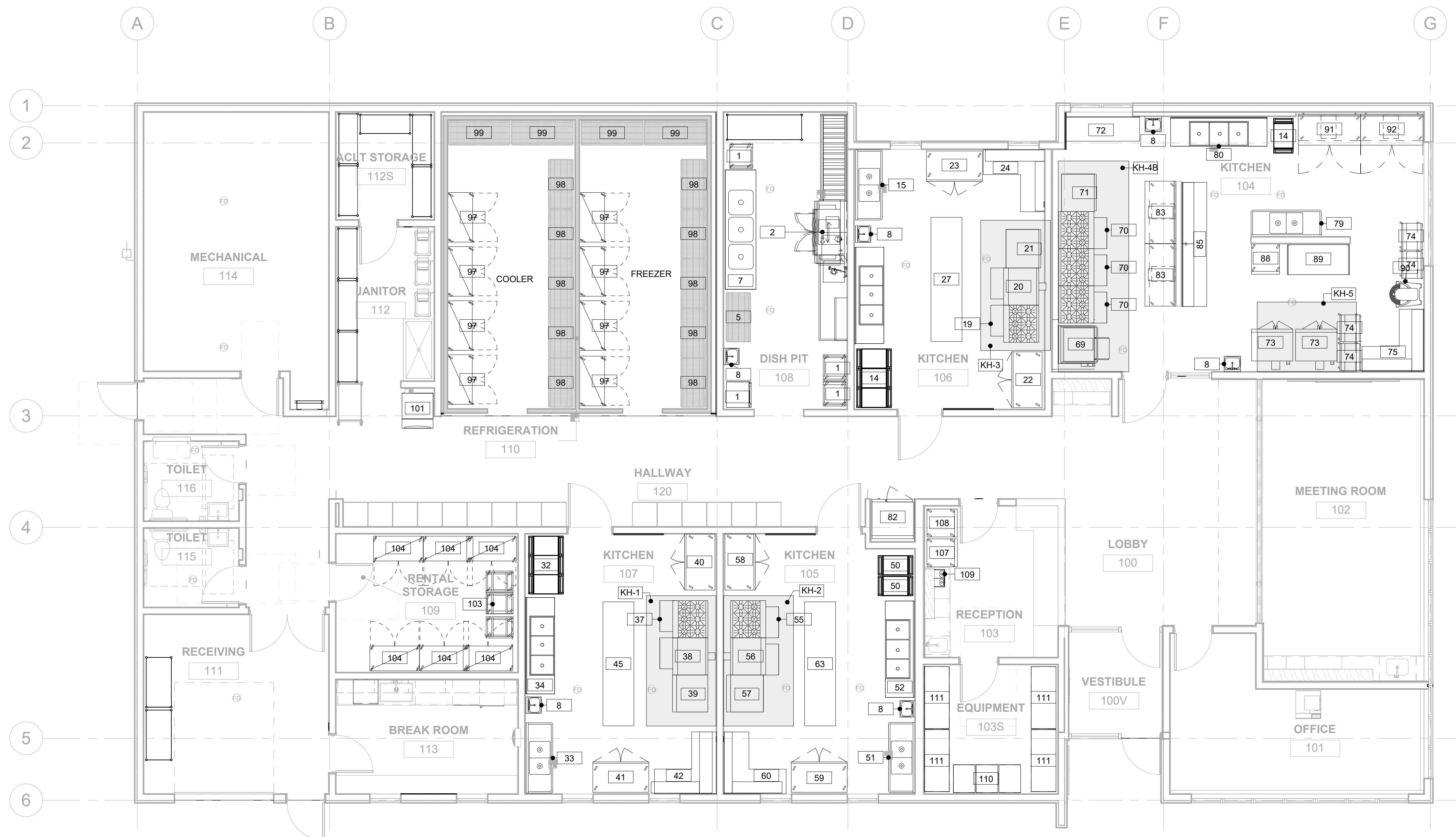


CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

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**KITCHEN EQUIPMENT PLAN NOTES**

- EQUIPMENT SHOWN IS FOR COORDINATION PURPOSES ONLY. REFER TO KITCHEN EQUIPMENT SUPPLIER DRAWINGS FOR KITCHEN EQUIPMENT SPECIFICATIONS.
- REFER TO MECHANICAL FOR EXHAUST HOOD SPECIFICATIONS.
- REFER TO A5.10 FOR BREAKROOM AND SPECIALTY EQUIPMENT SCHEDULES.



ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2028.03.12

JOB NO.	23-002
DATE	2025.02.12
DRAWN	JACS
REVIEWED	DTW

SHEET NAME  
 KITCHEN EQUIPMENT PLAN AND SCHEDULE

SHEET NO.  
**A5.50**

**1** KITCHEN EQUIPMENT PLAN  
 3/16" = 1'-0"





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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

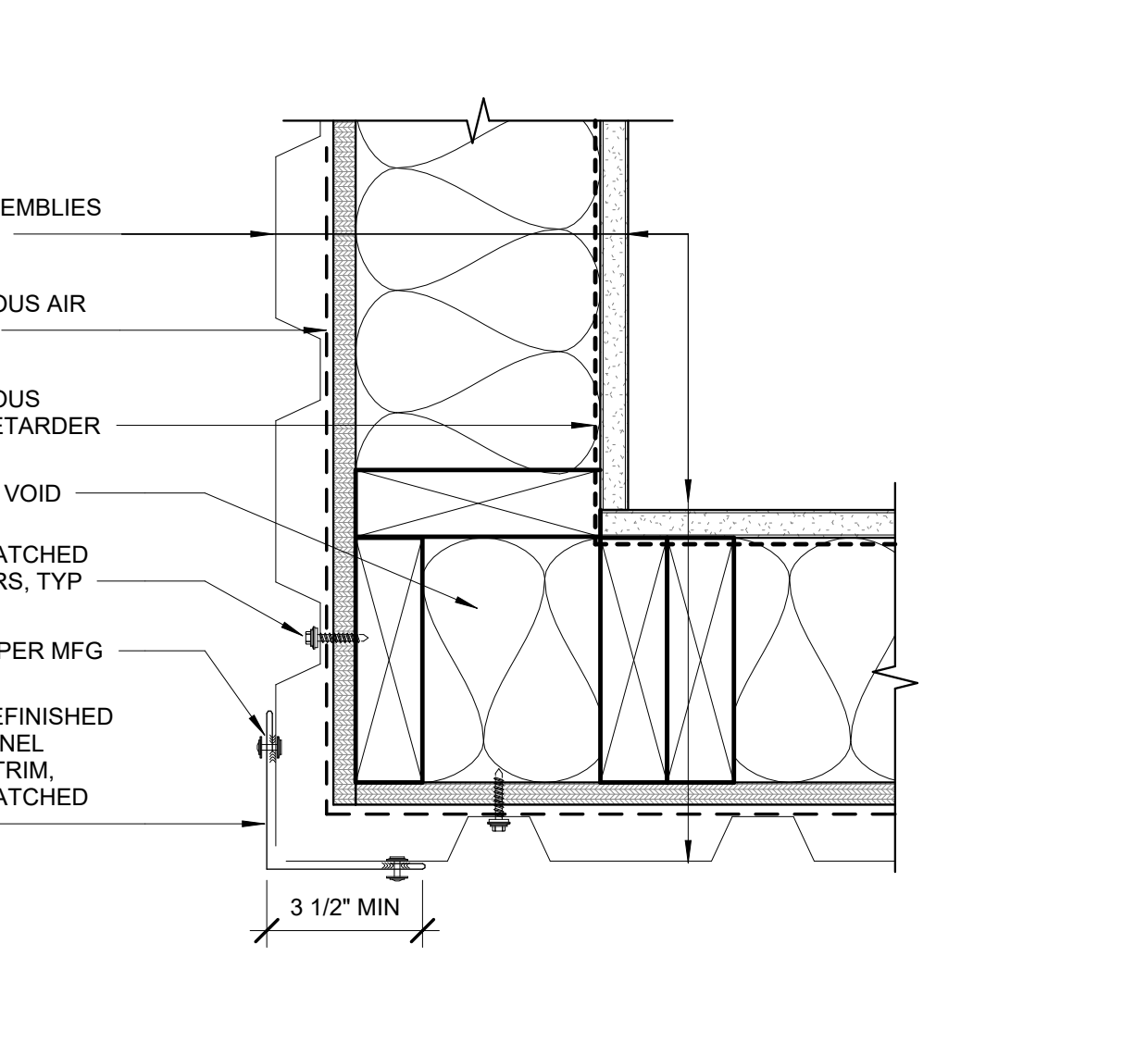
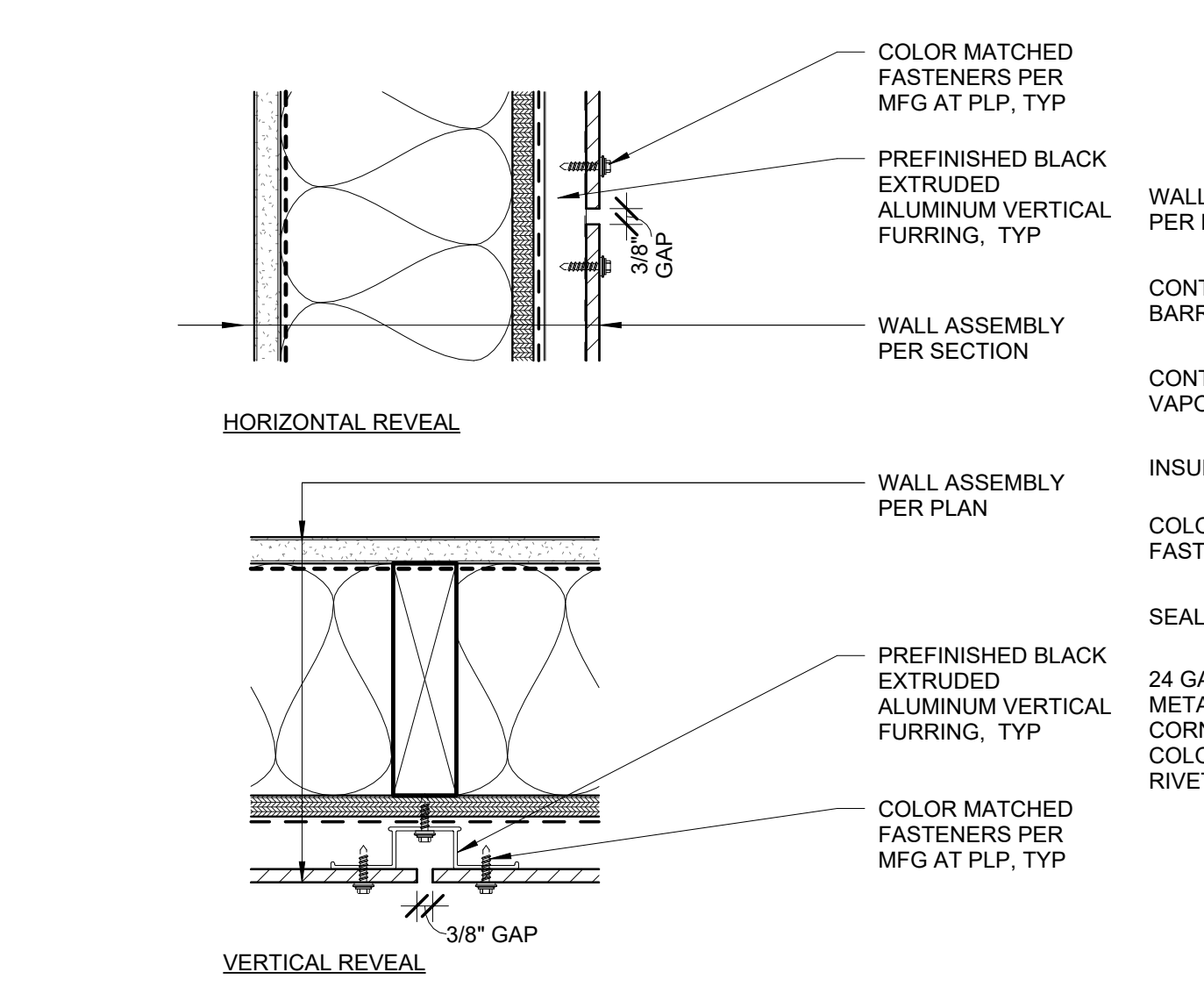
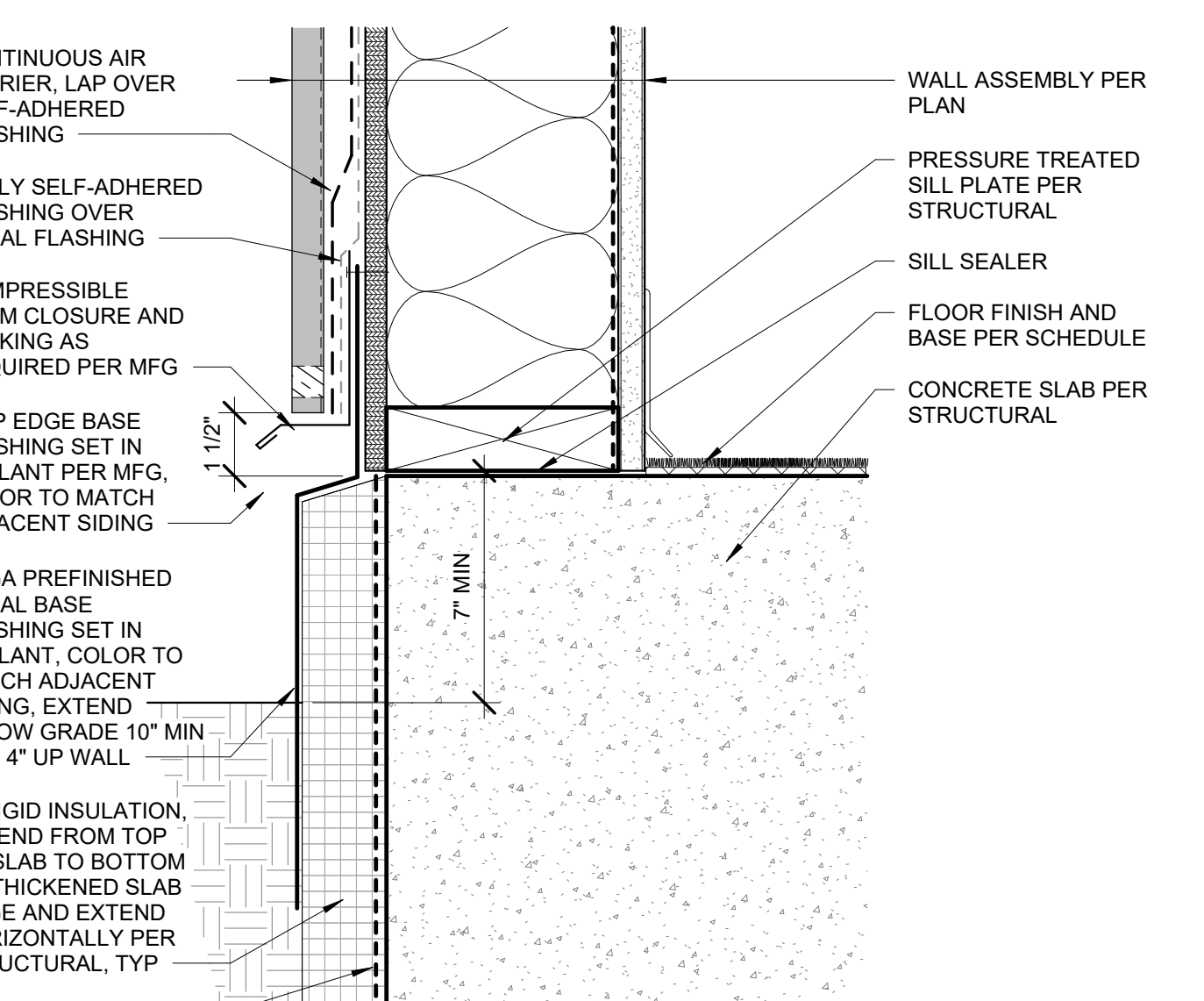
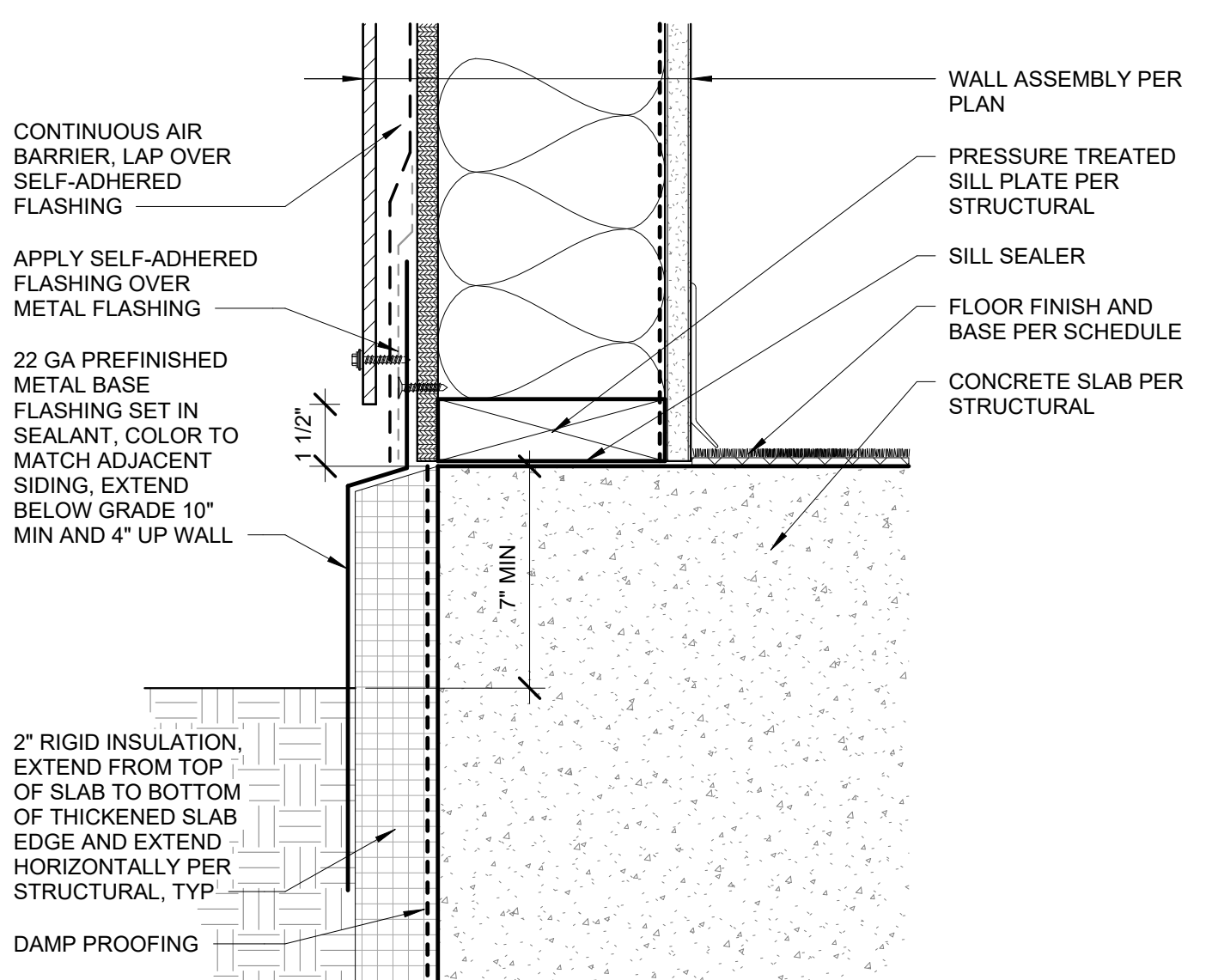
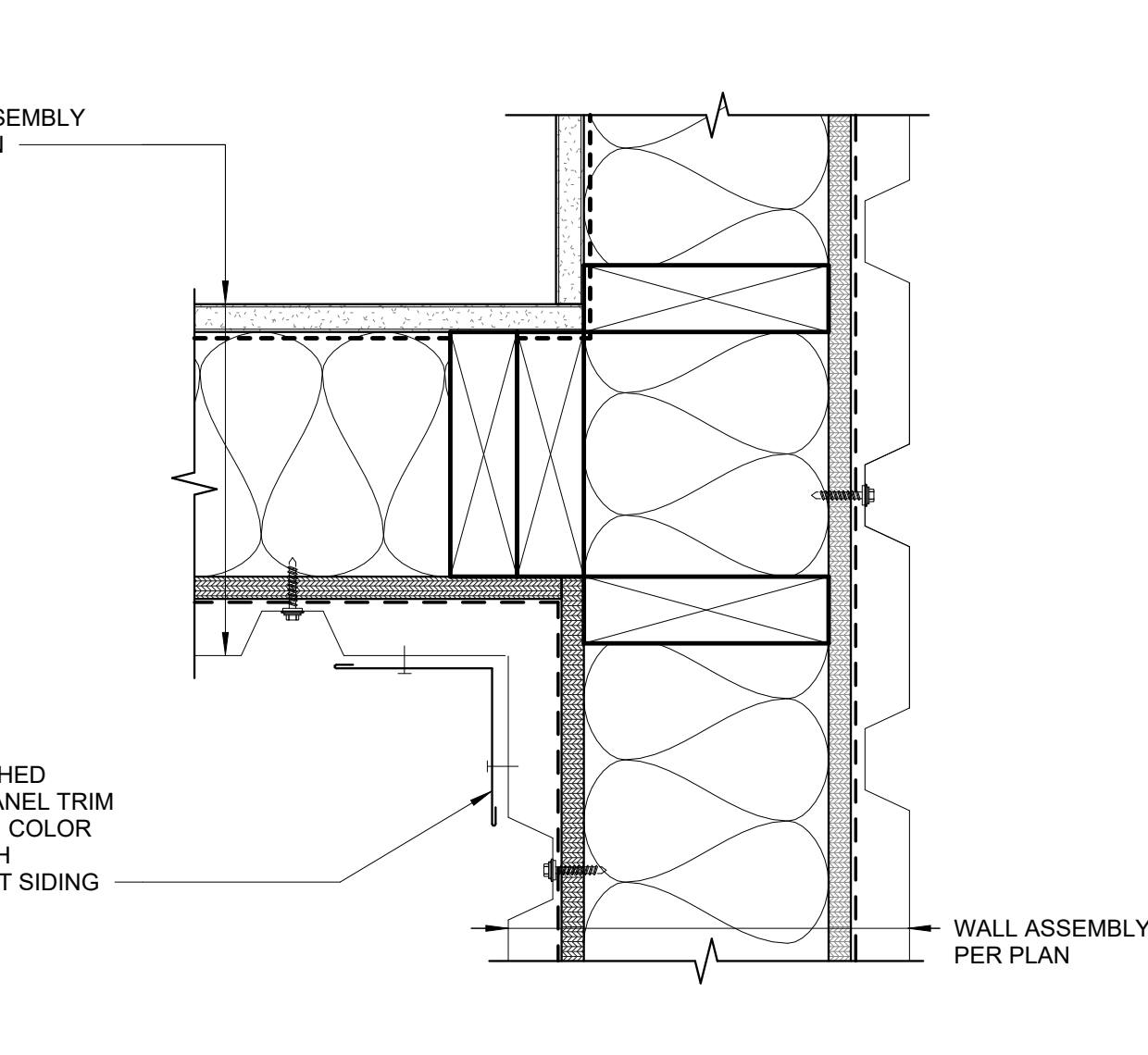
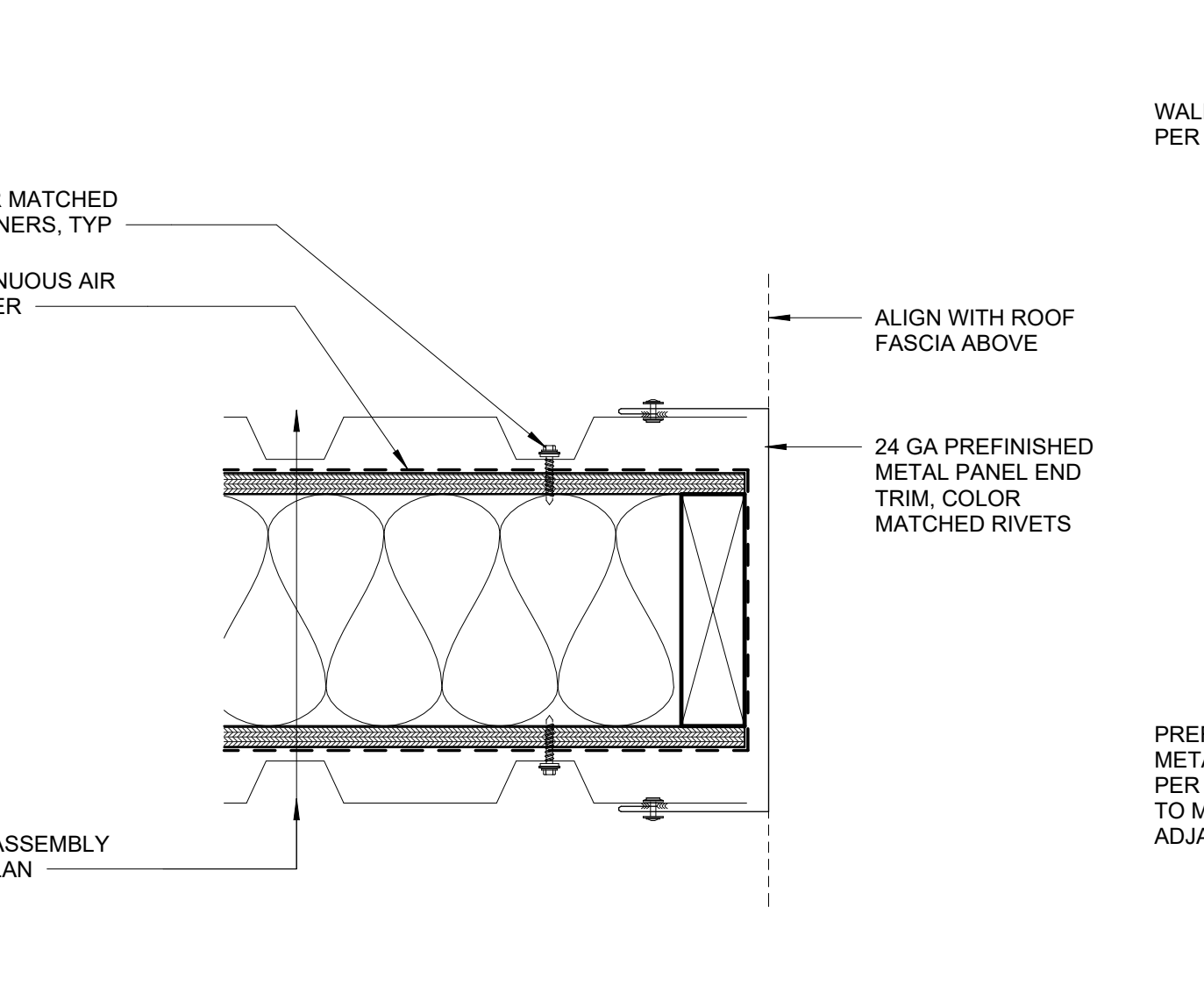
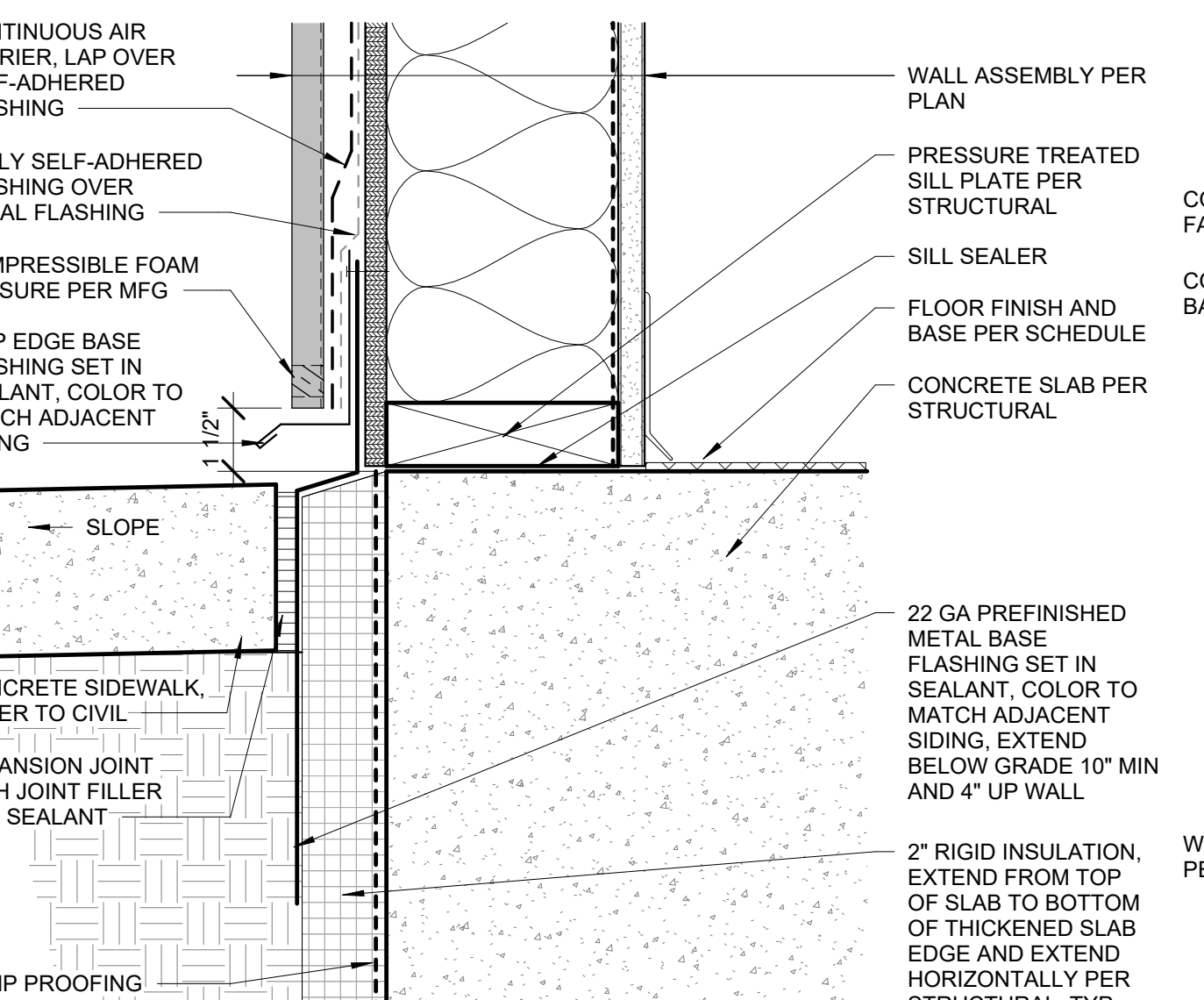
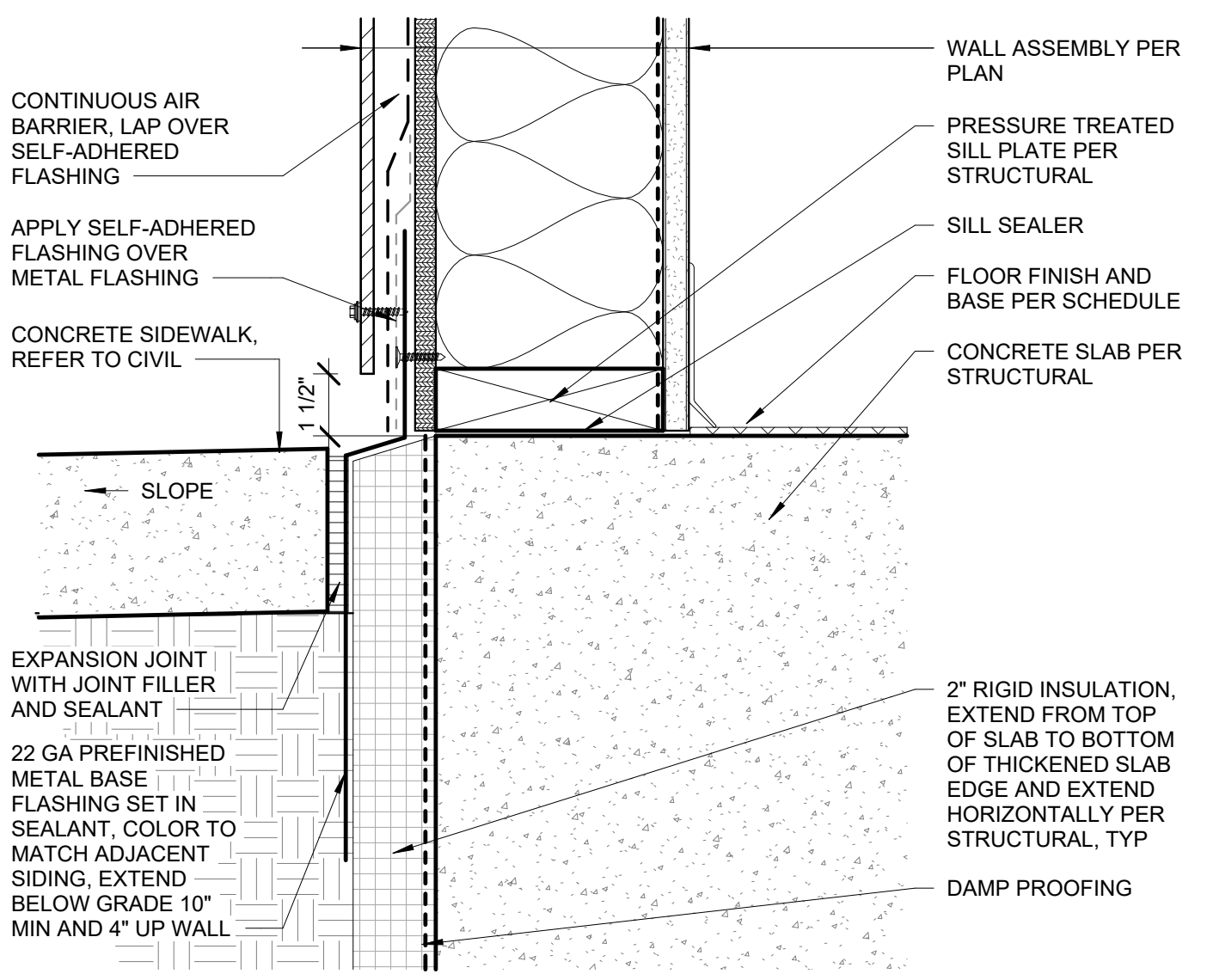
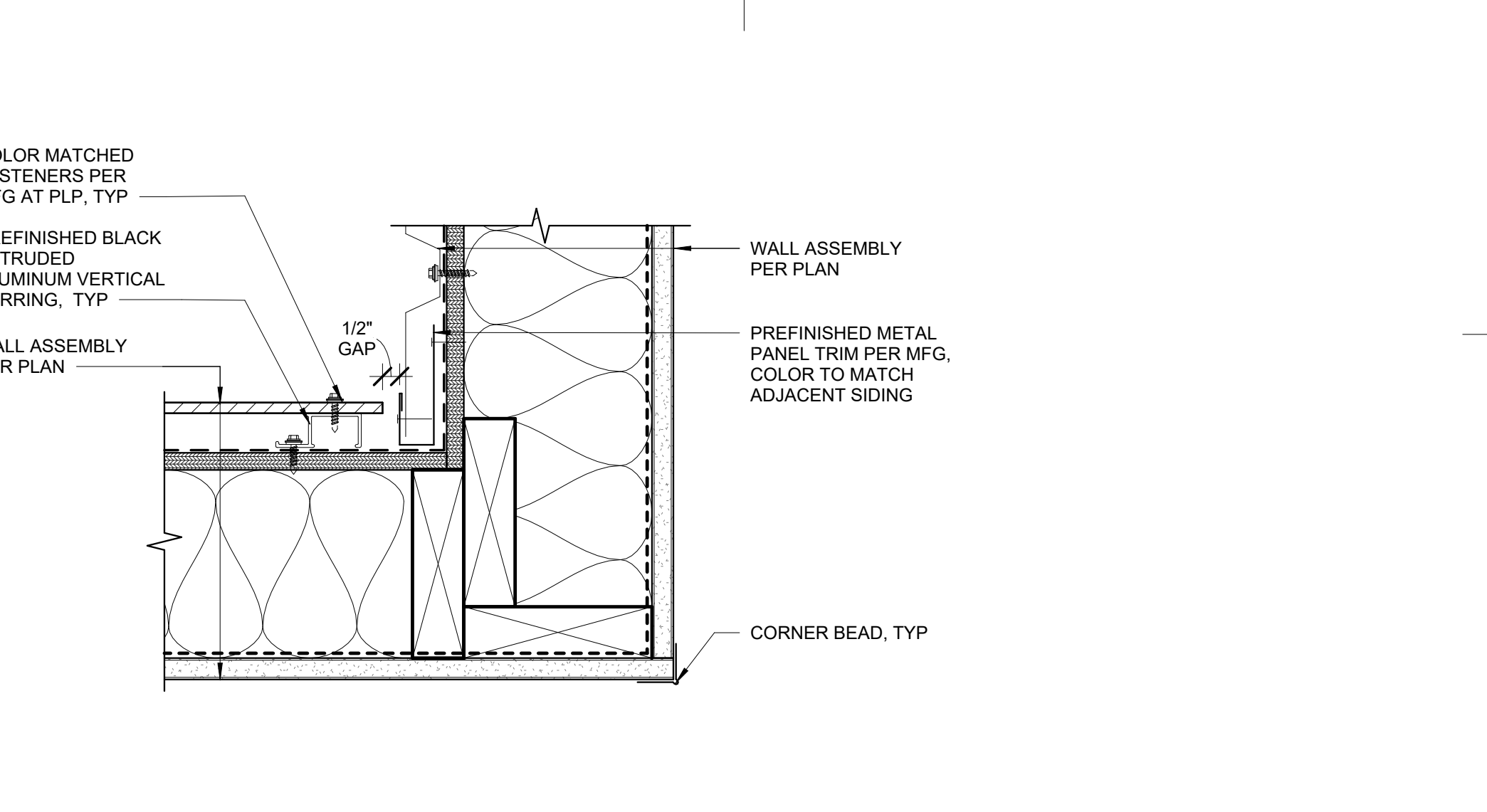
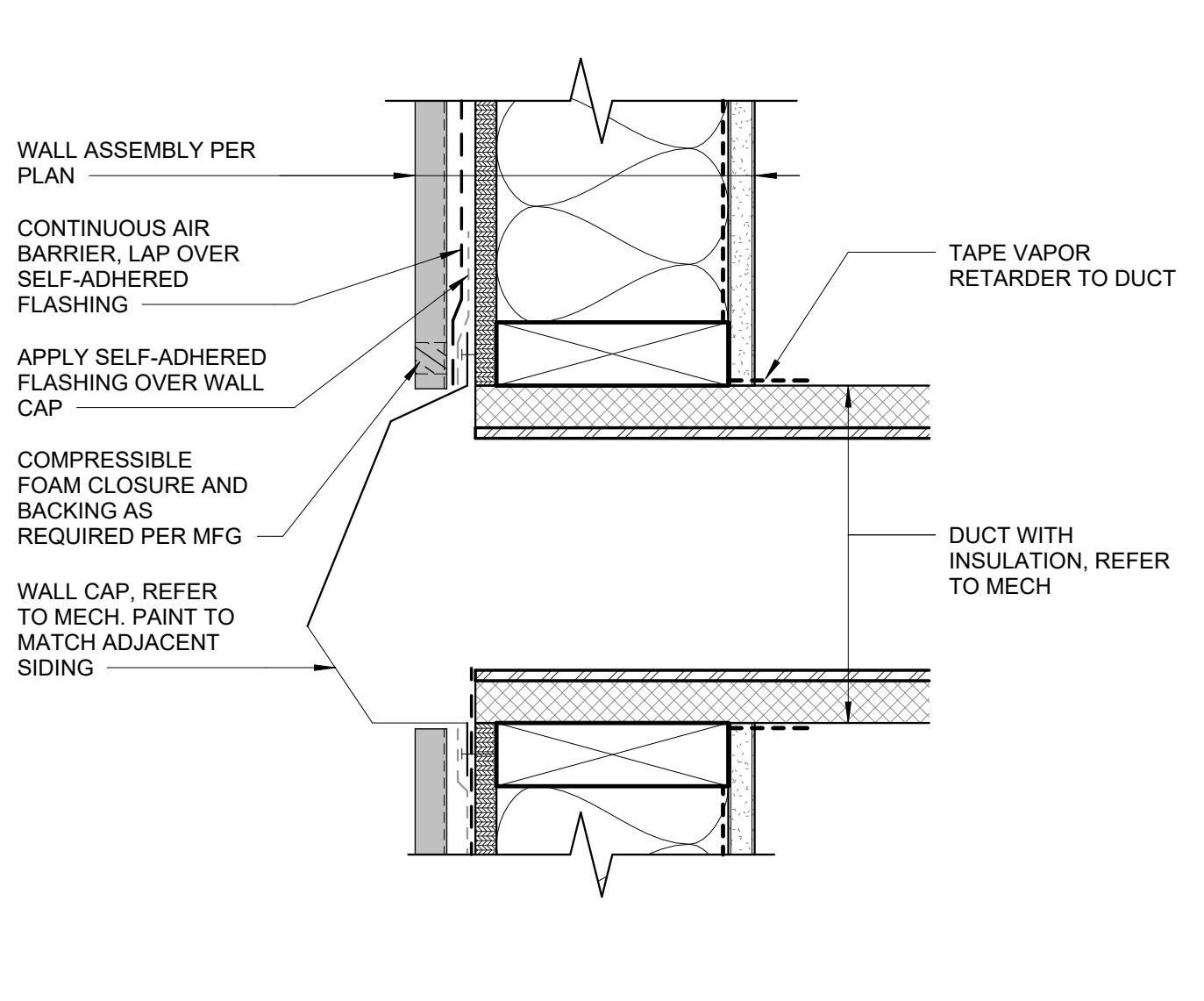
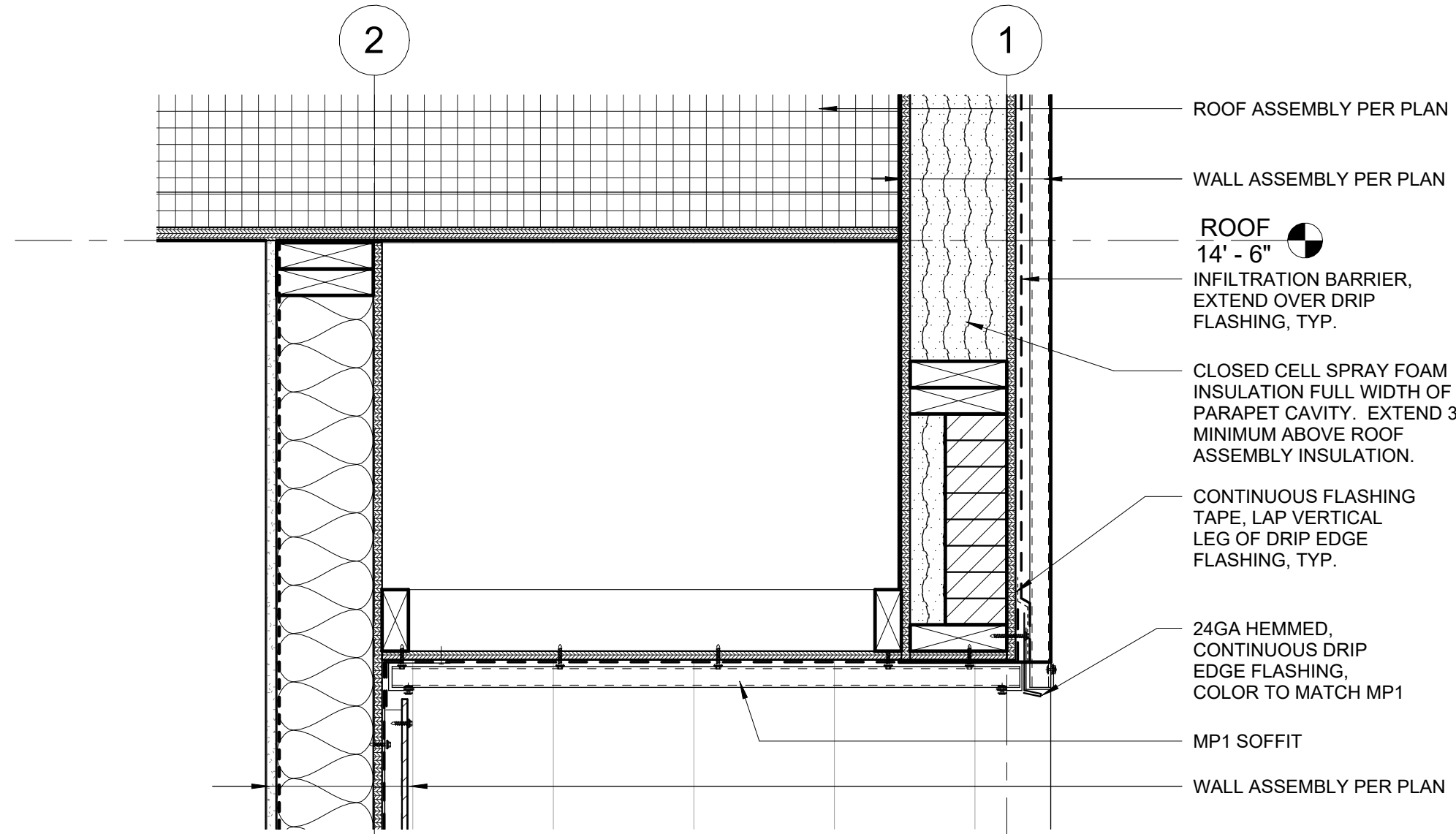
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 EXTERIOR DETAILS - WALL

SHEET NO.  
**A6.00**

HALF SCALE WHEN PRINTED AT 11x17





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**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

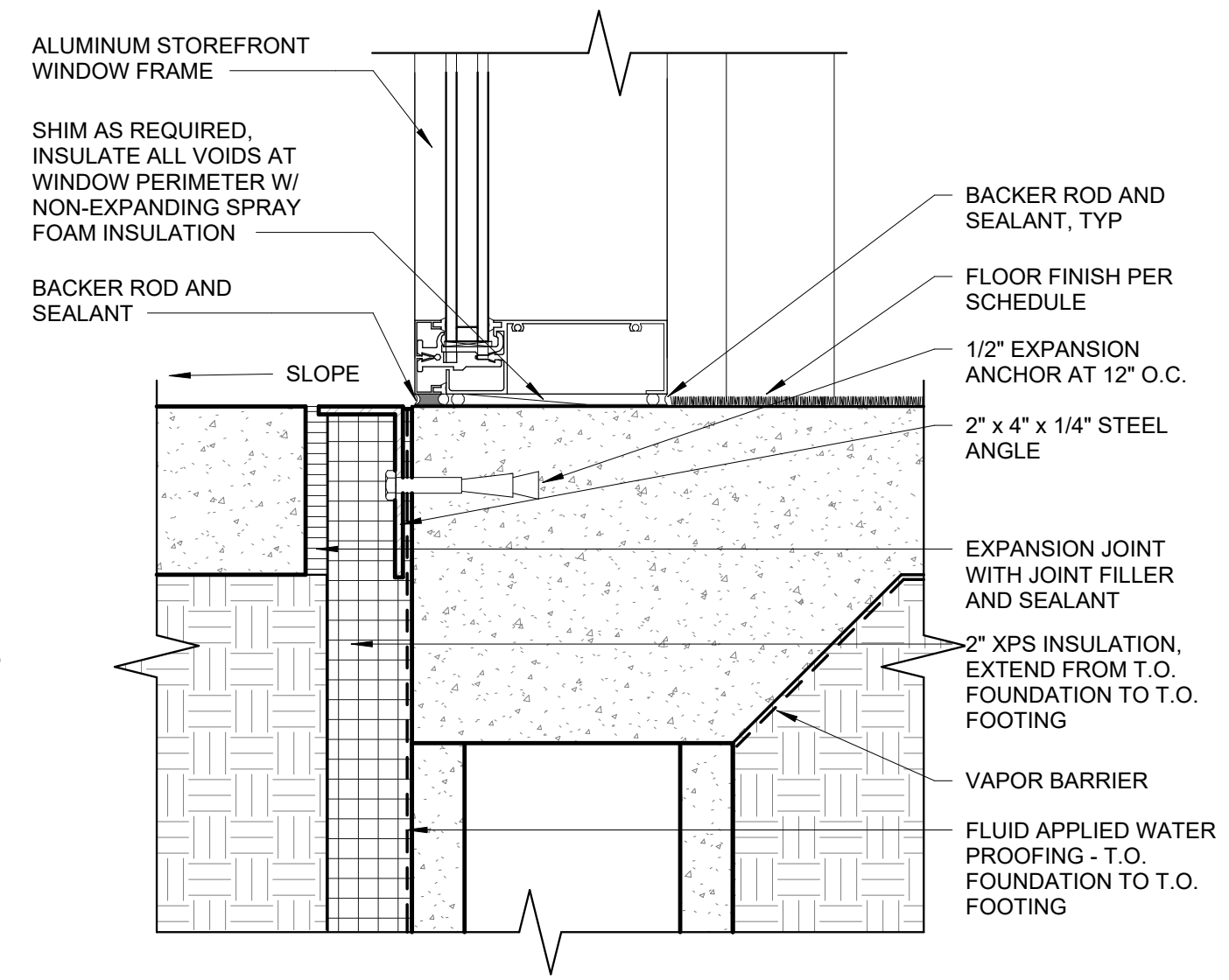
REVISION SCHEDULE		
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1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
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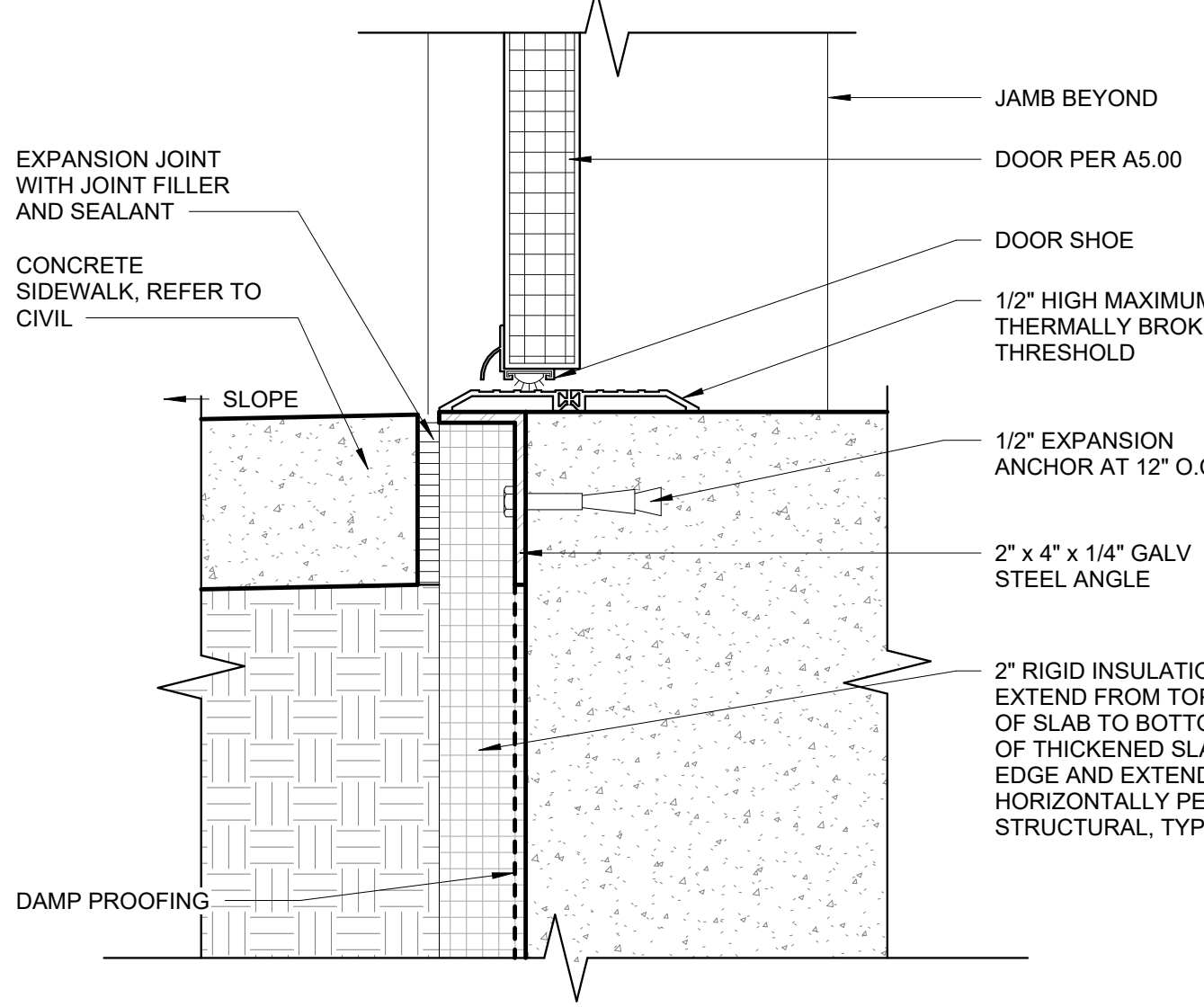
SHEET NAME  
 EXTERIOR DETAILS - WINDOWS  
 AND DOORS

SHEET NO.  
**A6.01**

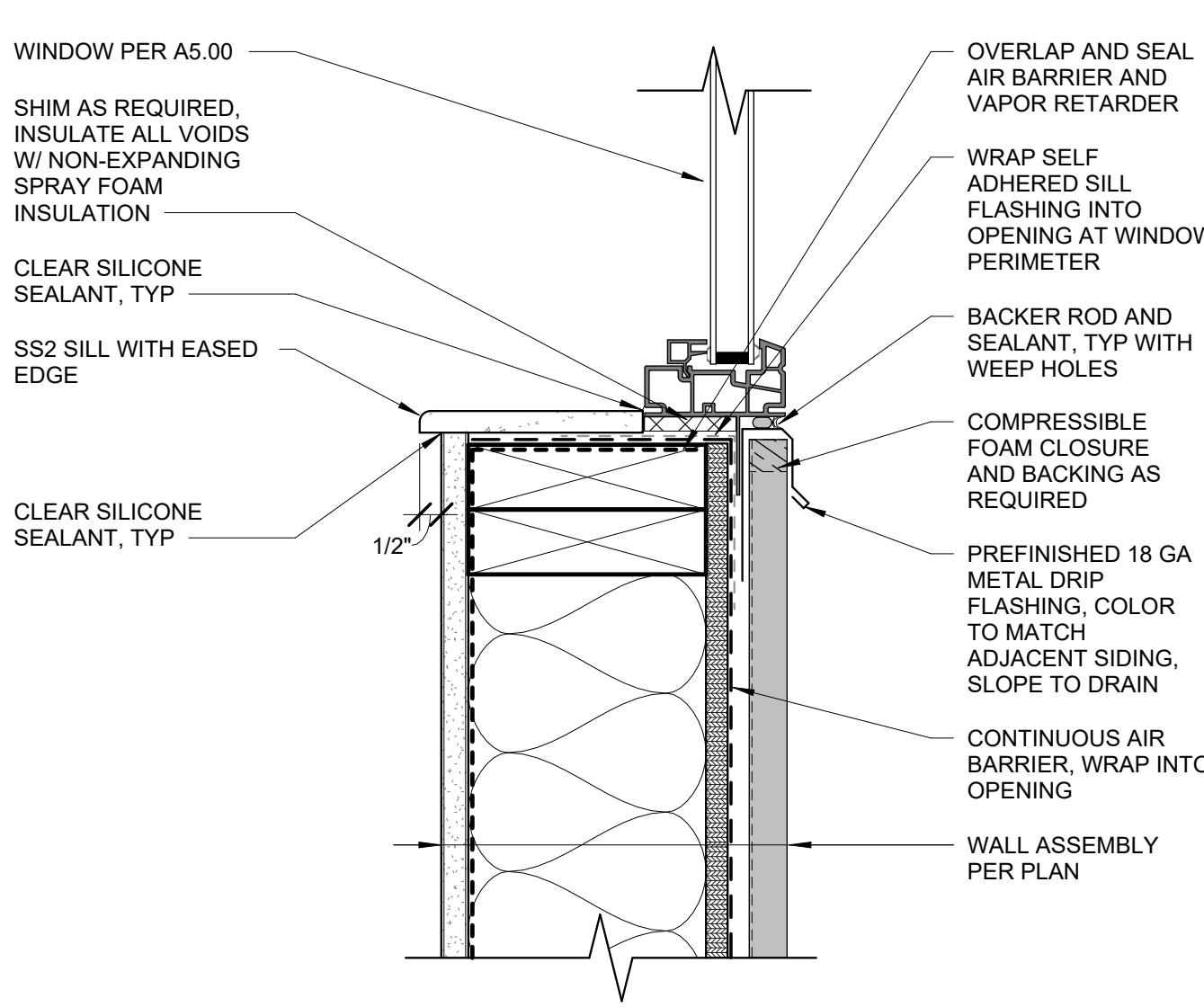
**1 STOREFRONT SILL AT SIDEWALK**  
 3" = 1'-0"



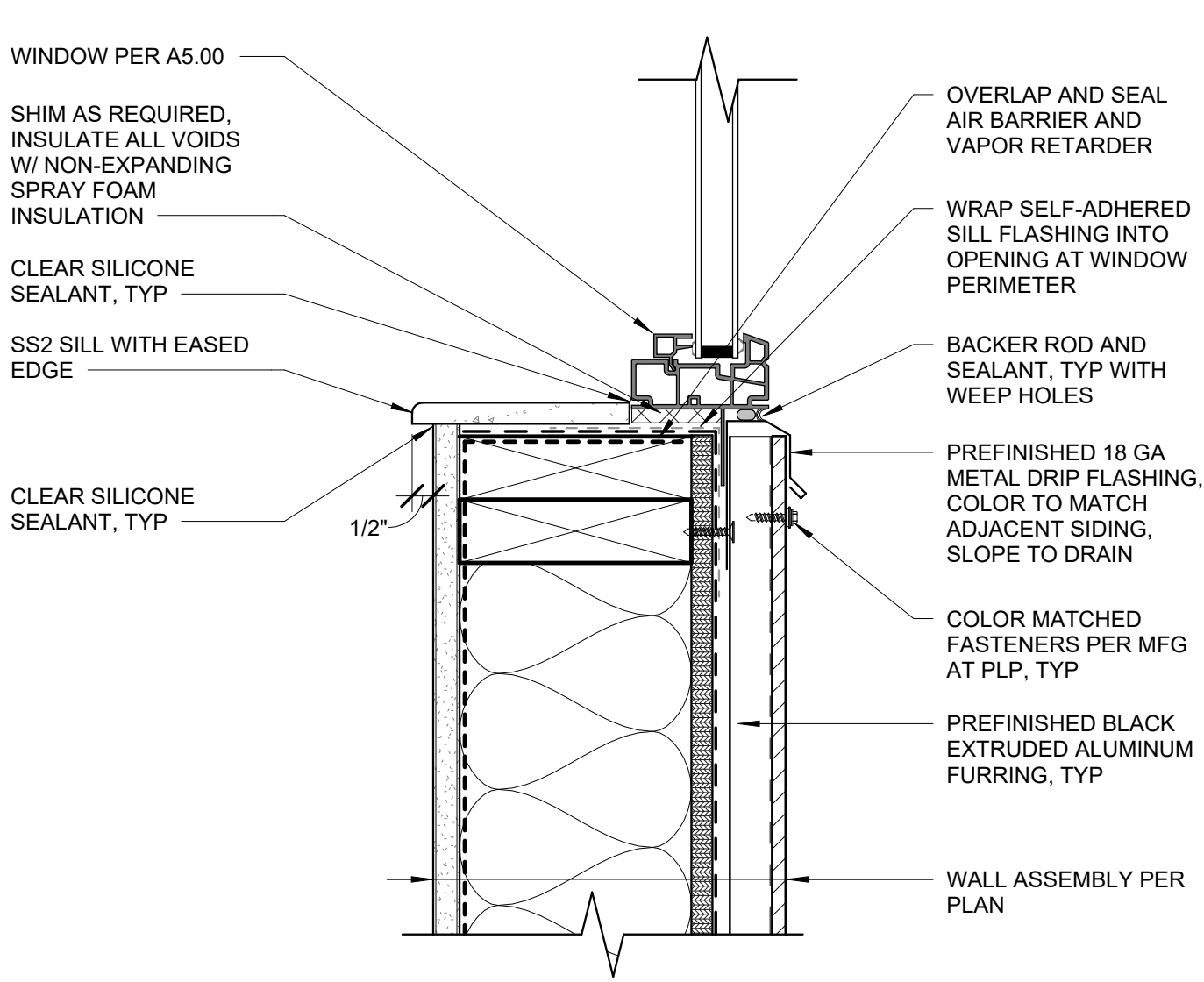
**4 IHM DOOR THRESHOLD**  
 3" = 1'-0"



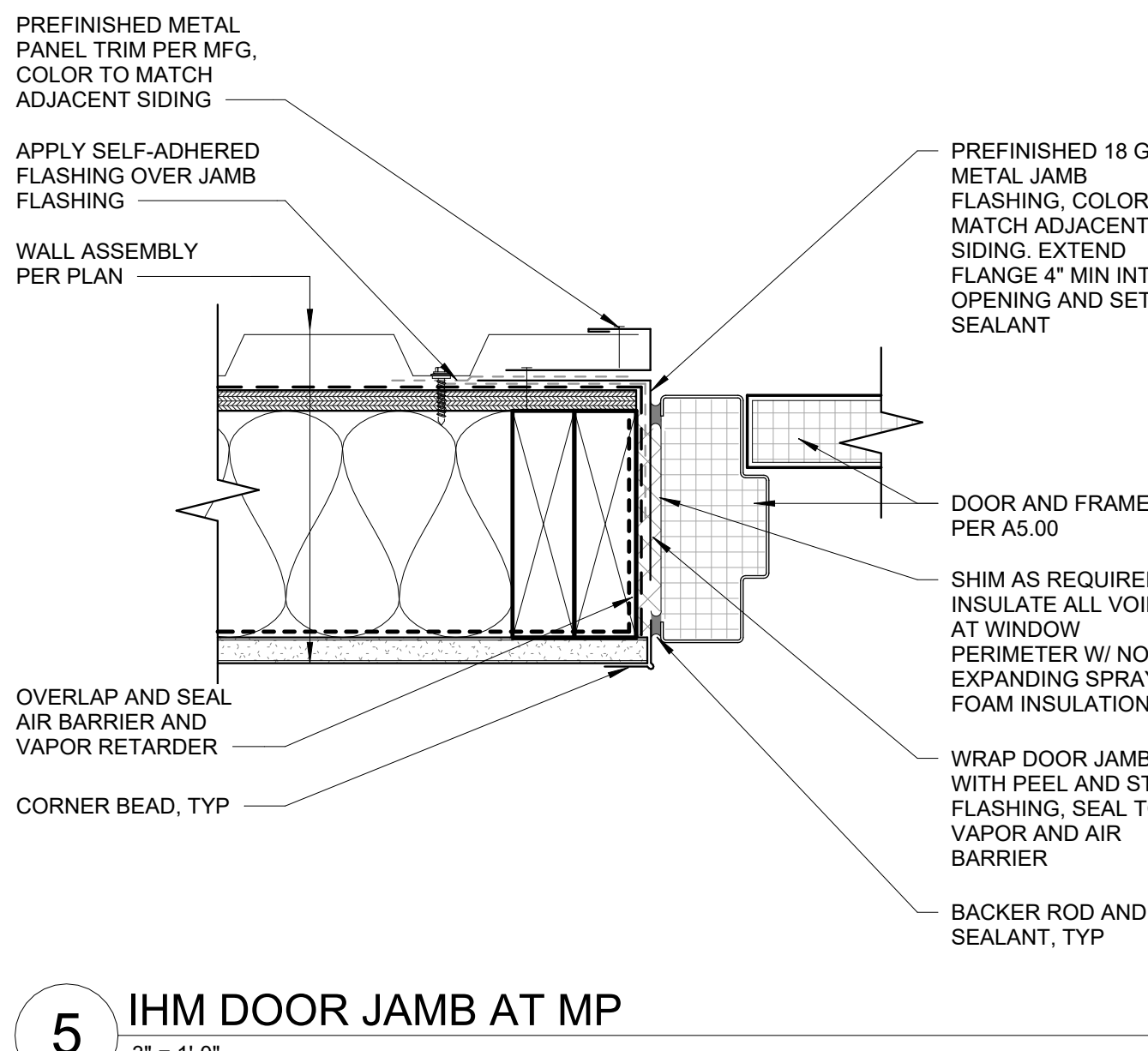
**7 WINDOW SILL AT MP**  
 3" = 1'-0"



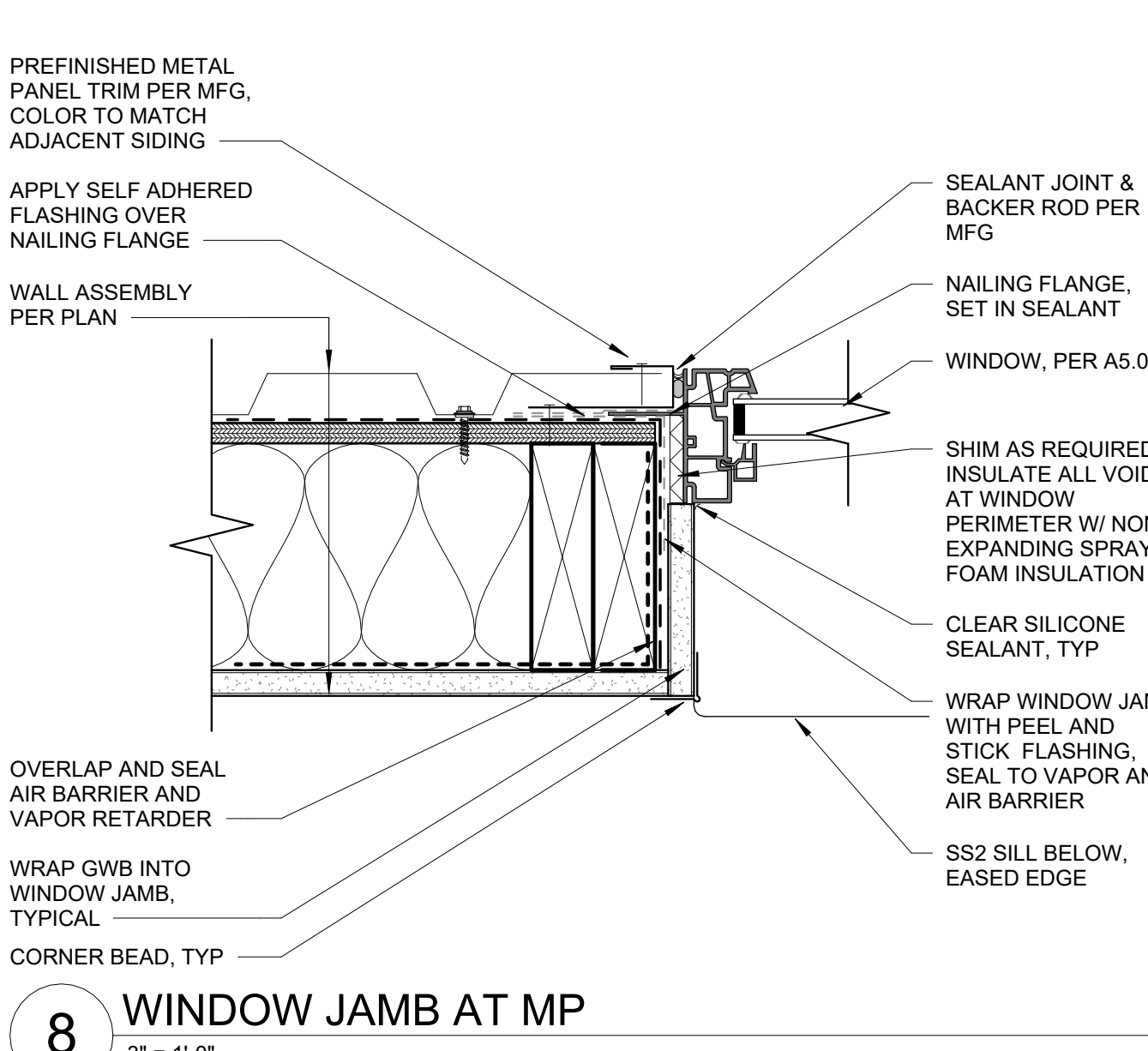
**10 WINDOW SILL AT PLP**  
 3" = 1'-0"



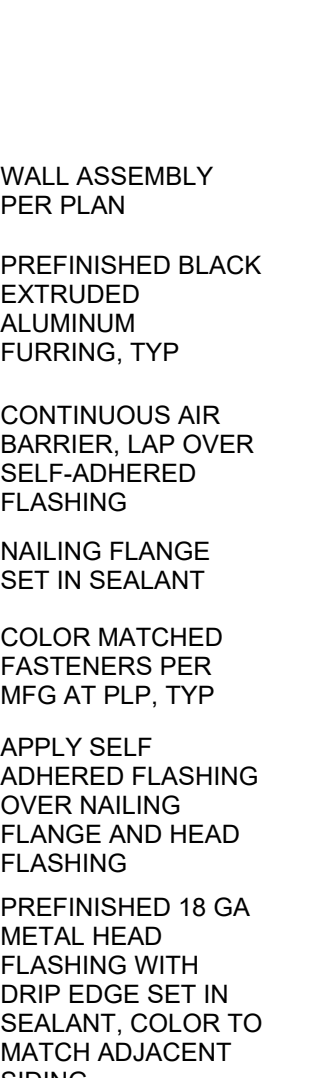
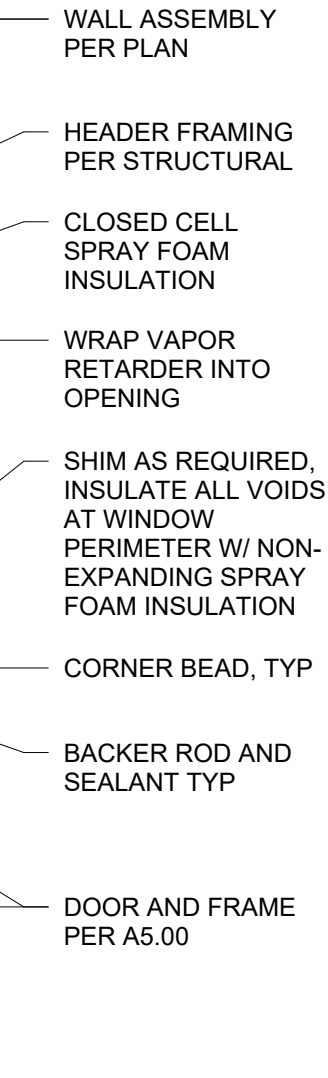
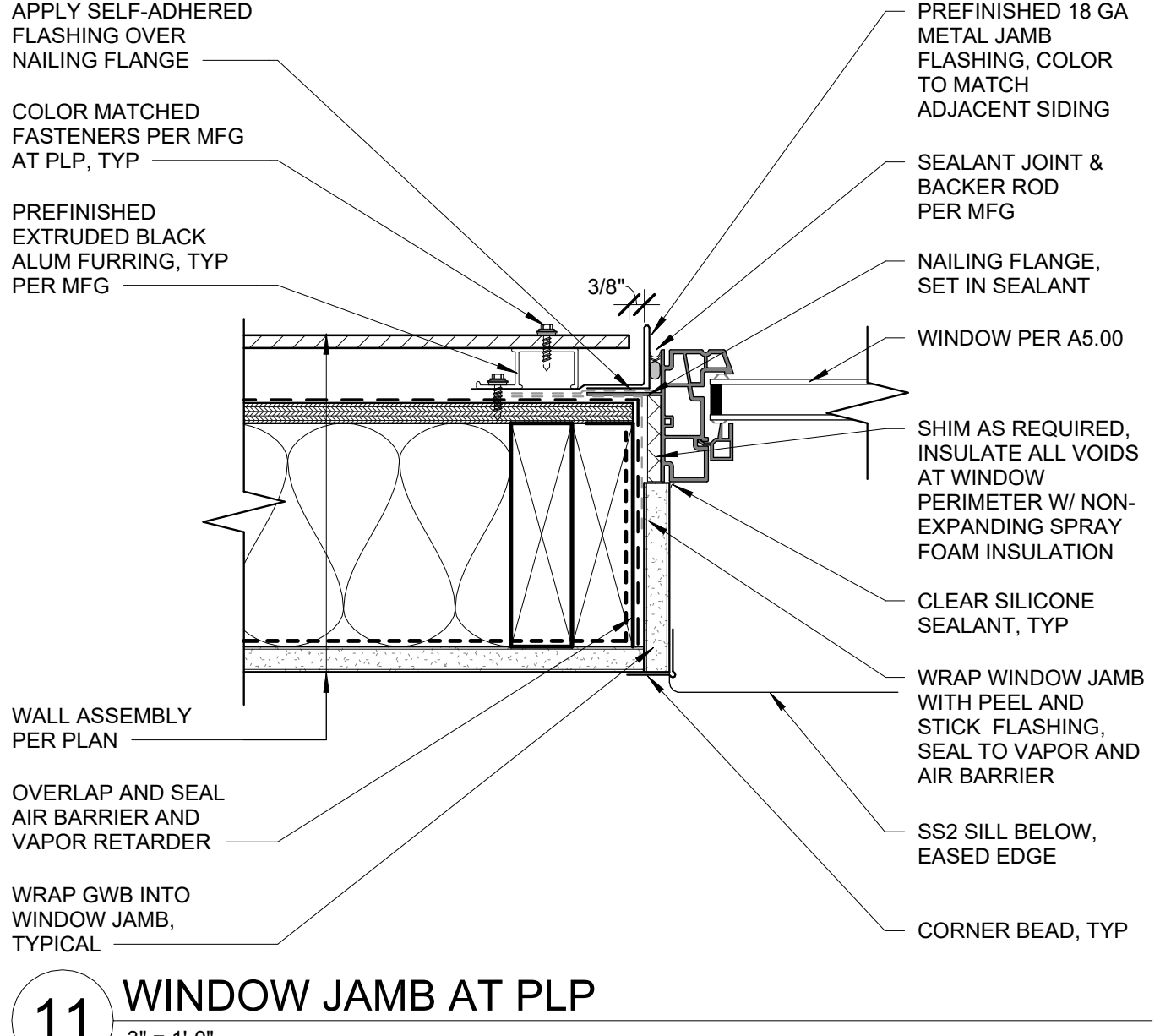
**6 IHM DOOR HEAD AT MP**  
 3" = 1'-0"



**9 WINDOW HEAD AT MP**  
 3" = 1'-0"



**12 WINDOW HEAD AT PLP**  
 3" = 1'-0"





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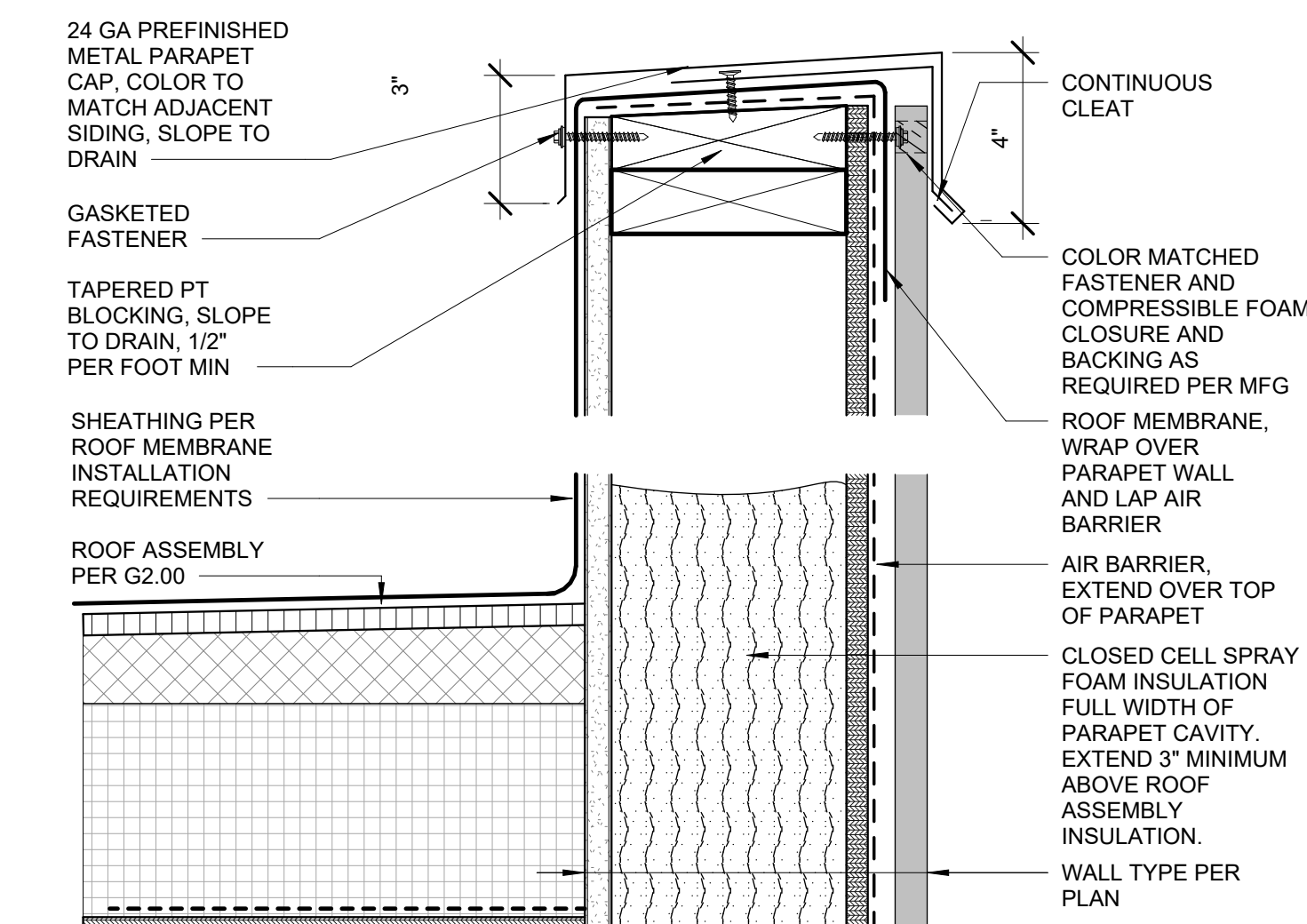
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

