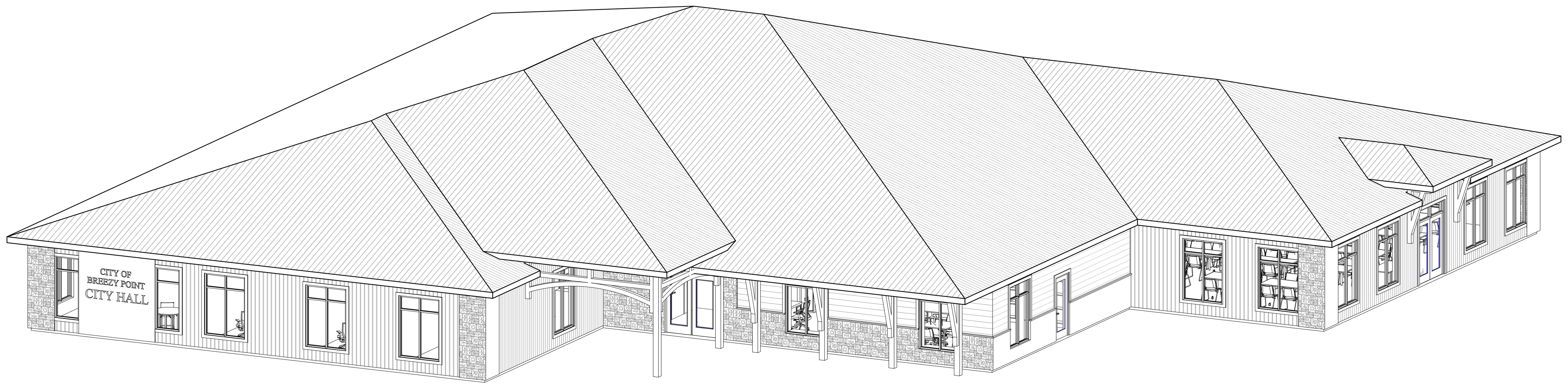
BREEZY POINT CITY HALL

CITY OF BREEZY POINT

8319 COUNTY ROAD 11, BREEZY POINT, MN 56472



SHEET INDEX

SHEET #	SHEET NAME
GENERAL	
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G1.20	CODE INFO - DOOR CLEARANCE, ACCESS. ROUTES
G1.30	CODE INFO - TOILET ROOMS, MISC
G1.40	CODE INFO - STAIRS, SITE
LIFE SAFETY	
LS1.00	CODE REVIEW DATA
LS1.10	FIRST LEVEL LIFE SAFETY PLAN
CIVIL	
C4.01	EXISTING CONDITIONS & REMOVALS PLAN
C5.01	SITE PLAN
C6.01	GRADING PLAN
C7.01	UTILITY PLAN
ARCHITECTURAL	
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A2.10	FIRST LEVEL REFLECTED CEILING PLAN
A3.10	ROOF PLAN
A4.10	BUILDING ELEVATIONS
A4.20	BUILDING ELEVATIONS
A5.10	BUILDING SECTIONS
A5.11	BUILDING SECTIONS
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A5.21	WALL SECTIONS
A5.22	WALL SECTIONS
A6.10	ENLARGED FLOOR PLANS
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A9.30	WALL, PARTITION, AND ROOF TYPES
A10.10	FIRST LEVEL FINISH PLAN

SHEET INDEX

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PLUMBING	
P1.00	UNDERFLOOR PLUMBING PLAN
P1.10	FIRST LEVEL PLUMBING PLAN
P6.10	WASTE & VENT RISER DIAGRAMS
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ED1.10	SITE PLAN - ELECTRICAL DEMOLITION
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E1.10	ELECTRICAL SITE PLAN
E2.10	LIGHTING PLAN
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E6.10	ELECTRICAL DETAILS
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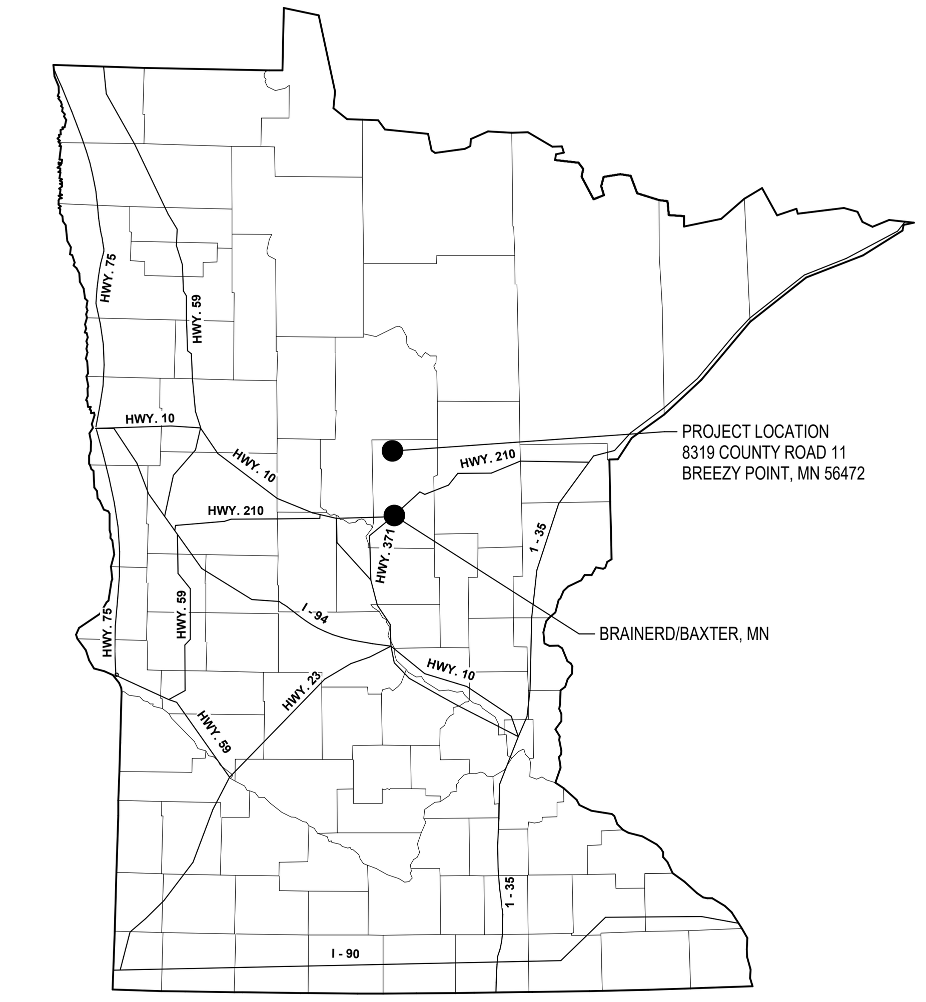

STATE MAP

PROJECT LOCATION

VICINITY MAP

ABBREVIATIONS

@	AT
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ACT	ACOUSTIC CEILING TILE
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ALT	ALTERNATE
AL	ALUMINUM
∠	ANGLE
APX	APPROXIMATE
ARCH	ARCHITECT (URAL)
BSMT	BASEMENT
BM	BEAM or BENCHMARK
BRG	BEARING
BPL	BEARING PLATE
BIT	BITUMINOUS
BLK	BLOCK
BLKG	BLOCKING
BRK	BRICK
BLDG	BUILDING
CAB	CABINET
CPT	CARPET (ED)
CSMT	CASEMENT
CI	CAST IRON
CB	CATCH BASIN
CLG	CEILING
C	CENTERLINE
C	CHANNEL
CHBD	CHALKBOARD
CO	CLEANOUT
CLR	CLEAR
CL	CLOSET
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CJT	CONTROL JOINT
DL	DEAD LOAD
°	DEGREE(S)
DEPT	DEPARTMENT
DTL	DETAIL
DIAM	DIAMETER
DIM	DIMENSION
DPR	DISPENSER
DR	DOOR
DH	DOUBLE HUNG
DN	DOWN
DN	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN
E	EAST
EA	EACH
EF	EACH FACE
EW	EACH WAY
ELECT	ELECTRICAL (AL)
EWC	ELECTRIC WATER COOLER
EL	ELEVATION
ELEV	ELEVATOR
EQ	EQUAL
EQP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
EXT	EXTERIOR
FB	FACE BRICK
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FIN	FINISH
FFE	FINISHED FLOOR ELEVATION
FRBK	FIRE BRICK
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FP	FIRE PROOF
FLG	FLASHING
FLR	FLOOR (ING)
FD	FLOOR DRAIN
FT	FOOT
FTG	FOOTING
FND	FOUNDATION
FRA	FRESH AIR
FBO	FURNISHED BY OTHERS
FUR	FURRED(ING)
FUT	FUTURE
GAL	GALVANIZED
GI	GALVANIZED IRON
GA	GAUGE
GC	GENERAL CONTRACTOR
GL	GLASS
GB	GRAB BAR
GD	GRADE(ING)
GYP BD	GYPSUM BOARD
HDW	HARDWARE
HDR	HEADER
HTG	HEATING
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HD	HEAVY DUTY
HT	HEIGHT
HC	HOLLOW CORE
HM	HOLLOW METAL
HOR	HORIZONTAL
HB	HOSE BIBB
HWH	HOT WATER HEATER
HR	HOUR
ID	INSIDE DIAMETER
INS	INSULATE (D),(ION),(ING)
INT	INTERIOR
JT	JOINT
J	JOIST
LB	LAG BOLT
LAM	LAMINATE (ED)
LAV	LAVATORY
LH	LEFT HAND
L	LENGTH
LT	LIGHT
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLH	LONG LEG VERTICAL
LVR	LOUVER
MFR	MANUFACTURER
MAS	MASONRY
MO	MASONRY OPENING
MTL	MATERIAL (S)
MAX	MAXIMUM
MECH	MECHANICAL
MC	MEDICINE CABINET
MED	MEDIUM
MBR	MEMBER
MMB	MEMBRANE
MET	METAL
M=L	MICROLAM
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MT	MOUNT (ED), (ING)
MULL	MULLION
NOM	NOMINAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OD	OUTSIDE DIAMETER
OA	OVERALL
OH	OVERHEAD
PNT	PAINT
PR	PAIR
PNL	PANEL
PB	PANIC BAR
PTD	PAPER TOWEL DISPENSER
PTR	PAPER TOWEL RECEPTOR
PAR	PARALLEL
PBD	PARTICLE BOARD
PTN	PARTITION
PVMT	PAVEMENT
PERF	PERFORATE (ED)
PERI	PERIMETER
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PL OR P	PLATE
PLBG	PLUMBING
±	PLUS OR MINUS
PWD	PLYWOOD
PT	POINT
LBS	POUNDS
PSI	POUNDS PER SQUARE INCH
PC	PRECAST
PFN	PREFINISHED
QT	QUARRY TILE
RAD	RADIUS
REFR	REFRIGERATOR
RE	REINFORCE (D), (ING), (MENT)
REQ'D	REQUIRED
RA	RETURN AIR
RVS	REVERSE
REV	REVISION
RH	RIGHT HAND
ROW	RIGHT OF WAY
R	RISER
RD	ROOF DRAIN
RM	ROOM
RO	ROUGH OPENING
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTOR
SCH	SCHEDULE
SEC	SECTION
SHT	SHEET
SHTH	SHEATHING
SIM	SIMILAR
SC	SOLID CORE
SABI	SOUND ATTENUATING BATT INSULATION
SP	SOUNDPROOF
S	SOUTH
SPK	SPEAKER
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
ST	STEEL
SJ	STEEL JOIST
STO	STORAGE
STR	STRUCTURAL
SUS	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
TKBD	TACK BOARD
TKS	TACK STRIP
TEL	TELEPHONE
TV	TELEVISION
TZ	TERRAZZO
THK	THICK (NESS)
THR	THRESHOLD
TPTN	TOILET PARTITION
TPD	TOILET PAPER DISPENSER
T&G	TONGUE AND GROOVE
TOB	TOP OF BLOCK
TOD	TOP OF DECK
TOS	TOP OF STEEL
T	TREAD
TYP	TYPICAL
UG	UNDERGROUND
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VB	VAPOR BARRIER
VNR	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VIN	VINYL
VCT	VINYL COMPOSITE TILE
WH	WALL HUNG
WC	WATER CLOSET
WP	WATERPROOFING
WWF	WELDED WIRE FABRIC
W	WEST OR WIDTH, WIDE
WDW	WINDOW
WG	WIRED GLASS
WM	WIRE MESH
W/	WITH
W.O	WITHOUT
WD	WOOD
WI	WROUGHT IRON

TYPICAL MATERIAL HATCH PATTERNS

ACOUSTICAL CEILING TILE
ACOUSTICAL WALL PANEL
ALUMINUM - CUT
BATT INSULATION
BRICK - CUT
BRICK - ELEVATION
CLAY - CUT
CMU BLOCK - ELEVATION
CMU/MASONRY - CUT
CONCRETE
EARTH
EXPANSION JOINT
FIRE BRICK - CUT
GLASS - CUT
GLASS - ELEVATION
GLUE-LAMINATE CONSTRUCTION
GRASS
GRAVEL
GYPSUM BOARD
INSULATION BOARD - CUT
RIGID INSULATION - CUT
METAL - CUT
PLASTIC - CUT
PLYWOOD - CUT
SAND
SIDING - ELEVATION
STONE - CUT
WOOD - CUT
WOOD GRAIN

TYPICAL SYMBOLS

KEYED PLAN NOTES

KEYED PLAN NOTES	?
KEYED DEMOLITION NOTES	?

TYP. SYMBOLS

CENTERLINE SYMBOL	℄
EXIT SYMBOL	
GLASS SYMBOL	
HANDICAPPED SYMBOL	
TEMPERED GLASS	(T)
DRINKING FOUNTAIN	DF
FIRE EXTINGUISHER CABINET	FEC
FIRE EXTINGUISHER	FE
TRUE NORTH ARROW	E N S W TRUE NORTH

STANDARD VIEWS

BUILDING ELEVATION MARK: Ref 1 A1.100 DETAIL # SHEET #	VIEW REFERENCES: 12/ A101 SHEET # DETAIL #; A101 SHEET #
CURTAIN WALL ELEVATION MARK: (SIM TO) 1 A1.100 DETAIL # SHEET #	CALLOUT HEAD: SIM 1 A1.100 DETAIL # SHEET #
INTERIOR ELEVATION MARK: (SIM TO) 1 A1.100 DETAIL # SHEET #	SECTION HEAD: SIM 1 A1.100 DETAIL # SHEET #
GRAPHIC SCALE	GRAPHIC SCALE 0' 12' 24'

STANDARD TAGS

CASEWORK TAG	BXXXXXX — CASEWORK #
CEILING TAG	CLG-# — CEILING TYPE; 12'-0" A.F.F. — CEILING HEIGHT
CURTAIN WALL TAGS	CW# — CURTAIN WALL #
DOOR TAGS	### — DOOR #
MATERIAL ID TAG	XXX-## — MATERIAL ID #
PATH OF TRAVEL TAG	DISTANCE: XX'-XX"
REVISION TAG	1 — REVISION #
ROOM TAGS EXISTING, NEW	ROOM NAME ### — ROOM #
WALL TAGS	XY# — WALL TAG; SUBSCRIPT
FIRE RATED WALL TAG AND LINE	1hr — RATING
WINDOW TAGS	W## — WINDOW TYPE #

DESIGN TEAM:

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Phone:

PROJECT NAME: BREEZY POINT CITY HALL
PROJECT ADDRESS: 8319 COUNTY ROAD 11, BREEZY POINT, MN 56472
PROJECT #: 2023-11990

WIDSETH
ARCHITECTS ▪ ENGINEERS ▪ SCIENTISTS ▪ SURVEYORS

REVISIONS

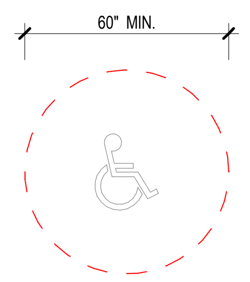
#	DESCRIPTION	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

MICHAEL J. ANGLAND <XX-XX-XX> LIC#: 45375

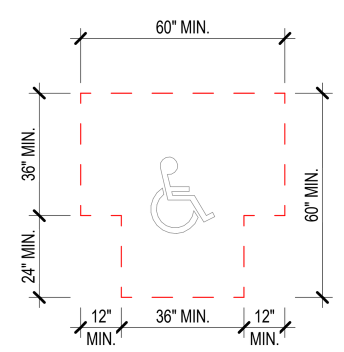
DATE: JANUARY 5, 2024

SHEET NO. **G1.10**

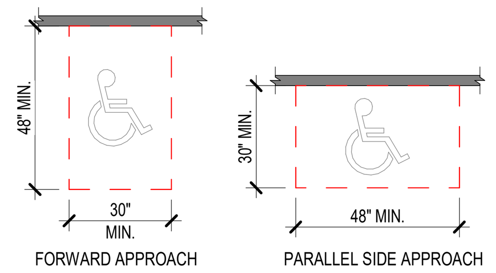


WHEEL CHAIR CIRCULAR TURNING SPACE

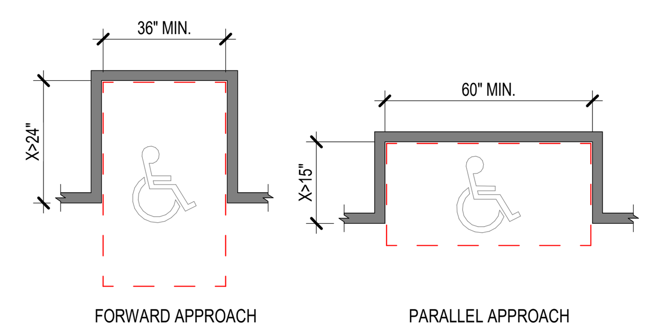
(SECT 304.3)



WHEEL CHAIR T-SHAPED TURNING SPACE

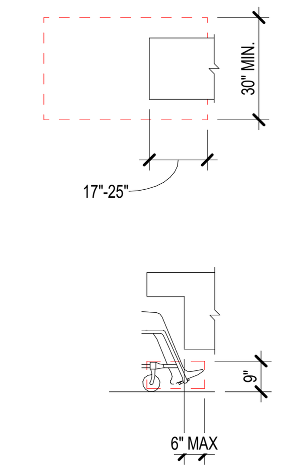


POSITION OF CLEAR FLOOR SPACE

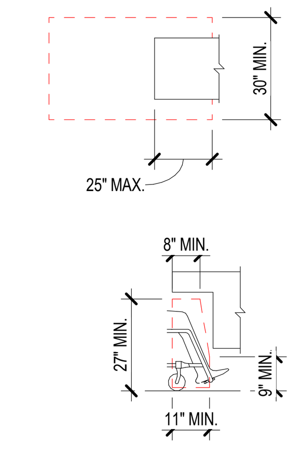


MANEUVERING CLEARANCE IN AN ALCOVE

(SECT 305.7)

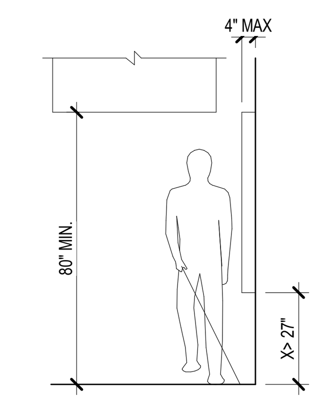


TOE CLEARANCE



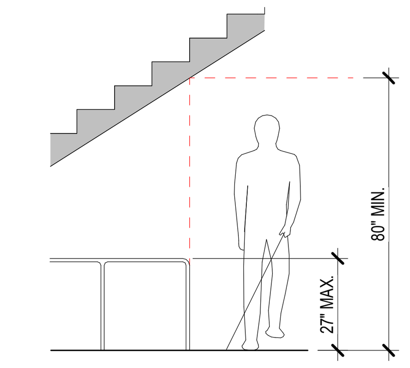
KNEE CLEARANCE

(SECT 306.2-3)



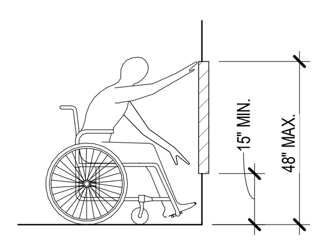
PROTRUDING OBJECTS

(SECT 307.2)



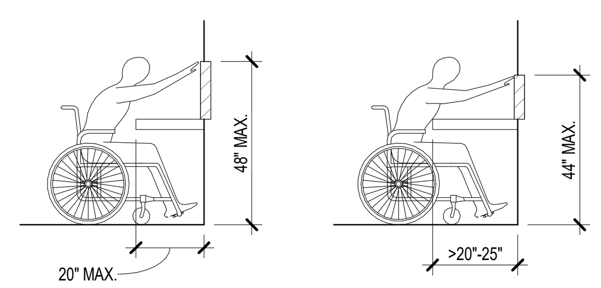
REDUCED VERTICAL CLEARANCE

(SECT 307.4)



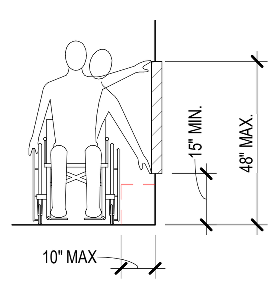
UNOBSTRUCTED FORWARD REACH

(SECT 308.2.1)



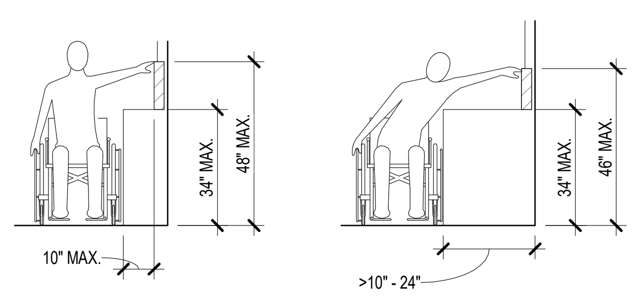
OBSTRUCTED FORWARD REACH

(SECT 308.2.2)



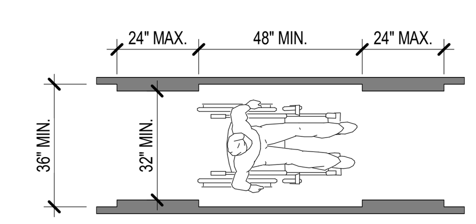
UNOBSTRUCTED SIDE REACH

(SECT 308.3.1)