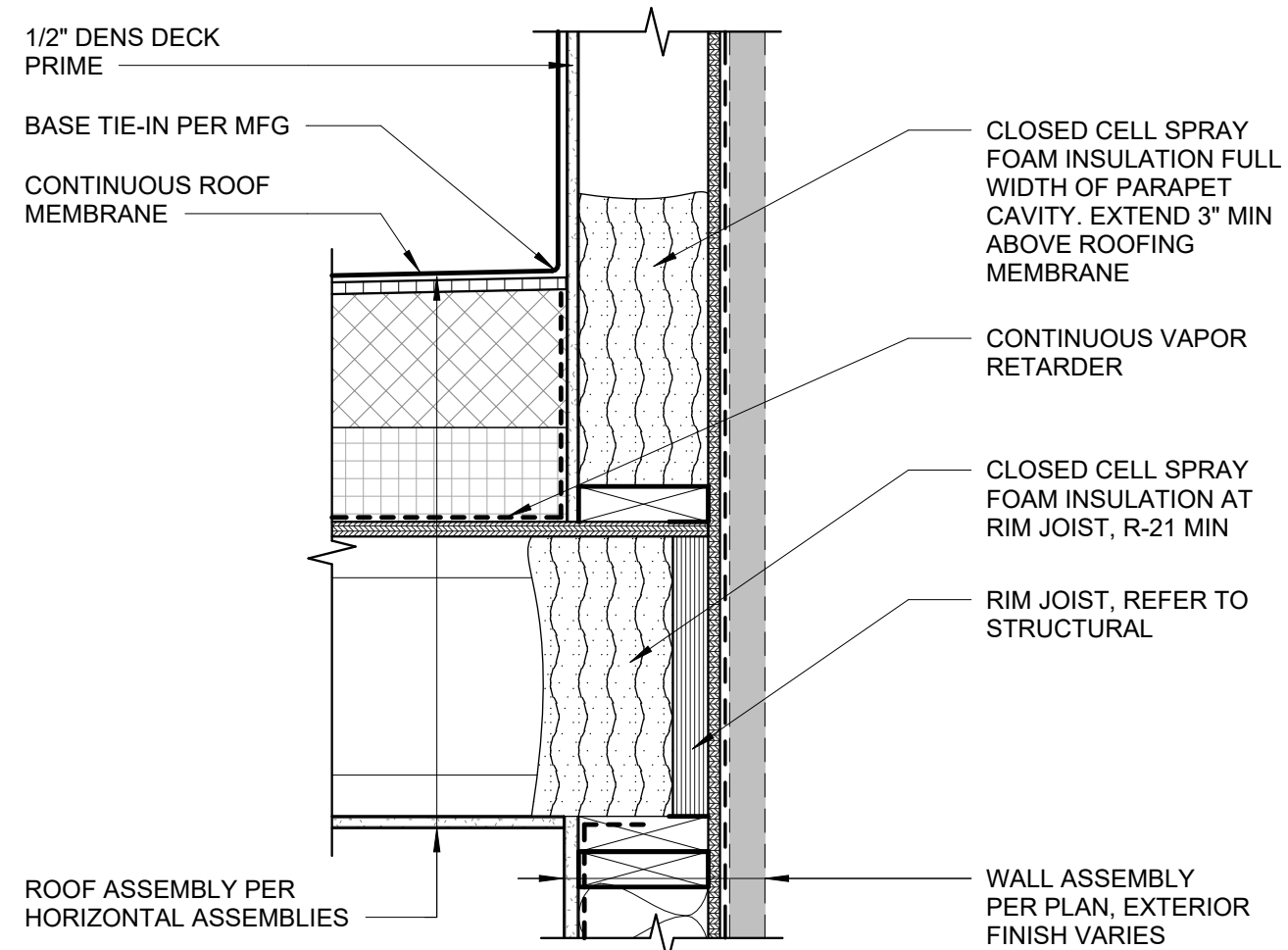
SHEET NAME  
 EXTERIOR DETAILS - ROOF

SHEET NO.  
**A6.02**

**9** PARAPET CAP AT PLP  
 3" = 1'-0"

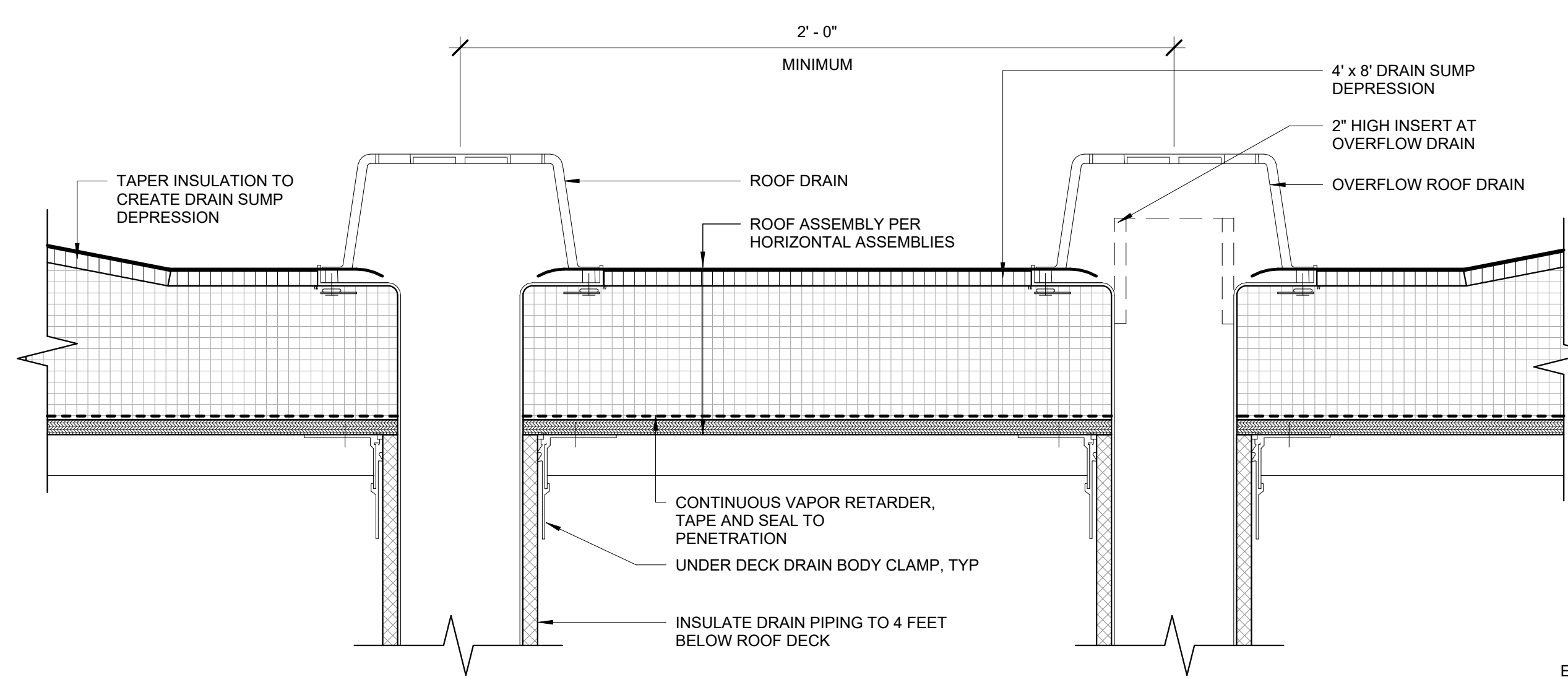


**8** PARAPET CAP AT MTL  
 3" = 1'-0"

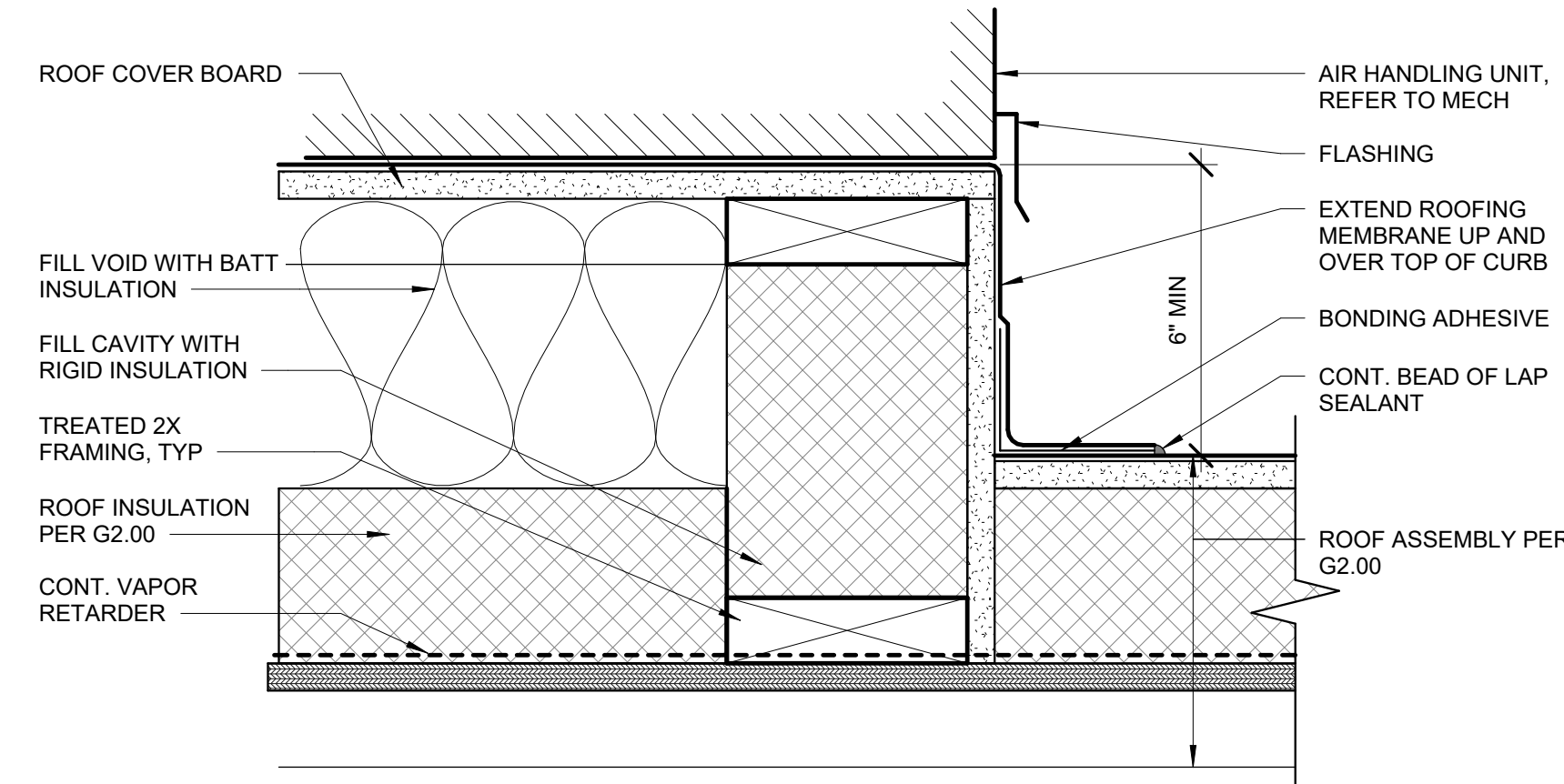


**7** TYP ROOF ASSEMBLY TRANSITION AT EXT WALL  
 1 1/2" = 1'-0"

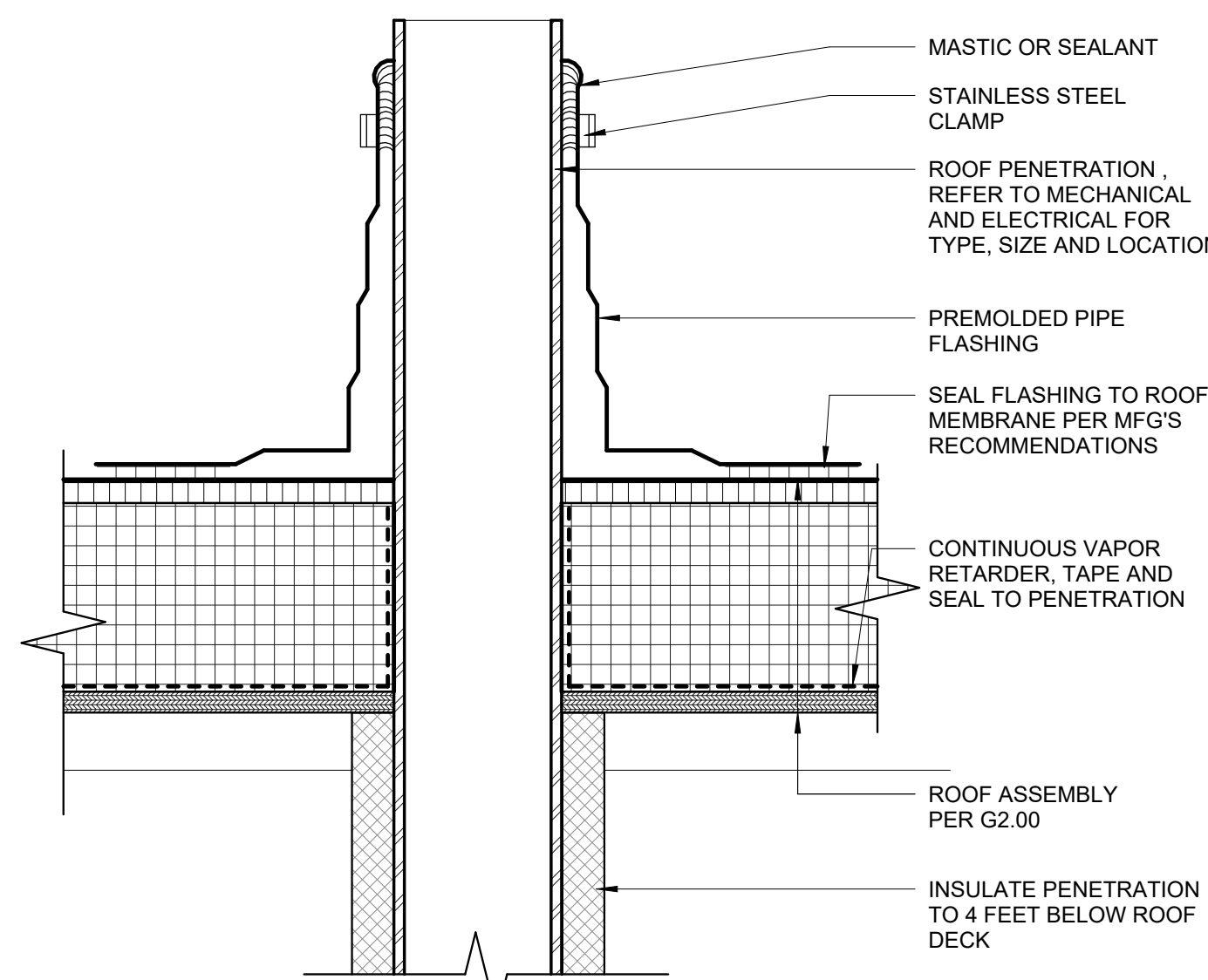
**6** TYP ROOF AND OVERFLOW DETAIL  
 3" = 1'-0"



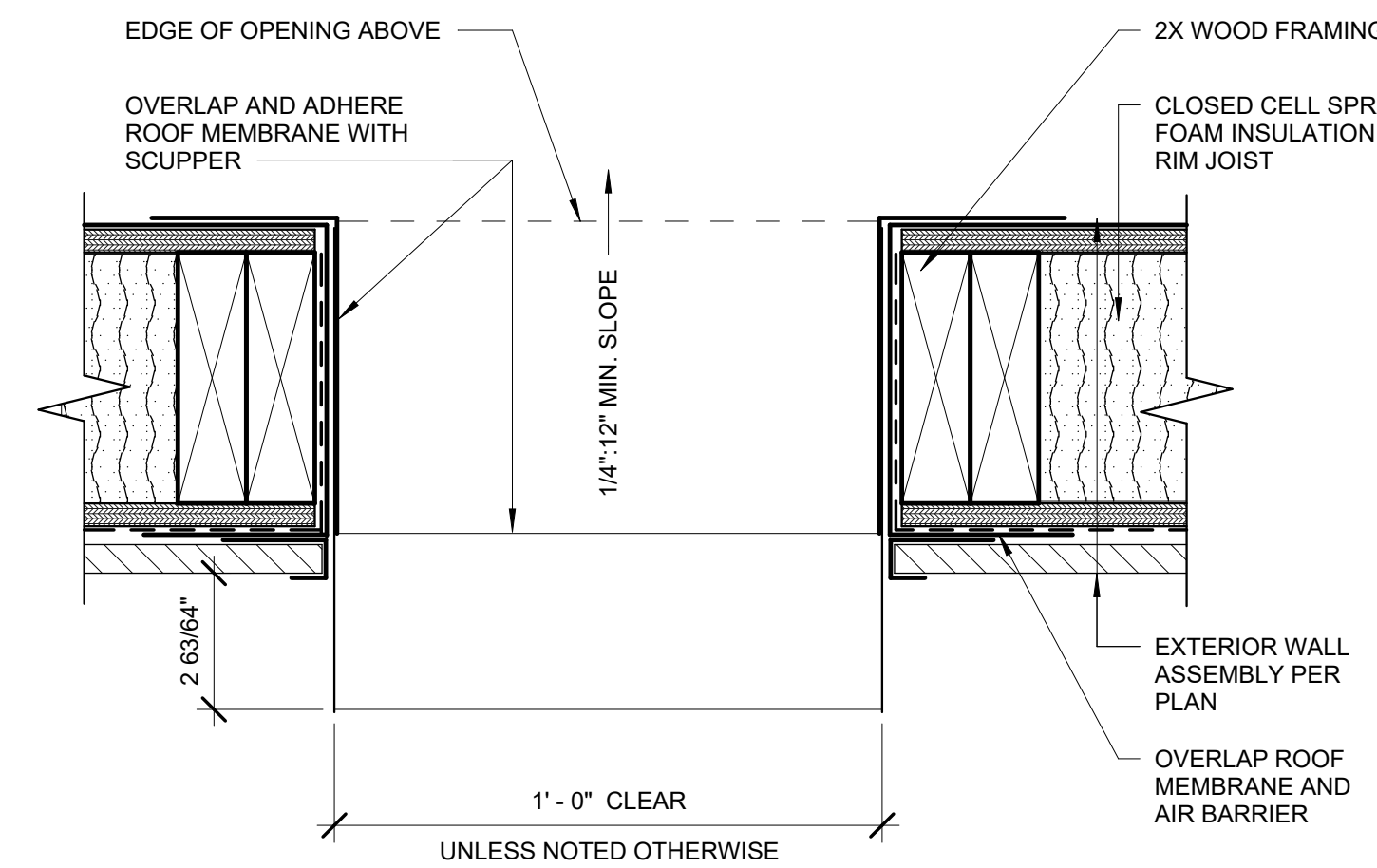
**5** ROOF AHU CURB  
 3" = 1'-0"



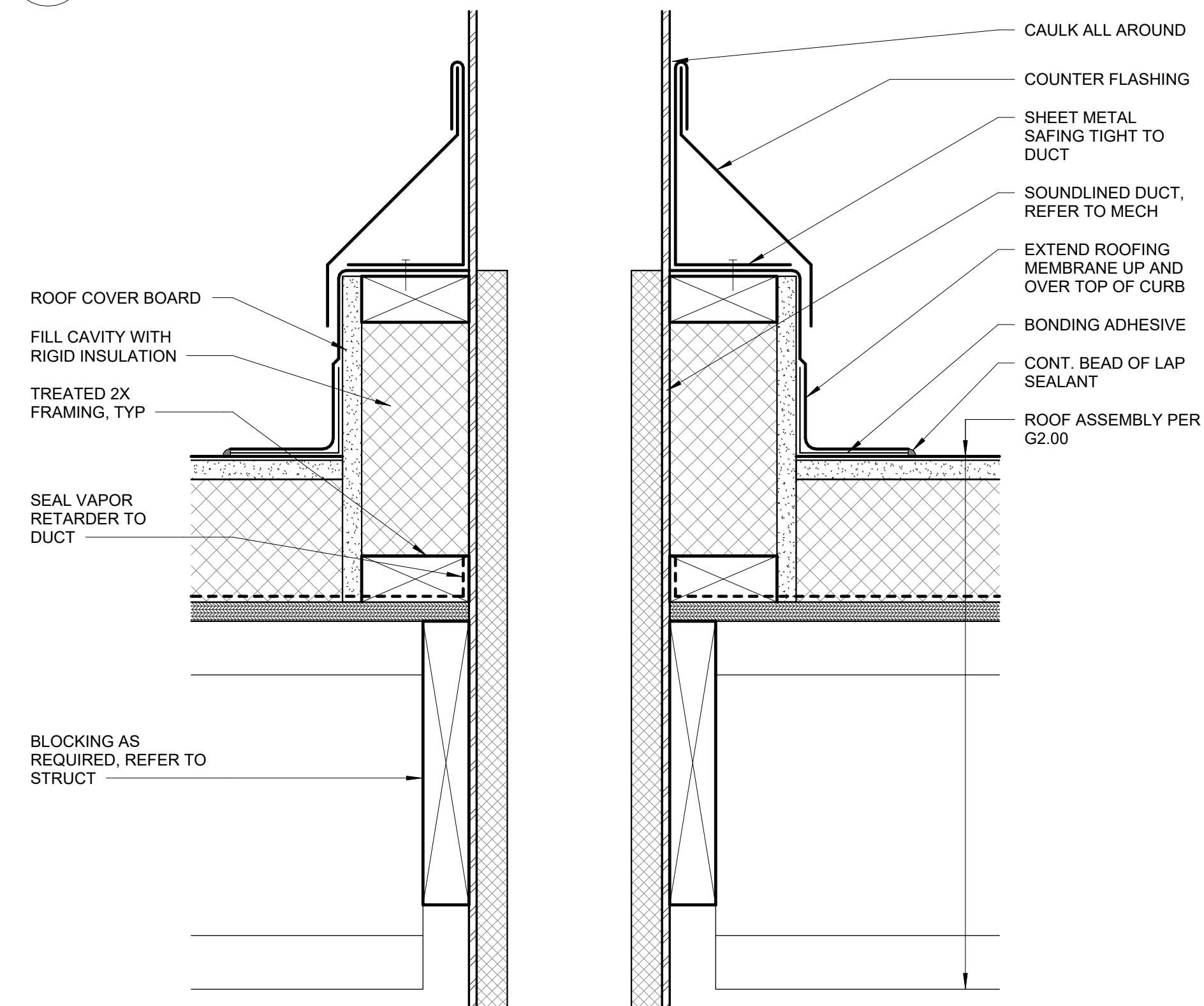
**4** TYP ROOF PENETRATION DETAIL  
 3" = 1'-0"



**2** ROOF SCUPPER PLAN DETAIL  
 3" = 1'-0"



**1** ROOF DUCT PENETRATION  
 3" = 1'-0"





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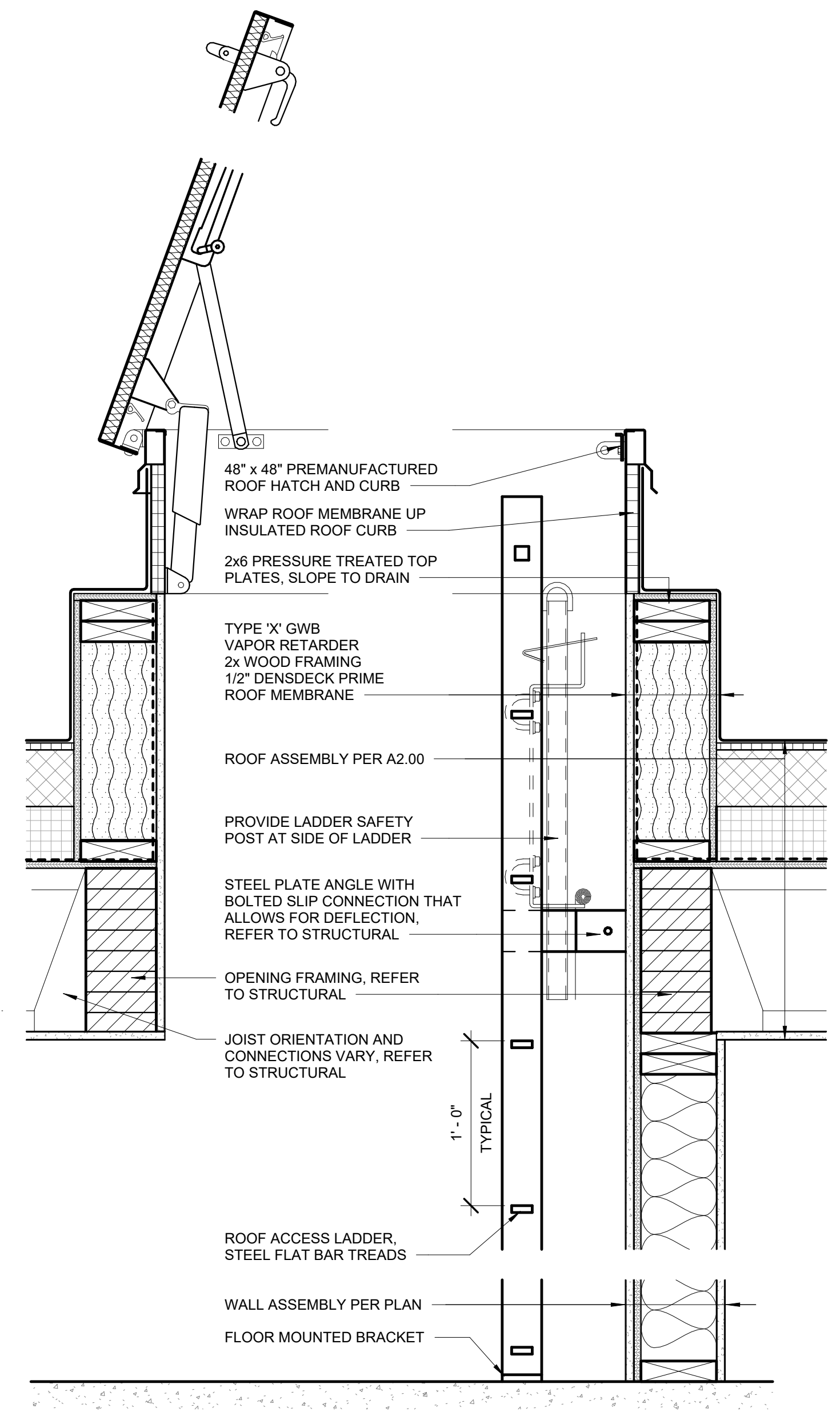
ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE

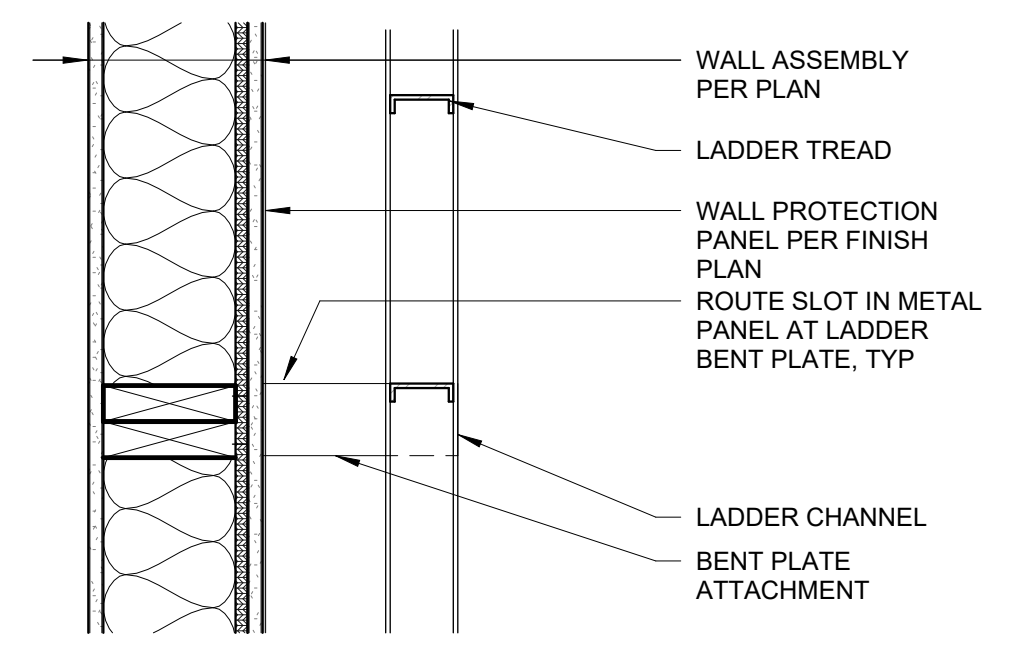
JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 EXTERIOR / INTERIOR - ROOF  
 ACCESS LADDER

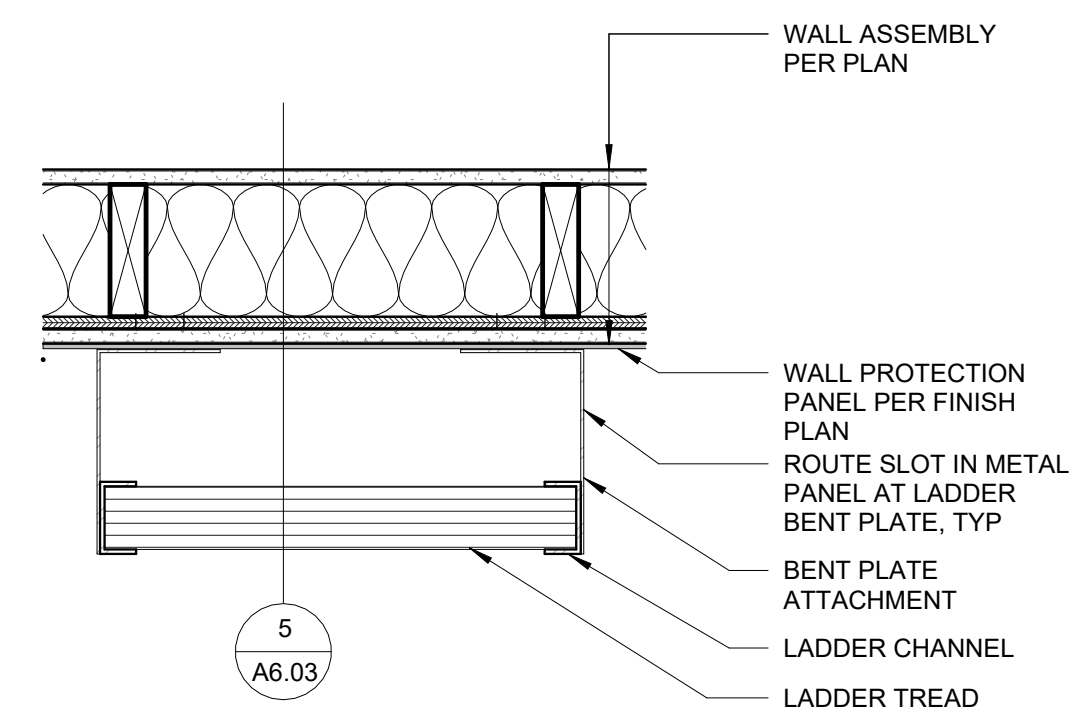
SHEET NO.  
**A6.03**



**1** ROOF HATCH DETAIL  
 1 1/2" = 1'-0"



**5** ROOF ACCESS LADDER ATTACHMENT SECTION  
 1 1/2" = 1'-0"



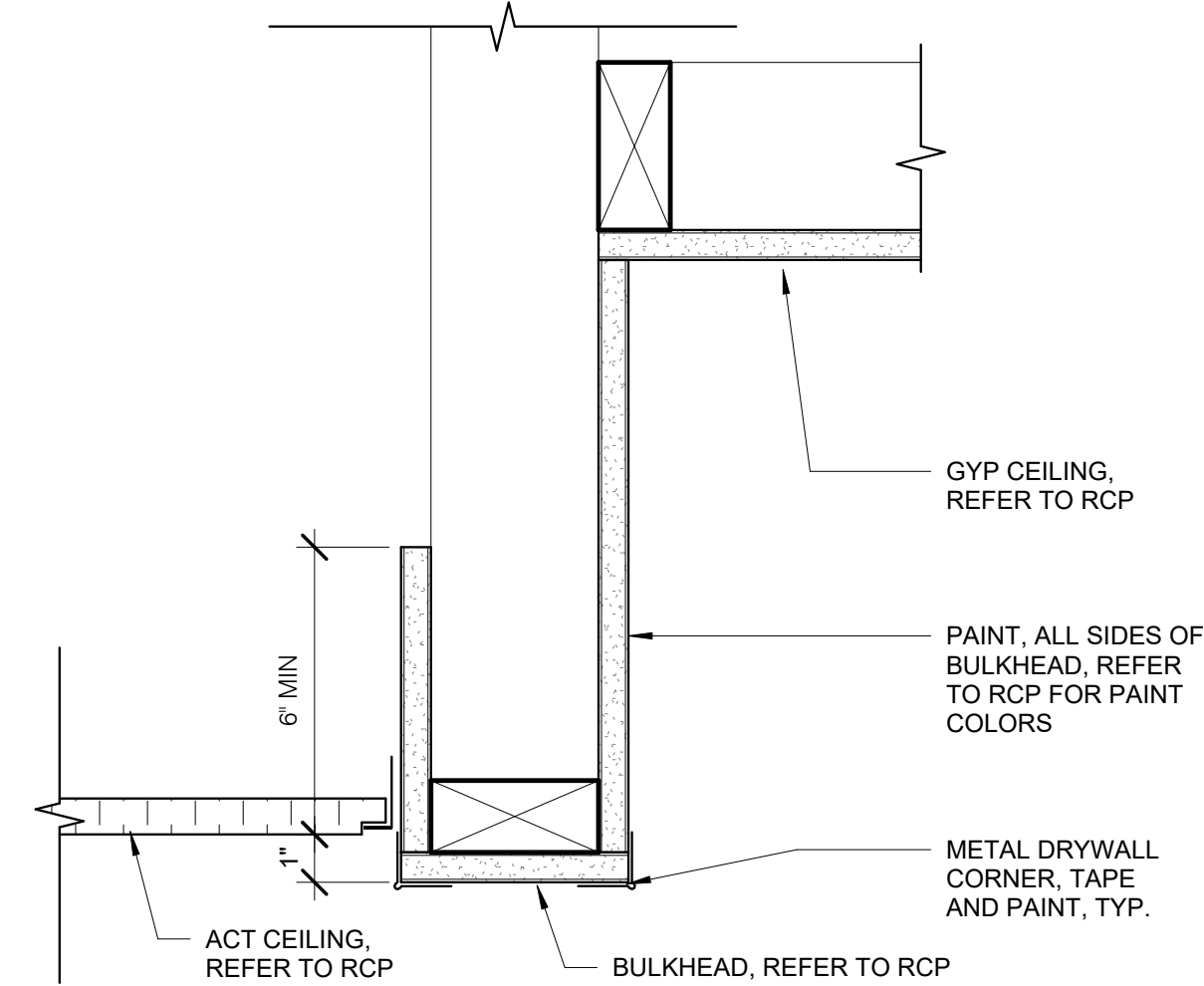
**4** ROOF ACCESS LADDER ATTACHMENT PLAN  
 1 1/2" = 1'-0"



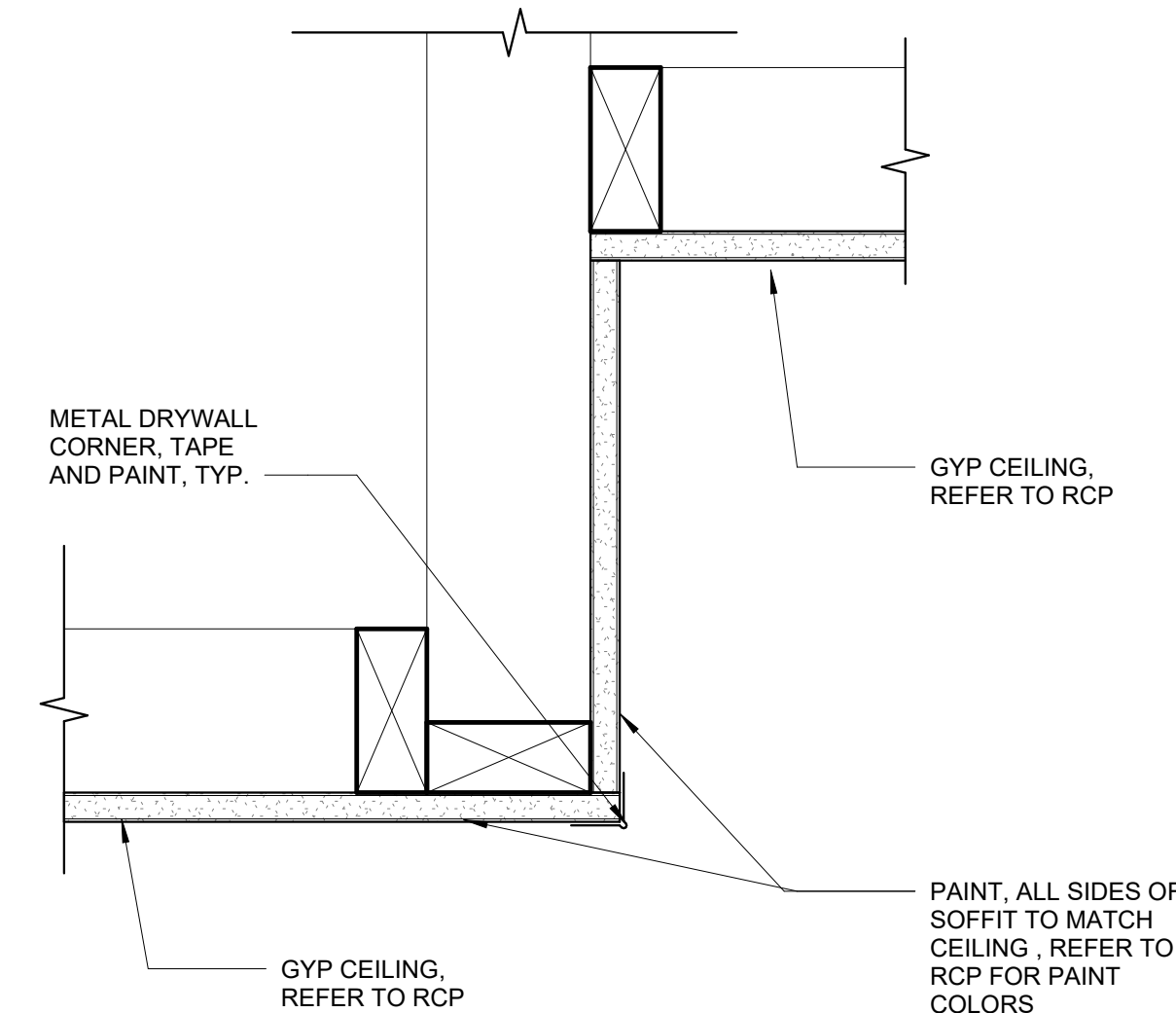
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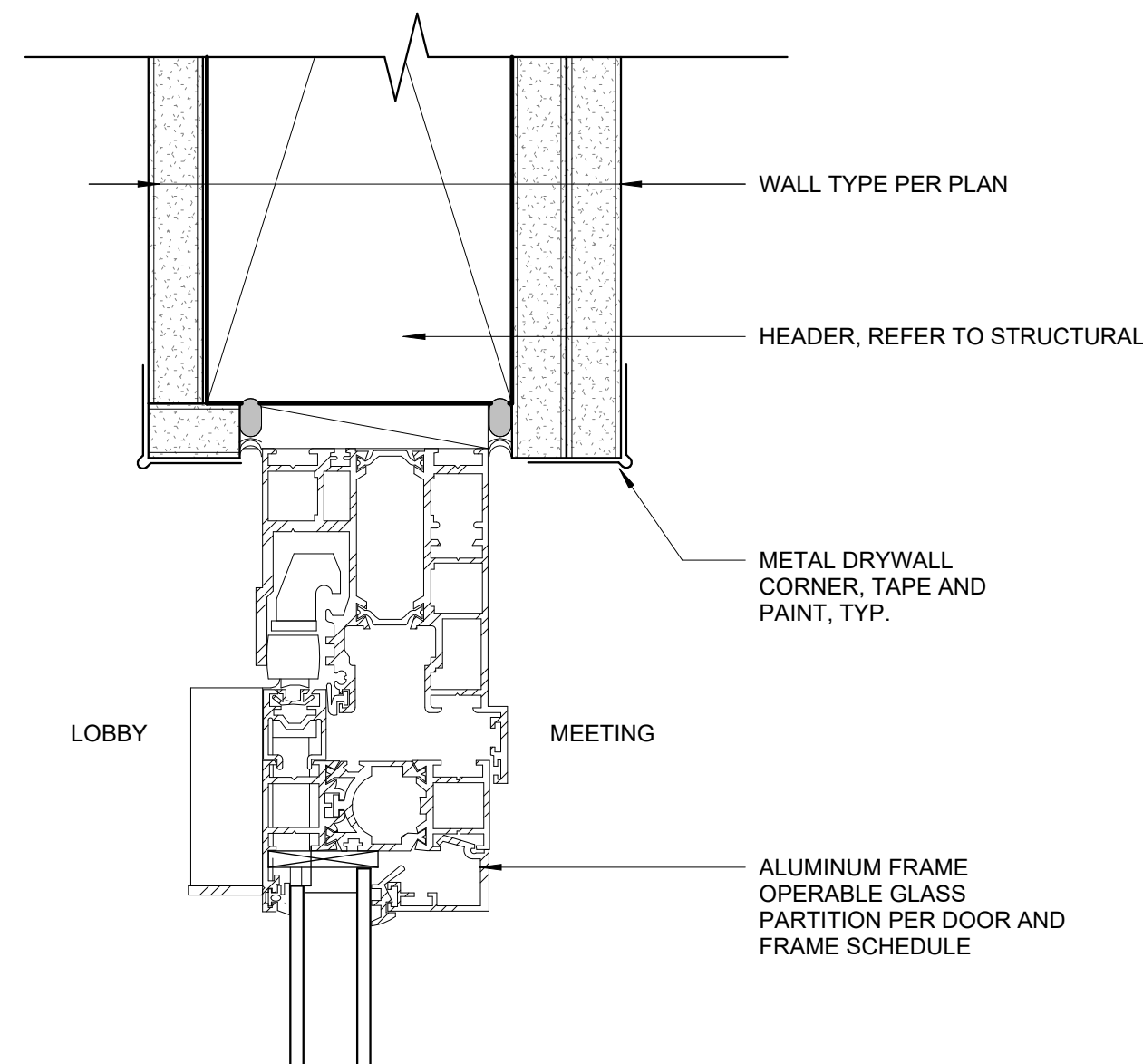
ANCHORAGE COMMUNITY LAND TRUST  
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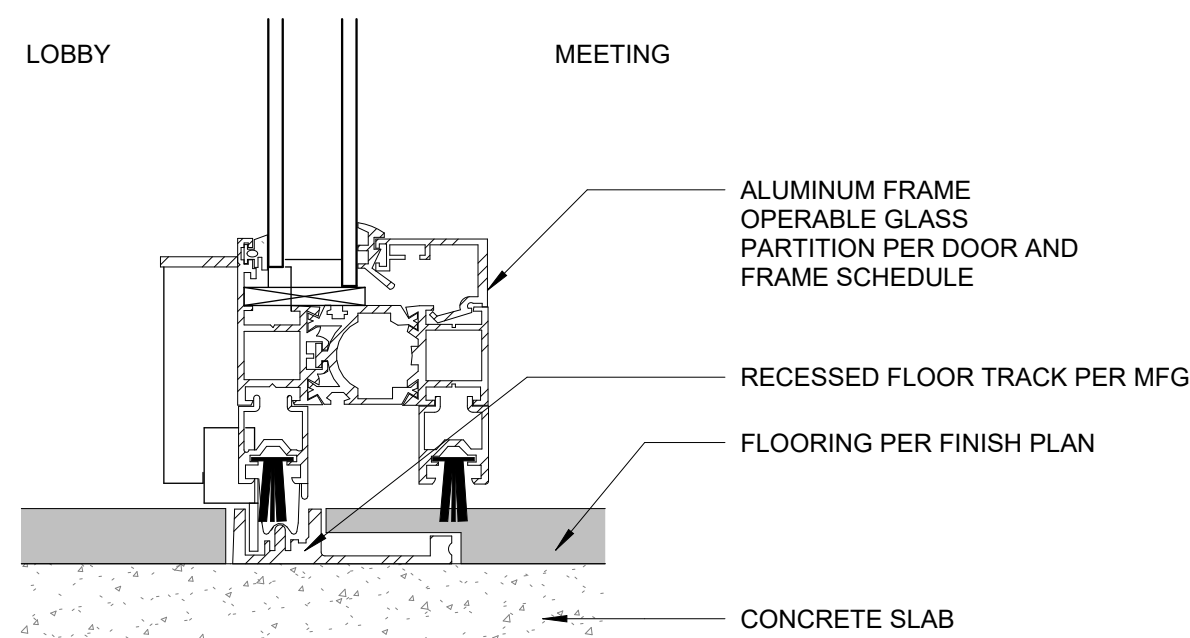
9 ACT TO BULKHEAD AT LOBBY  
 3" = 1'-0"



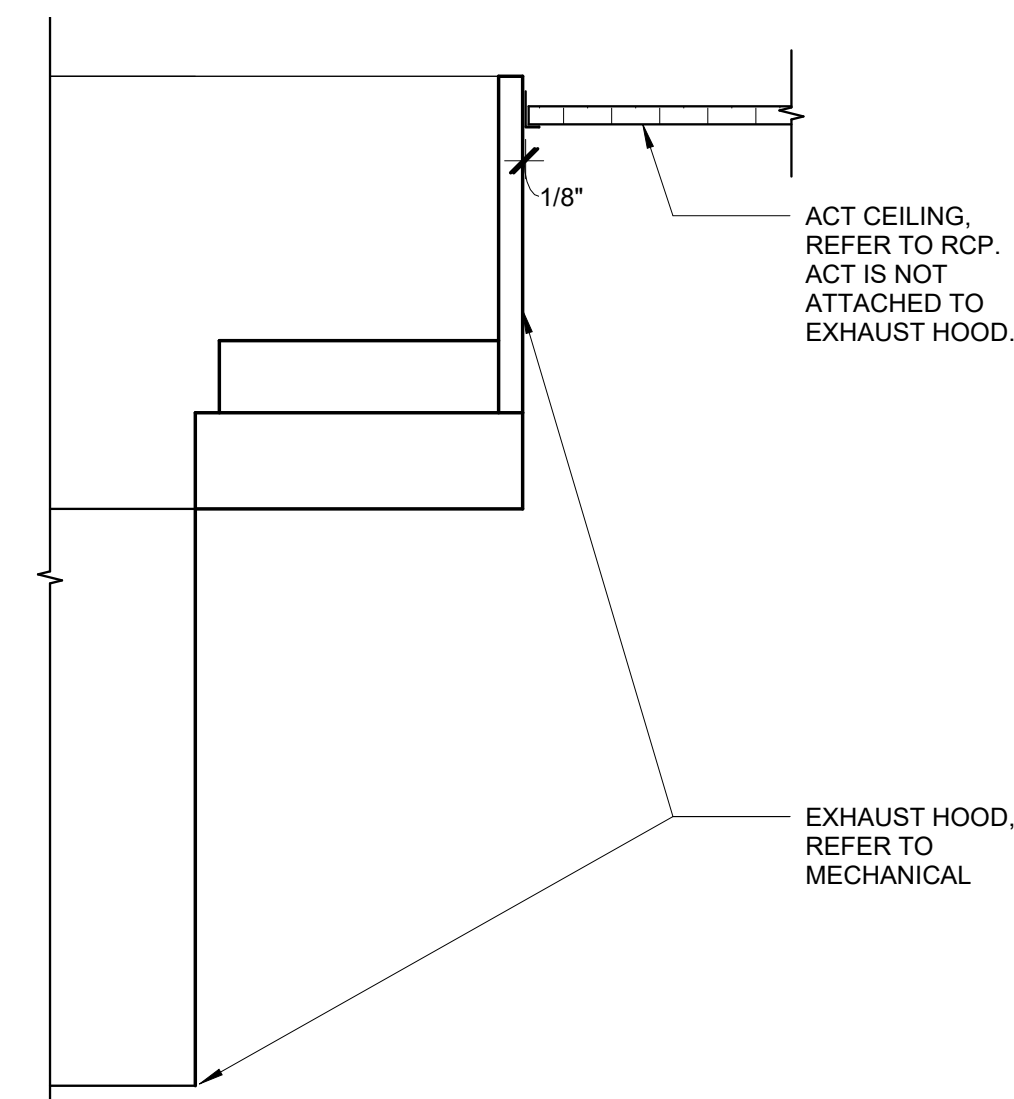
6 GYP SOFFIT TO GYP CEILING  
 3" = 1'-0"



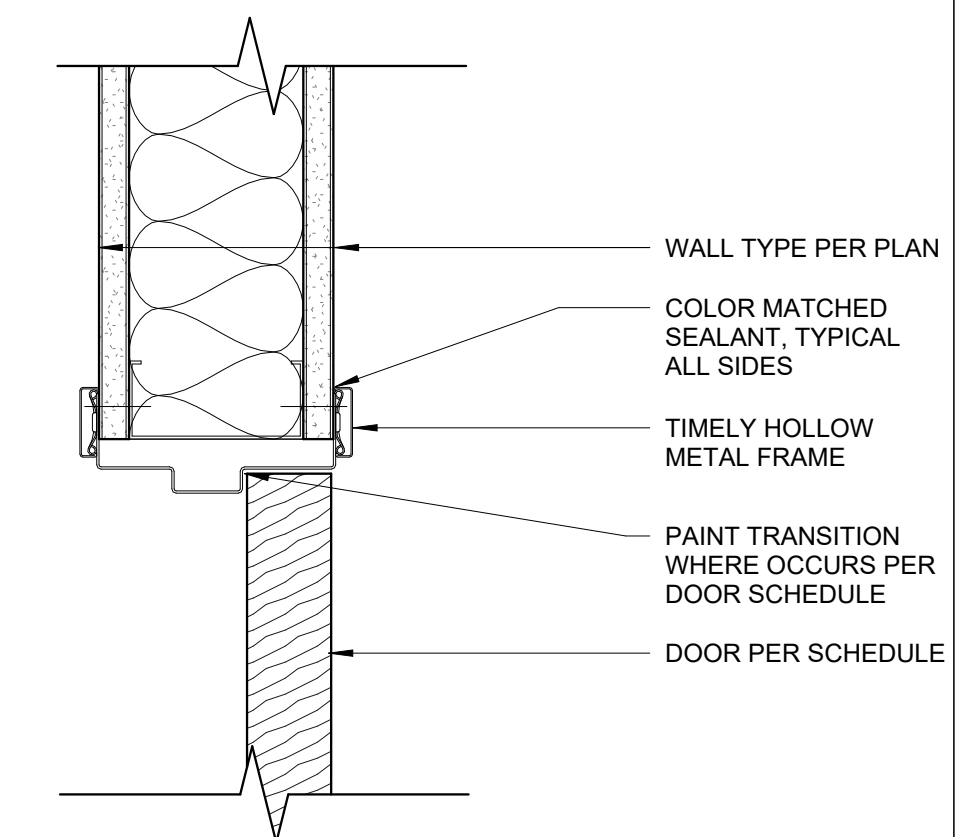
8 OPERABLE GLASS PARTITION HEAD  
 6" = 1'-0"



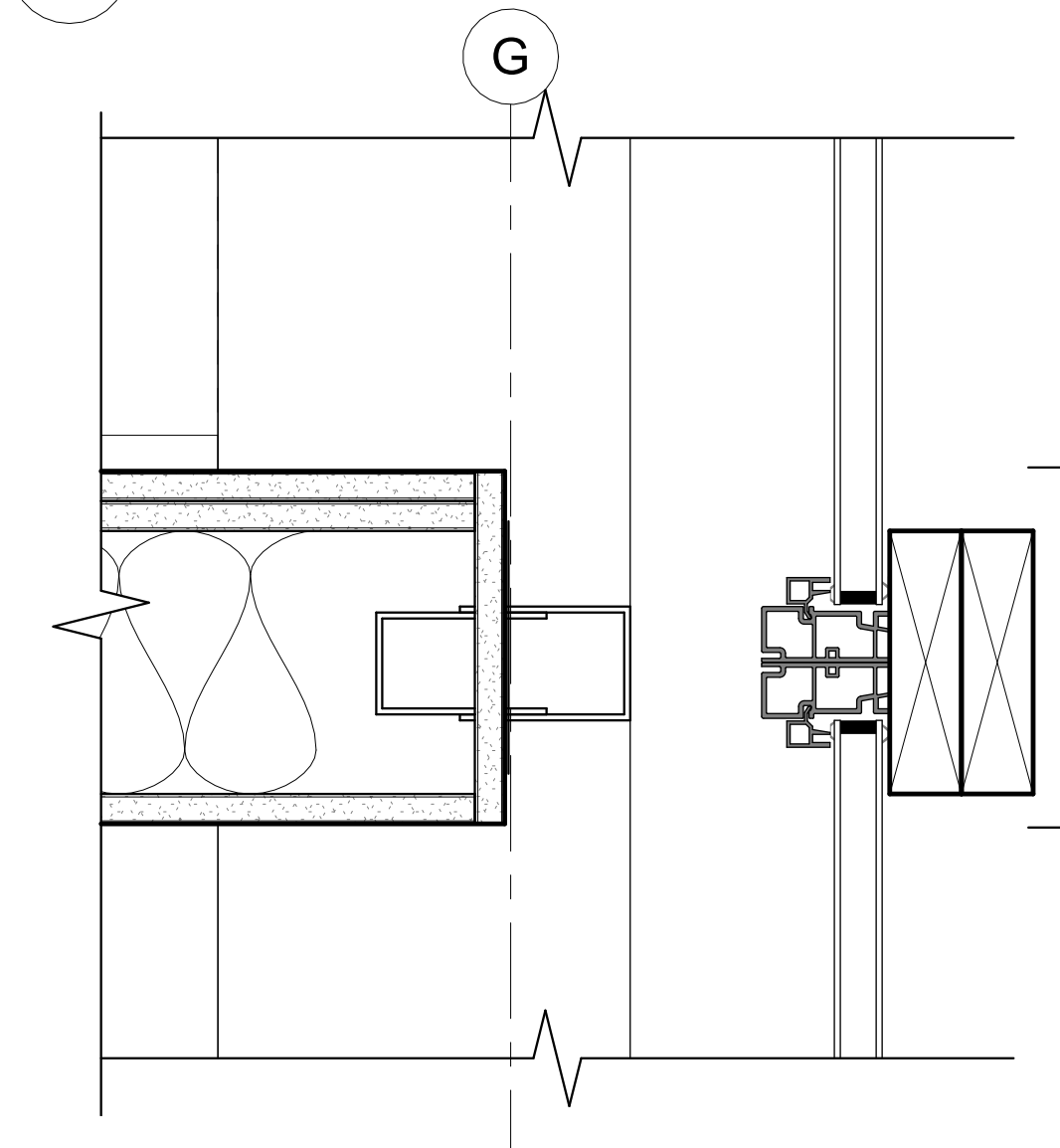
7 OPERABLE GLASS PARTITION SILL  
 6" = 1'-0"



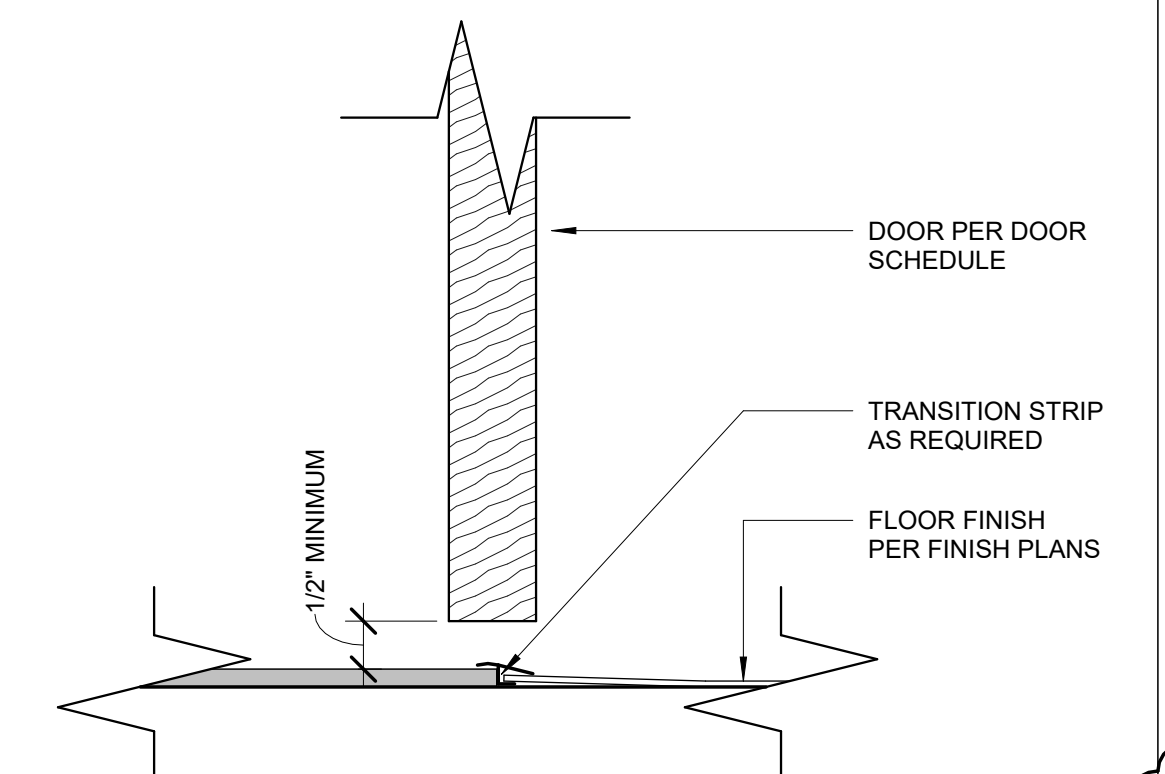
5 EXHAUST HOOD TO ACT1  
 1 1/2" = 1'-0"



2 HOLLOW METAL DOOR - HEAD (JAMB SIM.)  
 3" = 1'-0"



4 INTERIOR PARTITION AT MULLION  
 3" = 1'-0"



1 INT DOOR THRESHOLD  
 6" = 1'-0"

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 INTERIOR DETAILS

SHEET NO.  
**A6.04**



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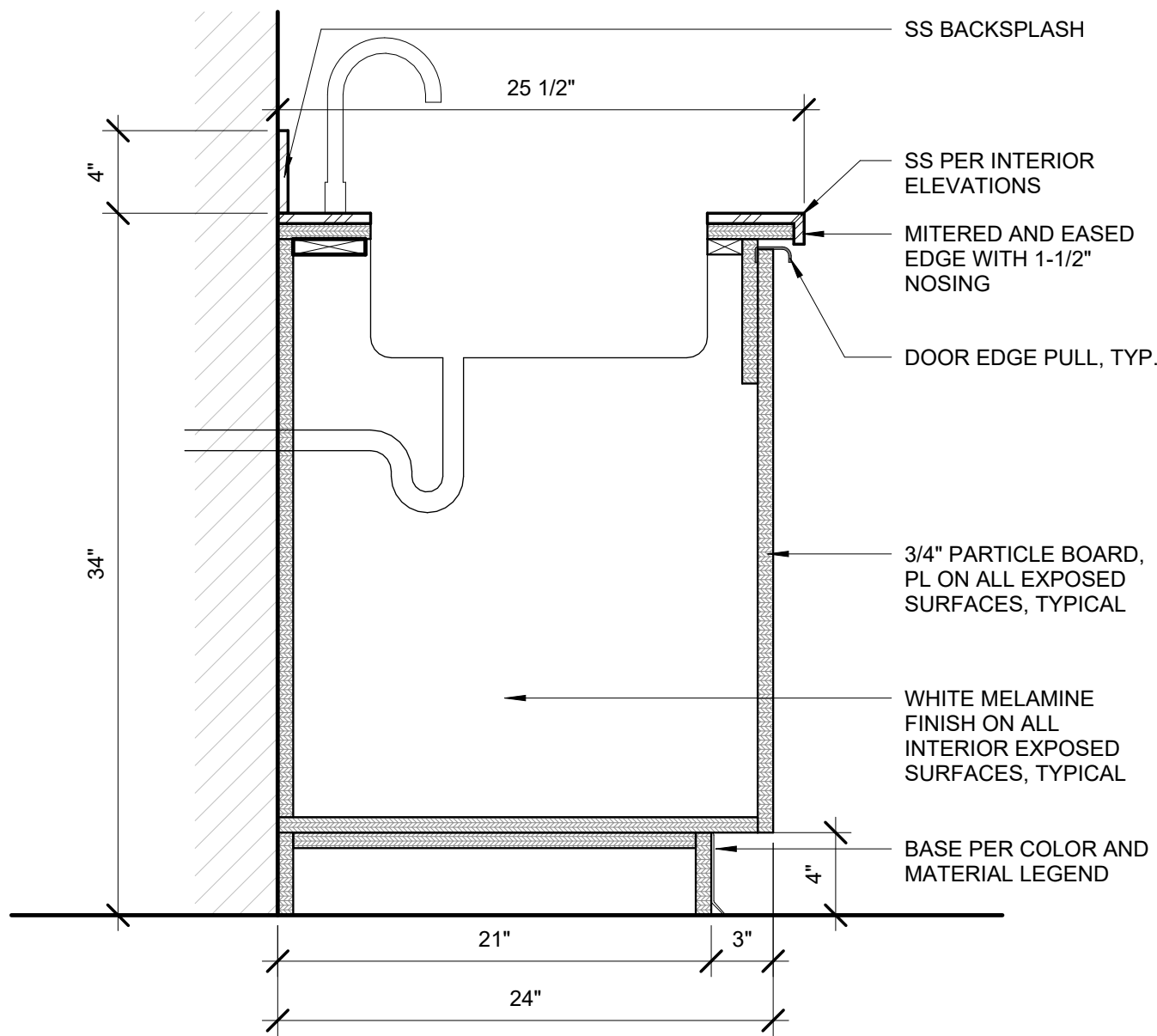
ANCHORAGE COMMUNITY LAND TRUST  
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REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

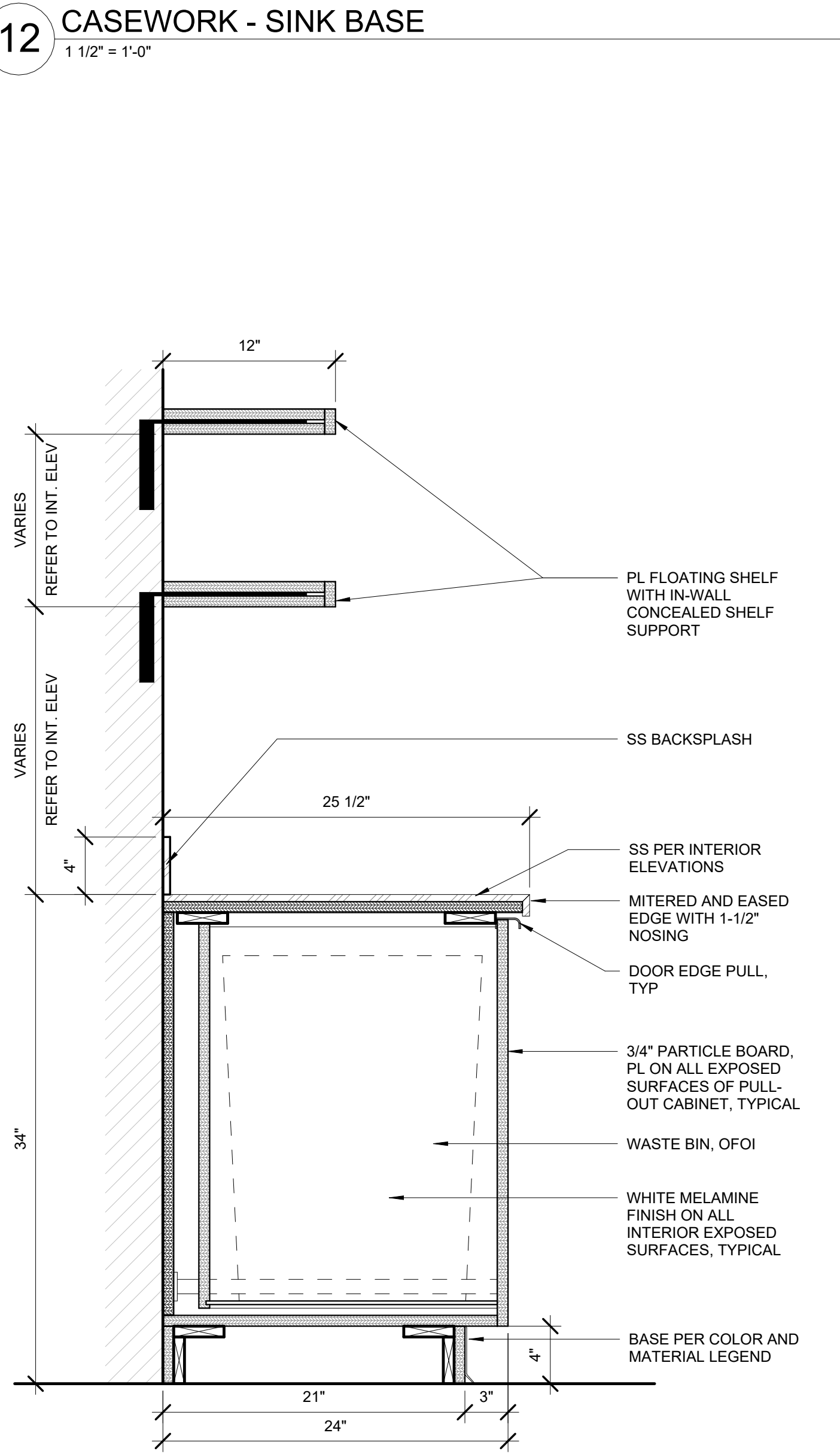
JOB NO.	23-002
DATE	2025.02.12
DRAWN	JACS
REVIEWED	DTW

SHEET NAME  
 INTERIOR DETAILS - CASEWORK

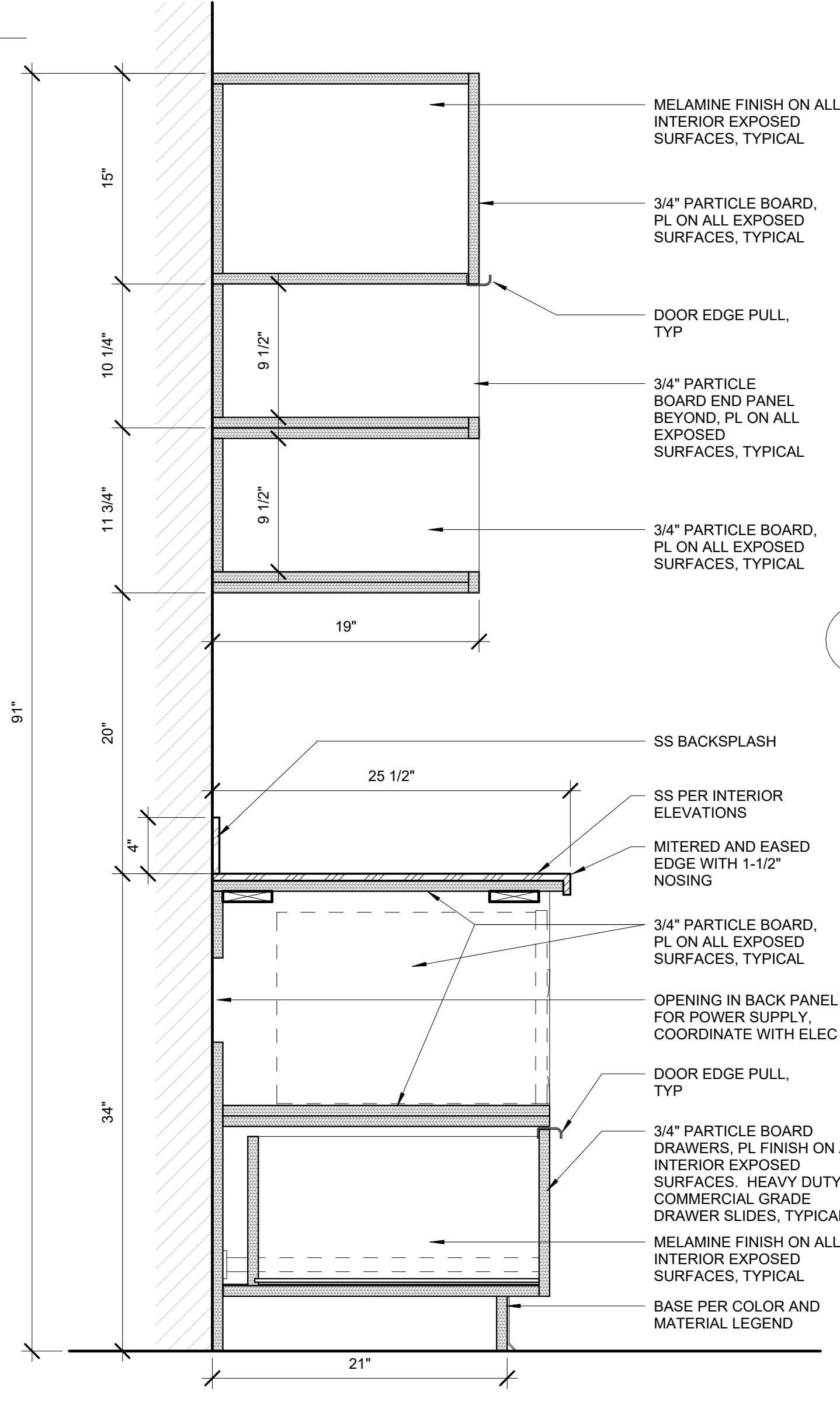
SHEET NO.  
**A6.05**



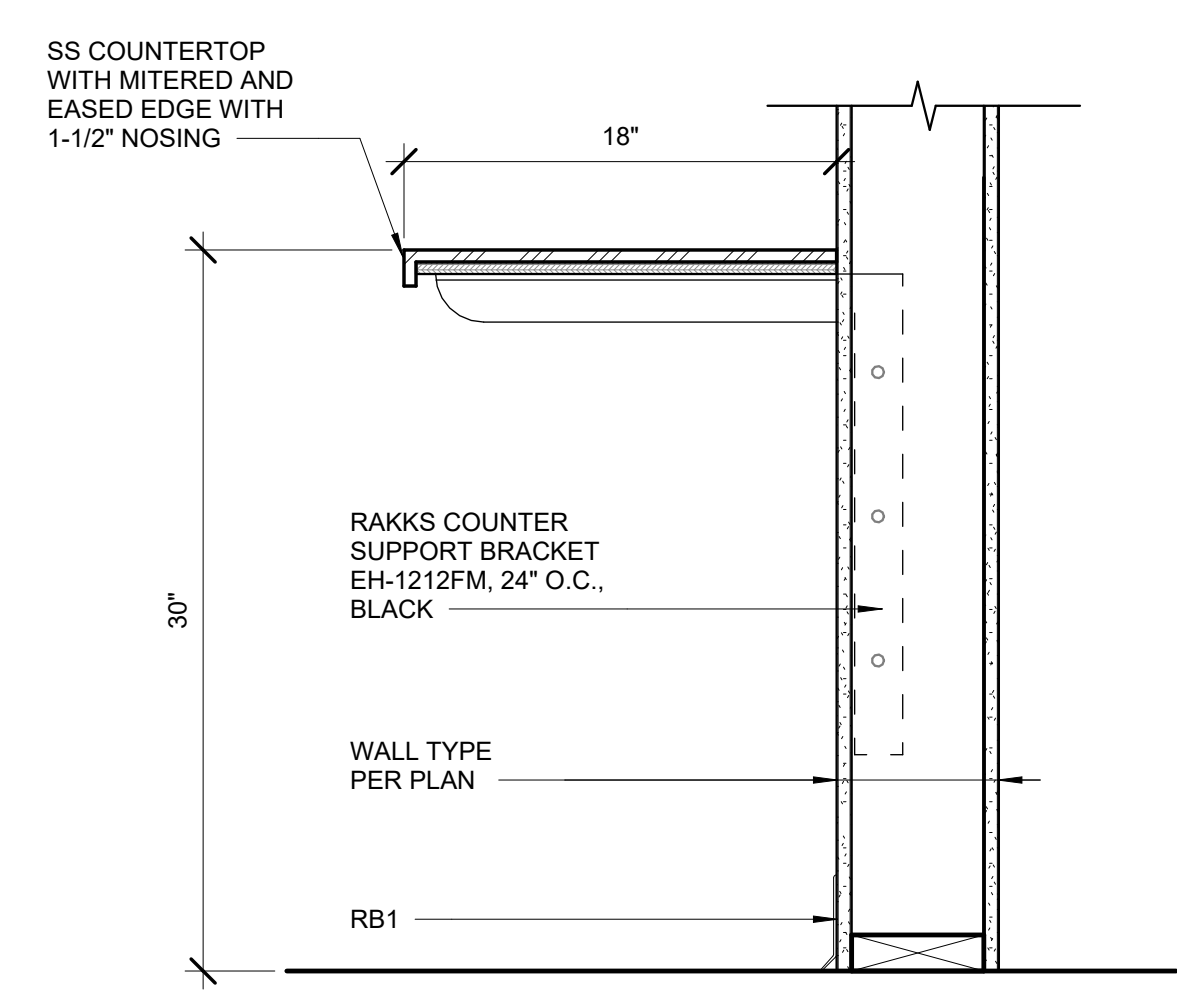
**12 CASEWORK - SINK BASE**  
 1 1/2" = 1'-0"



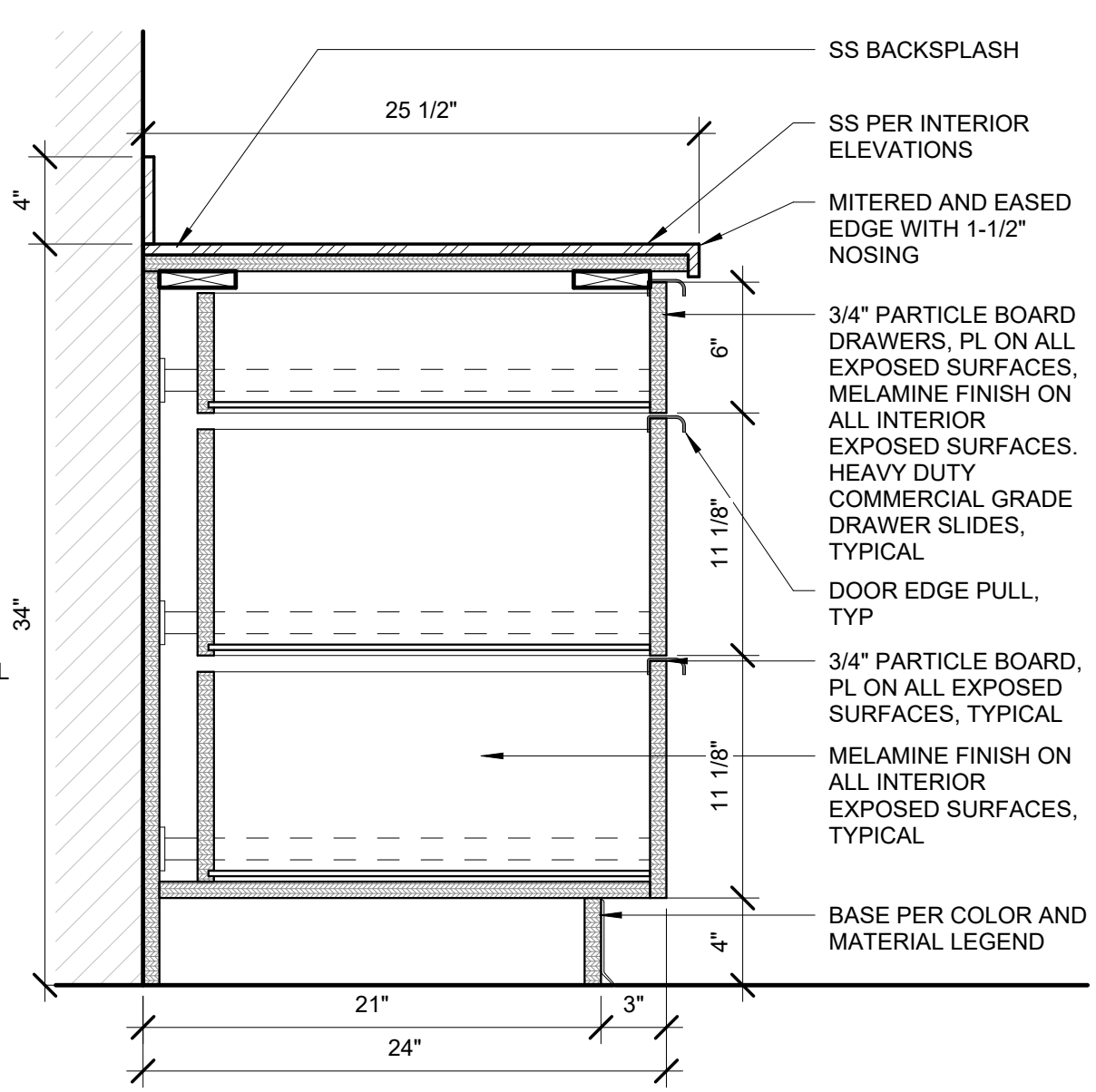
**10 CASEWORK - FLOATING SHELVES / TRASH**  
 1 1/2" = 1'-0"



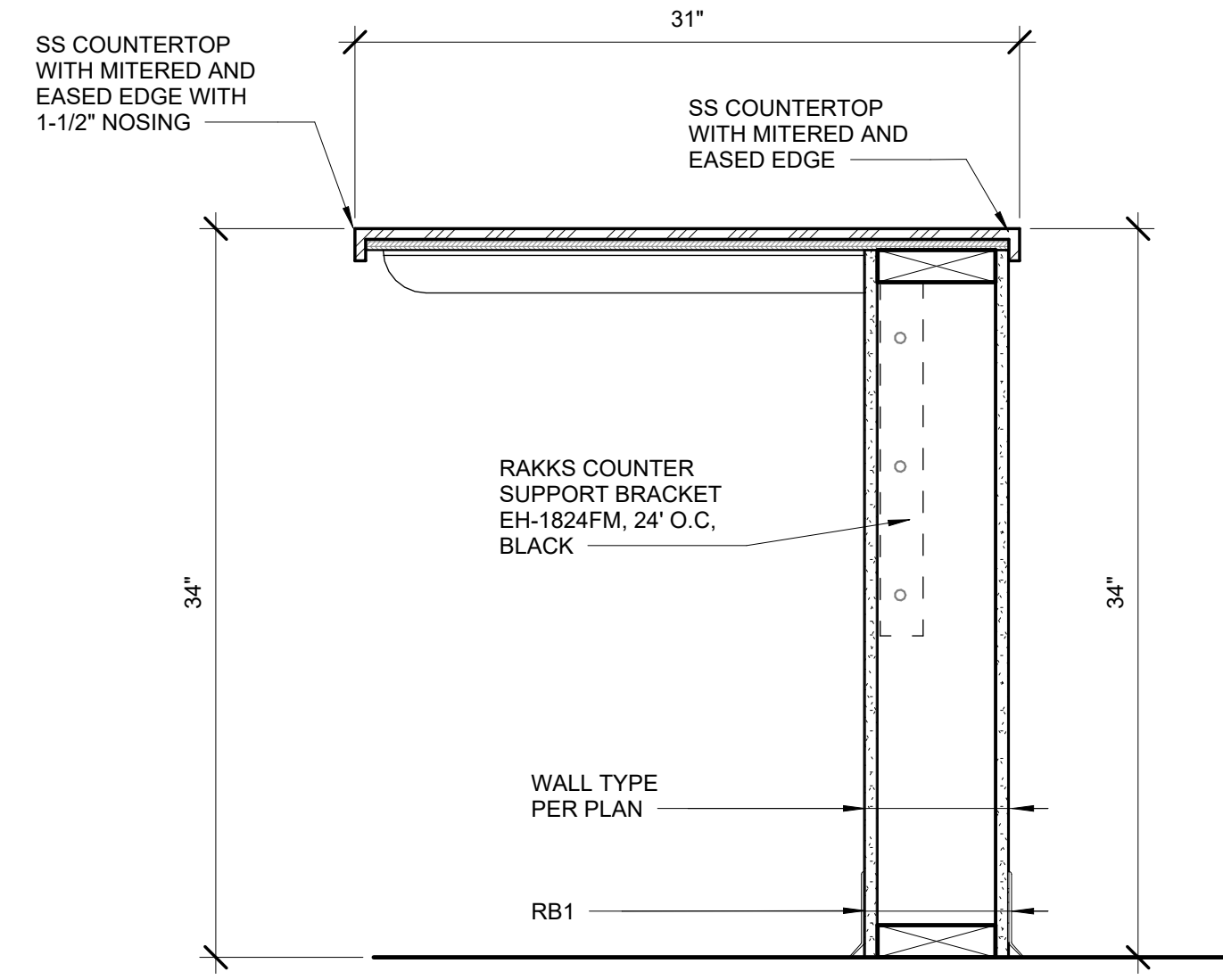
**7 CASEWORK - OPEN UPPER AND MICROWAVE SHELF BASE**  
 1 1/2" = 1'-0"



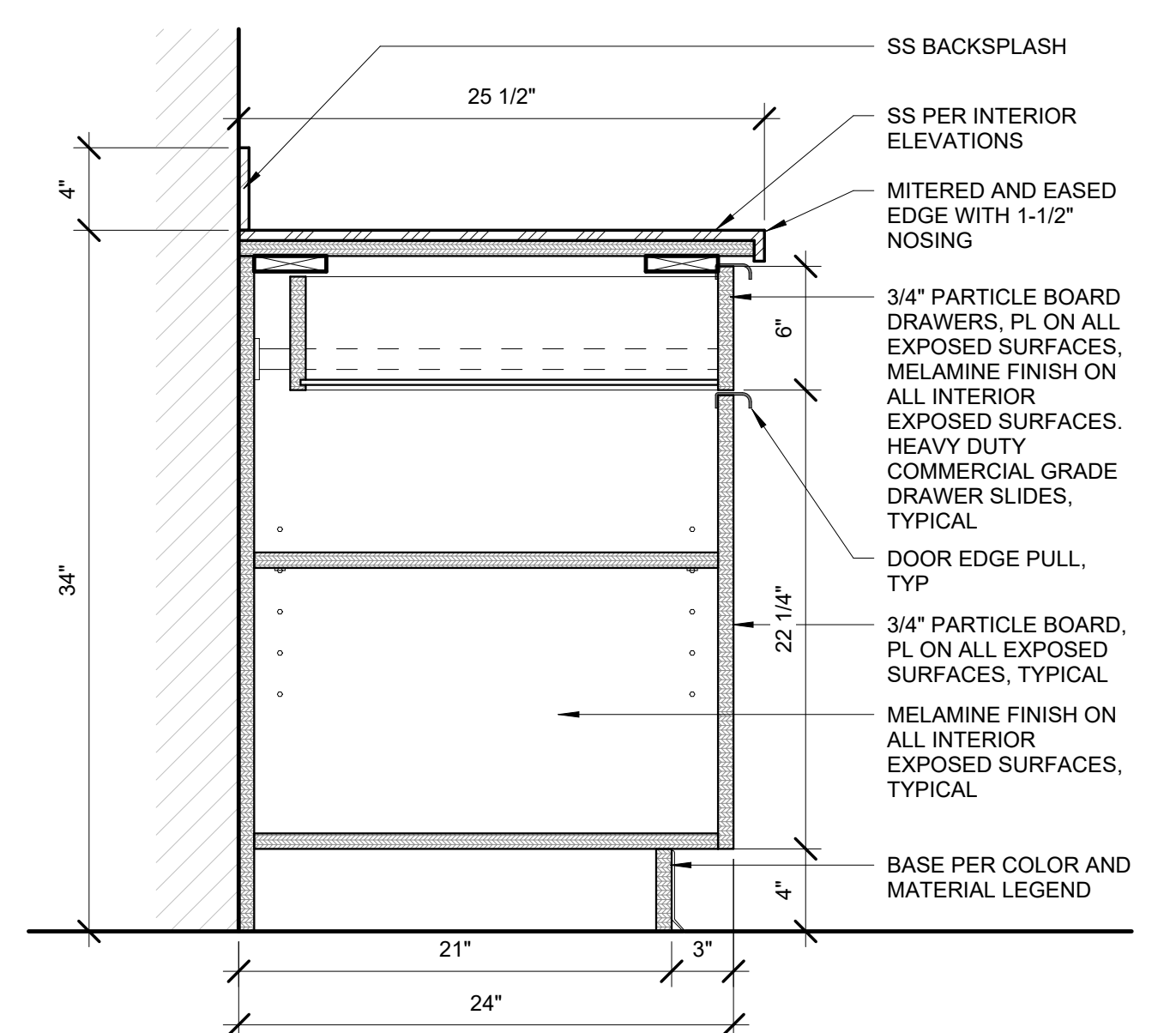
**5 CASEWORK - BREAKROOM COUNTER**  
 1 1/2" = 1'-0"



**4 CASEWORK - 3-DRAWER BASE**  
 1 1/2" = 1'-0"



**2 CASEWORK - POINT OF SALE COUNTER**  
 1 1/2" = 1'-0"



**1 CASEWORK - DRAWER/DOOR BASE**  
 1 1/2" = 1'-0"



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 ANCHORAGE, ALASKA

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#	DESCRIPTION	DATE
1	MOA REVIEW COMMENT RESPONSES	2026.03.12

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 STANDARD MOUNTING HEIGHTS AND CLEARANCES

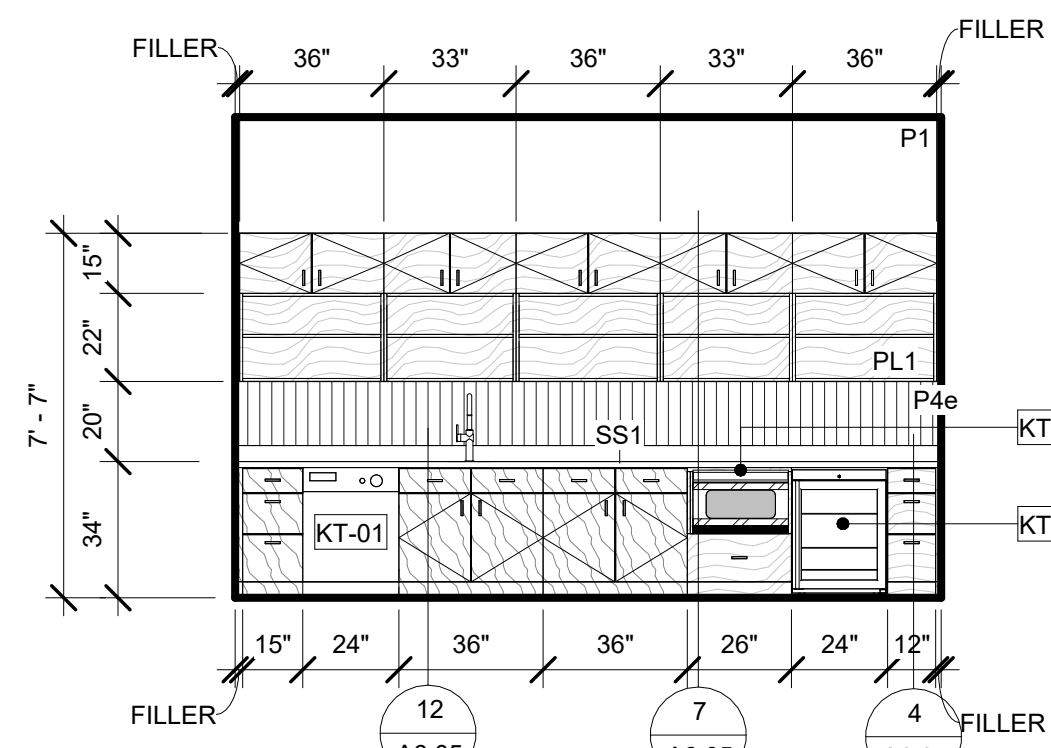
SHEET NO.

**A8.00**

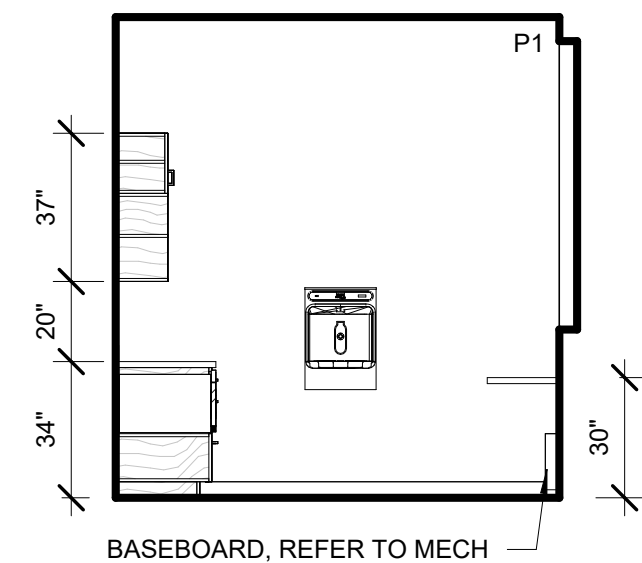
HALF SCALE WHEN PRINTED AT 11x17

**INTERIOR ELEVATIONS: GENERAL NOTES**

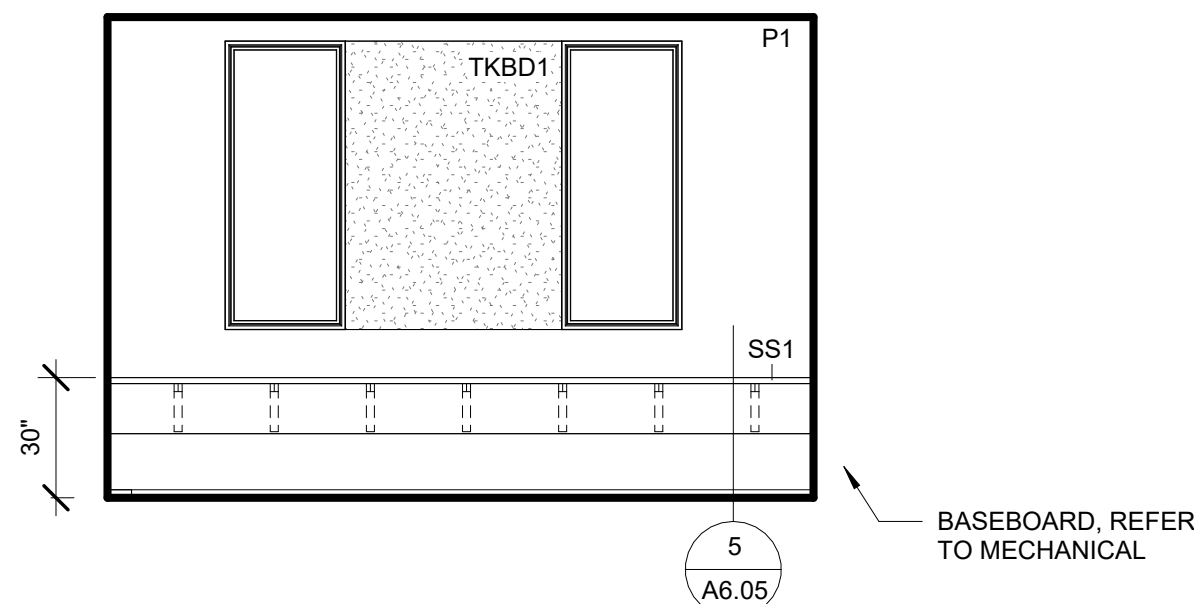
- ALL VERTICAL CASEWORK SHALL BE PL1 AND ALL HORIZONTAL WORK SURFACES SHALL BE SS1, UNLESS OTHERWISE NOTED.
- ALL BASE CABINETS SHALL BE 24" DEEP, ALL UPPER CABINETS SHALL BE 13" DEEP AND ALL COUNTERTOPS SHALL BE 25 1/2" DEEP, UNLESS OTHERWISE NOTED.
- COUNTERTOPS AND BACKSPASHES SHALL RECEIVE COLOR MATCHED SEALANT AT ALL WALL AND WALL/BACKSPASH INTERSECTIONS.
- REFER TO FINISH PLAN FOR EXTENT OF FLOORING, ACCENT PAINT, WALL COVERINGS AND CORNER GUARD LOCATIONS.
- ALL CASEWORK SHALL HAVE 1" MINIMUM FILLER PANELS TO MATCH CASEWORK AT EDGES ADJACENT TO PERPENDICULAR WALLS.
- CASEWORK DOOR/DRAWER PULL BASIS OF DESIGN IS NOTED IN THE COLOR AND MATERIAL LEGEND ON SHEET A5.10.
- CORNER GUARDS ARE NOT CALLED OUT IN THE ELEVATION. REFER TO FINISH PLANS FOR LOCATIONS AND TYPES.
- INSULATE PIPES AT ALL SINK LOCATIONS WITH EXPOSED PIPING IF SHROUD IS NOT PROVIDED.
- WHERE 34" IS NOTED, THE 34" HEIGHT SHALL BE MEASURED FROM THE FINISHED FLOOR TO THE TOP OF THE FLOOD RIM OF THE FIXTURE, TYPICAL.
- CONTRACTOR SHALL BACK CHECK APPLIANCE CUT SHEETS WITH ALL CASEWORK TO CONFIRM ADEQUATE CLEARANCE IS PROVIDED. REFRIGERATORS SHALL BE LOCATED TO ALLOW DOORS TO OPEN SO BINS CAN BE REMOVED.
- CONTRACTOR TO PROVIDE AND INSTALL BLOCKING FOR WALL MOUNTED TOILET ACCESSORIES, EQUIPMENT, SIGNAGE, ETC.
- REFER TO MECHANICAL DRAWINGS FOR ALL PLUMBING FIXTURES AND ELECTRICAL DRAWINGS FOR ALL LIGHT FIXTURES.



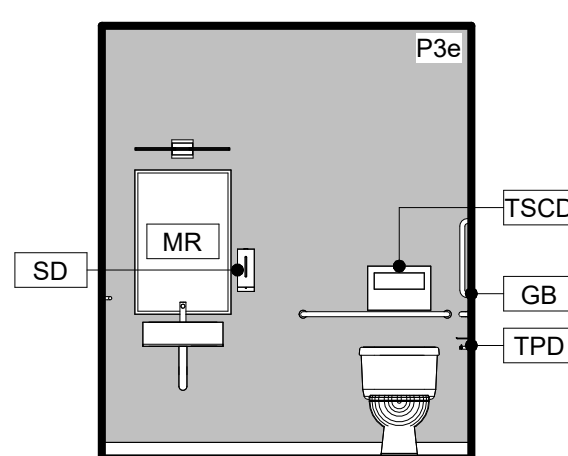
**6 BREAK ROOM - EAST**  
 1/4" = 1'-0"



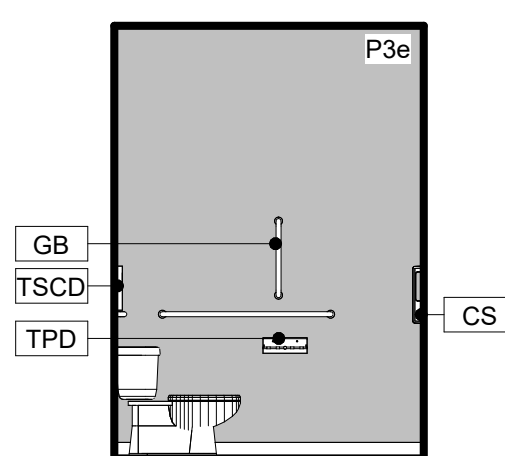
**7 BREAK ROOM - SOUTH**  
 1/4" = 1'-0"



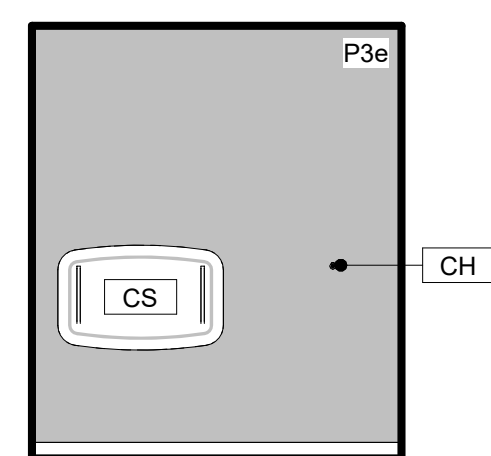
**8 BREAK ROOM - WEST**  
 1/4" = 1'-0"



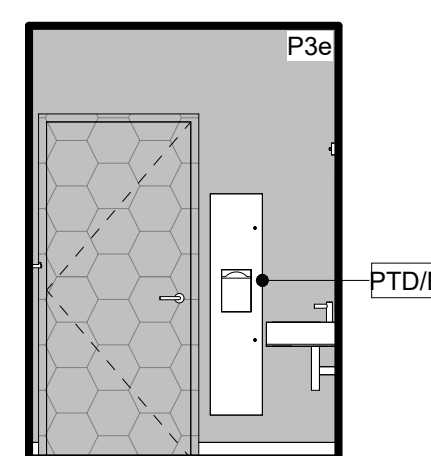
**1 TOILET 116 - WEST**  
 1/4" = 1'-0"



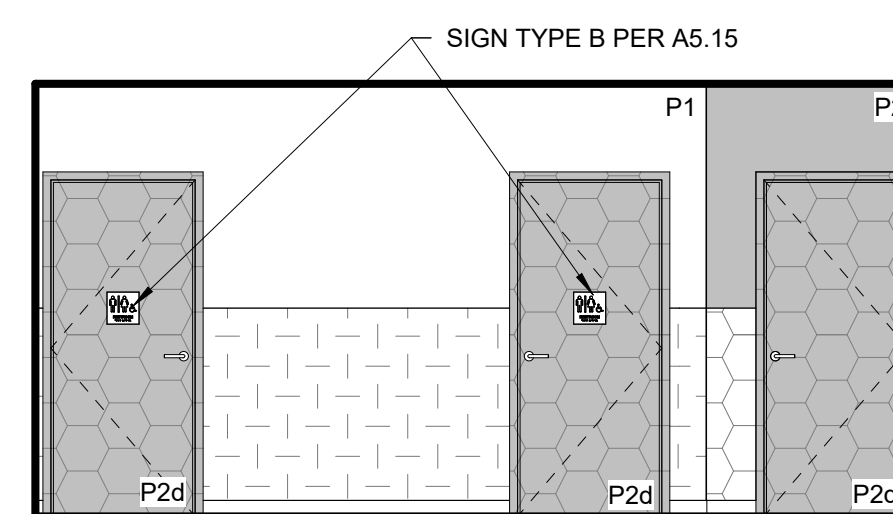
**2 TOILET 116 - NORTH**  
 1/4" = 1'-0"



**3 TOILET 116 - EAST**  
 1/4" = 1'-0"

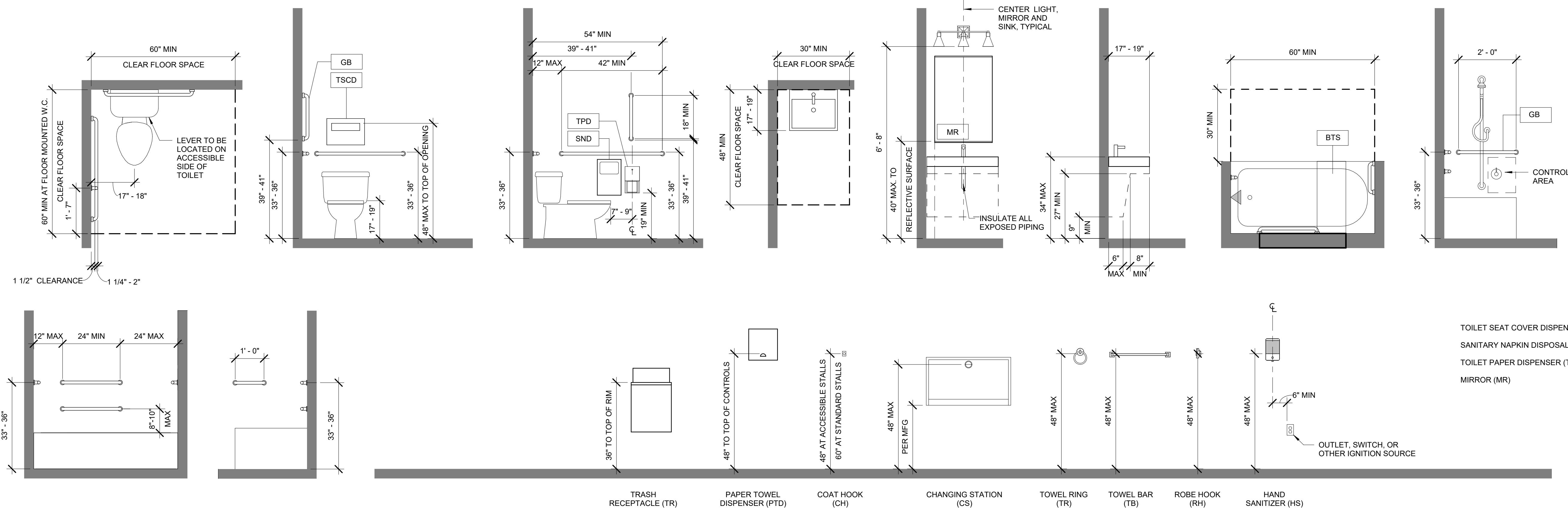


**4 TOILET 116 - SOUTH**  
 1/4" = 1'-0"



**5 HALL AT TOILETS - NORTH**  
 1/4" = 1'-0"

**FIXTURE AND ACCESSORY MOUNTING HEIGHTS**



TOILET SEAT COVER DISPENSER (TSCD)  
 SANITARY NAPKIN DISPOSAL (SND)  
 TOILET PAPER DISPENSER (TPD)  
 MIRROR (MR)

OUTLET, SWITCH, OR OTHER IGNITION SOURCE



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REVISION SCHEDULE		
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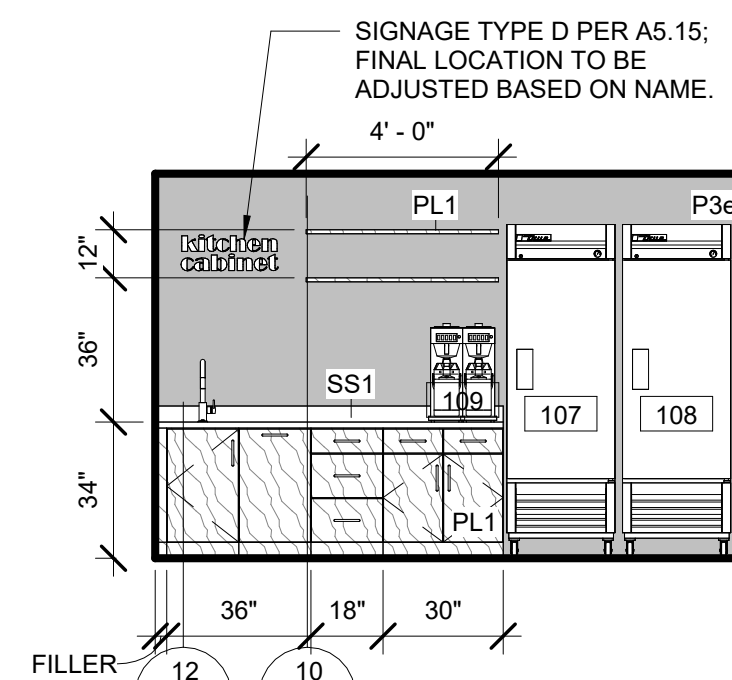
JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 INTERIOR ELEVATIONS

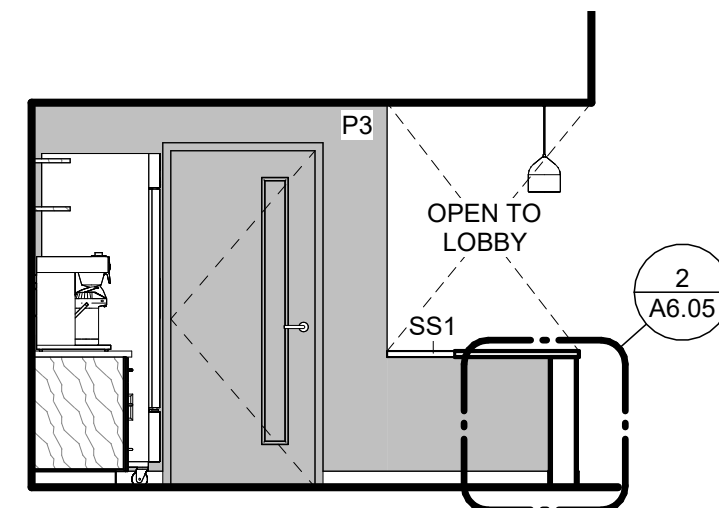
SHEET NO.  
**A8.01**



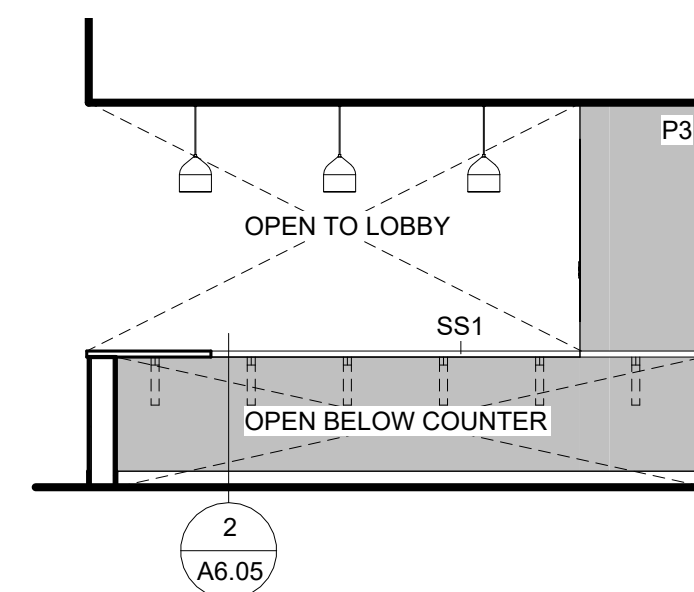
8 RECEPTION - WEST  
 1/4" = 1'-0"



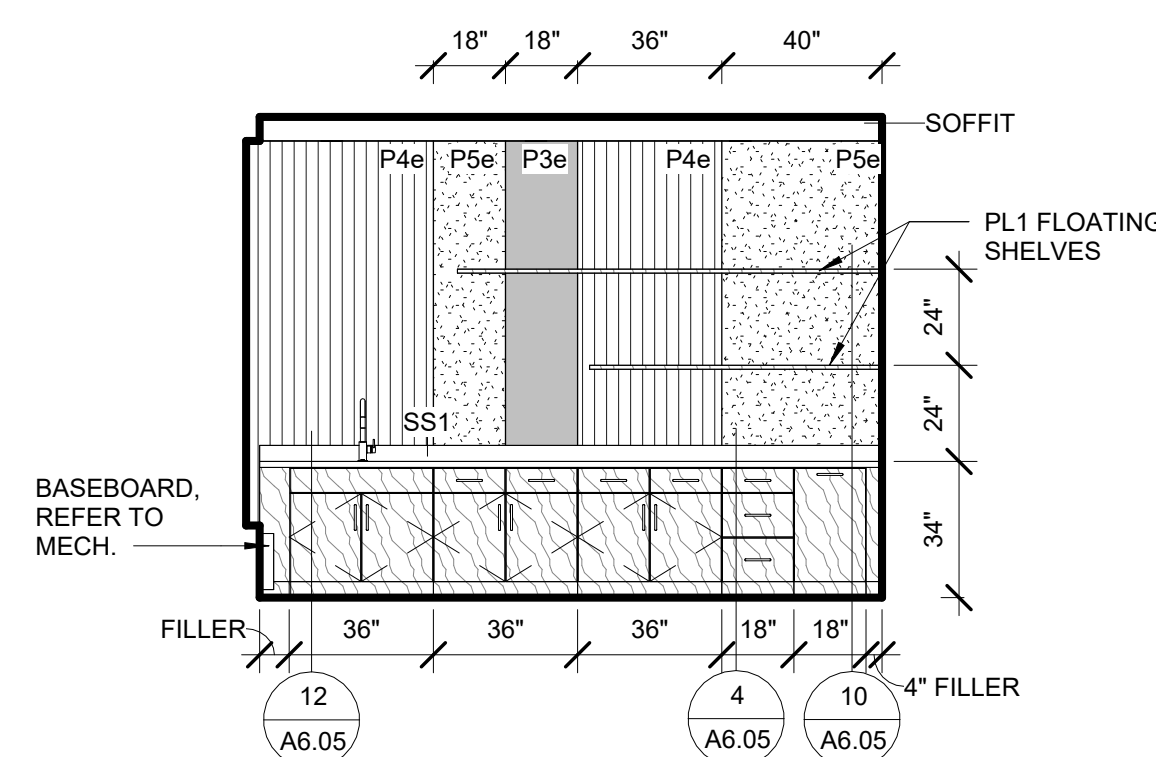
9 RECEPTION - NORTH  
 1/4" = 1'-0"



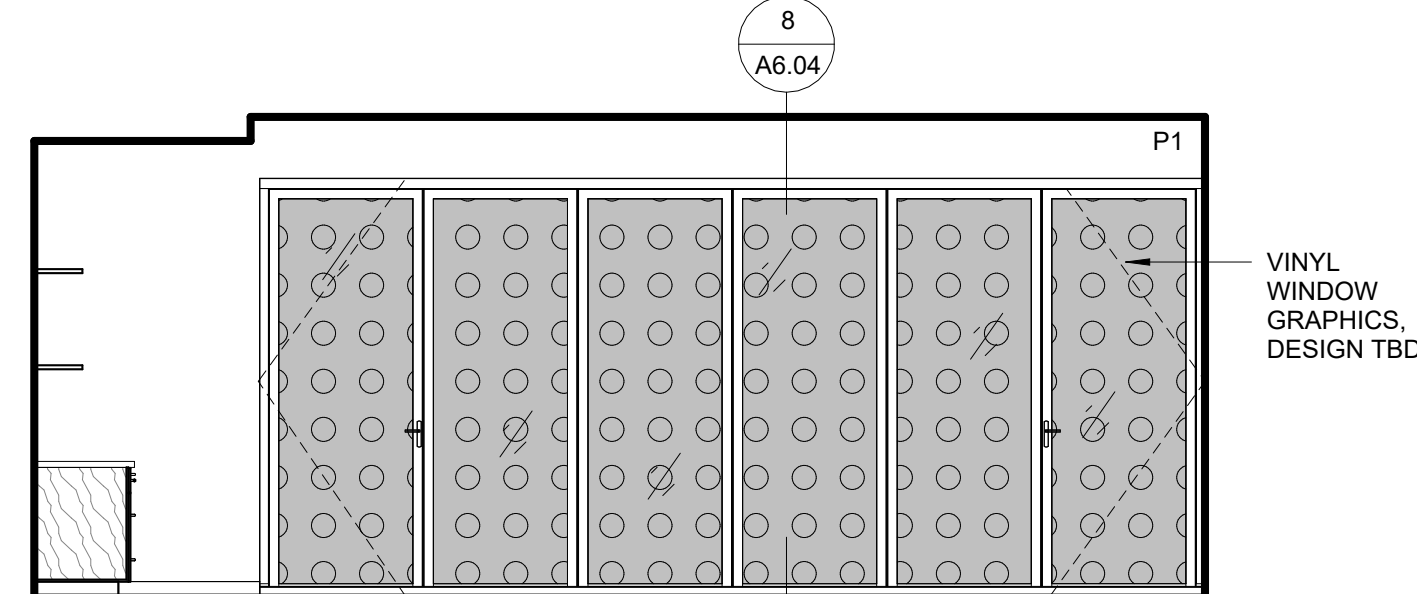
10 RECEPTION - EAST  
 1/4" = 1'-0"



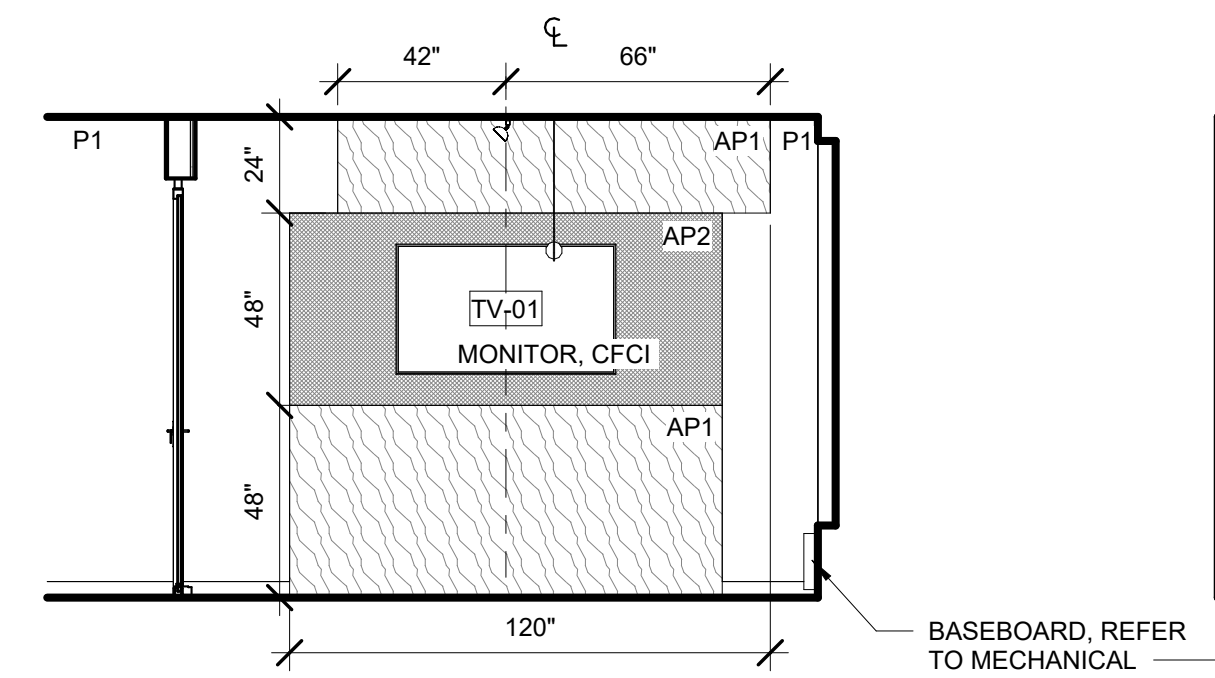
11 RECEPTION - SOUTH  
 1/4" = 1'-0"



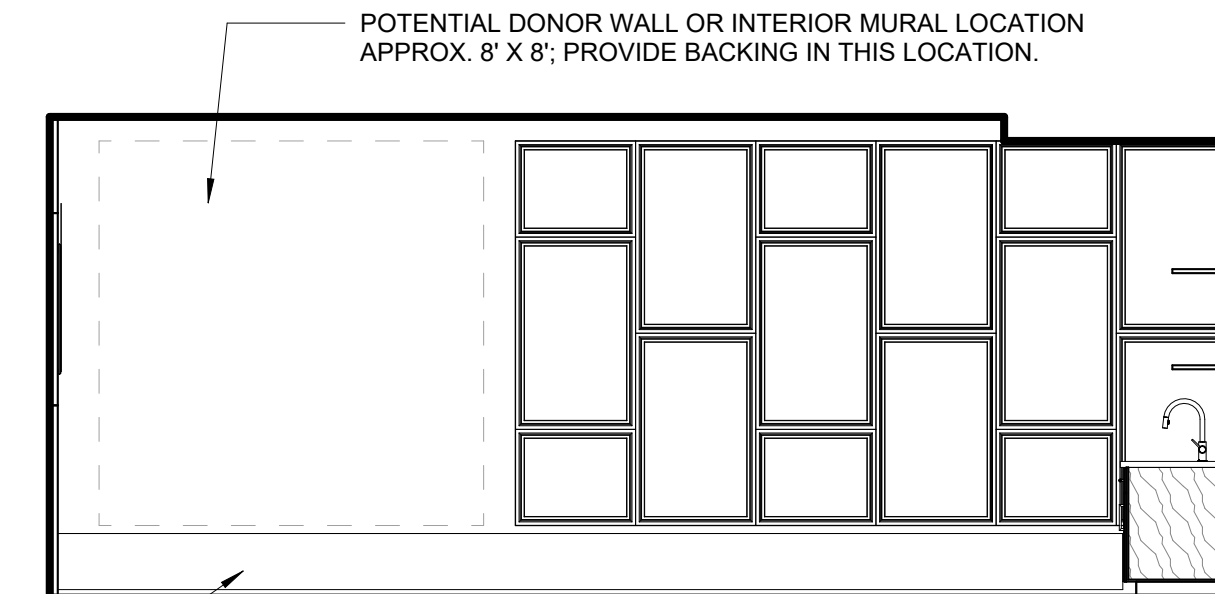
5 MEETING ROOM - WEST  
 1/4" = 1'-0"



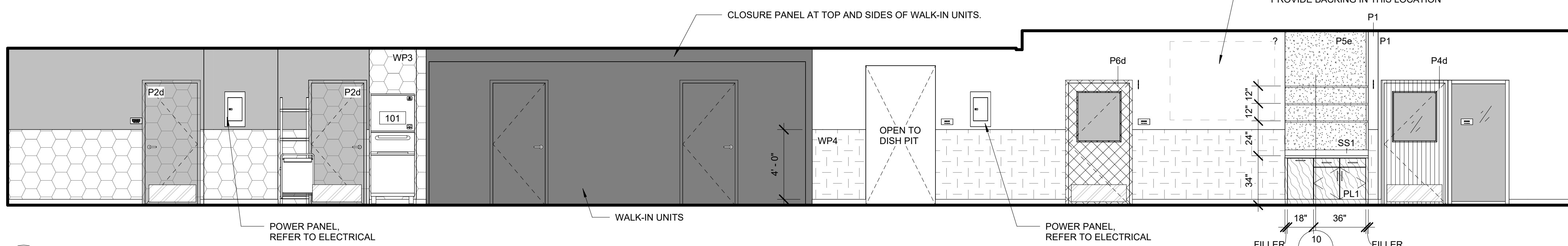
6 MEETING ROOM - NORTH  
 1/4" = 1'-0"



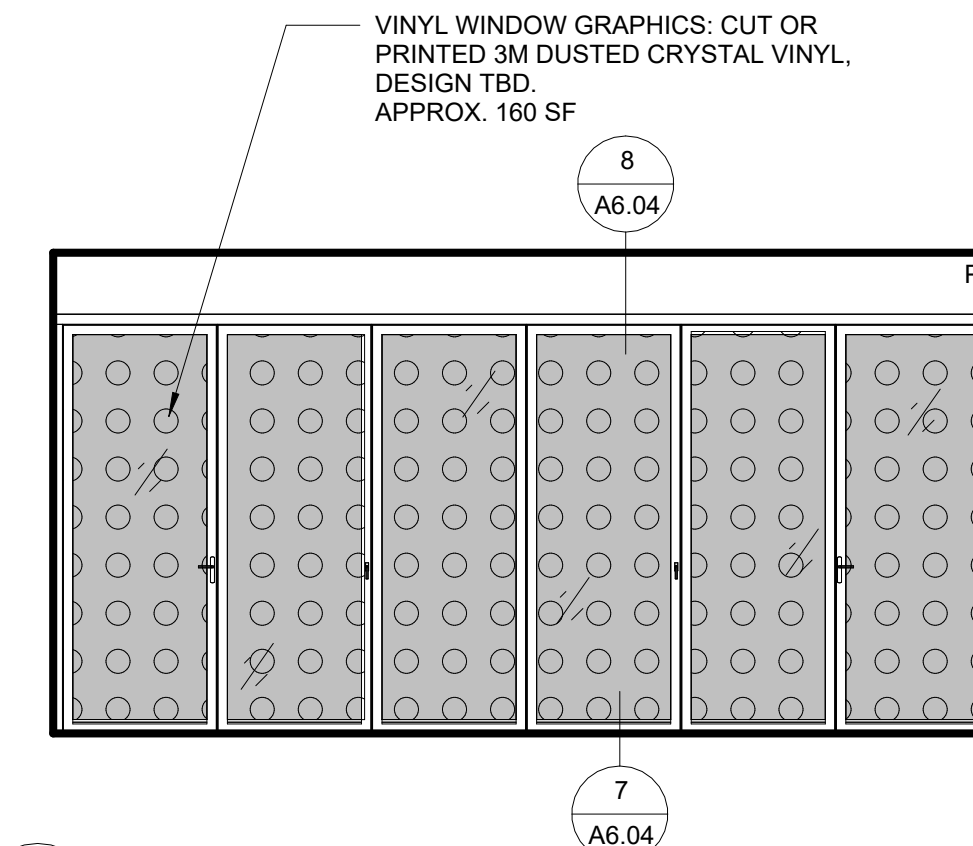
7 MEETING ROOM - EAST  
 1/4" = 1'-0"



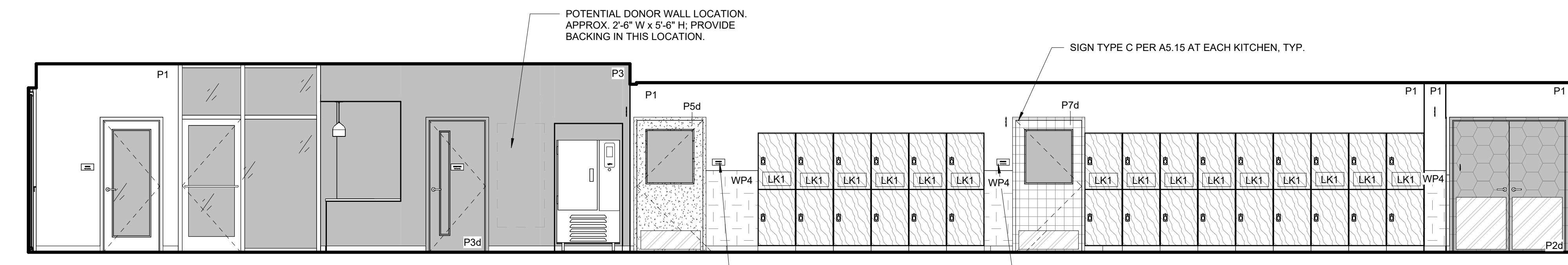
12 MEETING ROOM - SOUTH  
 1/4" = 1'-0"



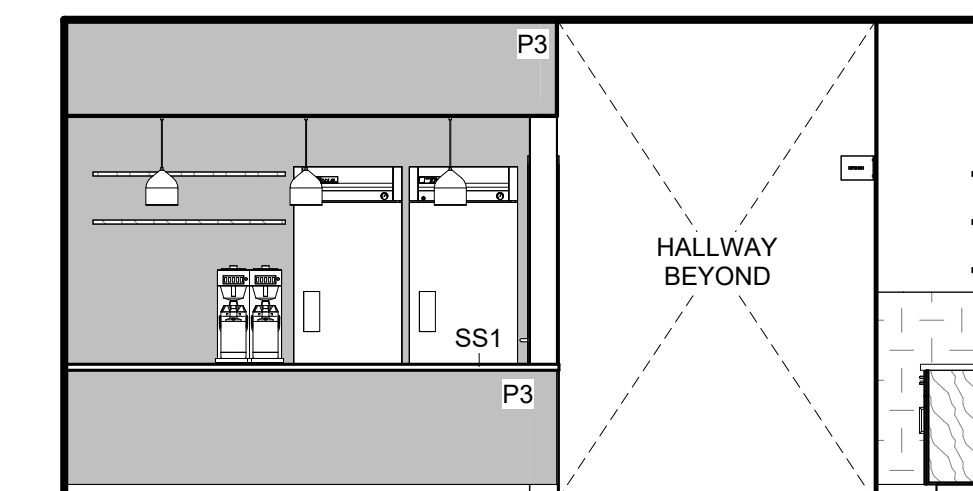
3 HALLWAY / LOBBY - EAST  
 1/4" = 1'-0"



4 LOBBY - SOUTH  
 1/4" = 1'-0"



1 LOBBY / HALLWAY / LOCKERS - WEST  
 1/4" = 1'-0"



2 LOBBY - NORTH  
 1/4" = 1'-0"



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SOUTHWEST CORNER / MT. VIEW DRIVE ELEVATION



SOUTHEAST CORNER / EAST ELEVATION

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REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 EXTERIOR CONCEPTS

SHEET NO.  
**A9.00**

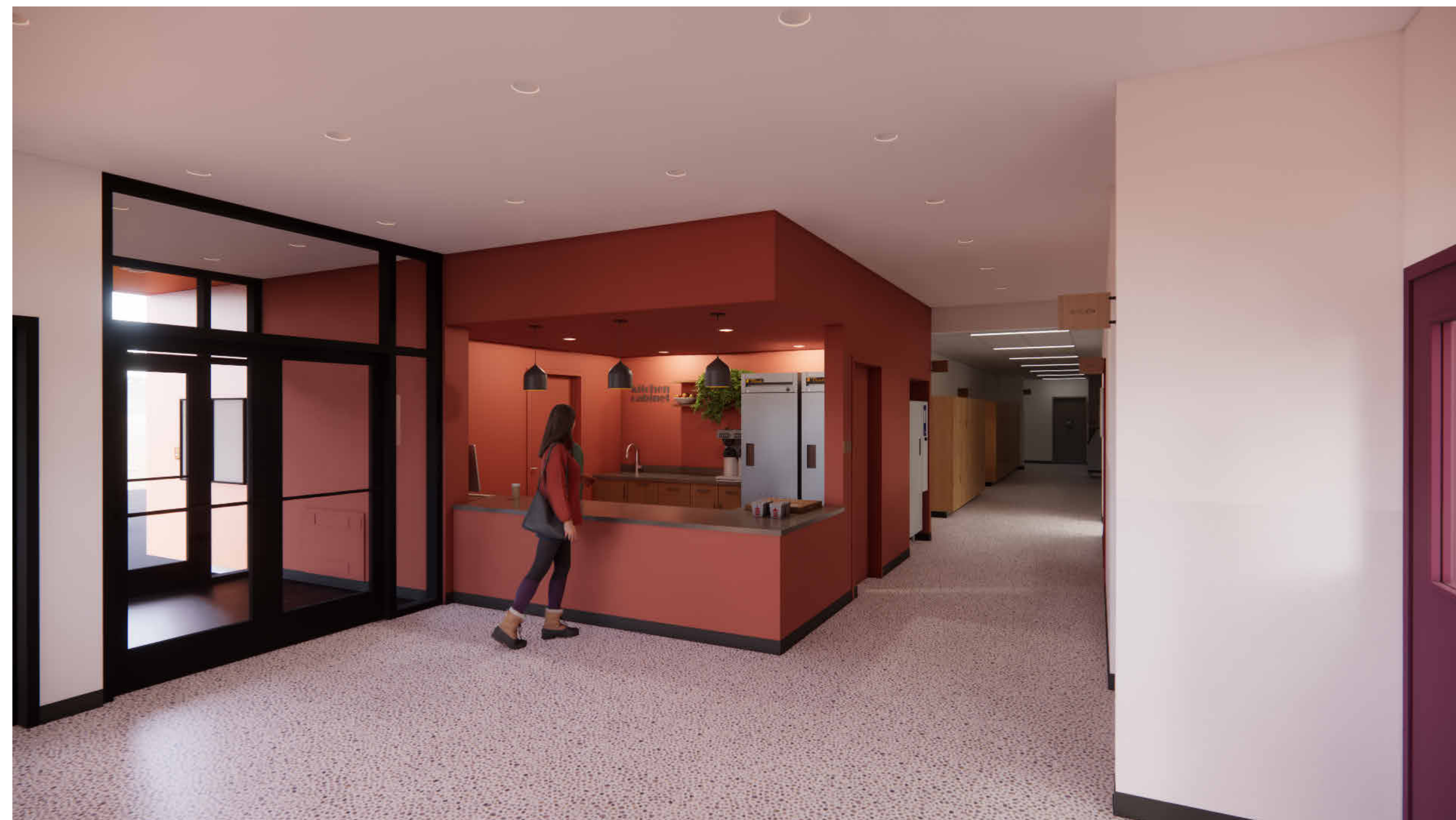
MURALS SHOWN ARE CONCEPTUAL / INSPIRATION.



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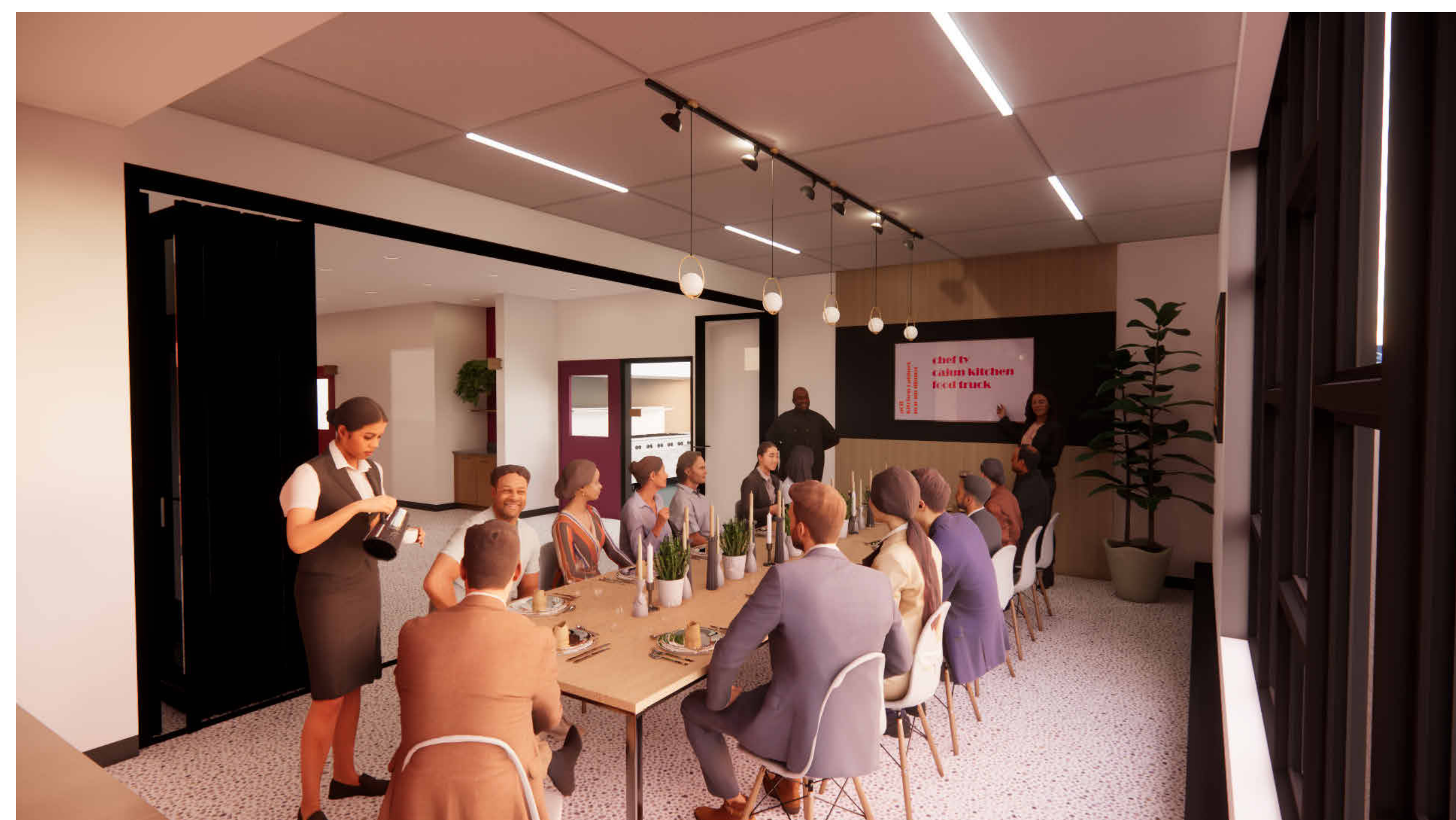
RECEPTION



BREAK ROOM



MEETING ROOM FROM SOUTHEAST CORNER WITH NANAWALL CLOSED



MEETING ROOM FROM SOUTHWEST CORNER WITH NANAWALL OPEN

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 23-002  
 DATE 2025.02.12  
 DRAWN JACS  
 REVIEWED DTW

SHEET NAME  
 INTERIOR CONCEPTS

SHEET NO.  
**A9.01**

# GENERAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

**CODE:**

INTERNATIONAL BUILDING CODE, 2018 EDITION.

**DESIGN SOIL PRESSURE:**

4000 PSF MAX DEAD + LIVE LOAD.

CAST FOOTINGS 1'-8" MINIMUM BELOW FINISHED GRADE. CAST SLAB ON GRADE OVER 6" THICK COMPACTED GRANULAR FILL OVER COMPACTED SUBGRADE. CONSULT CIVIL DRAWINGS FOR FOUNDATION AND EXCAVATION INFORMATION.

**DESIGN LOADS:**

RISK CATEGORY	=	II, TYPICAL BUILDINGS
ROOF SNOW	=	Pg = 50 PSF, Pf = 40 PSF I = 1.0, Ce = 1.0, Ct = 1.0
SNOW DRIFT	=	ASCE 7-16, CHAPTER 7
WIND	=	130 MPH 3-SECOND GUST ULTIMATE DESIGN WIND SPEED EXPOSURE B (GCp) = +/- 0.18

**COMPONENTS AND CLADDING WIND LOADS:**

PRESSURES BELOW ARE BASED ON WIND AREA OF 10 SF. PRESSURES FOR ELEMENTS WITH LARGER WIND AREA MAY BE REDUCED AS CALCULATED PER ASCE 7-16, CHAPTER 30.

ZONE 1, TYPICAL ROOF:	SUCTION= 43 PSF PRESSURE = 11 PSF
ZONE 2, WITHIN 15'-0" OF EDGE OF ROOF:	SUCTION = 56 PSF PRESSURE = 11 PSF
ZONE 3, WITHIN 15'-0" OF ROOF CORNER:	SUCTION = 77 PSF PRESSURE = 11 PSF

SEISMIC	=	Ss = 1.5, S1 = 0.68, I = 1.0 SOIL SITE CLASS D Sds = 1.0, Sd1 = 0.68, SEISMIC DESIGN CATEGORY D BASIC SEISMIC FORCE RESISTING SYSTEM: PLYWOOD-SHEATHED LIGHT FRAMED SHEAR/BEARING WALLS DESIGN BASE SHEAR = 30.8K Cs = 0.154, R = 6.5 OMEGA = 2.5, EQUIVALENT LATERAL FORCE ANALYSIS
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**REINFORCED CONCRETE:**

ALL CONCRETE - fc = 4,000 PSI, MAXIMUM W/C = 0.50, EXCEPT WHERE SUBJECT TO FREEZE-THAW CYCLES - fc = 4,500 PSI, MAXIMUM W/C = 0.45, AIR ENTRAINMENT 4% +/- 1.5%. SUBMIT MIX DESIGN. SEE SPECIFICATIONS FOR ADMIXTURES. SPECIAL INSPECTION REQUIRED.

UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. PROVIDE CLASS B SPLICE. SUBMIT REINFORCING STEEL SHOP DRAWINGS WITH DETAILS PER ACI 315 MANUAL OF STANDARD PRACTICE.

ASTM A706, GRADE 60, REINFORCING STEEL SHALL BE USED FOR WELDED OR FIELD-BENT BARS.

CONCRETE COVER:

FOOTINGS 3". SLABS ON GRADE 1 1/2".

FOOTINGS:

PROVIDE 2-#5 LONGITUDINAL BOTTOM BARS IN WALL FOOTINGS. PROVIDE CORNER BARS OF SAME SIZE AND NUMBER AT CORNERS AND INTERSECTIONS, 48 DIA. EACH LEG.

SLABS ON GRADE:

RIGIDLY SUPPORT BARS WITH CONCRETE BLOCKS OR APPROVED ACCESSORIES.

PROVIDE SLAB REINFORCING AS FOLLOWS: 4" SLAB ON GRADE, #3 @ 15" EACH WAY, 1 1/2" FROM TOP.

SLABS ON GRADE ARE STRUCTURAL DIAPHRAGMS AND ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.

DRILL-IN EXPANSION ANCHORS:

\*POWER-STUD+ SD2" BY DEWALT OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

DRILL-IN ADHESIVE ANCHORS:

\*PURE110+\* ADHESIVE BY DEWALT OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

CONCRETE SCREW ANCHORS:

\*SCREW-BOLT+\* BY DEWALT OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC LOAD RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

**GLUED-LAMINATED TIMBER:**

BEAMS AND GIRDERS - DOUGLAS FIR SPECIES, COMBINATION 24F-V4 FOR SIMPLE SPANS AND COMBINATION 24F-V8 FOR CONTINUOUS AND CANTILEVER SPANS, Fb = 2,400 PSI. COLUMNS - DOUGLAS FIR SPECIES, COMBINATION 3, Fc = 1,900 PSI FOR 2 OR 3 LAMINATIONS, Fc = 2,300 PSI FOR 4 OR MORE LAMINATIONS.

FABRICATE PER ANSI/AITC A190.1. PROVIDE WET-USE ADHESIVES. MOISTURE CONTENT - 24 PERCENT MAXIMUM. APPEARANCE - CONSTRUCTION GRADE EXCEPT ARCHITECTURAL GRADE WHERE EXPOSED TO VIEW. SUBMIT SHOP DRAWINGS. USE MILD STEEL PLATE WASHERS AT ALL BOLT HEADS AND NUTS BEARING ON WOOD. TREAT WOOD BEARING ON OR WITHIN 1" OF MASONRY OR CONCRETE WITH PRESERVATIVE.

**STRUCTURAL SAWN LUMBER:**

LUMBER VISUALLY GRADED AND STAMPED PER WWSA STANDARD GRADING RULES. MOISTURE CONTENT OF LUMBER 2" OR LESS IN THICKNESS - 19 PERCENT MAXIMUM.

STRUCTURAL LIGHT FRAMING & JOISTS (2" - 4" NOMINAL) - HEM-FIR SPECIES, NO. 2 GRADE OR BETTER, Fb = 850 PSI (978 PSI REPETITIVE).

BEAMS AND STRINGERS (5" X 5" AND LARGER) - DOUGLAS FIR SPECIES, NO. 1 GRADE OR BETTER, Fb = 1,350 PSI.

POSTS AND TIMBERS (5" X 5" AND LARGER) - DOUGLAS FIR SPECIES, NO. 1 GRADE OR BETTER, Fc = 1,000 PSI.

MINIMUM NAILING FOR CONNECTION OF VARIOUS COMPONENTS PER TABLE 2304.10.1 OF THE IBC. TREAT WOOD BEARING ON OR WITHIN 1" OF MASONRY OR CONCRETE WITH PRESERVATIVE. USE MILD STEEL PLATE WASHERS AT ALL BOLT HEADS AND NUTS BEARING ON WOOD. ATTACH FOUNDATION PLATES AND SILLS TO CONCRETE AND MASONRY WITH GALVANIZED A307 BOLTS. USE COMMON NAILS ONLY. USE HOT-DIPPED GALVANIZED FASTENERS IN ALL PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD. USE GALVANIZED FRAMING HARDWARE MANUFACTURED BY SIMPSON COMPANY OR APPROVED EQUAL. ICC-ES CERTIFICATION REQUIRED.

MINIMUM NAIL SIZES - 8d COMMON - 0.131" DIA X 2 1/2"  
10d COMMON - 0.148" DIA X 3"  
16d COMMON - 0.162" DIA X 3 1/2"

**SHEATHING:**

SHEATHING GRADE - CD EXPOSURE 1 WITH EXTERIOR GLUE LAID FACE GRAIN PERPENDICULAR TO SUPPORT. SHEATHING MAY BE PLYWOOD OR ORIENTED STRAND BOARD.

ROOF SHEATHING - 5/8" THICK, 42/20 SPAN RATING.  
WALL SHEATHING - 7/16" THICK, 32/16 SPAN RATING.

PROVIDE 2x4 BLOCKING AT ALL UNSUPPORTED WALL PANEL EDGES. GLUE FLOOR SHEATHING TO ALL SUPPORTS WITH ADHESIVE COMPLYING WITH APA AFG-01, AT A 50 PERCENT SKIP PATTERN AND A 3/16" DIA. BEAD MINIMUM.

MINIMUM NAILING AT ALL PANEL EDGES AND AT ALL STUDS WITH HOLDDOWNS IS AS FOLLOWS:

ROOF SHEATHING - 10d @ 6" MAX OC.  
WALL SHEATHING - 8d @ 6" MAX OC.

SEE SHEAR WALL SCHEDULE FOR OTHER NAILING REQUIREMENTS, SILL ATTACHMENTS, AND OTHER DETAILS.

MINIMUM NAILING AT ALL PANEL INTERMEDIATE SUPPORTS OTHER THAN STUDS WITH HOLDDOWNS IS AS FOLLOWS:

ROOF SHEATHING - 10d @ 12" MAX OC.  
WALL SHEATHING - 8d @ 12" MAX OC.

**STRUCTURAL COMPOSITE LUMBER:**

LAMINATED VENEER LUMBER (LVL):

COMPOSITE LUMBER MADE FROM WOOD VENEERS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND MONITORED IN ACCORDANCE WITH ASTM D5456, AND MANUFACTURED WITH EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D2559. FACTORY SEAL FACE EDGE AND ENDS WITH MANUFACTURER'S STANDARD WATER-RESISTANT COATING.

BEAMS: BOISE CASCADE VERSA-LAM 2.1E 2800 OR APPROVED EQUAL, Fb = 2,800 PSI MINIMUM.  
COLUMNS: BOISE CASCADE VERSA-LAM 1.8E 2650 OR APPROVED EQUAL, Fc = 3,000 PSI MINIMUM.

PARALLEL STRAND LUMBER (PSL):

COMPOSITE LUMBER MADE FROM WOOD STRAND ELEMENTS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND MONITORED IN ACCORDANCE WITH ASTM D5456, AND MANUFACTURED WITH EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D2559. FACTORY SEAL FACE EDGE AND ENDS WITH MANUFACTURER'S STANDARD WATER-RESISTANT COATING.

WEYERHAEUSER 2.0E PARALLAM OR APPROVED EQUAL  
Fb = 2,900 PSI MINIMUM, Fc = 2,900 PSI MINIMUM.

LAMINATED STRAND LUMBER (LSL):

COMPOSITE LUMBER MADE FROM WOOD FLAKE STRANDS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND MONITORED IN ACCORDANCE WITH ASTM D5456, AND MANUFACTURED WITH EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D2559. FACTORY SEAL FACE EDGE AND ENDS WITH MANUFACTURER'S STANDARD WATER-RESISTANT COATING.

WEYERHAEUSER 1.55E TIMBERSTRAND OR APPROVED EQUAL  
Fb = 2,325 PSI MINIMUM, Fc = 2,170 PSI MINIMUM.

**PREFABRICATED TIMBER JOISTS:**

JOISTS DESIGNED AND MANUFACTURED BY REDBUILT LLC OR APPROVED EQUAL. ICC-ES CERTIFICATION REQUIRED.

JOIST DESIGNATIONS ARE PER REBUILT STANDARDS AND CHORD SIZES INDICATED ON PLANS ARE MINIMUM ONLY. ROOF DESIGN DEAD LOAD - 15 PSF MINIMUM. FLOOR DESIGN DEAD LOAD - 15 PSF MINIMUM. ROOF DESIGN WIND UPLIFT PER WIND LOAD SECTION ABOVE. JOIST SUPPLIER MAY EMPLOY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALASKA TO MODIFY SIZES AND USE REDUCED WIND PRESSURES PER ASCE 7-16. DESIGN JOISTS FOR SUPPORT OF DEAD, LIVE, SNOW DRIFT AND WIND LOADS AND MECHANICAL EQUIPMENT, PIPING, PARTITIONS, ETC AS REQUIRED. COORDINATE WEIGHTS, LOCATIONS AND SUPPORT DETAILS. SUBMIT SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALASKA AND DESIGN CALCULATIONS. PROVIDE STANDARD JOIST CAMBER. PROVIDE BRIDGING AND ERECTION BRACING PER MANUFACTURER'S INSTRUCTIONS.

**DEFERRED SUBMITTALS:**

THE DESIGN OF THE FOLLOWING ELEMENTS SHALL BE DEFERRED SUBMITTALS AND SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO SUBMITAL TO THE LOCAL BUILDING DEPARTMENT:

WOOD I-JOISTS  
SITE-BUILT WALK-IN FREEZER/COOLER

EACH SUBMITTAL SHALL INCLUDE DRAWINGS STAMPED BY A DESIGN PROFESSIONAL LICENSED IN THE STATE OF ALASKA AND SUPPORTING CALCULATIONS. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OTHER DEFERRED SUBMITTALS.

**SPECIAL INSPECTION:**

VERIFICATION AND INSPECTION OF DRILLED ANCHORS:

IN ACCORDANCE WITH THE ADHESIVE ANCHOR MANUFACTURER'S ICC EVALUATION SERVICE REPORT.

VERIFICATION AND INSPECTION OF WOOD CONSTRUCTION:

INSPECTION TASKS OF WOOD STRUCTURAL ELEMENTS AS PART OF THE MAIN FORCE RESISTING SYSTEM; IBC: 1705.12.1 & 1705.13.2. SPECIAL INSPECTION IS ONLY REQUIRED FOR SHEAR WALLS WITH PANEL EDGE NAILING OF 4" OC OR LESS (TYPE B AND C SHEAR WALLS - SEE SCHEDULE):

1. NAILING: PERIODIC
2. BOLTING: PERIODIC
3. ANCHORING: PERIODIC
4. COLLECTOR STRAPS TO TYPE B AND C SHEAR WALLS (GRID C ONLY): PERIODIC.

**MISCELLANEOUS:**

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

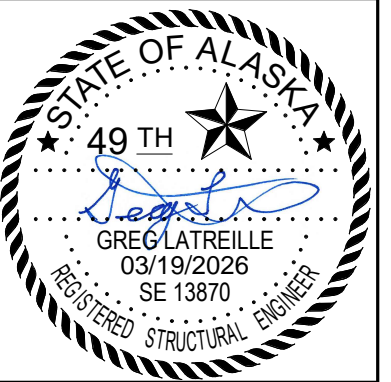
REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN.

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCT OPENINGS, PIPING, CONDUITS, ETC, NOT SHOWN.

SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED PRIOR TO FABRICATION.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN THESE GENERAL NOTES.



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Corporate Authorization No. C725

ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVISIONS	2026.02.26

JOB NO.	224087
DATE	2025.02.12
DRAWN	CMS
REVIEWED	GOL

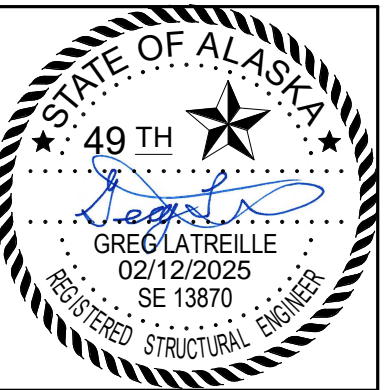
SHEET NAME  
GENERAL NOTES

SHEET NO.  
**S0.01**

Autodesk Docs://ACLKitchen Cabinet/224087 STRUCT ACLT KITCHEN R24.rvt

## TYPICAL ABBREVIATIONS

(A)	ABOVE	FD	FLOOR DRAIN	P/C	PRECAST
AB	ANCHOR BOLT	FDN	FOUNDATION	PCWT	PLATE-CONNECTED WOOD TRUSS
ACI	AMERICAN CONCRETE INSTITUTE	FIN	FINISH, FINISHED	PEMB	PRE-ENGINEERED METAL BUILDING
ADDL	ADDITIONAL	FF	FINISHED FLOOR	PERP	PERPENDICULAR
ADJ	ADJACENT	FLG	FLANGE	PJ	PANEL JOINT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FLR	FLOOR	PL	PLATE (STEEL OR WOOD)
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FOS	FACE OF STUDS	PLCS	PLACES
AISI	AMERICAN IRON AND STEEL INSTITUTE	FRP	FIRE RESISTANT TREATED PLYWOOD	PLWD	PLYWOOD
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	FRT	FIRE RESISTANT TREATED (LUMBER)	PP	PARTIAL PENETRATION
ALT	ALTERNATE	FS	FINISH SLAB ELEVATION, FAR SIDE	PSF	POUNDS PER SQUARE FOOT
ALUM	ALUMINUM	FT OR'	FOOT, FEET	PSI	POUNDS PER SQUARE INCH
ARCH	ARCHITECT, ARCHITECTURAL	FTG	FOOTING	PSL	PARALLEL STRAND LUMBER
@	AT	FV	FIELD VERIFY	PT	PRESSURE TREATED
APPROX	APPROXIMATELY	GA	GAUGE, GAGE	P/T	POST TENSION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GALV	GALVANIZED	PVC	POLYVINYL CHLORIDE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL	GEN	GENERAL	R	RADIUS
AWS	AMERICAN WELDING SOCIETY	GL	GLUE LAMINATED	RD	ROOF DRAIN, ROUND
&	AND	GWB	GYP SUM WALL BOARD	REF	REFERENCE
		GYP	GYP SUM	REINF	REINFORCING, REINFORCEMENT, REINFORCED
(B)	BELOW	HDG	HOT DIPPED GALVANIZED	REQD	REQUIRED
BD	BOARD	HORIZ	HORIZONTAL	RO	ROUGH OPENING
BLDG	BUILDING	HP	HP STEEL SHAPE	RS	RING SHANK
BLK	BLOCK	HSB	HIGH STRENGTH BOLT	S	AMERICAN STANDARD STEEL SHAPE, SOUTH
BLKG	BLOCKING	HSS	HOLLOW STRUCTURAL SECTION	SCHED	SCHEDULE
BOD	BOTTOM OF DECK ELEVATION	HT	HEIGHT	SEC	SECTION
BM	BEAM	IBC	INTERNATIONAL BUILDING CODE	SHT	SHEET
BOT	BOTTOM	ID	INSIDE DIAMETER	SHTG	SHEETING
BRG	BEARING	IF	INSIDE FACE	SHTHG	SHEATHING
BRK	BRICK	IMP	INSULATED METAL PANEL	SIM	SIMILAR
BSMT	BASEMENT	IN OR #	INCH	SIP	STRUCTURAL INSULATED PANEL
BTWN	BETWEEN	INCL	INCLUDE	SLBB	SHORT LEGS BACK TO BACK
		INSUL	INSULATION, INSULATED, INSULATE	SMS	SHEET METAL SCREWS
C	AMERICAN CHANNELS	INT	INTERIOR	SOG	CONCRETE SLAB ON GRADE
CG	CENTER OF GRAVITY	INT	INTERIOR	SPA	SPACE, SPACING, SPACES
CJ	CONSTRUCTION JOINT	JT	JOINT	SPEC	SPECIFICATION
CIP	CAST-IN-PLACE	JST	JOIST	SQ	SQUARE
CL	CENTER LINE	K	KIP, KIPS	SS	STAINLESS STEEL
CJP	COMPLETE JOINT PENETRATION	KSI	KIPS PER SQUARE INCH	SSL	SHORT SLOTTED HOLES
CLR	CLEAR	LB OR #	POUND	ST	STRUCTURAL T FROM S SERIES SECTION
CMP	CORRUGATED METAL PIPE	LLBB	LONG LEG BACK TO BACK	STD	STANDARD
CMU	CONCRETE MASONRY UNIT	LLH	LONG LEGS HORIZONTAL	STIFF	STIFFENER
CO	CLEANOUT, CONCRETE OPENING	LLV	LONG LEGS VERTICAL	STL	STEEL
COL	COLUMN	LONGIT	LONGITUDINAL	STRUCT	STRUCTURAL
CONC	CONCRETE	LSL	LONG SLOTTED HOLES	SUPT	SUPPORT
CONN	CONNECTION	LT	LIGHT	SUSP	SUSPENDED
CONSTR	CONSTRUCTION	LT WT	LIGHT WEIGHT	SYMM	SYMMETRICAL
CONT	CONTINUOUS	L	ANGLE	T	TOP
CONTR	CONTRACTOR	LVF	LOW VELOCITY FASTENERS	T&G	TONGUE AND GROOVE
CSA	CONCRETE SCREW ANCHOR	LVL	LAMINATED VENEER LUMBER	TEMP	TEMPERATURE, TEMPORARY
CTJ	CONTROL JOINT, CONTRACTION JOINT	M	MISCELLANEOUS SHAPE	THK	THICK
CTR	CENTER	MATL	MATERIAL	THRU	THROUGH
CU	CUBIC	MAX	MAXIMUM	TOB	TOP OF BEAM ELEVATION
		MC	MISCELLANEOUS CHANNEL SECTION	TOC	TOP OF CONCRETE ELEVATION,
DBL	DOUBLE	MECH	MECHANICAL	TOF	TOP OF CMU ELEVATION
DEPT	DEPARTMENT	MFR	MANUFACTURER	TOS	TOP OF FOOTING ELEVATION
DET	DETAIL	MFRG	MANUFACTURING	TOSH	TOP OF STEEL ELEVATION
DIA, Ø	DIAMETER	MIN	MINIMUM	TOW	TOP OF SHEATHING ELEVATION
DIAA	DRILLED-IN ADHESIVE ANCHOR	MISC	MISCELLANEOUS	TP	TOP OF WALL ELEVATION
DIAB	DRILLED-IN ADHESIVE BOLT	MT	STRUCTURAL TEE FROM M SERIES SECTION	TRANS	TOP OF PAVEMENT
DIAG	DIAGONAL	MTL	METAL	TS	TRANSVERSE
DIAPH	DIAPHRAGM	N	NORTH	TS	STRUCTURAL TUBE
DIEB	DRILLED-IN EXPANSION BOLT	NDT	NON-DESTRUCTIVE TESTING	TYP	TYPICAL
DIM	DIMENSION	NF	NEAR FACE	UL	UNDERWRITERS LABORATORY
DN	DOWN	NIC	NOT IN CONTRACT	UON	UNLESS OTHERWISE NOTED
do	DITTO	No OR #	NUMBER	UT	ULTRASONIC TEST
DP	DEEP	NOM	NOMINAL	VERT	VERTICAL
DWG	DRAWING	NS	NEAR SIDE	W	WEST, W SERIES SECTION
DWL	DOWEL	NSG	NON-SHRINK GROUT	W/	WITH
		NTS	NOT TO SCALE	W/O	WITHOUT
E	EAST	OC	ON CENTER	WD	WOOD
EA	EACH	OD	OUTSIDE DIAMETER	WHS	WELDED HEADED STUD
EF	EACH FACE	OF	OUTSIDE FACE	WTS	WELDED THREADED STUD
EL	ELEVATION (HEIGHT)	OPNG	OPENING	WP	WORK POINT
ELEC	ELECTRICAL	OPP	OPPOSITE	WT	WEIGHT, STRUCTURAL TEE FROM W SERIES SECTION
ELEV	ELEVATOR	OSB	ORIENTED STRAND BOARD	WWF	WELDED WIRE FABRIC
ENGR	ENGINEER	OVS	OVERSIZED	YD	YARD
EOD	EDGE OF DECK				
EQ	EQUAL				
EQUIP	EQUIPMENT				
ES	EACH SIDE				
EW	EACH WAY				
EXIST, (E)	EXISTING				
EXP	EXPANSION				
EXT	EXTERIOR				



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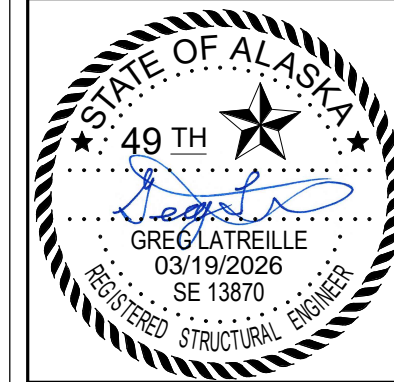
**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 224087  
 DATE 2025.02.12  
 DRAWN CMS  
 REVIEWED GOL

SHEET NAME  
 ABBREVIATIONS

SHEET NO.  
**S0.02**



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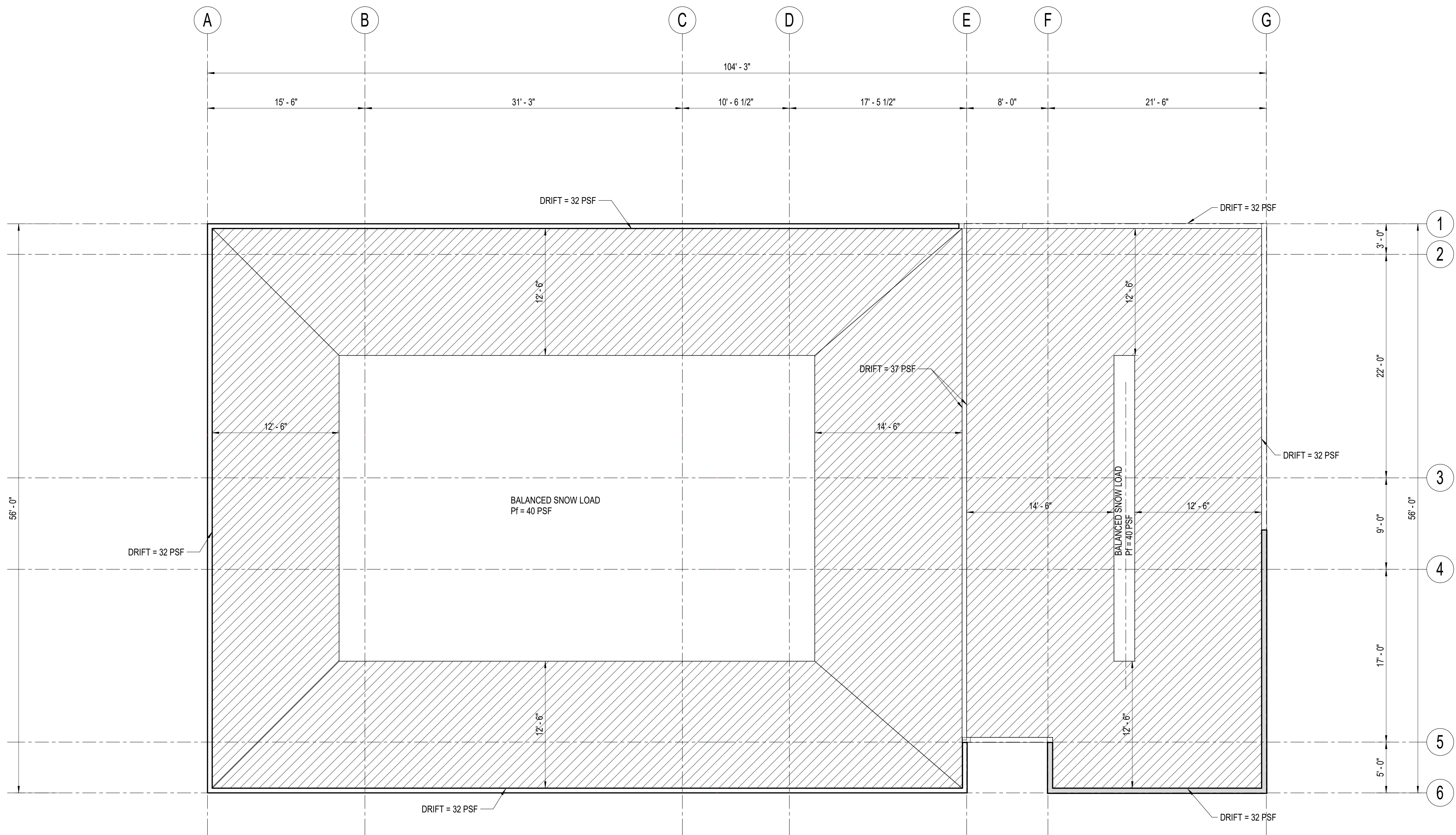
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REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVISIONS	2020.02.26

JOB NO. 224087  
 DATE 2025.02.12  
 DRAWN Author  
 REVIEWED GOL

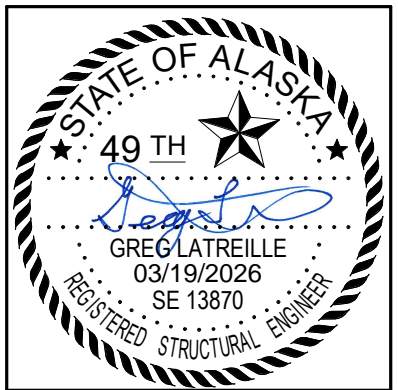
SHEET NAME  
 SNOW LOAD MAP

SHEET NO.  
**S0.03**



- SNOW LOAD MAP NOTES:**
- DRIFT LOADS ARE MAXIMUM AT PARAPET / WALL FACE AND DECREASE LINEARLY TO 0 AT EXTENTS SHOWN.
  - DRIFTS LOADS ARE IN ADDITION TO BALANCED SNOW LOAD OF 40 PSF.

**1 SNOW LOAD MAP**  
 3/16" = 1'-0"



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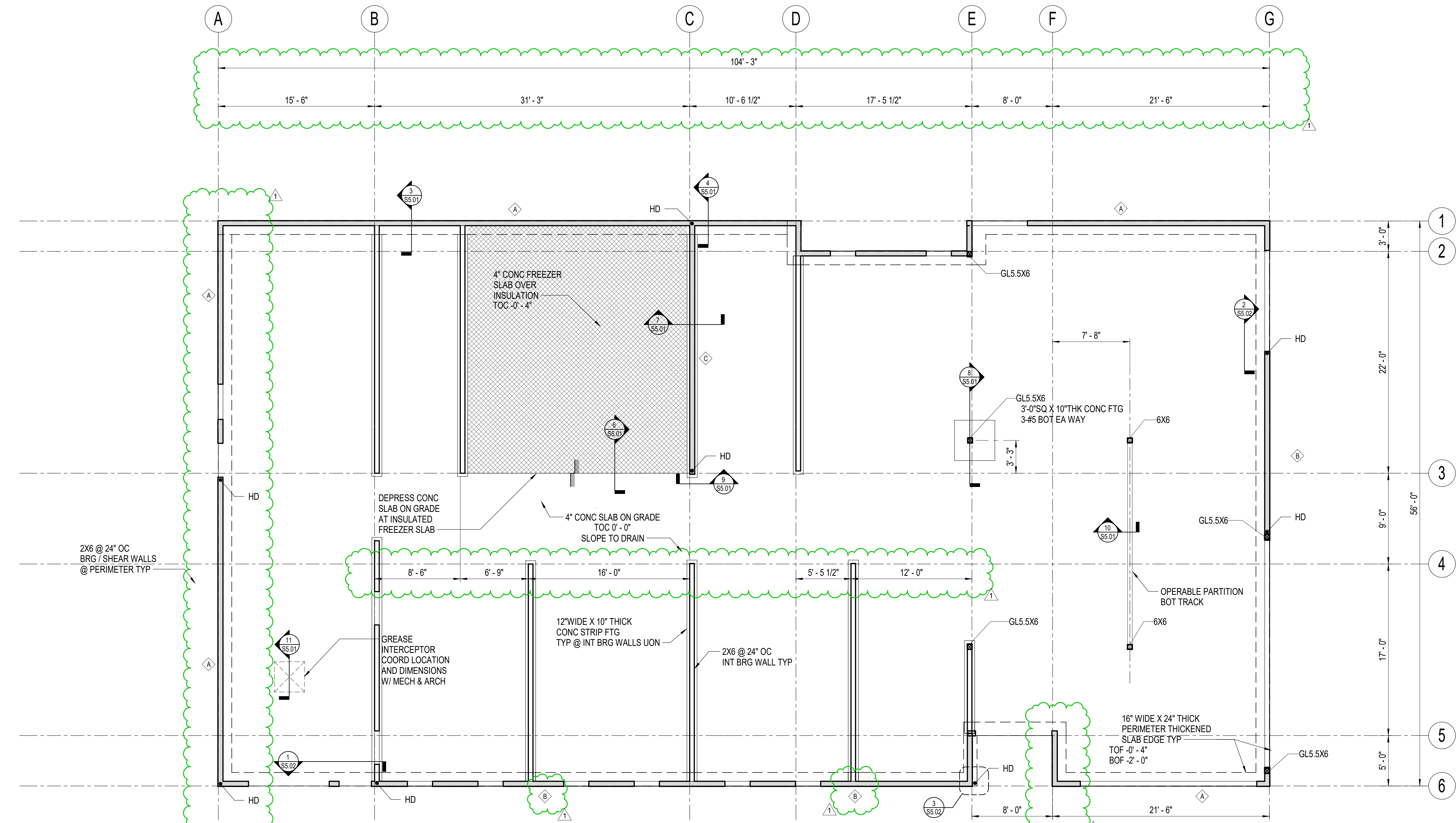
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1	MOA REVISIONS	2026.02.26

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SHEET NAME  
 FOUNDATION PLAN

SHEET NO.  
**S1.01**

HALF SCALE WHEN PRINTED AT 11x17



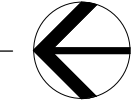
**FOUNDATION NOTES:**

- CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK.
- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
- TOP OF SLAB IS NOTED THUS: TOC X'-Y".
- TOP OF FOOTING EL IS NOTED THUS: TOF X'-Y".
- SHEAR WALL IS NOTED THUS:  $\diamond$ . SEE SHEAR WALL SCHEDULE.
- HOLDDOWNS INDICATED THUS: "HD". PROVIDE SIMPSON HTT4 PER DETAIL.

MARK	SHEAR PANEL THICKNESS	NAIL SIZE	PANEL EDGE NAIL SPACING	FIELD NAIL SPACING	BLOCKING REQUIRED	SILL PLATE ANCHORAGE
$\diamond$ A	7/16"	8d	6" OC	12" OC	YES	NOTE 2 @ 48" OC
$\diamond$ B	7/16"	8d	4" OC	12" OC	YES	NOTE 2 @ 32" OC
$\diamond$ C	7/16"	8d	3" OC SEE NOTE 3	12" OC	YES	NOTE 2 @ 24" OC

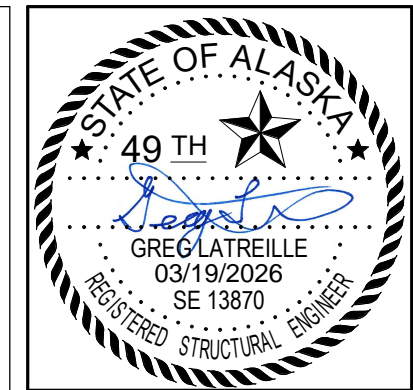
- NOTES:**
- BLOCK ALL PANEL EDGES.
  - SILL PLATE ANCHORAGE: 5/8"Ø DRILLED OR CAST-IN ANCHOR. 3x OR 2-2x FRAMING REQUIRED AT SILL AND PANEL JOINTS FOR SHEAR WALL TYPE C. SEE 4/S5.02 FOR DETAILING AT 2-2x OPTION.

NORTH



PERMIT DOCUMENTS

**1** FOUNDATION PLAN  
 3/16" = 1'-0"



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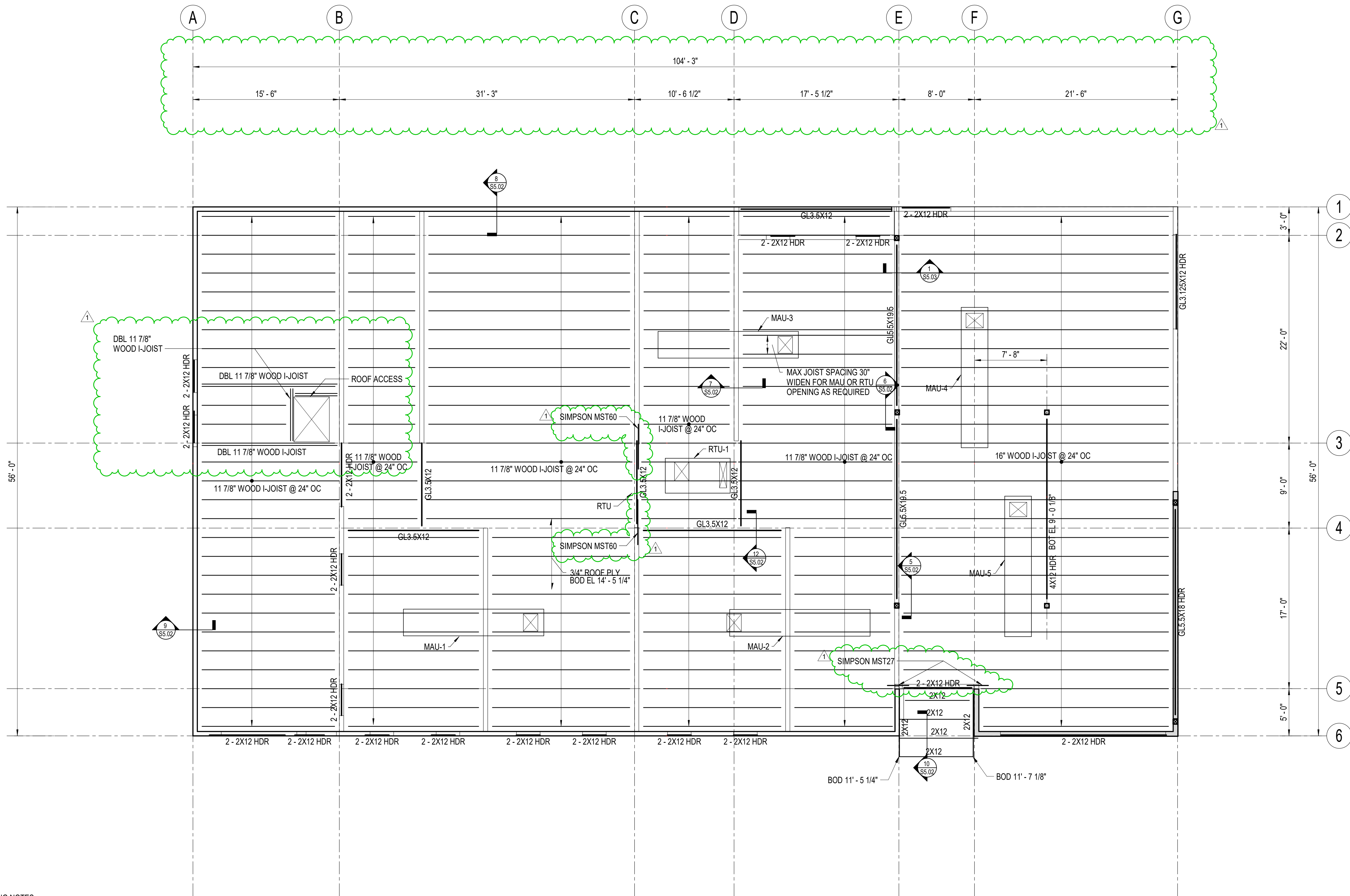
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SHEET NAME  
 ROOF FRAMING PLAN

SHEET NO.  
**S1.02**

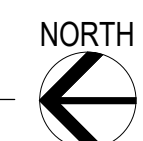
HALF SCALE WHEN PRINTED AT 11x17

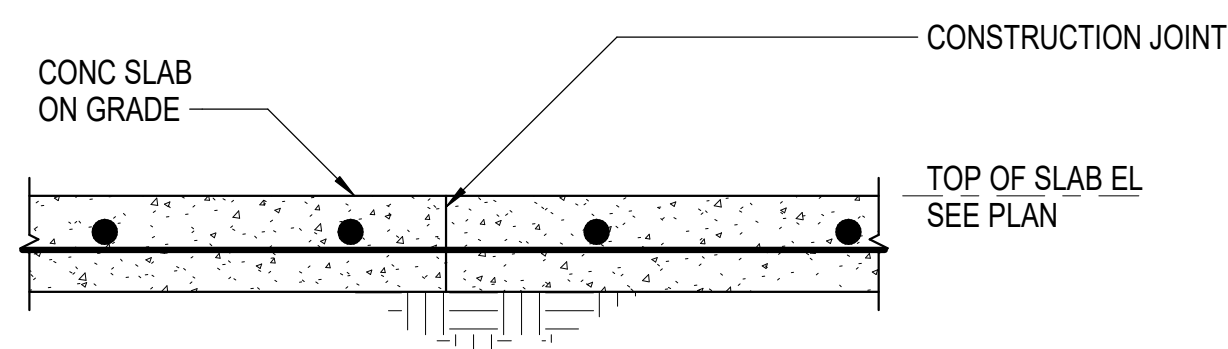


**FRAMING NOTES:**

- CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK.
- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".