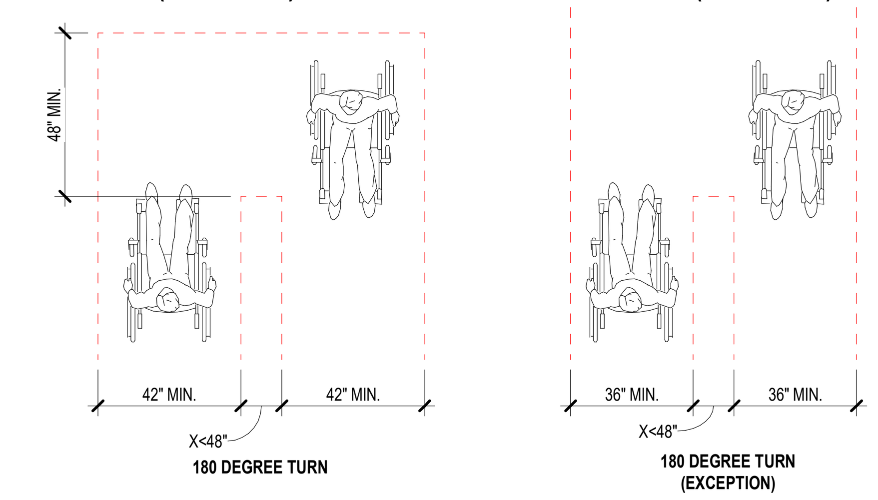
OBSTRUCTED HIGH SIDE REACH

(SECT 308.3.2)



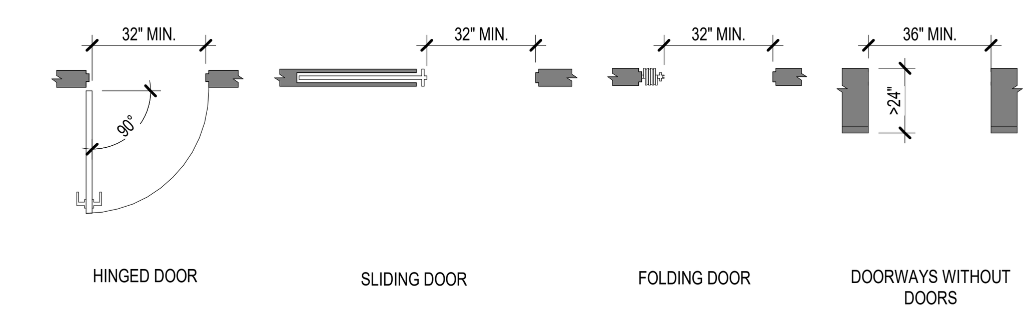
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

(SECT 403.5)



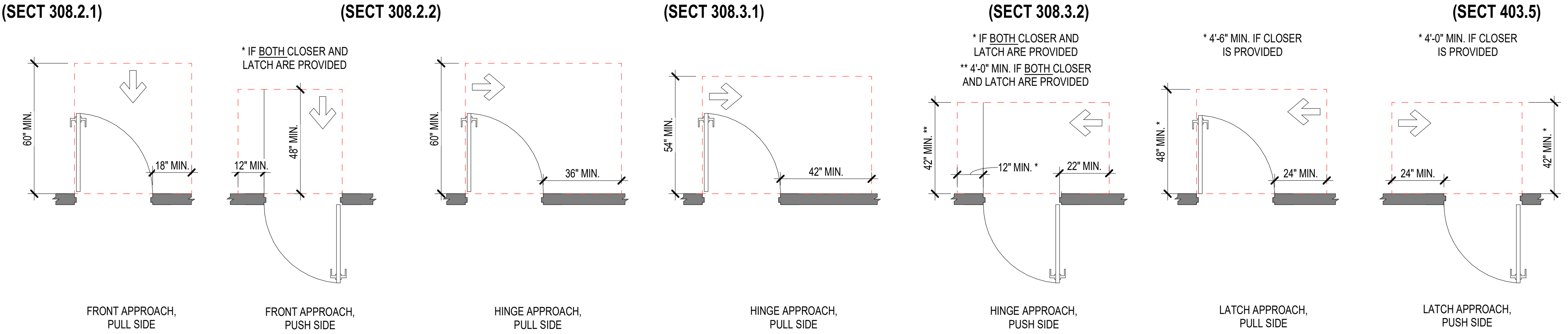
CLEAR WIDTH AT TURN

(SECT 403.5.2)



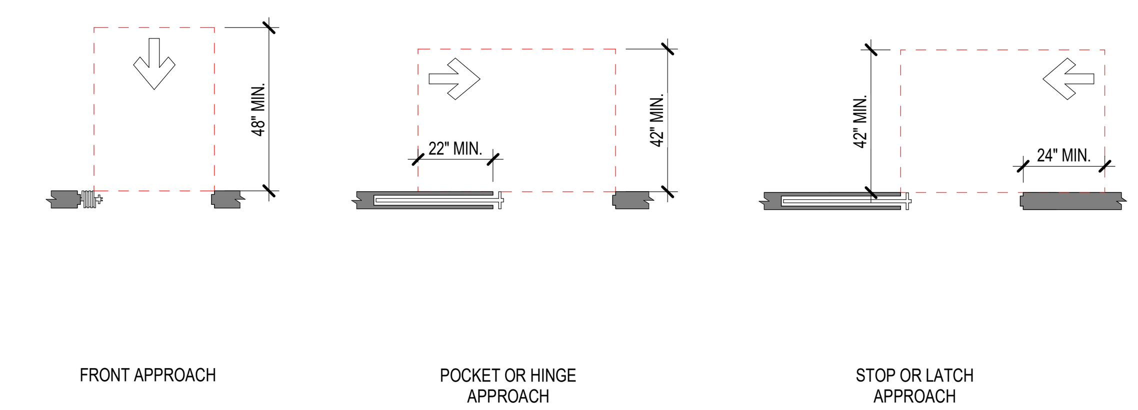
CLEAR WIDTH OF DOORWAYS

(SECT 404.2.2)



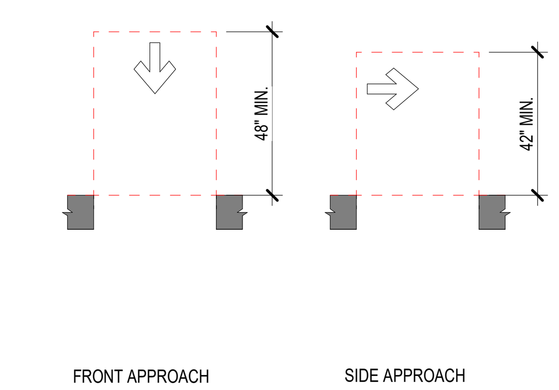
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

(SECT 404.2.3)



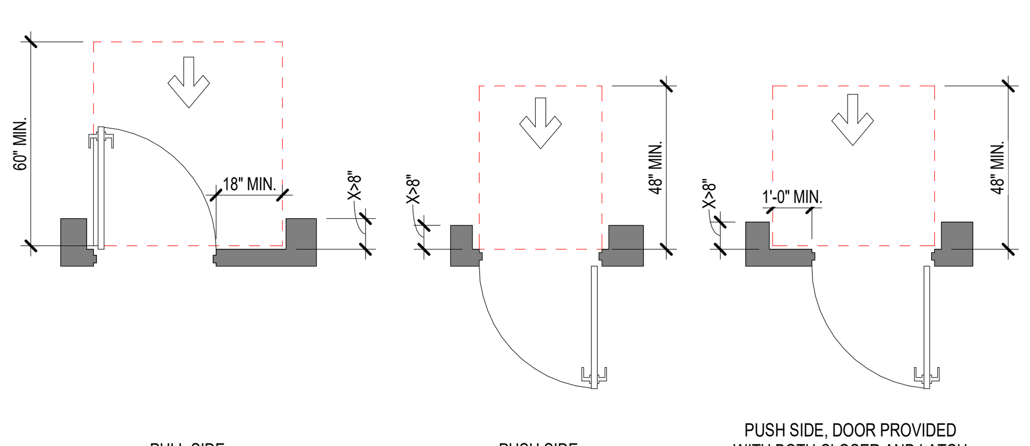
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

(SECT 404.2.3.3)



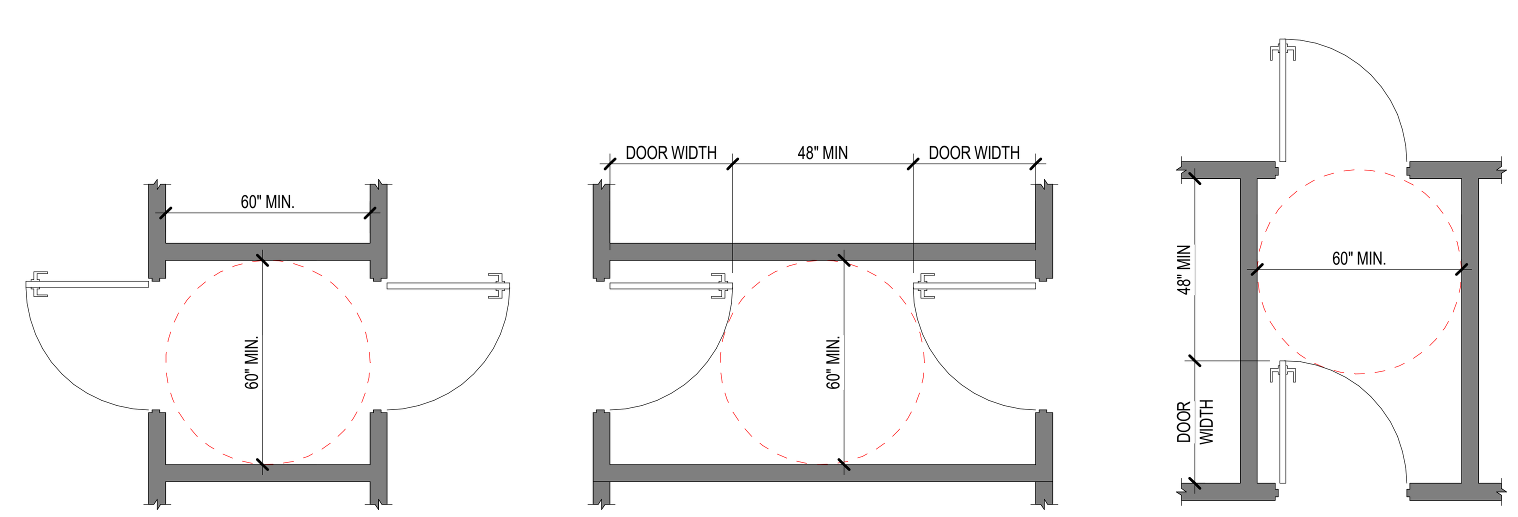
MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS

(SECT 404.2.3.4)



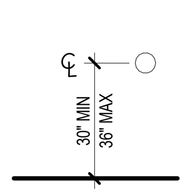
MANEUVERING CLEARANCE AT RECESSED DOORS

(SECT 404.2.3.5)

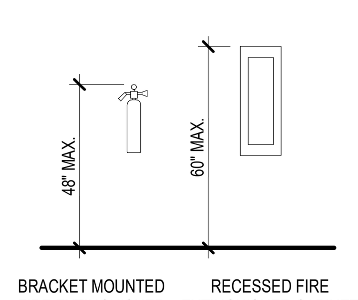


TWO DOORS IN A SERIES

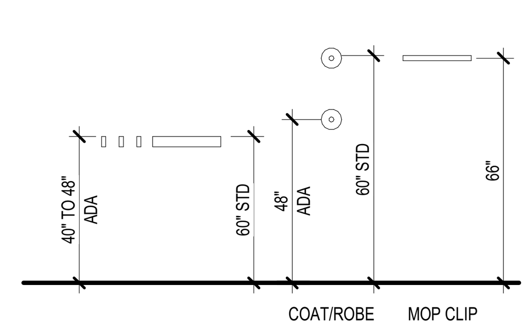
(SECT 404.2.5)



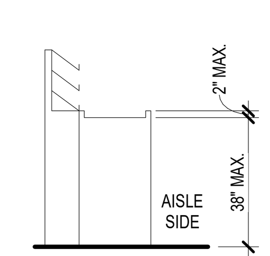
AUTOMATIC DOOR PUSHBUTTONS



FIRE EXTINGUISHERS



HOOKS/SHELF



HEIGHT OF CHECKOUT COUNTERS

(SECT 904.4.2)

WIDSETH
ARCHITECTS • ENGINEERS • SCIENTISTS • SURVEYORS

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

MICHAEL J. ANGLAND | <XX-XX-XX> | LIC# 45375

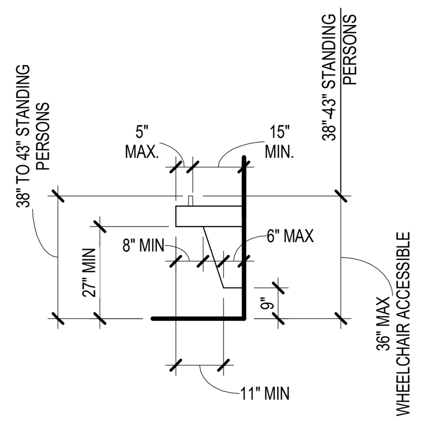
DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: JANUARY 5, 2024
SCALE: AS NOTED
DRAWN BY: T.J.S.
CHECKED BY: M.J.A.
JOB NUMBER: 2023-11990

BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

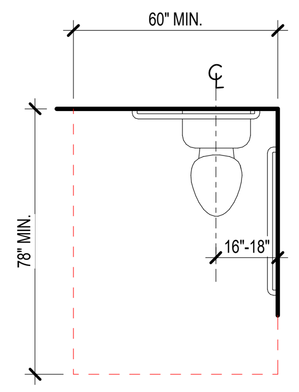
CODE INFO - DOOR CLEARANCE, ACCESS. ROUTES

SHEET NO.
G1.20

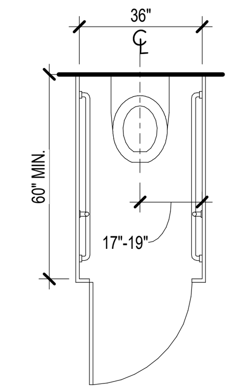


DRINKING FOUNTAIN

(SECT 602)

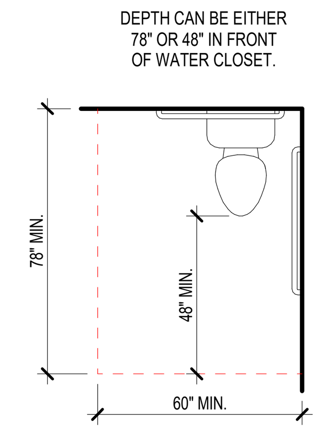


LOCATION AND SIZE OF CLEARANCE FOR WATER CLOSETS



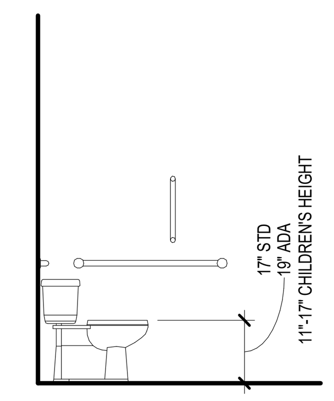
AMBULATORY ACCESSIBLE TOILET COMPARTMENT

(SECT 604.2)



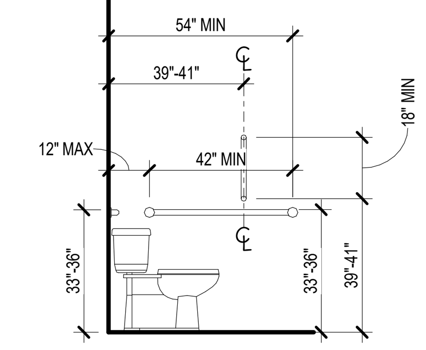
LOCATION AND SIZE OF CLEARANCE FOR WATER CLOSETS (MINNESOTA)

(SECT 604.3)



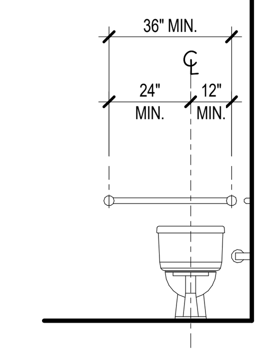
WATER CLOSET SEAT HEIGHT

(SECT 604.4)



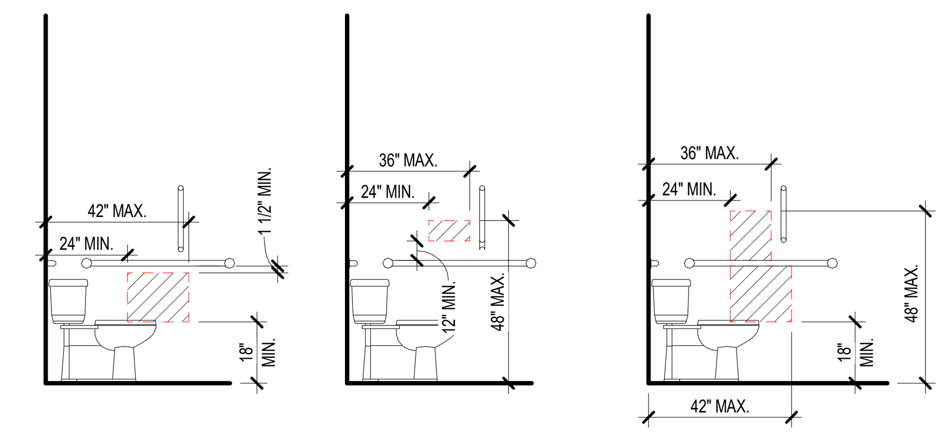
SIDE WALL GRAB BARS FOR WATER CLOSET

(SECT 604.5.1)



REAR WALL GRAB BAR FOR WATER CLOSET

(SECT 604.5.2)



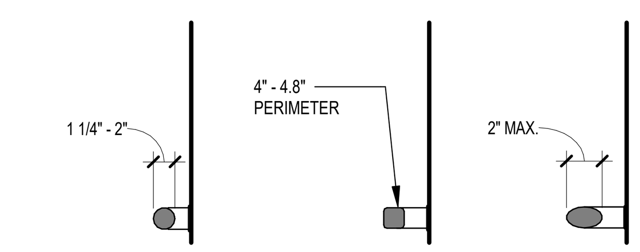
PROTRUDING DISPENSER BELOW GRAB BAR

PROTRUDING DISPENSER ABOVE GRAB BAR

RECESSED DISPENSER

DISPENSER OUTLET LOCATION

(SECT 604.7)

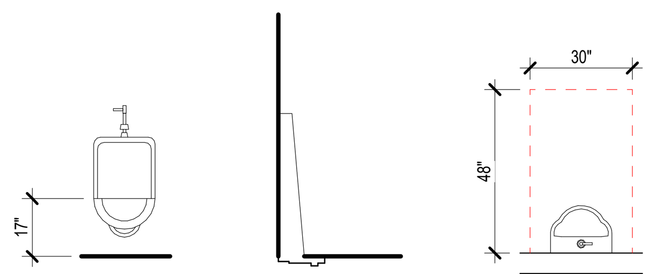


CIRCULAR

NON-CIRCULAR

GRAB BAR CROSS SECTION

(SECT 609.2)



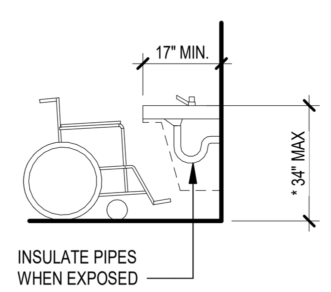
WALL HUNG

STALL TYPE

CLEAR FLOOR SPACE

TYPICAL URINAL REQUIREMENTS

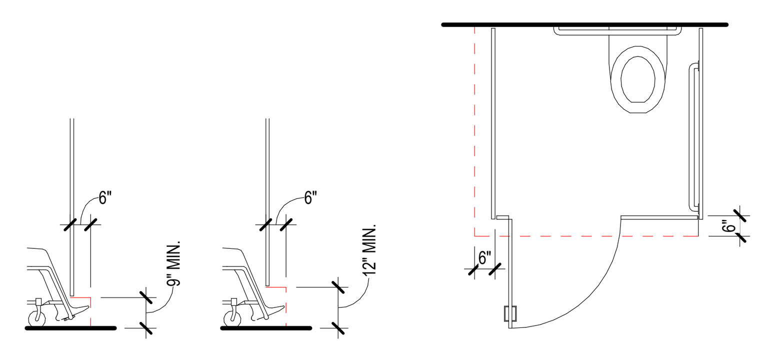
(SECT 605.2 & 605.3)



*MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.

HEIGHT OF LAVATORIES AND SINKS

(SECT 606.3)

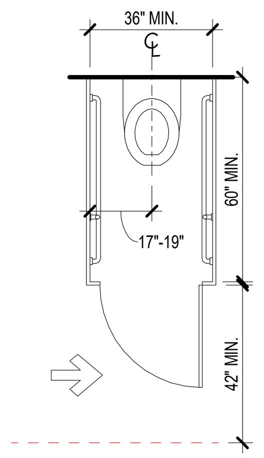


ADULTS

CHILDREN

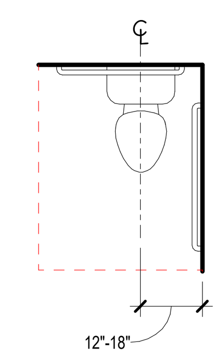
WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE

(SECT 604.9.5)



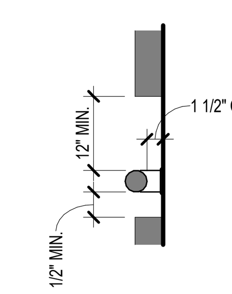
AMBULATORY ACCESSIBLE TOILET COMPARTMENT

(SECT 604.10)



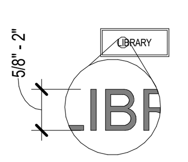
CHILDREN'S WATER CLOSET LOCATION

(SECT 604.11.2)



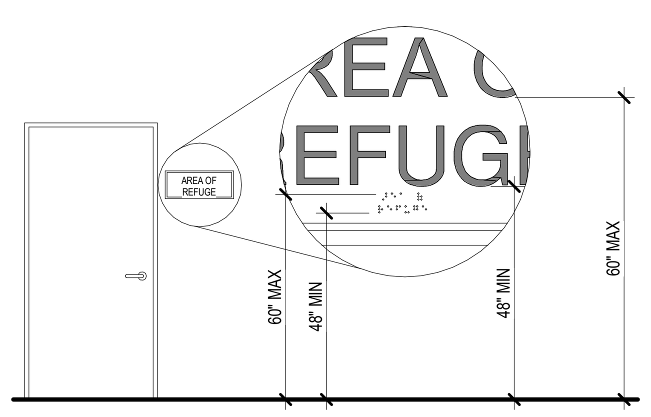
SPACING OF GRAB BARS

(SECT 609.3)



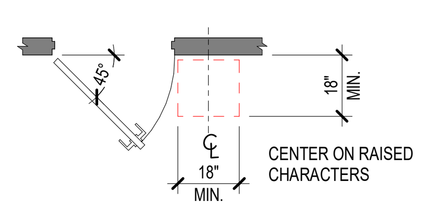
CHARACTER HEIGHT

(SECT 703.3.5)



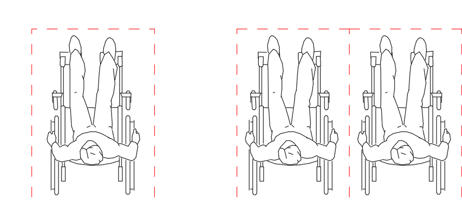
HEIGHT OF BRAILLE AND RAISED CHARACTERS ABOVE FLOOR

(SECT 703.3.10 & 703.4.5)



LOCATION OF SIGNS AT DOORS

(SECT 703.3.11)

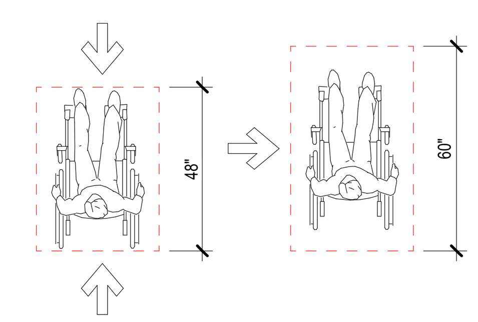


SINGLE SPACE

MULTIPLE ADJACENT SPACES

WIDTH OF A WHEELCHAIR SPACE IN ASSEMBLY AREAS

(SECT 802.3)

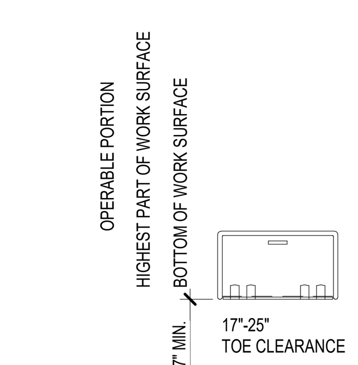


FRONT OR REAR ACCESS

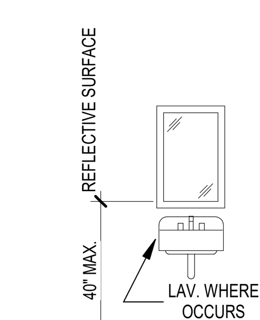
SIDE ACCESS

DEPTH OF A WHEELCHAIR SPACE IN ASSEMBLY AREAS

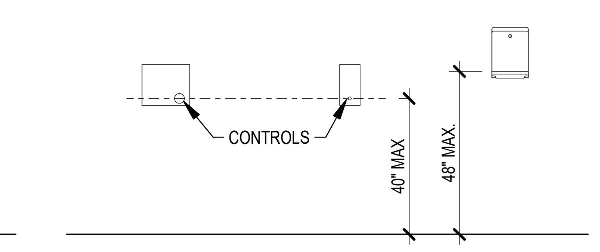
(SECT 802.4)



BABY CHANGING STATION



MIRROR



ELECTRIC HAND DRYER

WALL MOUNTED SOAP DISPENSER

PAPER TOWEL DISPENSER

WIDSETH

ARCHITECTS • ENGINEERS • SCIENTISTS • SURVEYORS

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

MICHAEL J. ANGLAND

<XX-XX-XX>

LIC# 45375

DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: JANUARY 5, 2024

SCALE: AS NOTED

DRAWN BY: T.J.S.