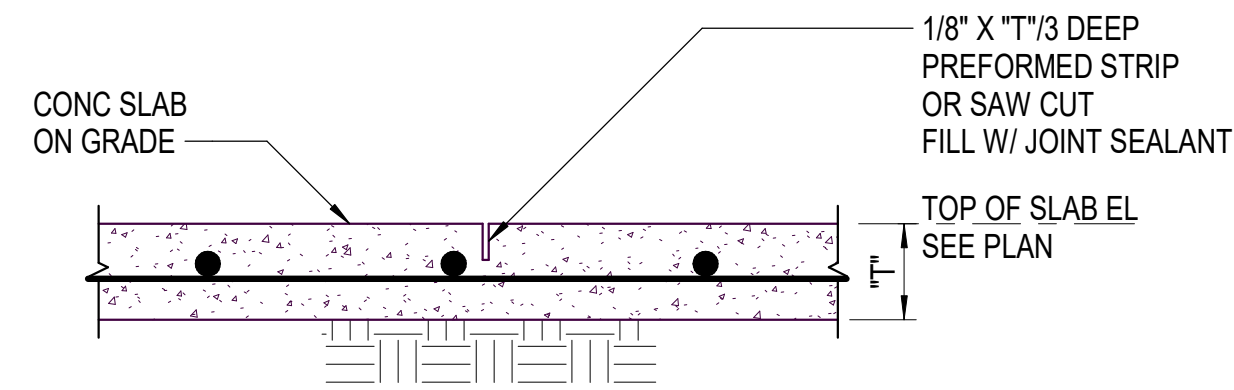
**1 ROOF FRAMING PLAN**  
 3/16" = 1'-0"





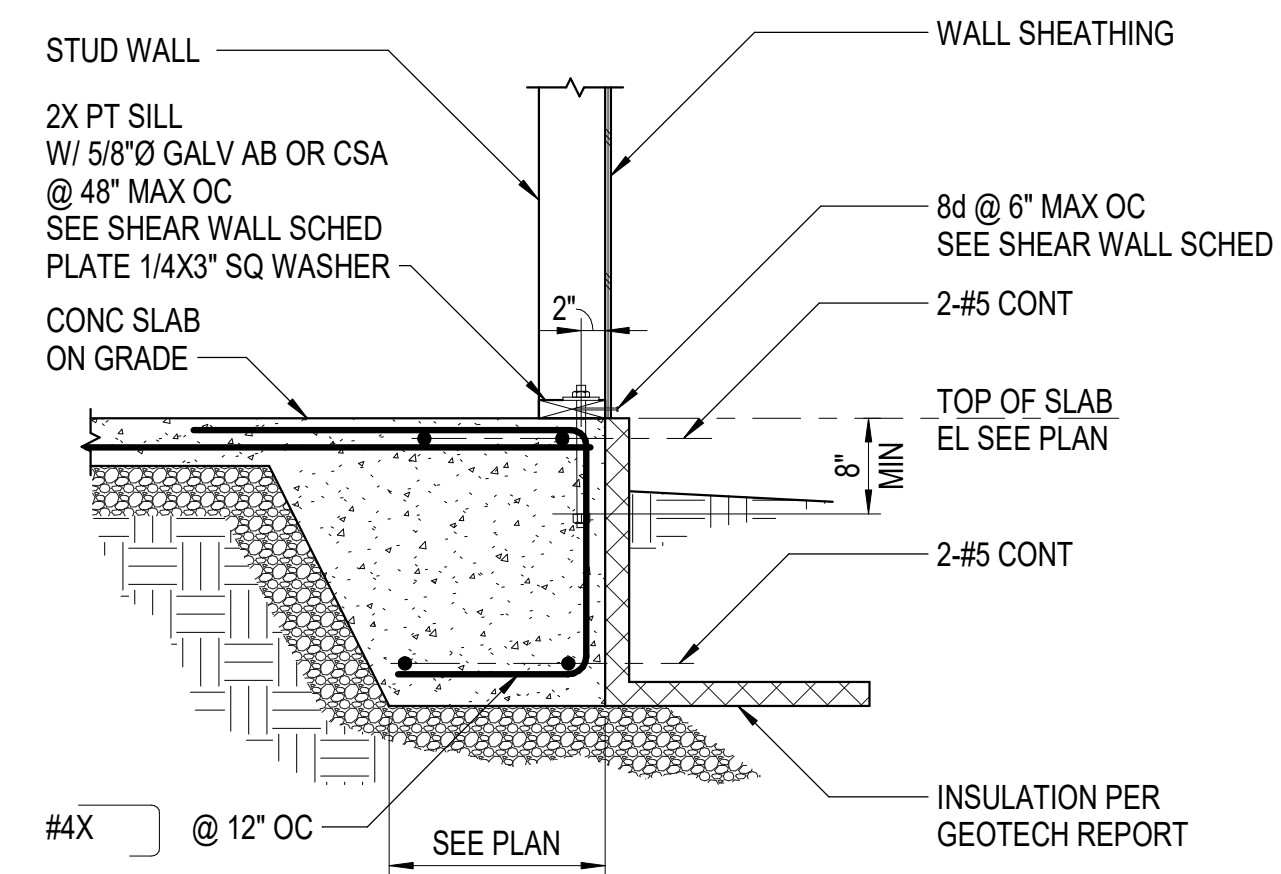
**NOTE:**  
PLACE CONSTRUCTION OR CONTROL JOINTS @ 20'-0" OC EW MAX.

**1** CONSTRUCTION JOINT  
1 1/2" = 1'-0"

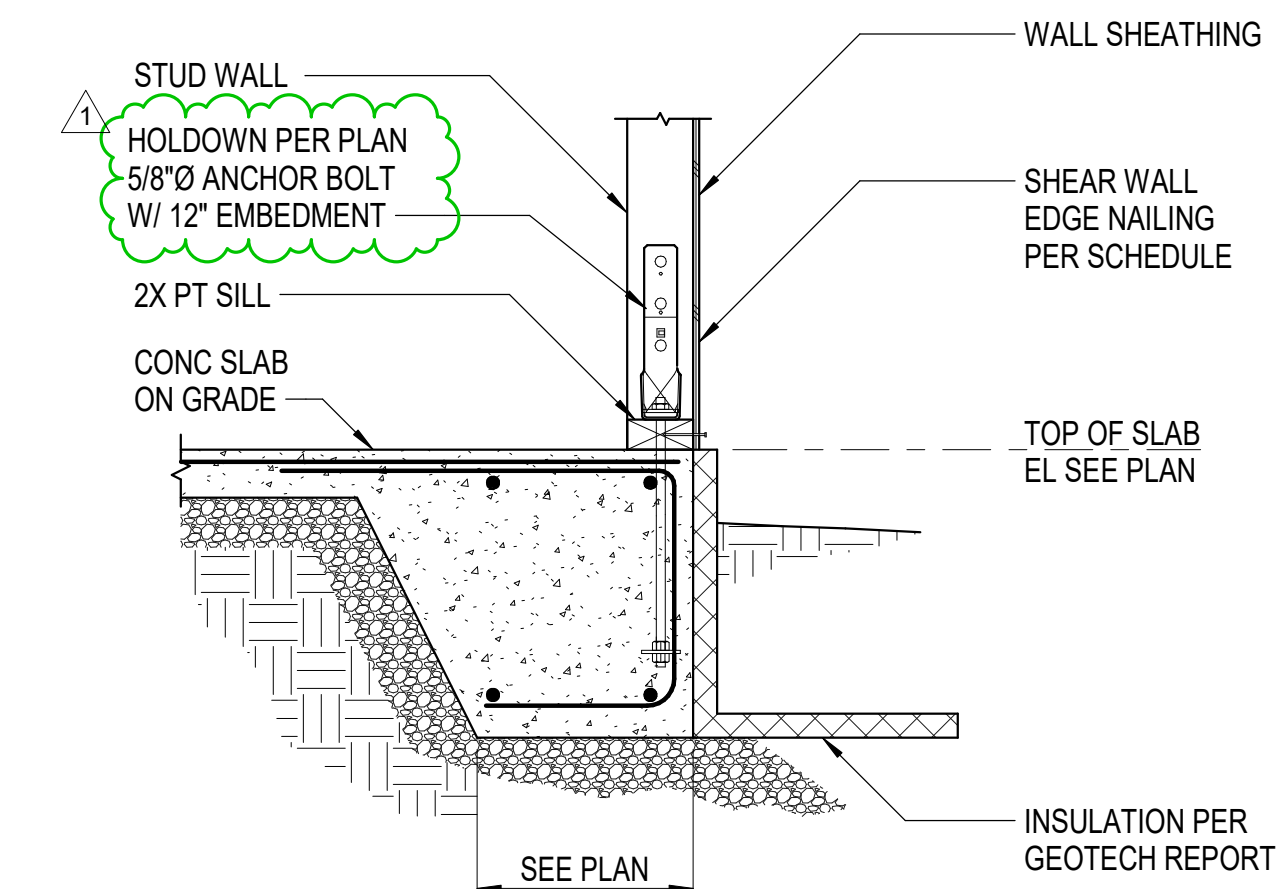


**NOTES:**  
1. PERFORM ALL SAW CUTS WITHIN 12 HOURS OF CONCRETE POUR.  
2. PLACE CONSTRUCTION OR CONTROL JOINTS @ 20'-0" OC EW MAX.

**2** CONTROL JOINT  
1 1/2" = 1'-0"

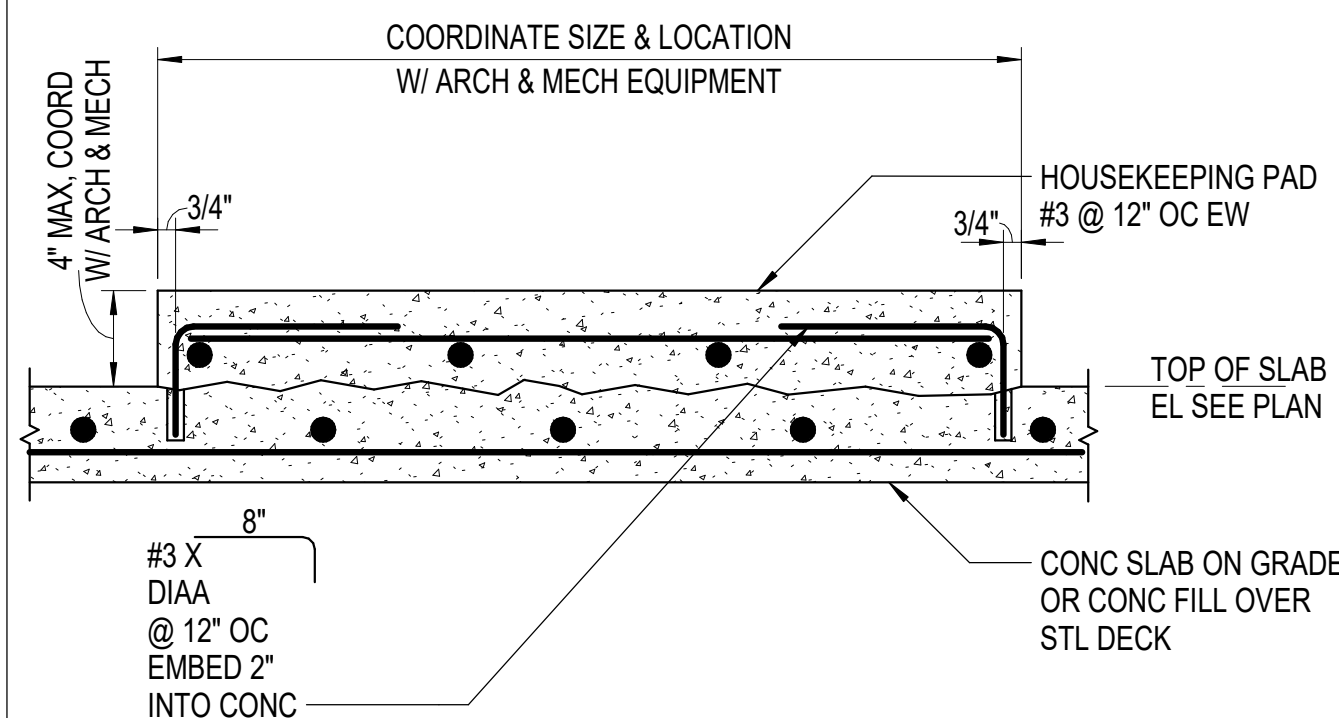


**3** TYP THICKENED SLAB EDGE  
3/4" = 1'-0"

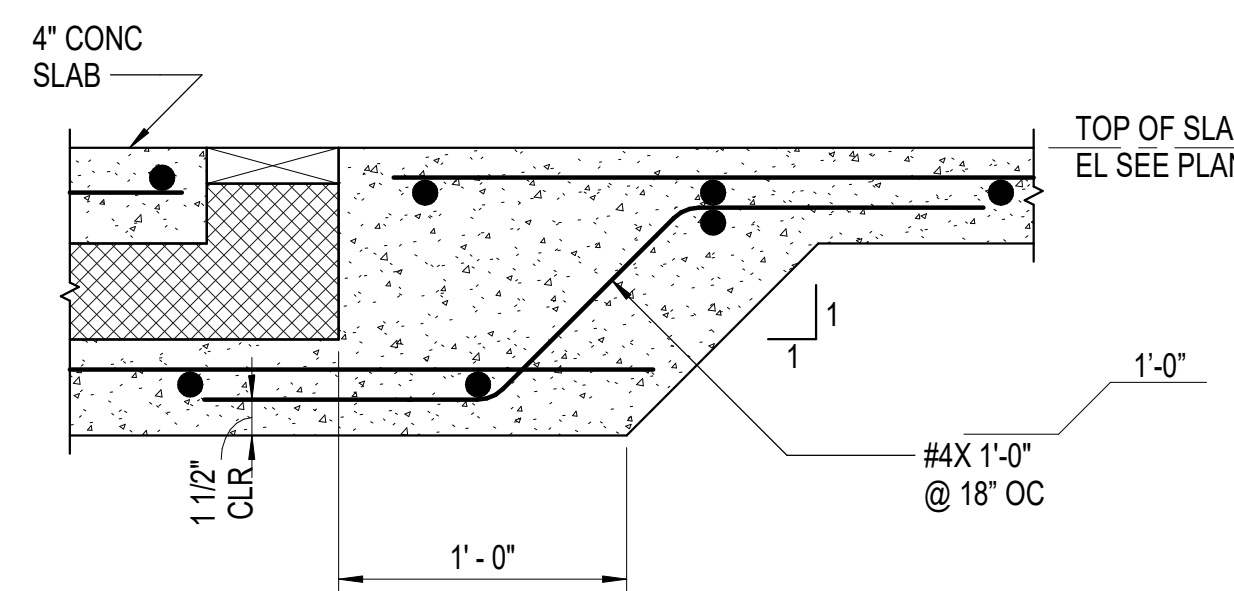


**NOTES:**  
1. FOR INFO NOT SHOWN SEE THICKENED SLAB EDGE DETAIL.

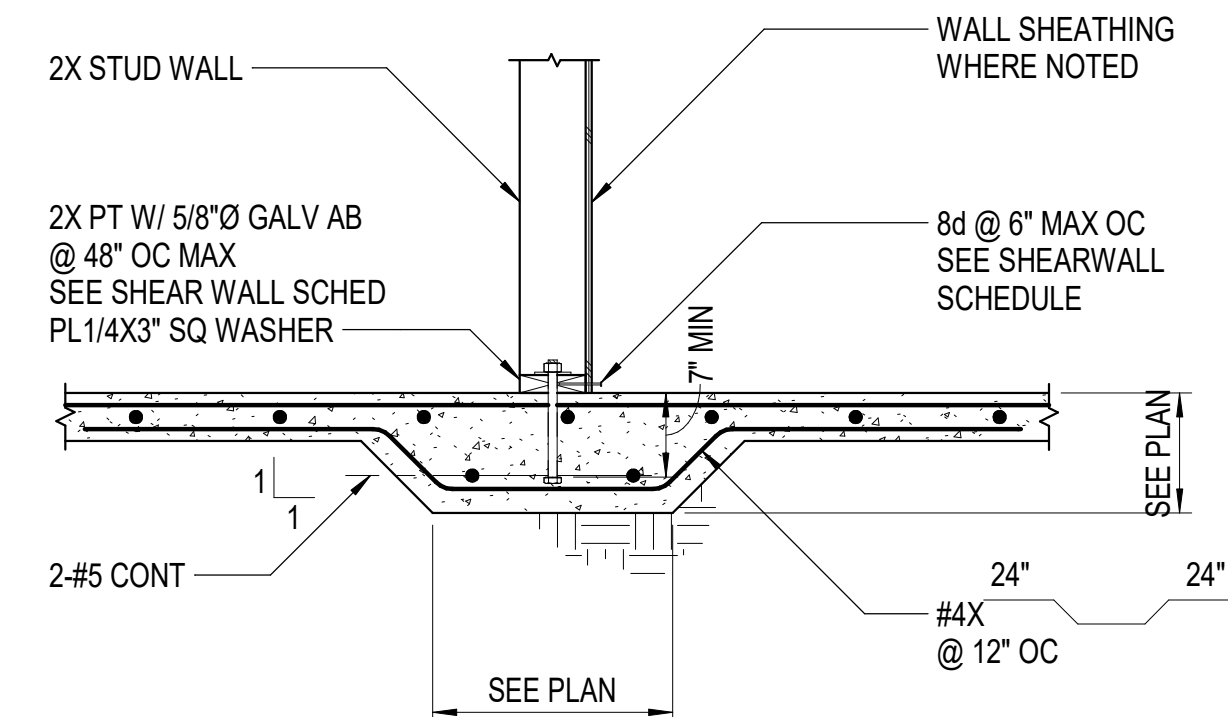
**4** SLAB EDGE AT HOLDDOWN  
3/4" = 1'-0"



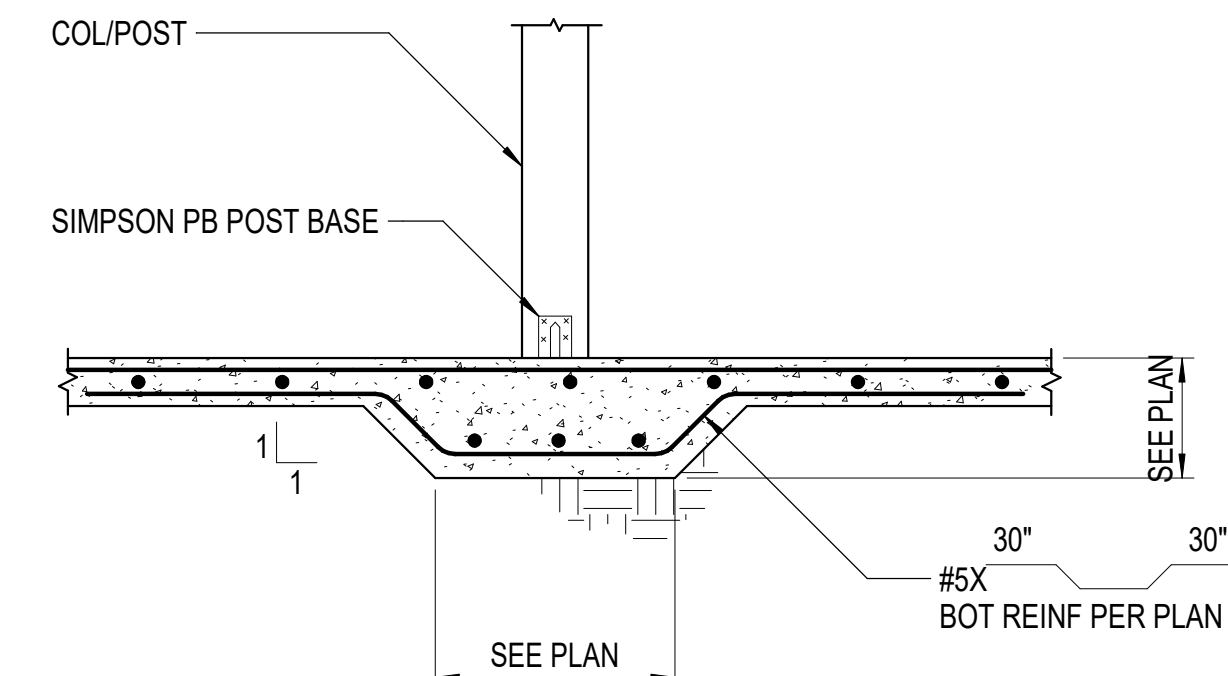
**5** HOUSEKEEPING PAD  
1 1/2" = 1'-0"



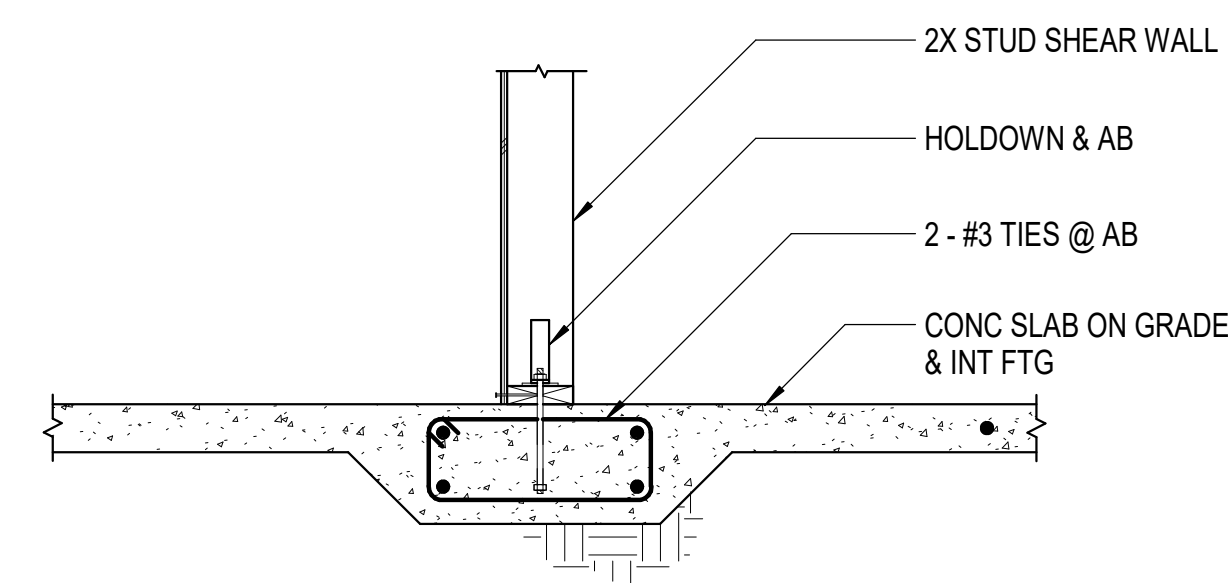
**6** DEPRESS SLAB AT FREEZER  
1 1/2" = 1'-0"



**7** THICKENED INT SLAB  
3/4" = 1'-0"

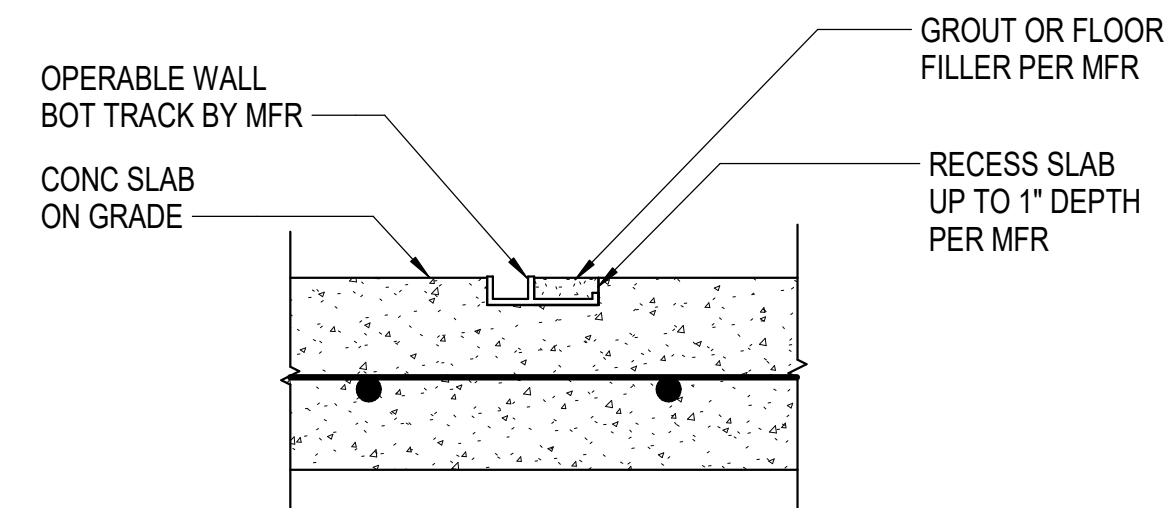


**8** INTERIOR SPREAD FOOTING  
3/4" = 1'-0"

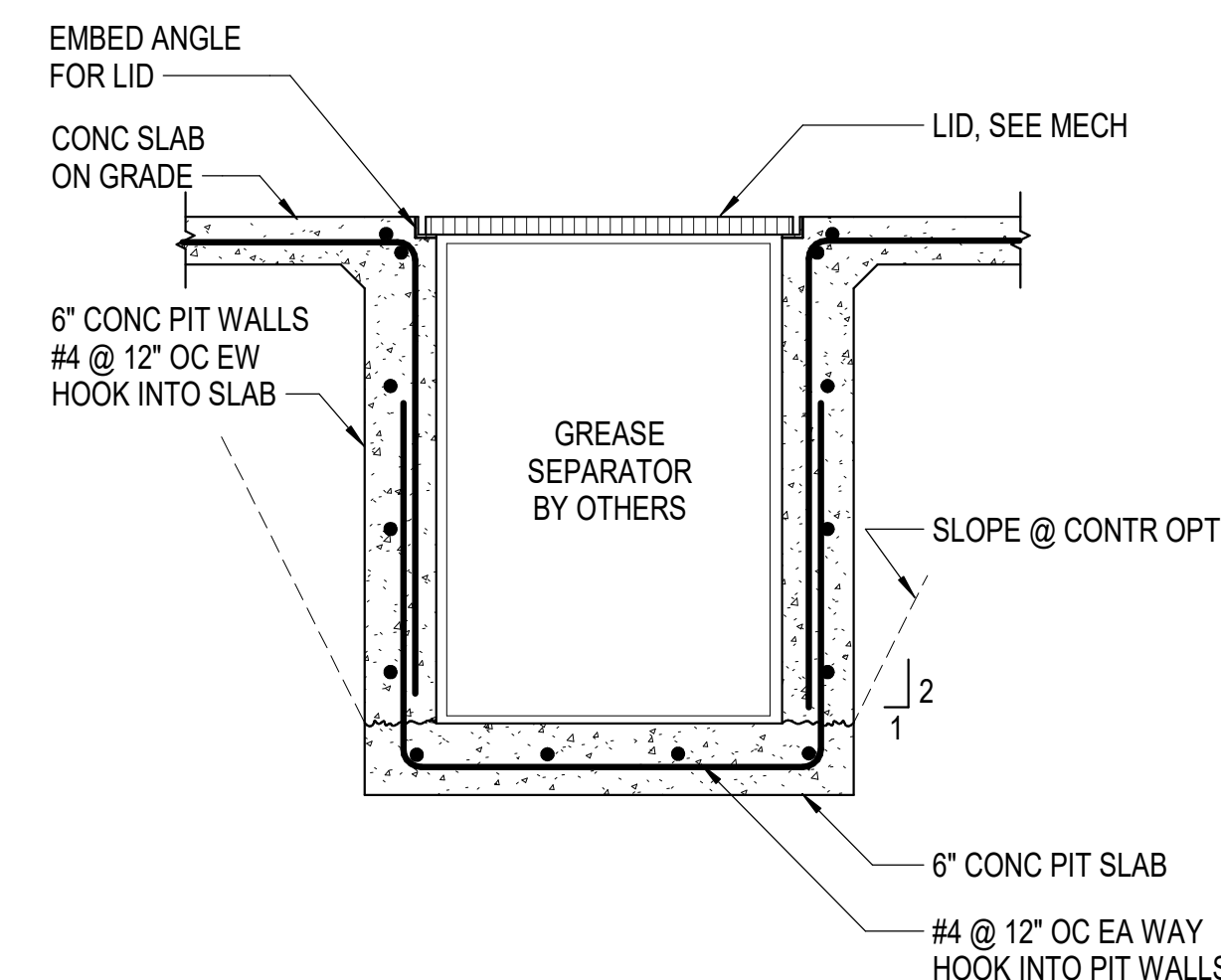


**NOTE:**  
SEE 7/S5.01 FOR INFORMATION NOT SHOWN HERE.

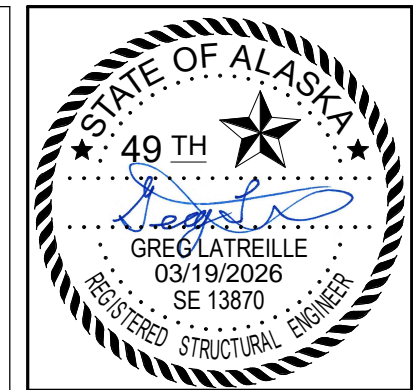
**9** INTERIOR HOLDDOWN  
3/4" = 1'-0"



**10** OPERABLE WALL BASE  
NTS



**11** GREASE SEPARATOR PIT  
NTS



CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

**spark design, llc**  
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Corporate Authorization No. C725

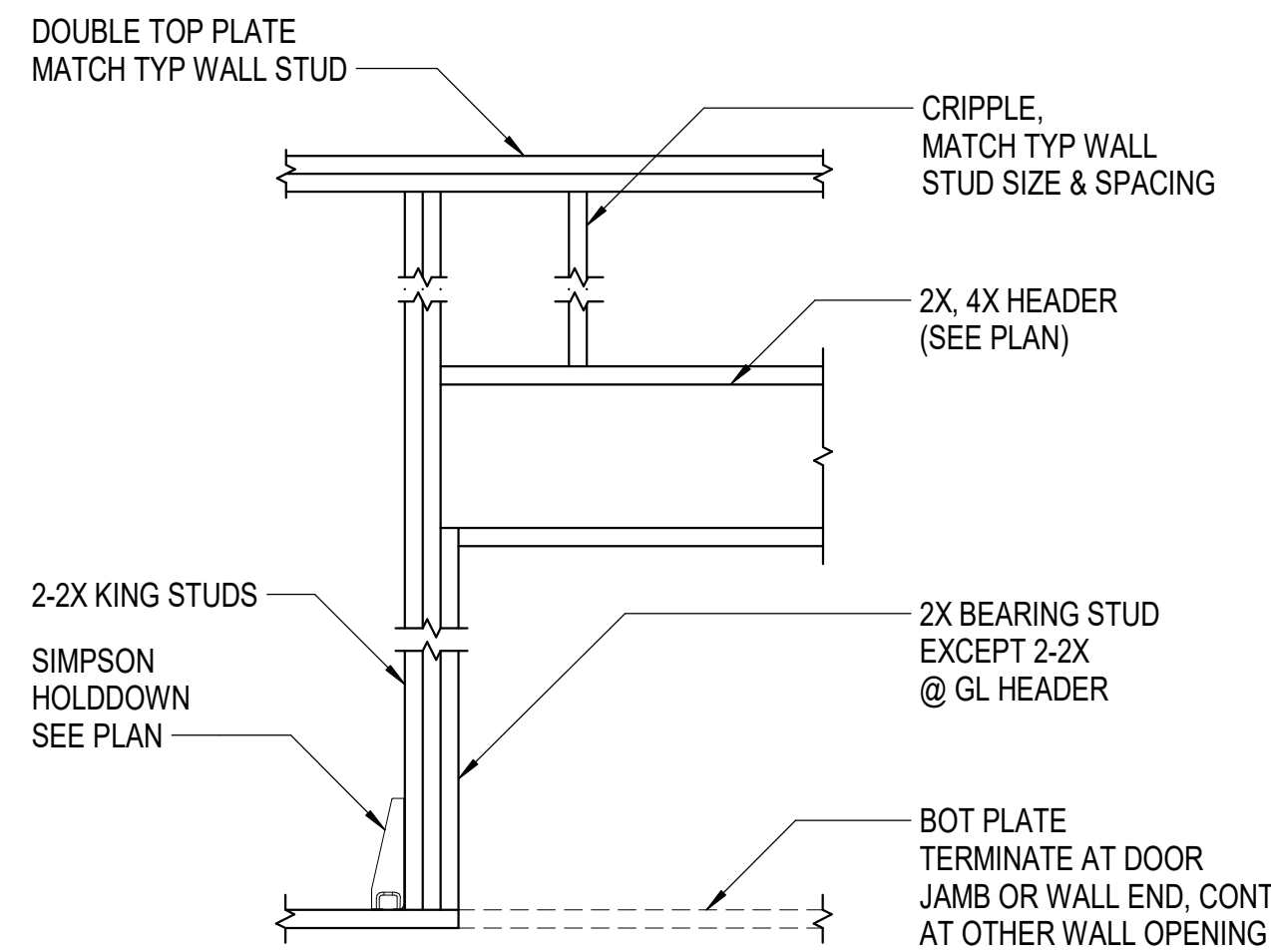
ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVISIONS	2026.02.26

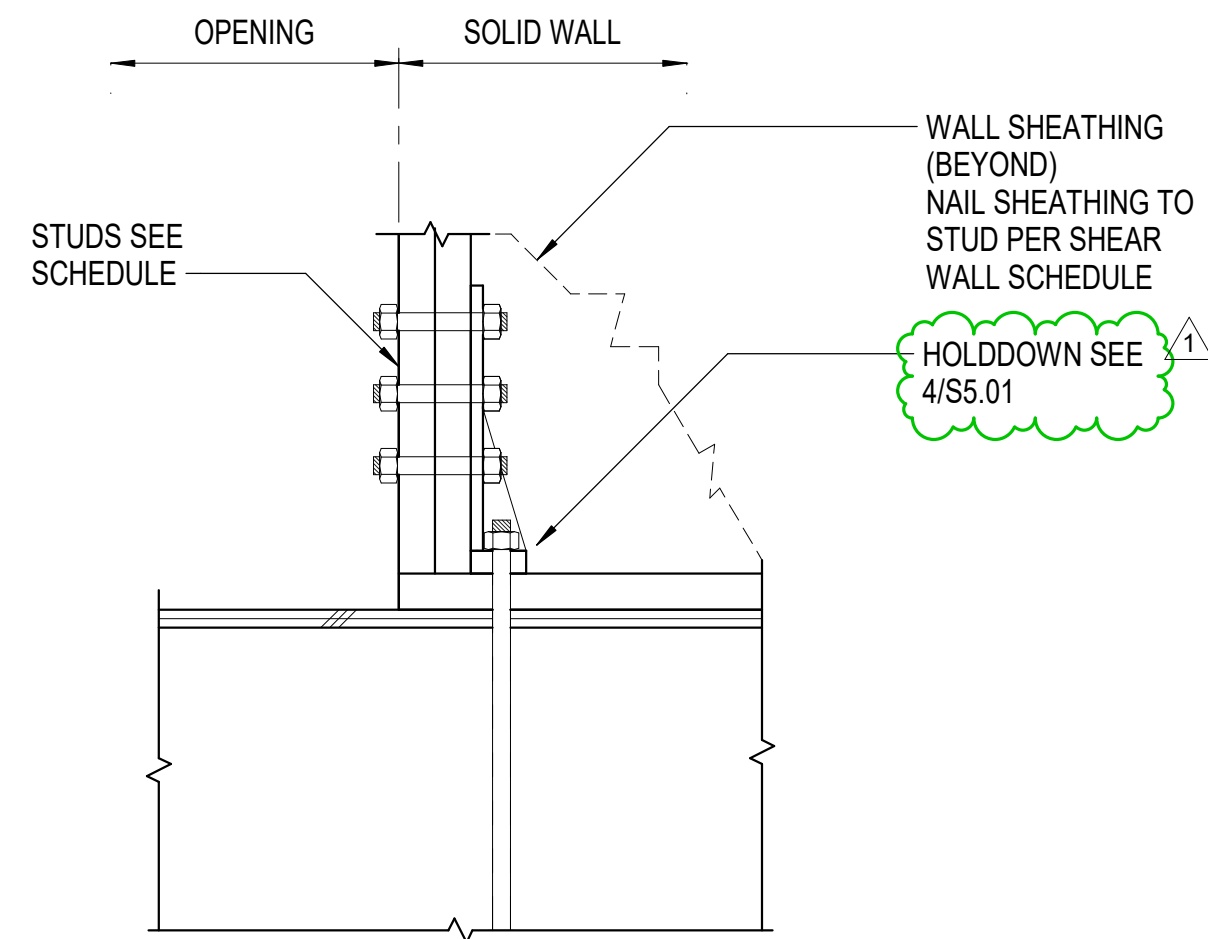
JOB NO. 224087  
DATE 2025.02.12  
DRAWN CMS  
REVIEWED GOL

SHEET NAME  
FOUNDATION DETAILS

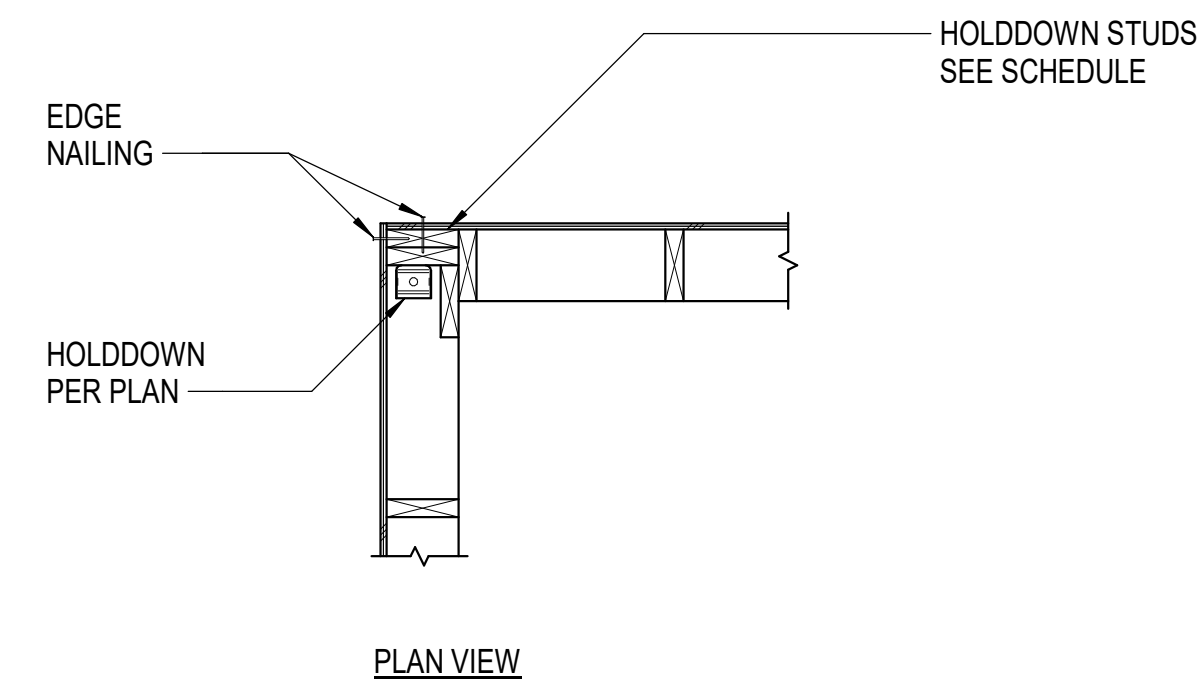
SHEET NO.  
**S5.01**



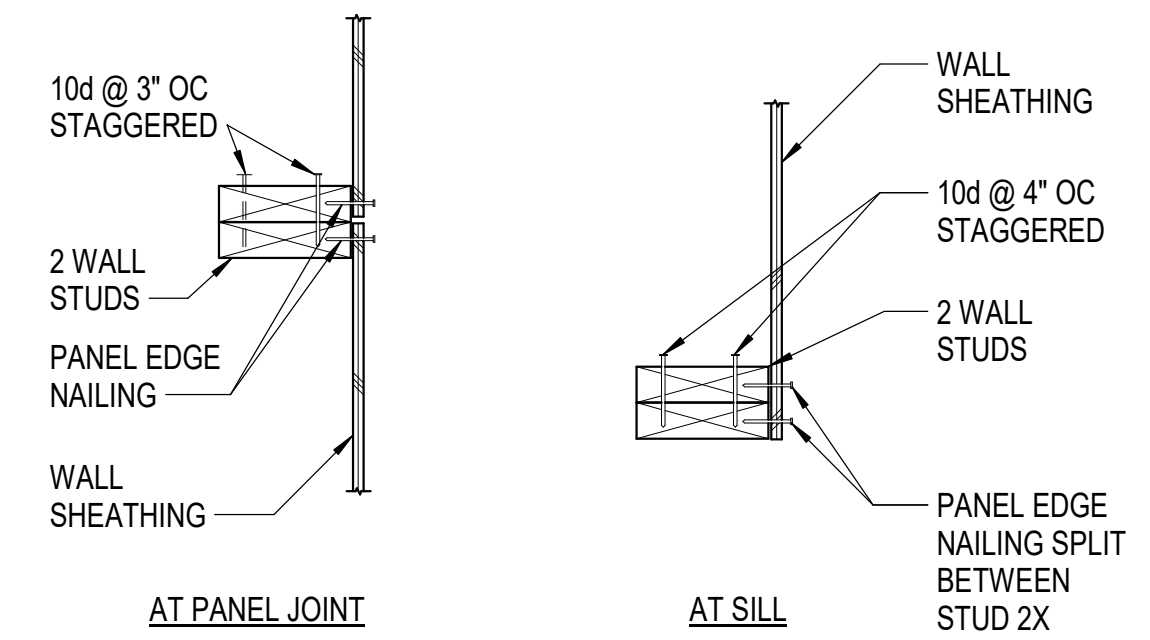
**1 WALL OPENING**  
3/4" = 1'-0"



**2 STUD AT HOLDDOWN**  
1 1/2" = 1'-0"

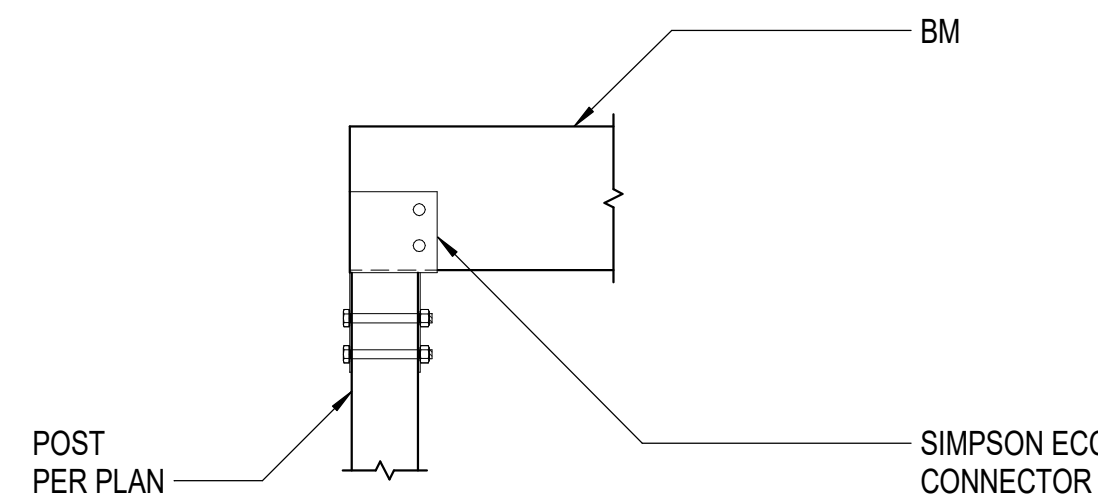


**3 HOLDDOWN AT CORNER**  
3/4" = 1'-0"

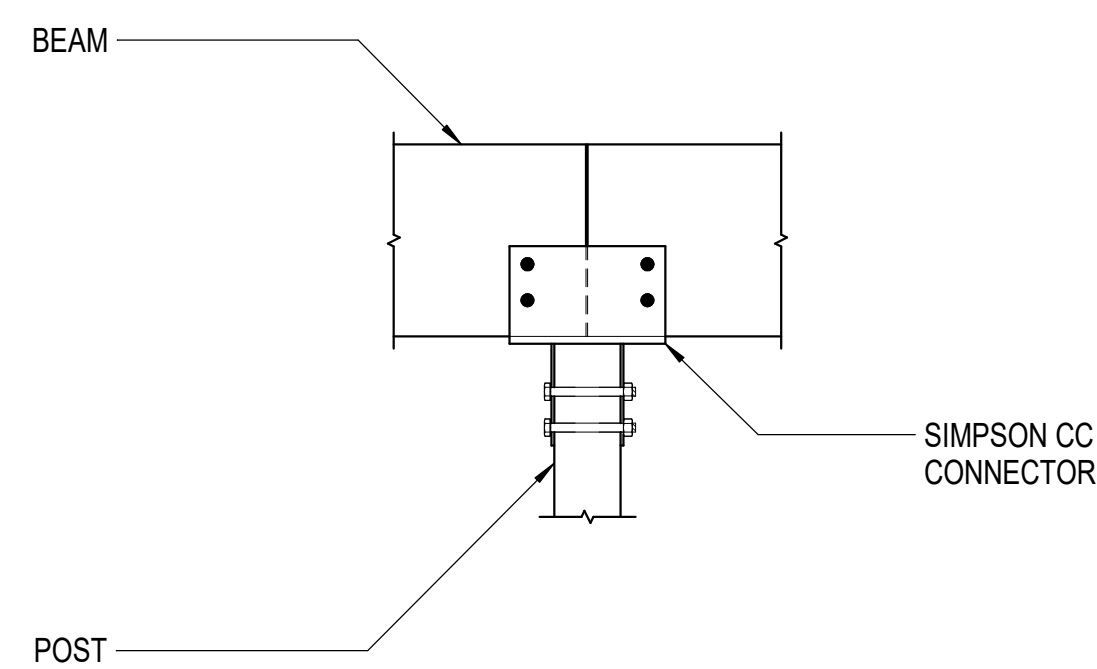


**NOTE:**  
2-2x FRAMING DETAILS TO BE USED IN LIEU OF 3x SILL AND FRAMING AT PANEL JOINTS FOR SHEAR WALL TYPE C ONLY.

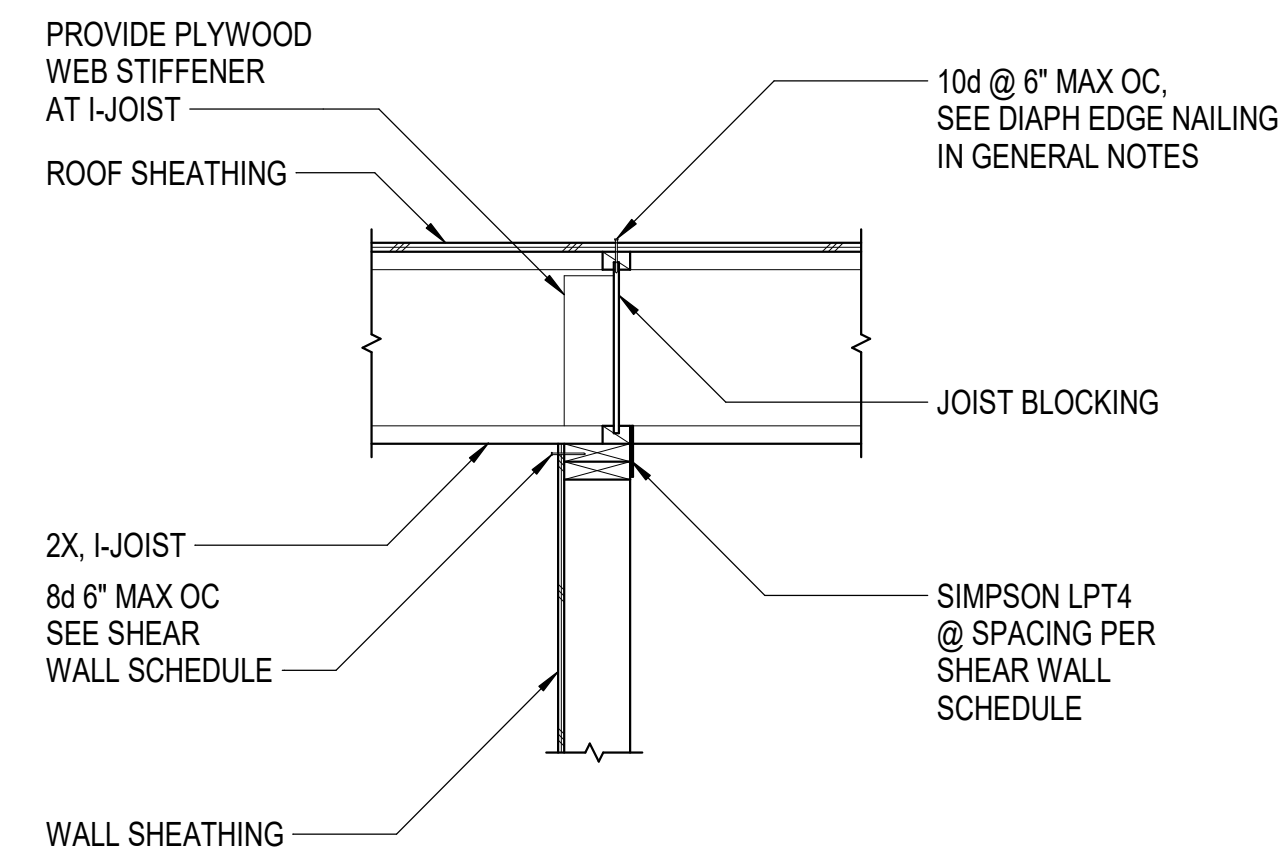
**4 SHEAR WALL ENDS/JOINTS**  
1 1/2" = 1'-0"



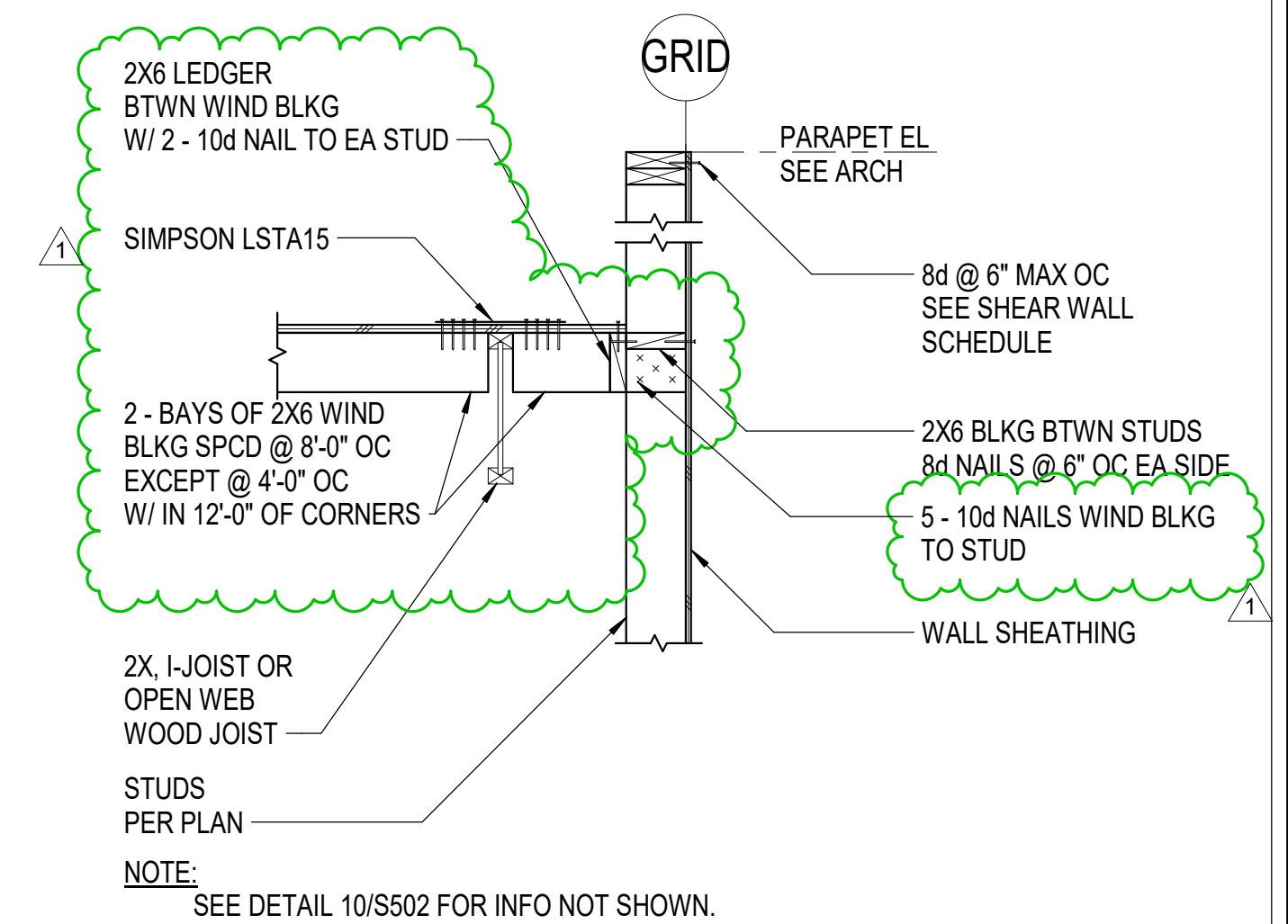
**5 GL BM TO POST**  
3/4" = 1'-0"



**6 GL BMS TO POST**  
3/4" = 1'-0"

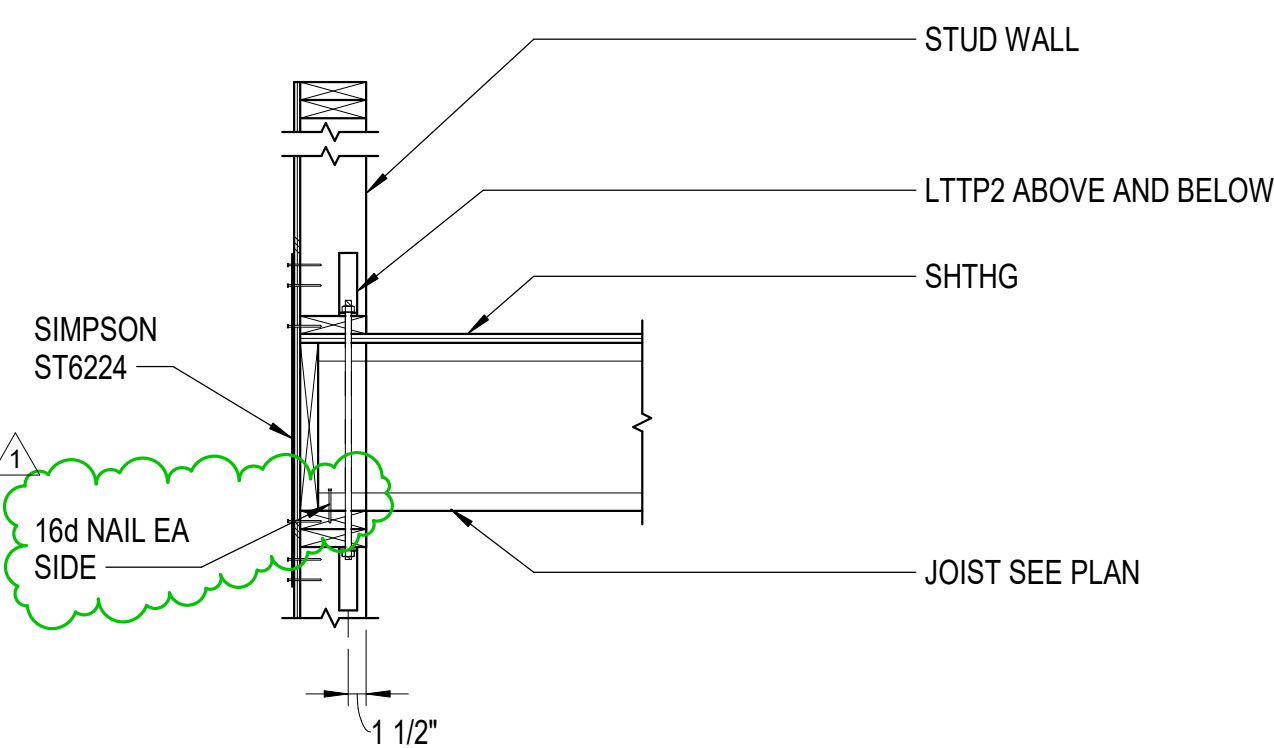


**7 JOIST @ INTERIOR WALL**  
3/4" = 1'-0"



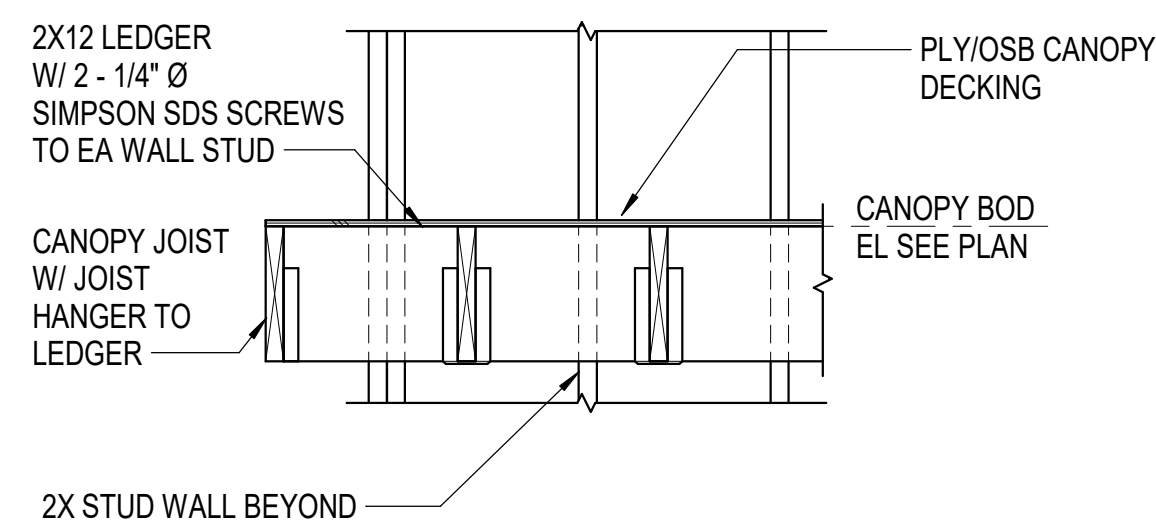
**NOTE:**  
SEE DETAIL 10/S502 FOR INFO NOT SHOWN.

**8 ROOF JOIST PARALLEL WALL**  
3/4" = 1'-0"

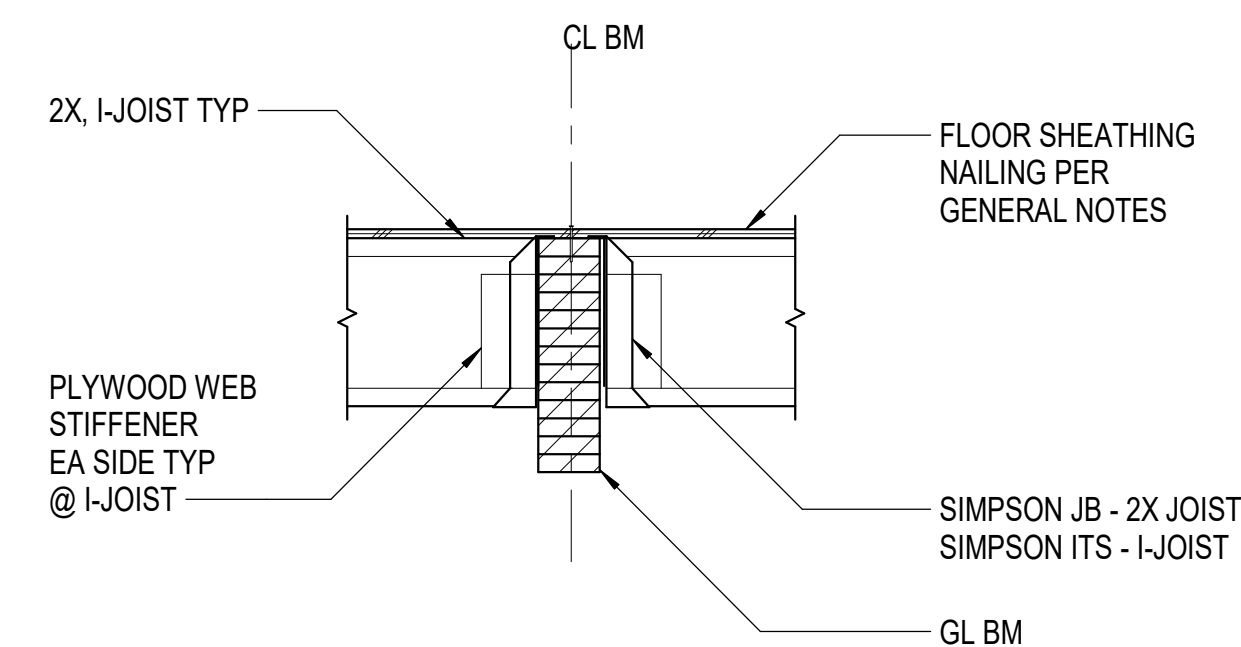


**NOTE:**  
ST6224 AND LTP2 REQUIRED AT EVERY STUD FOR HIGH PARAPET CONDITION, EVERY OTHER STUD AT LOW PARAPET.

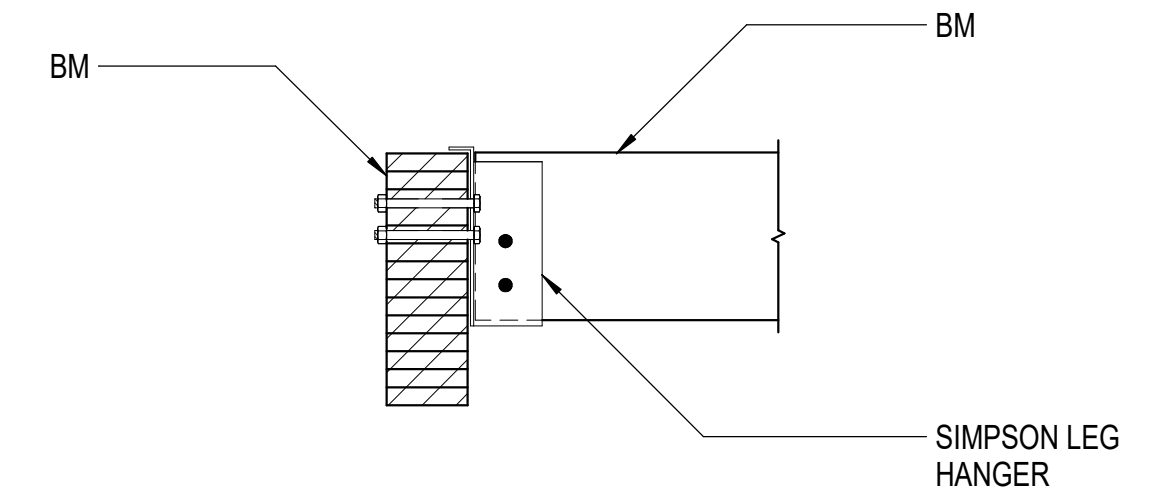
**9 JOIST AT EXTERIOR WALL**  
3/4" = 1'-0"



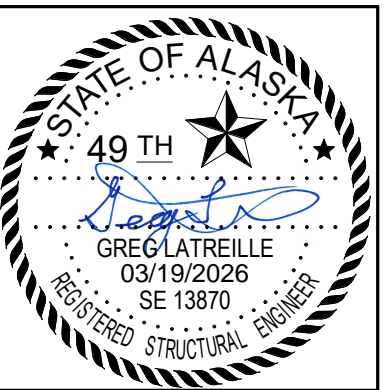
**10 CANOPY FRAMING**  
3/4" = 1'-0"



**11 I-JOIST TO BEAM**  
3/4" = 1'-0"



**12 GL BM TO GL BM**  
3/4" = 1'-0"



CERTIFICATE OF AUTHORIZATION NO. SPARK DESIGN, LLC #AECL1394

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Corporate Authorization No: C725

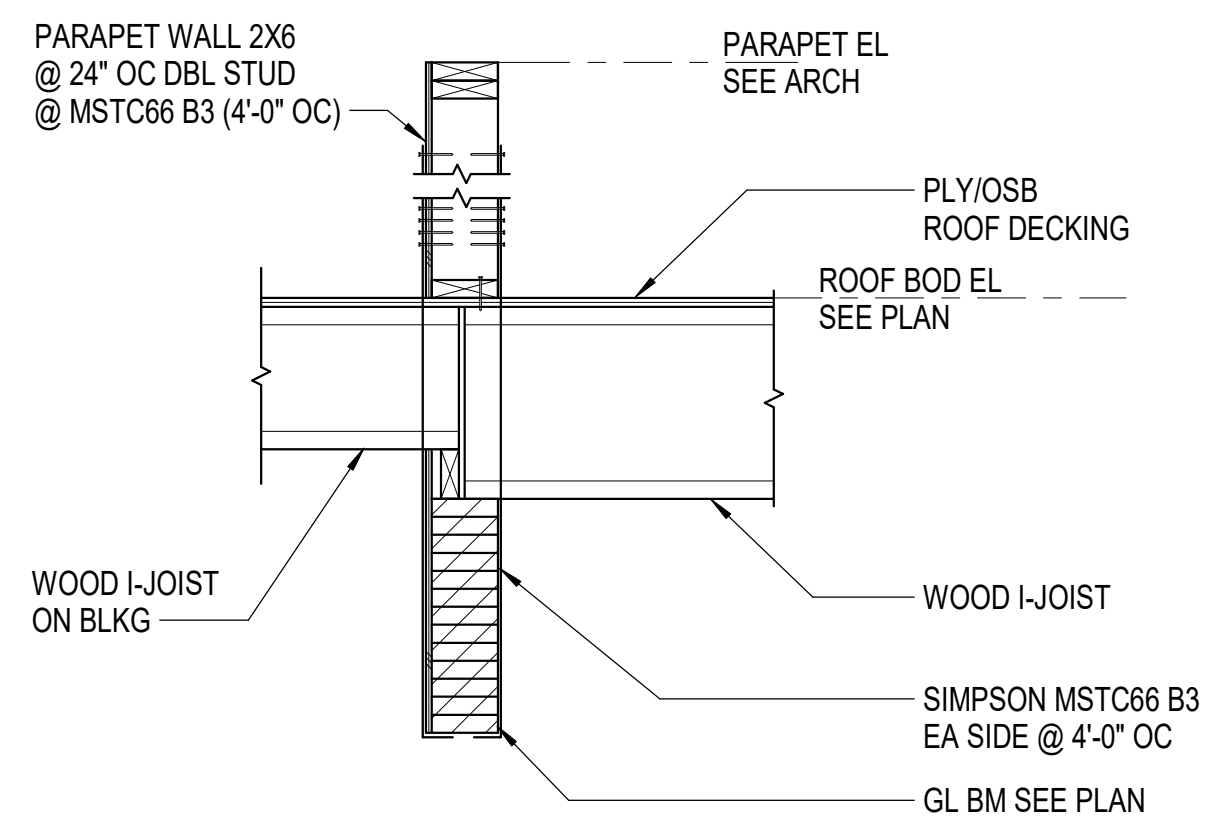
**ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA REVISIONS	2026.02.26

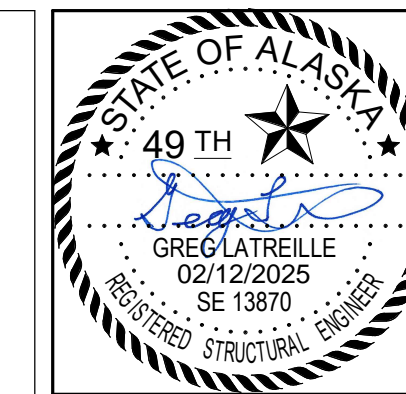
JOB NO. 224087  
DATE 2025.02.12  
DRAWN CMS  
REVIEWED GOL

SHEET NAME  
DETAILS

SHEET NO.  
**S5.02**



1 INTERIOR PARAPET TO GL  
3/4" = 1'-0"



CERTIFICATE OF AUTHORIZATION NO:  
SPARK DESIGN, LLC #AECL1394

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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 224087  
 DATE 2025.02.12  
 DRAWN CMS  
 REVIEWED GOL

SHEET NAME  
 DETAILS

SHEET NO.  
**S5.03**

### PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	MINIMUM CONNECTION SIZE					MANUFACTURER	MODEL	COLOR	TRIM / REMARKS
		CW	HW	TRAP	VENT	WASTE				
WC-1	WATER CLOSET - FLOOR MOUNT - ADA	1/2"	---	---	2"	3"	KOHLER	HIGHLINE K-3493 (-RA)	WHITE	PRESSURE ASSIST, LOCKING COVER, SPLIT RIM SEAT, PROVIDE TRIP LEVER ON ACCESSIBLE SIDE
LV-1	LAVATORY - WALL HUNG - ADA	1/2"	1/2"	1-1/4"	1-1/4"	1-1/2"	KOHLER	KINGSTON K-2005	WHITE	DELTA FAUCET 516LF-HDF, CONCEALED ARM SUPPORTS, FLOOR MOUNTED WALL CARRIER FOR ADA HEIGHT, ASSE 1070 THERMOSTATIC MIX VALVE FOR HOT WATER SUPPLY
SK-1	SINK - UNDERMOUNT	1/2"	1/2"	1-1/2"	1-1/2"	2"	JUST	USX1830A-J	STAINLESS	DELTA TRINSIC MATTE BLACK FAUCET 9159-BL-DST, WITH PULL DOWN HOSE SPRAY, HOLE PUNCH AS REQUIRED FOR TRIM
SK-2	SINK - UNDERMOUNT	1/2"	1/2"	1-1/2"	1-1/2"	2"	JUST	US1351A-J	STAINLESS	DELTA TRINSIC MATTE BLACK FAUCET 9159-BL-DST, WITH PULL DOWN HOSE SPRAY, HOLE PUNCH AS REQUIRED FOR TRIM
SK-3	SINK - UNDERMOUNT	1/2"	1/2"	1-1/2"	1-1/2"	2"	JUST	US1620A-J	STAINLESS	DELTA TRINSIC MATTE BLACK FAUCET 9159-BL-DST, WITH PULL DOWN HOSE SPRAY, HOLE PUNCH AS REQUIRED FOR TRIM
SK-4	SINK - UTILITY/MOP	1/2"	1/2"	3"	1-1/2"	3"	CUSTOM	CUSTOM 30" x 60" x 18"	STAINLESS	FIAT FAUCET 830-AA WITH VACUUM BREAKER, 832-AA HOSE AND BRACKET, 889-CC MOP HANGER
KSK-1	SINK - HAND	1/2"	1/2"	1-1/2"	1-1/2"	2"	SEE KITCHEN EQUIPMENT PLANS		STAINLESS	SEE KITCHEN EQUIPMENT PLANS, ASSE 1070 THERMOSTATIC MIX VALVE FOR HOT WATER SUPPLY
KSK-2	SINK - PREP	1/2"	1/2"	1-1/2"	1-1/2"	2"	SEE KITCHEN EQUIPMENT PLANS		STAINLESS	SEE KITCHEN EQUIPMENT PLANS
KSK-3	SINK - 3-COMPARTMENT	1/2"	1/2"	1-1/2"	1-1/2"	2"	SEE KITCHEN EQUIPMENT PLANS		STAINLESS	SEE KITCHEN EQUIPMENT PLANS
KSK-4	SINK - 3-COMPARTMENT	1/2"	1/2"	1-1/2"	1-1/2"	2"	SEE KITCHEN EQUIPMENT PLANS		STAINLESS	SEE KITCHEN EQUIPMENT PLANS
KSK-5	SINK - PRERINSE	1/2"	1/2"	1-1/2"	1-1/2"	2"	SEE KITCHEN EQUIPMENT PLANS		STAINLESS	SEE KITCHEN EQUIPMENT PLANS
BF-1	DRINKING FOUNTAIN - SINGLE - ADA	1/2"	---	1-1/4"	1-1/4"	1-1/4"	ELKAY	EZWSSM	STAINLESS	ANTIMICROBIAL, GREEN TICKER BOTTLE COUNTER, HANDS FREE, LAMINAR FLOW, EWF3000 FILTRATION KIT, 115V, 60HZ, 1 AMP, 15 WATTS
FD-1	FLOOR DRAIN	---	---	2"	1-1/2"	2"	J.R. SMITH	2050	---	ROUND TOP, TRAP PRIMER CONNECTION WITH 1/2" WATER CONNECTION TO TRAP PRIMER
FD-2	FLOOR DRAIN	---	---	2"	1-1/2"	2"	J.R. SMITH	2005-A	---	ROUND TOP, TRAP PRIMER CONNECTION WITH 1/2" WATER CONNECTION TO TRAP PRIMER
FD-3	FLOOR DRAIN	---	---	4"	3"	4"	J.R. SMITH	2005-A	---	ROUND TOP, TRAP PRIMER CONNECTION WITH 1/2" WATER CONNECTION TO TRAP PRIMER
FS-1	FLOOR SINK	---	---	2"	1-1/2"	2"	ZURN	Z1755	---	WITH STAINLESS STEEL RIM AND 1/2 GRATE, DOME STRAINER
FS-2	FLOOR SINK	---	---	3"	2"	3"	JOSAM	45130	---	WITH STAINLESS STEEL RIM AND 1/2 GRATE, SEDIMENT BUCKET
GR-1	GREASE INTERCEPTOR	---	---	---	2"	4"	SCHIER	GB-250	---	ASME A112.14.3TYPE D LISTED GREASE INTERCEPTOR, 277 GAL LIQUID - 1,895 LBS GREASE - 69 GAL SOLIDS CAPACITIES, TRAFFIC RATED COVERS, EXTENSIONS AS REQUIRED FOR BURIAL DEPTH, TWO WAY CLEANOUT FITTINGS PER MFG, TANK BALLAST
RD-1	ROOF DRAIN	---	---	---	---	3"	J.R. SMITH	1010Y	---	CAST IRON DOME STRAINER, UNDERDECK CLAMP, ROOF SUMP RECEIVER, EXTENSION WITH SECONDARY CLAMPING DEVICE AS REQUIRED
OD-1	OVERFLOW DRAIN	---	---	---	---	3"	J.R. SMITH	1080Y	---	2" DAM, CAST IRON DOME STRAINER, UNDERDECK CLAMP, ROOF SUMP RECEIVER, EXTENSION WITH SECONDARY CLAMPING DEVICE AS REQUIRED
HB-1	HOSE BIBB - FROST PROOF	3/4"	---	---	---	---	WOODFORD	MODEL 65	---	WITH VACUUM BREAKER, LOOSE TEE KEY HANDLE
HB-2	HOSE BIBB	3/4"	---	---	---	---	WOODFORD	MODEL 24	---	WITH INTEGRAL VACUUM BREAKER, PROVIDE 50' NSF CERTIFIED HOSE WITH HOSE REEL FOR POTABLE WATER USE ONLY

### KITCHEN EQUIPMENT PLUMBING CONNECTION SCHEDULE

TAG	FIXTURE	MINIMUM CONNECTION SIZE							TRIM / REMARKS
		CW	HW	TRAP	VENT	WASTE	INDIRECT WASTE		
KE-02	DISHWASHER, CONVEYOR TYPE, VENTLESS	---	1/2"	---	---	---	1-1/4"		COORDINATE WITH KITCHEN DESIGN DRAWINGS AND MANUFACTURER'S REQUIREMENTS
KE-69	TILTING SKILLET BRAISING PAN, GAS	1/2"	---	---	---	---	---		3/4" GAS CONNECTION
KE-101	ICE MAKER, CUBE-STYLE	3/8"	---	---	---	---	*		* MULTIPLE DRAIN CONNECTIONS, SEE MANUFACTURER LITERATURE FOR INDIRECT DRAIN PIPE SIZE REQUIRED
KE-109	COFFEE BREWER	1/4"	---	---	---	---	1/2"		PROVIDE BACKFLOW PREVENTER - WATTS SD-3 OR EQUAL

### EXPANSION TANK SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	DIMENSIONS	MATERIAL	LABEL	REMARKS
ET-1	AMTROL / EXTROL 200-L	HYDRONIC EXPANSION	50% P.G.	53.0	53.0	24"Ø x 37"	STEEL/BUTYL	ASME	PRECHARGE TO 15 PSIG
ET-2	AMTROL / THERM-X-TROL ST-60VC	DOMESTIC HOT WATER EXPANSION	WATER	25.0	11.0	16"Ø x 32"	STEEL/BUTYL	ASME/NSF	PRECHARGE TO WATER SUPPLY STATIC PRESSURE

### TANK SCHEDULE

TAG	MFGR / MODEL	FUNCTION	FLUID	STORAGE (GALLONS)	DIMENSIONS	MATERIAL	LABEL	REMARKS
WST-1	BRADFORD WHITE / M-3-ST80R5	DOMESTIC HOT WATER STORAGE	WATER	80	24"Ø X 59"H	STEEL	ASME	DESIGNED FOR POTABLE HOT WATER STORAGE, VERTICAL TANK, 2" MINIMUM INSULATION WITH STEEL JACKET, VITRAGLAS GLASS LINED, ANODE RODS, HAND HOLE CLEANOUT, AQUASTAT
WST-2	BRADFORD WHITE / M-3-ST80R5	DOMESTIC HOT WATER STORAGE	WATER	80	24"Ø X 59"H	STEEL	ASME	DESIGNED FOR POTABLE HOT WATER STORAGE, VERTICAL TANK, 2" MINIMUM INSULATION WITH STEEL JACKET, VITRAGLAS GLASS LINED, ANODE RODS, HAND HOLE CLEANOUT, AQUASTAT

### GLYCOL MAKE-UP TANK SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	STORAGE (GALLONS)	DIMENSIONS	MATERIAL	ELECTRICAL DATA			REMARKS
							AMPS/WATTS	VOLTS/PH	LABEL	
GMT-1	AXIOM / SF100	BUILDING HEAT SYSTEM	50% P.G.	55.0	24"Ø x 49"H	PLASTIC	0.7 AMPS	120/1	ETL	WITH PACKAGED PUMP, CONTROLS, LOW LEVEL ALARM AND REMOTE MONITORING CONTACTS, 3-PRONG PLUG AND CORD

### TRAP PRIMER SCHEDULE

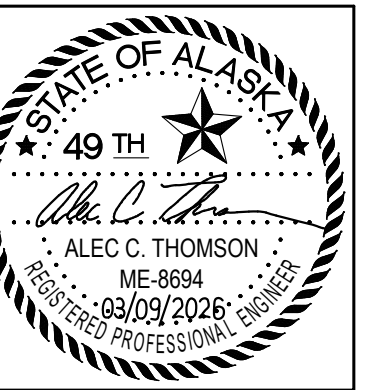
TAG	MFGR / MODEL	INLET SIZE	NUMBER OF DRAINS SERVED	ELECTRICAL DATA		LABEL	REMARKS
				WATTS	VOLTS/PH		
TP-1	PPP / MPB-500-115V	1/2"	PER DWGS	6.3	120/1	UL, UPC	ELECTRONIC TRAP PRIMER WITH RECESS MOUNTING BOX AND ACCESS DOOR, 1" AIR GAP, MANUAL TEST AND OVER RIDE SWITCH, PPP MODEL DU-U DISTRIBUTION UNIT AS REQUIRED

### TEMPERING VALVE SCHEDULE

TAG	MFGR / MODEL	INLETS SIZE	OUTLET SIZE	FLOW RATE AT 5 PSI (GPM)	CV	CONSTRUCTION	ELECTRICAL DATA		LABEL	REMARKS
							AMPS	VOLTS/PH		
TV-1	HEAT TIMER / ETV-PLUS	1"	1"	26	12	STAINLESS STEEL	0.40 AMPS	120/1	ASSE 1017, NSF	SET OUTLET TEMPERATURE FOR 120°F, LEAD FREE, CONTROL MODULE, COLD WATER PROBE, HOT WATER PROBE AND MIX WATER PROBE

### MECHANICAL SHEET INDEX

- M0.01 MECHANICAL SCHEDULES
- M0.02 MECHANICAL SCHEDULES
- M0.03 MECHANICAL SCHEDULES
- M0.04 MECHANICAL SPECIFICATIONS
- M0.05 MECHANICAL SPECIFICATIONS
- M1.01 UNDERSLAB PLUMBING PLAN
- M1.02 PLUMBING PLAN
- M2.01 HEATING PLAN
- M3.01 VENTILATION PLAN
- M4.01 MECHANICAL ROOF PLAN
- M5.01 ENLARGED MECHANICAL ROOM PLAN
- M6.01 SECTIONS
- M7.01 DIAGRAMS
- M7.02 DIAGRAMS
- M7.02 DIAGRAMS
- M8.01 DETAILS
- M8.02 DETAILS
- M8.03 DETAILS



CERTIFICATE OF AUTHORIZATION NO: T3 ALASKA, LLC AECL #: 1625

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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

#### REVISION SCHEDULE

#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN KMR  
 REVIEWED ACT

SHEET NAME  
 MECHANICAL  
 SCHEDULES

SHEET NO.  
**M0.01**



CERTIFICATE OF AUTHORIZATION NO: T3 ALASKA, LLC AECL #: 1625



ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA Review Responses	02.04.2026
2	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
DRAWN	KMR
REVIEWED	ACT

SHEET NAME  
MECHANICAL  
SCHEDULES

SHEET NO.  
**M0.02**

### ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AAV	AUTOMATIC AIR VENT
AFT	AVERAGE FLUID TEMPERATURE
AL	ALUMINUM
AMB	AMBIENT
AMPS	AMPERES
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
Cu	COPPER
CW	COLD WATER
Ø	DIAMETER
DIA	DIAMETER
DB	DRY BULB
DEG	DEGREE
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
EFT	ENTERING FLUID TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMPERATURE
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FLA	FULL LOAD AMPERES
FPD	FLUID PRESSURE DROP
FPF	FINS PER FOOT
FPM	FEET PER MINUTE
FT	FEET
G	NATURAL GAS
GA	GAUGE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
H	HEIGHT
HD	HEAD
HGR	HEATING GLYCOL RETURN
HGS	HEATING GLYCOL SUPPLY
HR	HOUR
HW	HOT WATER
HWC	HOT WATER CIRCULATED
HP	HORSEPOWER
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
IMC	INTERNATIONAL MECHANICAL CODE
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LDB	LEAVING DRY BULB TEMPERATURE
LF	LINEAL FEET
LFT	LEAVING FLUID TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MFGR	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MOP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE GAS
NC	NOISE CRITERIA
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NO.	NUMBER
NOM	NOMINAL
NSF	NATIONAL SANITARY FOUNDATION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OPD	OVERCURRENT PROTECTION DEVICE
OSD	OVERFLOW STORM DRAIN
PD	PRESSURE DROP
P.G.	PROPYLENE GLYCOL
PH	PHASE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
SD	STORM DRAIN
SP	STATIC PRESSURE
SQ	SQUARE
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UPC	UNIFORM PLUMBING CODE
V	VENT
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
WC	WATER COLUMN
WG	WATER GAUGE
WCO	WALL CLEAN OUT
W	WASTE
WB	WET BULB
WPD	WATER PRESSURE DROP
YCO	YARD CLEAN OUT