CHECKED BY: M.J.A.

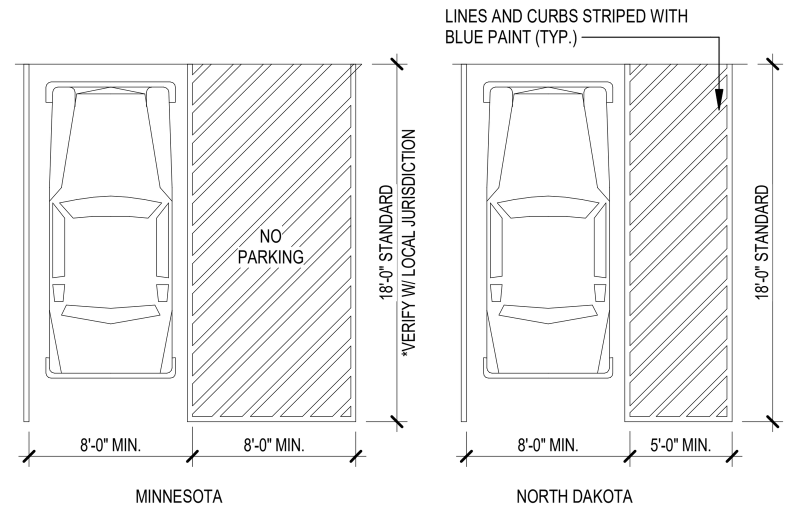
JOB NUMBER: 2023-11990

BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

CODE INFO - TOILET ROOMS, MISC

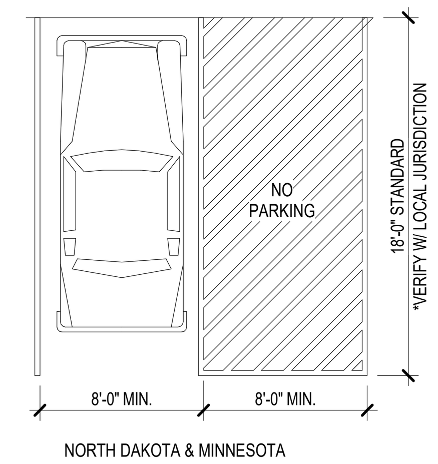
SHEET NO.

G1.30



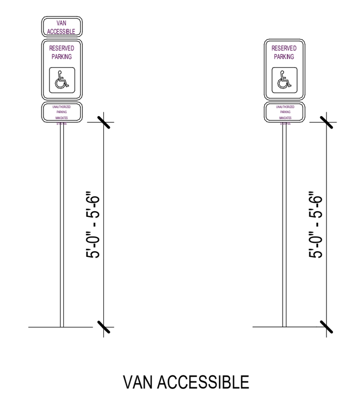
CAR ACCESSIBLE PARKING SPACES

(SECT 502)



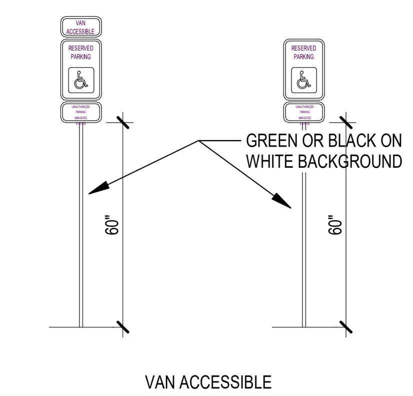
VAN ACCESSIBLE PARKING SPACES

(SECT 502)

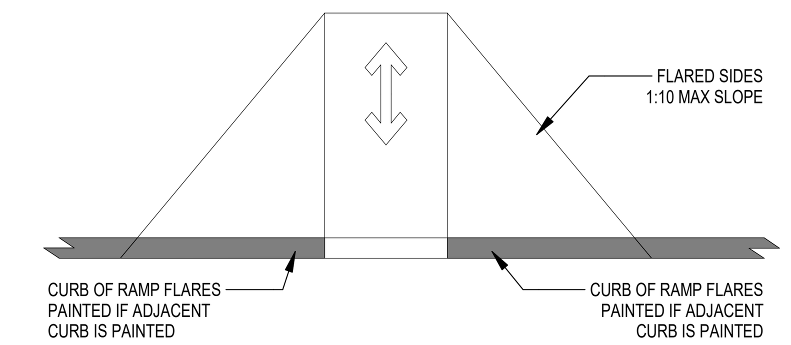


ACCESSIBLE PARKING IDENTIFICATION (MINNESOTA)

(SECT 502.4.4)

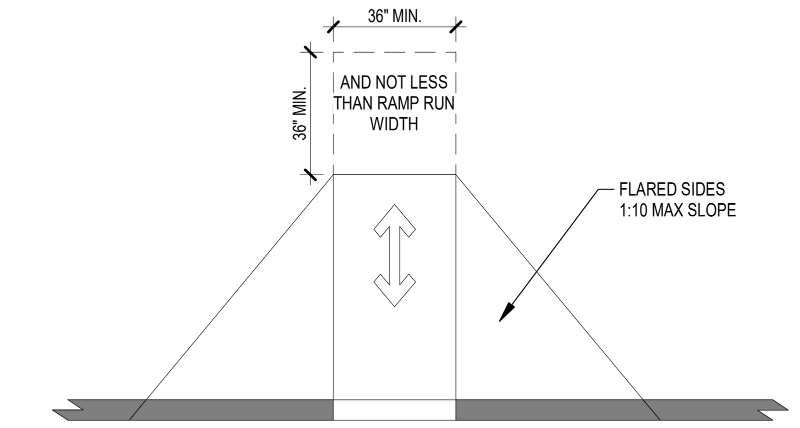


ACCESSIBLE PARKING IDENTIFICATION (NORTH DAKOTA)



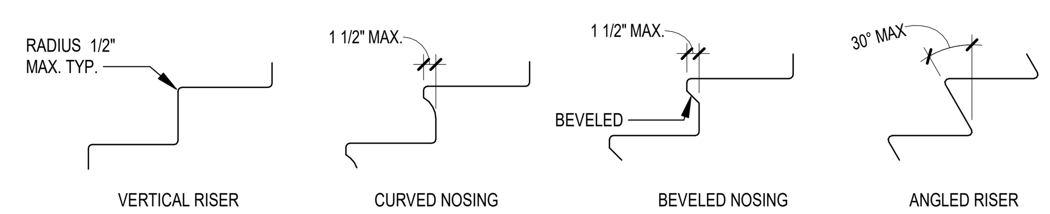
SIDES OF CURB RAMP

(SECT 406.3)



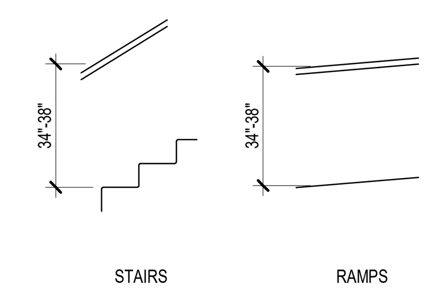
LANDINGS

(SECT 406.7)



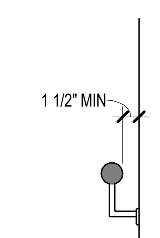
STAIR NOSING

(SECT 504.5)



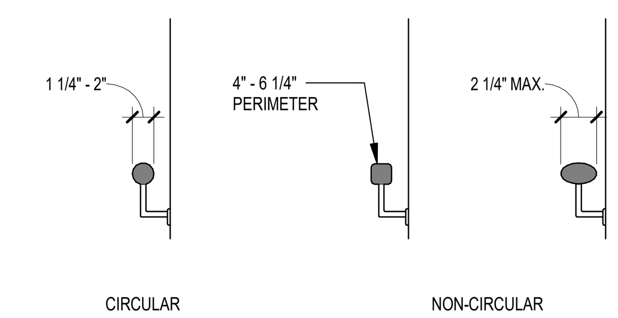
HANDRAIL HEIGHT

(SECT 505.4)



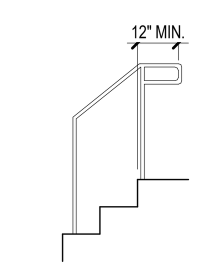
HANDRAIL CLEARANCE

(SECT 505.5)



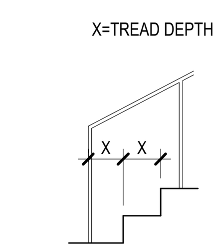
HANDRAIL CROSS SECTION

(SECT 505.7)



TOP HANDRAIL EXTENSIONS AT STAIRS

(SECT 505.10)



BOTTOM HANDRAIL EXTENSIONS AT STAIRS

WIDSETH
ARCHITECTS • ENGINEERS • SCIENTISTS • SURVEYORS

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

MICHAEL J. ANGLAND
<XX-XX-XX>
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DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: JANUARY 5, 2024
SCALE: AS NOTED
DRAWN BY: T.J.S.
CHECKED BY: M.J.A.
JOB NUMBER: 2023-11990

BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

CODE INFO - STAIRS, SITE

SHEET NO.
G1.40

CODE REVIEW DATA

1. **GENERAL INFORMATION**

   A. PROJECT NAME: **<X>**
   B. PROJECT LOCATION: **<X>**
   C. PROJECT DESCRIPTION:
      a. **<X>**
   D. GROSS BUILDING SIZE: ****INSERT GROSS BUILDING AREA SCHEDULE* (LOCATED UNDER SCHEDULES - AREAS)***

GROSS BUILDING AREAS

NAME	Level	AREA
First Level Building Area	FIRST LEVEL	11,920 SF
TOTAL		11,920 SF

2. **APPLICABLE CODES**

   A. MINNESOTA STATE BUILDING CODE — 2020
   B. 2020 MINNESOTA ENERGY CODE W/ ASHRAE 90.1 - — 2020
   C. MINNESOTA ACCESSIBILITY CODE — 2020
   D. MINNESOTA STATE FIRE CODE — 2020
   E. MINNESOTA MECHANICAL AND FUEL GAS CODES — 2020
   F. MINNESOTA STATE PLUMBING CODE — 2020
   G. NATIONAL ELECTRICAL CODE — 2020
   H. NFPA — 72
   I. ZONING ORDINANCE (NO. **<X>**) — **<X>**

3. **USE AND OCCUPANCY CLASSIFICATION** **(MN BC CHAPTER 3)**

   A. OCCUPANCY CLASSIFICATION: (302-312, 508, 509): **<X>**

4. **SPECIAL DETAILED REQUIREMENTS** **(IBC CHAPTER 4)**

   A. STORM SHELTERS (SECTION 423)
   - COMPLY WITH ICC 500 / TABLE 1604.5, RISK CATEGORY IV
   - OCCUPANT LOAD: **<X>**
   - LOCATION: WITHIN BUILDING OR <1000' DOOR-TO-DOOR

5. **GENERAL BUILDING HEIGHTS AND AREAS** **(IBC CHAPTER 5)**

   A. BUILDING HEIGHT (GROUP **<X>**,**<X>**)

	ALLOWABLE	PROPOSED
TABLE 504.3	**<X>**	**<X>**
TABLE 504.4	**<X>**	**<X>**

   B. BUILDING AREAS (GROUP **<X>**, **<X>**)

		ALLOWABLE	PROPOSED
TOTAL AREA (EQUATION 5-2)	Aa = [At +(NS x If)] x Sa		
BUILDING:	[**<X>** +(**<X>** x **<X>**)] x **<X>** =	**<X>**	**<X>**
AREA PER FLOOR (EQ. 5-2)	Aa = [At +(NS x If)] x 1		
BUILDING:	[**<X>** +(**<X>** x **<X>**)] x **<X>** =	**<X>**	**<X>**
FRONTAGE INCREASE (EQ. 5-4) If =	[F / P - 0.25]* W/30		
BUILDING:	[(**<X>** / **<X>**) - 0.25]*<X>/30 =	**<X>**	

   C. INCIDENTAL ACCESSORY OCCUPANCIES (TABLE 509)
   - FURNACE ROOM (>400,000 BTU) — 1-HR or SPRINKLER
   - BOILER ROOMS (>15 PSI and 10 HP) — 1-HR or SPRINKLER
   - REFRIGERANT MACHINERY ROOMS — 1-HR or SPRINKLER
   - GROUP 3 LABS AND VOCATIONAL SHOPS — 1-HR or SPRINKLER
   - WASTE COLLECTION ROOMS (>100 S.F.) — 1-HR or SPRINKLER
   - STATIONARY BATTERY SYSTEMS — 2-HR
   - ELEC. INSTALLATION / TRANSFORMERS — 2-HR

   NOTE:
   - INCIDENTAL USES SHALL NOT OCCUPY MORE THAN 10% OF THE BUILDING AREA OF THE STORY IN WHICH THEY ARE LOCATED.

6. **TYPE OF CONSTRUCTION** **(IBC CHAPTER 6)**

   A. TYPE **<X>**

BUILDING ELEMENT (601)	FIRE RESISTANCE
• PRIMARY STRUCTURAL FRAME	**<X>** HR
• EXTERIOR BEARING WALLS	
<10 FEET SEPARATION DISTANCE	**<X>** HR
≥10 FEET SEPARATION DISTANCE	**<X>** HR
• INTERIOR BEARING WALLS	**<X>** HR
• EXT. NON-BEARING WALLS/PARTITIONS	
<10 FEET SEPARATION DISTANCE	**<X>** HR
≥10 FEET SEPARATION DISTANCE	**<X>** HR
• INT. NON-BEARING WALLS/PARTITIONS	**<X>** HR
• FLOOR CONSTR. & SECONDARY MEMBERS	**<X>** HR
• ROOF CONSTR. & SECONDARY MEMBERS	**<X>** HR

7. **FIRE AND SMOKE PROTECTION FEATURES** **(IBC CHAPTER 7)**

   A.

BUILDING ELEMENT	FIRE RESISTANCE
• FIRE WALLS (TABLE 706.4, NOTE a)	**<X>** HR
• FIRE BARRIERS (707)	
EXIT STAIR / RAMP (1023.1)	**<X>** HR
EXIT ACCESS STAIR / RAMP (713.4)	SEE SECTION 10
HORIZONTAL EXIT (1026.1)	**<X>** HR
INCIDENTAL USES (509)	SEE SECTION 5
FIRE AREAS (707.3.10)	**<X>** HR
SHAFT ENCLOSURES, <4 STORES (713.4)	**<X>** HR
• FIRE PARTITIONS (708)	
CORRIDOR WALLS (1020.1)	**<X>** HR
ELEVATOR LOBBY (3006.2)	**<X>** HR
• SMOKE BARRIERS (709)	**<X>** HR
• SMOKE PARTITIONS (710)	**<X>** HR

   B. VERTICAL OPENINGS (712)
   - TWO-STORY OPENINGS (712.1.9) — ALLOWED IF SEPARATED FROM OTHER OPENINGS ON THE FLOOR BY SHAFT CONSTRUCTION
   - EXIT ACCESS STAIRWAYS (712.1.12) — IN ACCORDANCE WITH 1019

8. **INTERIOR FINISHES** **(IBC CHAPTER 8)**

   A. GROUP **<X>**, **<X>**

BUILDING ELEMENT	FINISH CLASSIFICATION
• EXIT ENCLOSURE / EXIT PASSAGEWAYS (803.13)	**<X>**
• CORRIDORS: GROUP **<X>** (803.13)	**<X>**
• ROOMS AND ENCLOSED SPACES (803.13)	**<X>**
• FLOOR FINISHES (804.4)	**<X>**

   B. INTERIOR WALL AND CEILING FINISH MATERIALS
      CLASS A = 0-25 FLAME SPREAD INDEX; 0-450 SMOKE-DEVELOPED INDEX
      CLASS B = 26-75 FLAME SPREAD INDEX; 0-450 SMOKE-DEVELOPED INDEX
      CLASS C = 76-200 FLAME SPREAD INDEX; 0-450 SMOKE-DEVELOPED INDEX

9. **FIRE PROTECTION SYSTEMS** **(IBC CHAPTER 9)**

   A. SPRINKLER SYSTEM (903) — **<X>**

   B. PORTABLE FIRE EXTINGUISHERS (906)
   - REQUIRED LOCATIONS (IFC 906.1, EXC.) — **<X>**
   - CLASS A FIRE HAZARDS (906.3.1)
     MINIMUM SIZE: **<X>**
     MAX AREA PER EXTINGUISHER: **<X>**
     MAX FLOOR AREA FOR EXTINGUISHER: **<X>**
     MAX TRAVEL DISTANCE TO EXTINGUISHER **<X>**

   C. FIRE ALARM AND DETECTION (907)
   - REQUIRED LOCATIONS (907.2): **<X>**

   D. FIRE DEPARTMENT CONNECTIONS (912)
   - REQUIREMENTS: BETWEEN 18" AND 48" ABOVE GRADE

10. **MEANS OF EGRESS** **(IBC CHAPTER 10)**

   A. CALCULATED OCCUPANT LOAD (1004)
      ****INSERT OCCUPANT LOAD SCHEDULE* (LOCATED UNDER SCHEDULES - ROOMS)***

OCCUPANT LOADS

ROOM NAME	ROOM #	LEVEL	AREA	OCC. DIVISOR	# OF OCC.
VESTIBULE	100	FIRST LEVEL	122.38 SF		
MECH. / STOR.	101	FIRST LEVEL	57.29 SF		
LOBBY	102	FIRST LEVEL	1,010.36 SF		
LIBRARY	103	FIRST LEVEL	635.81 SF		
COMMUNITY ROOM	104	FIRST LEVEL	2,245.43 SF		
KITCHEN	105	FIRST LEVEL	189.33 SF		
MECH / STORAGE	106	FIRST LEVEL	222.66 SF		
ELECTRICAL	107	FIRST LEVEL	100.88 SF		
CORRIDOR	108	FIRST LEVEL	292.92 SF		
UNISEX	109	FIRST LEVEL	97.15 SF		
MECH.	110	FIRST LEVEL	92.05 SF		
JAN.	111	FIRST LEVEL	70.49 SF		
MEN'S	112	FIRST LEVEL	147.52 SF		
WOMEN'S	113	FIRST LEVEL	151.88 SF		
COUNCIL CHAMBERS	115	FIRST LEVEL	2,251.54 SF		
MECH / STORAGE	116	FIRST LEVEL	174.54 SF		
AV CLOSET	117	FIRST LEVEL	56.63 SF		
MEETING ROOM	118	FIRST LEVEL	479.56 SF		
CITY ADMINISTRATION	120	FIRST LEVEL	1,555.97 SF		
SMALL MEETING ROOM	121	FIRST LEVEL	146.14 SF		
FLEX OFFICE	122	FIRST LEVEL	141.75 SF		
OFFICE	123	FIRST LEVEL	141.75 SF		
EMPLOYEE ENTRANCE	124	FIRST LEVEL	143.6 SF		
OFFICE	126	FIRST LEVEL	255.39 SF		
OFFICE	127	FIRST LEVEL	158.87 SF		
OFFICE	128	FIRST LEVEL	145.74 SF		
OFFICE	129	FIRST LEVEL	146.02 SF		
TOTAL OCCUPANTS					0

   B. MEANS OF EGRESS SIZING (1005)

COMPONENT		REQUIRED	PROVIDED
• STAIRWAYS	(**<X>** / OCC)	**<X>**	**<X>**
• DOORS - SEE LIFE SAFETY PLAN FOR REQUIRED/PROVIDED.			

   C. NUMBER OF EXITS / EXIT ACCESS (1006)

COMPONENT	REQUIRED	PROVIDED
• FIRST FLOOR	**<X>**	**<X>**
• SECOND FLOOR	**<X>**	**<X>**

   D. EXIT / EXIT ACCESS CONFIGURATION (1007)
   - SEPARATION: **<X>**

   E. ACCESSIBLE MEANS OF EGRESS (1009)
   - NUMBER OF ACCESSIBLE MEANS: AT LEAST TWO FROM EACH STORY
   - STAIRWAY WIDTH: **<X>**
   - AREA OF REFUGE: **<X>**

   F. DOORS (1010)
   - SIZE (1010.1.1): 32" MIN. CLEAR WIDTH / 48" MAX. DOOR LEAF
   - SWING (1010.1.2): DIRECTION OF TRAVEL WHERE ≥ 50 OCCUPANTS
   - EDUCATION LOCKING (1010.1.4.4): CLASSROOMS, OFFICES, AND OCCUPIED ROOMS PERMITTED TO LOCK TO KEEP INTRUDERS FROM ENTERING.
   - LANDINGS (1010.1.6): 50 OCC OR MORE = DOOR SHALL NOT REDUCE TO 1/2" REQ'D WIDTH
     44" MIN. LENGTH IN DIRECTION OF TRAVEL
   - ARRANGEMENT (1010.1.8): 48" MIN. BETWEEN DOORS / DOOR SWING IN SERIES
   - PANIC / FIRE EXIT HARDWARE (1010.1.10): ROOMS / SPACES WITH ≥ 50 OCCUPANTS; ELECTRICAL ROOMS W/ EQUIP. ≥ 1,200A

   G. STAIRWAYS (1011)
   - WIDTH (1011.2): BASED ON CAPACITY, BUT ≥ 44"
   - LANDINGS (1011.6): LENGTH = LESSER OF WIDTH OF STAIRWAY OR 48"
   - HANDRAILS (1011.11): REQUIRED ON BOTH SIDES OF STAIRWAY
   - GUARDS (1011.13 / 1015): WHERE OPEN SIDE > 30" ABOVE SURFACE BELOW

   H. RAMPS (1012)
   - SLOPE (1012.2): 1/12 MAX.
   - VERTICAL RISE (1012.4): 30" MAX.
   - WIDTH (1012.5.1): BASED ON CAPACITY, BUT ≥ CORRIDOR WIDTH AND 36"
   - LANDINGS (1012.6): WIDTH ≥ WIDTH OF RAMP; LENGTH ≥ 60"
   - HANDRAILS (1012.8): REQUIRED ON BOTH SIDES WHERE RISE > 6"
   - GUARDS (1012.9 / 1015): WHERE OPEN SIDE > 30" ABOVE SURFACE BELOW

   I. EXIT SIGNS (1013) — REQUIRED

   J. EXIT ACCESS (1016) — ALLOWED WHERE ACCESSORY TO ONE ANOTHER, EXCEPT THROUGH KITCHENS, STORAGE ROOMS, ETC.

   K. EXIT ACCESS TRAVEL DISTANCE (1017)
   - DISTANCE (1017.2): **<X>**
   - EXIT ACCESS STAIRWAYS (1017.3.1): DISTANCE ON STAIRWAYS OR RAMPS SHALL BE INCLUDED

   L. AISLES (1018)
   - WIDTH (1018.2.2): 36" MIN.

   M. EXIT ACCESS STAIRWAYS AND RAMPS (1019)
   - **<X>**

   N. CORRIDORS (1020)
   - FIRE RESISTANCE (1020.1): SEE SECTION 7
   - WIDTH (1020.2): BASED ON CAPACITY, **<X>**
     24" AT MECH/ELEC EQUIPMENT
     36" AT OCCUPANT LOADS < 50
     44" WHERE NOT LISTED ABOVE
   - DEAD ENDS (1020.4) NON-SPRINKLERED = 20 FEET
     SPRINKLERED = 50 FEET

   O. EXIT STAIRWAYS (1023)
   - TERMINATION (1023.3): EXIT DISCHARGE OR PUBLIC WAY

   P. HORIZONTAL EXITS (1026)
   - NUMBER (1026.1): < 1/2 OF EXITS
   - SEPARATION (1026.2): **<X>**
   - AREA OF REFUGE (1026.4): **<X>**

   Q. EXIT DISCHARGE (1028)
   - GENERAL (1028.1) **<X>**

   R. ASSEMBLY (1029)
   - MAIN EXIT (1029.2): ACCOMMODATE > 50% OF OCC. LOAD
   - OTHER EXITS (1029.3): COMBINATION ACCOMMODATES > 50% OF OCC. LOAD
     IF NO MAIN EXIT: COMBINATION ACCOMMODATES > 100% OF OCC. LOAD

11. **ACCESSIBILITY** **(IBC CHAPTER 11 / ANSI A117.1-2009)**

   A. EXEMPT SPACES (1103.2): EQUIPMENT SPACES, WALK-IN COOLERS / FREEZERS

   B. CONNECTED SPACES (1104.3): ACCESSIBLE SPACES SHALL BE CONNECTED BY AN ACCESSIBLE ROUTE

   C. MULTI-LEVEL BUILDINGS (1104.4): AN ACCESSIBLE ROUTE SHALL CONNECT EACH LEVEL

   D. LOCATION (1104.5): SHALL BE SHORTEST ROUTE AND COINCIDE WITH PRIMARY USE GENERAL CIRCULATION

   E. PUBLIC ENTRANCES (1105.1): ≥ 60% OF PUBLIC ENTRANCES SHALL BE ACCESSIBLE

   F. ACCESSIBLE PARKING SPACES (1106): **<X>** TOTAL SPACES: **<X>** MIN. ACCESSIBLE REQ'D
      <X> PROVIDED
      FOR EVERY 6 PROVIDED: 1 SHALL BE VAN-ACCESSIBLE

   G. PASSENGER LOADING ZONES (1106.7): ≥ 1 ACCESSIBLE ZONE PER 100 LINEAR FEET
      ≥ 1 ACCESSIBLE BUS BOARDING SPACE

   H. ASSEMBLY AREA SEATING (1108.2.6): SHALL CONNECT TO AN ACCESSIBLE ROUTE;
      <X>

   I. TOILET AND BATHING FACILITIES (1109.2): EACH TOILET ROOM SHALL BE ACCESSIBLE;
   - ACCESSIBLE FIXTURES: ≥ 1 OF EACH FIXTURE IN EACH TOILET ROOM, EXCEPT URINALS
   - ≥ 2 TOILET COMPARTMENTS IN A ROOM: ≥ 1 SHALL BE AMBULATORY-ACCESSIBLE
   - ACCESSIBLE LAVATORIES: ≥ 5% OF LAVATORIES IN A TOILET ROOM
   - ≥ 6 LAVATORIES IN A TOILET ROOM: ≥ 1 SHALL HAVE EXTENDED REACH RANGES

   J. DRINKING FOUNTAINS (1109.5): ≥ 50% FOR WHEELCHAIR ACCESS;
      ≥ 50% FOR STANDING PERSONS

   K. ELEVATORS (1109.7): ELEVATORS SHALL BE ACCESSIBLE

   L. STORAGE (1109.9): ≥ 5% OF STORAGE ELEMENTS (CABINETS, COAT HOOKS, ETC.) IN EACH AREA SHALL BE ACCESSIBLE

   M. SIGNAGE (1110): REQUIRED; SHALL COMPLY WITH ICC A117.1

12. **PLUMBING FIXTURES COUNT*** **(IBC CHAPTER 29)**
    *BASED ON DESIGNED / PROGRAMMED OCCUPANT LOAD
    (CALCULATE EACH PLUMBING FIXTURE BY CLASSIFICATION OF BUILDING AND BY FLOOR)

   A. MINIMUM NUMBER WATER CLOSETS (2902.1)

BUILDING	RATIO	OCC LOAD	REQUIRED	PROVIDED
• FIRST FLOOR	(W: 1 per **<X>**)	**<X>**	**<X>**	**<X>**
	(M: 1 per **<X>**)	**<X>**	**<X>**	**<X>**
• SECOND FLOOR	(W: 1 per **<X>**)	**<X>**	**<X>**	**<X>**
	(M: 1 per **<X>**)	**<X>**	**<X>**	**<X>**
• **TOTAL**			**<X>**	**<X>**

   B. MINIMUM NUMBER LAVATORIES (2902.1)

BUILDING	RATIO	OCC LOAD	REQUIRED	PROVIDED
• FIRST FLOOR	(1 per **<X>**)	**<X>**	**<X>**	**<X>**
• SECOND FLOOR	(1 per **<X>**)	**<X>**	**<X>**	**<X>**
• **TOTAL**			**<X>**	**<X>**

   C. MINIMUM NUMBER DRINKING FOUNTAINS (2902.1)

BUILDING	RATIO	OCC LOAD	REQUIRED	PROVIDED
• FIRST FLOOR	(1 per **<X>**)	**<X>**	**<X>**	**<X>**
• SECOND FLOOR	(1 per **<X>**)	**<X>**	**<X>**	**<X>**
• **TOTAL**			**<X>**	**<X>**

   D. SERVICE SINKS (2902.1):

REQUIRED	PROVIDED
<X>	**<X>**

13. **STORM SHELTERS** **(2014 ICC 500)**

   A. DESIGN INFORMATION (107.2.1)
   - TYPE OF SHELTER: COMMUNITY TORNADO
   - WIND SPEED / EXPOSURE CATEGORY: REFER TO STRUCTURAL DRAWINGS
   - GCpi / Kzt / Kd: REFER TO STRUCTURAL DRAWINGS
   - DESIGN AND BASE FLOOR ELEVATIONS: REFER TO CIVIL DRAWINGS
     THIS SHELTER HAS NOT BEEN CONSTRUCTED WITHIN AN AREA SUSCEPTIBLE TO FLOODING.
   - OCCUPANT LOAD: REFER TO SECTION 4

   B. OCCUPANT, MEANS OF EGRESS, ACCESS AND ACCESSIBILITY (CHAPTER 5)
   - REQUIRED AREA (501.1.1): WHEELCHAIR OCC. = ***<TOTAL OCC>*** / 200 = ***<X>*** OCC.
     STANDING / SEATED = ***<TOTAL OCC>*** - ***<WHEELCHAIR OCC>*** = ***<X>***
     (***<WHEELCHAIR OCC>*** * 10 SF/OCC) + (***<STANDING/SEATED OCC>*** * 5 SF/OCC) = ***<X>*** SF
   - USABLE AREA (501.1.2): PROVIDED: ***<X>*** SF
   - # OF DOORS / DOOR SWING (501.2/3): AS REQUIRED BY NORMAL USE OF SPACE
   - EMERGENCY ESCAPE OPENING (501.4): 5.7 MIN. SF; 24" MIN. WIDTH X 20" MIN. HEIGHT; <44" AFF;
     1/3 DIAGONAL AWAY FROM MAIN EGRESS
   - SIGNAGE (504):
     "TORNADO SHELTER" AT: EACH ENTRY DOOR TO A STORM SHELTER
     SHELTER IDENTIFICATION SIGN AT:
     1. ADJACENT TO ACCESS DOORS ON THE INSIDE OF THE STORM SHELTER;
     2. IN THE OFFICE OF THE FACILITY MANAGER, WHERE PROVIDED; AND
     3. IN THE DESIGNATED SHELTER MANAGER'S AREA WITHIN THE STORM SHELTER, WHERE PROVIDED

   C. FIRE SEPARATION (601.1): 2-HR FIRE BARRIER

   D. FIRE EXTINGUISHERS (602.1): WITHIN SHELTER, MEETING NFPA 10 REQUIREMENTS

   E. PROTECTION OF CRITICAL SUPPORT (701.1): FUNCTIONAL FOR 2 HOURS
      PROTECTED BY SAME MEANS AS SHELTER

   F. NATURAL VENTILATION (702.1.1): ≤ 50 OCCUPANTS = 5 SQUARE INCHES PER OCC.
      > 50 OCCUPANTS = 6 SQUARE INCHES PER OCC.
      >25% LOCATED WITHIN 46" OF FLOOR
      >50% LOCATED IN TOP 1/4 OF STRUCTURE
      LOWER AND UPPER ON OPPOSITE WALLS / ROOF

   G. MECHANICAL VENTILATION (702.1.2): ACCORDING TO BUILDING CODE REQUIREMENTS

   H. SANITATION FACILITIES (702.2): ≤ 50 OCCUPANTS = 1 WC / 1 LAV
      > 50 OCCUPANTS = 2 WC / 2 LAV FOR FIRST 500 OCC.
      1 WC / 1 LAV FOR EACH ADD. PORTION OF 500 OCC.

   I. EMERGENCY LIGHTING (702.3): 1 FC FOR 2 HOURS, MIN.

   J. FIRST AID KIT (702.4): REQUIRED

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MICHAEL J. ANGLAND <XX-XX-XX> LIC#: 45375

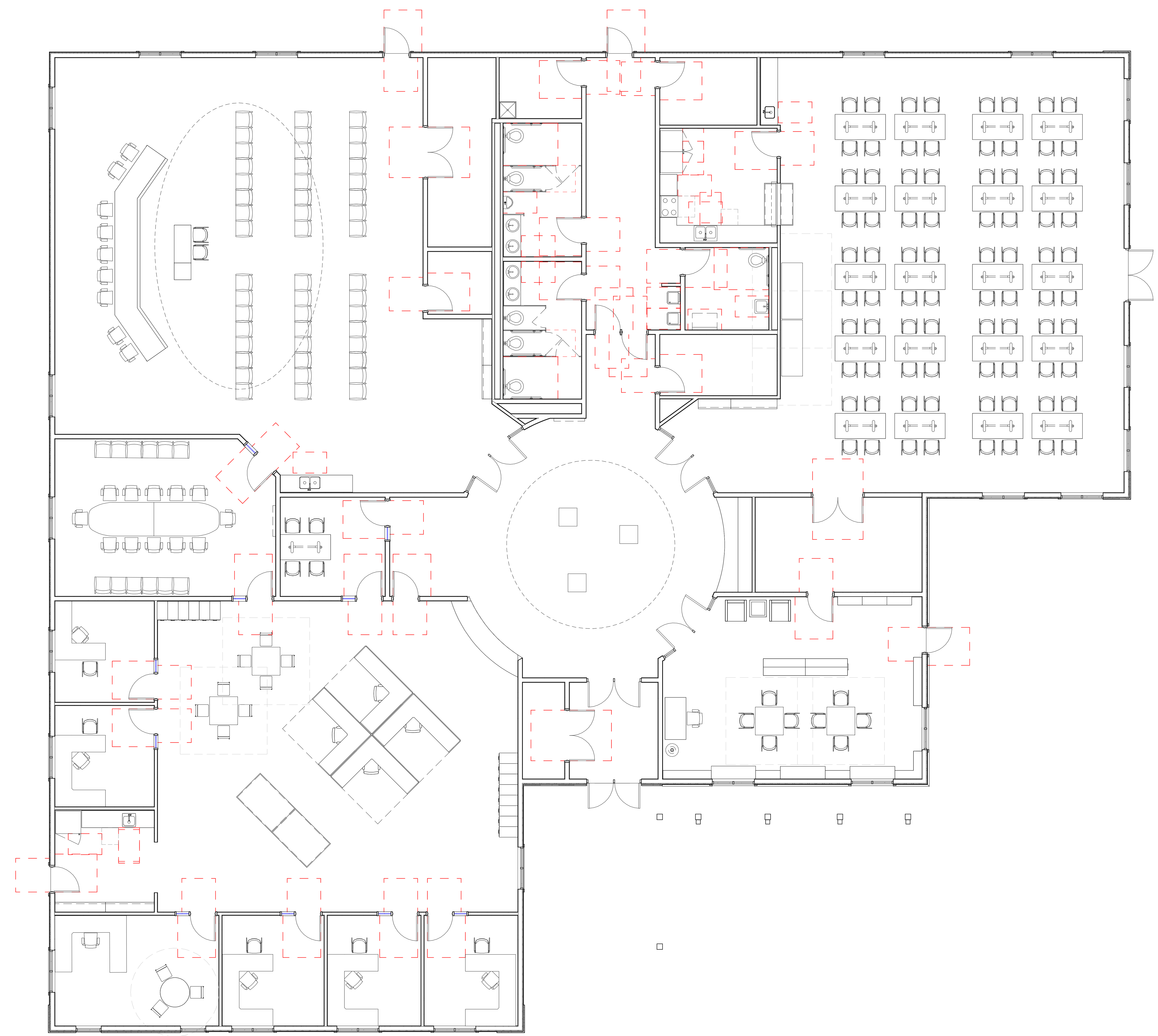
DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: JANUARY 5, 2024
SCALE: AS NOTED
DRAWN BY: T.J.S.
CHECKED BY: M.J.A.
JOB NUMBER: 2023-11990

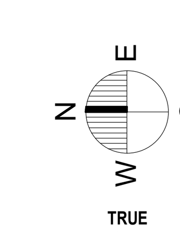
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

CODE REVIEW DATA

SHEET NO.
LS1.00



1 FIRST LEVEL LIFE SAFETY PLAN
1/8" = 1'-0"



CODE REVIEW KEY

B / IIB	BUILDING CODE OCCUPANCY TYPE / BUILDING CODE CONSTRUCTION TYPE
17.9" / 44" — 48 OCCUPANTS	ACTUAL EXIT OR STAIR WIDTH / REQUIRED WIDTH FOR # OF OCCUPANTS — NUMBER OF OCCUPANTS
- - - - - - - -	FIRE/SMOKE RESISTIVE PARTITION

REQUIRED ASSEMBLY RATING		MINIMUM OPENING PROTECTION ASSEMBLY
1	ONE HOUR RATED	20 Minute
2	TWO HOUR RATED	90 Minute
3	THREE HOUR RATED	3 Hour
4	FOUR HOUR RATED	3 Hour

TYPE OF ASSEMBLY

B	FIRE BARRIER	P	FIRE PARTITION
E	EXISTING AND RATED	S	SMOKE BARRIER/ COMPARTMENT
W	FIRE WALL	X	SMOKE TIGHT
FE	FIRE EXTINGUISHER (MAX. TRAVEL 75')	FEC	FIRE EXTINGUISHER CABINET (MAX. TRAVEL 75')
DF	DRINKING FOUNTAIN		ADA ACCESSIBLE HIGH/LOW

NEW/EXISTING VERTICAL OR HORIZONTAL EXIT ENCLOSURE

NEW/EXISTING PATH/EGRESS CORRIDOR

REQUIRED DAMPERS

FIRE	SMOKE	COMBINATION
FIREWALL	SMOKE BARRIER	SHAFT
FIRE BARRIER	CORRIDOR	EXIT ENCLOSURES
FIRE PARTITION		STAIRS

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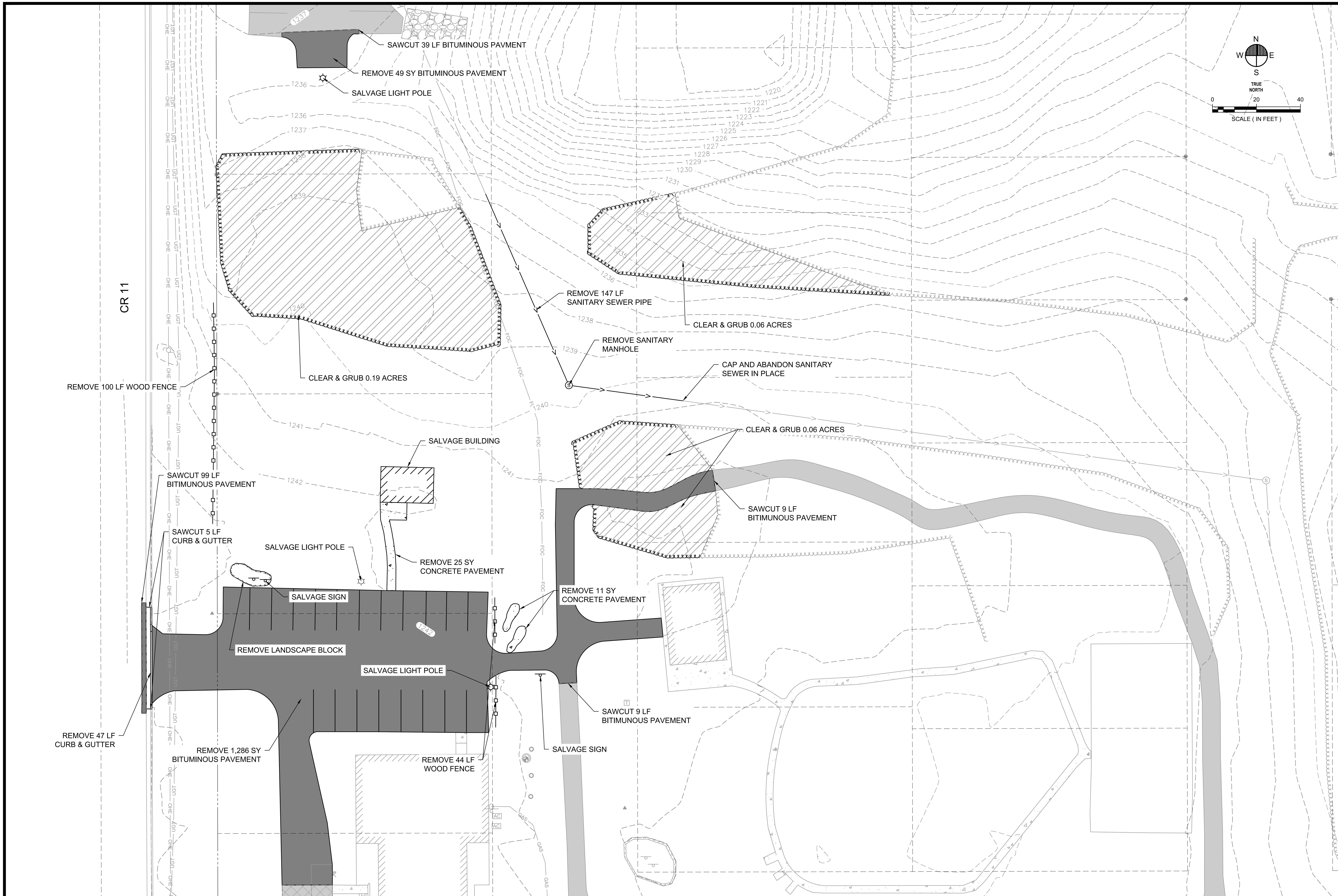
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

FIRST LEVEL LIFE SAFETY PLAN

SHEET NO.
LS1.10



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JOSEPH DUBEL DATE: 12/15/2023 LIC. NO. 45500