### PUMP SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	FLOW RATE (GPM)	HEAD (FEET)	MOTOR DATA			REMARKS
						RPM	HP	VOLTS/PH	
BC-1	TACO / VR-15L	BOILER CIRCULATION	50% P.G.	20.0	10.0	2,500	0.4	208/1	EC MOTOR
BC-2	TACO / VR-15L	BOILER CIRCULATION	50% P.G.	20.0	10.0	2,500	0.4	208/1	EC MOTOR
CP-1A	TACO / VR-15M	BUILDING HEAT CIRCULATION	50% P.G.	24.0	31.5	3,500	0.6	208/1	EC MOTOR
CP-1B	TACO / VR-15M	BUILDING HEAT CIRCULATION	50% P.G.	24.0	31.5	3,500	0.6	208/1	EC MOTOR, STANDBY FOR CP-1A
CP-2A	TACO / VR-15M	HEAT EXCHANGER CIRCULATION	50% P.G.	23.0	26.0	3,600	0.6	208/1	EC MOTOR
CP-2B	TACO / VR-15M	HEAT EXCHANGER CIRCULATION	50% P.G.	23.0	26.0	3,600	0.6	208/1	EC MOTOR, STANDBY FOR CP-2A
DCP-1A	TACO / 0011-SF4	WATER STORAGE TANK CIRCULATION	WATER	8.5	10.0	3,250	1/8	120/1	RATED FOR OPEN SYSTEMS, LEAD FREE, NSF LABELED
DCP-1B	TACO / 0011-SF4	WATER STORAGE TANK CIRCULATION	WATER	8.5	10.0	3,250	1/8	120/1	STANDBY FOR DCP-1A, RATED FOR OPEN SYSTEMS, LEAD FREE, NSF LABELED
DCP-2	TACO / 0011-SF4	DOMESTIC HOT WATER CIRCULATION	WATER	5.3	18.5	3,250	1/8	120/1	RATED FOR OPEN SYSTEMS, LEAD FREE, NSF LABELED

### AIR SEPARATOR SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	FLOW RATE (GPM)	WPD (FT HD)	INLET/OUTLET SIZE	DIMENSIONS	LABEL	REMARKS
AS-1	SPIROTHERM / VDT-200	BUILDING HEAT HYDRONIC SYSTEM	50% P.G.	41.8	<1.0'	2"	25.3"H x 6.3"Ø	ASME	COMBINATION AIR AND DIRT SEPARATOR WITH AUTO AIR VENT AND MAGNET

### BOILER SCHEDULE

TAG	MFGR / MODEL	TYPE	FLUID	FUEL	BURNER INPUT (MBH)	GROSS OUTPUT (MBH)	ELECTRICAL DATA		LABEL	REMARKS
							FLA	VOLTS/PH		
BLR-1	LOCHINVAR / FTX400N	STAINLESS STEEL	50% P.G.	NATURAL GAS	399	391	4.0	120/1	ASME	WITH TRIM PER INTERNATIONAL MECHANICAL CODE CHAPTER 10, 180°F OPERATING SETPOINT
BLR-2	LOCHINVAR / FTX400N	STAINLESS STEEL	50% P.G.	NATURAL GAS	399	391	4.0	120/1	ASME	WITH TRIM PER INTERNATIONAL MECHANICAL CODE CHAPTER 10, 180°F OPERATING SETPOINT

### HEAT EXCHANGER SCHEDULE

TAG	MFGR / MODEL	TYPE	FLOW ARRANGEMENT	PLATE OVERSURFACING	HOT SIDE						COLD SIDE						REMARKS		
					FLUID	FLOW RATE (GPM)	FPD (FT HD)	EFT	APPROX LFT	CONN SIZE	MIN. HEAT EXCHANGED (MBH)	FLUID	FLOW RATE (GPM)	FPD (FT HD)	APPROX EFT	LFT		CONN SIZE	
HE-1	TACO / TB10T48	BRAZED PLATE	COUNTER-FLOW	21%	50% P.G.	23.0	<7.0'	170°F	128°F	1"	425.0	WATER	8.5	<1.5'	40°F	140°F	1"	UL	SINGLE WALL

### BASEBOARD SCHEDULE

TAG	MFGR / MODEL	OUTPUT (BTU/H/FT)	FLUID	EFT	LFT	TUBE SIZE	ELEMENT FIN SIZE	FIN PER FOOT	FIN THICKNESS	NUMBER OF TIERS	ENCLOSURE THICKNESS	ENCLOSURE HEIGHT	MOUNTING HEIGHT	COLOR	REMARKS
BB-1	STERLING / JVK-T14K-R02	830	50% P.G.	170°F	150°F	3/4"Ø Cu	2-1/2" x 2-3/4"	60	0.010" AL	2	16 GA	14"	16"	PER ARCH	OUTPUT SCHEDULED BASED ON WATER AT 160°F AVERAGE

### UNIT HEATER SCHEDULE

TAG	MFGR / MODEL	CAPACITY (MBH)	FLUID	FLOW RATE (GPM)	FPD (FT HD)	EFT	LFT	AIRFLOW (CFM)	MINIMUM BRANCH PIPING SIZE	MOTOR DATA		WEIGHT (LBS)	COLOR	REMARKS
										HP	VOLTS/PH			
UH-1	MODINE / HC-18	8.5	50% P.G.	1.3	<1'	170°F	150°F	340	3/4"	1/60	120/1	16	---	---
UH-2	MODINE / HC-33	14.6	50% P.G.	2.3	<1'	170°F	150°F	630	3/4"	1/25	120/1	34	---	---
CUH-1	MODINE / CW-003	14.9	50% P.G.	2.2	<1'	170°F	150°F	330	3/4"	1/30	120/1	90	PER ARCH	RECESSED WALL MOUNT WITH FRAME, AIR FLOW ARRANGEMENT 98
CUH-2	MODINE / CW-003	14.9	50% P.G.	2.2	<1'	170°F	150°F	330	3/4"	1/30	120/1	90	PER ARCH	RECESSED CEILING MOUNT WITH FRAME, AIR FLOW ARRANGEMENT 58

### ELECTRIC CABINET UNIT HEATER SCHEDULE

TAG	MFGR / MODEL	OUTPUT (WATTS)	AIRFLOW (CFM)	TEMP RISE	ELECTRICAL DATA		COLOR	LABEL	REMARKS
					AMPS	VOLTS/PH			
ECUH-1	QMARK / EFF1500	1,500	150	31.6°F	12.5	120/1	PER ARCH	UL	RECESSED CEILING MOUNTED, WITH QMARK M601W WALL MOUNT THERMOSTAT, MODIFY INTEGRAL THERMOSTAT FOR REMOTE WALL MOUNT THERMOSTAT OPERATION PER MANUFACTURER'S INSTRUCTIONS

### RADIANT CEILING PANEL SCHEDULE

TAG	MFGR / MODEL	PANEL SIZE	PASSES	OUTPUT (BTUH)	FLUID	FLOW RATE (GPM)	FPD (FT HD)	EFT	LFT	REMARKS
RP-1	TWA PANEL SYSTEMS	24" x 48"	6	1,320	50% P.G.	PER DWGS	<0.6'	170°F	150°F	MODULAR PANEL, FOR T-BAR CEILING MOUNTING, SILK SCREEN PANEL TO MATCH CEILING
RP-2	TWA PANEL SYSTEMS	24" x 24"	6	660	50% P.G.	PER DWGS	<0.3'	170°F	150°F	MODULAR PANEL, FOR T-BAR CEILING MOUNTING, SILK SCREEN PANEL TO MATCH CEILING
RP-3	TWA PANEL SYSTEMS	30" WIDTH	10	523/L.F.	50% P.G.	PER DWGS	<0.5'	170°F	150°F	LINEAR PANEL, FOR T-BAR CEILING MOUNTING, SEE PLANS FOR PANEL LENGTH
RP-4	TWA PANEL SYSTEMS	30" WIDTH	10	523/L.F.	50% P.G.	PER DWGS	<0.8'	170°F	150°F	LINEAR PANEL, FOR T-BAR CEILING MOUNTING, SEE PLANS FOR PANEL LENGTH

### LOUVER SCHEDULE

TAG	MFGR / MODEL	SERVICE	MATERIAL	FINISH	FACE SIZE (INCHES)	FREE AREA (SQ. FT.)	REMARKS
LVR-1	RUSKIN / ELF6375DX	MECHANICAL ROOM INTAKE	ALUMINUM	PER ARCH	20"W X 48"H	3.54	DRAINABLE, WITH BIRDSCREEN
LVR-2	RUSKIN / ELF6375DX	MECHANICAL ROOM RELIEF	ALUMINUM	PER ARCH	40"W X 38"H	5.71	DRAINABLE, WITH BIRDSCREEN

### ROOFTOP HVAC UNIT SCHEDULE

TAG	MFGR / MODEL	AIRFLOW (CFM)	ESP (IN WG)	COOLING					HEATING			ELECTRICAL DATA				UNIT WEIGHT (LBS)	REMARKS		
				REFRIGERANT	TONS	EDB	EWB	LDB	AMB TEMP	FUEL TYPE	INPUT (MBH)	OUTPUT (MBH)	TEMP RISE	MCA	MOCP			VOLTS/PH	SCCR RATING
RTU-1	AAON / RQA-005	2,140	0.80"	R-454B	5	71°F	59°F	51°F	75°F	NATURAL GAS	60.0	48.6	20°F	33	50	208/3	35 kA	970	100% ECONOMIZER WITH BAROMETRIC RELIEF, DRY BULB CONTROLLER, MODULATING BURNER (10-1), 2" MERV8 AND 4" MERV13 FILTERS, FACTORY CURB, BUILT UP CURB AS REQUIRED, INTEGRAL CONTROLS, 7-DAY PROGRAMMABLE THERMOSTAT, CIRCUIT BREAKER, UNPOWERED CONVENIENCE OUTLET, SET MINIMUM OUTSIDE AIR AT 350 CFM

### FAN SCHEDULE

TAG	MFGR / MODEL	SERVICE	FAN TYPE	AIRFLOW (CFM)	ESP (IN WG)	DRIVE	SONES	MOTOR DATA		LABEL	REMARKS
								HP	VOLTS/PH		
EF-1	GREENHECK / CUE-140-VG	KH-1 EXHAUST	UPBLAST	1,970	1.00"	DIRECT	<20	3/4	120/1	UL	ECM, SPEED CONTROLLER, INTERLOCKED WITH KH-1, LISTED FOR GREASE EXHAUST, GREASE TRAP, VENTED ROOF CURB, BUILT UP CURB AS REQUIRED, HINGED MOUNT, FACTORY PROVIDED DISCONNECT SWITCH
EF-2	GREENHECK / CUE-140-VG	KH-2 EXHAUST	UPBLAST	1,970	1.00"	DIRECT	<20	3/4	120/1	UL	ECM, SPEED CONTROLLER, INTERLOCKED WITH KH-2, LISTED FOR GREASE EXHAUST, GREASE TRAP, VENTED ROOF CURB, BUILT UP CURB AS REQUIRED, HINGED MOUNT, FACTORY PROVIDED DISCONNECT SWITCH
EF-3	GREENHECK / CUE-140-VG	KH-3 EXHAUST	UPBLAST	1,970	1.00"	DIRECT	<20	3/4	120/1	UL	ECM, SPEED CONTROLLER, INTERLOCKED WITH KH-3, LISTED FOR GREASE EXHAUST, GREASE TRAP, VENTED ROOF CURB, BUILT UP CURB AS REQUIRED, HINGED MOUNT, FACTORY PROVIDED DISCONNECT SWITCH
EF-4A	GREENHECK / CUE-140-VG	KH-4A EXHAUST	UPBLAST	1,910	1.00"	DIRECT	<20	3/4	120/1	UL	ECM, SPEED CONTROLLER, INTERLOCKED WITH KH-4A, LISTED FOR GREASE EXHAUST, GREASE TRAP, VENTED ROOF CURB, BUILT UP CURB AS REQUIRED, HINGED MOUNT, FACTORY PROVIDED DISCONNECT SWITCH
EF-4B	GREENHECK / CUE-140-VG	KH-4B EXHAUST	UPBLAST	1,910	1.00"	DIRECT	<20	3/4	120/1	UL	ECM, SPEED CONTROLLER, INTERLOCKED WITH KH-4B, LISTED FOR GREASE EXHAUST, GREASE TRAP, VENTED ROOF CURB, BUILT UP CURB AS REQUIRED, HINGED MOUNT, FACTORY PROVIDED DISCONNECT SWITCH
EF-5	GREENHECK / CUE-130-VG	KH-5 EXHAUST	UPBLAST	1,600	1.00"	DIRECT	<20	3/4	120/1	UL	ECM, SPEED CONTROLLER, INTERLOCKED WITH KH-5, ROOF CURB, BUILT UP CURB AS REQUIRED, HINGED MOUNT, FACTORY PROVIDED DISCONNECT SWITCH
EF-6	GREENHECK / SP-AP0511W-1	TOILET ROOM	CENTRIFUGAL	80	0.50"	DIRECT	<5.0	FR	120/1	UL	30 CFM CONSTANT FLOW, BOOST FLOW AS SCHEDULED, INTEGRAL MOTION SENSOR
EF-7	GREENHECK / SP-AP0511W-1	JANITOR ROOM	CENTRIFUGAL	80	0.50"	DIRECT	<5.0	FR	120/1	UL	30 CFM CONSTANT FLOW, BOOST FLOW AS SCHEDULED, INTEGRAL MOTION SENSOR
VF-1	GREENHECK / SS1-14-436-A3	MECHANICAL RM	PROPELLER	2,000	0.375"	DIRECT	<15	1/3	120/1	UL	SUPPLY CONFIGURATION, OSHA MOTOR GUARD, SOLID STATE SPEED CONTROLLER FOR BALANCING, MIX BOX WITH ECONOMIZER DAMPER, ON-OFF VIA WALL MOUNTED REVERSE ACTING THERMOSTAT

### KITCHEN HOOD SCHEDULE

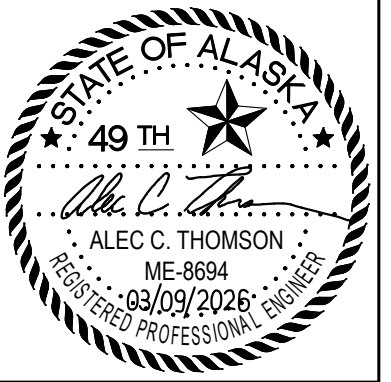
TAG	MFGR / MODEL	SERVICE	CLASS	AIRFLOW (CFM)	SP AT COLLAR (IN WG)	ASSOCIATED FAN	DIMENSIONS		LABEL	REMARKS
							LENGTH x WIDTH x HEIGHT			
KH-1	GREENHECK / GHEW-120-S	COOKLINE A	TYPE 1	1,970	0.51"	EF-1	120" x 54" x 24"		UL	LISTED FOR GREASE AND HIGH HEAT APPLIANCES, PRE-PIPED FOR ANSUL FIRE SUPPRESSION SYSTEM, PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR TYPE-1 HOOD, TEMPERATURE SENSOR FOR CONNECTION TO KITCHEN VENTILATION CONTROL SYSTEM, INTERLOCK WITH ASSOCIATED EXHAUST FAN
KH-2	GREENHECK / GHEW-120-S	COOKLINE B	TYPE 1	1,970	0.51"	EF-2	120" x 54" x 24"		UL	LISTED FOR GREASE AND HIGH HEAT APPLIANCES, PRE-PIPED FOR ANSUL FIRE SUPPRESSION SYSTEM, PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR TYPE-1 HOOD, TEMPERATURE SENSOR FOR CONNECTION TO KITCHEN VENTILATION CONTROL SYSTEM, INTERLOCK WITH ASSOCIATED EXHAUST FAN
KH-3	GREENHECK / GHEW-120-S	COOKLINE C	TYPE 1	1,970	0.51"	EF-3	120" x 54" x 24"		UL	LISTED FOR GREASE AND HIGH HEAT APPLIANCES, PRE-PIPED FOR ANSUL FIRE SUPPRESSION SYSTEM, PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR TYPE-1 HOOD, TEMPERATURE SENSOR FOR CONNECTION TO KITCHEN VENTILATION CONTROL SYSTEM, INTERLOCK WITH ASSOCIATED EXHAUST FAN
KH-4A	GREENHECK / GHEW-102-S	COOKLINE D1	TYPE 1	1,910	0.52"	EF-4A	102" x 54" x 24"		UL	LISTED FOR GREASE AND HIGH HEAT APPLIANCES, PRE-PIPED FOR ANSUL FIRE SUPPRESSION SYSTEM, PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR TYPE-1 HOOD, TEMPERATURE SENSOR FOR CONNECTION TO KITCHEN VENTILATION CONTROL SYSTEM, INTERLOCK WITH ASSOCIATED EXHAUST FAN
KH-4B	GREENHECK / GHEW-102-S	COOKLINE D1	TYPE 1	1,910	0.52"	EF-4B	102" x 54" x 24"		UL	LISTED FOR GREASE AND HIGH HEAT APPLIANCES, PRE-PIPED FOR ANSUL FIRE SUPPRESSION SYSTEM, PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR TYPE-1 HOOD, TEMPERATURE SENSOR FOR CONNECTION TO KITCHEN VENTILATION CONTROL SYSTEM, INTERLOCK WITH ASSOCIATED EXHAUST FAN
KH-5	GREENHECK / GO-96-S	COOKLINE D2	TYPE 2	1,600	0.50"	EF-5	96" x 54" x 24"		UL	TEMPERATURE SENSOR FOR CONNECTION TO KITCHEN VENTILATION CONTROL SYSTEM, INTERLOCK WITH ASSOCIATED EXHAUST FAN

### DIRECT FIRED MAKEUP AIR UNIT SCHEDULE

TAG	MFGR / MODEL	SERVICE	FUEL	INPUT (MBH)	OUTPUT (MBH)	TEMP RISE	AIRFLOW (CFM)	ESP (IN WG)	MOTOR DATA		REMARKS
									HP	VOLTS/PH	
MAU-1	GREENHECK / DGX-P116-H12-D1-3	KITCHEN A GREASE HOOD MAKE UP	NATURAL GAS	231.3	212.8	100°F	1,970	0.25"	3/4	230/1	INTERLOCK WITH EF-1, KITCHEN VENTILATION CONTROL SYSTEM, FACTORY VFD, MODULATING DIRECT FIRED GAS BURNER, HINGED ACCESS DOORS, MERV 8 FILTERS, LOW LEAK INLET DAMPER, INLET HOOD WITH SCREEN, UNPOWERED CONVENIENCE OUTLET, FACTORY MOUNTED DISCONNECT, HEATING INLET AIR SENSOR, ROOF CURB, BUILT UP CURB AS REQUIRED
MAU-2	GREENHECK / DGX-P116-H12-D1-3	KITCHEN B GREASE HOOD MAKE UP	NATURAL GAS	231.3	212.8	100°F	1,970	0.25"	3/4	230/1	INTERLOCK WITH EF-2, KITCHEN VENTILATION CONTROL SYSTEM, FACTORY VFD, MODULATING DIRECT FIRED GAS BURNER, HINGED ACCESS DOORS, MERV 8 FILTERS, LOW LEAK INLET DAMPER, INLET HOOD WITH SCREEN, UNPOWERED CONVENIENCE OUTLET, FACTORY MOUNTED DISCONNECT, HEATING INLET AIR SENSOR, ROOF CURB, BUILT UP CURB AS REQUIRED
MAU-3	GREENHECK / DGX-P116-H12-D1-3	KITCHEN C GREASE HOOD MAKE UP	NATURAL GAS	231.3	212.8	100°F	1,970	0.25"	3/4	230/1	INTERLOCK WITH EF-3, KITCHEN VENTILATION CONTROL SYSTEM, FACTORY VFD, MODULATING DIRECT FIRED GAS BURNER, HINGED ACCESS DOORS, MERV 8 FILTERS, LOW LEAK INLET DAMPER, INLET HOOD WITH SCREEN, UNPOWERED CONVENIENCE OUTLET, FACTORY MOUNTED DISCONNECT, HEATING INLET AIR SENSOR, ROOF CURB, BUILT UP CURB AS REQUIRED
MAU-4	GREENHECK / DGX-P116-H12-D1-5	KITCHEN D GREASE HOOD MAKE UP	NATURAL GAS	400.0	368.0	100°F	3,820	0.25"	3	230/1	INTERLOCK WITH EF-4A & EF-4B, KITCHEN VENTILATION CONTROL SYSTEM, FACTORY VFD, MODULATING DIRECT FIRED GAS BURNER, HINGED ACCESS DOORS, MERV 8 FILTERS, LOW LEAK INLET DAMPER, INLET HOOD WITH SCREEN, UNPOWERED CONVENIENCE OUTLET, FACTORY MOUNTED DISCONNECT, HEATING INLET AIR SENSOR, ROOF CURB, BUILT UP CURB AS REQUIRED
MAU-5	GREENHECK / DGX-P116-H12-D1-3	KITCHEN D TYPE 2 HOOD MAKE UP	NATURAL GAS	187.8	172.8	100°F	1,600	0.25"	3/4	230/1	INTERLOCK WITH EF-5, KITCHEN VENTILATION CONTROL SYSTEM, FACTORY VFD, MODULATING DIRECT FIRED GAS BURNER, HINGED ACCESS DOORS, MERV 8 FILTERS, LOW LEAK INLET DAMPER, INLET HOOD WITH SCREEN, UNPOWERED CONVENIENCE OUTLET, FACTORY MOUNTED DISCONNECT, HEATING INLET AIR SENSOR, ROOF CURB, BUILT UP CURB AS REQUIRED

### GRILLE - REGISTER - DIFFUSER SCHEDULE

TAG	MFGR / MODEL	TYPE	SERVICE	MATERIAL	FINISH	FACE SIZE (INCHES)	NECK SIZE (INCHES)	THROW	NC	REMARKS
SB	TITUS / TMSA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	24/24	8"Ø	4-WAY	<30	WITH 24/24 MODULE, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
SC	TITUS / TBDI-30	DIFFUSER	S/A	STEEL	WHITE	4/1 SLOT	8"Ø	2-WAY	<30	1" SLOTS, FRAME FOR T-BAR CEILING, INSULATED PLENUM, NOTCHED FRAME WHERE DIFFUSERS ARE PERPENDICULAR TO GRID'S LONG DIMENSION
RA	TITUS / 45F	GRILLE	R/A	ALUMINUM	WHITE	22/22	---	---	<30	FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
RB	TITUS / TBR-30	DIFFUSER	R/A	STEEL	WHITE	4/1 SLOT	---	---	<30	1" SLOTS, FRAME FOR T-BAR CEILING, INSULATED PLENUM, NOTCHED FRAME WHERE DIFFUSERS ARE PERPENDICULAR TO GRID'S LONG DIMENSION



CERTIFICATE OF AUTHORIZATION NO: T3 ALASKA, LLC AECL #: 1625

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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN KMR  
 REVIEWED ACT

SHEET NAME  
 MECHANICAL  
 SCHEDULES

SHEET NO.  
**M0.03**

**SPECIFICATIONS**

**GENERAL**

- 01 THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY FOR THE INSTALLATION OF COMPLETE AND OPERABLE MECHANICAL SYSTEMS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS.
- 02 THE PLANS ARE PARTLY DIAGRAMMATIC, NOT NECESSARILY SHOWING ALL OFFSETS AND FITTINGS OR EXACT LOCATIONS OF PIPING AND DUCTS UNLESS SPECIFICALLY DIMENSIONED. PROVIDE FITTINGS, OFFSETS, AND ACCESSORIES AS REQUIRED TO INSTALL THE WORK.

**CODES AND STANDARDS**

- 01 ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE, TITLE 23:
  - INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION.
  - INTERNATIONAL MECHANICAL CODE (IMC), 2018 EDITION.
  - INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION.
  - INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2018 EDITION.
  - UNIFORM PLUMBING CODE (UPC), 2018 EDITION.
  - NATIONAL ELECTRICAL CODE (NEC), 2020 EDITION.
  - ALASKA STATUTES, TITLE 18, CHAPTER 60 - BOILER AND UNFIRED PRESSURE VESSELS.
- 02 SHEET METAL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS.
- 03 AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADA).
- 04 ASHRAE STANDARD 90.1-2022: ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS.
- 05 AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE/SEI 7-10: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

**PERMITS**

- 01 THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS AND FEES.

**WARRANTY**

- 01 ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM ACCEPTANCE.
- 02 ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD.

**PRODUCTS**

- 01 ALL PRODUCTS SHALL BE NEW AND UNUSED, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND IN THE BEST PRACTICE OF THE CRAFT.
- 02 PRODUCTS SHALL BE SPECIFICALLY DESIGNED AND LISTED FOR THE TYPE OF OPERATION OR SERVICE FOR THE SYSTEMS IN WHICH THEY ARE BEING INSTALLED.
- 03 ALL PRODUCTS SHALL BE ASBESTOS FREE AND LEAD FREE.
- 04 OBTAIN OWNER'S APPROVAL OF ALL PRODUCTS PRIOR TO ORDERING OR INSTALLING ANY PART OF ANY SYSTEM.

**PRODUCT SUBSTITUTIONS**

- 01 ALL EQUIPMENT LISTED IS REPRESENTATIVE OF THE STANDARD OF QUALITY AND PERFORMANCE REQUIRED.
- 02 SUBSTITUTED EQUIPMENT, SUCH AS PUMPS AND FANS, SHALL BE SELECTED IN THE MIDDLE OF THE EQUIPMENT'S RECOMMENDED OPERATION RANGE TO ALLOW INCREASE OR DECREASE FIELD ADJUSTMENTS OF UNITS' OPERATION IF NEEDED.
- 03 "APPROVED EQUAL" SUBSTITUTIONS WILL BE CONSIDERED IF THE SUBSTITUTES ARE SHOWN TO BE EQUAL OR BETTER QUALITY, INCLUDING EFFICIENCY OF PERFORMANCE, SIZE AND WEIGHT.
- 04 WHERE ACCEPTED SUBSTITUTED EQUIPMENT VARIES IN SIZE AND/OR CONFIGURATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CHANGES.

**PRODUCT SUBMITTALS**

- 01 THE CONTRACTOR SHALL SUBMIT THE MECHANICAL SYSTEM'S EQUIPMENT AND MATERIALS AS AN ELECTRONIC PDF FILE FOR REVIEW. THE SUBMITTAL PRODUCT DATA PDF SHALL BE ARRANGED IN BASIC CSI CATEGORIES AND BOOKMARKED SEPARATING CATEGORIES, EQUIPMENT, AND DRAWINGS UNDER BASIC CATEGORIES. THE PDF SHALL BE LIMITED ONLY TO PRODUCT DATA RELEVANT FOR REVIEW.
- 02 THE PRODUCT DATA SHALL BE CLEARLY MARKED TO INDICATE THE PROPOSED PRODUCT.
- 03 THE PRODUCT DATA SHALL CLEARLY IDENTIFY AND INDICATED VARIATIONS OR DEVIATIONS FROM SPECIFIED OR SCHEDULED EQUIPMENT INCLUDING DEVIATIONS FROM ANY REQUIRED SEQUENCE OF OPERATION.
- 04 INCLUDE COLOR SELECTION CHARTS WITH PRODUCTS REQUIRING COLOR SELECTION.
- 05 ALL PRODUCT DATA SHALL BE SUBMITTED AT ONE TIME. PARTIAL SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
- 05 PROVIDE A SUBMITTAL REGISTER FOR REVIEW AND APPROVAL AT START OF PROJECT.

**OPERATION AND MAINTENANCE MANUAL**

- 01 PROVIDE THE OWNER WITH AN OPERATION AND MAINTENANCE MANUAL.
- 02 INCLUDE MANUFACTURER'S SPECIFICATIONS, OPERATING AND MAINTENANCE INSTRUCTIONS, WARRANTY INFORMATION ON EACH PIECE OF EQUIPMENT, START-UP REPORTS, TESTING REPORTS, BALANCE REPORT, SCHEMATIC DIAGRAMS OF CONTROL SYSTEMS, A SOURCE OF SUPPLY FOR SPARE PARTS, AND AS-BUILTS.

**EQUIPMENT INSTALLATION**

- 01 INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDED SERVICE CLEARANCES.
- 02 PROVIDE ALL MISCELLANEOUS MATERIALS, APPURTENANCES, ACCESSORIES, SUPPORTS, AND CONTROL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING PIECE OF EQUIPMENT.

**ACCESS**

- 01 PROVIDE WORKABLE ACCESS TO ALL SERVICEABLE AND/OR OPERABLE EQUIPMENT.
- 02 PROVIDE ACCESS DOOR OF REQUIRED RATING FOR ACCESS TO ALL SERVICEABLE AND/OR OPERABLE EQUIPMENT LOCATED ABOVE HARD CEILING OR IN WALLS.

**PENETRATIONS**

- 01 PIPING SLEEVES THROUGH NON-FIRE RATED ASSEMBLIES SHALL BE 1/8 GAUGE MINIMUM GALVANIZED STEEL.
- 02 PIPING PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PREMANUFACTURED, UL LISTED ASSEMBLIES.
- 03 PENETRATIONS THROUGH SMOKE BARRIERS AND/OR SMOKE PARTITIONS SHALL BE SMOKE TIGHT.
- 04 PROVIDE ESCUTCHEONS ON PIPE AND DUCT PENETRATIONS IN NORMALLY OCCUPIED AREAS WHERE EXPOSED TO VIEW AND AS INDICATED ON THE DRAWINGS.

**SUPPORTS AND ANCHORS**

- 01 PIPING, DUCTWORK, AND EQUIPMENT SHALL BE ADEQUATELY SUPPORTED IN ACCORDANCE WITH CODE REQUIREMENTS, SEISMIC REQUIREMENTS AND GOOD PRACTICE.
- 02 PIPING SUPPORTS SHALL BE CARBON STEEL, ADJUSTABLE SWIVEL HANGERS WITH THREADED ROD SUPPORT.
- 03 INSULATED PIPING SHALL BE ROUTED THROUGH HANGERS AND PROVIDED WITH SHEET METAL INSULATION PROTECTION SADDLES.
- 04 ALL SUPPORTS SHALL BE SECURED TO BUILDING STRUCTURAL ELEMENTS.
- 05 EQUIPMENT CURB SUPPORTS SHALL BE PREMANUFACTURED OR CONTRACTOR FABRICATED WITH APPROPRIATE FLASHING IN ACCORDANCE WITH ROOFING SYSTEM MANUFACTURER'S REQUIREMENTS.
- 06 PIPE ANCHORS SHALL BE CONTRACTOR FABRICATED AND SECURED TO BUILDING STRUCTURE TO RESIST PIPING MOVEMENT.

**SEISMIC RESTRAINT**

- 01 EQUIPMENT, PIPING, AND DUCTWORK SYSTEMS SHALL BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND ASCE 7-10, CHAPTER 13; AND THE MUNICIPALITY OF ANCHORAGE REQUIREMENTS.
- 02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEISMIC RESTRAINT DESIGN FOR ALL EQUIPMENT, PIPING, AND DUCTWORK SYSTEMS USING PREMANUFACTURED SYSTEMS, AMBER BOOTH OR APPROVED EQUAL, OR BY RETAINING THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER LICENSED BY THE STATE OF ALASKA.
- 03 THE CONTRACTOR SHALL PROVIDE STRUCTURAL ENGINEERING CALCULATIONS AND SHOP DRAWINGS OF THE PROPOSED RESTRAINT SYSTEMS FOR REVIEW AND APPROVAL BASED ON ACTUAL EQUIPMENT, ACTUAL PIPING LAYOUT, AND ACTUAL DUCT LAYOUT TO BE USED ON THE PROJECT TO THE MUNICIPALITY OF AS A DEFERRED SUBMITTAL.

**MECHANICAL IDENTIFICATION**

- 01 PIPING SHALL BE PROVIDED WITH IDENTIFICATION.
- 02 EQUIPMENT IN NORMALLY NON-OCCUPIED SPACES OR CONCEALED IN NORMALLY OCCUPIED SPACES SHALL BE PROVIDED WITH IDENTIFICATION.
- 03 PIPING, CONCEALED OR EXPOSED, SHALL BE LABELED WITH ADHESIVE BACKED WRAP AROUND PIPE MARKERS, INDICATING SERVICE AND FLOW DIRECTION. LABELS BE SHALL BE READABLE FROM FLOOR, AT LEAST ONCE IN EVERY ROOM, NOT MORE THAN 20 FEET ON CENTER AND AT EACH SIDE OF WALL, FLOOR, AND CEILING PENETRATIONS. COLOR SCHEME IN ACCORDANCE WITH ANSI A13.1.
- 04 EQUIPMENT SHALL BE LABELED WITH HEAT RESISTANT LAMINATED THREE LAYER PLASTIC NAMEPLATES. PROVIDE WITH ENGRAVED BLACK LETTERS ON LIGHT CONTRASTING BACKGROUND COLOR.

**PIPING**

- 01 UNDERGROUND SANITARY WASTE AND VENT PIPING SHALL BE ASTM A74 HUB AND SPIGOT CAST IRON, OR ASTM A888/CISPI 301 NO-HUB CAST IRON WITH HEAVY DUTY COUPLINGS (HUSKY HD 2000 OR APPROVED EQUAL), ASTM D2661 ABS DWV OR ASTM D2665 SOLID WALL PVC DWV. SLOPE PIPING AT A MINIMUM OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- 02 ABOVEGROUND SANITARY WASTE AND VENT PIPING SHALL BE ASTM A888/CISPI 301 NO-HUB CAST IRON, OR ASTM B306 COPPER DWV, ASTM D2661 ABS DWV OR ASTM D2665 SOLID WALL PVC DWV. SLOPE PIPING AT A MINIMUM OF 1/4" PER FOOT UNLESS OTHERWISE NOTED. NO PLASTIC PIPING ALLOWED IN RETURN AIR PLENUMS. NO EXPOSED PLASTIC PIPING ALLOWED IN FINISHED AREAS OR WITHIN CABINETRY.
- 03 UNDERGROUND STORM DRAINAGE PIPING SHALL BE ASTM A74 HUB AND SPIGOT CAST IRON, OR ASTM A888/CISPI 301 NO-HUB CAST IRON WITH HEAVY DUTY COUPLINGS (HUSKY HD 2000 OR APPROVED EQUAL), SCHEDULE 40 ABS DWV, ASTM D2661 OR SCHEDULE 40 SOLID WALL PVC DWV, DWV ASTM D2665. SLOPE PIPING AT A MINIMUM OF 1/8" PER FOOT UNLESS OTHERWISE NOTED.
- 04 ABOVEGROUND STORM DRAINAGE PIPING SHALL BE ASTM A888/CISPI 301 NO-HUB CAST IRON, ASTM D2661 SCHEDULE 40 ABS DWV OR ASTM D2665 SCHEDULE 40 SOLID WALL PVC DWV. SLOPE PIPING AT A MINIMUM OF 1/8" PER FOOT UNLESS OTHERWISE NOTED. NO PLASTIC PIPING ALLOWED IN RETURN AIR PLENUMS. NO EXPOSED PLASTIC PIPING ALLOWED IN FINISHED AREAS.
- 05 UNDERGROUND WATER SERVICE MAINS SHALL BE COORDINATED WITH CIVIL.
- 06 UNDERGROUND TRAP PRIMER PIPING SERVING FLOOR DRAINS AND ANY FIXTURE WITH TRAP PRIMER CONNECTION INDICATED ON THE DRAWINGS SHALL BE CROSS-LINKED POLYETHYLENE, TYPE PEX, A PIPING, CONTINUOUS WITH NO JOINTS.

- 07 ABOVEGROUND DOMESTIC WATER PIPING SHALL BE ASTM B88 TYPE L COPPER, HARD DRAWN, CROSS-LINKED POLYETHYLENE, TYPE PEX, A, PIPING LISTED FOR POTABLE WATER APPLICATIONS ALLOWED FOR BRANCH CONNECTION TO INDIVIDUAL FIXTURES WITHIN WALLS. JOINTS FOR COPPER PIPES SHALL BE SOLDERED ASTM B32 95-5 TA OR LEAD-FREE OR BRAZED ANSII/AWS A5.8 BCuP. PROGRESS STYLE FITTINGS/JOINTS ALLOWED. PIPING SHALL COMPLY WITH ANSII/NSF 61 AS SUITABLE FOR POTABLE WATER USE. NO PLASTIC PIPING ALLOWED IN RETURN AIR PLENUMS. NO EXPOSED PLASTIC PIPING ALLOWED IN FINISHED AREAS OR WITHIN CABINETRY. PIPE SIZES INDICATED ON DRAWINGS ARE BASED ON NOMINAL COPPER PIPING.

- 08 PROVIDE NSF 61 AND UPC CERTIFIED BRAIDED STAINLESS STEEL FLEXIBLE PIPING FOR FINAL CONNECTIONS AT FAUCETS, APPLIANCES, ETC. LENGTH AS REQUIRED.

- 09 HEATING GLYCOL PIPING SHALL BE ASTM B88 TYPE L COPPER FOR SIZES 3" AND SMALLER AND ASTM A53 SCHEDULE 40 STEEL FOR SIZES 4" AND LARGER. JOINTS FOR COPPER PIPING SHALL BE SOLDERED ASTM B32 95-5 TA OR LEAD-FREE OR BRAZED ANSII/AWS A5.8 BCuP AND FOR STEEL PIPING SCHEDULE 40 STEEL WELDED FITTINGS. PROGRESS STYLE FITTINGS/JOINTS ALLOWED. VICTAULIC NOT ALLOWED.

- 10 UNDER SLAB HEAT PIPING SHALL BE A CROSS-LINKED POLYETHYLENE, TYPE PEX, A WITH AN OXYGEN DIFFUSION BARRIER AND A MAXIMUM WORKING PRESSURE OF 80 PSI AT 200°F. MANUFACTURED IN ACCORDANCE WITH ASTM F876. UPONOR OR APPROVED EQUAL.

- 11 REFRIGERANT PIPING SHALL BE ASTM B280 ACR COPPER TUBING, WITH ASME B16.22 WROUGHT COPPER FITTINGS. JOINTS SHALL BE BRAZED ANSII/AWS A5.8 BCuP. LINESETS ALLOWED.

- 12 CONDENSATE PIPING FROM COOLING SYSTEMS AND AIR HANDLING UNIT COOLING COIL SECTION DRAINS SHALL BE SHALL BE ASTM B88 TYPE L COPPER, HARD DRAWN OR ASTM D1784 SCHEDULE 40 PVC PIPE. JOINTS FOR COPPER PIPES SHALL BE SOLDERED ASTM B32 95-5 TA OR LEAD-FREE OR BRAZED ANSII/AWS A5.8 BCuP. NO PLASTIC PIPING ALLOWED IN RETURN AIR PLENUMS.

- 13 CONDENSATE PIPING FROM CONDENSING APPLIANCES SHALL BE SHALL BE ASTM D1784 SCHEDULE 40 PVC PIPE OR PER APPLIANCE MANUFACTURER'S REQUIREMENTS.

- 14 ABOVEGROUND NATURAL GAS PIPING SHALL BE ASTM A53 SCHEDULE 40 STEEL. THREADED FITTINGS FOR LOW PRESSURE OR VIEGA MEGAPRESS-G SYSTEM. WELDED FITTINGS FOR MEDIUM PRESSURE OR VIEGA MEGAPRESS-G SYSTEM.

- 15 ROUTE PIPES PARALLEL WITH BUILDING LINES UNLESS OTHERWISE INDICATED. CONCEAL ALL PIPING IN FINISHED AREAS UNLESS AUTHORIZED BY OWNER.

- 16 PROVIDE CHROME PLATED SPRING CLIP TYPE ESCUTCHEON PLATES AT EXPOSED WALL, FLOOR AND CEILING PIPE PENETRATIONS AND AT PENETRATIONS WITHIN CABINETS.

- 17 PROVIDE DIELECTRIC UNIONS OR NIPPLES AT PIPING JOINTS BETWEEN DISSIMILAR METALS.

**VALVES**

- 01 ISOLATION VALVES SHALL BE BALL VALVES OR BUTTERFLY VALVES. GATE VALVES AND GLOBE VALVES ARE NOT ACCEPTABLE.
- 02 ISOLATION VALVES SHALL BE FULL LINE SIZE AND FULL PORT.
- 03 VALVES FOR DOMESTIC WATER SYSTEMS SHALL MEET LOW-LEAD CODES AND REGULATIONS.
- 04 STOPS AT FIXTURES SHALL BE LOW LEAD BRASS BODY AND STEM, CHROME PLATED, QUARTER TURN, STRAIGHT OR ANGLED, LOOSE KEY.
- 05 VALVES FOR GAS SERVICE SHALL BE AGA APPROVED.
- 06 BALANCE VALVES SHALL BE B&G CIRCUIT SETTER OR APPROVED EQUAL. BALANCING VALVES ON DOMESTIC WATER SYSTEMS SHALL BE LOW LEAD, NSF-61.

- 07 AUTOMATIC FLOW LIMITING VALVES SHALL BE GRISWOLD OR APPROVED EQUAL. AUTOMATIC FLOW LIMITING VALVES ON DOMESTIC WATER SYSTEMS SHALL BE LOW LEAD, NSF-61.

- 08 CONTROL VALVES SHALL BE BRONZE BODY AND SEAT WITH STAINLESS STEEL STEM AND SCREWED ENDS. ANSI CLASS 250 BODY, SUITABLE FOR FLUID TEMPERATURES OF UP TO 300°F. CONTROL VALVES SHALL BE CORRECTLY SELECTED FOR SERVICE AND FLOW OF THE SYSTEM SERVED. A PRESSURE DROP OF 3 PSI SHALL BE USED FOR SIZING OF MODULATING VALVES. TWO POSITION SHUT/OFF VALVES SHALL BE LINE SIZE AND FULL PORT. PROVIDE ELECTRONIC ACTUATORS WITH SUFFICIENT CLOSE-OFF PRESSURE TO CLOSE VALVE AGAINST SYSTEM PUMP PRESSURE.

- 09 DIFFERENTIAL PRESSURE CONTROL VALVES SHALL BE HONEYWELL BRAUKMANN D146M OR EQUAL.

- 10 PROVIDE ISOLATION VALVES AT PLUMBING FIXTURE GROUPS, PUMPS, TERMINAL HEATING UNITS AND WHERE INDICATED ON DRAWINGS.

- 11 PROVIDE GAS ISOLATION VALVES AT EACH GAS APPLIANCE.

- 12 AT KITCHEN GAS APPLIANCES UNDER HOOD, PROVIDE FLEXIBLE LISTED STAINLESS STEEL CORRUGATED TUBING WITH STAINLESS STEEL BRAID, YELLOW PVC COVERING AND 360° ROTATION SWIVEL END CONNECTIONS, ONE AT EACH END. QUICK DISCONNECT AT APPLIANCE END. YELLOW PVC COVERED RESTRAINING CABLE KIT.

- 13 PROVIDE BALANCE VALVES AT PUMPS AND WHERE INDICATED ON DRAWINGS. INSTALL PER MANUFACTURER'S REQUIREMENTS.

- 14 PROVIDE AUTOMATIC FLOW LIMITING VALVES AT TERMINAL HEATING UNITS AND WHERE INDICATED ON PLANS. PSID RANGE OF FLOW LIMITING CARTRIDGES SHALL BE SELECTED BY MANUFACTURER BASED ON THEIR REVIEW OF THE SYSTEM LAYOUT(S) AND ASSOCIATED PUMP(S). CARTRIDGES FOUND OUT OF RANGE DURING BALANCING SHALL BE CORRECTED BY THE MANUFACTURER, REPLACED, AND INSTALLED AT NO COST. INSTALL PER MANUFACTURER'S REQUIREMENTS. SELECT VALVES WITH A MAXIMUM OF 7.5 FEET HEAD LOSS.

- 15 PRESSURE GAUGES SHALL MEET ASME B40.1 GRADE 1A WITH METAL CASING, BLACK SCALE ON WHITE BACKGROUND AND PSI SCALE. THE INDICATION RANGE SHALL BE SUITABLE FOR APPLICATION.

**PLUMBING**

- 01 PLUMBING EQUIPMENT SHALL BE COMMERCIAL GRADE WITH MANUFACTURER AND MODEL AS INDICATED ON THE EQUIPMENT SCHEDULES OR APPROVED EQUAL.

- 02 PLUMBING FIXTURES SHALL BE COMMERCIAL GRADE WITH MANUFACTURER AND MODEL AS INDICATED ON THE PLUMBING FIXTURE SCHEDULE OR APPROVED EQUAL.

- 03 COORDINATE WITH ARCHITECTURAL PLANS AND ELEVATIONS, CODE REQUIREMENTS AND MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE FINAL PLUMBING FIXTURE AND TRIM LOCATIONS.

- 04 PLUMBING FIXTURES WITH A LEFT-HAND OR RIGHT-HAND CONFIGURATION OPTION SHALL BE COORDINATED WITH THE PLANS.

- 05 FLOOR DRAIN, FLOOR SINKS AND CLEANOUTS INSTALLED IN FLOOR FINISH RP-1 SHALL BE MAKE/MODELS AS APPROVED BY FLOORING MANUFACTURER. FLOOR CLEANOUTS TO BE WATTS CO-200-RFC7 OR APPROVED EQUAL. INSTALL PER FLOORING MANUFACTURER'S REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.

- 06 ADA ACCESSIBLE LAVATORY'S AND SINK'S P-TRAP, ANGLE STOPS, COLD AND HOT WATER PIPING SHALL BE PROVIDED WITH A PREMANUFACTURED SAFETY COVER SYSTEM AND IN ACCORDANCE WITH REQUIREMENTS OF ADA 4.19.4 AND THE UPC. TRUEBRO OR APPROVED EQUAL.

- 07 PROVIDE WATER HAMMER ARRESTOR DEVICES AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY THE UNIFORM PLUMBING CODE. PROVIDE ARRESTORS APPROVED FOR INSTALLATIONS WITH NO ACCESS PANEL REQUIRED.

**HEATING**

- 01 HEATING EQUIPMENT SHALL BE COMMERCIAL GRADE WITH MANUFACTURER AND MODEL AS INDICATED ON THE EQUIPMENT SCHEDULES OR APPROVED EQUAL.

- 02 AUTOMATIC AIR VENTS SHALL BE PROVIDED AT ALL HIGH POINTS OF THE PIPING SYSTEM, HEATING COILS, UNIT HEATERS AND FAN COIL UNITS. MANUAL AIR VENTS SHALL BE PROVIDED AT BASEBOARD.

- 03 LOW POINT DRAINS SHALL BE PROVIDED AT ALL LOW POINTS OF THE PIPING SYSTEMS.

- 04 VENTING PER EQUIPMENT MANUFACTURER'S INSTRUCTIONS. FLUE PIPING SHALL BE LISTED FOR USE WITH CATEGORY IV CONDENSING APPLIANCES AND AS APPROVED BY EQUIPMENT MANUFACTURER.

- 05 BOILER CHIMNEY SHALL BE POSITIVE PRESSURE DOUBLE WALL INSULATED AL 29-4C.

**GLYCOL**

- 01 PROVIDE PRE-MIXED HYDRONIC GRADE PROPYLENE GLYCOL WITH INHIBITORS AT A RATE OF 50% GLYCOL TO 50% WATER FOR A -20°F PROTECTION OR BETTER. DOWFROST HD OR APPROVED EQUAL.

- 02 PROVIDE AN ADDITIONAL 40 GALLONS OF MX AT THE END OF THE PROJECT IN THE GLYCOL MAKE-UP TANK.

- 03 TEST GLYCOL AT PROJECT COMPLETION. TESTING SHALL BE BY THE GLYCOL MANUFACTURER OR AN INDEPENDENT TESTING FACILITY APPROVED BY THE GLYCOL MANUFACTURER. PROVIDE ANY CORRECTIVE ACTIONS RECOMMENDED BY THE TESTING AND RETEST. SUBMIT ALL TEST REPORT(S) TO OWNER AND PROVIDE A RECOMMENDED TESTING SCHEDULE FOR THE OWNER TO FOLLOW.

**VENTILATION**

- 01 VENTILATION SYSTEM SHALL BE PROTECTED DURING CONSTRUCTION PER SMACNA RECOMMENDATIONS. DUCT OPENINGS SHALL BE COVERED DURING CONSTRUCTION TO PREVENT THE ENTRANCE OF DUST AND DEBRIS.

- 02 VENTILATION EQUIPMENT SHALL BE COMMERCIAL GRADE WITH MANUFACTURER AND MODEL AS INDICATED ON THE EQUIPMENT SCHEDULES OR APPROVED EQUAL.

- 03 COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING PLANS TO AVOID CONFLICT.

- 04 DUCT SIZES INDICATED ON THE DRAWINGS REPRESENT THE INSIDE DIMENSIONS. FOR INTERIOR LINED DUCTWORK THE DUCT SHALL BE UP-SIZED TO MAINTAIN INSIDE DIMENSIONS.

- 05 DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. APPLY DUCT MASTIC AT DUCT CONNECTIONS, PLENUM EDGES AND CORNERS.

- 06 DUCTWORK SHALL BE GALVANIZED SHEET METAL, RECTANGULAR OR ROUND AS INDICATED ON PLANS.

- 07 ROUND DUCTWORK IN EXPOSED LOCATIONS SHALL BE SPIRAL TYPE.

- 08 GREASE DUCTS SERVING TYPE I HOODS SHALL BE CONSTRUCTED AND INSTALLED PER THE REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE OR PROVIDE AND INSTALL UL LISTED AND LABELED FACTORY BUILT COMMERCIAL KITCHEN GREASE DUCTS.

- 09 TRANSITION DUCT SIZES GRADUALLY, NOT EXCEEDING 20° DIVERGENCE AND 30° CONVERGENCE.

- 10 PROVIDE STANDARD 45° LATERAL WYE TAKEOFFS, UNLESS OTHERWISE INDICATED WHERE 90° CONICAL TEE CONNECTIONS MAY BE USED.

- 11 PROVIDE LONG RADIUS ELBOWS (RID = 1.5) UNLESS OTHERWISE INDICATED.

- 12 TURNING VANES SHALL BE PROVIDED AT SQUARE DUCTWORK ELBOWS. ACOUSTICAL TURNING VANES SHALL BE PROVIDED AT SOUND LINED SQUARE DUCTWORK ELBOWS.

- 13 PROVIDE 8" MAXIMUM INSULATED FLEXIBLE DUCT CONNECTION BETWEEN LOW PRESSURE DUCT AND DIFFUSER OR GRILLE AND PROVIDE ELBOW SUPPORT.

- 14 PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL ROTATING EQUIPMENT.

- 15 PROVIDE A VOLUME DAMPER AT EACH INDIVIDUAL DIFFUSER BRANCH DUCT UNLESS THE DIFFUSER IS SCHEDULED TO BE PROVIDED WITH AN INTEGRAL DAMPER.

- 16 PROVIDE REMOTE OPERATORS WHERE VOLUME DAMPERS ARE LOCATED ABOVE HARD CEILING.

- 17 CONTROL DAMPERS AT INTERIOR APPLICATIONS SHALL BE MULTI BLADE, OPPOSED ACTION FOR MODULATING APPLICATIONS AND PARALLEL ACTION FOR OPEN/SHUT OR MIXING APPLICATIONS. EXTRUDED WELDED OR RIVETED WITH CORNER REINFORCEMENTS ALUMINUM FRAME, EXTRUDED ALUMINUM WITH AIRFOIL SHAPED BLADES, MAXIMUM 6" BLADE WIDTH, FIELD REPLACEABLE -50°F TO 250°F OPERATION VINYL BLADE SEALS. LEAKAGE SHALL BE LESS THAN 6 CFM/SQ. FT. AT 4" W.G., TESTED PER AMCA 500.

\*\*\* SPECIFICATIONS CONTINUED ON NEXT SHEET\*\*\*

**MECHANICAL LEGEND**

	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RECIRCULATED PIPING
	WASTE PIPING
	VENT PIPING
	PIPING, SEE ABBREVIATIONS FOR MEDIA
	DIRECTION OF FLOW
	PIPE ANCHOR
	PIPE GUIDE
	PIPE UP
	PIPE DOWN
	TEE UP
	TEE DOWN
	REDUCER / INCREASE
	CAP
	UNION
	CLEANOUT
	HOSE BIBB
	ISOLATION VALVE
	TAMPER-PROOF GAS PLUG VALVE
	BALANCE VALVE
	AUTOMATIC FLOW LIMITING VALVE
	CHECK VALVE
	STRAINER WITH BLOWDOWN
	FLEXIBLE PIPING CONNECTOR
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	PRESSURE/TEMPERATURE RELIEF VALVE
	QUARTER TURN BOILER DRAIN VALVE WITH CAP
	THERMOMETER
	PRESSURE GAUGE WITH ISOLATION COCK
	WATER HAMMER ARRESTOR
	LETTER INDICATES PDI SIZE
	PUMP
	FLOOR OR YARD CLEANOUT
	FLOOR DRAIN
	FLOOR SINK
	ROOF DRAIN OR OVERFLOW DRAIN
	SUPPLY AIR DUCT UP & DOWN (SQUARE)
	RETURN AIR DUCT UP & DOWN (SQUARE)
	EXHAUST AIR DUCT UP & DOWN (SQUARE)
	DUCT UP & DOWN (ROUND)
	RECTANGULAR DUCT SIZE (FIRST NUMBER - SIDE SHOWN) (SECOND NUMBER - SIDE NOT SHOWN)
	SOUND LINED DUCTWORK
	INSULATED DUCTWORK
	TURNING VANES
	FLEXIBLE DUCT CONNECTION
	VOLUME DAMPER
	MOTORIZED CONTROL DAMPER
	FLEXIBLE DUCT TO DIFFUSER (DIFFUSER SYMBOL MAY VARY)

\*\*\* LEGEND CONTINUED ON NEXT SHEET \*\*\*



CERTIFICATE OF AUTHORIZATION NO: T3 ALASKA, LLC AECL #: 1625

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## SPECIFICATIONS (CONTINUED)

### VENTILATION (CONTINUED)

- .18 CONTROL DAMPERS AT EXTERIOR WALL APPLICATIONS SHALL BE INSULATED MULTI-BLADE, OPPOSED ACTION FOR MODULATING APPLICATIONS AND PARALLEL ACTION FOR OPEN/SHUT APPLICATIONS. FRAMES SHALL BE EXTRUDED ALUMINUM, WELDED OR RIVETED WITH CORNER REINFORCEMENTS AND TWO THERMAL ISOLATION BREAKS FILLED WITH POLYURETHANE AND DEBRIDGED. BLADES SHALL BE EXTRUDED ALUMINUM WITH AIRFOIL SHAPED INJECTED WITH HIGH DENSITY POLYURETHANE CFC FREE FOAM, MAXIMUM 6" BLADE WIDTH, FIELD REPLACEABLE -50°F TO 250°F OPERATION VINYL BLADE SEALS. R-VALUE SHALL NOT BE LESS THAN 0.549 HR-SQ.FT. -F/BTU. LEAKAGE SHALL BE LESS THAN 6 CFM/SQ. FT. AT 4" W.G., TESTED PER AMCA 500-D-97.
- .19 CLOTHES DRYER CONNECTION BOX SHALL BE PRE-MANUFACTURED AND INSTALLED PER MANUFACTURER'S REQUIREMENTS. UL LISTED WHEN INSTALLED IN FIRE RATED WALLS. COORDINATE INSTALLATION LOCATION WITH DRYER EXHAUST OUTLET LOCATION.
- .20 WALL CAPS FOR TOILET EXHAUST FANS, RANGE HOOD EXHAUSTS AND DRYER EXHAUSTS SHALL BE ALUMINUM WITH ANODIZED FINISH AND BACKDRAFT DAMPER. SEHO MODEL 5FB OR EQUAL.
- .21 GREASE DUCTS SHALL BE LISTED ZERO CLEARANCE DUCT SYSTEM.
- .22 PROVIDE REMOTE SMOKE DETECTOR MONITORING STATIONS WITH VISUAL AND AUDIBLE SIGNALING AS REQUIRED BY IMC 606.4.1 FOR AIR HANDLING UNITS SCHEDULED OR REQUIRED TO HAVE SMOKE DETECTION SHUTDOWN.

### INSULATION

- .01 ALL INSULATION INSTALLED INSIDE THE BUILDING SHALL HAVE 25 OR LESS FLAME SPREAD, 50 OR LESS SMOKE DEVELOPED RATING.
- .02 FIBERGLASS PIPING INSULATION, ASTM C547, SHALL HAVE A MAXIMUM K VALUE OF 0.23 AT 75°F MEAN TEMPERATURE, ASTM C1045.
- .03 FLEXIBLE CLOSED CELL ELASTOMERIC PIPING INSULATION, ASTM C534 - TYPE 1 - GRADE 1, SHALL HAVE A MAXIMUM K VALUE OF 0.25 AT 75°F MEAN TEMPERATURE, ASTM C177 AND PERMEABILITY OF 0.05 PERMS - INCH, ASTM E96.
- .04 FLEXIBLE FIBERGLASS DUCT INSULATION, ASTM C553, SHALL HAVE A MAXIMUM K VALUE OF 0.29 AT 75°F MEAN TEMPERATURE, ASTM C518.
- .05 RIGID FIBERGLASS DUCT INSULATION, ASTM C612, SHALL HAVE A MAXIMUM K VALUE OF 0.24 AT 75°F MEAN TEMPERATURE, ASTM C518.
- .06 UNDERGROUND FLEXIBLE COLD WATER PIPING SERVING TRAP PRIMERS SHALL BE INSULATED WITH 1/2" FLEXIBLE CLOSED CELL ELASTOMERIC INSULATION.
- .07 ABOVEGROUND DOMESTIC COLD WATER, HOT WATER AND HOT WATER CIRCULATING PIPING SHALL BE INSULATED WITH PRE-FORMED FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER ALL SERVICE JACKET AND PREMANUFACTURED PLASTIC FITTING INSULATION.
  - 1/2" INSULATION THICKNESS FOR COLD WATER PIPE 1-1/4" AND SMALLER.
  - 1-1/2" INSULATION THICKNESS FOR COLD WATER PIPE 1-1/2" AND LARGER.
  - 1" INSULATION THICKNESS FOR HOT WATER PIPE 1-1/4" AND SMALLER.
  - 1-1/2" INSULATION THICKNESS FOR HOT WATER PIPE 1-1/2" AND LARGER.

- .08 ABOVEGROUND STORM DRAINAGE PIPING SHALL BE INSULATED WITH 1/2" PRE-FORMED FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER ALL SERVICE JACKET AND PREMANUFACTURED PLASTIC FITTING INSULATION.
  - .09 HEATING GLYCOL PIPING SHALL BE INSULATED WITH PRE-FORMED FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER ALL SERVICE JACKET AND PREMANUFACTURED PLASTIC FITTING INSULATION.
    - 1-1/2" INSULATION THICKNESS FOR PIPE 1-1/4" AND SMALLER.
    - 2" INSULATION THICKNESS FOR PIPE 1-1/2" AND LARGER.
  - .10 REFRIGERANT PIPING SHALL BE INSULATED WITH 1-1/2" FLEXIBLE CLOSED CELL ELASTOMERIC INSULATION WITH ANTIMICROBIAL PROTECTION.
  - .11 PLUMBING VENT THROUGH ROOFS SHALL BE INSULATED WITH 1" PRE-FORMED FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER ALL SERVICE JACKET DOWN TO 3' WITHIN THE BUILDING.
  - .12 COMBUSTION OR MECHANICAL ROOM RELIEF AIR DUCTWORK SHALL BE INSULATED WITH 2" RIGID FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER WITH CANVAS COVERING.
  - .13 TRANSFER/RETURN AIR DUCT ASSEMBLIES SHALL BE INTERNALLY INSULATED WITH 1" THICK FIBERGLASS DUCT LINER WITH SMOOTH COATED AIRSTREAM SURFACE AND EDGES TO PROVIDE SOUND ATTENUATION.
  - .14 SUPPLY AIR DUCTWORK SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER WITH FOIL SCRIM FACING.
  - .15 SUPPLY AND RETURN AIR DUCTWORK SHALL BE INTERNALLY INSULATED WITH 1" THICK FIBERGLASS DUCT LINER WITH SMOOTH COATED AIRSTREAM SURFACE AND EDGES, FROM THE AHU OUTLET TO 10 FEET DOWNSTREAM OF THE UNIT OR AS INDICATED ON DRAWINGS, WHICH EVER IS LONGER, TO PROVIDE SOUND ATTENUATION.
  - .16 EXHAUST AIR DUCTWORK SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER WITH FOIL SCRIM FACING, TO A POINT 10 FEET MINIMUM WITHIN THE BUILDING OR AS INDICATED ON DRAWINGS, WHICH EVER IS LONGER.
- CONTROLS**
- .01 PROVIDE A COMPLETE AND OPERATIONAL CONTROL SYSTEM AS REQUIRED TO PROVIDE EQUIPMENT CONTROL AS SPECIFIED UNDER THE SEQUENCE OF OPERATIONS.
  - .02 PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, POWER, WIRING, CONDUIT, CONTROLLERS, THERMOSTATS, ACTUATORS, TRANSFORMERS, AND ASSOCIATED CONTROL COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM.
  - .03 VARIABLE FREQUENCY DRIVES SHALL BE PROVIDED WITH THE CONTROL SYSTEM UNLESS OTHERWISE INDICATED AS INTEGRAL OR FACTORY PROVIDED.
  - .04 ALL CONTROL WIRING ABOVE 24V SHALL BE ROUTED IN CONDUIT. 24V AND LESS CONTROL WIRING ABOVE HARD OR OTHERWISE INACCESSIBLE CEILINGS SHALL BE ROUTED IN CONDUIT. 24V AND LESS CONTROL WIRING NOT IN CONDUIT SHALL BE PLENUM RATED.
  - .05 LINE VOLTAGE THERMOSTATS SHALL BE COORDINATED WITH ELECTRICAL.

- .06 THERMOSTATS FOR PUBLIC SPACES SHALL BE LOW VOLTAGE, HEATING ONLY WITH DIGITAL DISPLAY. HONEYWELL TH1100D/1000 OR EQUAL.
  - .07 PROVIDE LOCKING COVERS FOR THERMOSTATS OR NON-FIELD ADJUSTABLE SENSORS IN PUBLIC SPACES AND AS INDICATED ON PLANS.
  - .08 PROVIDE INSULATED BASE FOR THERMOSTATS/SENSORS MOUNTED ON EXTERIOR WALLS.
  - .09 MOUNT THERMOSTATS/SENSORS AT 48" ABOVE FINISH FLOOR UNLESS OTHERWISE INDICATED.
- TEST AND START-UP**
- .01 TEST ALL PLUMBING PIPING SYSTEMS IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
  - .02 TEST ALL GAS PIPING SYSTEMS IN ACCORDANCE WITH THE INTERNATIONAL FUEL GAS CODE.
  - .03 TEST ALL HYDRONIC PIPING SYSTEMS IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
  - .04 FLUSH AND DISINFECT THE DOMESTIC POTABLE WATER PIPING SYSTEMS IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
  - .05 FLUSH AND CLEAN HYDRONIC PIPING SYSTEMS IN ACCORDANCE WITH GLYCOL MANUFACTURER'S REQUIREMENTS, WATER TREATMENT RECOMMENDATIONS AND GOOD PRACTICE.
  - .06 PROVIDE BOILER START-UP WITH THE SERVICES OF THE BOILER MANUFACTURER'S AUTHORIZED REPRESENTATIVE. PERFORM PROCEDURES AND TESTS REQUIRED BY THE MANUFACTURER AND PROVIDE THE OWNER WITH A COPY OF THE START-UP REPORT AT END OF PROJECT.

### TESTING, ADJUSTING, AND BALANCING (TAB)

- .01 TEST, ADJUST, AND BALANCE THE ENTIRE AIR AND HYDRONIC SYSTEMS.
- .02 AIR AND HYDRONIC FLOWS ARE TO BE BALANCED TO WITHIN +/-10% OF DESIGN VALUES. BALANCING PROCEDURES SHALL BE IN ACCORDANCE WITH NEBB OR AABC REQUIREMENTS.
- .03 PRIOR TO START OF TAB, ADJUST ALL AIR PATTERN CONTROLLERS, GRILLES AND REGISTER BLADES FOR PROPER AIR DIFFUSION PATTERNS.
- .04 PRIOR TO START OF TAB, VERIFY THE SYSTEMS AND EQUIPMENT ARE READY FOR THIS WORK.
- .05 CORRECT ANY AIR AND/OR HYDRONIC DEFICIENCIES FOUND DURING INITIAL TESTING PRIOR TO FINAL TESTING.
- .06 NOTIFY THE ENGINEER OF ANY PROBLEMS ENCOUNTERED DURING THE BALANCING PROCEDURE.
- .07 PERMANENTLY MARK THE FINAL SETTING OF VALVES, DAMPERS AND OTHER ADJUSTMENT DEVICES.
- .08 COMPLETE AND SUBMIT NEBB OR AABC OR SIMILAR TEST REPORT FORMS AT CONCLUSION OF TAB FOR REVIEW AND APPROVAL. REPORT SHALL INCLUDE A % OF DESIGN VALUE FOR EACH AIR AND HYDRONIC DEVICE BALANCED.

### RECORD DRAWINGS

- .01 MAINTAIN ACCURATE PROJECT RECORD DRAWINGS INDICATING ALL FIELD CHANGES IN RED INK FROM THE ORIGINAL PLANS MADE DURING INSTALLATION OF WORK.
- .02 SUBMIT RECORD DRAWINGS TO OWNER AT COMPLETION OF PROJECT.

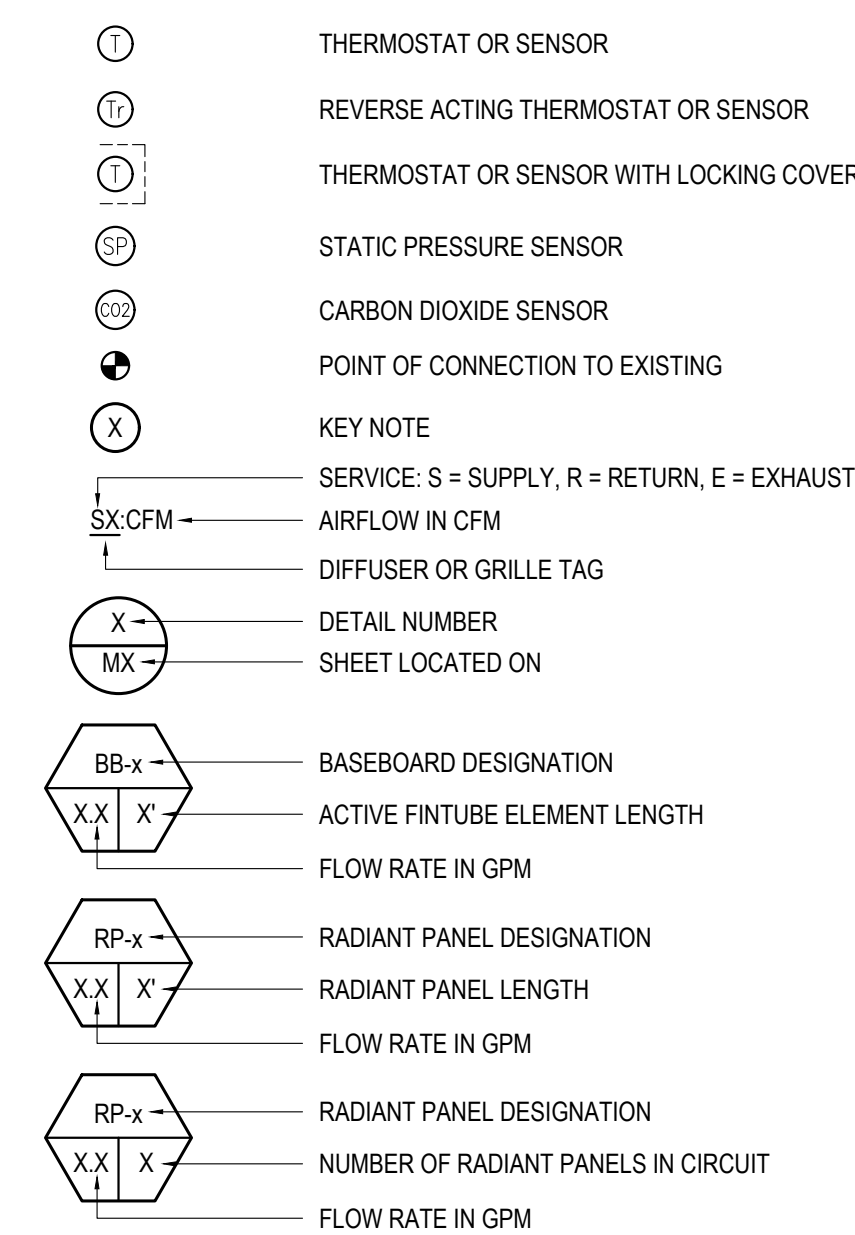
### TRAINING

- .01 PROVIDE ON-SITE INSTRUCTION FOR THE OWNER'S PERSONNEL IN THE OPERATION, CARE AND MAINTENANCE OF ALL SYSTEMS AND EQUIPMENT.

\*\*\* END OF SPECIFICATIONS \*\*\*

## MECHANICAL LEGEND

\*\*\* LEGEND CONTINUED FROM PREVIOUS SHEET \*\*\*



## SEQUENCE OF OPERATION

### GENERAL

THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL CONTROL SYSTEM AS REQUIRED TO PROVIDE EQUIPMENT CONTROL AS SPECIFIED UNDER THE SEQUENCE OF OPERATION.

UNLESS OTHERWISE INDICATED, ALL CONTROL FUNCTIONS SHALL BE THROUGH INTEGRAL CONTROLS OR STANDALONE DIGITAL CONTROLS SYSTEMS.

EQUIPMENT NOT SUPPLIED WITH INTEGRAL CONTROLS SHALL BE PROVIDED WITH STANDALONE CONTROLS.

THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, POWER, WIRING, CONDUIT, CONTROLLERS, ACTUATORS, AND ASSOCIATED CONTROL COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.

**GLYCOL MIX TANKS (G-MT-1)**  
INTEGRAL CONTROLS SHALL CONTROL PUMP TO MAINTAIN SYSTEM PRESSURE SETPOINT. PROVIDE LOW LEVEL ALARM PANEL WITH SELECTABLE AUDIBLE ALARM AND REMOTE MONITORING DRY CONTACTS.

### BOILERS AND BOILER CIRCULATION PUMPS (BLR-1, BLR-2, BC-1, & BC-2)

BOILERS SHALL BE ENABLED WHEN THE OUTSIDE AIR TEMPERATURE IS AT OR LESS THAN 65°F (ADJUSTABLE) OR ON A CALL FOR HEAT FROM THE DOMESTIC HOT WATER SYSTEM.

BOILERS SHALL BE DISABLED WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE 65°F (ADJUSTABLE) AND WITH NO CALL FOR HEAT FROM THE DOMESTIC HOT WATER SYSTEM. BOILERS SHALL GO THROUGH THE CYCLE DOWN SEQUENCE BEFORE BEING DISABLED.

BOILER'S INTEGRAL CONTROLS SHALL BE CAPABLE OF COMMUNICATING WITH EACH OTHER, ALLOWING SEQUENCING OF ALL BOILERS TO OPTIMIZE BOILER PLANT ENERGY EFFICIENCY. THE BOILER'S INTEGRAL CONTROLS SHALL BE CAPABLE OF PROVIDING CONTROL AS FOLLOWS.

BOILERS SHALL MAINTAIN BUILDING SUPPLY TEMPERATURE SETPOINT. THE BUILDING SUPPLY TEMPERATURE SETPOINT SHALL RESET LINEARLY BETWEEN 130°F AND 170°F BASED ON AN OUTDOOR AIR RESET SCHEDULE BETWEEN 65°F AND 10°F RESPECTIVELY. ALL RESET TEMPERATURE SETPOINTS SHALL BE ADJUSTABLE.

BOILER'S CONTROLLERS SHALL ENABLE THE BOILERS ON OUTSIDE AIR TEMPERATURES OF 65°F AND LOWER.

BOILER'S INTEGRAL CONTROLS SHALL MODULATE ITS BURNERS AND OPERATE THE BOILER'S CIRCULATION PUMPS TO MAINTAIN INTERNAL AQUASTAT TEMPERATURE. THE INTERNAL AQUASTAT TEMPERATURE SETPOINT SHALL RESET LINEARLY BETWEEN 150°F AND 180°F BASED ON AN OUTDOOR AIR RESET SCHEDULE BETWEEN 65°F AND 10°F RESPECTIVELY OR 180°F ON CALL FOR DOMESTIC HOT WATER HEAT. ALL RESET TEMPERATURE SETPOINTS SHALL BE ADJUSTABLE.

PROVIDE ALL TRIM AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE CHAPTER 10.

### HOT WATER TEMPERING VALVE (TV-1)

INTEGRAL CONTROLS SHALL MAINTAIN DOMESTIC HOT WATER SUPPLY TEMPERATURE OF 120°F (ADJUSTABLE). TANK SHALL BE SET AT 140°F (ADJUSTABLE).

### DOMESTIC HOT WATER TANK CIRCULATION/HEATING PUMPS (WST-1, WST-2, DCP-1A AND DCP-1B)

PUMPS SHALL OPERATE ON CALL FOR HEAT FROM THE DOMESTIC HOT WATER TANKS. HOT WATER TANK SETPOINT SHALL BE 140°F (ADJUSTABLE).

PUMPS SHALL OPERATE IN A LEAD - STANDBY CONFIGURATION WHEN OUTSIDE AIR TEMPERATURE IS AT THE ON-OFF SETPOINT OR LESS. LEAD PUMP SHALL RUN CONTINUOUSLY. IF PUMP FAILS TO START AS COMMANDED, SIGNAL ALARM AND STANDBY PUMP SHALL OPERATE. LEAD - STANDBY PUMP DESIGNATION SHALL ROTATE AFTER PUMP ROTATION SETPOINT HAS BEEN MET.

### DOMESTIC HOT WATER CIRCULATION PUMP (DCP-2)

PUMP SHALL RUN CONTINUOUSLY.

### BUILDING HEAT CIRCULATION PUMPS (CP-1A AND CP-1B)

PUMPS SHALL OPERATE CONTINUOUSLY WHEN WHEN THE OUTSIDE AIR TEMPERATURE IS AT OR LESS THAN 65°F (ADJUSTABLE).

PUMPS SHALL OPERATE IN A LEAD - STANDBY CONFIGURATION WHEN OUTSIDE AIR TEMPERATURE IS AT THE ON-OFF SETPOINT OR LESS. LEAD PUMP SHALL RUN CONTINUOUSLY. IF PUMP FAILS TO START AS COMMANDED, SIGNAL ALARM AND STANDBY PUMP SHALL OPERATE. LEAD - STANDBY PUMP DESIGNATION SHALL ROTATE AFTER PUMP ROTATION SETPOINT HAS BEEN MET.

PUMP INTEGRAL SPEED CONTROLLER SHALL MODULATE TO MAINTAIN DIFFERENTIAL PRESSURE SETPOINT. DIFFERENTIAL PRESSURE SETPOINT SHALL BE DETERMINED AT BALANCING.

### HEAT EXCHANGER CIRCULATION PUMPS (CP-2A AND CP-2B)

ON CALL FOR HEAT FROM THE DOMESTIC HOT WATER SYSTEM THE PUMPS SHALL OPERATE AND THE BOILER SYSTEM SHALL BE ENABLED.

PUMPS SHALL OPERATE IN A LEAD - STANDBY CONFIGURATION. IF LEAD PUMP FAILS TO START AS COMMANDED, SIGNAL ALARM AND STANDBY PUMP SHALL OPERATE. LEAD - STANDBY PUMP DESIGNATION SHALL ROTATE AFTER PUMP ROTATION SETPOINT HAS BEEN MET.

### BASEBOARD (BB-1)

ON CALL FOR HEAT FROM WALL MOUNTED THERMOSTAT (ADJUSTABLE), CONTROL VALVE SHALL OPEN.

### UNIT HEATERS (UH-1 AND UH-2)

ON CALL FOR HEAT FROM WALL MOUNTED THERMOSTAT (ADJUSTABLE), FAN SHALL CYCLE. THE COIL SHALL RUN WILD.

### CABINET UNIT HEATER (CUH-1 AND CUH-2)

ON CALL FOR HEAT FROM WALL MOUNTED THERMOSTAT (ADJUSTABLE), CONTROL VALVE SHALL OPEN AND UNIT SHALL OPERATE.

### ELECTRIC CABINET UNIT HEATER (ECUH-1)

ON CALL FOR HEAT FROM WALL MOUNTED THERMOSTAT (ADJUSTABLE), UNIT SHALL OPERATE UNTIL ROOM TEMPERATURE SETPOINT HAS BEEN SATISFIED.

### RADIANT CEILING PANEL (RP-1, RP-2, AND RP-3)

ON CALL FOR HEAT FROM WALL MOUNTED THERMOSTAT (ADJUSTABLE), CONTROL VALVE SHALL OPEN.

### SUBSLAB HEATING ZONE

ON CALL FOR HEAT, 40°F OR LESS (ADJUSTABLE), FROM SUB SLAB SENSOR. ZONE VALVE SHALL OPEN. BOILER SHALL BE ENABLED.

### ROOF TOP UNITS (RTU-1)

MANUFACTURER'S WALL MOUNTED CONTROLLER SHALL CONTROL UNIT.

DURING OCCUPIED MODE THE UNIT SHALL RUN CONTINUOUSLY. OUTSIDE AIR DAMPERS SHALL PROVIDE MINIMUM OUTSIDE AIR REQUIRED, RETURN DAMPERS, OUTSIDE AIR DAMPERS, COOLING COIL, BURNER SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

DURING UNOCCUPIED MODE WITH NO CALL FOR HEAT, THE UNIT SHALL SHUT DOWN, OUTSIDE AIR DAMPER SHALL SHUT AND RETURN DAMPER SHALL OPEN.

DURING UNOCCUPIED MODE WITH CALL FOR HEAT, THE UNIT SHALL RUN, OUTSIDE AIR DAMPERS SHALL BE SHUT, RETURN DAMPERS SHALL BE OPEN, AND THE BURNER SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

FREEZE PROTECTION

IF SUPPLY AIR TEMPERATURE IS BELOW FREEZE ALARM SETPOINT THE UNIT SHALL STOP, THE OUTSIDE AIR DAMPERS SHALL CLOSE. SIGNAL ALARM.

SMOKE DETECTION

PROVIDE SMOKE DETECTOR IN RETURN AIR DUCT WORK. IF SMOKE IS DETECTED, THE FAN SHALL STOP AND THE OUTSIDE AIR DAMPERS SHALL CLOSE. SIGNAL ALARM.

### KITCHEN MAKE-UP AIR UNIT (MAU-1)

FAN SHALL BE INTERLOCKED WITH EF-1 SO THAT THE UNIT OPERATES WHEN EF-1 IS OPERATING. INTEGRAL CONTROLS SHALL FIRE AND MODULATE UNIT'S BURNER AND UNIT'S COOLING COIL TO MAINTAIN DISCHARGE AIR TEMPERATURE. DISCHARGE AIR TEMPERATURE SET VIA REMOTE MOUNTED MANUFACTURER'S CONTROL PANEL.

### KITCHEN MAKE-UP AIR UNIT (MAU-2)

FAN SHALL BE INTERLOCKED WITH EF-2 SO THAT THE UNIT OPERATES WHEN EF-2 IS OPERATING. INTEGRAL CONTROLS SHALL FIRE AND MODULATE UNIT'S BURNER AND UNIT'S COOLING COIL TO MAINTAIN DISCHARGE AIR TEMPERATURE. DISCHARGE AIR TEMPERATURE SET VIA REMOTE MOUNTED MANUFACTURER'S CONTROL PANEL.

### KITCHEN MAKE-UP AIR UNIT (MAU-3)

FAN SHALL BE INTERLOCKED WITH EF-3 SO THAT THE UNIT OPERATES WHEN EF-3 IS OPERATING. INTEGRAL CONTROLS SHALL FIRE AND MODULATE UNIT'S BURNER AND UNIT'S COOLING COIL TO MAINTAIN DISCHARGE AIR TEMPERATURE. DISCHARGE AIR TEMPERATURE SET VIA REMOTE MOUNTED MANUFACTURER'S CONTROL PANEL.

### KITCHEN MAKE-UP AIR UNIT (MAU-4)

FAN SHALL BE INTERLOCKED WITH EF-4A AND EF-4B SO THAT THE UNIT OPERATES WHEN EF-4A AND EF-4B ARE OPERATING. INTEGRAL CONTROLS SHALL FIRE AND MODULATE UNIT'S BURNER AND UNIT'S COOLING COIL TO MAINTAIN DISCHARGE AIR TEMPERATURE. DISCHARGE AIR TEMPERATURE SET VIA REMOTE MOUNTED MANUFACTURER'S CONTROL PANEL. EF-4A AND EF-4B SHALL OPERATE AT THE SAME TIME.

### KITCHEN MAKE-UP AIR UNIT (MAU-5)

FAN SHALL BE INTERLOCKED WITH EF-5 SO THAT THE UNIT OPERATES WHEN EF-5 IS OPERATING. INTEGRAL CONTROLS SHALL FIRE AND MODULATE UNIT'S BURNER AND UNIT'S COOLING COIL TO MAINTAIN DISCHARGE AIR TEMPERATURE. DISCHARGE AIR TEMPERATURE SET VIA REMOTE MOUNTED MANUFACTURER'S CONTROL PANEL.

### KITCHEN EXHAUST FAN (EF-1)

FAN SHALL OPERATE VIA LOCAL ON-OFF WALL SWITCH. INTERLOCK WITH MAU-1.

### KITCHEN EXHAUST FAN (EF-2)

FAN SHALL OPERATE VIA LOCAL ON-OFF WALL SWITCH. INTERLOCK WITH MAU-2.

### KITCHEN EXHAUST FAN (EF-3)

FAN SHALL OPERATE VIA LOCAL ON-OFF WALL SWITCH. INTERLOCK WITH MAU-3.

### KITCHEN EXHAUST FAN (EF-4A & EF-4B)

FAN SHALL OPERATE VIA LOCAL ON-OFF WALL SWITCH. INTERLOCK WITH MAU-4.

### KITCHEN EXHAUST FAN (EF-5)

FAN SHALL OPERATE VIA LOCAL ON-OFF WALL SWITCH. INTERLOCK WITH MAU-5.

### TOILET ROOM EXHAUST FAN (EF-6)

INTEGRAL CONTROLS SHALL SWITCH FAN FROM CONTINUOUS MODE (30 CFM, ADJUSTABLE) TO OCCUPIED BOOST MODE VIA INTEGRAL OCCUPANCY SENSOR. SET BOOST MODE TO LAST 30 MINUTES.

### JANITOR'S ROOM EXHAUST FAN (EF-7)

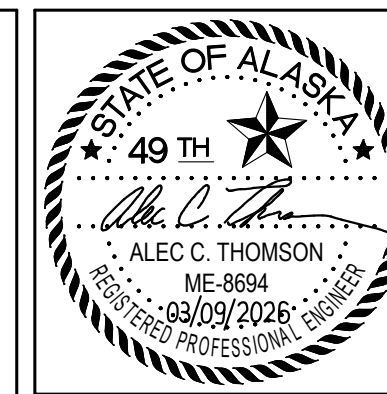
INTEGRAL CONTROLS SHALL SWITCH FAN FROM CONTINUOUS MODE (30 CFM, ADJUSTABLE) TO OCCUPIED BOOST MODE VIA INTEGRAL OCCUPANCY SENSOR. SET BOOST MODE TO LAST 30 MINUTES.

### MECHANICAL ROOM VENTILATION FAN (VF-1)

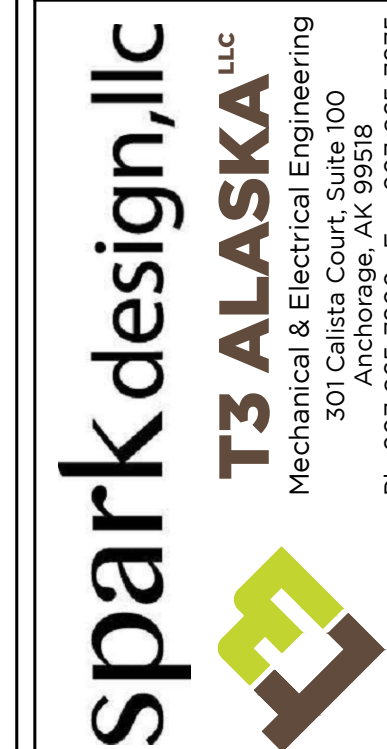
FAN SHALL OPERATE ON TEMPERATURE RISE BASED ON ADJUSTABLE ROOM THERMOSTAT SETPOINT. THE OUTSIDE AIR AND RETURN AIR DAMPERS SHALL MODULATE TO MAINTAIN SUPPLY AIR TEMPERATURE. RELIEF AIR DAMPER SHALL OPEN WHEN FAN IS OPERATING.

### THERMOSTATS

THERMOSTATS/SENSORS FOR HEATING ZONES AND PUBLIC SPACES SHALL BE LOW VOLTAGE. HEATING ONLY OR HEATING AND COOLING AS REQUIRED. LOCKING COVERS AT PUBLIC SPACES AND AS INDICATED ON DRAWINGS. PROVIDE INSULATING BASE FOR THERMOSTATS MOUNTED ON EXTERIOR WALLS.



CERTIFICATE OF AUTHORIZATION NO:  
T3 ALASKA, LLC AECL # 1625



**ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
DRAWN	KMR
REVIEWED	ACT

SHEET NAME  
MECHANICAL  
SPECIFICATIONS

SHEET NO.  
**M0.05**



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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

#	DESCRIPTION	DATE
1	MOA Review Responses	02.04.2026
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN KMR  
 REVIEWED ACT

SHEET NAME  
 UNDERSLAB  
 PLUMBING PLAN

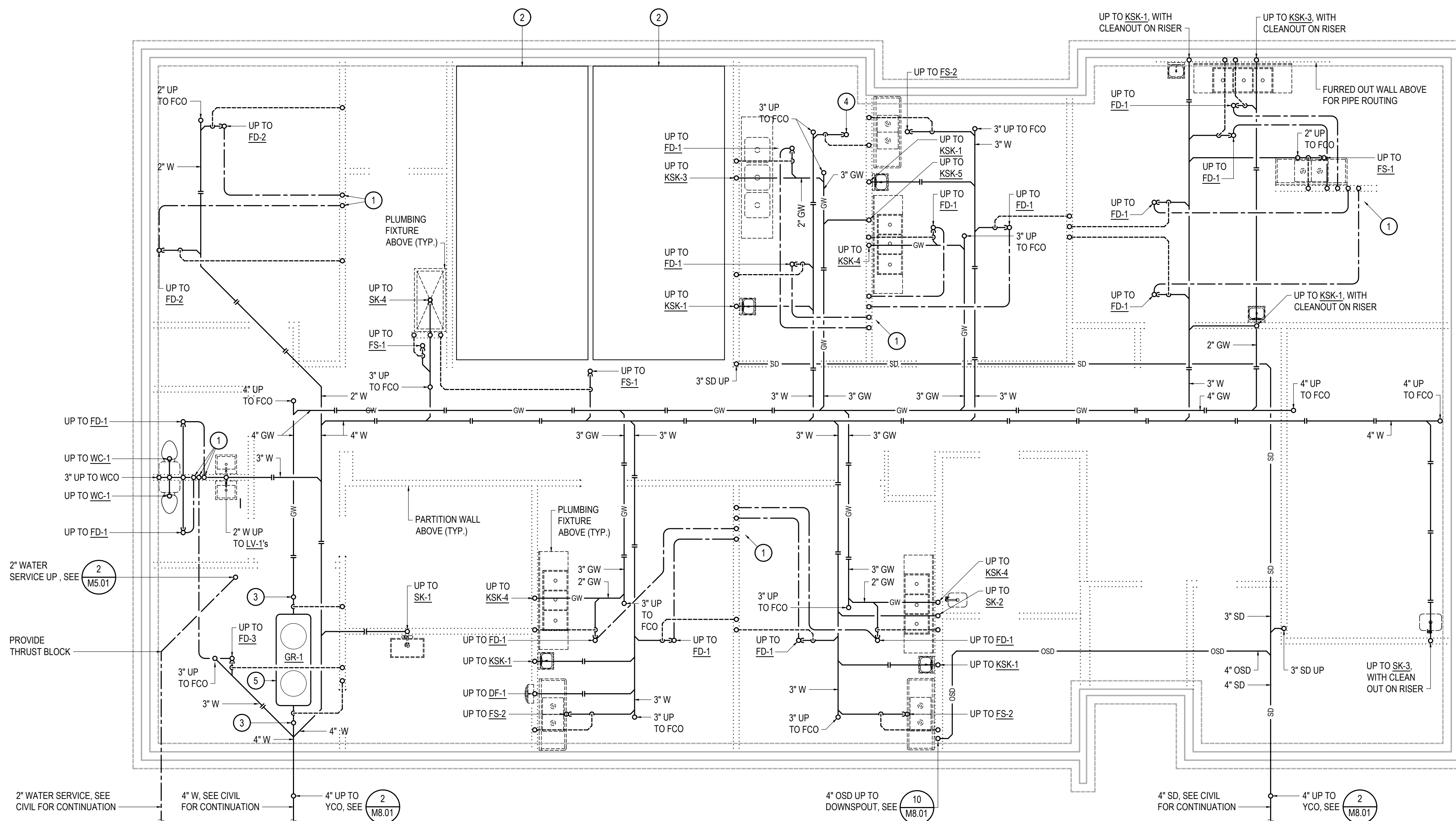
SHEET NO.  
**M1.01**

**SHEET NOTES**

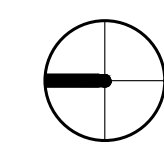
- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE INDICATED ON THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED.
- PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK RISERS.
- SLEEVE AND SEAL PIPING PENETRATING GRADE BEAMS OR FOOTINGS.
- FLOOR DRAIN, FLOOR SINKS AND CLEANOUTS INSTALLED IN FLOOR FINISH RP-1 SHALL BE MAKE/MODELS AS APPROVED BY FLOORING MANUFACTURER. INSTALL PER FLOORING MANUFACTURER'S REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.

**KEY NOTES**

- 1/2" COLD WATER UP TO TRAP PRIMER, TP-1. SEE 7/M8.01.
- HYDRONIC SUB SLAB HEATING UNDER FREEZER/COOLER SUB SLAB INSULATION LAYER. COORDINATE WITH ARCHITECTURAL, STRUCTURAL AND HEATING PLAN.
- 4" TWO WAY CLEAN OUT. 4" UP TO FCO.
- UP TO FS-2. COORDINATE FINAL LOCATION OF FLOOR SINK WITH DISHWASHER EQUIPMENT'S OUTLET LOCATION.
- PROVIDE TANK BALLAST. BALLAST PER INTERCEPTOR MANUFACTURER.



**1** **UNDERSLAB PLUMBING PLAN**  
 SCALE: 3/16 = 1'-0"





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SHEET NAME  
 MECHANICAL  
 PLUMBING PLAN

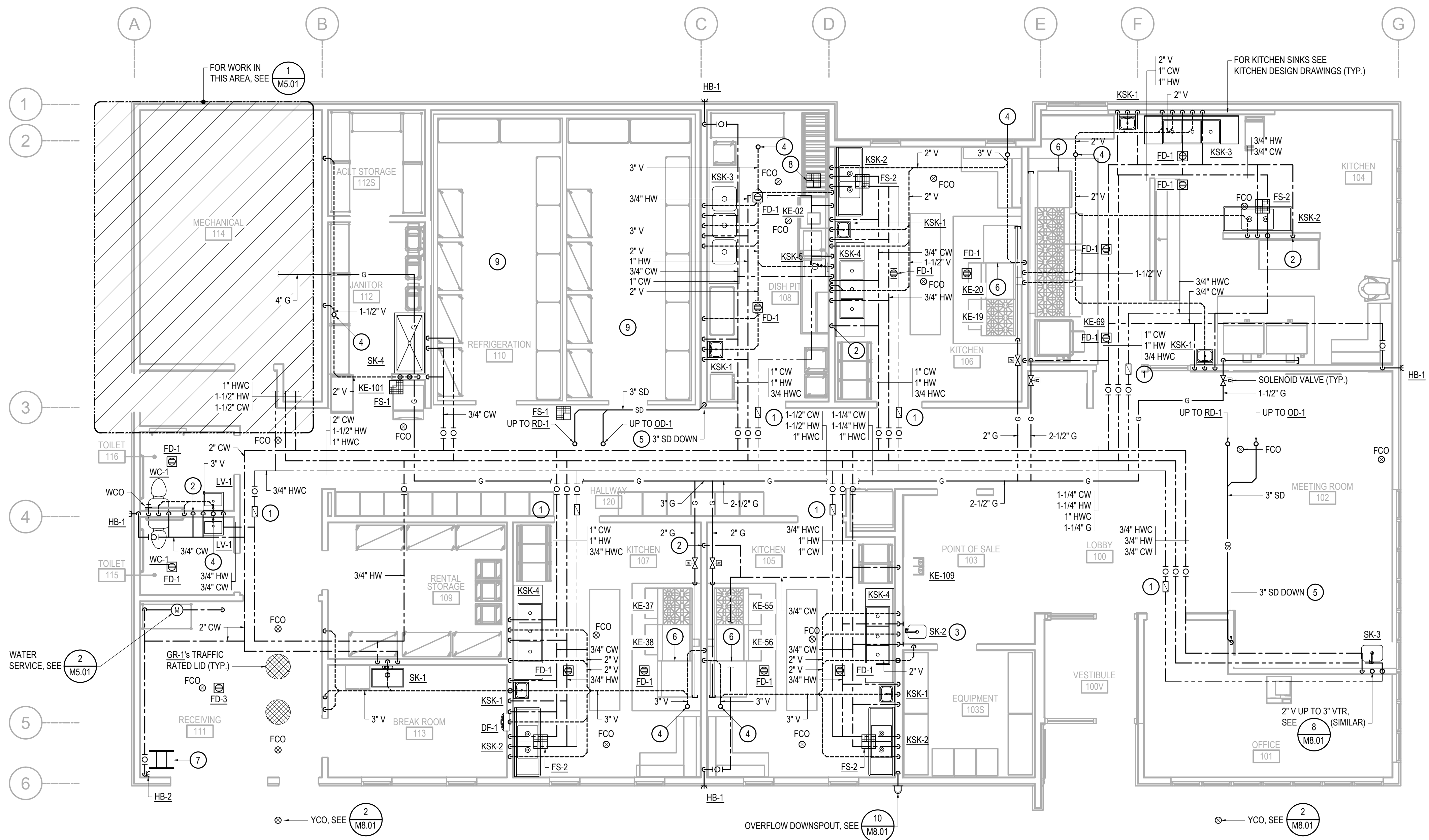
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**SHEET NOTES**

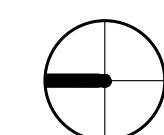
- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE INDICATED ON THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED.
- PROVIDE CLEANOUT ON ALL INDIVIDUAL SINK RISERS.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS. PIPING SHOWN CLOSE TO EXTERIOR WALLS ARE TO BE ROUTED IN FURRED OUT WALL CAVITIES, SEE ARCHITECTURAL.
- SLEEVE AND SEAL PIPING PENETRATING GRADE BEAMS OR FOOTINGS.
- HOT AND COLD WATER PIPING SERVING TWO OR MORE FIXTURES SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
- FLOOR DRAIN, FLOOR SINKS AND CLEANOUTS INSTALLED IN FLOOR FINISH RP-1 SHALL BE MAKE/MODELS AS APPROVED BY FLOORING MANUFACTURER. INSTALL PER FLOORING MANUFACTURER'S REQUIREMENTS. COORDINATE WITH ARCHITECTURAL.

**KEY NOTES**

- 0.75 GPM FLOW LIMITING VALVE.
- 1/2" COLD WATER DOWN TO TRAP PRIMER, TP-1, SEE, 7/M8.01.
- 3/4" CW/HW DOWN TO SERVE KSK-4 & SK-2.
- 3" V UP TO 4" VTR, SEE, 8/M8.01.
- FOR STORM DRAIN CLEANOUT DETAIL, SEE 9/M8.02.
- FUTURE KITCHEN GAS APPLIANCE.
- HOSECRAFT USA SERIES SS1816-17-18-FDA MANUAL REWIND HOSE REEL. MOUNT SECURELY TO WALL. PROVIDE 50' OF NSF-61 CERTIFIED 3/4" THREADED HOSE. CONNECT THREADED HOSE TO HB-2 THREADED CONNECTION. PROVIDE POTABLE USE ONLY PLACARD ABOVE HOSE REEL. SEE 1/M8.02.
- FS-2. COORDINATE FINAL LOCATION OF FLOOR SINK WITH DISHWASHER EQUIPMENT'S OUTLET LOCATION.
- ROUTE EVAPORATOR CONDENSATE PIPING TO FLOOR SINK. COORDINATE WITH FREEZER/COOLER MANUFACTURER SHOP DRAWINGS AND THEIR REQUIREMENTS. SEE 3/M8.01.



**1 PLUMBING PLAN**  
 SCALE: 3/16" = 1'-0"





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DRAWN KMR  
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SHEET NAME  
MECHANICAL  
HEATING PLAN

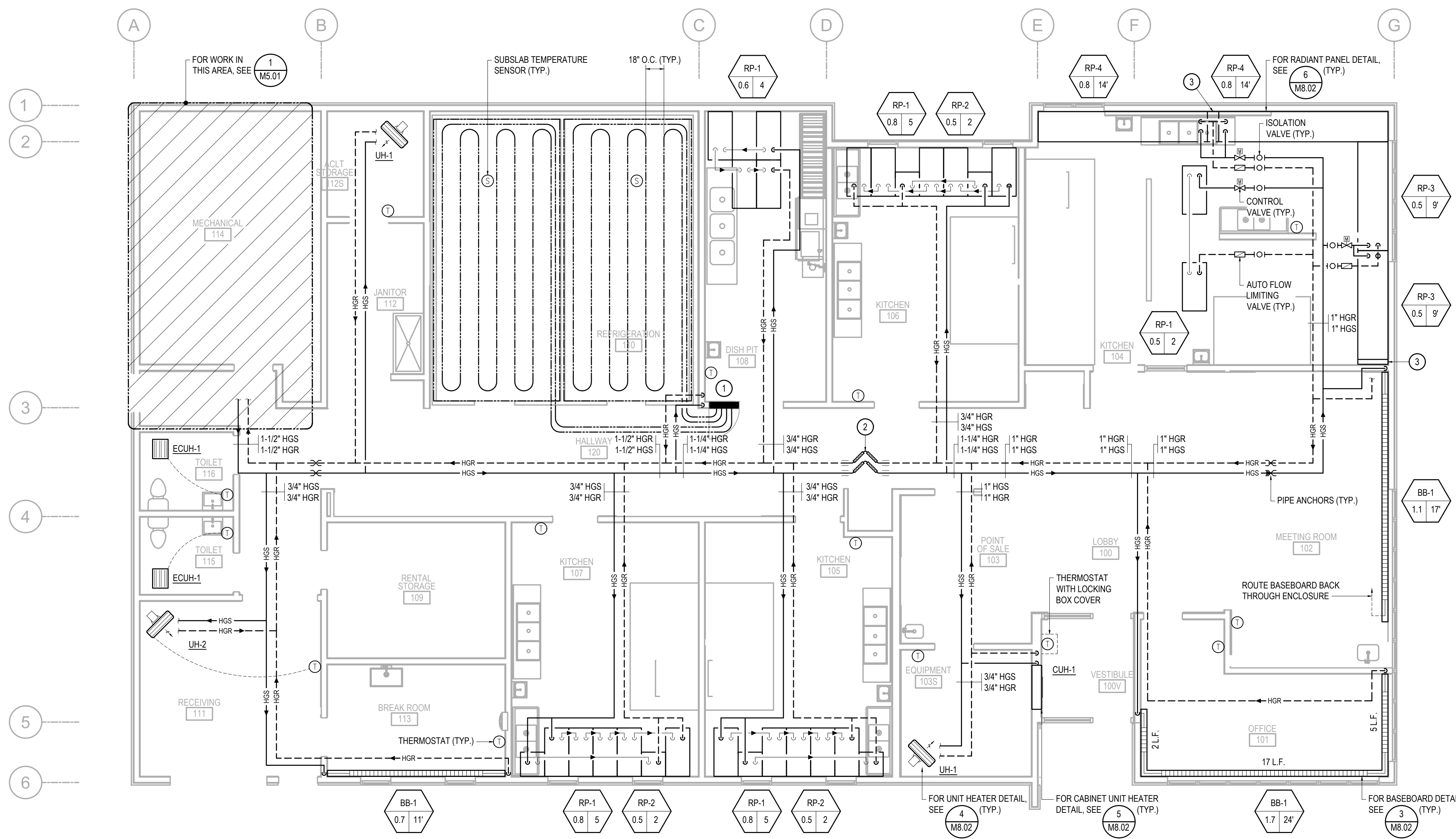
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**SHEET NOTES**

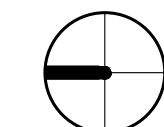
- BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS OF 3 GPM OR LESS SHALL BE 3/4" UNLESS OTHERWISE INDICATED ON PLANS OR SCHEDULES.
- PROVIDE PIPE GUIDES PER EXPANSION LOOP MANUFACTURER'S RECOMMENDATIONS.

**KEY NOTES**

- FREEZER HEAT MANIFOLD TO SERVE WALK-IN FREEZER SUB FLOOR HEAT SYSTEM. 2 PEXa WITH OXYGEN BARRIER LOOPS. 200' ACTIVE LOOP LENGTH PER LOOP. 0.5 GPM FLOW RATE PER LOOP. 12" ON CENTER TUBE SPACING. 3/4" TUBE SIZE. <1.5' HD. PRESSURE DROP. SERPENTINE PIPING ARRANGEMENT. ON CALL FOR HEAT FROM GROUND TEMPERATURE SENSOR. FREEZER HEAT MANIFOLD CONTROL VALVE SHALL OPEN UNTIL GROUND TEMPERATURE SENSOR SETPOINT IS MET. SEE 4/M8.03.
- PRE-MANUFACTURED EXPANSION LOOP.
- PROVIDE RADIANT PANEL LENGTH OR TRIM AS REQUIRED FOR FULL LENGTH OF PERIMETER WALL. COORDINATE WITH ARCHITECTURAL.



**1 HEATING PLAN**  
SCALE: 3/16" = 1'-0"





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REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	MOA Review Responses	02.04.2026
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
DATE 2025.02.14  
DRAWN KMR  
REVIEWED ACT

SHEET NAME  
MECHANICAL  
VENTILATION PLAN

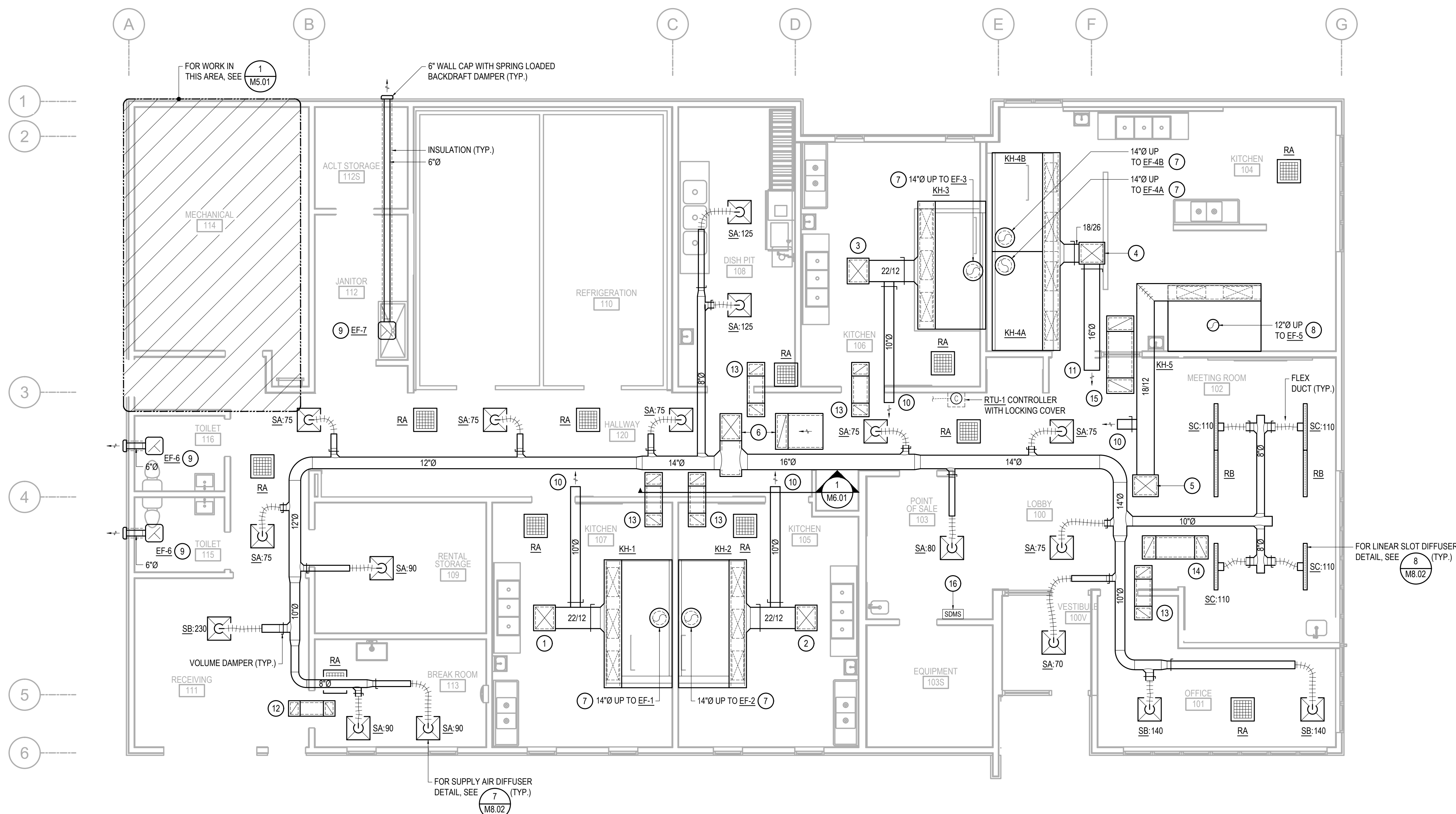
SHEET NO.  
M3.01

**SHEET NOTES**

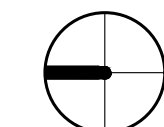
- BRANCH DUCTWORK TO INDIVIDUAL DIFFUSERS SHALL EQUAL THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
- COORDINATE FINAL DIFFUSER AND GRILLE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, ELECTRICAL LIGHTING PLANS AND SPRINKLER PLANS.
- INDICATED DUCT DIMENSIONS ARE INSIDE DIMENSIONS. INCREASE DUCT SIZE TO ALLOW FOR SOUNDLINING THICKNESS.

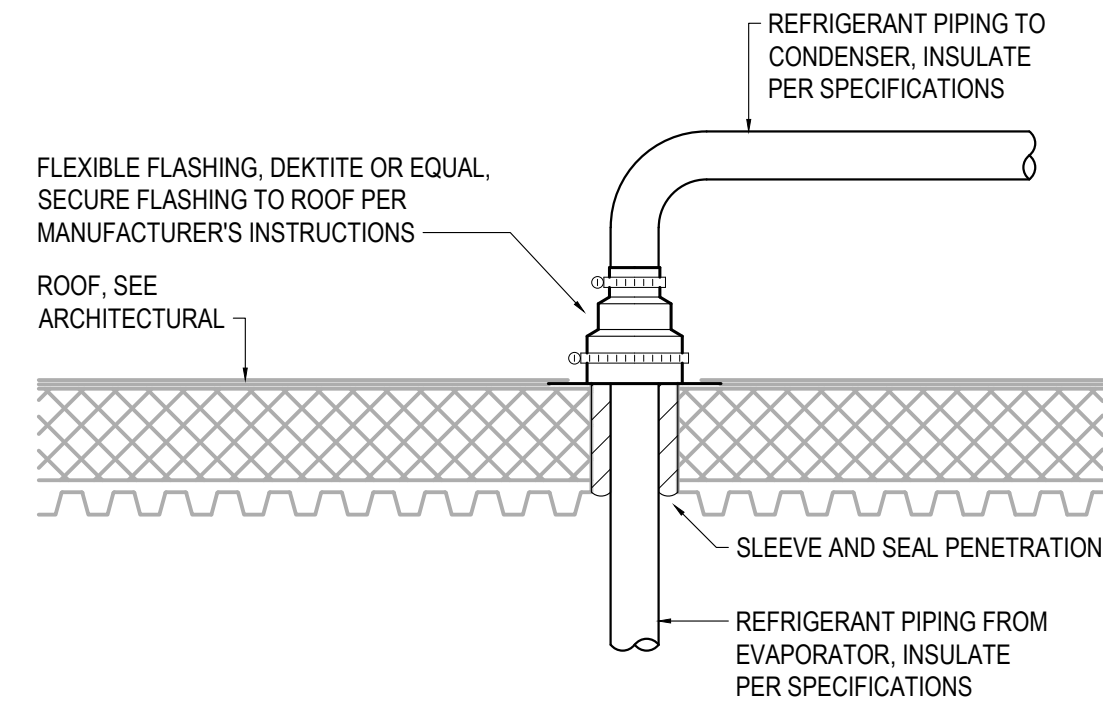
**KEY NOTES**

- SOUNDLINED SUPPLY AIR DUCT FULL SIZE OF UNIT OPENING UP TO MAU-1. SEE, 3/M8.03.
- SOUNDLINED SUPPLY AIR DUCT FULL SIZE OF UNIT OPENING UP TO MAU-2. SEE, 3/M8.03.
- SOUNDLINED SUPPLY AIR DUCT FULL SIZE OF UNIT OPENING UP TO MAU-3. SEE, 3/M8.03.
- SOUNDLINED SUPPLY AIR DUCT FULL SIZE OF UNIT OPENING UP TO MAU-4. SEE, 3/M8.03.
- SOUNDLINED SUPPLY AIR DUCT FULL SIZE OF UNIT OPENING UP TO MAU-5. SEE, 3/M8.03.
- SOUNDLINED SUPPLY AIR DUCT AND SOUNDLINED RETURN AIR DUCT UP TO RTU-1.
- FOR KITCHEN GREASE TYPE I FAN DETAIL, SEE 4/M8.03.
- FOR UPBLAST TYPE II FAN DETAIL, SEE 1/M8.03.
- FOR EXHAUST FAN DETAIL, SEE 10/M8.02.
- 10"Ø SUPPLY DUCT TO BE MOUNTED HIGH IN CEILING SPACE AND EXTENDED INTO CORRIDOR PLENUM. BALANCE AIRFLOW AT 320 CFM.
- 16"Ø SUPPLY DUCT TO BE MOUNTED HIGH IN CEILING SPACE AND EXTENDED INTO CORRIDOR PLENUM. BALANCE AIR FLOW AT 1,320 CFM.
- PROVIDE 12/8 TRANSFER AIR ELBOW IN WALL ABOVE CEILING. SEE 6/M8.03.
- PROVIDE 14/10 TRANSFER AIR ELBOW IN WALL ABOVE CEILING. SEE 6/M8.03.
- PROVIDE 20/10 TRANSFER AIR ELBOW IN WALL ABOVE CEILING. SEE 6/M8.03.
- PROVIDE 24/12 TRANSFER AIR ELBOW IN WALL ABOVE CEILING. SEE 6/M8.03.
- PROVIDE REMOTE SMOKE DETECTOR MONITORING STATION(S) WITH VISUAL AND AUDIBLE SIGNAL AS REQUIRED PER IMC 606.4.1. FINAL LOCATION AS APPROVED BY AHJ.



**1 VENTILATION PLAN**  
SCALE: 3/16 = 1'-0"





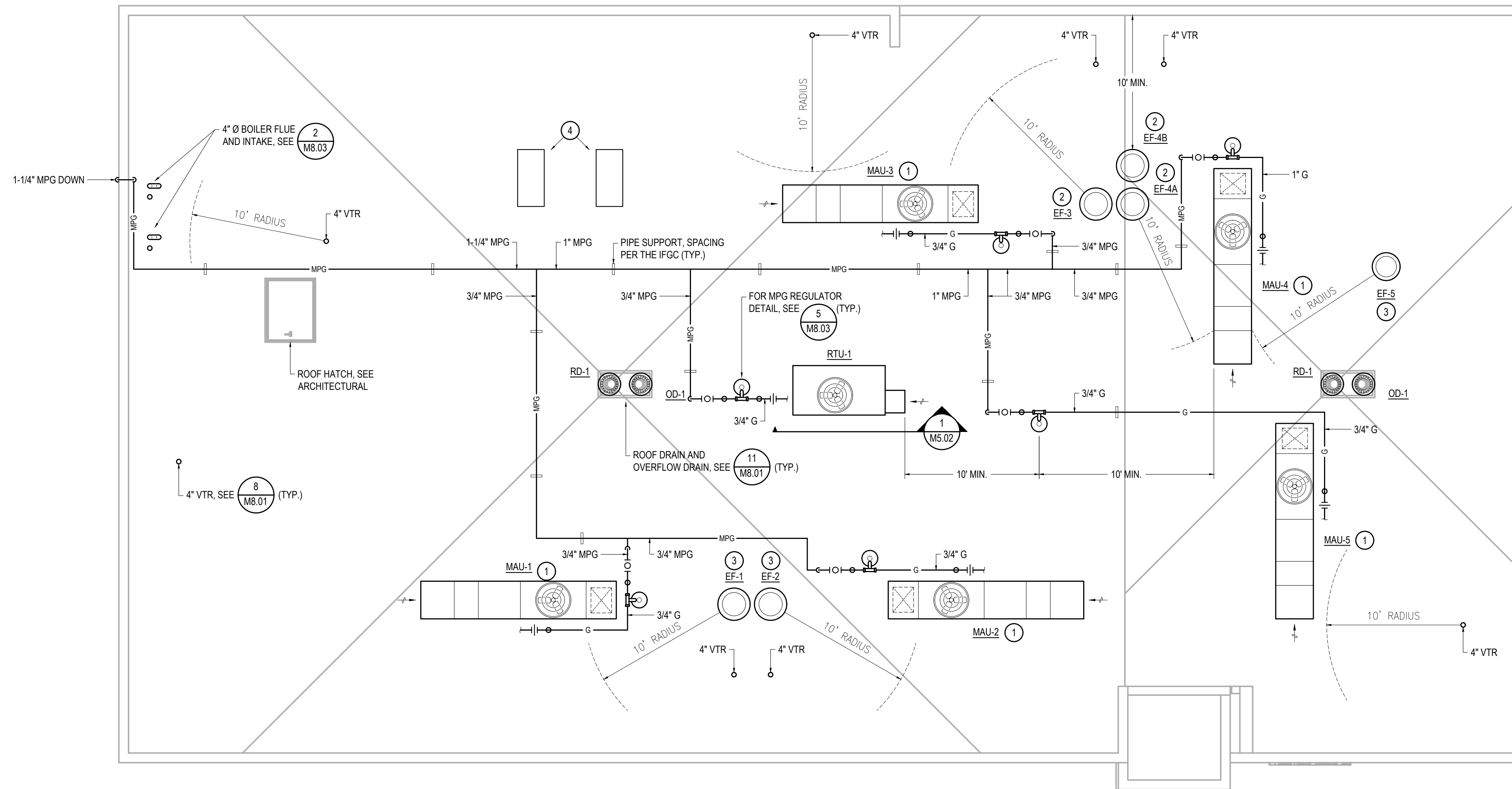
**2** PIPE ROOF PENETRATION DETAIL  
SCALE: NONE

**SHEET NOTES**

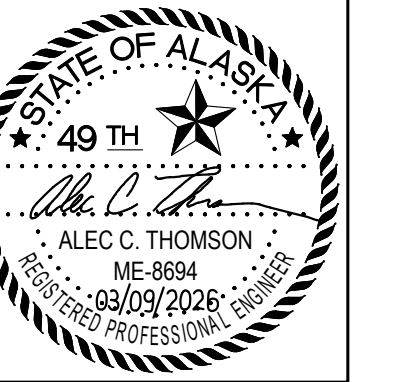
1. PROVIDE PIPE SUPPORTS FOR ROOF MOUNTED GAS PIPING PER UPC AND IFGC. SUPPORTS 6" HIGH MINIMUM WITH STRAP AND PAD TO PROTECT ROOF MEMBRANE.

**KEY NOTES**

- 1 FOR MAKE-UP AIR UNIT DETAIL, SEE 3/M8.03.
- 2 FOR KITCHEN GREASE TYPE I FAN DETAIL, SEE 4/M8.03.
- 3 FOR UPBLAST TYPE II FAN DETAIL, SEE 1/M8.03.
- 4 REFER TO KITCHEN EQUIPMENT SUPPLIER DRAWINGS FOR REFRIGERATION CONDENSER EQUIPMENT LOCATION AND QUANTITY. SEE 2/M4.01 FOR ROOF PIPING PENETRATION DETAIL.



**1** MECHANICAL ROOF PLAN  
SCALE: 3/16" = 1'-0"



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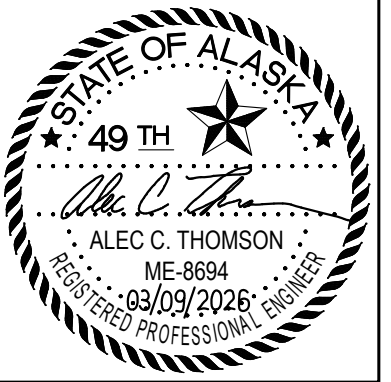
ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
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SHEET NAME  
MECHANICAL ROOF PLAN

SHEET NO.  
**M4.01**



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**ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Plan Review Corrections	02.04.2026
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN KMR  
 REVIEWED ACT

SHEET NAME  
 MECHANICAL ROOM PLAN

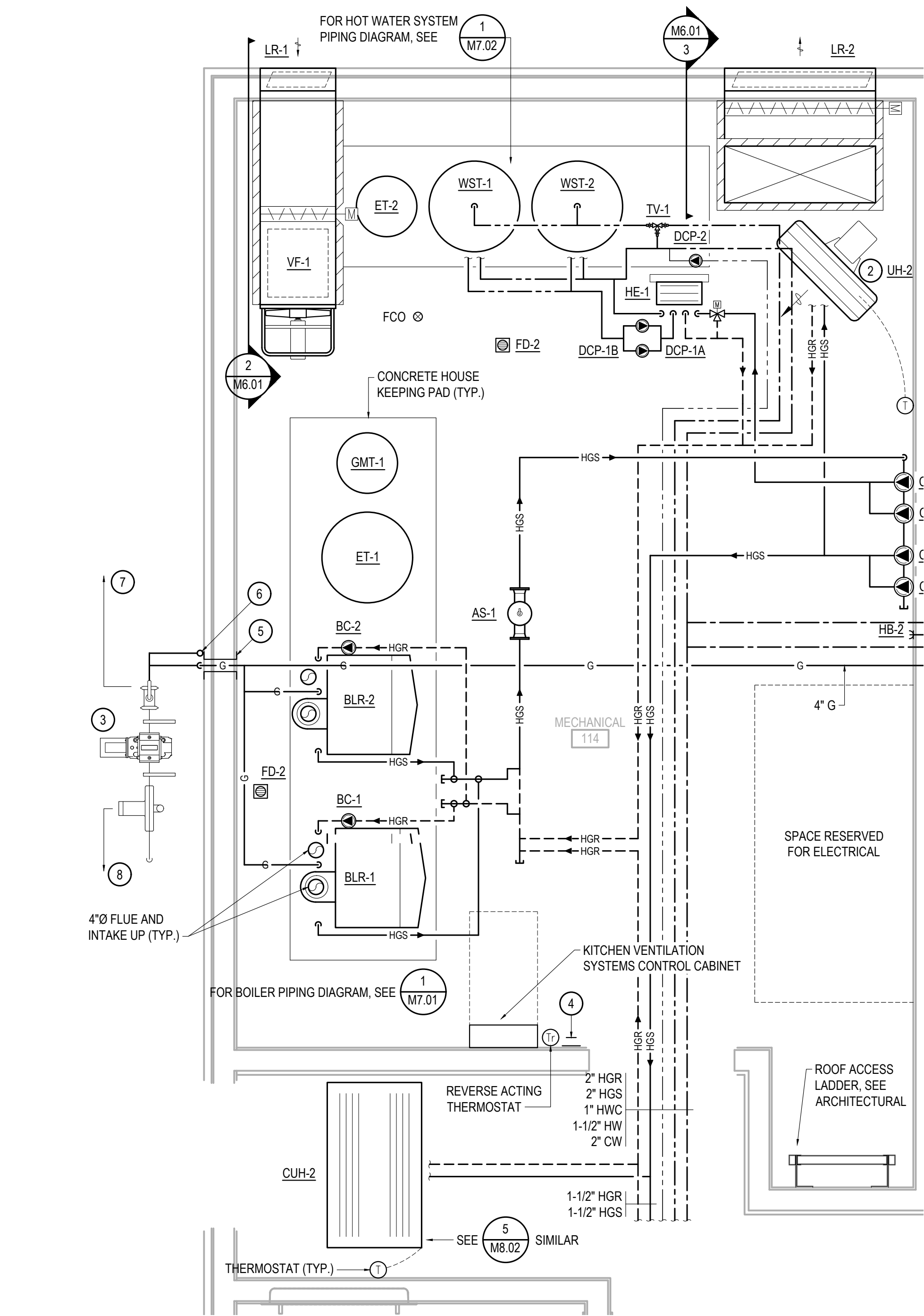
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**M5.01**

**SHEET NOTES**

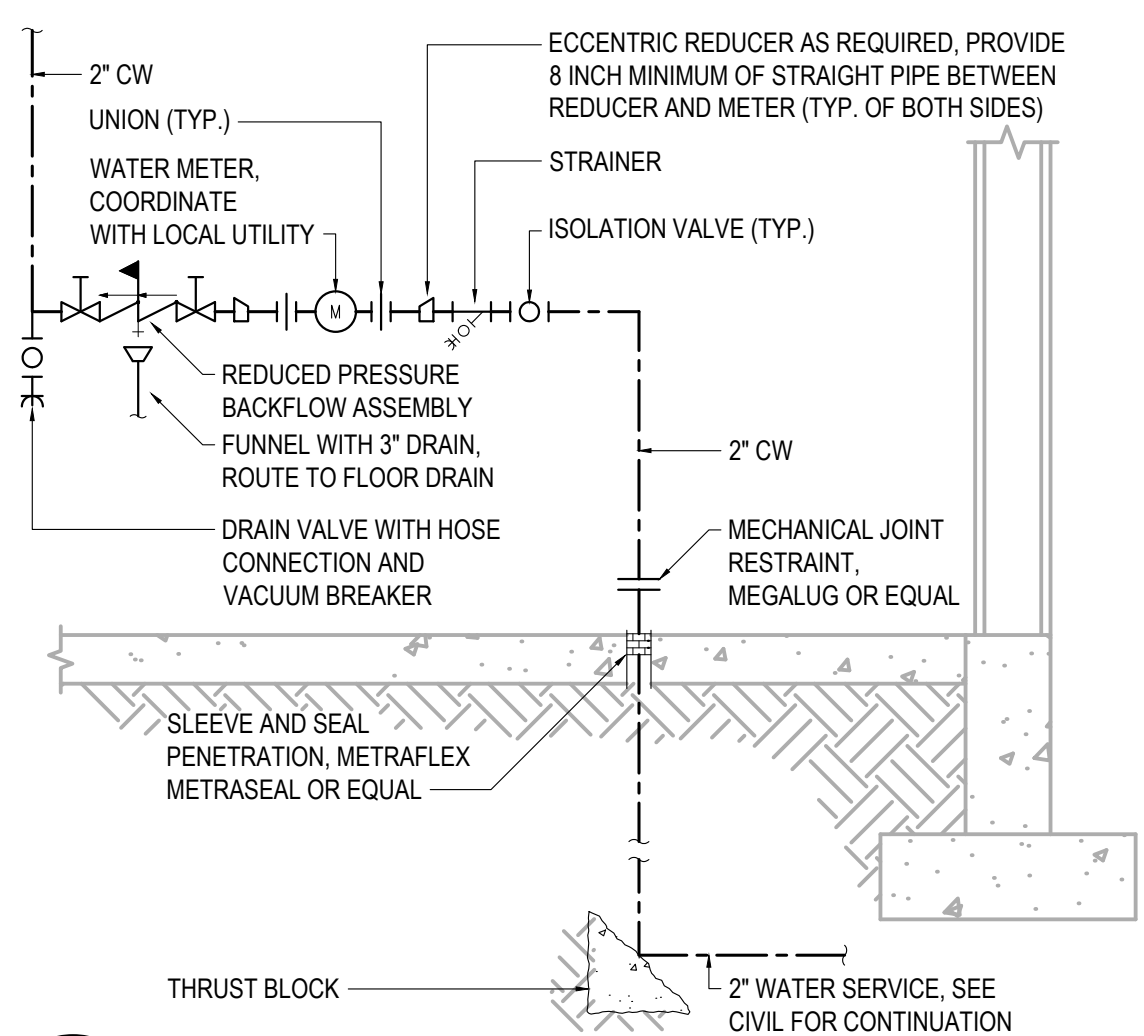
- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE INDICATED ON THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED.
- BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS OF 3 GPM OR LESS SHALL BE 3/4" UNLESS OTHERWISE INDICATED ON PLANS OR SCHEDULES.

**KEY NOTES**

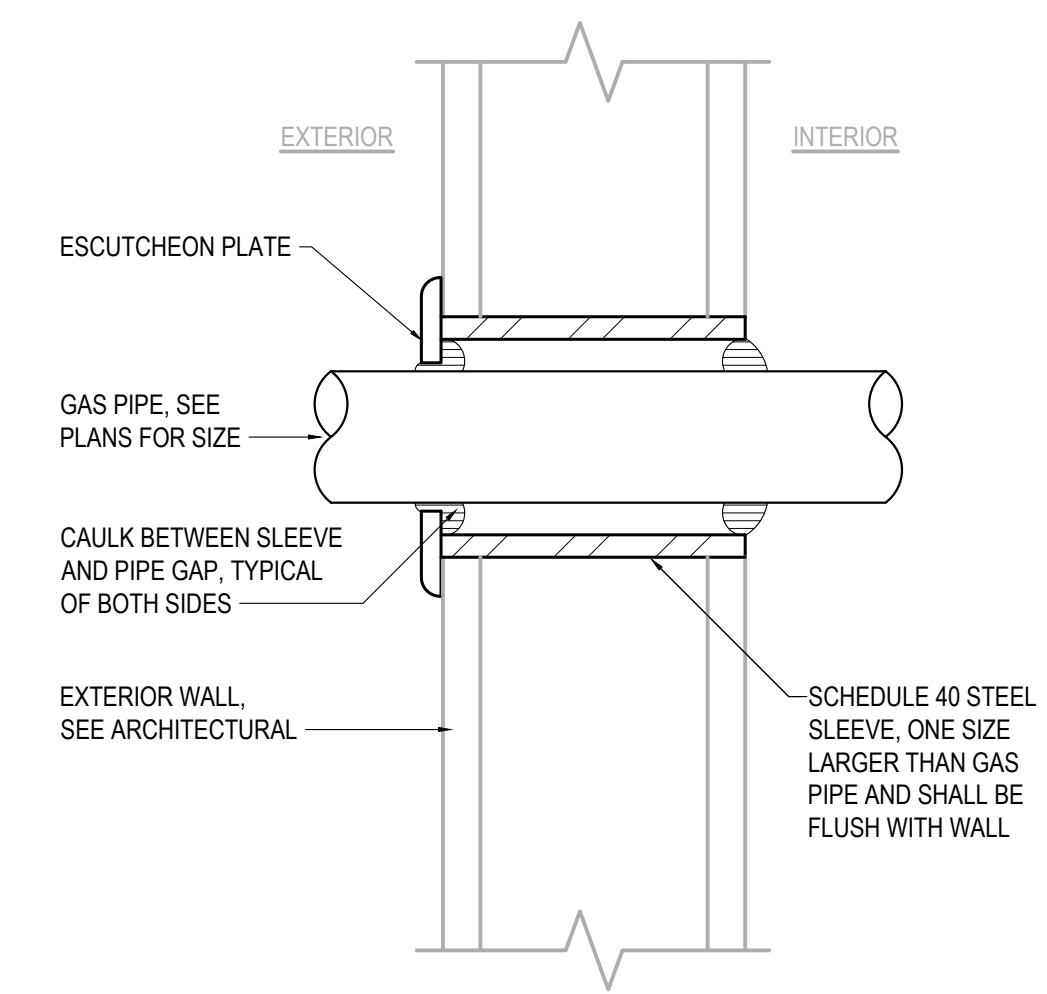
- 1/2" COLD WATER DOWN TO TRAP PRIMER, TP-1. SEE, 7/M8.01.
- FOR UNIT HEATER DETAIL, SEE 4/M8.02.
- FOR GAS METER AND GAS PIPING DIAGRAM, SEE 1/M7.03.
- EMERGENCY BOILER CUT-OFF SWITCH.
- FOR PIPE PENETRATION DETAIL, SEE 3/M5.01.
- 1-1/4" MPG UP.
- 36" MINIMUM FROM ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL.
- 36" MINIMUM FROM DOOR.



**1 MECHANICAL ROOM PLAN**  
 SCALE: 1/2" = 1'-0"



**2 WATER SERVICE PIPING DIAGRAM**  
 SCALE: NONE



**3 GAS PIPE PENETRATION DETAIL**  
 SCALE: NONE



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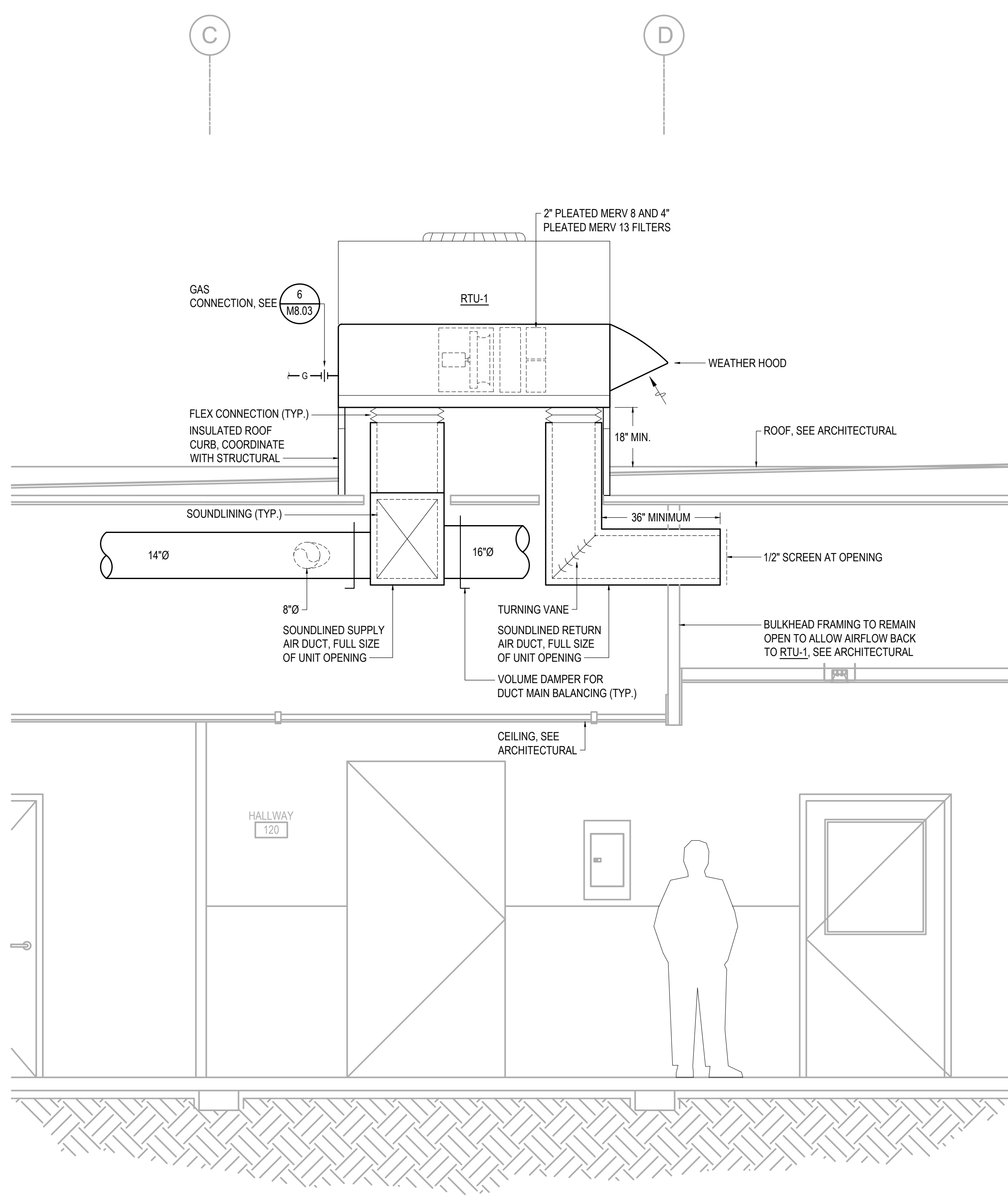
ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

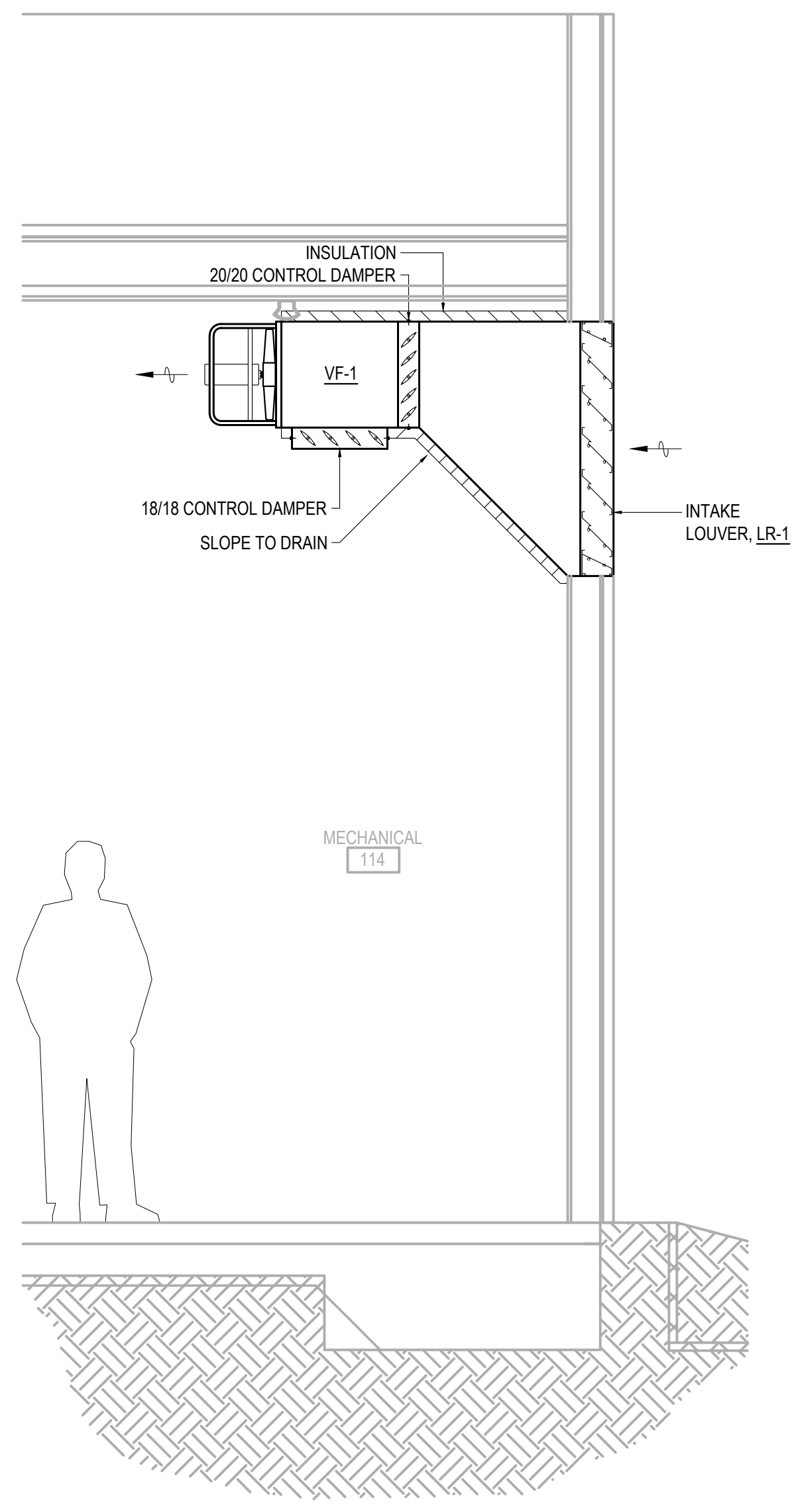
JOB NO. 2024-101.0  
 DATE 2025.02.14  
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SHEET NAME  
SECTIONS

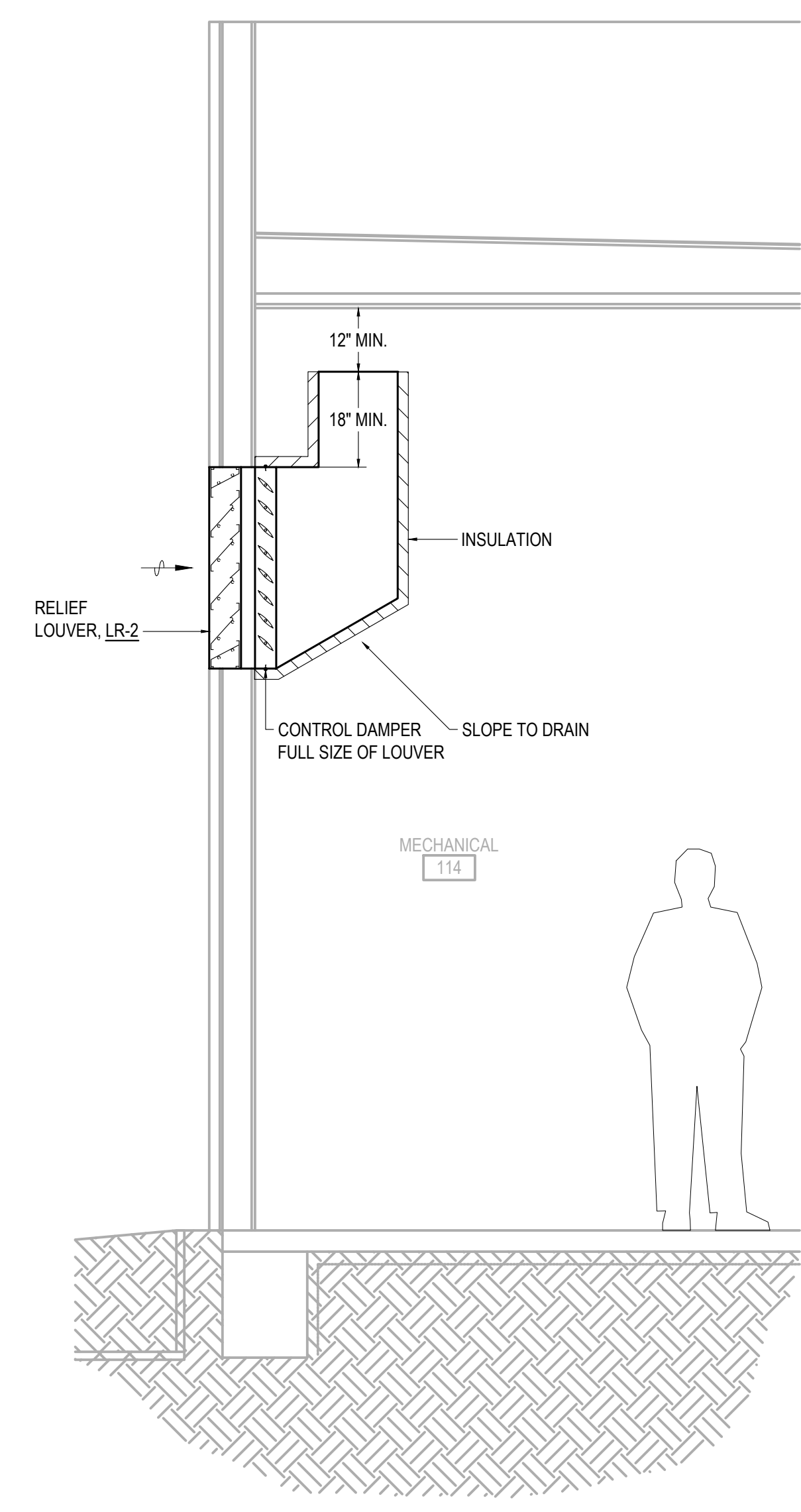
SHEET NO.  
**M6.01**



**1 RTU SECTION**  
 SCALE: 1/2" = 1'-0"



**2 VENTILATION FAN SECTION**  
 SCALE: 1/2" = 1'-0"



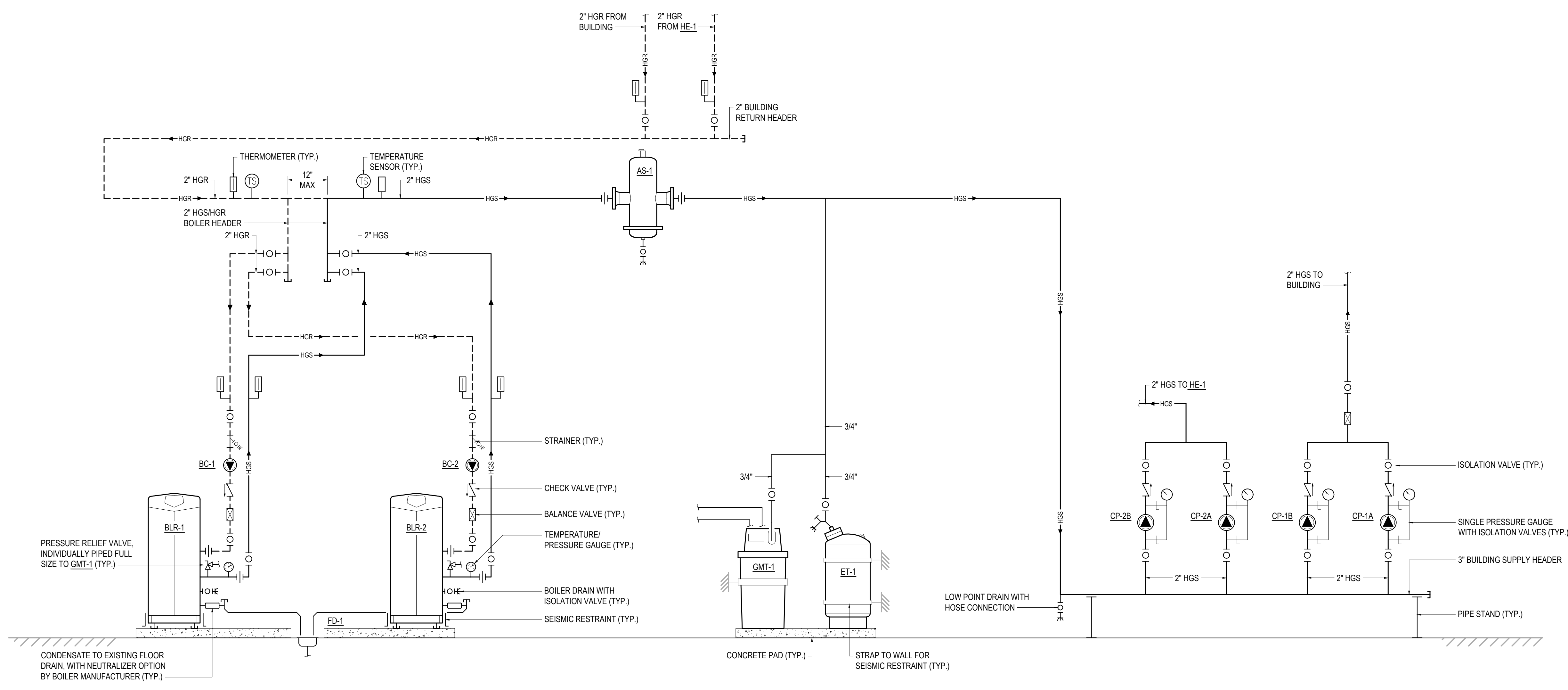
**3 RELIEF AIR SECTION**  
 SCALE: 1/2" = 1'-0"



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**ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA**



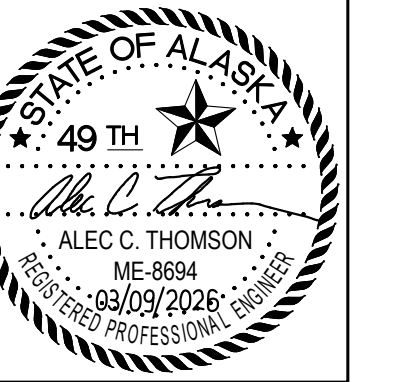
**1 BOILER SYSTEM PIPING DIAGRAM**  
 SCALE: NONE

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
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SHEET NAME  
**BOILER SYSTEM  
 PIPING DIAGRAM**

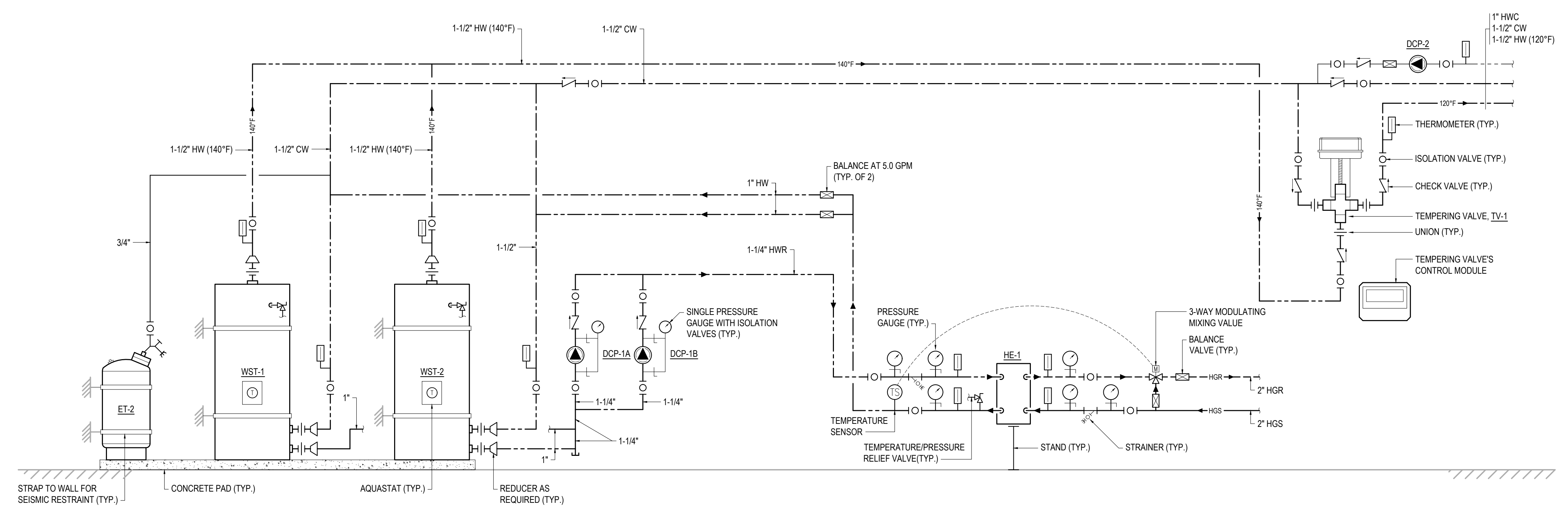
SHEET NO.  
**M7.01**



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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA



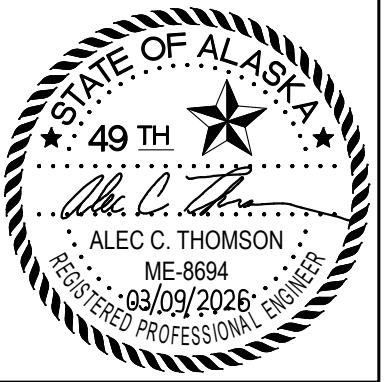
**1 DOMESTIC WATER HEATING SYSTEM DIAGRAM**  
 SCALE: NONE

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
DRAWN	KMR
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SHEET NAME  
 DOMESTIC WATER HEATER  
 SYSTEM PIPING DIAGRAM

SHEET NO.  
**M7.02**



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**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Plan Review Corrections	02.04.2026
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN KMR  
 REVIEWED ACT

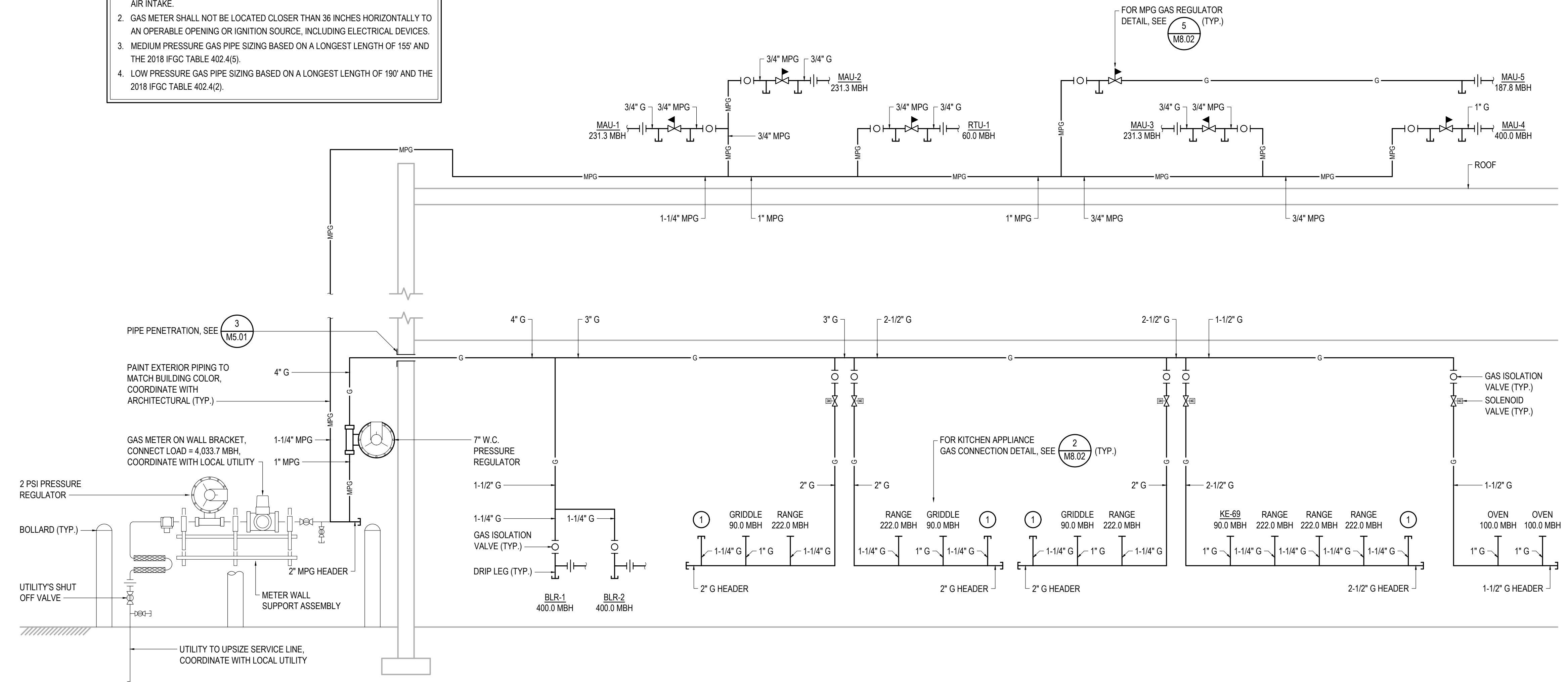
SHEET NAME  
 GAS PIPING DIAGRAM

SHEET NO.  
**M7.03**

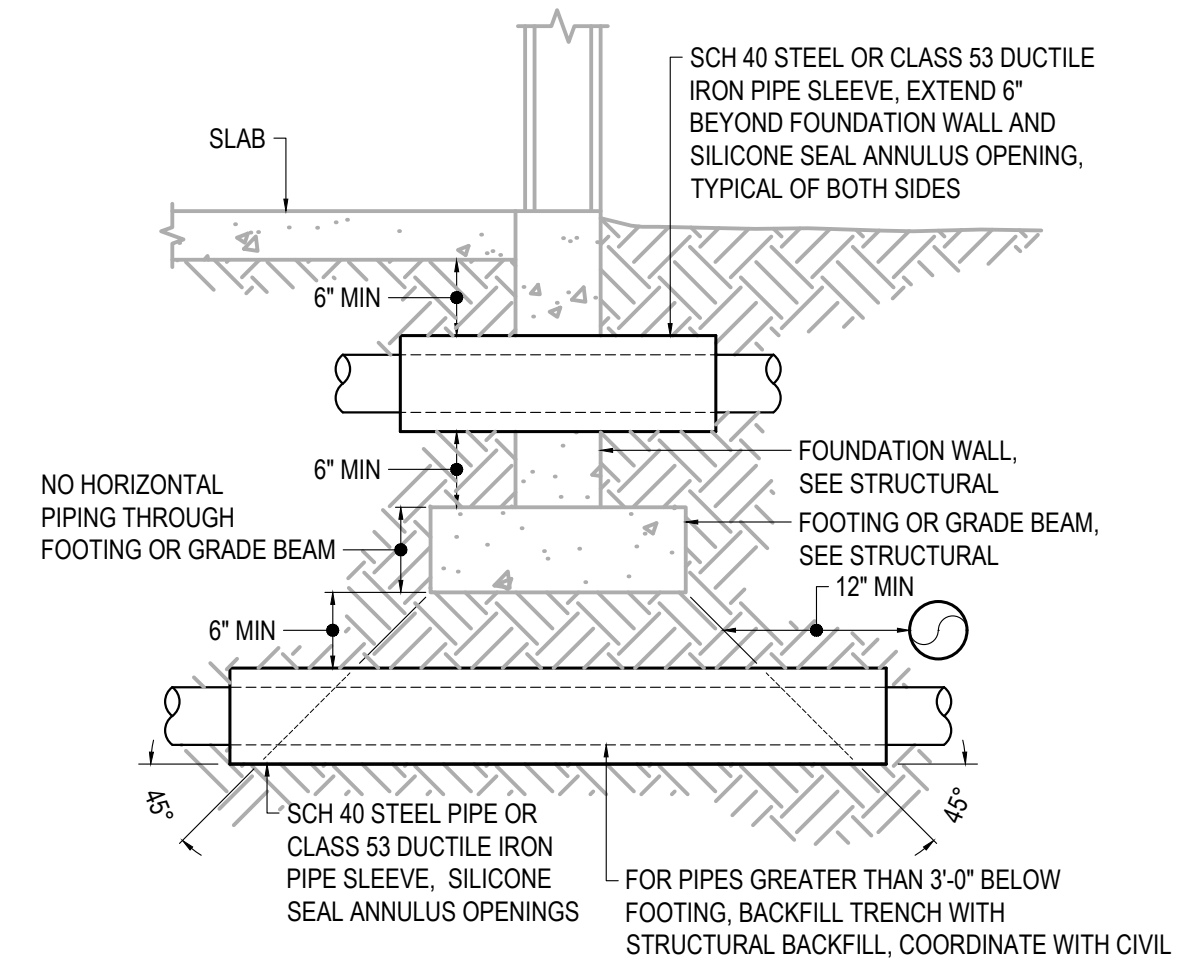
**KEY NOTES**

- 1 PROVIDE CAPPED PIPE OF THE SIZE INDICATED FOR FUTURE KITCHEN GAS APPLIANCE.

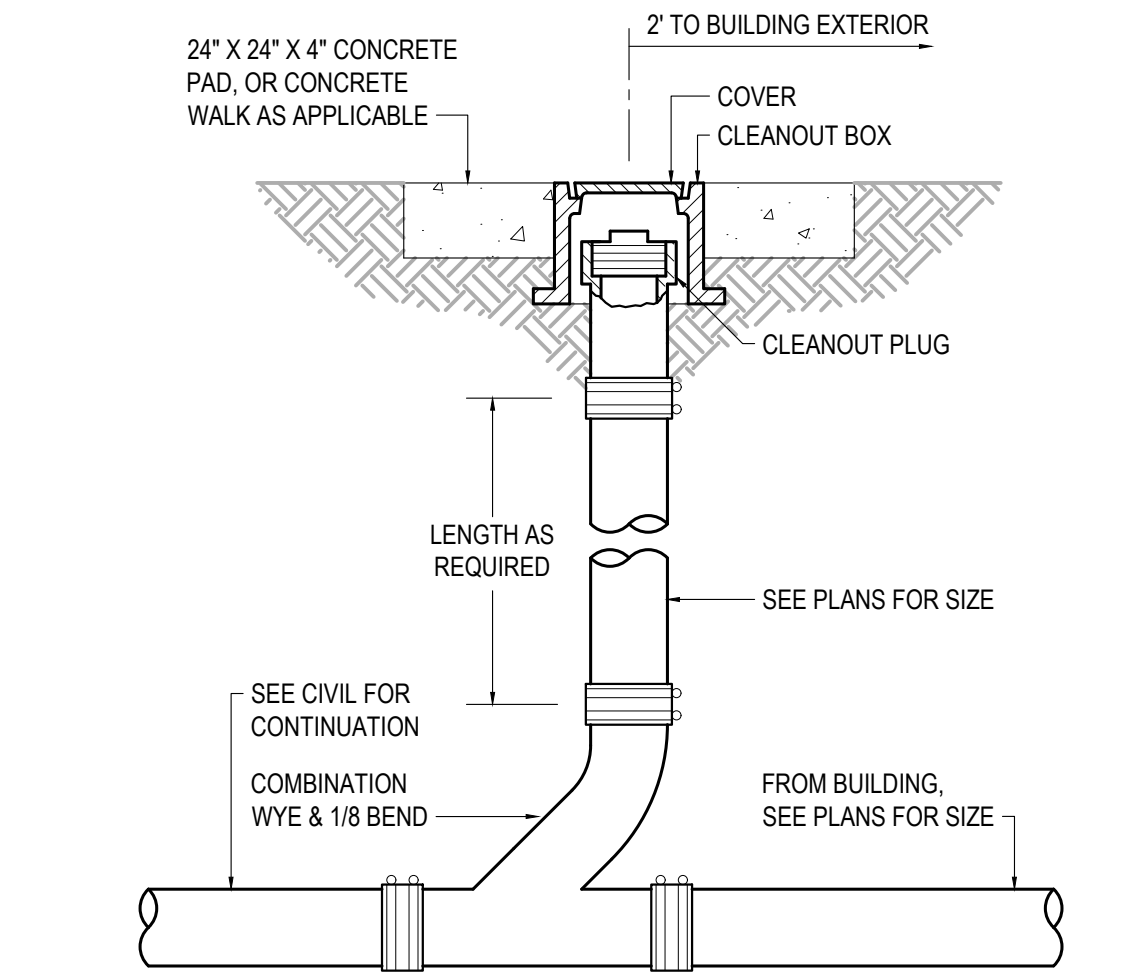
- NOTES:**
- METER MUST BE LOCATED AT LEAST 10 FEET FROM A GRAVITY OR MECHANICAL AIR INTAKE.
  - GAS METER SHALL NOT BE LOCATED CLOSER THAN 36 INCHES HORIZONTALLY TO AN OPERABLE OPENING OR IGNITION SOURCE, INCLUDING ELECTRICAL DEVICES.
  - MEDIUM PRESSURE GAS PIPE SIZING BASED ON A LONGEST LENGTH OF 155' AND THE 2018 IFGC TABLE 402.4(5).
  - LOW PRESSURE GAS PIPE SIZING BASED ON A LONGEST LENGTH OF 190' AND THE 2018 IFGC TABLE 402.4(2).