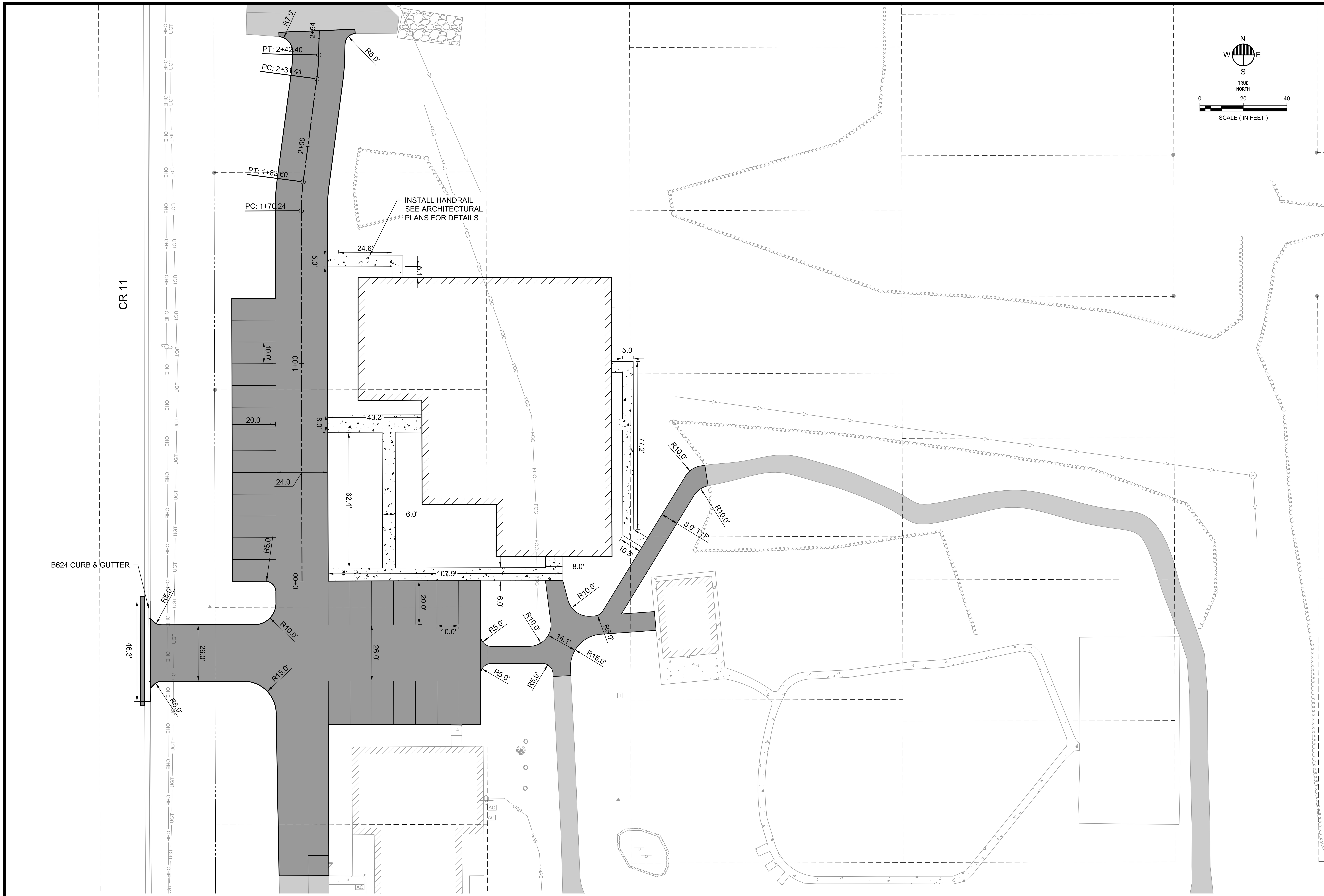
DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: DECEMBER, 2023
SCALE: AS SHOWN
DRAWN BY: NCP
CHECKED BY: JED
JOB NUMBER: 2023-11990

BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11 BREEZY POINT, MN 56472

EXISTING CONDITIONS & REMOVALS PLAN

SHEET NO.
C4.01



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JOB NUMBER: 2023-11990

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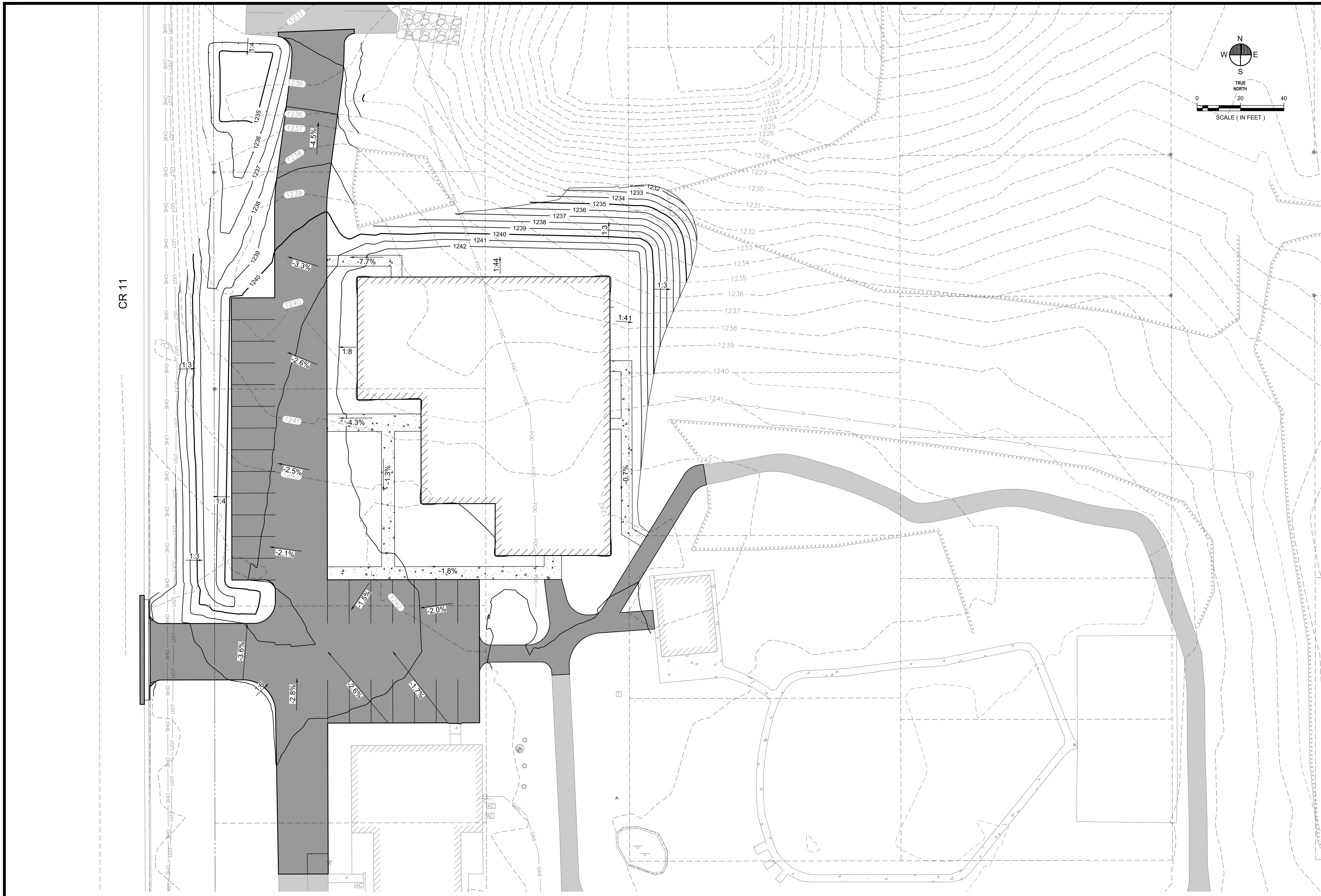
SITE PLAN

SHEET NO.
C5.01



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JOB NUMBER: 2023-11990

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GRADING PLAN

SHEET NO.
C6.01

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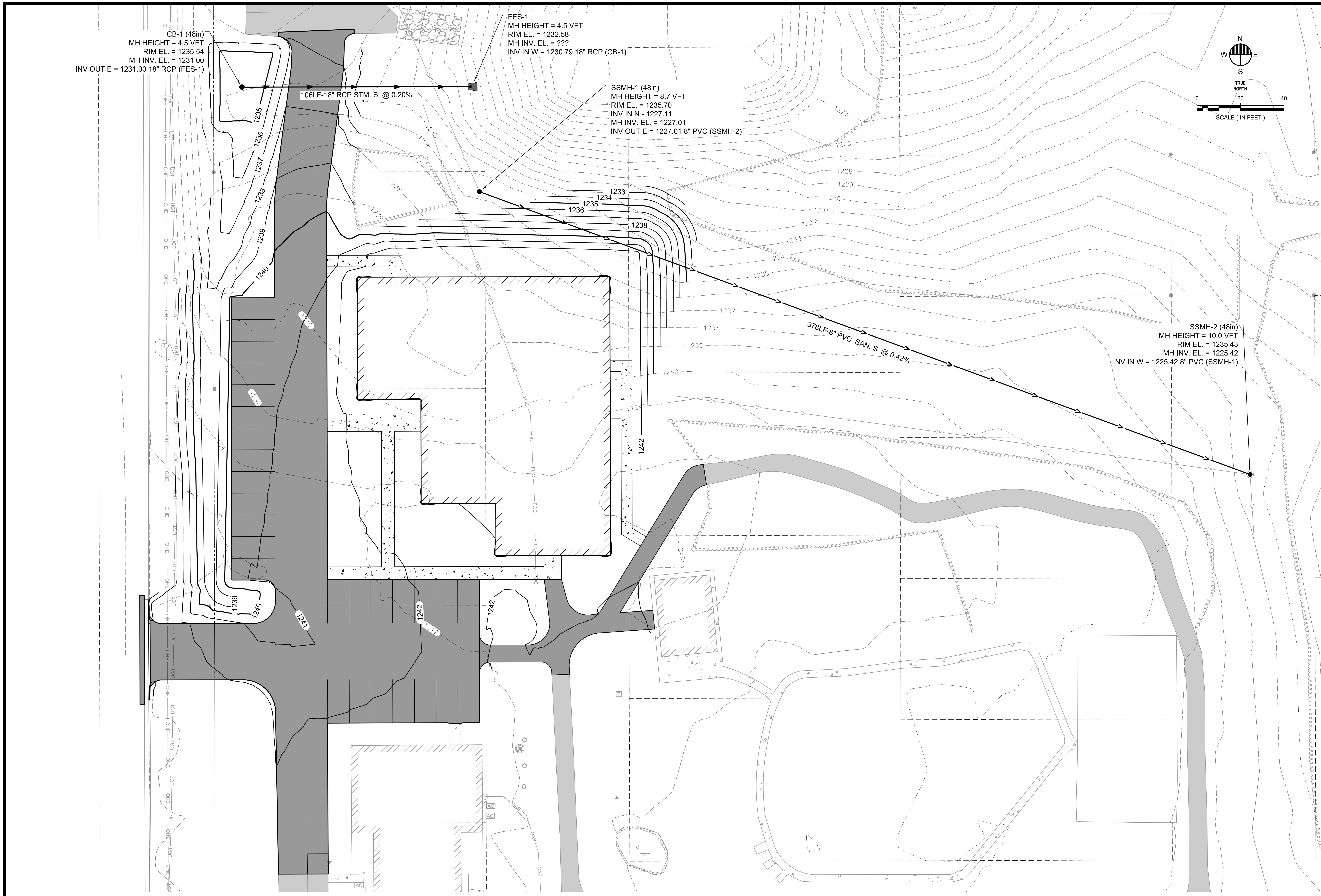

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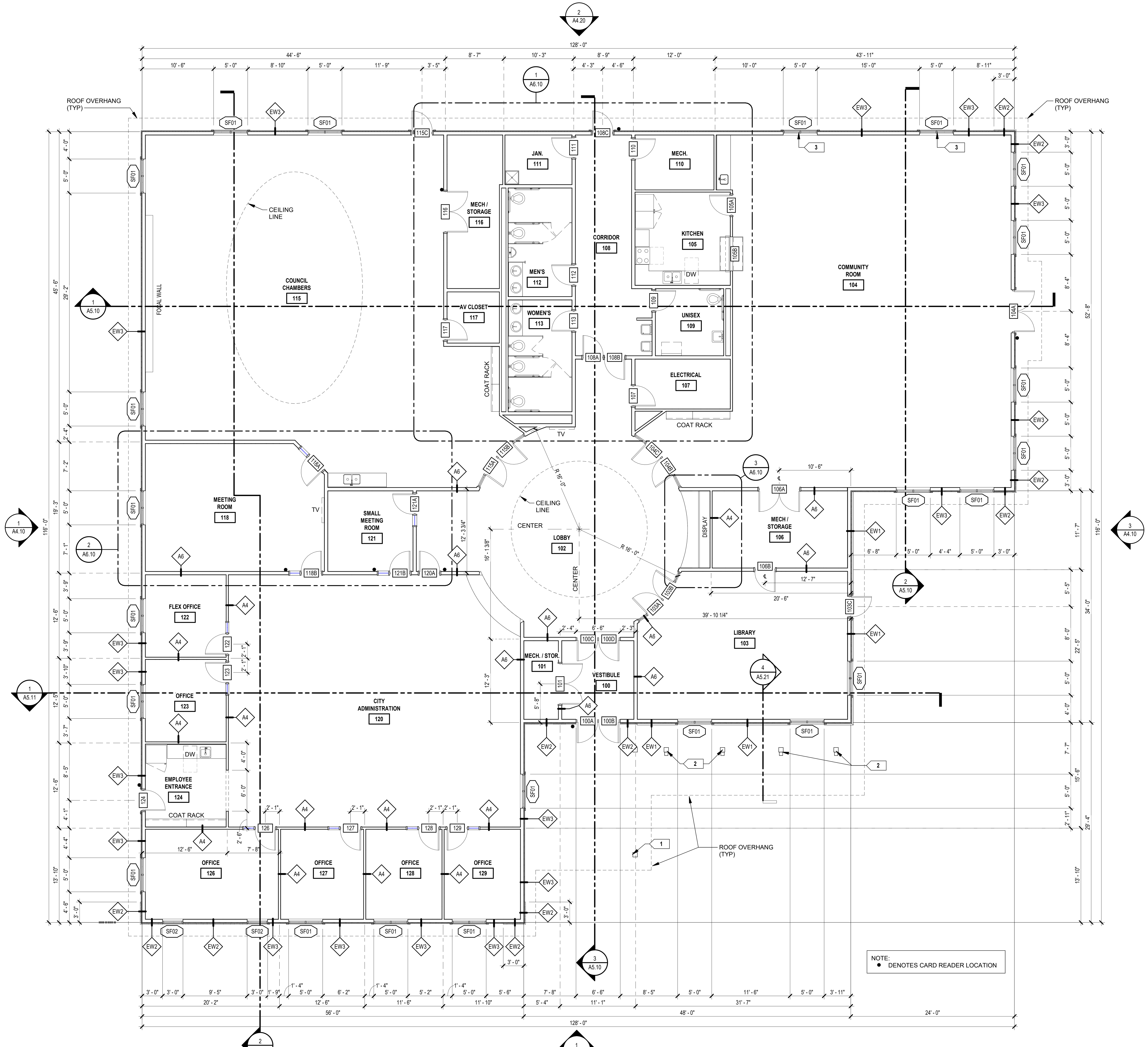
CITY OF BREEZY POINT
8319 COUNTY ROAD 11 BREEZY POINT, MN 56472

UTILITY PLAN

SHEET NO.
C7.01



FIRST LEVEL FLOOR PLAN

1/8" = 1'-0"

GENERAL FLOOR PLAN NOTES:

- ALL INTERIOR PARTITION WALLS ARE WOOD STUDS @ 16" O.C. WITH 5/8" GWB EACH SIDE (U.N.O.)
- DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY
- ALL PIPING, CONDUITS, AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN DRYWALL FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT, U.N.O.
- PROVIDE BACKING AND/OR WOOD BLOCKING IN WALLS WHERE WALL-MOUNTED EQUIPMENT IS SHOWN ON PLANS OR ELEVATIONS. VERIFY HEIGHT AND LENGTH WITH ACTUAL EQUIPMENT.
- ALL MECHANICAL EQUIPMENT PADS TO BE 4" HIGH U.N.O. LENGTH AND WIDTH OF PADS TO BE VERIFIED BY CONTRACTOR.
- ALL DIMENSIONS ARE CLEAR FROM THE CENTER OF WALL/PARTITION, TO CENTER OF WALL/PARTITION. SEE PARTITION TYPES FOR ACTUAL THICKNESS OF PARTITIONS. MASONRY WALLS ARE DIMENSIONED TO THE NOMINAL FACE.
- ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF STUD. ALL INTERIOR DIMENSION ARE TO THE CENTER OF THE WALL (U.N.O.)
- PATCH ALL HOLES IN SURFACES WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED. PREPARED SURFACES AS REQUIRED FOR NEW FINISHES. PATCH TO MATCH ADJACENT SURFACE IF NOT SCHEDULED.
- ALL FLOOR OPENINGS AND DEPRESSIONS IN THE WORK SHALL BE FILLED OR CLOSED U.N.O. WITH MATERIALS TO MATCH ADJACENT SURFACES. FINISHES ARE FIRE RATED.

KEYED PLAN NOTES

##	NOTE
1	ROOF SUPPORT COLUMN TYPE 1.
2	ROOF SUPPORT COLUMN TYPE 2.
3	BLACK OUT SCREEN AT THIS WINDOW, SEE SPECIFICATIONS.

GRAPHIC SCALE

0' 12' 24'

TRUE NORTH

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FIRST LEVEL FLOOR PLAN

SHEET NO.

A1.10

GENERAL CEILING PLAN NOTES:

- COORDINATE LIGHTING, SUPPLY AIR DIFFUSER & RETURN AIR GRILLE LOCATIONS WITH ELECTRICAL AND MECHANICAL DRAWINGS. VERIFY ANY DISCREPANCIES WITH ARCHITECT.
- EXIT LIGHTS NOT SHOWN - COORDINATE WITH APPROPRIATE DRAWINGS.
- SEE ROOF PLAN FOR OVERHANG DIMENSIONS
- COORDINATE ROOF ACCESS LOCATION WITH TRUSS SPACING.

CEILING PLAN LEGEND

	LIGHT FIXTURE, SEE ELECTRICAL PLANS
	SECURITY LIGHT
	EXIT SIGN

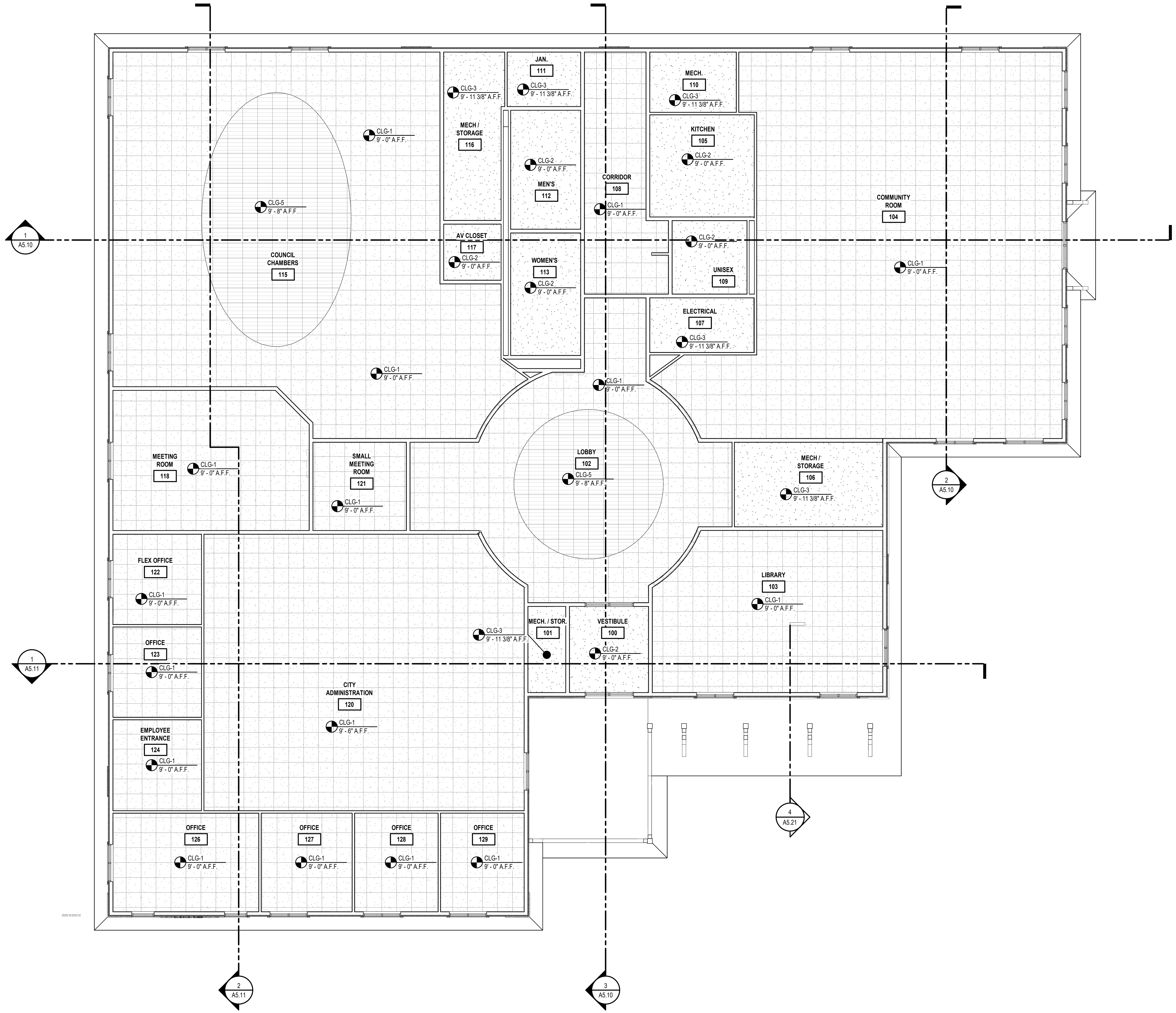
CLG-# — CEILING TYPE
12'-0" A.F.F. — CEILING HEIGHT ABOVE FINISH FLOOR

CEILING TYPES SCHEDULE

CLG-##	DESCRIPTION	COMMENTS
CLG-1	24"X24" ACT-1 CEILING	
CLG-2	SUSPENDED 5/8" GYP CEILING	
CLG-3	5/8" GYP CEILING W/ VAPOR RETARDER AT UNDERSIDE OF TRUSSES	LOCATED THROUGH OUT THE ENTIRE BUILDING
CLG-5	5/8" GYP CEILING	

KEYED PLAN NOTES

##	NOTE



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

GRAPHIC SCALE
0' 12' 24'

N E S W
TRUE NORTH

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CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

FIRST LEVEL REFLECTED CEILING PLAN

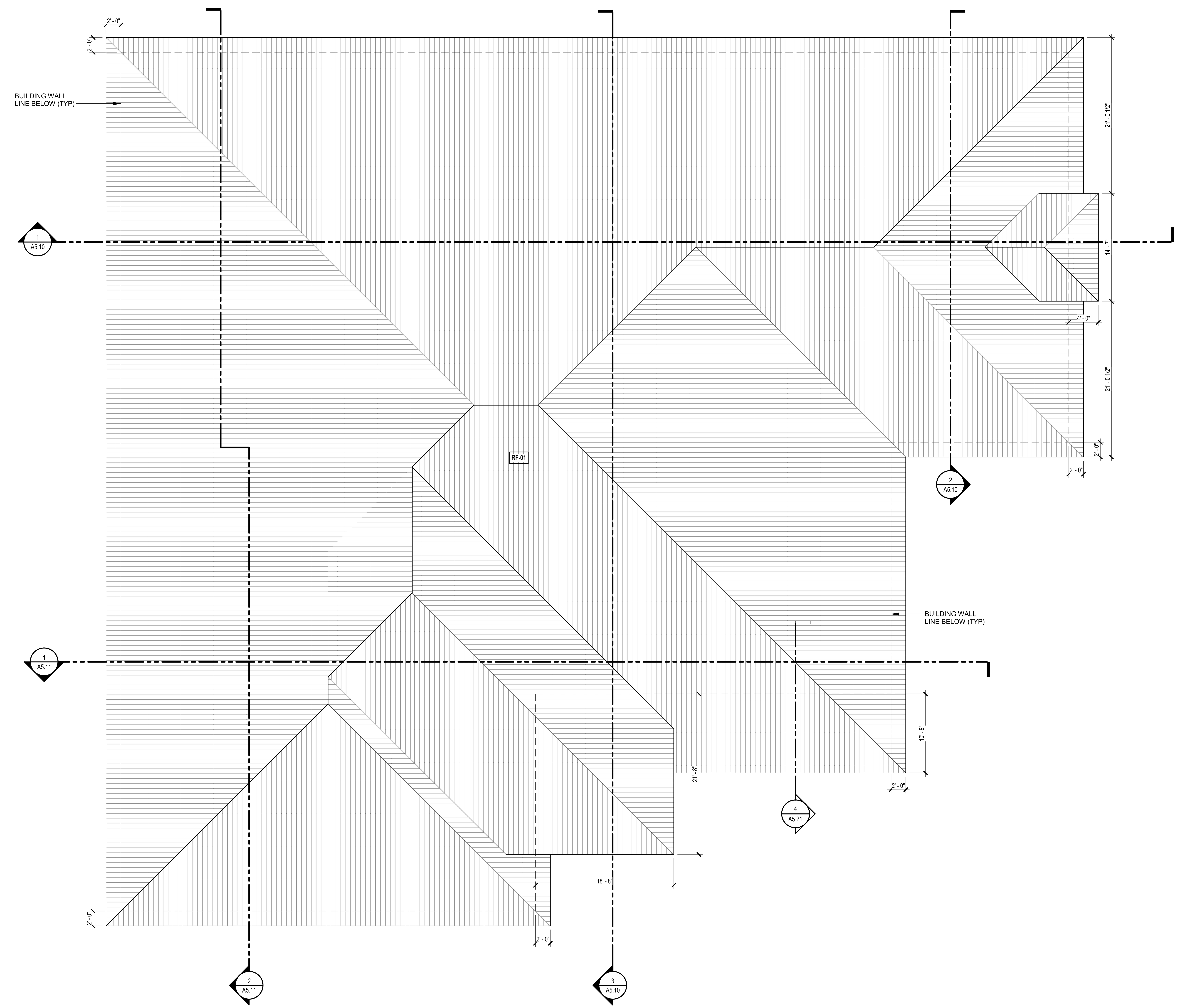
SHEET NO.
A2.10

GENERAL ROOF PLAN NOTES:

- PROVIDE ROOFING MANUFACTURER'S RECOMMENDED STANDARDS, FLASHING DETAILS FOR ALL DRAINS, PENETRATIONS, ETC.
- VERIFY AND COORDINATE QUANTITY, SIZE AND LOCATIONS OF ROOF EQUIPMENT AND PENETRATIONS WITH OTHER TRADES.