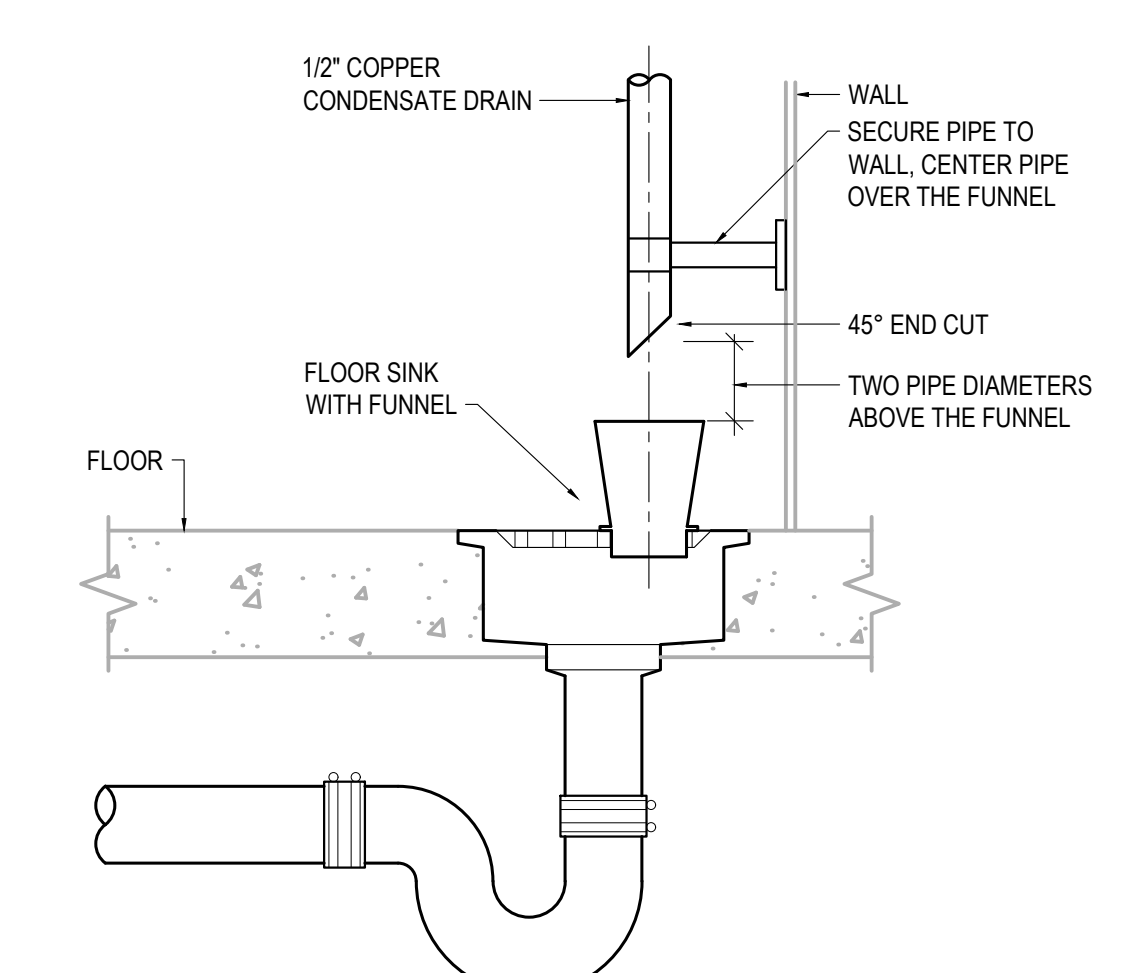
**1 GAS PIPING DIAGRAM**  
 SCALE: NONE



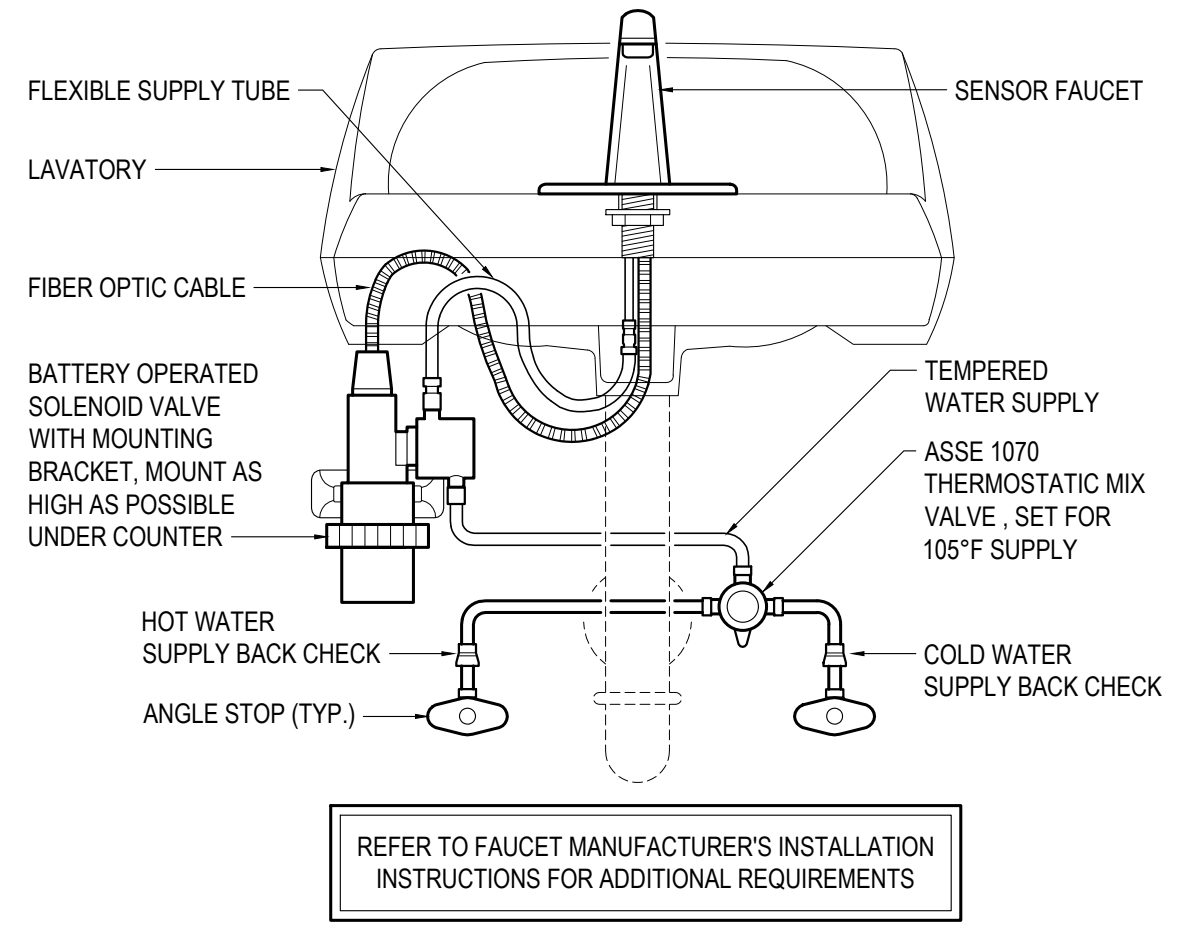
**1 PIPE AT FOOTING DETAIL**  
SCALE: NONE



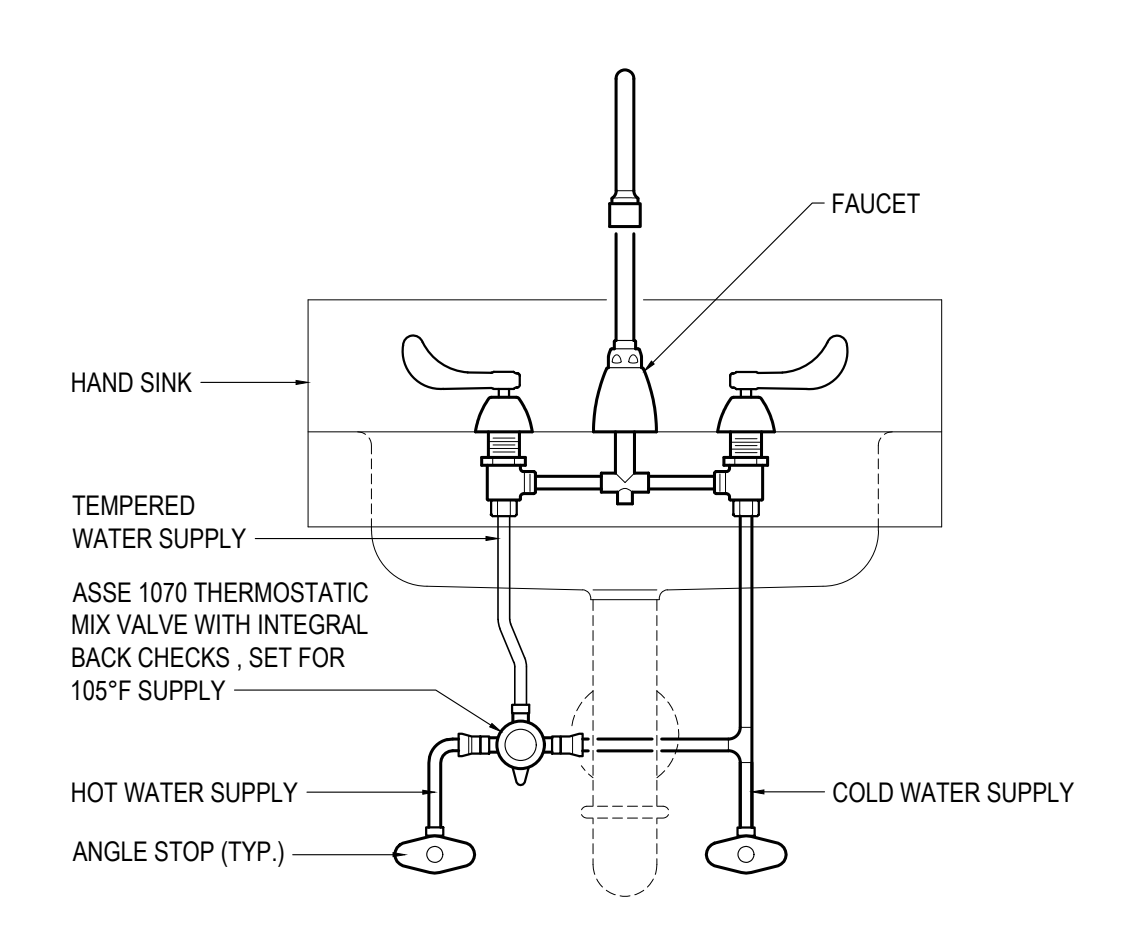
**2 YARD CLEANOUT DETAIL**  
SCALE: NONE



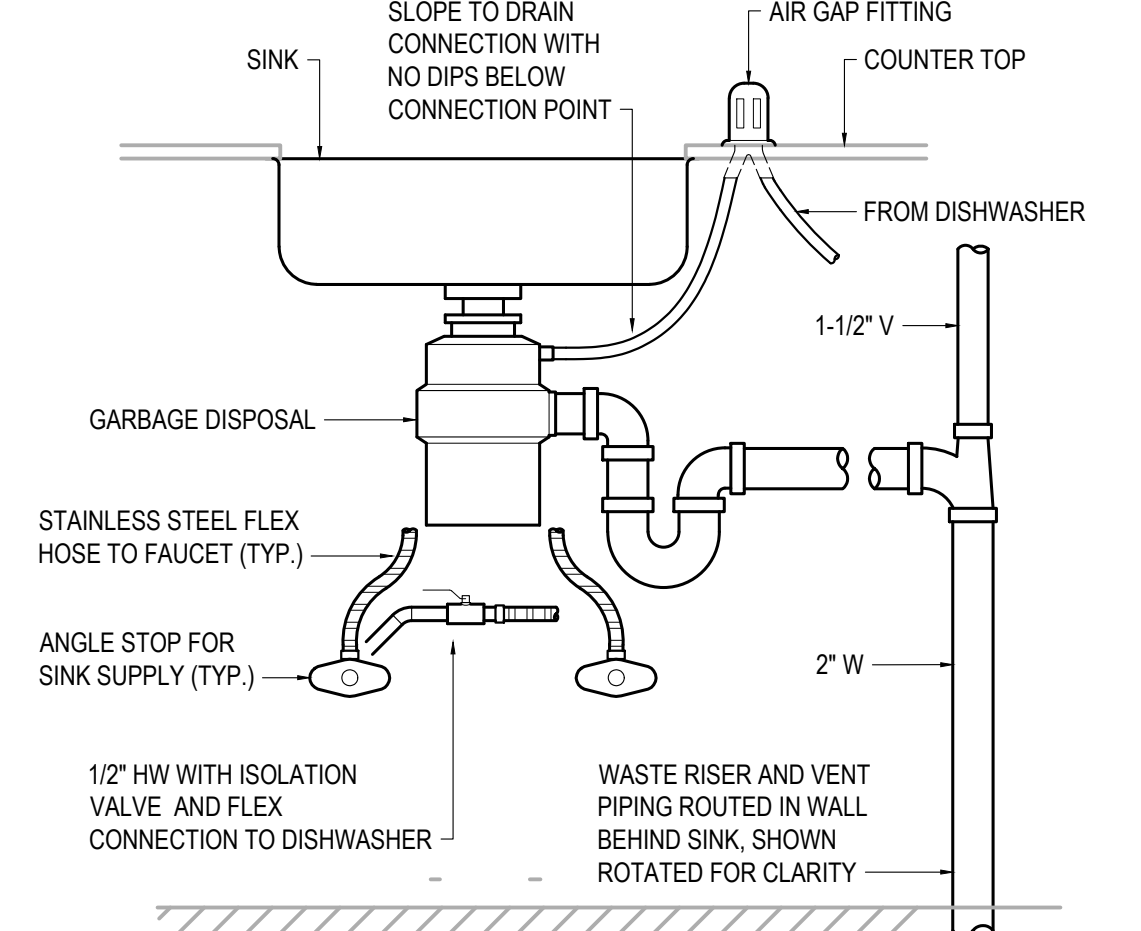
**3 CONDENSATE DRAIN DETAIL**  
SCALE: NONE



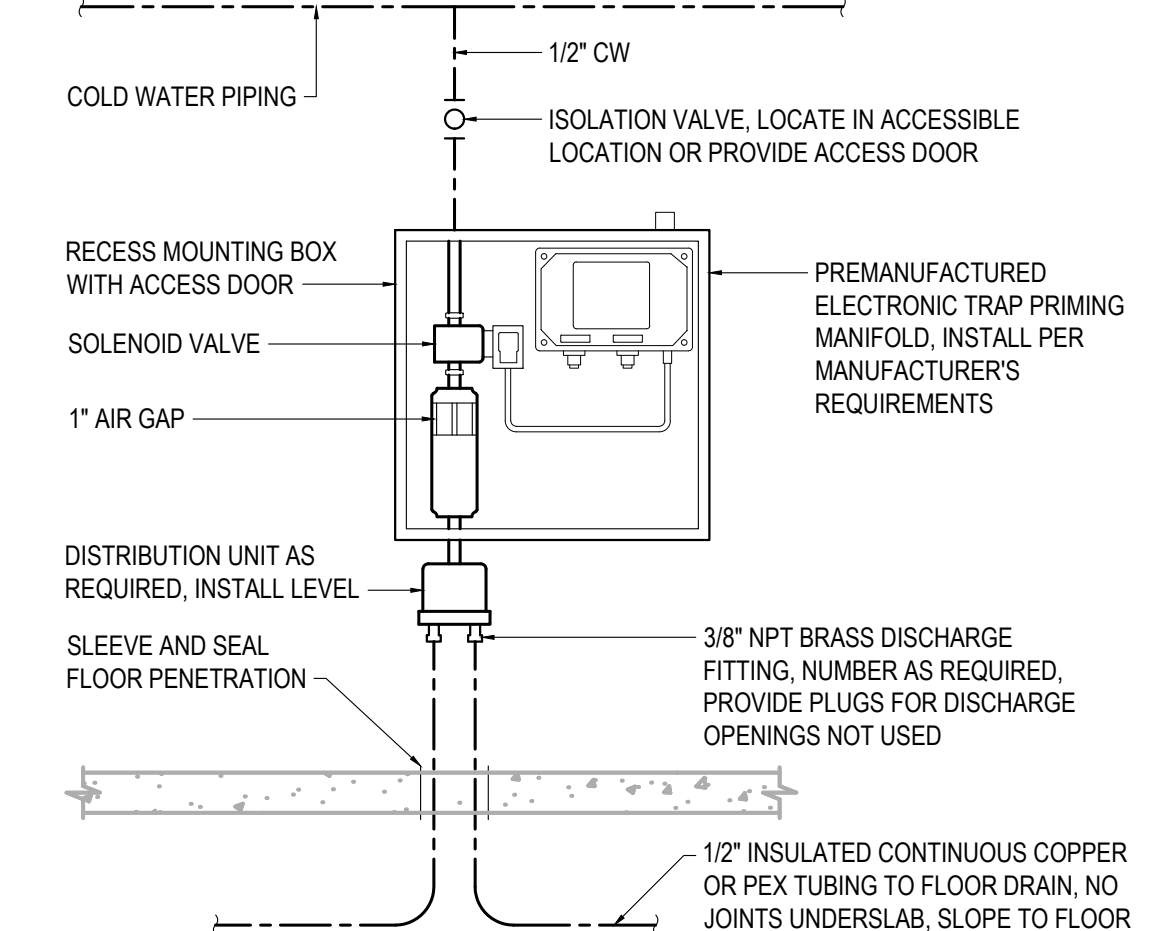
**4 LAVATORY PIPING DETAIL**  
SCALE: NONE



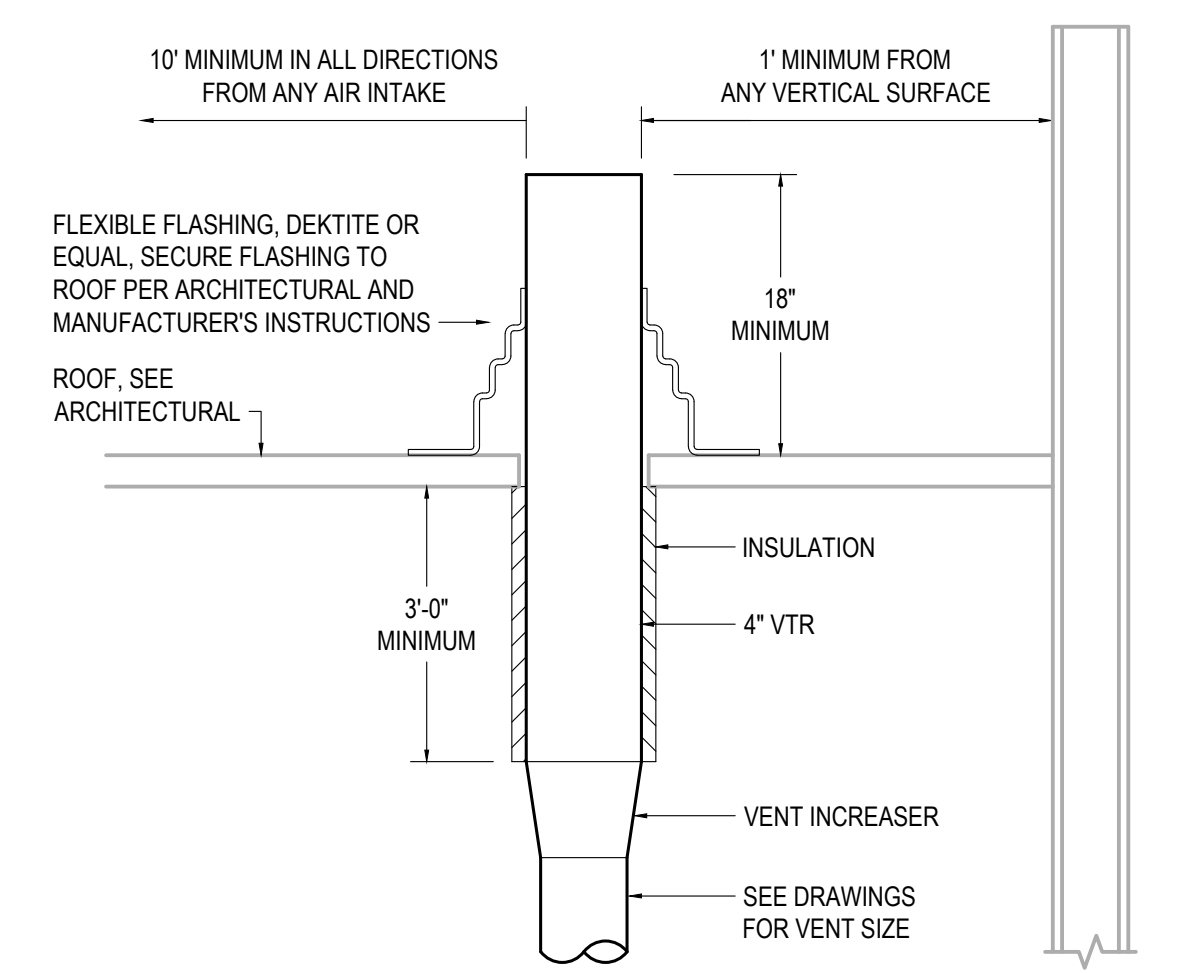
**5 KITCHEN HAND SINK DETAIL**  
SCALE: NONE



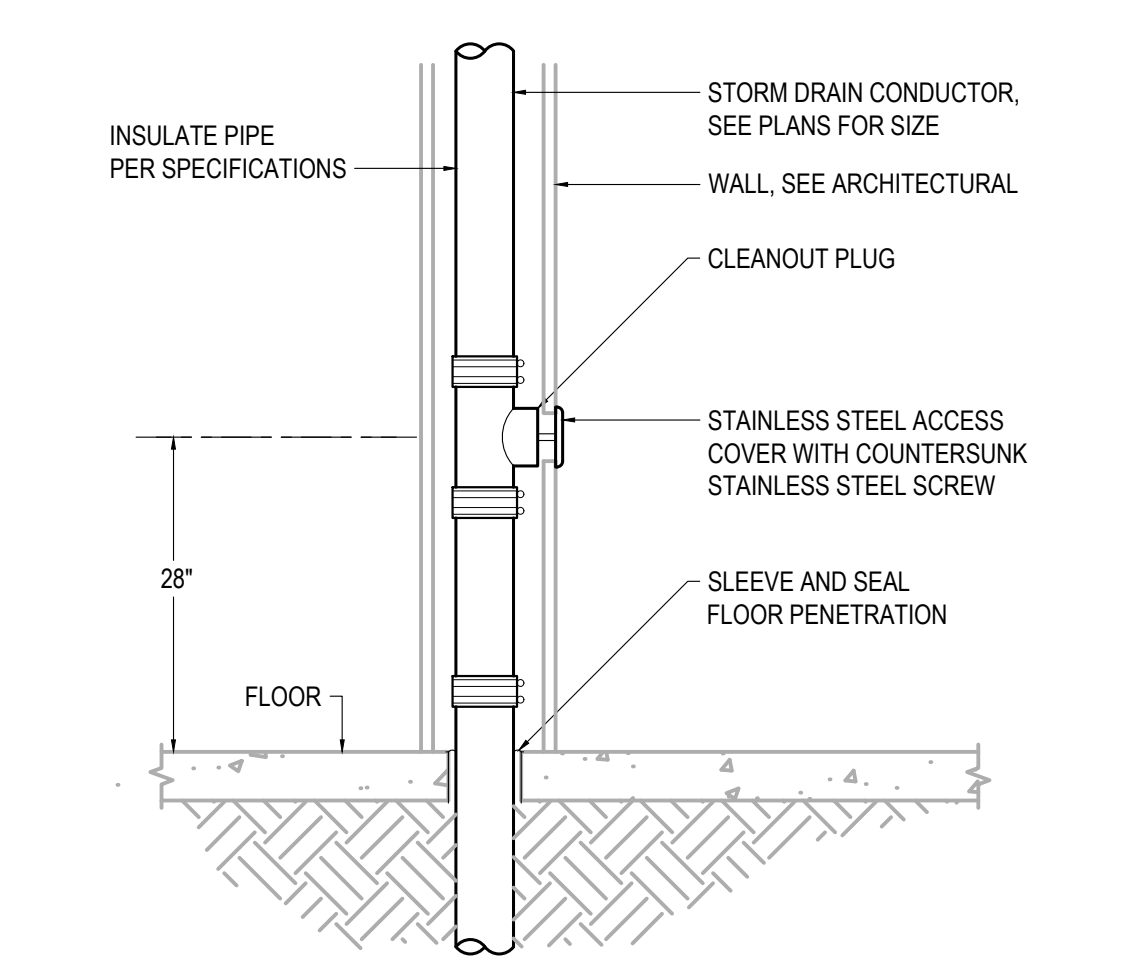
**6 BREAKROOM SINK DETAIL**  
SCALE: NONE



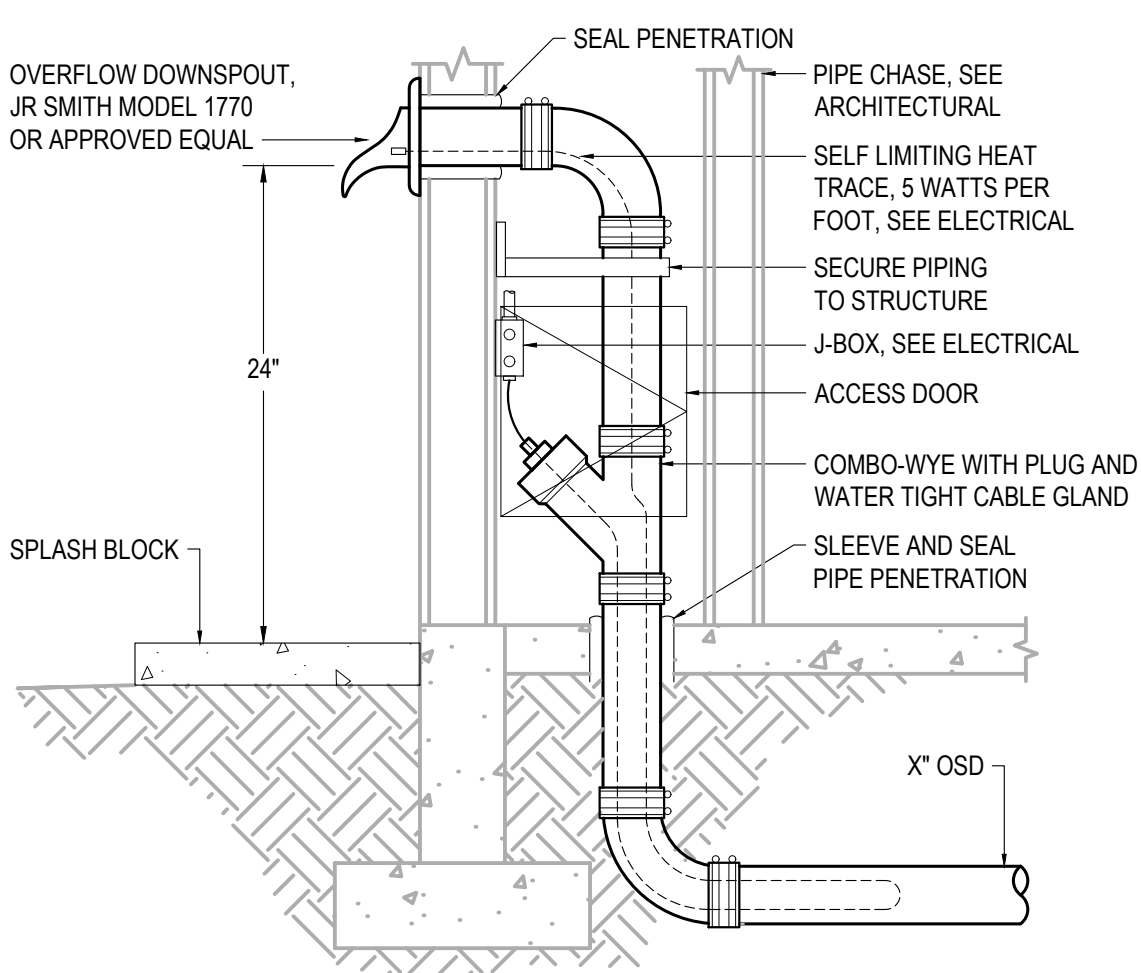
**7 TRAP PRIMER DETAIL**  
SCALE: NONE



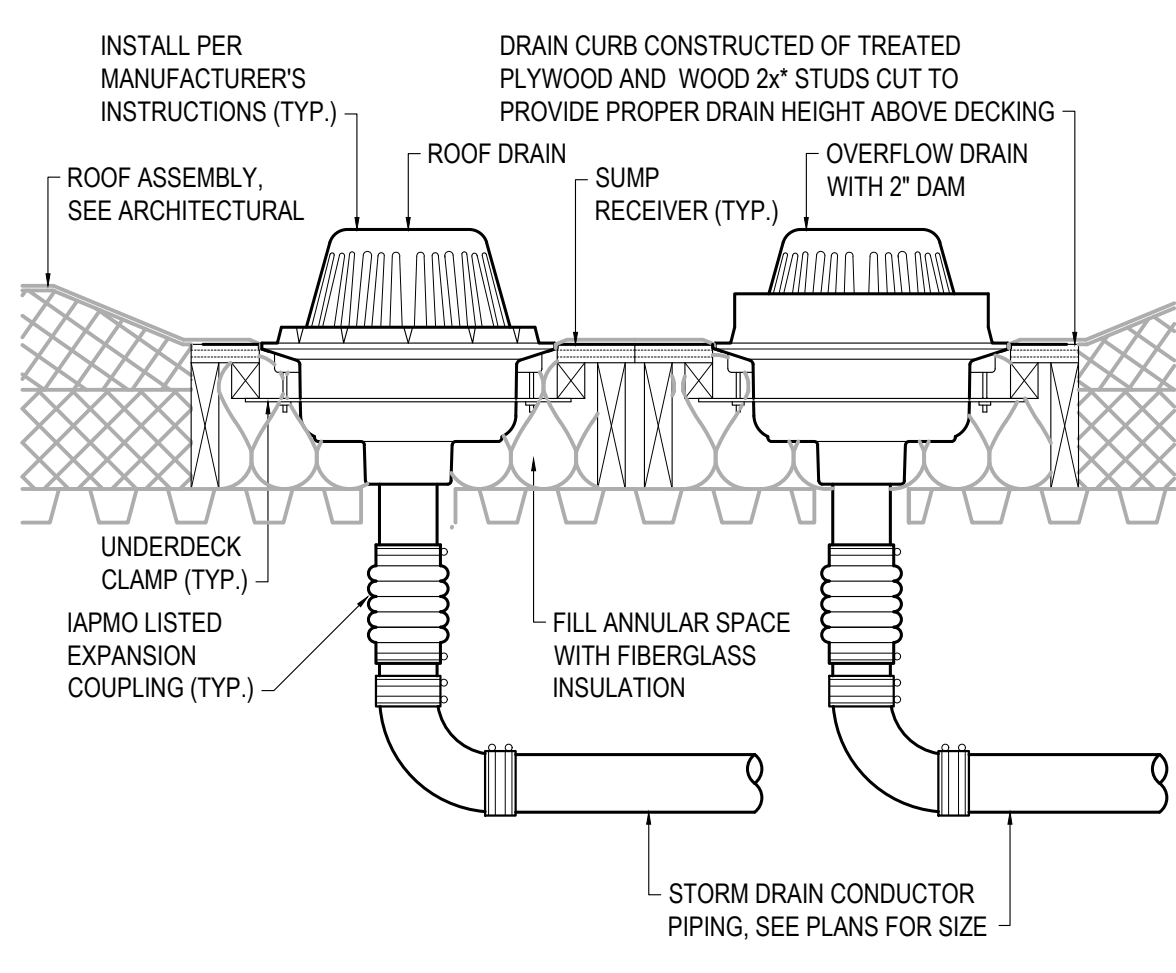
**8 VENT THROUGH ROOF DETAIL**  
SCALE: NONE



**9 STORM DRAIN CLEANOUT DETAIL**  
SCALE: NONE



**10 OVERFLOW DOWNSPOUT DETAIL**  
SCALE: NONE



**11 ROOF & OVERFLOW DRAIN DETAIL**  
SCALE: NONE



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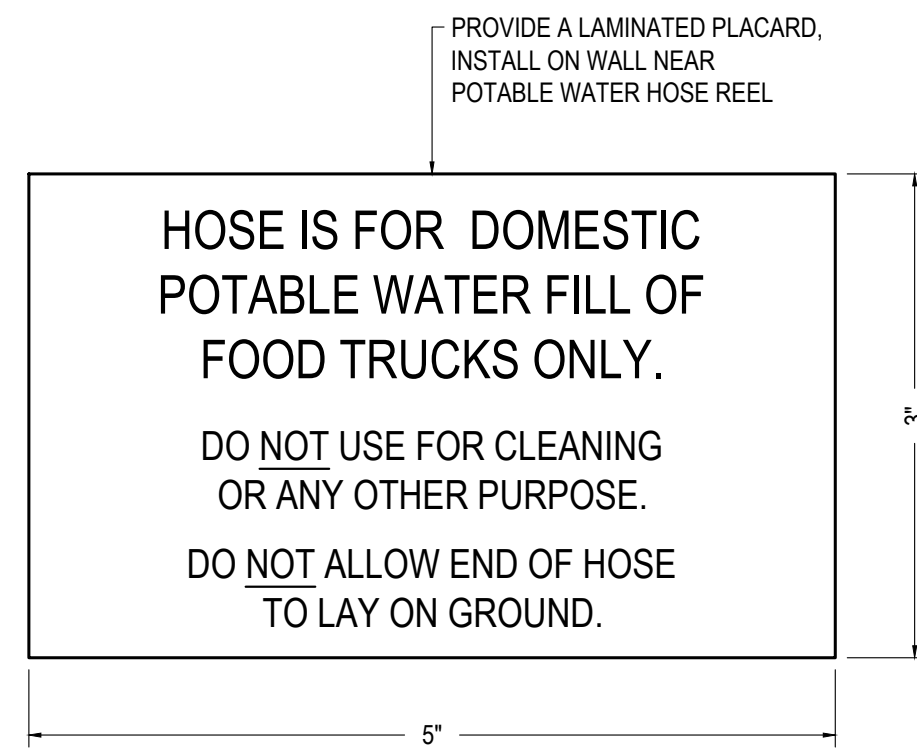
**ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

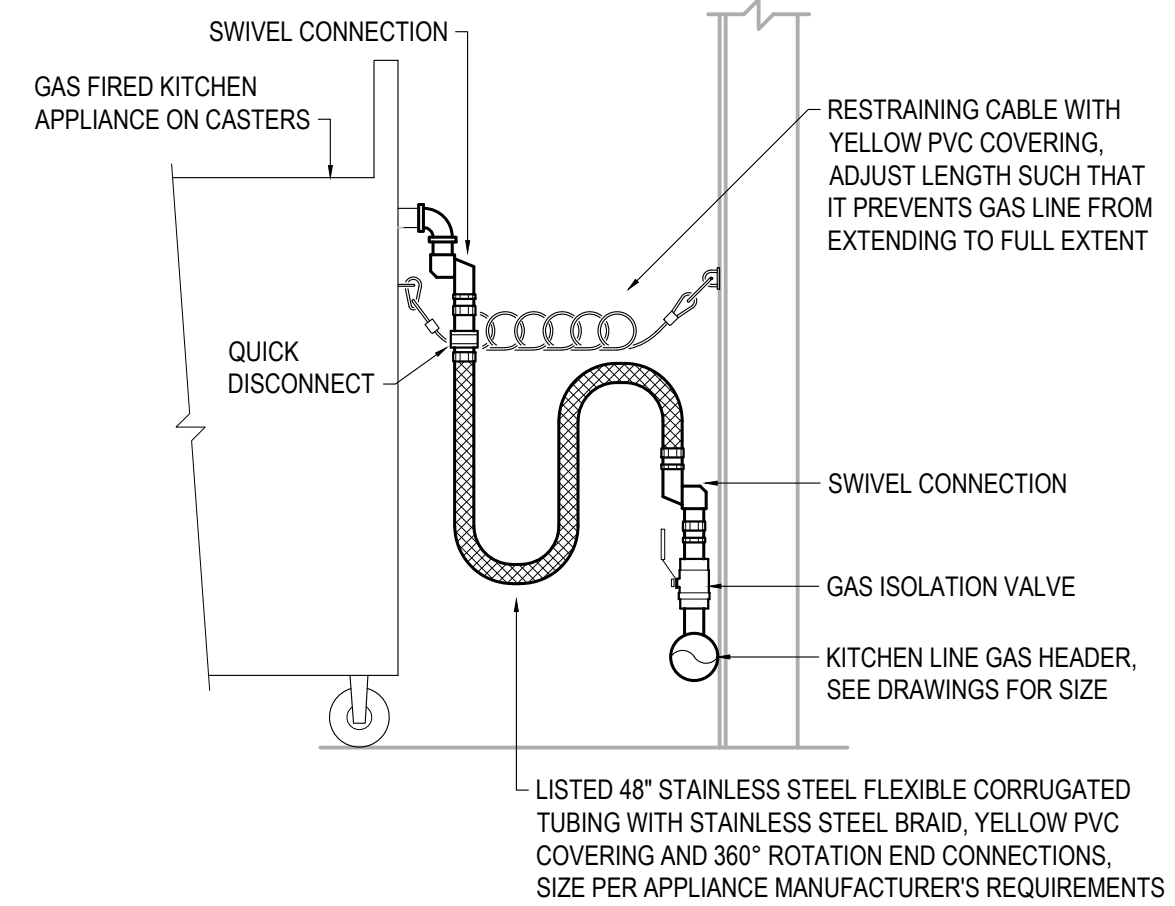
JOB NO. 2024.101.0  
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SHEET NAME  
 MECHANICAL DETAILS

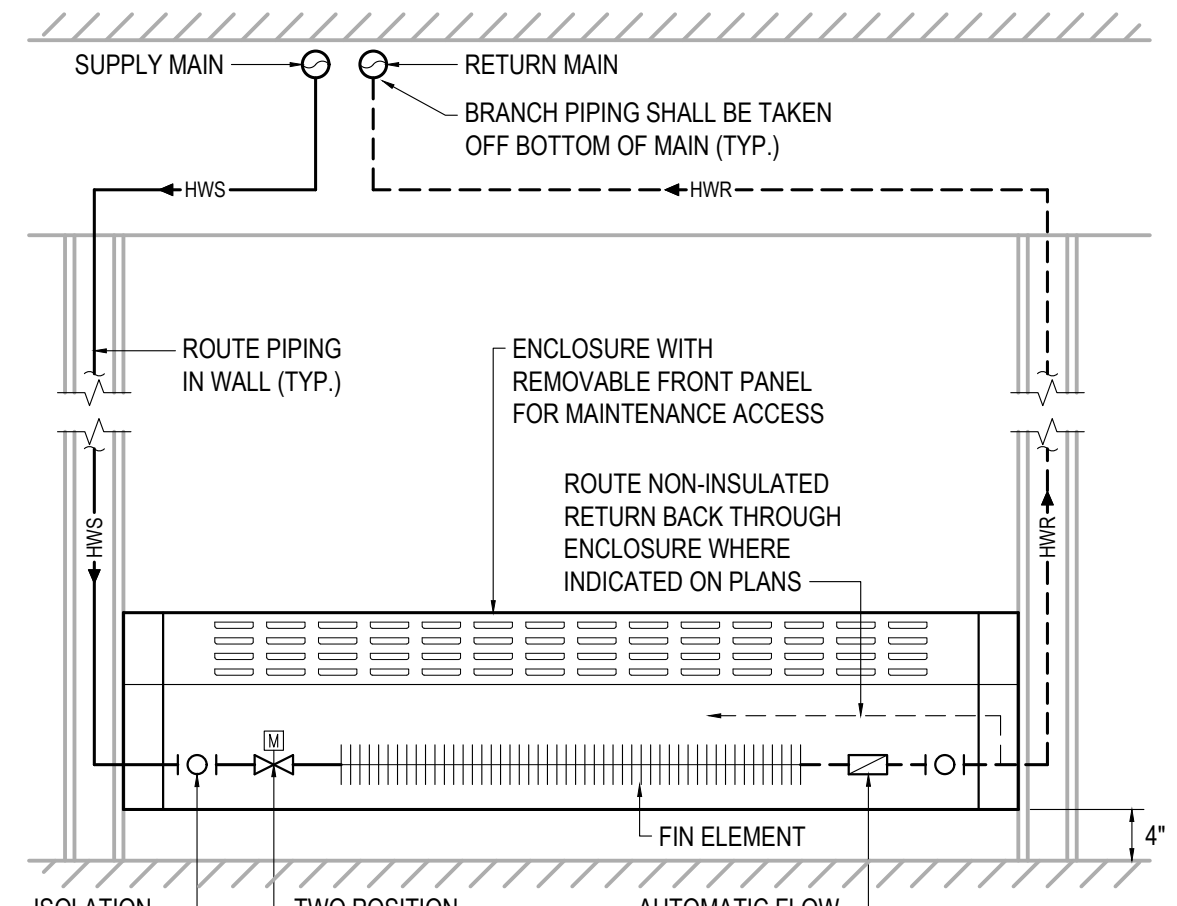
SHEET NO.  
**M8.01**



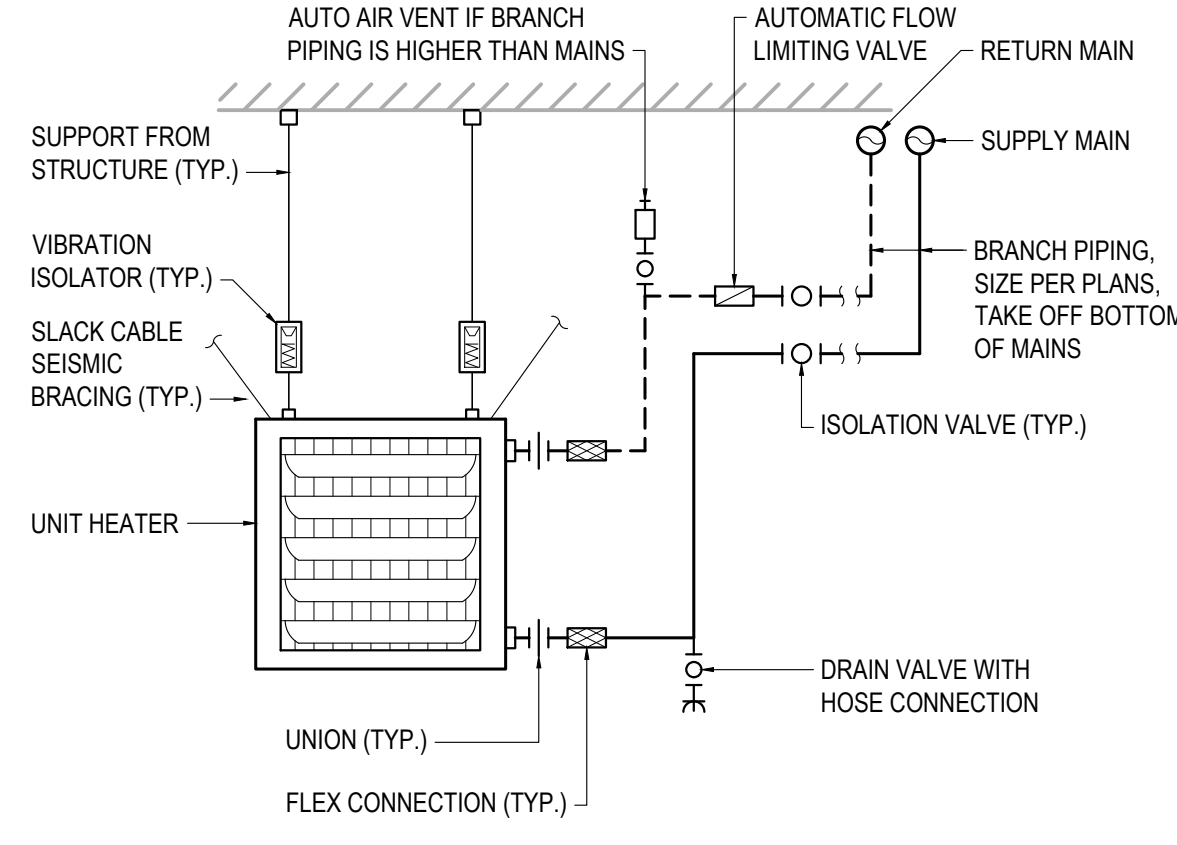
**1 HOSE REEL LABEL DETAIL**  
SCALE: NONE



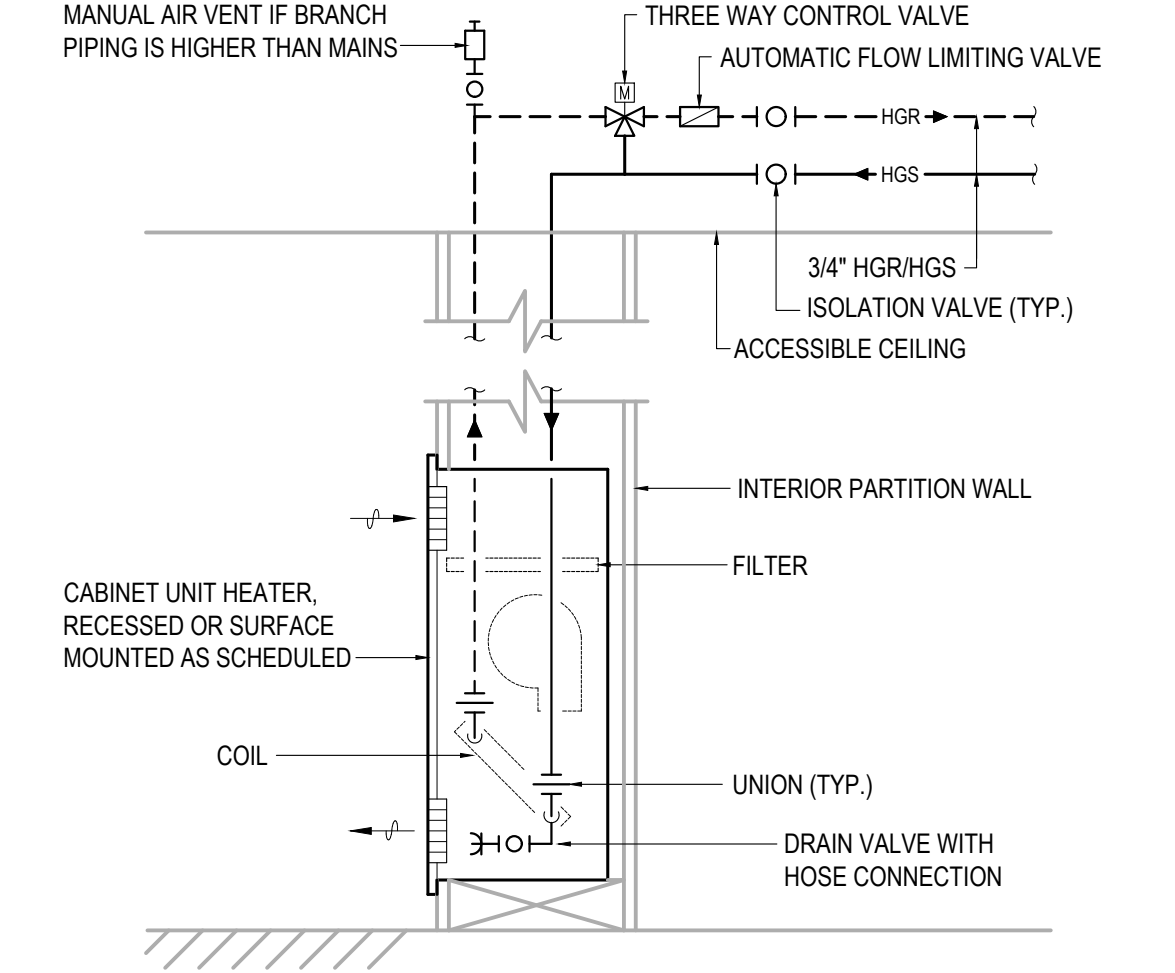
**2 GAS CONNECTION DETAIL**  
SCALE: NONE



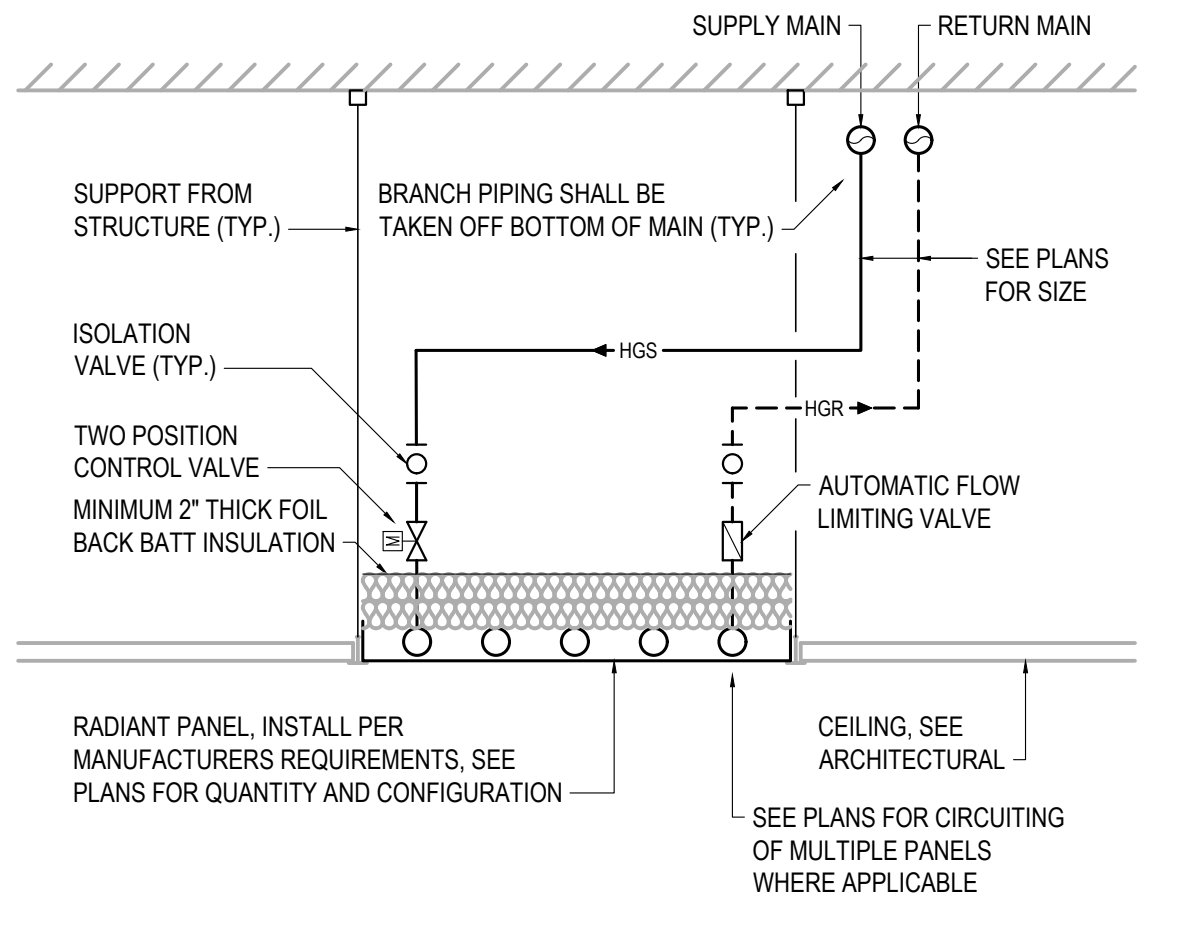
**3 BASEBOARD DETAIL**  
SCALE: NONE



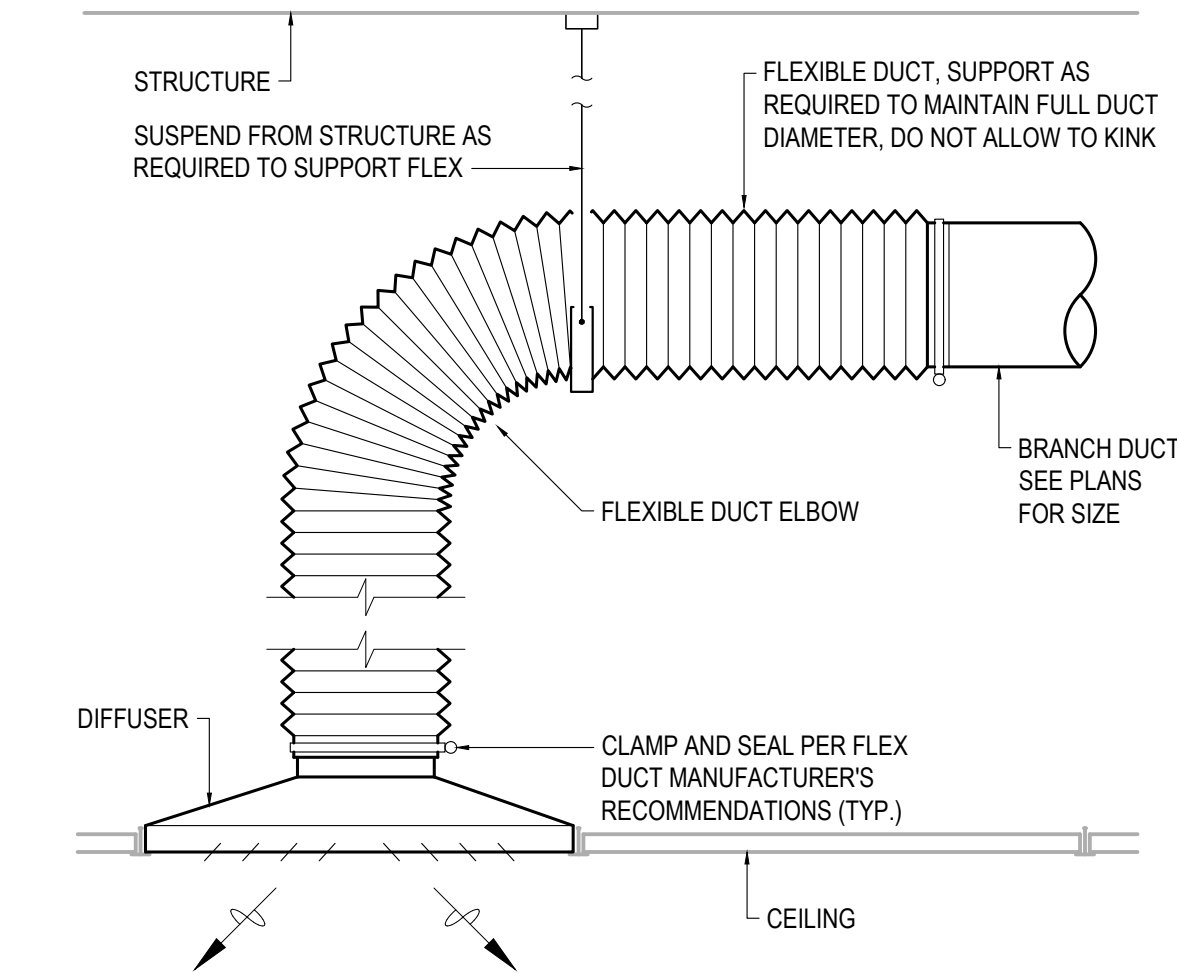
**4 UNIT HEATER DETAIL**  
SCALE: NONE



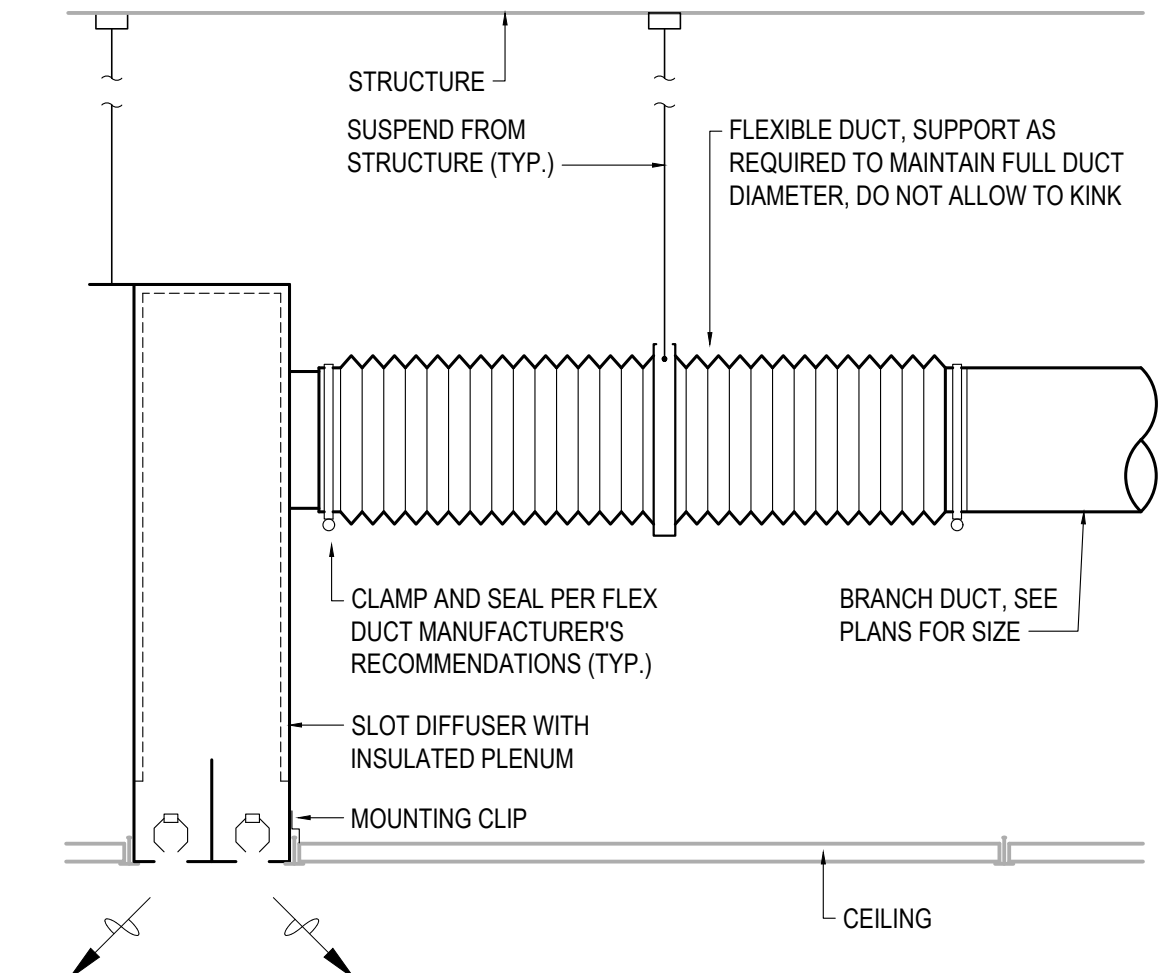
**5 CABINET UNIT HEATER DETAIL**  
SCALE: NONE



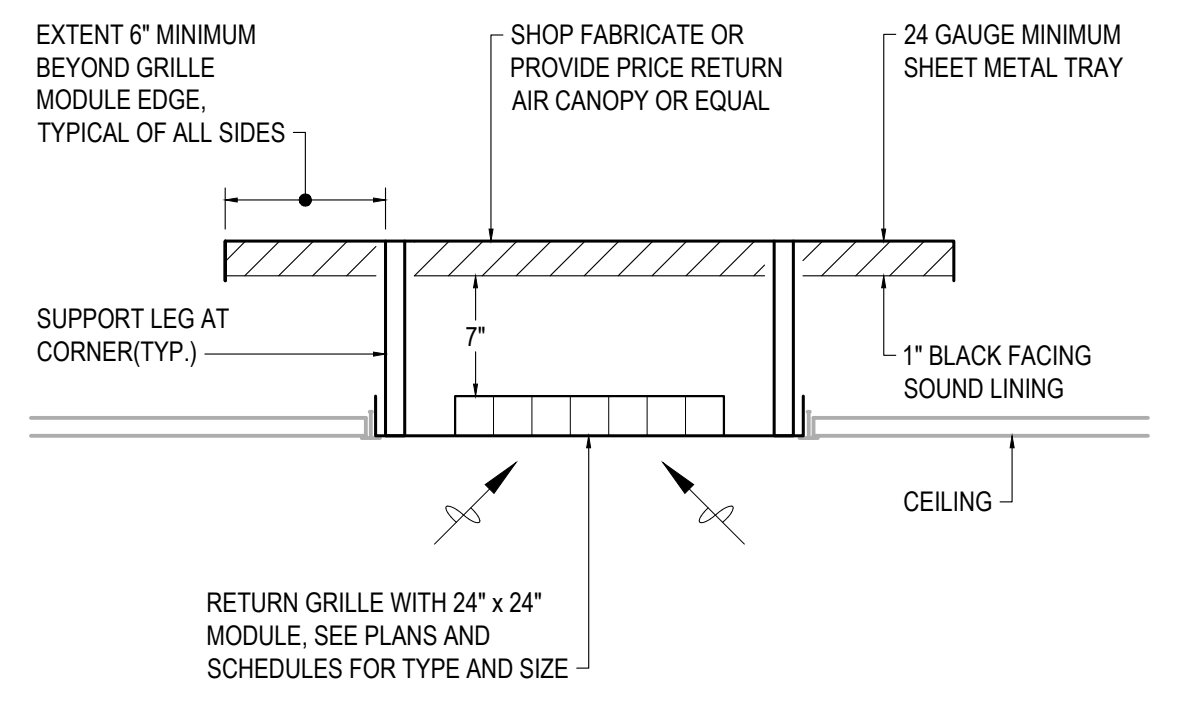
**6 RADIANT PANEL DETAIL**  
SCALE: NONE



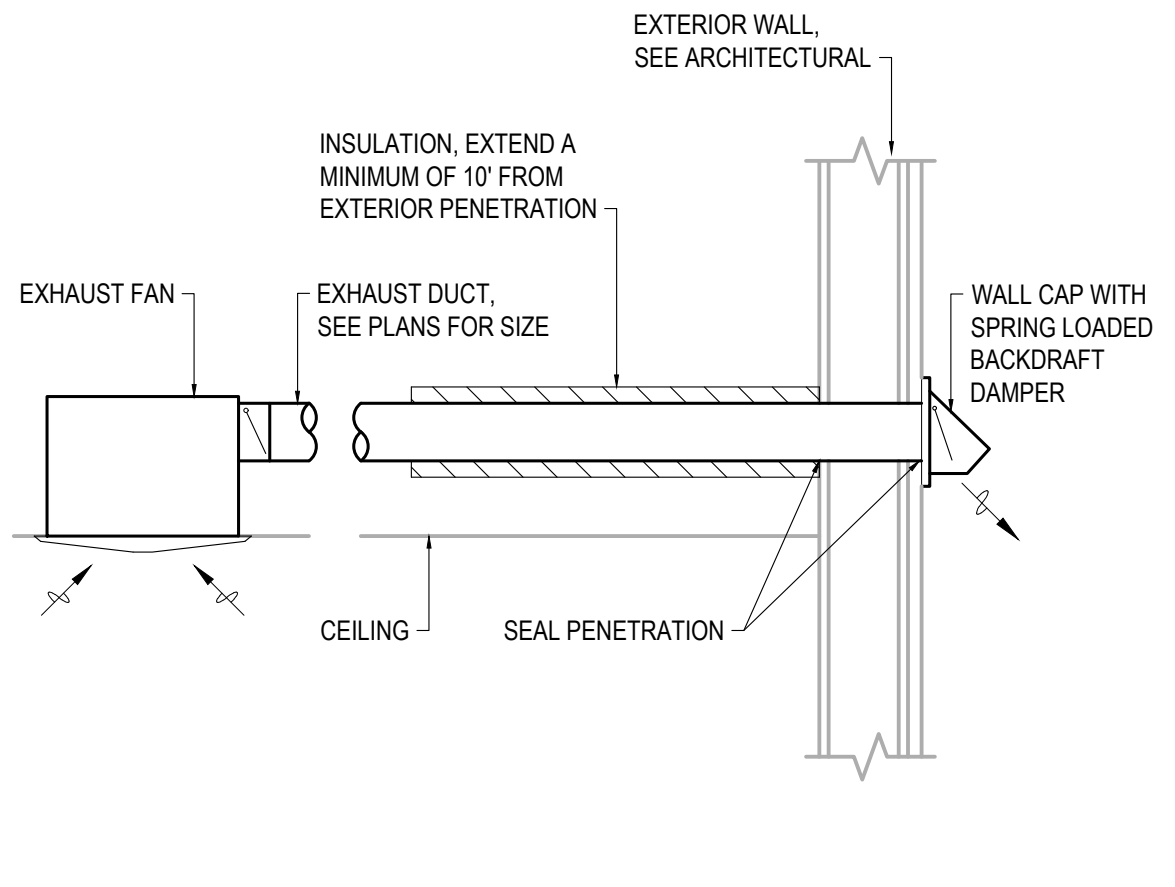
**7 SUPPLY AIR DIFFUSER DETAIL**  
SCALE: NONE



**8 LINEAR SLOT DIFFUSER DETAIL**  
SCALE: NONE



**9 RETURN AIR Baffle DETAIL**  
SCALE: NONE



**10 EXHAUST FAN DETAIL**  
SCALE: NONE



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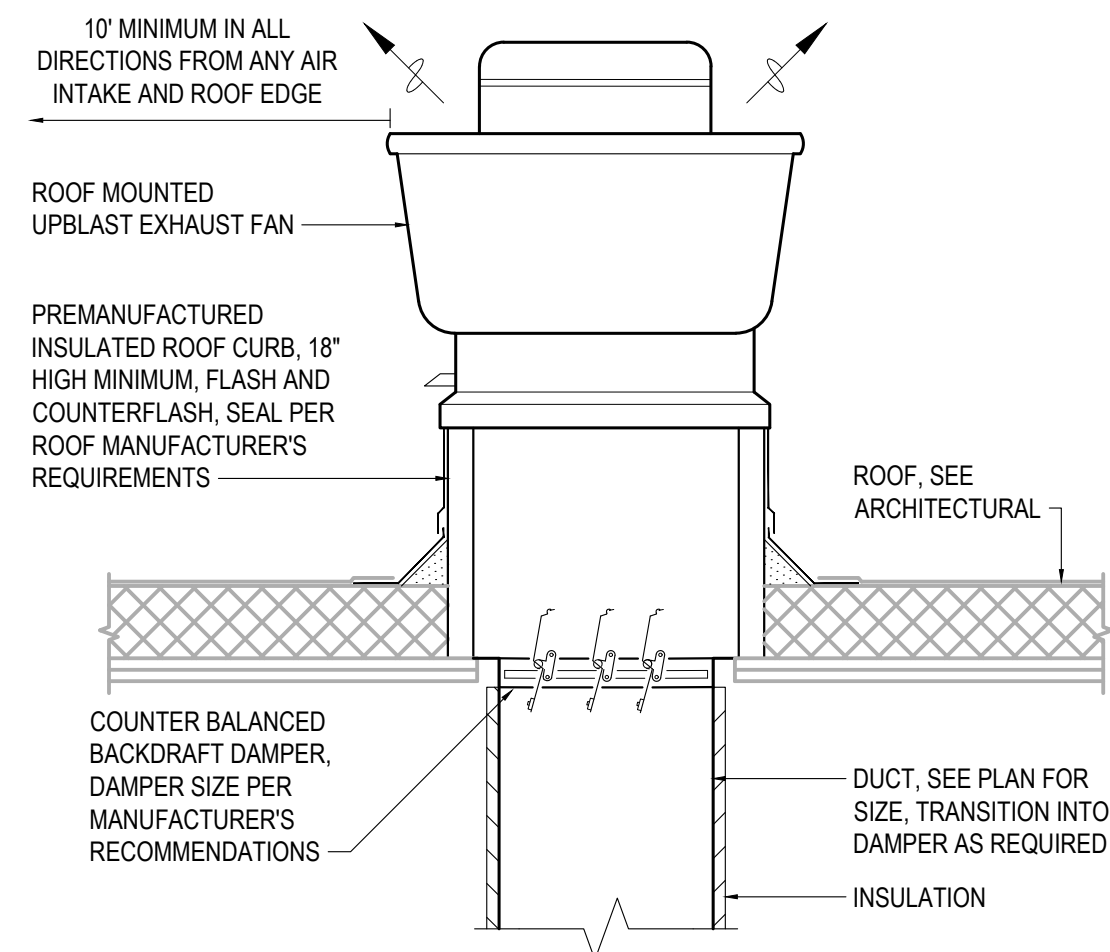
**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

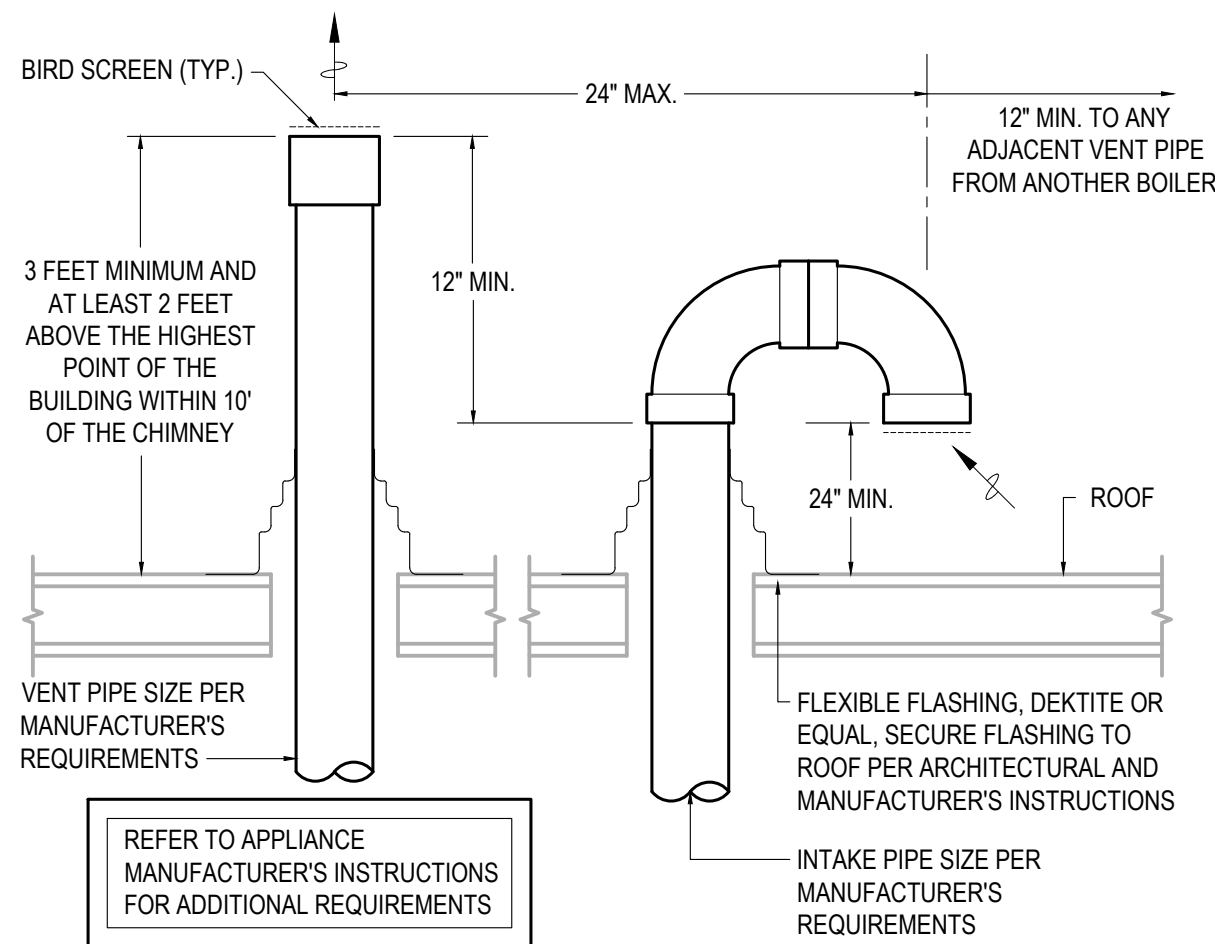
JOB NO. 2024.101.0  
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DRAWN KMR  
REVIEWED ACT

SHEET NAME  
MECHANICAL DETAILS

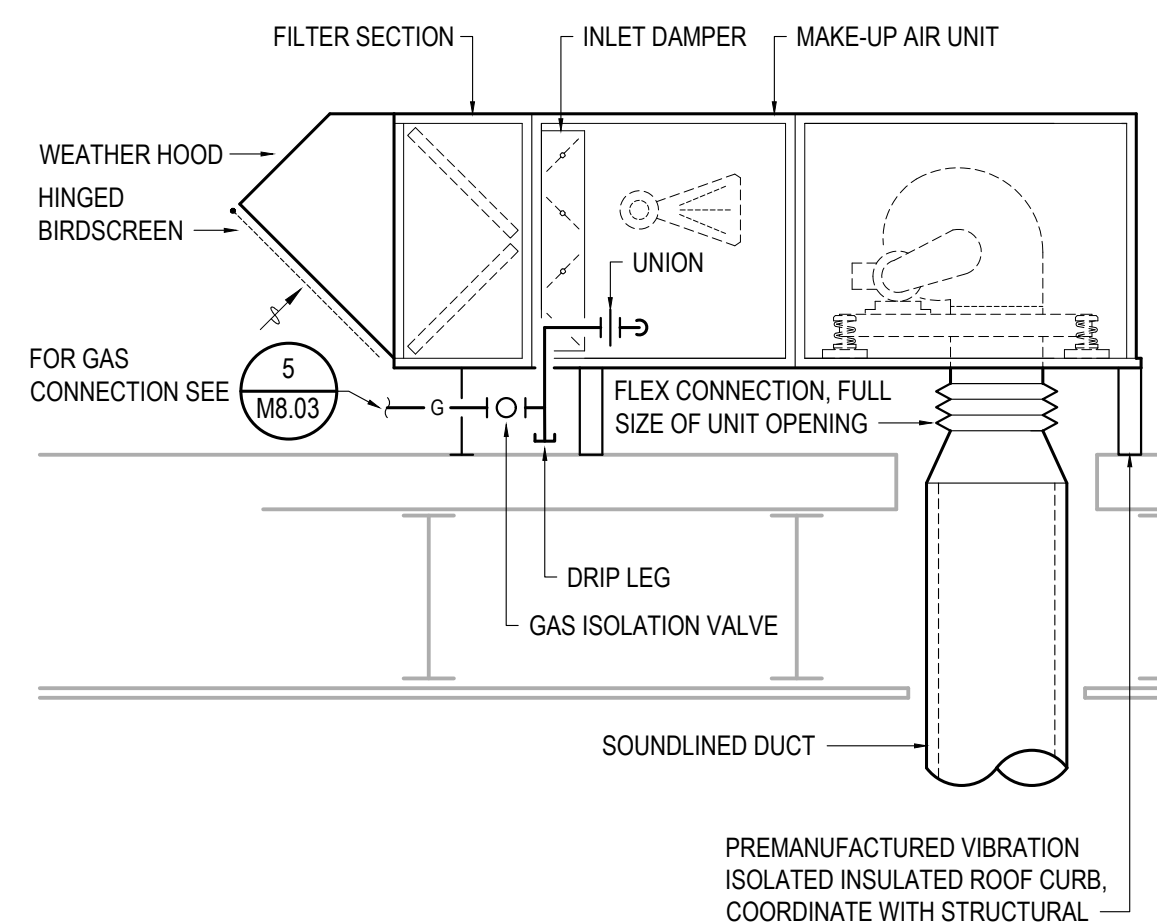
SHEET NO.  
**M8.02**



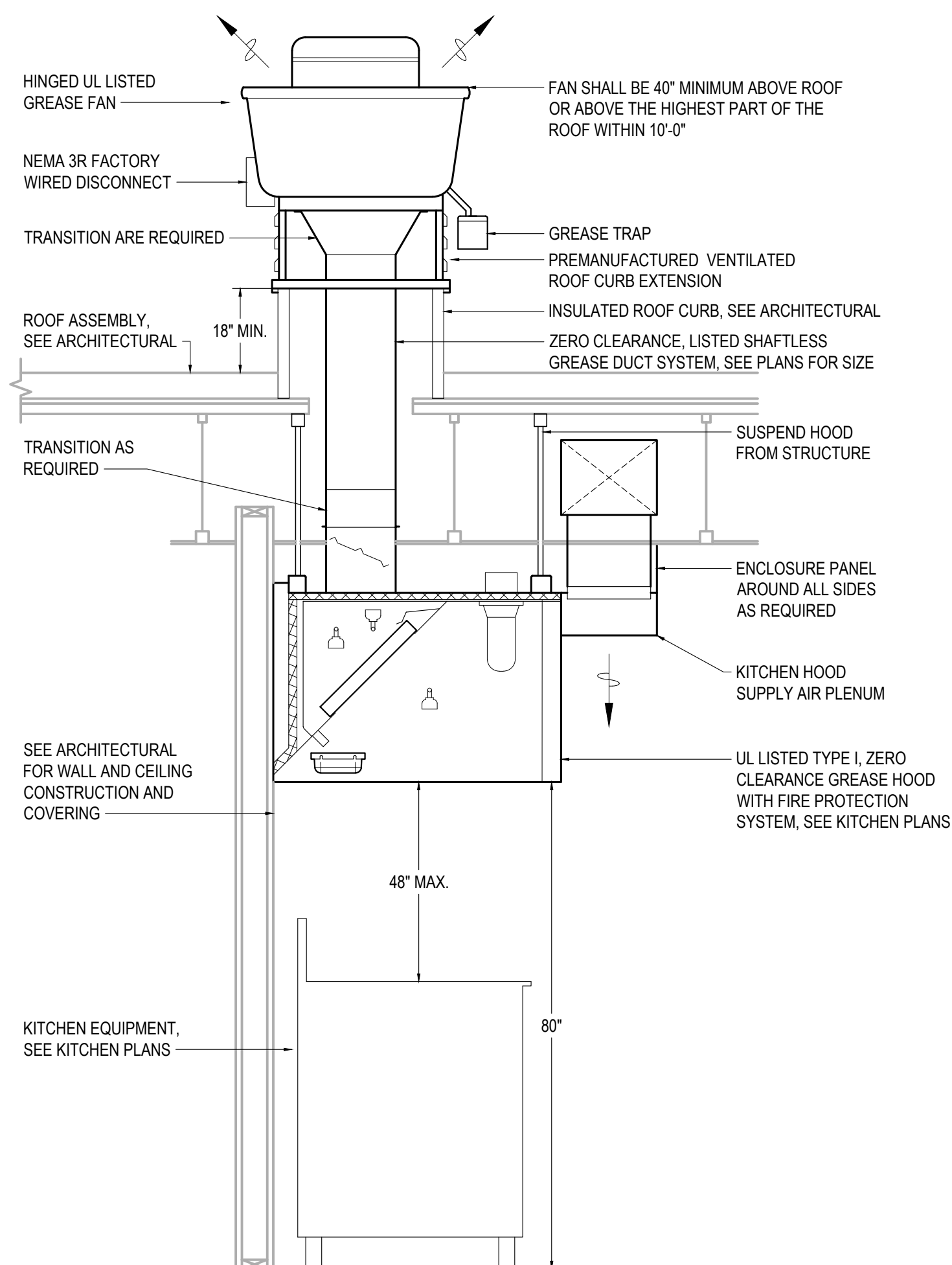
**1 UPBLAST TYPE II FAN DETAIL**  
SCALE: NONE



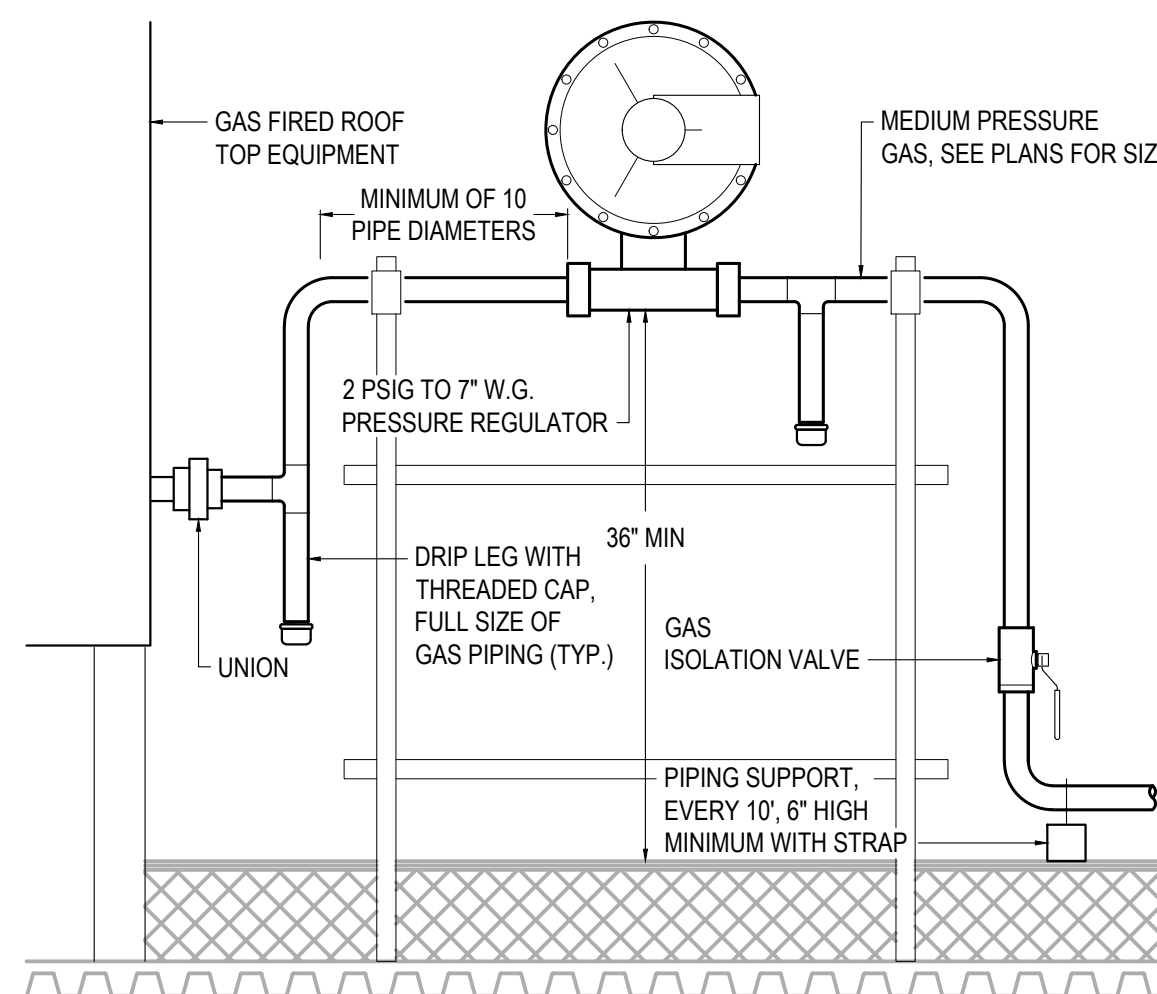
**2 BOILER FLUE/INTAKE DETAIL**  
SCALE: NONE



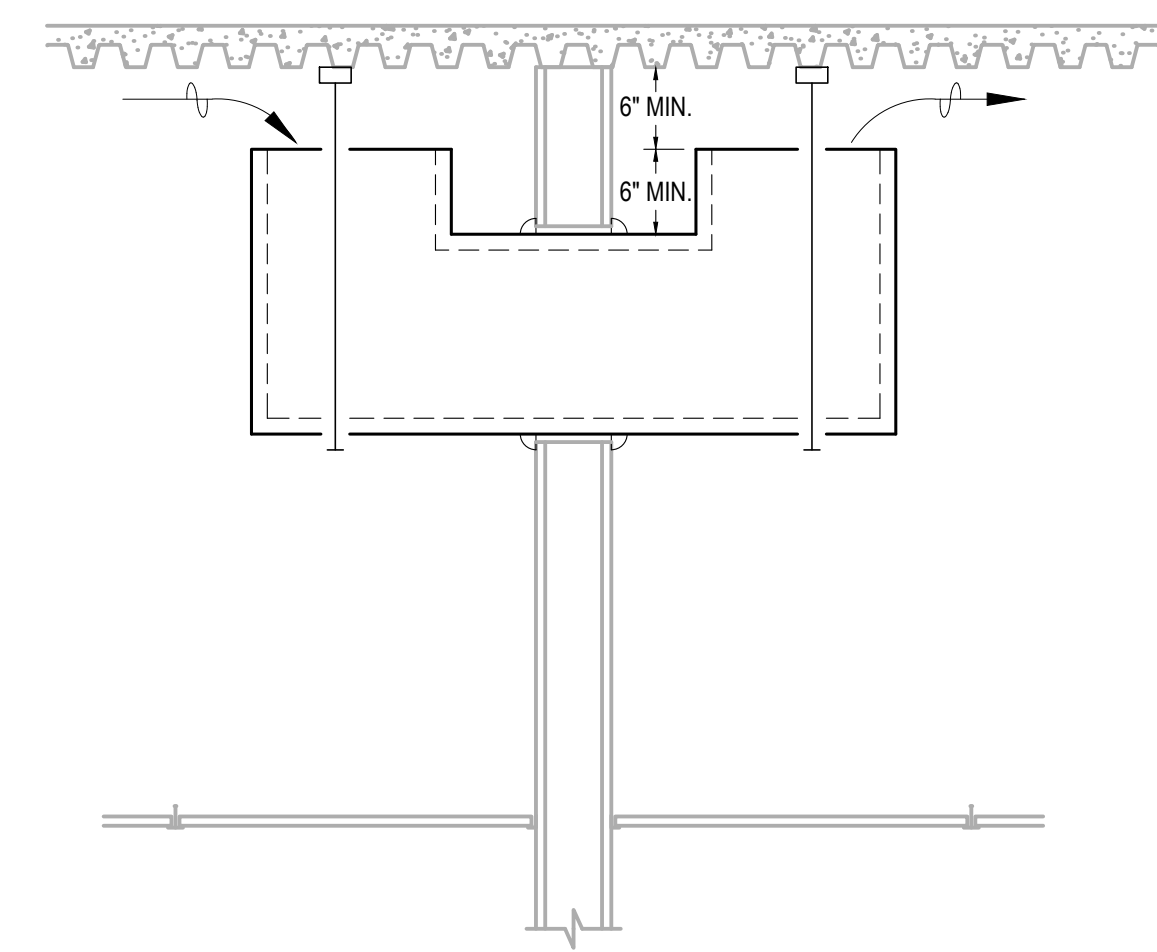
**3 MAKE-UP AIR UNIT DETAIL**  
SCALE: NONE



**4 KITCHEN GREASE TYPE I FAN DETAIL**  
SCALE: NONE



**5 MPG GAS REGULATOR**  
SCALE: NONE



**6 TRANSFER AIR BOOT DETAIL**  
SCALE: NONE



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ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
2	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
DATE 2025.02.14  
DRAWN KMR  
REVIEWED ACT

SHEET NAME  
MECHANICAL DETAILS

SHEET NO.  
**M8.03**

## ELECTRICAL SYMBOLS

### LIGHTING FIXTURES

	SURFACE LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	WALL LIGHT FIXTURE - LINEAR
	STRIP LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
	SURFACE LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	TRACK LIGHT FIXTURE HEAD
	WALL LIGHT FIXTURE
	SELF CONTAINED EMERGENCY LIGHT
	EMERGENCY LIGHT - SINGLE HEAD
	EXIT LIGHT - WALL MOUNTED
	EXIT LIGHT - CEILING MOUNTED
	EXIT LIGHT DIRECTIONAL ARROWS
	FAN & LIGHT COMBINATION
	POLE MOUNTED AREA LIGHT FIXTURE
	FLOOD LIGHT
	WALL MOUNTED AREA LIGHT FIXTURE
	CEILING MOUNTED FAN

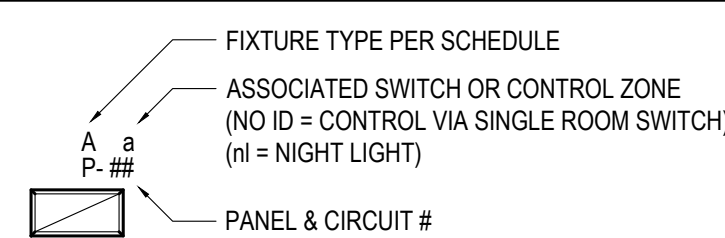
### LIGHTING CONTROLS

	SINGLE POLE SWITCH
	DIMMER SWITCH
	OCCUPANCY SENSOR SWITCH
	THREE & FOUR WAY SWITCH
	KEY OPERATED SWITCH
	PHOTOCELL
	MOTION SENSOR (WALL & CEILING)
	OCCUPANCY SENSOR (WALL & CEILING)

### CONDUITS AND CONDUCTORS

	CONDUIT OR CABLE, CONCEALED U.N.O.
	NUMBER AND SIZE OF WIRES (NO SLASHES INDICATES 3#12)
	CONDUIT HOMERUN TO PANEL (PANEL & CIRCUIT NUMBER)

### LIGHT FIXTURE NOMENCLATURE



## ELECTRICAL ABBREVIATIONS

AC	ABOVE COUNTER	HP	HORSE POWER	TELECOM	TELECOMMUNICATIONS
AFF	ABOVE FINISHED FLOOR	IN, *	INCHES	TV	TELEVISION
AFCI	ARC FAULT CIRCUIT INTERRUPTER			TYP	TYPICAL
AIC	AMPERES INTERRUPTING CAPACITY	K	DEGREE KELVIN	UC	UNDER COUNTER
AMP, A	AMPERE	KCMIL, MCM	THOUSAND CIRCULAR MILS	UG	UNDERGROUND
ARCH	ARCHITECTURAL	KVA	KILOVOLT AMPERES	UON	UNLESS OTHERWISE NOTED
ATS	AUTOMATIC TRANSFER SWITCH	KW	KILOWATT	UPS	UNINTERRUPTIBLE POWER SUPPLY
AWG	AMERICAN WIRE GAUGE	LC	LIGHTING CONTACTOR	UTP	UNSHIELDED TWISTED PAIR
AW	ABOVE WINDOW				
C	CONDUIT	MAX	MAXIMUM	V	VOLTS
°C	CELSIUS	MCB	MAIN CIRCUIT BREAKER	VA	VOLT AMPERES
CB	CIRCUIT BREAKER	MECH	MECHANICAL	VFD	VARIABLE FREQUENCY DRIVE
CKT	CIRCUIT	MLO	MAIN LUGS ONLY		
CLG	CEILING	MW	MICROWAVE	W	WATT
CO	CONDUIT ONLY	N	NEUTRAL	WAP	WIRELESS ACCESS POINT
COMM	COMMUNICATIONS	NC	NORMALLY CLOSED	WP	WEATHERPROOF
DW	DISH WASHER	NEC	NATIONAL ELECTRIC CODE	WR	WEATHER RESISTANT
EF	EXHAUST FAN	NIC	NOT IN CONTRACT		
E.Ex., EXIST	EXISTING	NL	NIGHT LIGHT	XFMR	TRANSFORMER
EM	EMERGENCY	NO	NORMALLY OPEN		
EMT	ELECTRICAL METALLIC TUBING	NO., #	NUMBER		
FA	FIRE ALARM	OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED		
FACP	FIRE ALARM CONTROL PANEL	PA	PUBLIC ADDRESS		
FLA	FULL LOAD AMPS	PC	PHOTO CELL		
		PH, Ø	PHASE		
G, GRD	GROUND				
GFCI	GROUND FAULT CURRENT INTERRUPTER	RCPT, REC	RECEPTACLE		
GF	GROUND FAULT PROTECTION	REF	REFRIGERATOR		
		REQ, REQD	REQUIRED		
		Re	RELOCATED		

### POWER DEVICES AND EQUIPMENT

	DUPLEX RECEPTACLE / QUADRAPLEX RECEPTACLE
	DUPLEX / QUADRAPLEX ABOVE COUNTER RECEPTACLE
	GFCI PROTECTED RECEPTACLE
	GFCI PROTECTED ABOVE COUNTER RECEPTACLE
	SPLIT WIRED RECEPTACLE
	SIMPLEX RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE, 3Ø & 1Ø AS NOTED
	DUPLEX SMALL APPLIANCE RECEPTACLE
	DRYER RECEPTACLE, NEMA 14-30R
	ELECTRIC RANGE RECEPTACLE, NEMA 14-50R
	FLOOR MOUNTED DEVICE (RECEPTACLE SHOWN)
	CEILING MOUNTED DEVICE (RECEPTACLE SHOWN)
	POWER RECEPTACLE DROP
	JUNCTION BOX
	ELECTRIC MOTOR
	ELECTRIC MOTOR WITH STARTER SWITCH
	EXHAUST FAN
	UNIT HEATER
	CABINET UNIT HEATER
	FLUSH MOUNT ELECTRICAL PANEL - 208V & 480V
	SURFACE MOUNT ELECTRICAL PANEL - 208V & 480V
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MOTOR/STARTERS DISCONNECT SWITCH
	VFD DISCONNECT
	PUSH BUTTON OR ACCESS CONTROL JUNCTION BOX
	PUSH BUTTON OR ACCESS CONTROL BOX
	TRAFFIC CONTROL JUNCTION BOX
	WALL / FLOOR MOUNTED MODULAR FURNITURE POWER

### TELECOMMUNICATION DEVICES

	TELECOMMUNICATIONS OUTLET
	TELEPHONE (VOICE) OUTLET
	FLOOR MOUNTED DEVICE (TELECOMM SHOWN)
	CEILING MOUNTED DEVICE (TELECOMM SHOWN)
	SPEAKER (WALL & CEILING)
	TELEVISION OUTLET (WALL & CEILING)
	TELEVISION/DATA COMBO OUTLET (WALL & CEILING)
	CLOCK (DIGITAL & ANALOG)
	CLOCK & SPEAKER COMBINATION
	OVERHEAD PROJECTOR

## ELECTRICAL SPECIFICATIONS

### SECTION 26 05 00 - COMMON WORK RESULTS FOR ELECTRICAL

1. PROVIDE MATERIALS AND EQUIPMENT THAT ARE PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS. ALL MATERIALS SHALL BE LISTED AND LABELED FOR THE APPLICATION WITH A NATIONALLY RECOGNIZED TESTING LABORATORY IN ACCORDANCE WITH NFPA 70.
2. MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, STATE, MUNICIPAL, AND FEDERAL LAWS, AND AMENDMENTS GOVERNING THE PROJECT. INSTALLATION OF EQUIPMENT SHALL BE ACCORDANCE WITH THE WRITTEN INSTRUCTIONS RECOMMENDATIONS OF THE MANUFACTURER.
3. THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL DETAILS OF WORK AND VERIFY ALL DIMENSIONS IN THE FIELD SO THAT ALL OUTLETS AND EQUIPMENT ARE PROPERLY LOCATED AND READILY ACCESSIBLE.
4. LIGHTING FIXTURES, OUTLETS, AND OTHER EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH STRUCTURAL FEATURES AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF ANY CONFLICTS OCCUR NECESSITATING DEPARTURES FROM THE DRAWINGS, DETAILS OF, AND REASONS FOR DEPARTURES SHALL BE SUBMITTED AND ACCEPTED PRIOR TO IMPLEMENTING ANY CHANGE.
5. THE LISTED PUBLICATIONS BELOW ESTABLISH MINIMUM REQUIREMENTS FOR MATERIALS, SYSTEMS AND EXECUTION THAT MAY BE SPECIFIED IN THIS SECTION AND UTILIZED FOR THIS PROJECT.
  - A. NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA): NECA 1 - STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION
  - B. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA): NFPA 70 NATIONAL ELECTRICAL CODE, NFPA 70E STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.