ROOF TYPES SCHEDULE

R-#	DESCRIPTION	COMMENTS
RF-01	STANDING SEAM METAL ROOF SYSTEM OVER WOOD TRUSSES	ENTIRE ROOF IS COVERED WITH ICE & WATER SHIELD



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

GRAPHIC SCALE
0' 12' 24'

N E S W
TRUE NORTH

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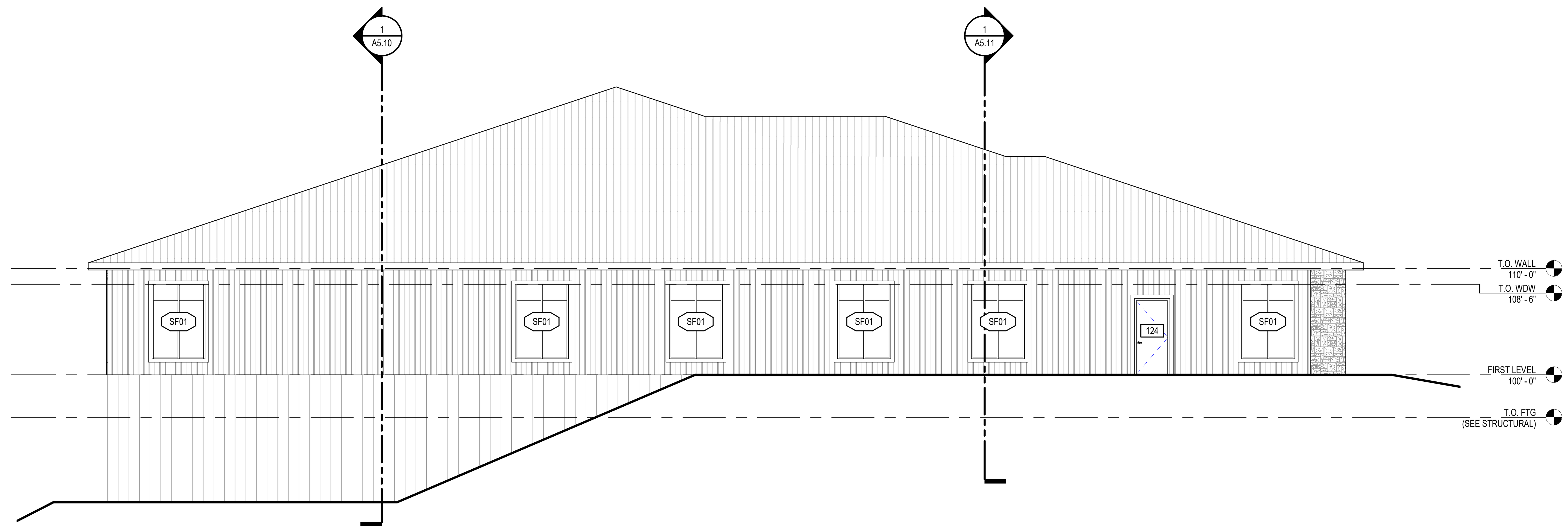
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

ROOF PLAN

SHEET NO.
A3.10

XXX-##	BLDG ELEV MATERIAL ID LIST	
XXX-##	DESCRIPTION	COMMENTS

##	KEYED PLAN NOTES
##	NOTE



1 NORTH ELEVATION
1/8" = 1'-0"

3 SOUTH ELEVATION
1/8" = 1'-0"

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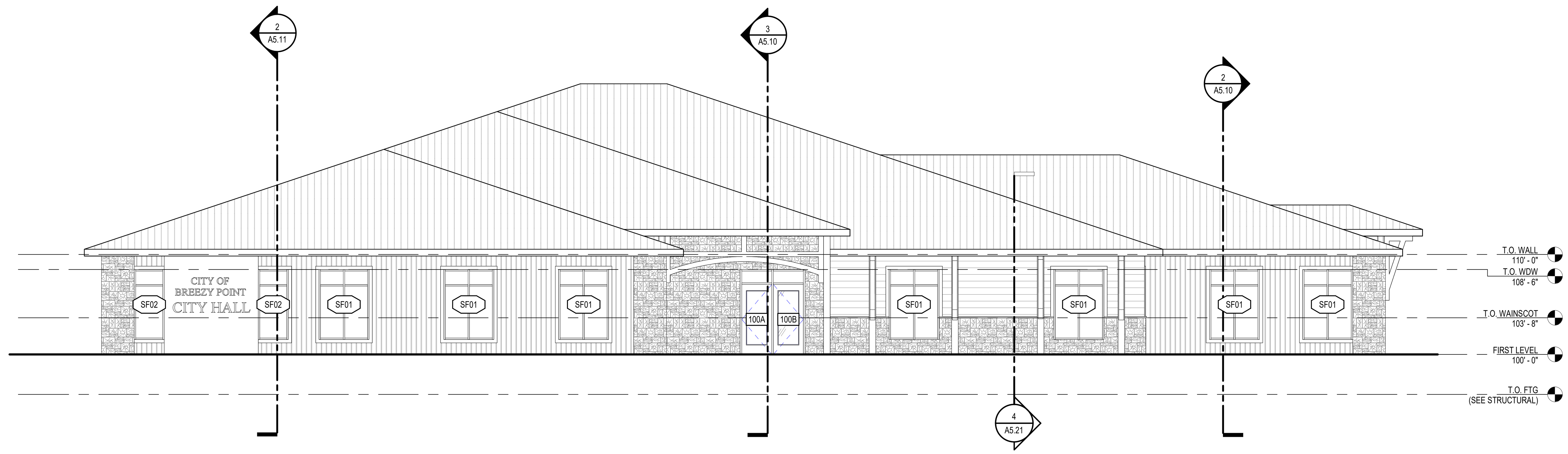
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

BUILDING ELEVATIONS

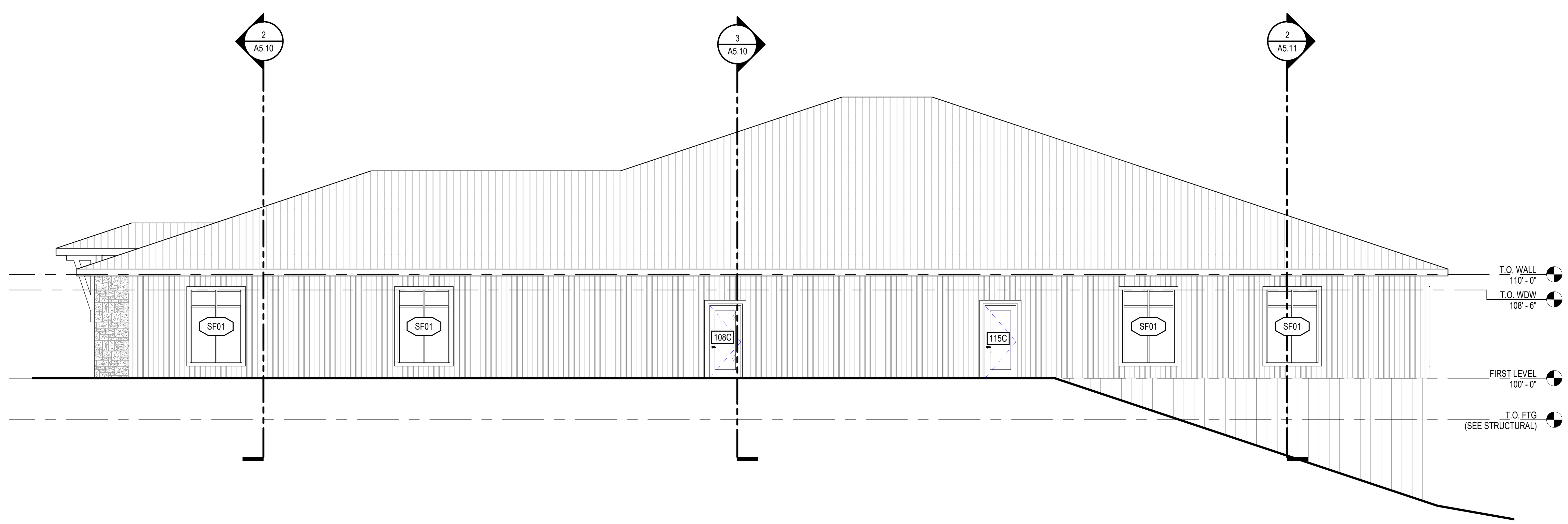
SHEET NO.
A4.10

XXX-##	BLDG ELEV MATERIAL ID LIST	
XXX-##	DESCRIPTION	COMMENTS

##	KEYED PLAN NOTES
##	NOTE



1 WEST ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"

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MICHAEL J. ANGLAND <XX-XX-XX> LIC# 45375

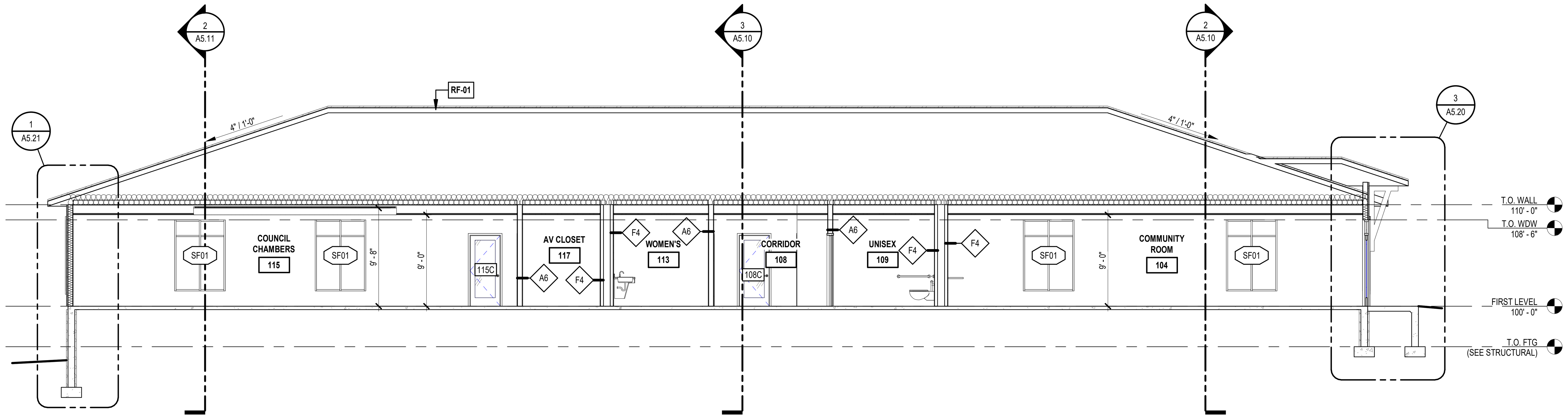
DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: JANUARY 5, 2024
SCALE: AS NOTED
DRAWN BY: T.J.S.
CHECKED BY: M.J.A.
JOB NUMBER: 2023-11990

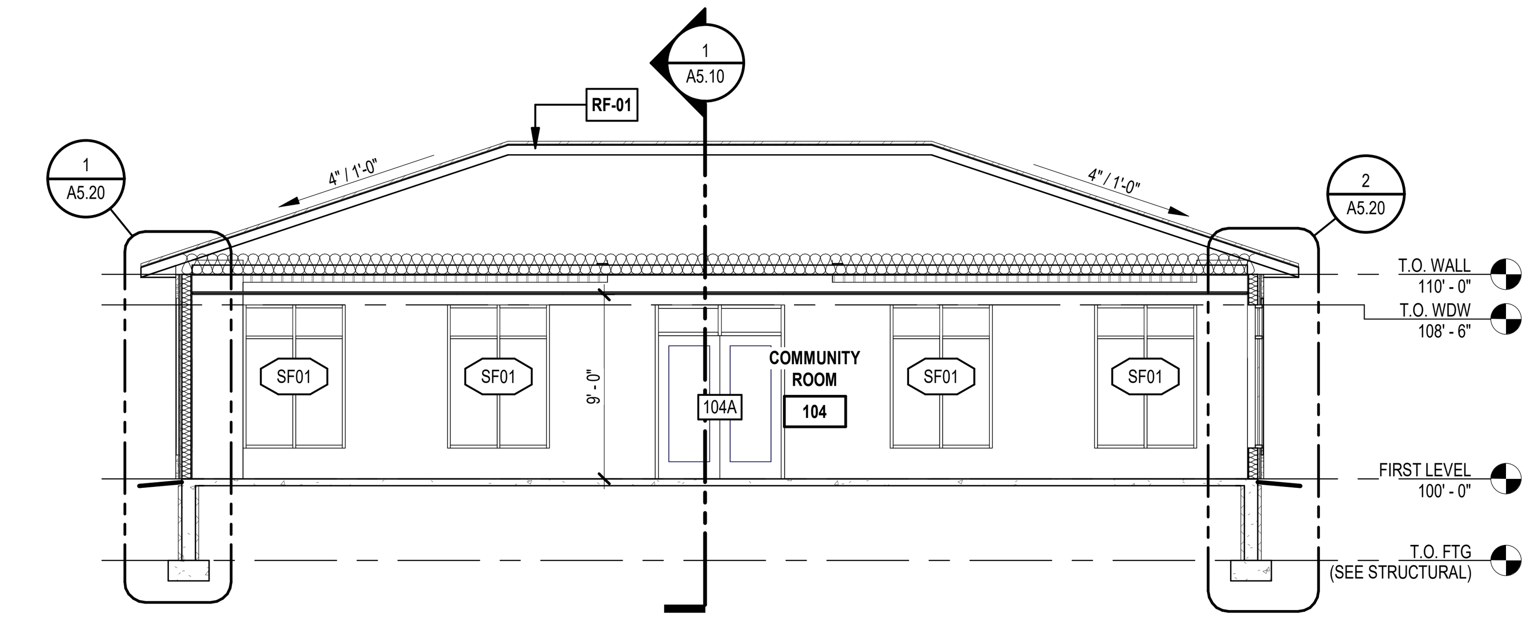
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

BUILDING ELEVATIONS

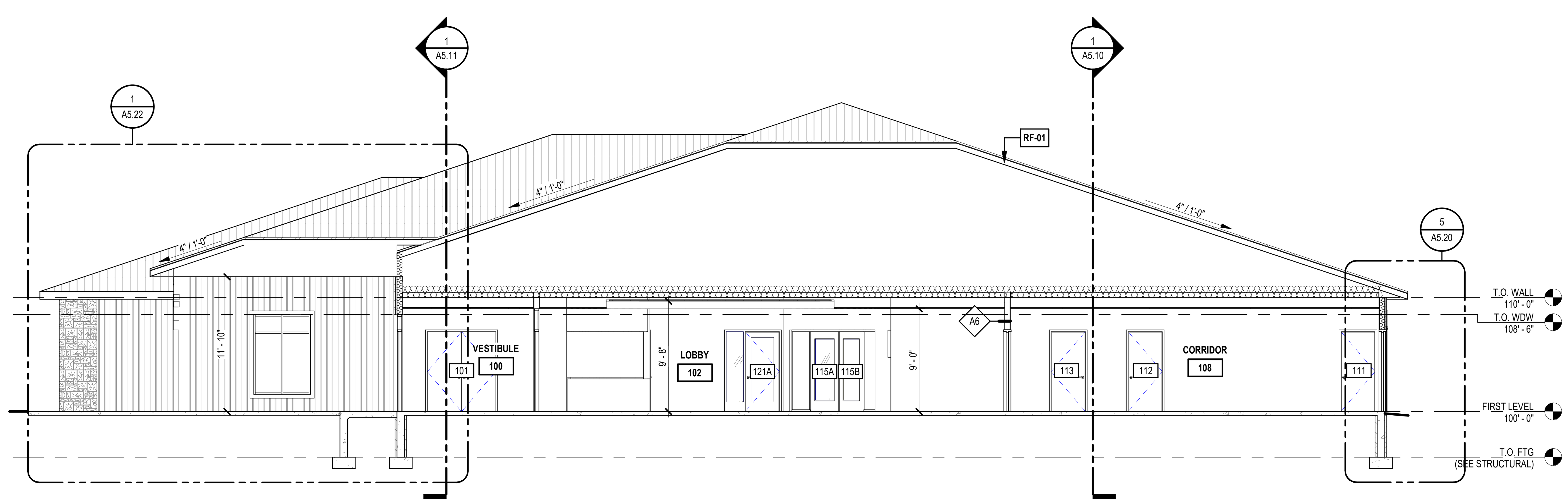
SHEET NO.
A4.20



1 BUILDING SECTION AT COUNCIL CHAMBERS/COMMUNITY ROOM
1/8" = 1'-0"



2 BUILDING SECTION AT COMMUNITY ROOM
1/8" = 1'-0"



3 BUILDING SECTION AT VESTIBULE/CORRIDOR
1/8" = 1'-0"

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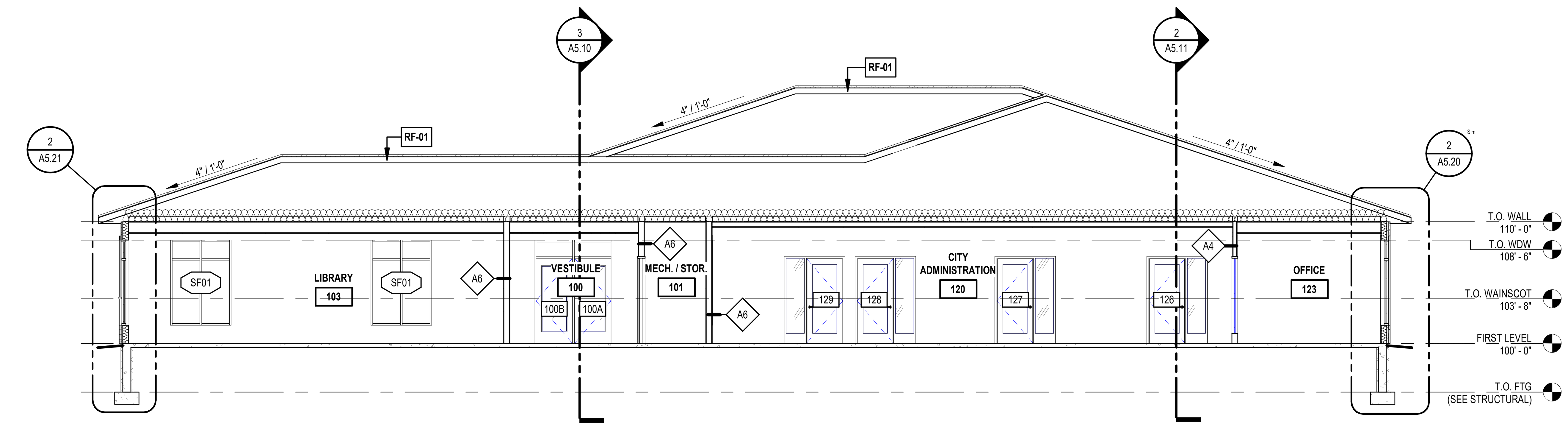
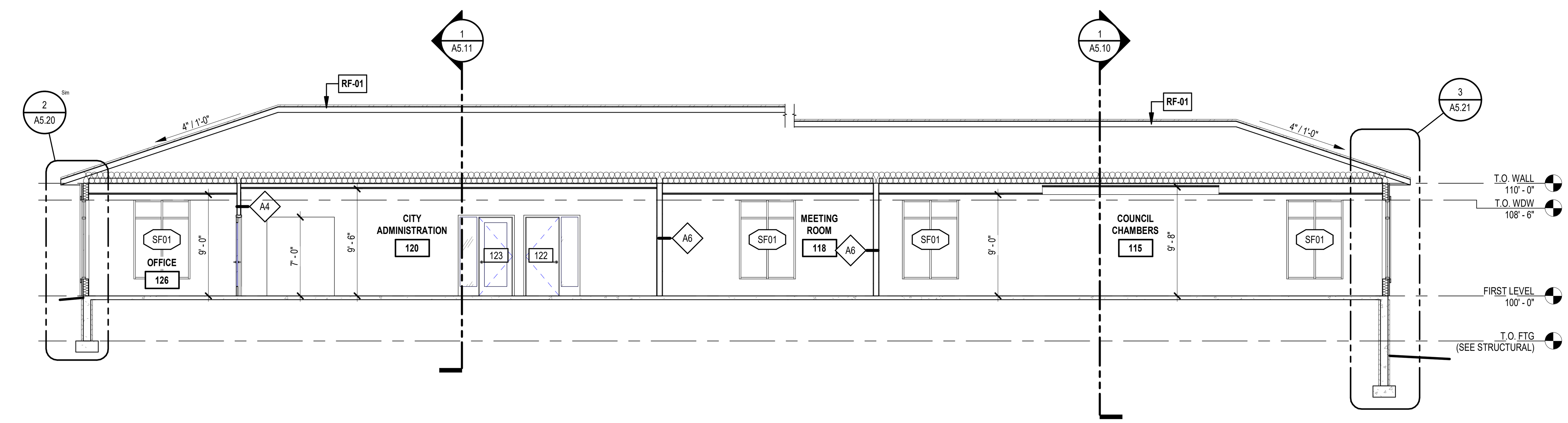
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

BUILDING SECTIONS

SHEET NO.
A5.10



1 BUILDING SECTION AT LIBRARY/CITY ADMINISTRATION
1/8" = 1'-0"



2 BUILDING SECTION AT COUNCIL CHAMBERS
1/8" = 1'-0"

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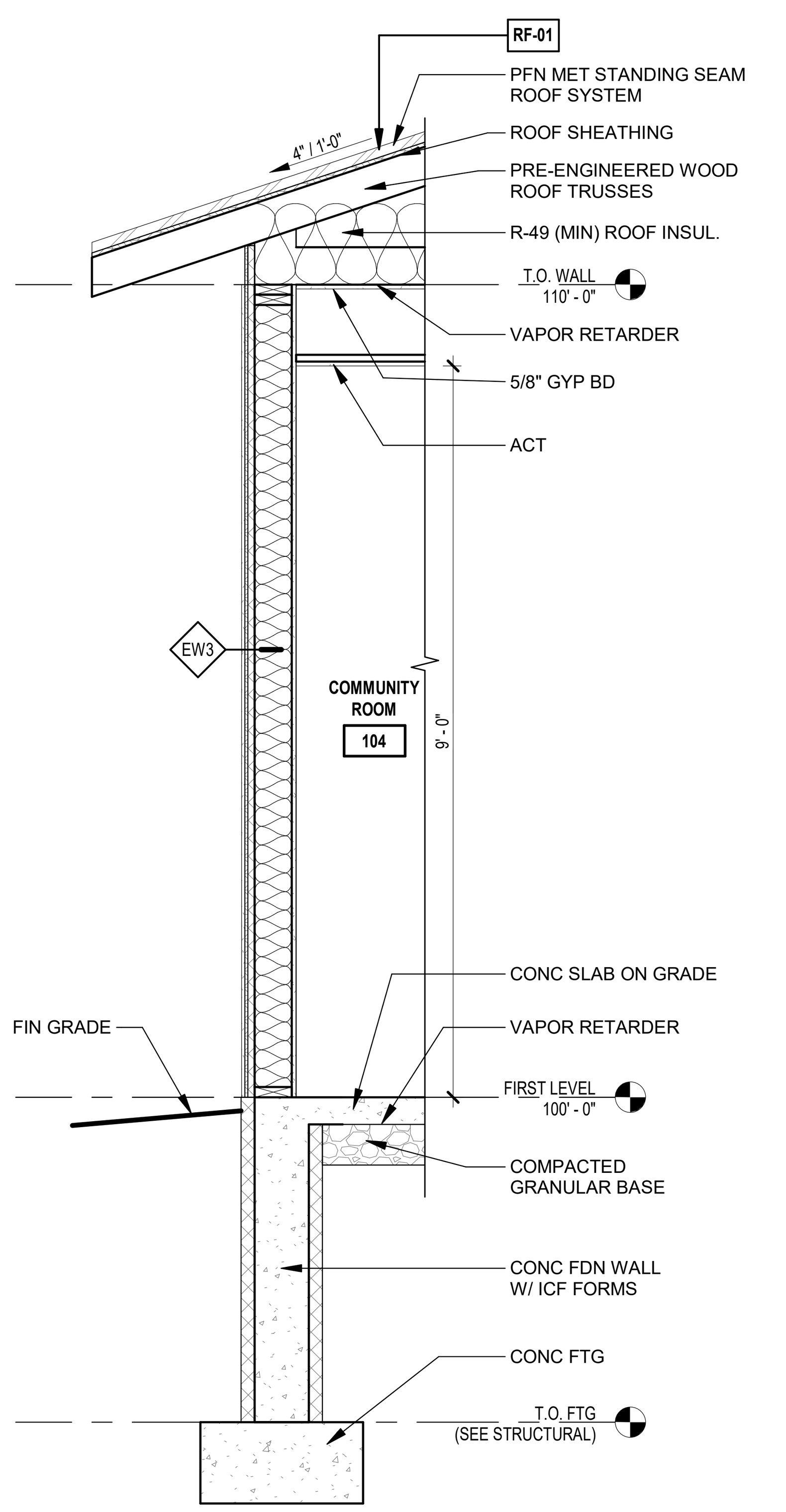
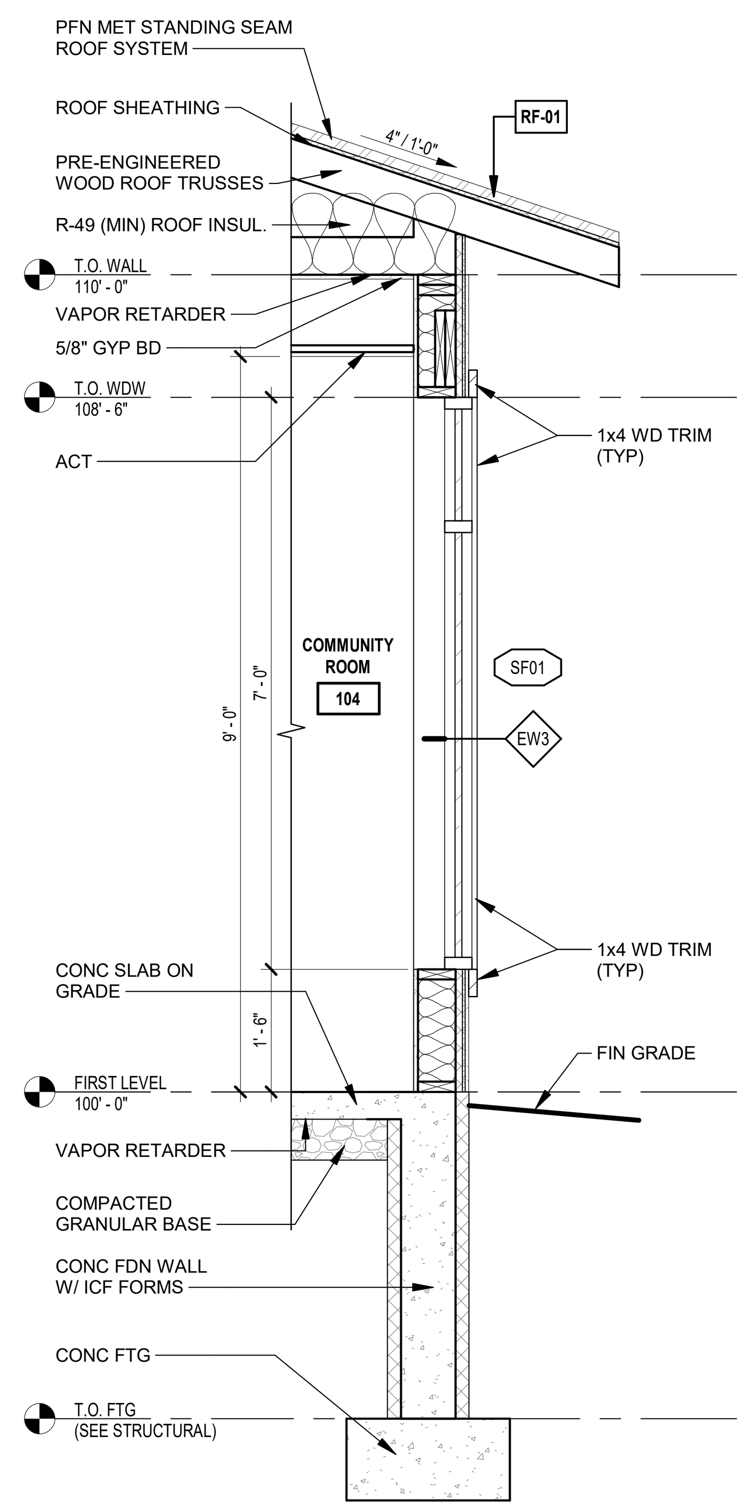
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

BUILDING SECTIONS

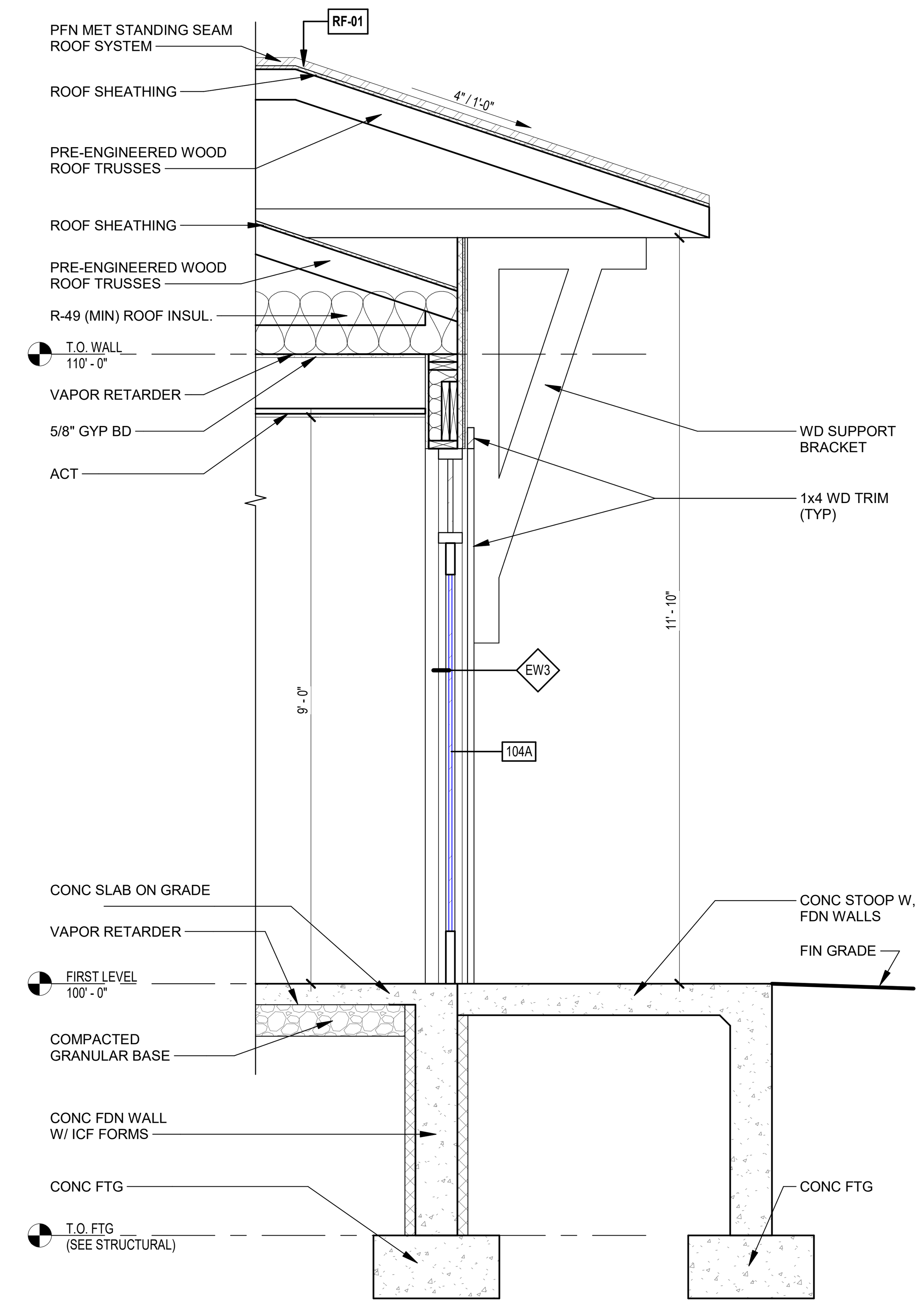
SHEET NO.
A5.11



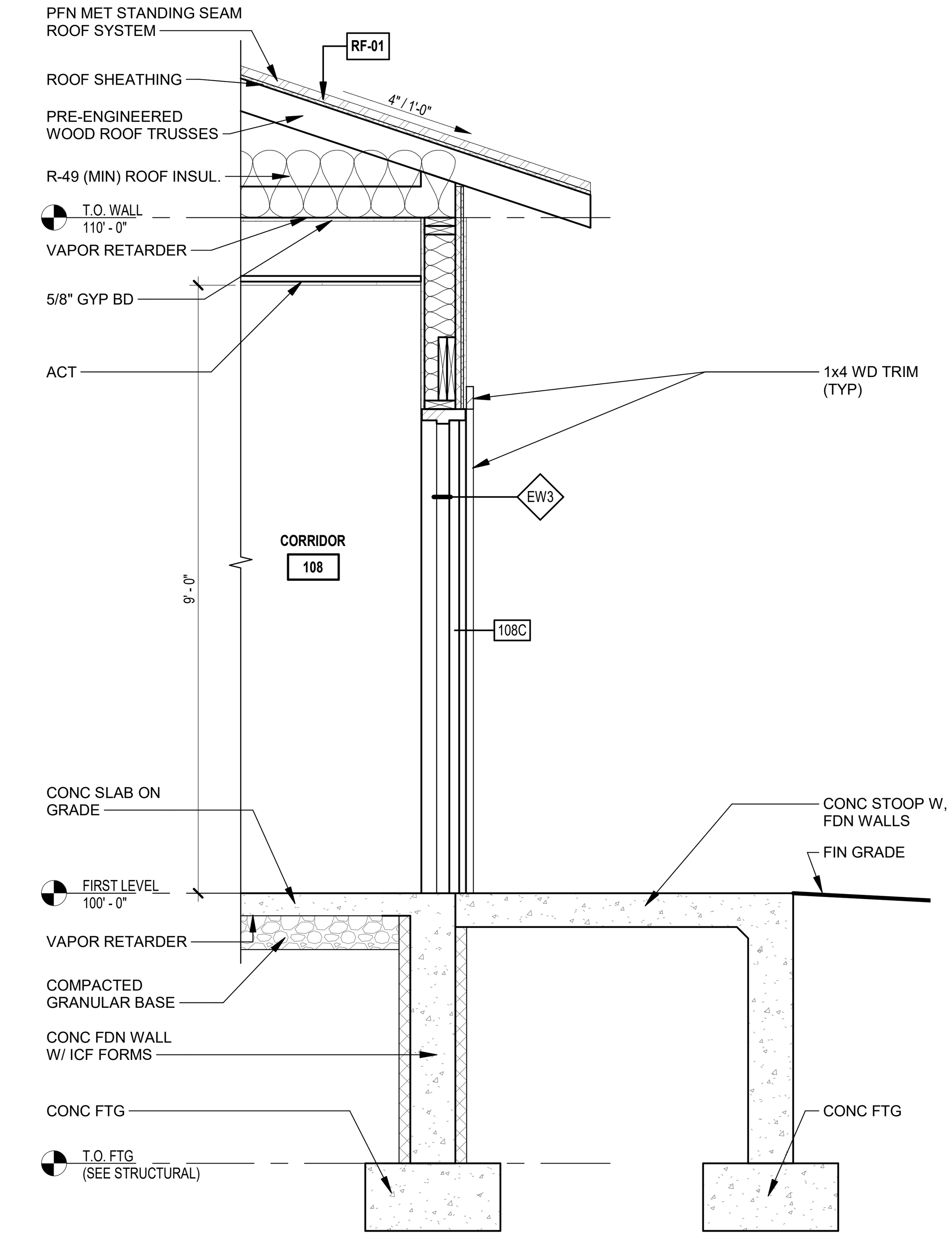
1 WALL SECTION AT COMMUNITY ROOM
1/2" = 1'-0"



2 WALL SECTION AT COMMUNITY ROOM WINDOW
1/2" = 1'-0"



3 WALL SECTION AT COMMUNITY ROOM EXTERIOR DOOR
1/2" = 1'-0"



5 WALL SECTION AT CORRIDOR 109
1/2" = 1'-0"

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BREEZY POINT CITY HALL
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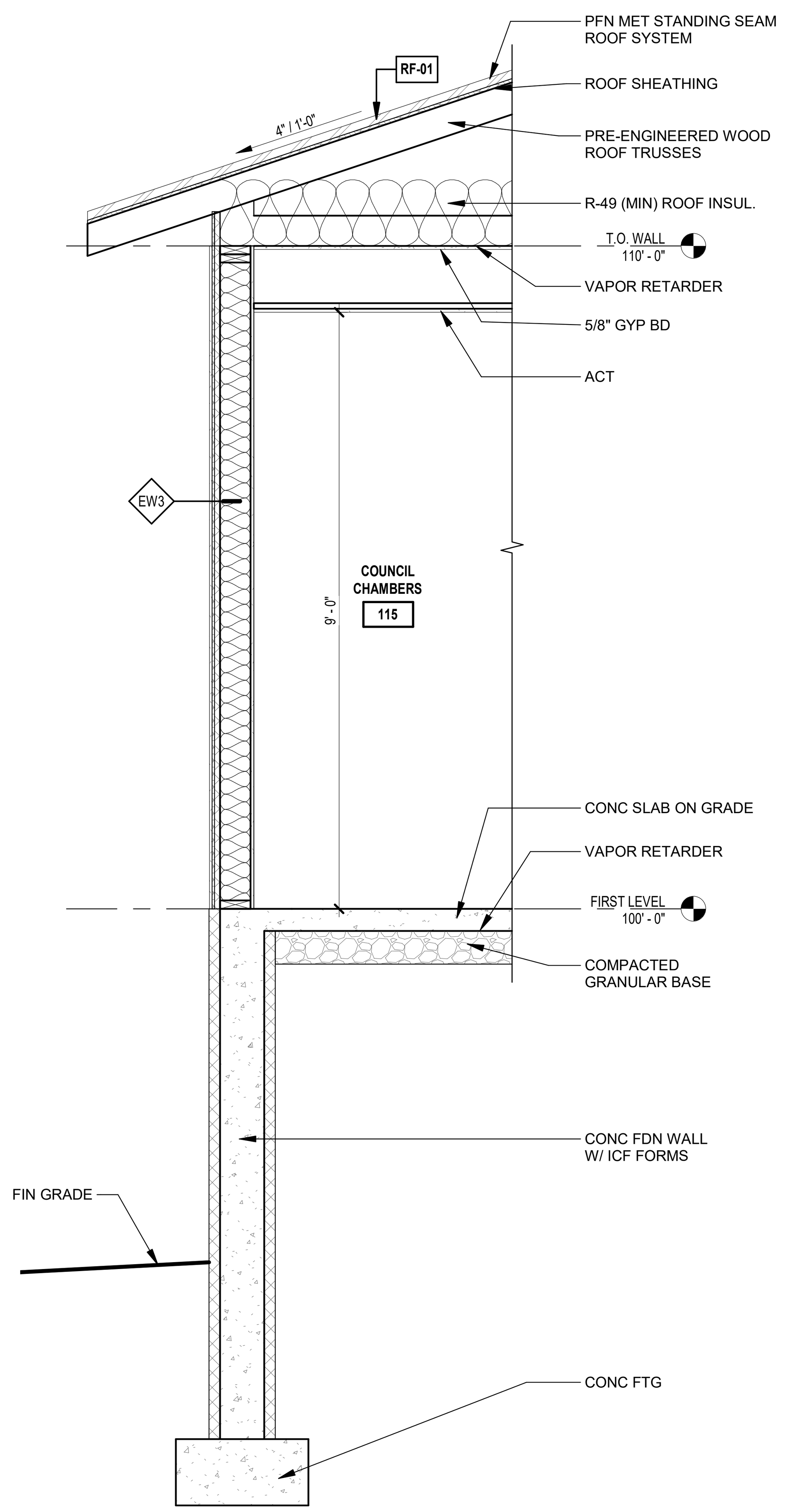
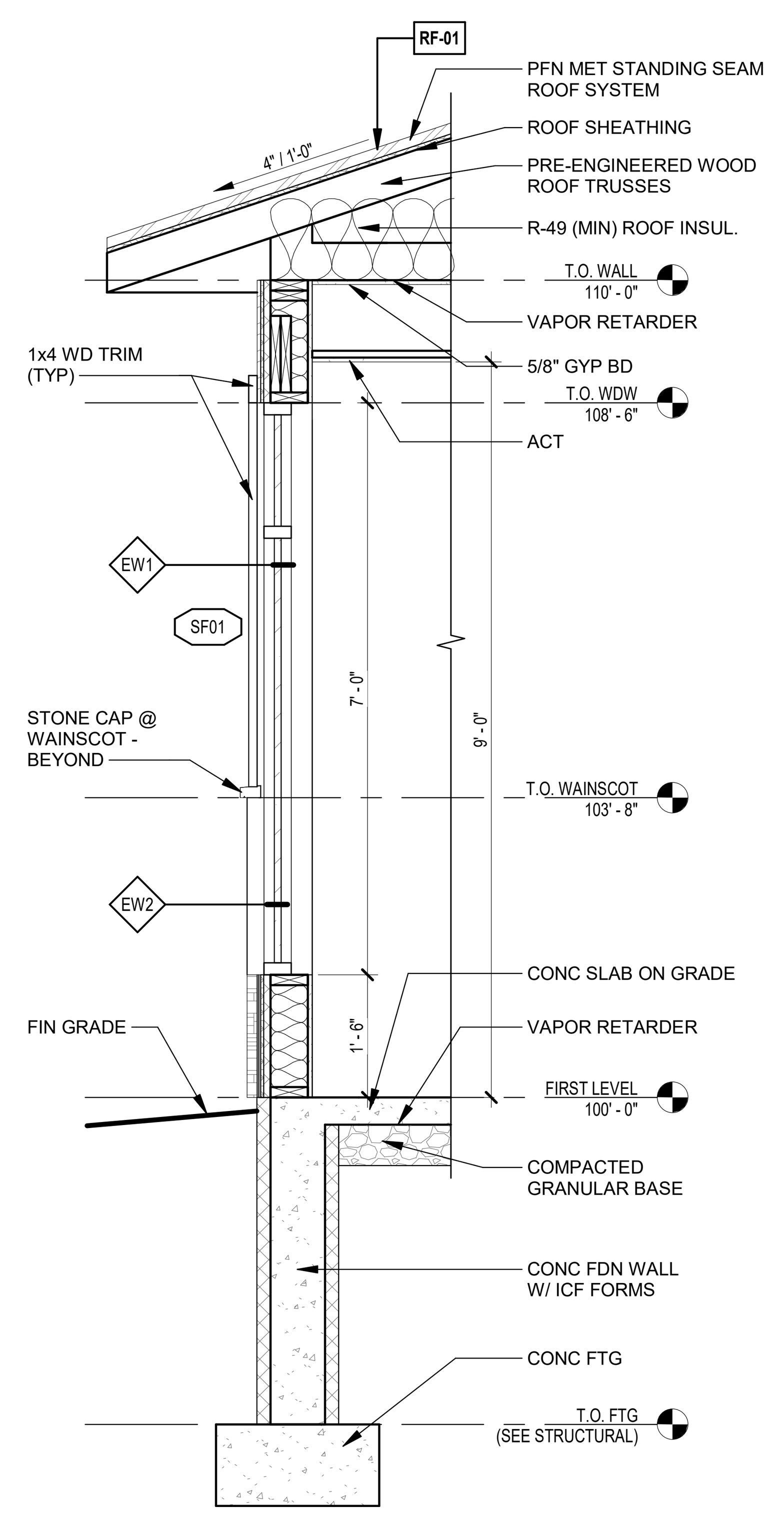
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