### SECTION 26 05 19 - POWER CONDUCTORS AND CABLES

1. PROVIDE WIRING, CABLES AND ASSOCIATED SPLICES, CONNECTORS, AND TERMINATIONS FOR WIRING SYSTEMS RATED 600 VOLTS AND LESS. CONDUCTOR AMPACITY SHALL BE BASED ON TABLE 310-16 OF THE NEC UTILIZING THE 60-DEGREE C. RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES RATED BELOW 100 AMPS AND THE 75-DEGREE C RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES AND IN ENCLOSURES RATED 100 AMPS AND GREATER. ALL CONDUCTORS OR CABLE EXPOSED ABOVE CEILING SHALL BE PLENUM RATED.
2. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. ALL CONDUCTORS INSTALLED IN UNHEATED SPACES WITHIN THE BUILDING, UNDERGROUND, OR LOCATED OUTSIDE OF THE BUILDING SHALL HAVE TYPE XHHW 90 DEGREE C INSULATION. ALL CONDUCTORS INSTALLED WITHIN HEATED SPACES MAY HAVE XHHW OR THHN 90 DEGREE C INSULATION.
3. CONDUCTORS NO. 8 AWG AND LARGER DIAMETER SHALL BE STRANDED. CONDUCTORS NO. 12 AWG AND SMALLER SHALL BE SOLID, EXCEPT THAT CONDUCTORS FOR REMOTE CONTROL, ALARM, AND SIGNAL CIRCUITS, CLASSES 1, 2, AND 3 SHALL BE STRANDED.
4. BRANCH CIRCUITS: CONDUCTORS SHALL BE NOT SMALLER THAN NO. 12 AWG. CONDUCTORS FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 100 FEET LONG AND OF 277 VOLTS MORE THAN 200 FEET LONG FROM PANEL TO FARTHEST DEVICE OR LOAD, SHALL BE NO SMALLER THAN NO. 10 AWG. CONDUCTORS FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 150 FEET LONG AND OF 277 VOLTS MORE THAN 300 FEET LONG FROM PANEL TO FARTHEST DEVICE OR LOAD, SHALL BE NO SMALLER THAN NO. 8 AWG.
5. INSTALL CONDUCTORS IN COMPLIANCE WITH NEC REQUIREMENTS FOR TEMPERATURE AND CONDUIT FILL DERATING AND BOX FILL LIMITATIONS.
6. COLOR CODE CONDUCTORS AS FOLLOWS:
  - A. 120/208 VOLT, 3 PHASE, 4 WIRE: BLACK, RED, BLUE, WHITE
7. GROUNDING CONDUCTORS: PROVIDE A GREEN EQUIPMENT GROUNDING CONDUCTOR IN EACH NEW RACEWAY, SIZED IN ACCORDANCE WITH NFPA 70, REGARDLESS OF THE TYPE OF CONDUIT.

### SECTION 26 05 33 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

1. PROVIDE RACEWAYS AND BOXES LISTED AND SUITABLE FOR THE PROPOSED APPLICATION. PROVIDE AN EFFICIENTLY LAID OUT SYSTEM THAT ALLOWS FOR FUTURE GROWTH. COORDINATE RACEWAYS WITH THE WORK OF OTHER TRADES, AND COORDINATE LAYOUT AND CONSTRUCTION WITH OTHER CONSTRUCTION ELEMENTS TO ENSURE MAXIMUM HEADROOM, WORKING CLEARANCE, AND ACCESS.
2. UTILIZE RACEWAY SYSTEMS LISTED AND SUITABLE FOR THE ENVIRONMENT INSTALLED AS DEFINED BELOW:
  - A. OUTDOORS (EXPOSED): WEATHERPROOF RIGID STEEL CONDUIT OR EMT SYSTEM.
  - B. INDOORS (NOT SUBJECT TO PHYSICAL DAMAGE): EMT OR TYPE MC CABLE.
  - C. CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT, LIQUID-TIGHT IN DAMP AND WET LOCATIONS.

### SECTION 26 24 16 PANELBOARDS & LOAD CENTERS

1. ALL PANELBOARDS SHALL BE FACTORY ASSEMBLED OF THE BOLTED CIRCUIT BREAKERS TYPE WITH SOLID COPPER BUSSING, FULL SIZED NEUTRAL, 100% GROUND BUSSING, AND OVERALL HINGED/LOCKABLE DOOR. ALL CIRCUIT BREAKERS SHALL BE OF THE QUICK-MAKE AND QUICK-BREAK DESIGN, THERMAL-MAGNETIC TYPE, TRIP FREE AND TRIP-INDICATING. ALL PANELS SHALL BE DEAD FRONT AND FLUSH OR SURFACE MOUNTED AS SHOWN AND SHALL BE FURNISHED WITH A TYPEWRITTEN DIRECTORY CARD OF THE CIRCUITS AND AN ENGRAVED NAMEPLATE.
2. CIRCUIT BREAKER PANELBOARDS SHALL HAVE FULL LENGTH NON-TAPERED BUS BARS ARRANGED AND DRILLED FOR SEQUENCE PHASING.

BUS BARS ARRANGED AND DRILLED FOR SEQUENCE PHASING.

3. ALL PANELS SHALL HAVE DOORS FLUSH WITH THE TRIM, EQUIPPED WITH LOCKS, AND KEYPED ALIKE. ALL MULTI-POLE BREAKERS SHALL BE COMMON TRIP.
4. ALL PANELBOARDS PHASE AMPERAGE SHALL BE BALANCED TO WITHIN 10 PERCENT MAX. TO MIN. REARRANGE BRANCH CIRCUITS AS REQUIRED AND NOTE CHANGES ON RECORD DRAWINGS.
5. PANELS SHALL BE AS INDICATED ON THE DRAWINGS. ALL BRANCH CIRCUIT BREAKERS (C/B) SHALL BE RATED 20 AMPERES SINGLE POLE MINIMUM, EXCEPT AS NOTED OR REQUIRED BY LOCAL CODES.
6. PROVIDE LOCKOUT CLIPS ON CIRCUIT BREAKERS WHERE INDICATED ON PANEL SCHEDULE.
7. PROVIDE ONE SPARE 1" CONDUIT FOR EACH SIX SPACES OR SPARE CIRCUIT BREAKERS IN EACH RECESSED MOUNTED PANEL. MINIMUM 1- SPARE CONDUIT PER PANEL. RUN CONDUIT TO A LOCATION JUST ABOVE CEILING.
8. CIRCUIT BREAKERS SERVING HEATING, VENTILATION, AND/OR AIR CONDITIONING (HVAC) EQUIPMENT SHALL BE RATED AND MARKED "HACR," IF FUSING IS NOT PROVIDED AT PIECE OF HVAC EQUIPMENT. FIELD VERIFY EXACT "HACR" BREAKER REQUIREMENTS WITH HVAC EQUIPMENT NAMEPLATE AND MANUFACTURER'S REQUIREMENTS PRIOR TO INSTALLATION.
9. IN SERVICE ENTRANCE APPLICATIONS, PANELS SHALL BEAR THE MANUFACTURER'S LABEL INDICATING THE EQUIPMENT IS RATED FOR "SERVICE ENTRANCE" APPLICATION IN ACCORDANCE WITH THE NEC AND AS INDICATED ON DRAWINGS.
10. PANELBOARDS SHALL HAVE A MINIMUM SHORT CIRCUIT CURRENT RATING AS INDICATED ON THE DRAWINGS.
11. VERIFY ACTUAL AIC SHORT CIRCUIT CURRENT REQUIREMENTS WITH OWNER OR UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
12. AFTER COMPLETION, ALL PANELBOARDS SHALL BE CLEANED BOTH INSIDE AND OUTSIDE.
13. MANUFACTURER SHALL BE SQUARE "D" OR EQUAL BY GENERAL ELECTRIC, CUTLER HAMMER, SQUARE D OR APPROVED EQUAL.

### SECTION 26 27 26 - WIRING DEVICES

1. PROVIDE RECEPTACLES, CONNECTORS, SWITCHES, AND FINISH PLATES OF TYPES AND QUANTITIES SUITABLE FOR THE PROJECT AND INTENDED USE. WIRING DEVICES SHALL MEET NEMA WD 1 AND NEMA WD 6. WIRING TERMINALS SHALL BE OF THE SCREW TYPE OR OF THE SOLDERLESS PRESSURE TYPE HAVING SUITABLE CONDUCTOR-RELEASE ARRANGEMENT. WIRING DEVICES SHALL BE IMPACT RESISTANT NYLON WITH WHITE COLOR UNLESS NOTED OTHERWISE.
2. DEVICE PLATES ON UNFINISHED WALLS MAY BE OF ZINC-COATED SHEET STEEL, OR CAST METAL HAVING ROUNDED OR BEVELED EDGES. DEVICE PLATES ON FINISHED WALLS SHALL BE STAINLESS STEEL OR MATCH DEVICE COLOR, COORDINATE WITH ARCHITECT. SCREWS SHALL BE OF METAL WITH COUNTERSUNK HEADS, IN A COLOR TO MATCH THE FINISH OF THE PLATE.
3. SINGLE AND DUPLEX RECEPTACLES SHALL BE RATED 20 AMPERES, 125 VOLTS, 2-POLE, 3-WIRE, GROUNDING TYPE WITH POLARIZED PARALLEL SLOTS, BACK AND SIDE WIRED.
4. TOGGLE SWITCHES SHALL BE RATED 120-277 VOLT AC GROUNDING TYPE, TOTALLY ENCLOSED, GENERAL USE.

### SECTION 26 51 00- INTERIOR LIGHTING

1. PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AS SHOWN ON THE DRAWINGS AND SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE. PROVIDE WITH ALL OPTIONS AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION IN COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. SECTION 28 31 11 - DIGITAL FIRE ALARM SYSTEM
  1. GENERAL: PROVIDE A COMPLETE, NON-CODED ADDRESSABLE, MICROPROCESSOR-BASED FIRE ALARM SYSTEM WITH INITIATING DEVICES, NOTIFICATION APPLIANCES, AND MONITORING AND CONTROL DEVICES AS SPECIFIED HEREIN. INCLUDE SUFFICIENT CONTROL UNIT(S), ANNUNCIATOR(S), MANUAL STATIONS, AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES, WIRING, TERMINATIONS, ELECTRICAL BOXES, ETHERNET DROPS, AND ALL OTHER NECESSARY MATERIAL FOR CODE COMPLIANT AND COMPLETE OPERATING SYSTEM. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A FULLY CODE COMPLIANT SYSTEM. PER THE CODE ANALYSIS A MANUAL SYSTEM IS REQUIRED. THE CONTRACTOR SHALL PROVIDE DESIGN AND INSTALLATION IN ACCORDANCE WITH ALL APPLICABLE CODES.
  2. PROVIDE SUBMITTAL AS FOLLOWS: PRODUCT DATA SHEETS FOR SYSTEM COMPONENTS HIGHLIGHTED TO INDICATE THE SPECIFIC PRODUCTS, FEATURES, OR FUNCTIONS REQUIRED TO MEET THIS SPECIFICATION. WIRING DIAGRAMS FROM MANUFACTURER. SHOP DRAWINGS SHOWING SYSTEM DETAILS INCLUDING LOCATION OF FACU, ALL DEVICES, CIRCUITING AND CALCULATIONS AND VOLTAGE DROP CALCULATIONS TO ASSURE THAT THE SYSTEM WILL OPERATE IN ACCORDANCE WITH THE PRESCRIBED BACKUP TIME PERIODS AND UNDER ALL VOLTAGE CONDITIONS PER UL AND NFPA STANDARDS
  3. SUBMISSION TO AUTHORITY HAVING JURISDICTION: IN ADDITION TO ROUTINE SUBMISSION OF THE ABOVE MATERIAL, MAKE AN IDENTICAL SUBMISSION TO THE AUTHORITY HAVING JURISDICTION. INCLUDE COPIES OF SHOP DRAWINGS AS REQUIRED TO DEPICT COMPONENT LOCATIONS TO FACILITATE REVIEW. UPON RECEIPT OF COMMENTS FROM THE AUTHORITY, MAKE RESUBMISSIONS, IF REQUIRED, TO MAKE CLARIFICATIONS OR REVISIONS TO OBTAIN APPROVAL.
  4. THE FIRE ALARM SYSTEM SHALL CONSIST OF ALL NECESSARY HARDWARE EQUIPMENT AND SOFTWARE PROGRAMMING TO PERFORM THE FOLLOWING FUNCTIONS:

5. FIRE ALARM SYSTEM DETECTION AND NOTIFICATION OPERATIONS, CONTROL AND MONITORING OF DOOR HOLD-OPEN DEVICES, FIRE SUPPRESSION SYSTEMS, AND OTHER EQUIPMENT AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS. SYSTEM OPERATION DESCRIPTION INCLUDING METHOD OF OPERATION AND SUPERVISION OF EACH TYPE OF CIRCUIT AND SEQUENCE OF OPERATIONS FOR ALL MANUALLY AND AUTOMATICALLY INITIATED SYSTEM INPUTS AND OUTPUTS. A LIST OF ALL INPUT AND OUTPUT POINTS IN THE SYSTEM SHALL BE PROVIDED WITH A LABEL INDICATING LOCATION OR USE OF IDC, SLC, NAC, RELAY, SENSOR, AND AUXILIARY CONTROL CIRCUITS. OPERATING INSTRUCTIONS FOR FACU.
6. OPERATION AND MAINTENANCE DATA FOR INCLUSION IN OPERATING AND MAINTENANCE MANUAL. INCLUDE DATA FOR EACH TYPE PRODUCT, INCLUDING ALL FEATURES AND OPERATING SEQUENCES, BOTH AUTOMATIC AND MANUAL. PROVIDE THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF SERVICE ORGANIZATIONS.
7. THE SYSTEM AS INDICATED IS BASED ON A SIMPLEX SYSTEM. APPROVED EQUALS WILL BE CONSIDERED.
8. INSTALL SYSTEM COMPONENTS AND ALL ASSOCIATED DEVICES IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. INSTALLATION PERSONNEL SHALL BE SUPERVISED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION, AND TESTING OF FIRE ALARM SYSTEMS. INSTALLATION SHALL BE BY PERSONNEL LICENSED OR CERTIFIED BY STATE OF ALASKA.
9. SEQUENCING: CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR PROPER SEQUENCING FOR ALARM CONDITIONS FOR ALL ELEMENTS OF THE BUILDING AND SPECIFICALLY HOW DWELLING UNIT ALARMS ARE SEQUENCED TO COMMON AREA ALARMS.
10. TRAINING: PROVIDE THE SERVICES OF A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO DEMONSTRATE THE SYSTEM AND TRAIN OWNER'S MAINTENANCE PERSONNEL. PROVIDE A MINIMUM OF 4 HOURS' TRAINING. SCHEDULE TRAINING WITH THE OWNER AT LEAST SEVEN DAYS IN ADVANCE.

### MOUNTING HEIGHT SCHEDULE

*SWITCHES	4'-0"
*RECEPTACLES	1'-6"
*WEATHERPROOF RECEPTACLES	2'-0"
BRANCH PANELS (TOP)	6'-6"
DISCONNECT SWITCHES (TOP)	5'-6"

MOUNTING HEIGHTS SHALL PREVAIL ON ALL NEW CONSTRUCTION UNLESS OTHERWISE NOTED.

MOUNTING HEIGHTS ARE TO CENTER OF DEVICE AND ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

COORDINATE FINAL MOUNTING HEIGHTS FOR DEVICES ABOVE COUNTERS WITH ARCHITECTURAL ELEVATIONS.

COORDINATE FINAL MOUNTING HEIGHTS FOR DEVICES FOR EQUIPMENT WITH ARCHITECTURAL ELEVATIONS.

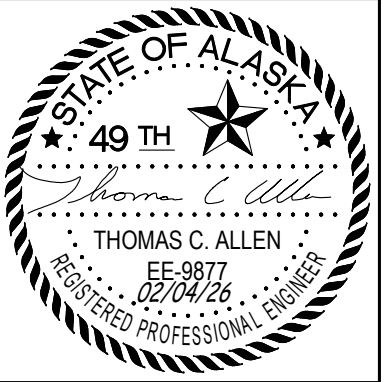
MOUNTING FOR DEVICES SHOWN ABOVE BASEBOARD HEATERS, 4" ABOVE HEATER, MOUNTED VERTICALLY.

THESE ARE TYPICAL MOUNTING HEIGHTS. NOT ALL DEVICES ARE NECESSARILY APPLICABLE TO THIS PROJECT.

\*MOUNTING HEIGHTS COMPLY WITH ICC/ANSI A117.1-09

### PROJECT DESCRIPTION

THIS PROJECT CONSIST OF A NEW BUILDING WHICH WILL SUPPORT CLASSROOMS FOR TEACHING CULINARY SKILLS. FOUR KITCHEN SPACES WILL BE INSTALLED WITH SUPPORT SPACES. A NEW SERVICE TO SUPPORT THE BUILDING, ALONG WITH NEW POWER AND LIGHTING SYSTEMS SHALL BE INSTALLED. A FIRE ALARM SYSTEM IS PERFORMANCE SPECIFIED AND PROVIDED BY A SPECIALTY CONTRACTOR UNDER SEPARATE COVER. THE ONLY OTHER SPECIAL SYSTEM IS AN ACCESS CONTROL SYSTEM.



CERTIFICATE OF AUTHORIZATION NO: T3 ALASKA, LLC AECL # 1625

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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

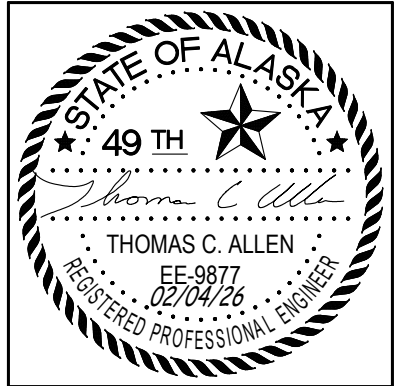
### REVISION SCHEDULE

#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
DRAWN	MJM
REVIEWED	TCA

SHEET NAME  
ABBREVIATIONS, LEGENDS,  
& SPECIFICATIONS

SHEET NO.  
**E0.1**



CERTIFICATE OF AUTHORIZATION NO:  
T3 ALASKA, LLC AECL # 1625

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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

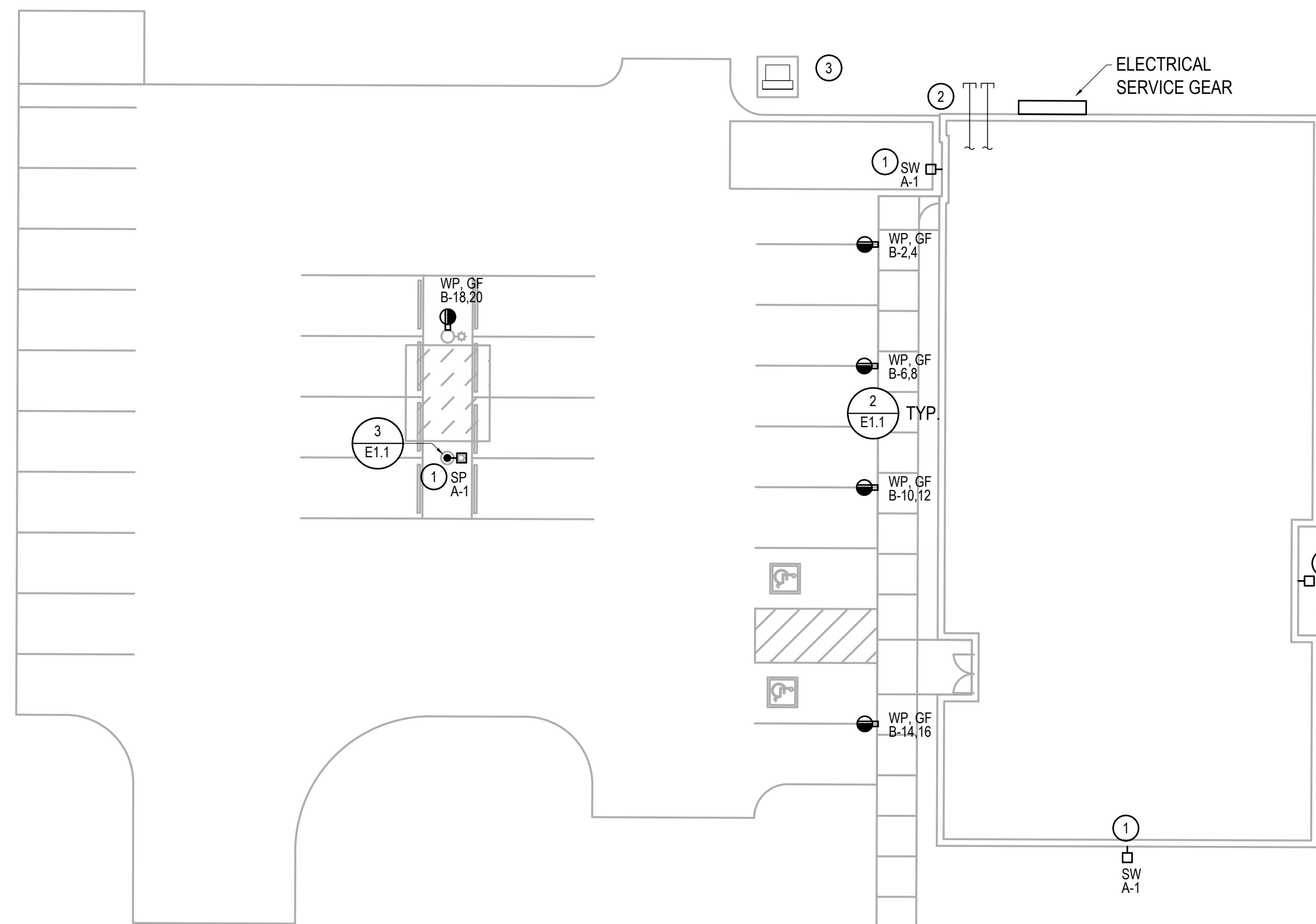
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN MUM  
 REVIEWED TCA

SHEET NAME  
 SITE ELECTRICAL PLAN

SHEET NO.  
**E1.1**

HALF SCALE WHEN PRINTED AT 11x17



**GENERAL NOTES**

1. MINIMUM BURIAL DEPTH OF LIGHTING AND POWER SYSTEM CONDUITS SHALL BE 24" MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE. REFERENCE ALSO CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL TRENCHING AND BACKFILL REQUIREMENTS.
2. ALL EXTERIOR FEEDER AND BRANCH CIRCUIT SHALL UTILIZE CONDUCTORS WITH TYPE XHHW INSULATION.
3. MINIMUM BURIAL DEPTH OF TELECOMMUNICATIONS SYSTEM CONDUITS SHALL BE 36" MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE. REFERENCE ALSO CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL TRENCHING AND BACKFILL REQUIREMENTS.

**SHEET NOTES**

INDICATED BY: (#)

1. CONTROL EXTERIOR LIGHTING CIRCUIT 'A-1' VIA PHOTOCELL, FIELD LOCATE.
2. PROVIDE TWO 4" PVC CONDUITS FOR COMMERCIAL TELEPHONE AND TELECOMMUNICATIONS SERVICE. EXTEND CONDUITS TO UTILITY EASEMENT, COORDINATE EXACT TERMINATION LOCATION WITH APPROPRIATE UTILITY. CAP AND PROVIDE LOCATES FOR FUTURE USE. STUB UP CONDUITS BELOW TELECOMMUNICATIONS BACKBOARD IN EQUIPMENT ROOM AS INDICATED ON FLOOR PLANS.
3. PROPOSED UTILITY TRANSFORMER LOCATION.

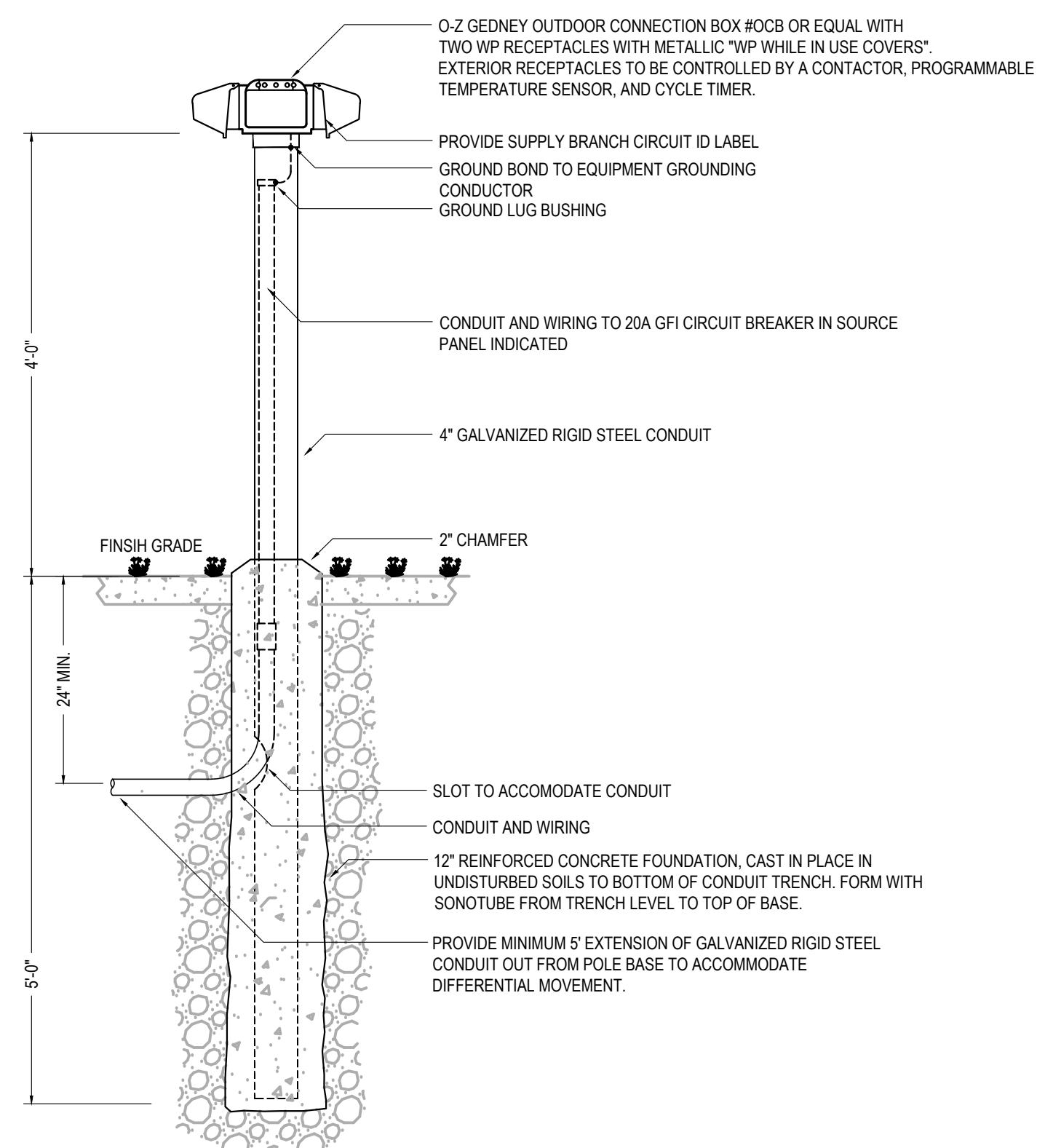
**EXTERIOR ILLUMINATION SUMMARY**

MINIMUM DESIGN REQUIREMENTS		DESIGNED PERFORMANCE LEVELS	
MINIMUM ILLUMINATION LEVEL	0.2 FC	MINIMUM ILLUMINATION LEVEL	0.2 FC
AVERAGE ILLUMINATION LEVEL	0.4 FC	AVERAGE ILLUMINATION LEVEL	0.9 FC
UNIFORMITY RATIO (MAX:MIN)	20:1	UNIFORMITY RATIO (MAX:MIN)	16.0:1
UNIFORMITY RATION (AVG:MIN)	10:1	UNIFORMITY RATIO (AVG:MIN)	4.5:1

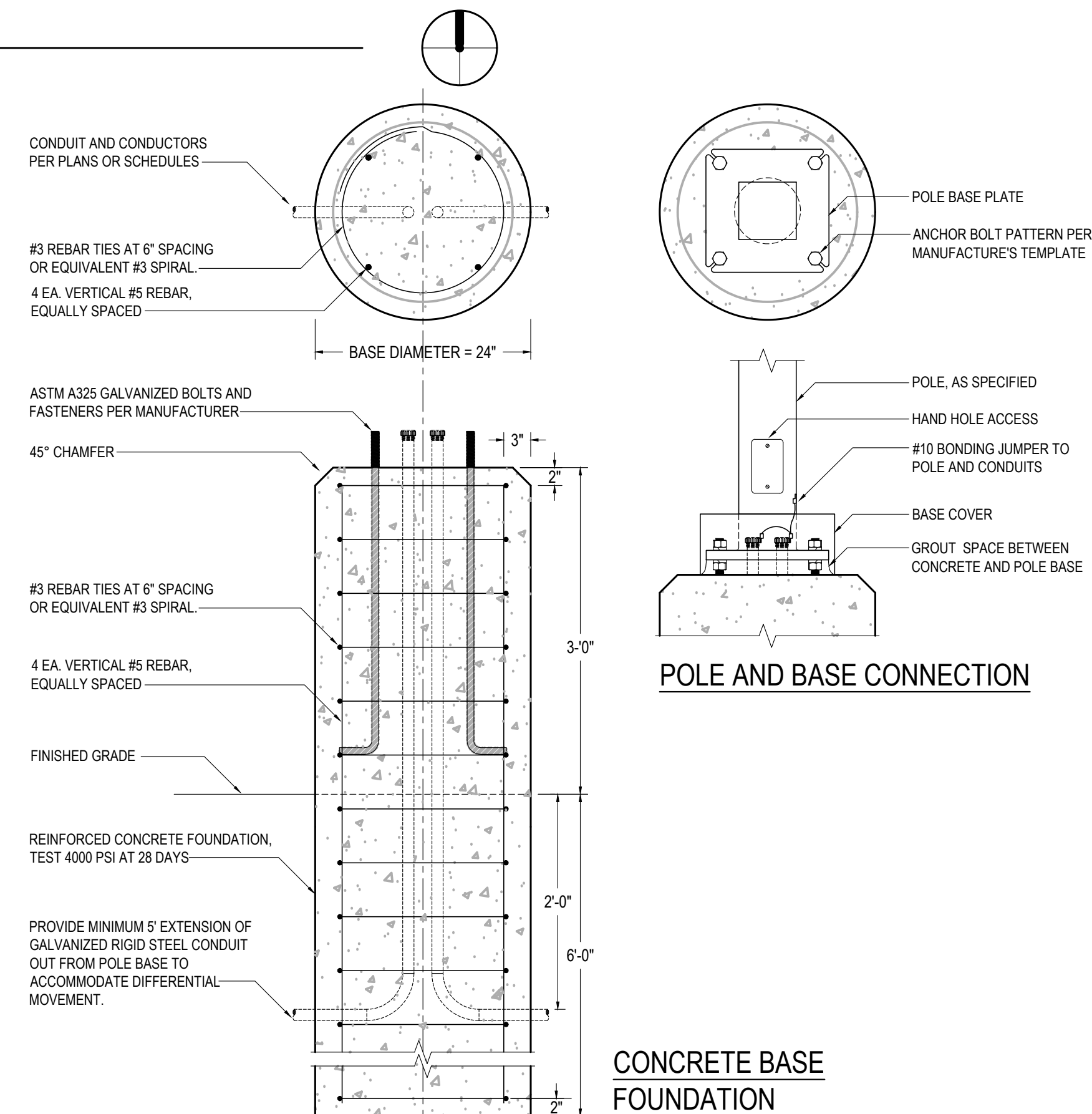
MOA TITLE 21 COMPLIANCE:  
 1. SYSTEMS ARE DESIGNED TO MINIMIZE GLARE TO MOTORIST ON PUBLIC STREETS AND RESIDENTS OF ADJACENT PROPERTIES.  
 2. THIS DESIGN COMPLIES WITH THE CURRENT REQUIREMENTS OF TITLE 21 AND IESNA.

ENGINEER SIGNATURE *Thomas C. Allen* DATE: 11/26/2024

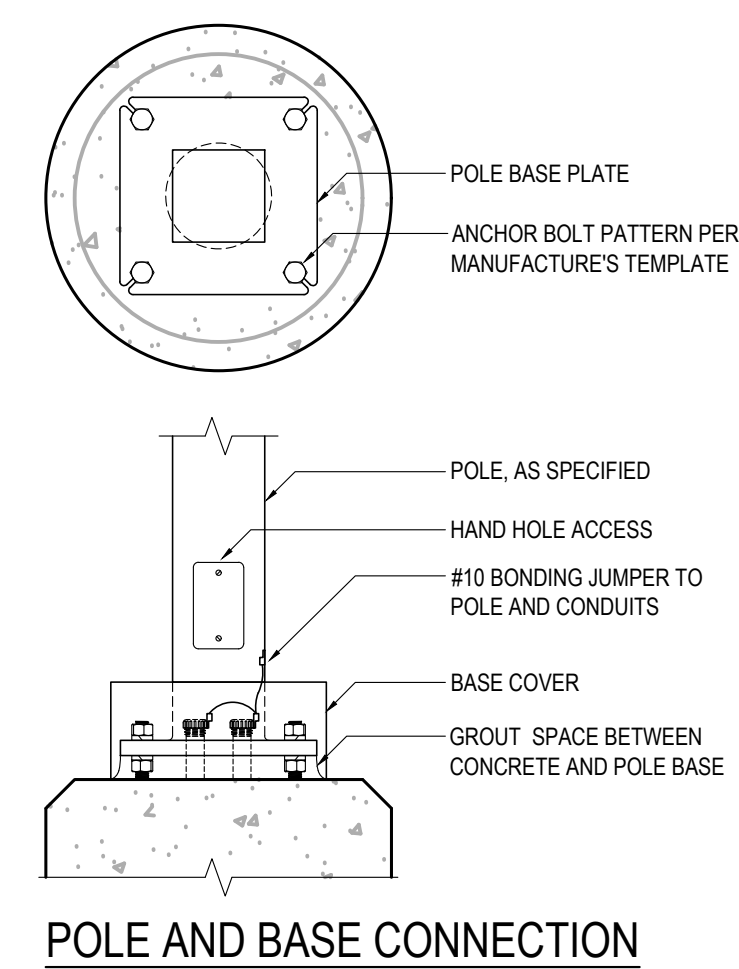
**1 SITE ELECTRICAL PLAN**  
 SCALE: 1" = 10'-0"



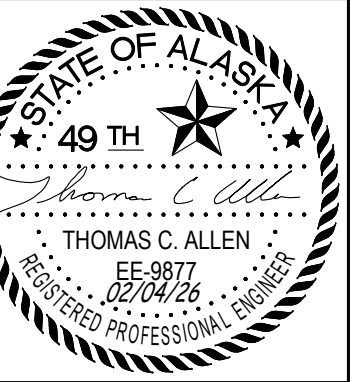
**2 HEADBOLT HEATER RECEPTACLE DETAIL**  
 SCALE: NTS



**3 CONCRETE POLE BASE DETAIL**  
 SCALE: NTS



**POLE AND BASE CONNECTION**



CERTIFICATE OF AUTHORIZATION NO:  
T3 ALASKA, LLC AECL # 1625

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**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

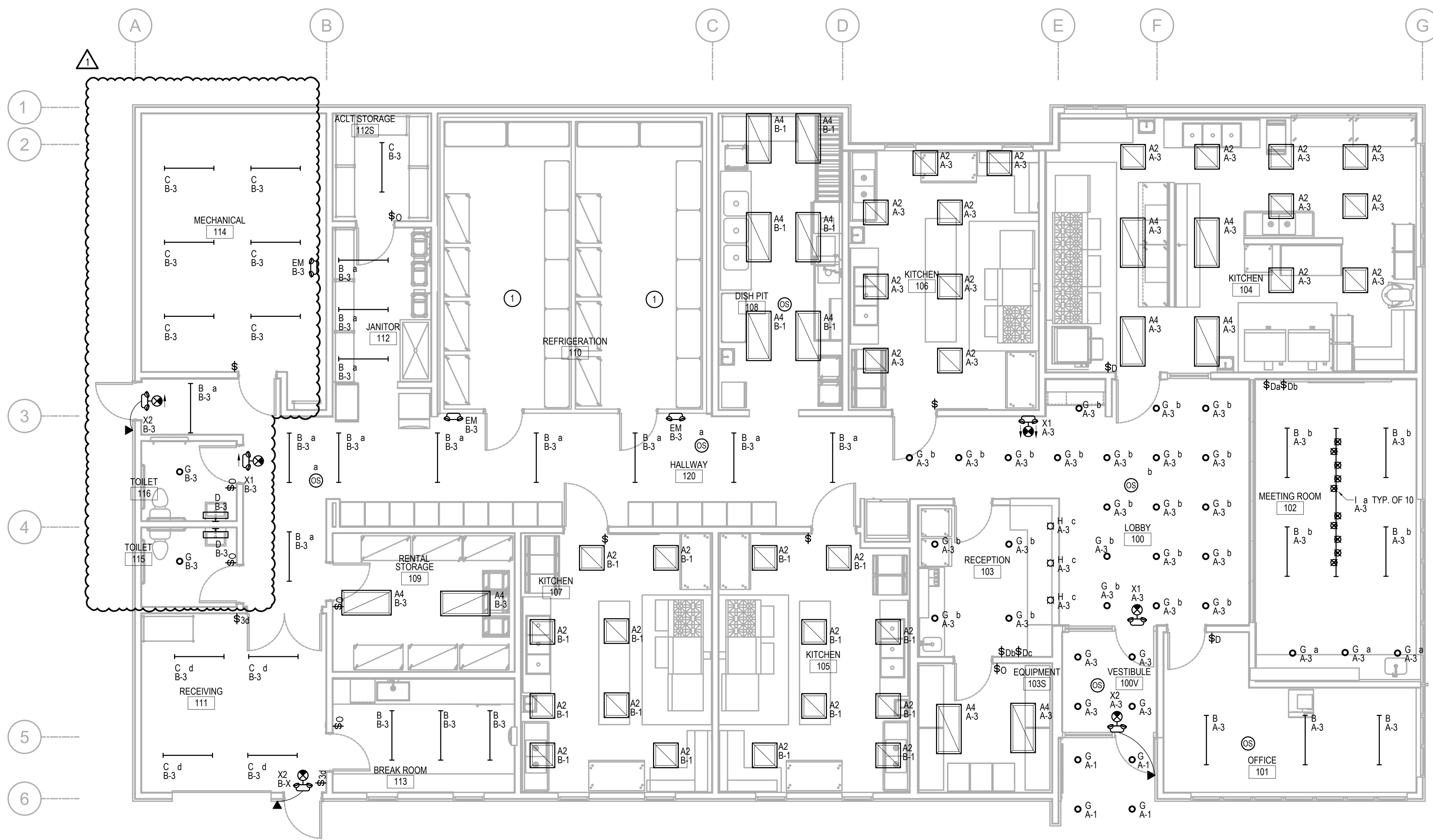
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
DATE 2025.02.14  
DRAWN MJM  
REVIEWED TCA

SHEET NAME  
LIGHTING PLAN

SHEET NO.  
**E2.1**

HALF SCALE WHEN PRINTED AT 11x17



**GENERAL NOTES**

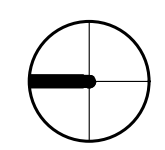
- CONNECT EXIT SIGNS & EMERGENCY EGRESS LIGHTING TO UNSWITCHED LEG OF LOCAL AREA LIGHTING CIRCUIT INDICATED.

**SHEET NOTES**

INDICATED BY: #

- LIGHTING WITHIN WALK-IN IS INTEGRAL TO UNIT. SEE POWER PLAN FOR LIGHTING CIRCUIT FOR REFER UNITS.

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



**SHEET NOTES**

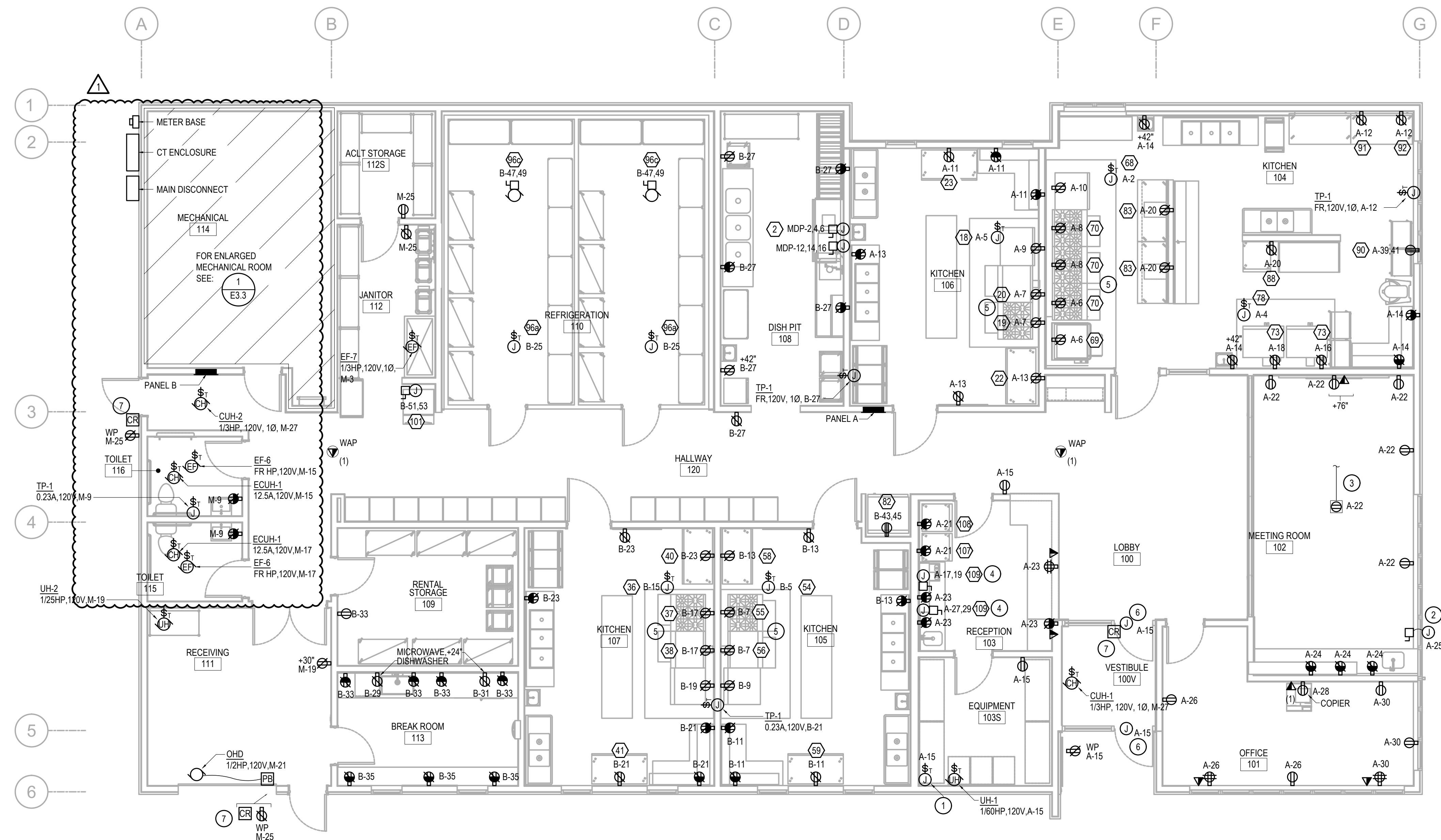
INDICATED BY: #

- PROVIDE SELF LIMITING HEAT TRACE (RAYCHEM GM-1X OR EQUAL) AT ROOF DRAIN UNDER SPOUT SCUPPER. PROVIDE LOCAL CONTROL SWITCH FOR HEAT TRACE AND ENTER DRAIN PIPING UTILIZING SUITABLE GASKETED STRAIN RELIEF CONNECTED AT THREADED "Y" FITTING PROVIDED UNDER MECHANICAL. EXTEND HEAT TRACE TO OUTFALL LIP OF SCUPPER AND CAP PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE WEATHERPROOF JUNCTION BOX AND DISCONNECT FOR BACKLIT BUILDING SIGNAGE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH SIGN VENDOR PRIOR TO ROUGH IN.
- PROVIDE 1" C TO JUNCTION BOX NEXT TO POWER /DATA AT SCREEN.
- ESPRESSO MACHINE HAS NOT BEEN CHOSEN YET. INFORMATION SHOWN IS BASIS OF DESIGN AND MAY CHANGE BASED ON FINAL OWNER SELECTION. VERIFY WITH OWNER AND CHANGE CIRCUIT BREAKER AND CONNECTIONS IF NEEDED.
- COORDINATE ALL ELECTRICAL CONNECTIONS UNDER HOODS TO SHUNT/DISCONNECT UPON SIGNAL FROM ANSUL UNIT.
- POWER FOR ADA DOOR.
- ACCESS CONTROLLED DOOR, SEE ARCHITECTURAL AND DETAIL 3/E4.1 FOR ADDITIONAL INFORMATION.
- ALL EXPOSED WIRING ABOVE CEILING (LOW VOLTAGE AND CABLES) SHALL BE PLENUM RATED.

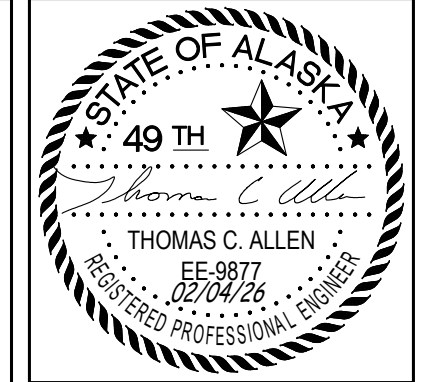
**EQUIPMENT SCHEDULE**

INDICATED BY: #

- CONVEYOR DISHWASHER (1): 100A, 208V, 3Ø, 2°C, 4#1/0, 1#6. DIRECT CONNECTION TO DISHWASHER. 59A, 208V, 3Ø, 3/4, 1#8 DIRECT CONNECTION TO BOOSTER HEATER
- EXHAUST HOOD 106 LIGHTING & CONTROLS (1): 500VA, 120V. DIRECT CONNECTION.
- 6 BURNER 36" RANGE 106 (1): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- 36" MANUAL GRIDDLE 106 (1): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- REACH-IN REFRIGERATOR 106 (1): 5.4A, 120V. CORD & PLUG CONNECTION.
- REACH-IN FREEZER 106 (1): 9.6A, 120V. CORD & PLUG CONNECTION.
- EXHAUST HOOD 105 LIGHTING & CONTROLS (1): 500VA, 120V. DIRECT CONNECTION.
- 6 BURNER 36" RANGE 107 (1): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- 36" MANUAL GRIDDLE 107 (1): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- REACH-IN REFRIGERATOR 107 (1): 5.4A, 120V. CORD & PLUG CONNECTION.
- REACH-IN FREEZER 107 (1): 9.6A, 120V. CORD & PLUG CONNECTION.
- EXHAUST HOOD 105 LIGHTING & CONTROLS (1): 500VA, 120V. DIRECT CONNECTION.
- 6 BURNER 36" RANGE 105 (1): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- 36" MANUAL GRIDDLE 105 (1): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- REACH-IN REFRIGERATOR 105 (1): 5.4A, 120V. CORD & PLUG CONNECTION.
- REACH-IN FREEZER 105 (1): 9.6A, 120V. CORD & PLUG CONNECTION.
- EXHAUST HOOD 104 LIGHTING & CONTROLS (1): 500VA, 120V. DIRECT CONNECTION.
- TILTED SKILLET BRAISING PAN 104 (1): 9A, 120V, 1Ø. CORD & PLUG CONNECTION.
- 6 BURNER 36" RANGE 104 (3): 6A, 120V, 1Ø. CORD & PLUG CONNECTION. PROVIDE SHUNT TRIP CIRCUIT BREAKERS FOR RECEPTACLES SERVING EQUIPMENT UNDER TYPE 1 HOODS.
- CONVECTION OVEN 104 (2): 2 x 7.7A, 120V. CORD & PLUG CONNECTION.
- EXHAUST HOOD 104 LIGHTING & CONTROLS (1): 500VA, 120V. DIRECT CONNECTION.
- BLAST CHILLER FREEZER (1): 16A, 208V, 1Ø. NEMA 14-20P CORD & PLUG CONNECTION.
- REFRIGERATED WORK TOP 104 (2): 4A, 120V. CORD & PLUG CONNECTION.
- REACH-IN REFRIGERATOR 104 (1): 2.2A, 120V. CORD & PLUG CONNECTION.
- PLANETARY MIXER 104 (1): 23A, 208V, 1Ø. NEMA L6-20P CORD & PLUG CONNECTION.
- REACH-IN REFRIGERATOR 104 (1): 4.0A, 120V, 1Ø. CORD & PLUG CONNECTION.
- REACH-IN FREEZER 104 (1): 4.8A, 120V, 1Ø. CORD & PLUG CONNECTION.
- WALK-IN COOLER FREEZER 110 LIGHTING, CONTROLS, & HEAT TRACE (1): 500VA, 120V. DIRECT CONNECTION.
- WALK-IN COOLER FREEZER 110 CONDENSING UNIT (1) (ON ROOF): 44.3A, 208V, 1Ø. DIRECT CONNECTION.
- WALK-IN COOLER FREEZER 110 DEFROST FAN (1): 1.5A, 208V, 1Ø. DIRECT CONNECTION.
- ICE MAKER, CUBE STYLE (1): 9.5A, 208V, 1Ø. DIRECT CONNECTION.
- REACH-IN HEATED CABINET 103 (1): 8.5A, 120V, 1Ø. CORD AND PLUG CONNECTION.
- REACH-IN REFRIGERATOR 103 (1): 2.5A, 120V, 1Ø. CORD AND PLUG CONNECTION.
- COFFEE BREWER 103 (1): 8000W, 208V, 1Ø, 1°C, 3#6, 1#10. DIRECT CONNECTION.
- ESPRESSO MACHINE (1): 6400W, 208V, 1Ø, 3/4°C, 3#8, 1#10. DIRECT CONNECTION.



**1 POWER & SIGNAL PLAN**  
SCALE: 3/16" = 1'-0"



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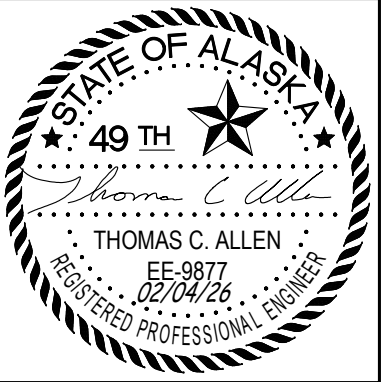
**ANCHORAGE COMMUNITY LAND TRUST**  
**KITCHEN CABINET**  
**ANCHORAGE, ALASKA**

#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
DRAWN	MJM
REVIEWED	TCA

SHEET NAME  
**POWER & SIGNAL PLAN**

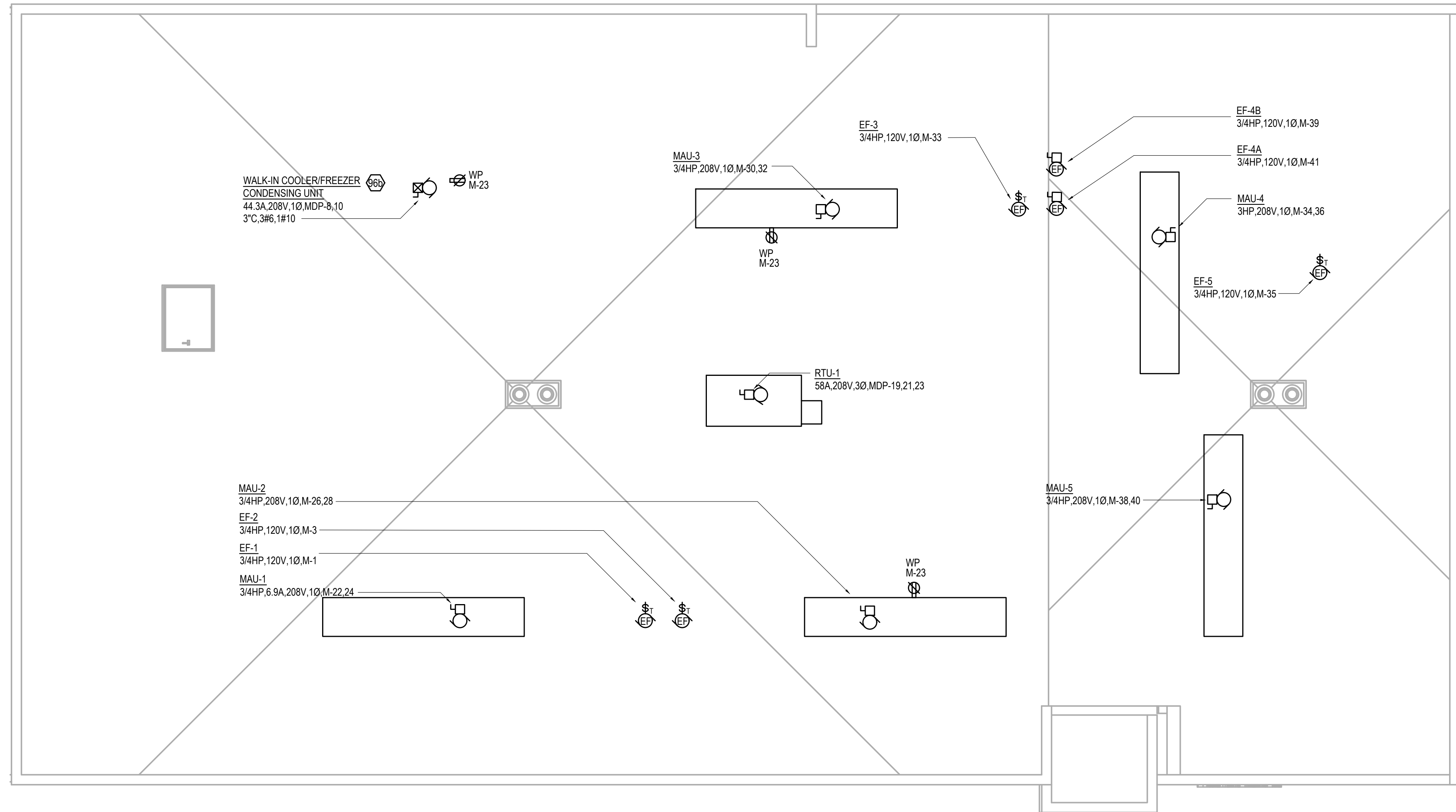
SHEET NO.  
**E3.1**



CERTIFICATE OF AUTHORIZATION NO:  
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**ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA**



**GENERAL NOTES**

1. ALL WIRING AND DEVICES INSTALLED ON BUILDING ROOF SHALL BE WEATHERPROOF AND/OR LISTED FOR WET LOCATIONS. RACEWAYS RUN ON THE SURFACE OF A ROOF OR SUBJECT TO DAMAGE FROM SNOW, ICE, OR FOOT TRAFFIC, SHALL BE RIGID METAL OR INTERMEDIATE METAL CONDUIT ONLY.
2. PROVIDE WEATHERPROOF CONVENIENCE RECEPTACLES WITHIN 25' OF ALL ROOF LEVEL MECHANICAL EQUIPMENT.
3. RTU / MAU UNITS HAVE FACTORY PROVIDE INTEGRAL CIRCUIT BREAKERS FOR OVERCURRENT PROTECTION ALONG WITH INTEGRAL UNPOWERED RECEPTACLE. PROVIDE POWER FOR RECEPTACLE AS SHOWN.

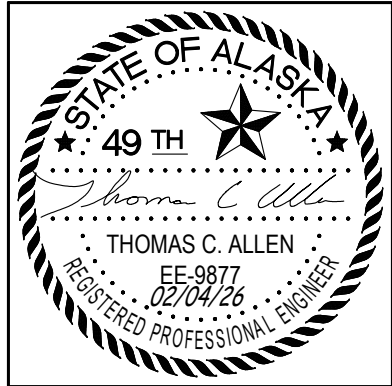
**1 ROOF LEVEL POWER & SIGNAL PLAN**  
 SCALE: 3/16" = 1'-0"

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

JOB NO.	2024.101.0
DATE	2025.02.14
DRAWN	MJM
REVIEWED	TCA

SHEET NAME  
**ROOF LEVEL  
 POWER & SIGNAL PLAN**

SHEET NO.  
**E3.2**



CERTIFICATE OF AUTHORIZATION NO:  
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ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

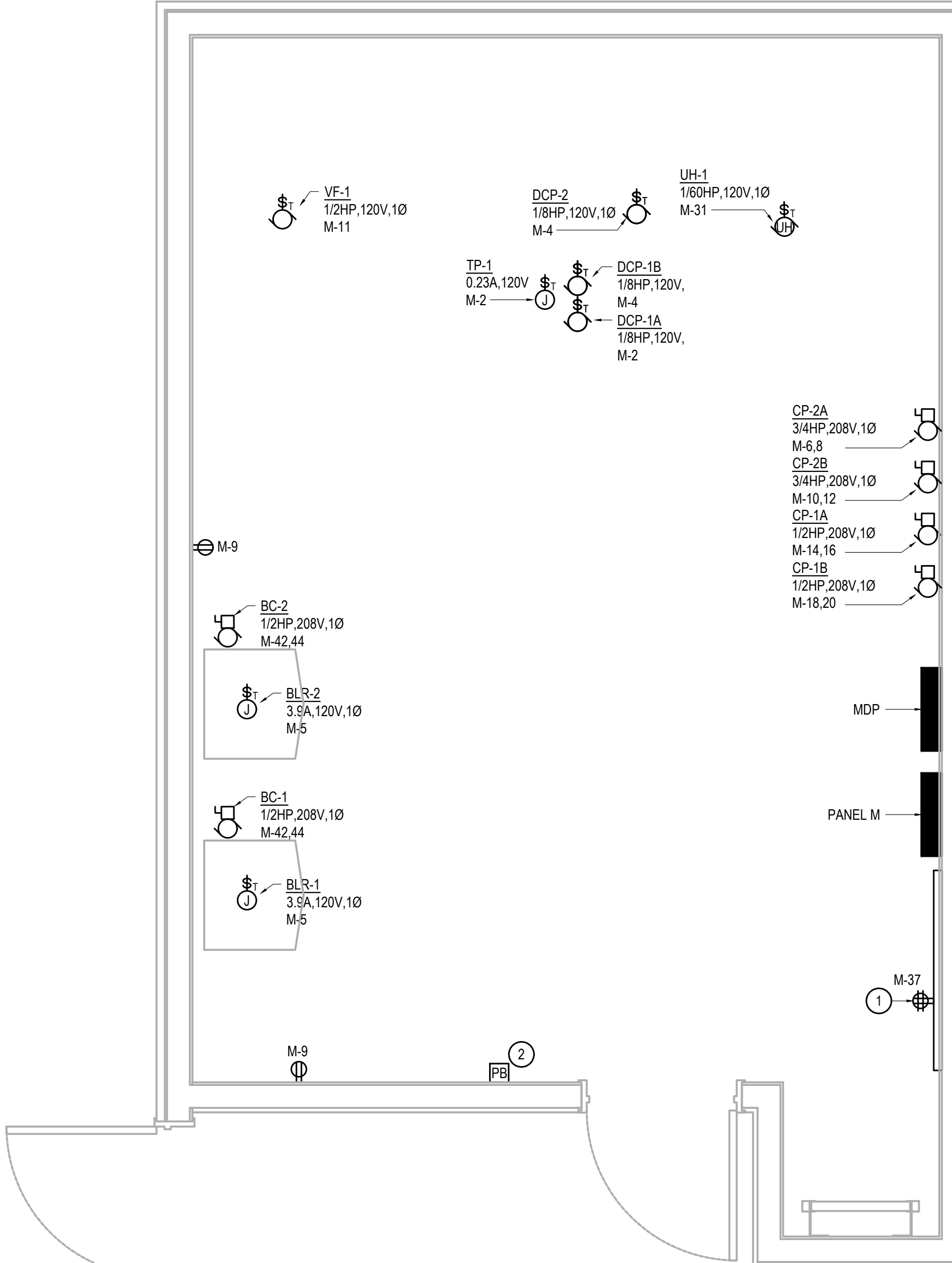
REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

JOB NO. 2024.101.0  
 DATE 2025.02.14  
 DRAWN MJM  
 REVIEWED TCA

SHEET NAME  
 ENLARGED MECHANICAL ROOM PLAN

SHEET NO.  
**E3.3**

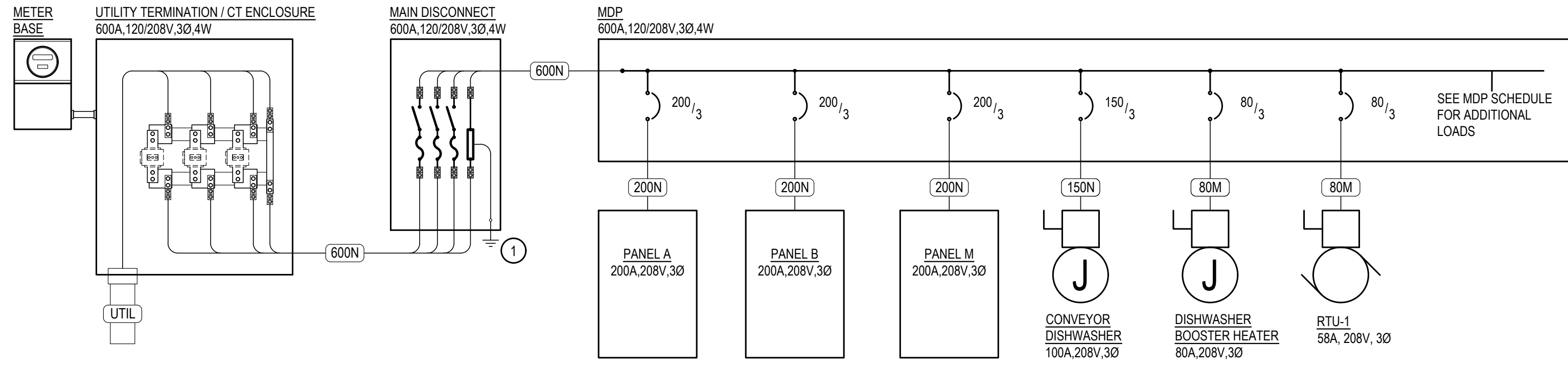
HALF SCALE WHEN PRINTED AT 11x17



**SHEET NOTES** INDICATED BY: ( # )

1. PAINTED BACKBOARD AND LOCATION FOR COMM EQUIPMENT, SEE RISER.
2. PROVIDE PUSH BUTTON AT MECHANICAL ROOM EXITS FOR BOILER EMERGENCY SHUTOFF. CONNECT TO BOILER SHUNT TRIP BREAKERS & COORDINATE WITH MECHANICAL PRIOR TO ROUGH IN..

**1 ENLARGED MECHANICAL ROOM PLAN**  
 SCALE: 1/2" = 1'-0"



### GENERAL NOTES

- IMMEDIATELY UPON PROJECT INCEPTION THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY FOR THE INSTALLATION OF A NEW ELECTRICAL SERVICE. EQUIPMENT LAYOUT AS SHOWN IS DIAGRAMMATIC. THE CONTRACTOR SHALL SUBMIT DETAILED INFORMATION REGARDING THE PROPOSED SERVICE ENTRANCE EQUIPMENT TO THE UTILITY COMPANY AND OWNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING ANY EQUIPMENT. ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE LOCAL UTILITY STANDARDS AND THE LATEST ADOPTED NEC.

### SHEET NOTES

- PROVIDE GROUNDING SYSTEM AS FOLLOWS: #X CU. TO WATER MAIN, #X CU. TO BUILDING STEEL, 2Ø OF #X CU. ENCASED IN FOOTING CONCRETE AND BONDED TO REBAR, AND #4 CU. TO DRIVEN ROD ELECTRODE.

## 1 ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NTS

### GENERAL NOTES

- COORDINATE WITH UTILITY AND OWNER TO VERIFY WHETHER EQUIPMENT IS WALL OR RACK MOUNTED AND PROVIDE INSTALLATION ACCORDINGLY.

### COMMUNICATIONS EQUIPMENT SCHEDULE

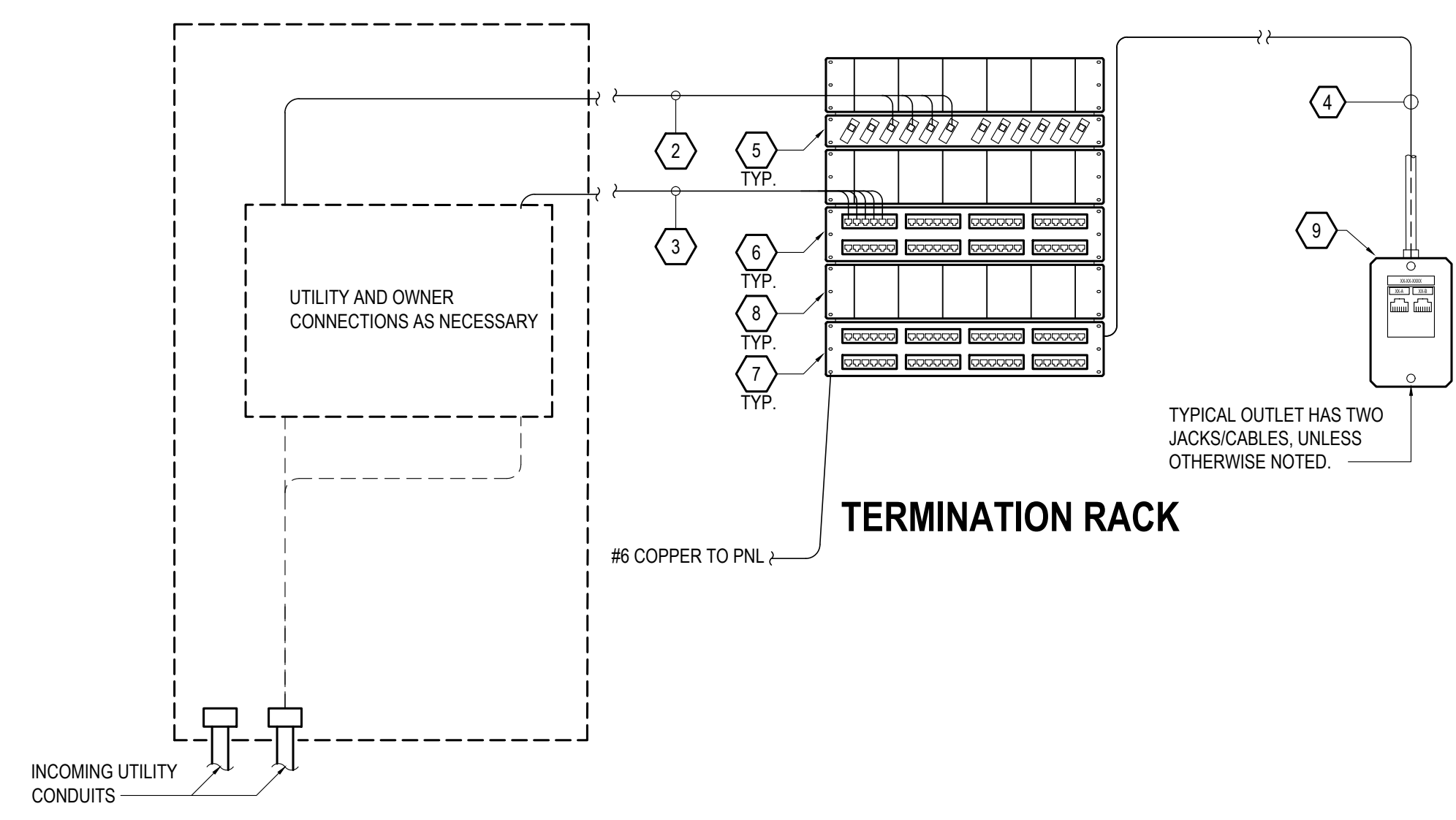
- 12" x 4" x 1/4" GROUNDING BAR ON ISOLATORS WITH GROUNDING CONDUCTOR BACK TO MAIN CER GROUNDING BAR AND ACCESSIBLE BUILDING STEEL.
- 4 STRAND (2-PAIR) SM FIBER CABLES FROM UTILITY, CONTRACTOR TO VERIFY OWNER NEEDS.
- 5-CATEGORY 6 CABLES FROM UTILITY, CONTRACTOR TO VERIFY OWNER NEEDS.
- CAT 6 CABLE, ONE PER JACK, TYPICAL.
- 12 PORT FIBER OPTIC PATCH PANELS WALL MOUNTED WITH TYPE SC CONNECTOR PORTS.
- CAT 6 UTP PATCH PANEL - WALL MOUNTED - VOICE BACKBONE.
- CAT 6 UTP PATCH PANEL - WALL MOUNTED- HORIZONTAL CABLE.
- WIRE MANAGEMENT PANEL - WALL MOUNTED
- TELECOMMUNICATIONS OUTLET: PROVIDE WITH TWO CAT 6 8P8C JACKS PER OUTLET UNLESS NOTED OTHERWISE. INSTALL IN 4-11/16" x 4-11/16" x 2-1/8" d BACK BOX WITH SINGLE GANG DEVICE RING.

FEEDER TAG	COPPER CONDUCTORS		
	CONDUCTORS	RACEWAY	NOTES
40N	4#8, 1#10 EGC	1"	
80M	3#4, 1#8 EGC	1"	
150N	4#10, 1#6 EGC	2"	
200N	4#30, 1#6 EGC	2"	
600N	2 x 4#350, 1#1 EGC	2 x 3"	
UTIL	CONDUIT ONLY		

NOTES:

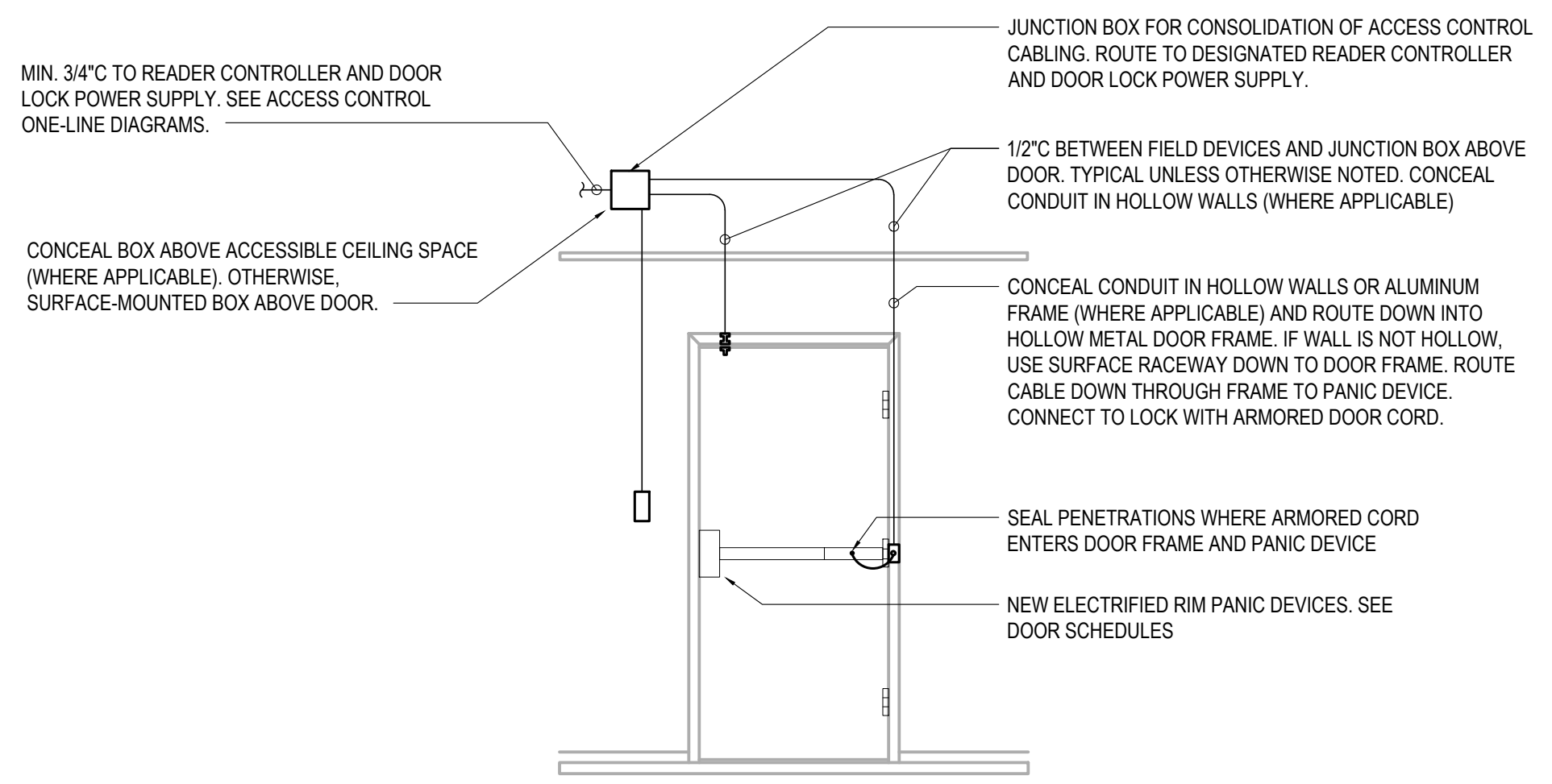
FAULT CURRENT CALCULATION SUMMARY			ASSUMED UTILITY CONFIGURATION		
EQUIPMENT	SUPPLY FEEDER RATING AND LENGTH	FAULT CURRENT L-L	FAULT CURRENT L-N	BUS RATING	
UTILITY TRANS SECONDARY	N/A	18,505 A	N/A	N/A	
UTILITY TERMINATION / CT ENCLOSURE	2 EA. #350 CU PER PHASE 50'	15,056 A	12,345 A	22,000 A	
MAIN DISCONNECT	2 EA. #350 CU PER PHASE 5'	14,820 A	12,931 A	22,000 A	
MDP	2 EA. #350 CU PER PHASE 9'	14,414 A	12,403 A	22,000 A	
PANEL M	1 EA. #30 CU PER PHASE 5'	13771 A	13,334 A	22,000 A	
PANEL A	1 EA. #30 CU PER PHASE 60'	9,236 A	7,310 A	10,000 A	
PANEL B	1 EA. #30 CU PER PHASE 14'	12,746 A	11,750 A	22,000 A	
RTU-1	1 EA. #4 CU PER PHASE 100'	3,470 A	2,229 A	5,000 A	

CONTRACTOR TO CONFIRM UTILITY ASSUMPTIONS UTILIZED FOR THIS CALCULATION AS WELL AS INSTALLED CONDUCTOR CONFIGURATIONS AND LENGTHS DURING CONSTRUCTION. REPORT ANY DECREASE IN TRANSFORMER IMPEDENCE AND INSTALLED CABLE LENGTHS AS WELL AS ANY INCREASE IN TRANSFORMER KVA RATING AND CONDUCTOR RATINGS TO ENGINEER FOR RE-EVALUATION PRIOR TO DISTRIBUTION EQUIPMENT PROCUREMENT.



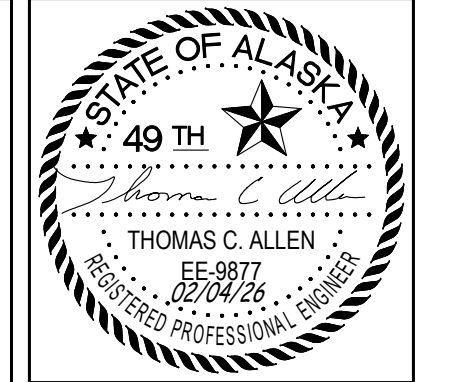
## 2 TELECOMMUNICATIONS RISER DIAGRAM

SCALE: NTS



## 3 ACCESS CONTROL DETAIL

SCALE: NTS



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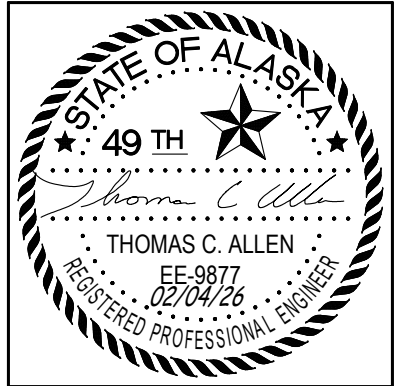
ANCHORAGE COMMUNITY LAND TRUST  
 KITCHEN CABINET  
 ANCHORAGE, ALASKA

REVISION SCHEDULE		
#	DESCRIPTION	DATE
1	Building Size Decrease	03.09.2026

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DATE	2025.02.14
DRAWN	MJM
REVIEWED	TCA

SHEET NAME  
DIAGRAMS, DETAILS,  
& SCHEDULES

SHEET NO.  
**E4.1**



CERTIFICATE OF AUTHORIZATION NO: T3 ALASKA, LLC AECL # 1625



ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

ANCHORAGE COMMUNITY LAND TRUST  
KITCHEN CABINET  
ANCHORAGE, ALASKA

REVISION SCHEDULE table with columns: #, DESCRIPTION, DATE. Includes revision 1: Building Size Decrease, 03.09.2026.

JOB NO. 2024.101.0, DATE 2025.02.14, DRAWN MUM, REVIEWED TCA.

SHEET NAME: PANEL & FIXTURE SCHEDULES

SHEET NO. E5.1

HALF SCALE WHEN PRINTED AT 11x17

PANEL M table with columns: CKT, AMP, POLE, LOAD DESCRIPTION, PHASE A VA, PHASE B VA, PHASE C VA, LOAD DESCRIPTION, POLE, AMP, CKT. Includes loads like EXH. FAN ROOFTOP UNITS SW,1 and DCP-1A & TRAP PRIMER MECH.

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

\*\* DEMAND LOAD CALCULATED IN ACCORDANCE WITH NEC ARTICLE 220

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE ID, MANUFACTURER MODEL NUMBER, FIXTURE DESCRIPTION, LED (LUMENS, WATTS), MOUNTING TYPE. Lists fixtures like LITHONIA LIGHTING #CPANL-2X2-AL01-SWW7-M2 and JLC TECH #TBSL-MW-4-24-D-U-W.

NOTE: FIXTURES MAY BE SUBSTITUTED ON A ONE-FOR-ONE BASIS WITH APPROVAL BY PROJECT MANAGER.

PANEL MDP table with columns: CKT, AMP, POLE, LOAD DESCRIPTION, PHASE A VA, PHASE B VA, PHASE C VA, LOAD DESCRIPTION, POLE, AMP, CKT. Includes loads like CONVEYOR DISHWASHER and WALK-IN CONDENSING UNIT.

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

\*\* DEMAND LOAD CALCULATED IN ACCORDANCE WITH NEC ARTICLE 220

PANEL A table with columns: CKT, AMP, POLE, LOAD DESCRIPTION, PHASE A VA, PHASE B VA, PHASE C VA, LOAD DESCRIPTION, POLE, AMP, CKT. Includes loads like LTG - EXTERIOR and REC - KITCHEN 104 SKILLET & RANGE 1.

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

\*\* DEMAND LOAD CALCULATED IN ACCORDANCE WITH NEC ARTICLE 220

PANEL B table with columns: CKT, AMP, POLE, LOAD DESCRIPTION, PHASE A VA, PHASE B VA, PHASE C VA, LOAD DESCRIPTION, POLE, AMP, CKT. Includes loads like REC - HEADBOLT HEATER 1 and REC - HEADBOLT HEATER 10.

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER

\*\* DEMAND LOAD CALCULATED IN ACCORDANCE WITH NEC ARTICLE 220