WALL SECTIONS

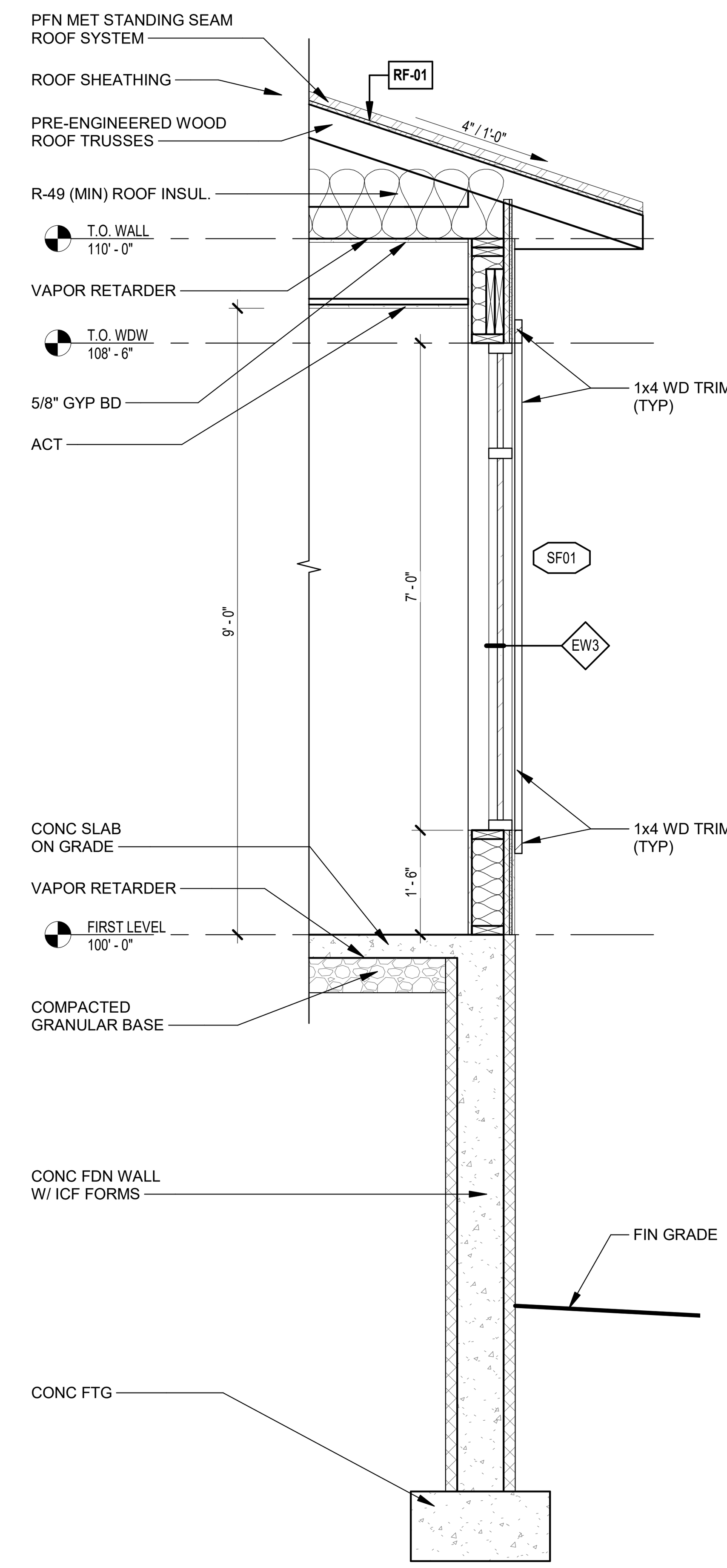
SHEET NO.
A5.20



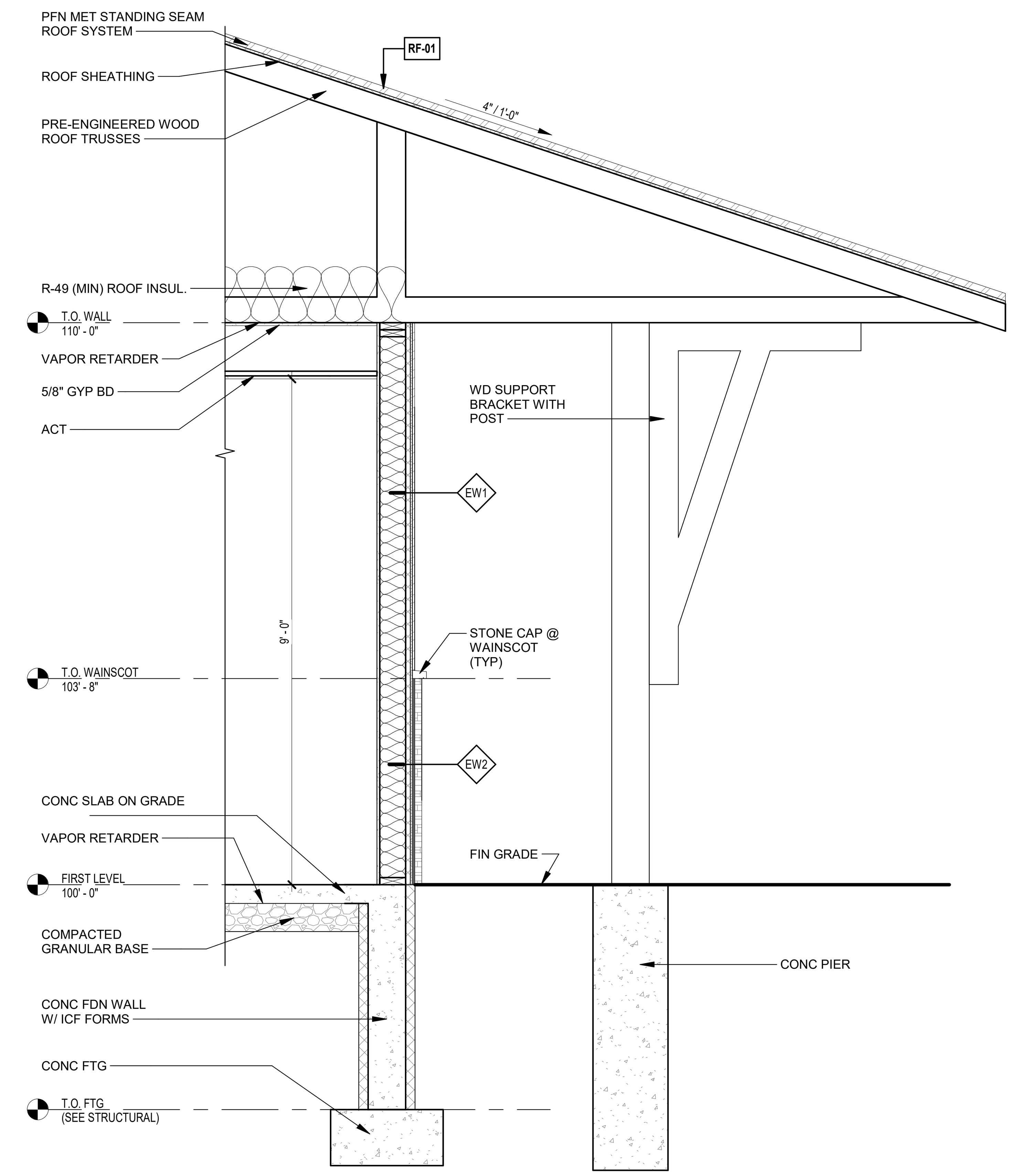
1 WALL SECTION AT COUNCIL CHAMBERS
1/2" = 1'-0"



2 WALL SECTION AT LIBRARY - SOUTH WALL
1/2" = 1'-0"



3 WALL SECTION AT COUNCIL CHAMBERS - EAST WALL
1/2" = 1'-0"



4 WALL SECTION AT LIBRARY
1/2" = 1'-0"

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<XX-XX-XX>
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CITY OF BREEZY POINT
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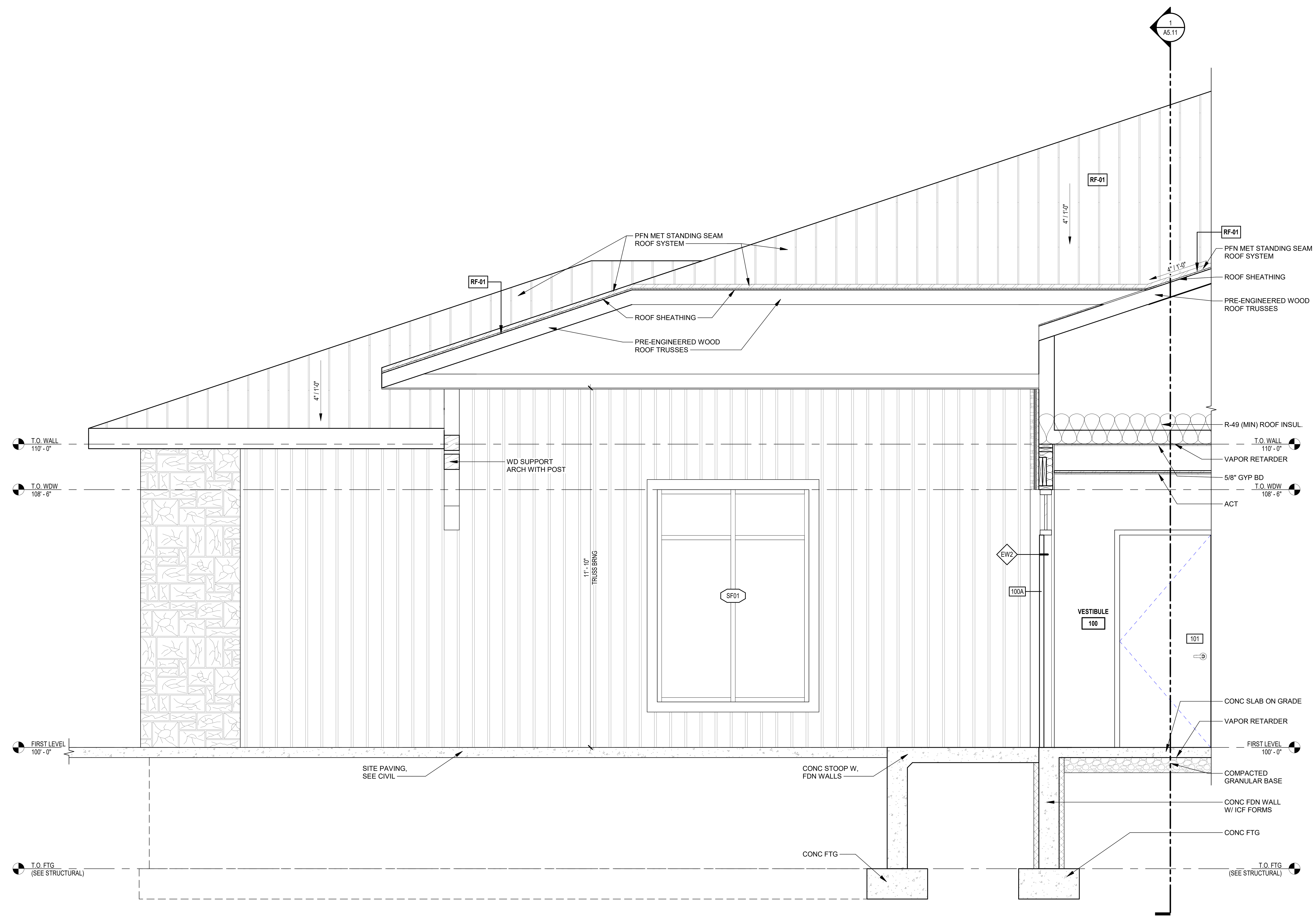
WALL SECTIONS

SHEET NO.
A5.21



1 WALL SECTION AT VESTIBULE
1/2" = 1'-0"

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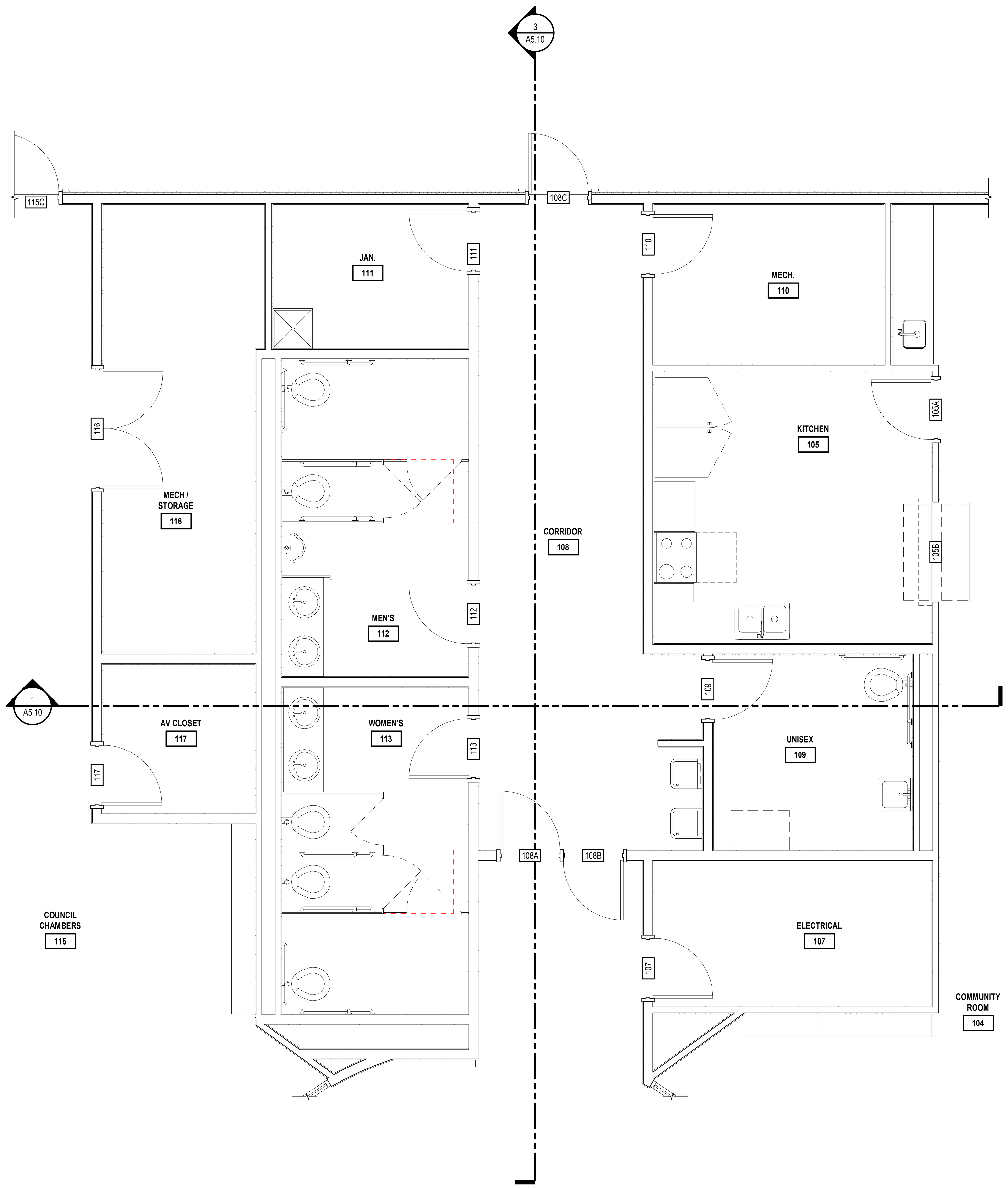
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

WALL SECTIONS

SHEET NO.
A5.22

XX-###	INTERIORS COMPONENT ID LIST			
XXX-##	DESCRIPTION	MANUF.	MODEL	COMMENTS

##	KEYED PLAN NOTES
##	NOTE

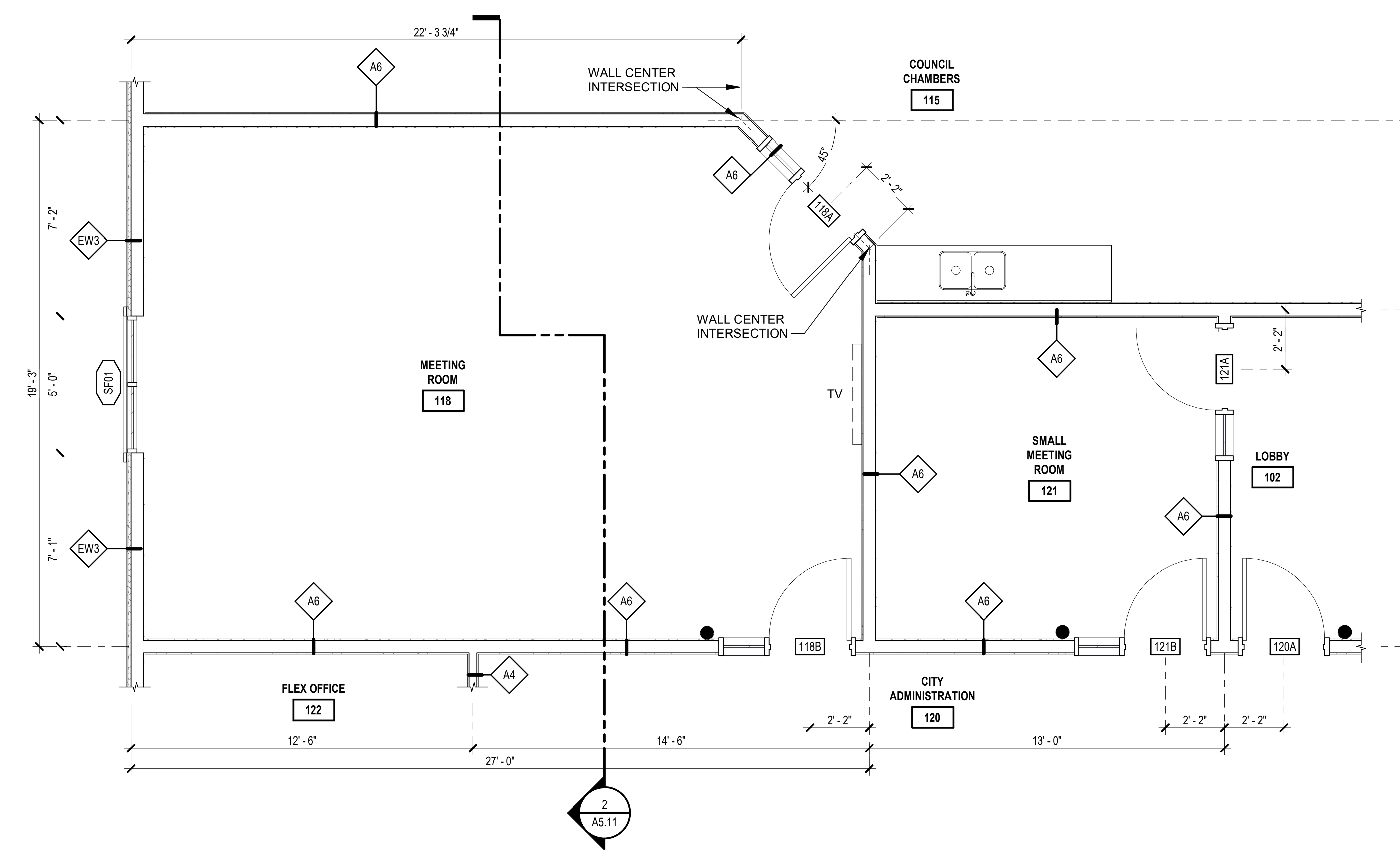


1 ENLARGED PLAN AT CORRIDOR 108

1/4" = 1'-0"

GRAPHIC SCALE 0' 12' 24'

TRUE NORTH

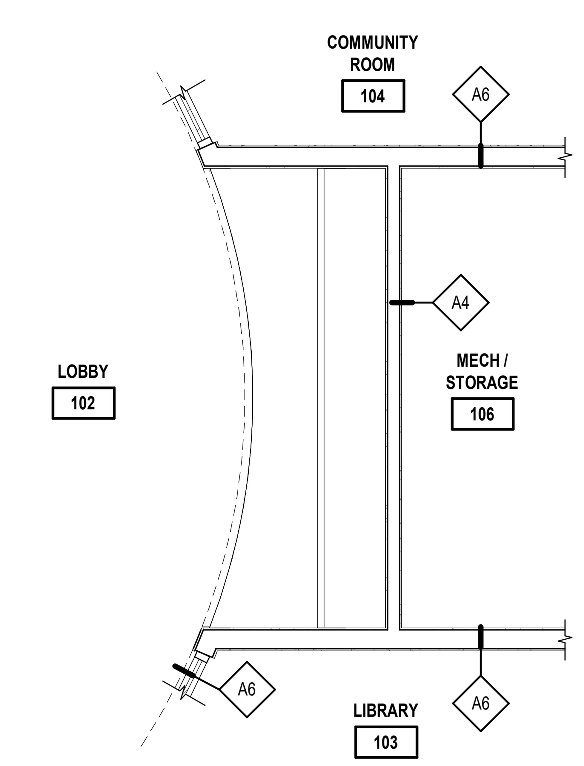


2 ENLARGED PLAN AT MEETING ROOM 118

1/4" = 1'-0"

GRAPHIC SCALE 0' 12' 24'

TRUE NORTH



3 ENLARGED PLAN AT LOBBY 102 DISPLAY

1/4" = 1'-0"

GRAPHIC SCALE 0' 12' 24'

TRUE NORTH

<Copy and paste file path here> 1/5/2024 9:06:42 AM

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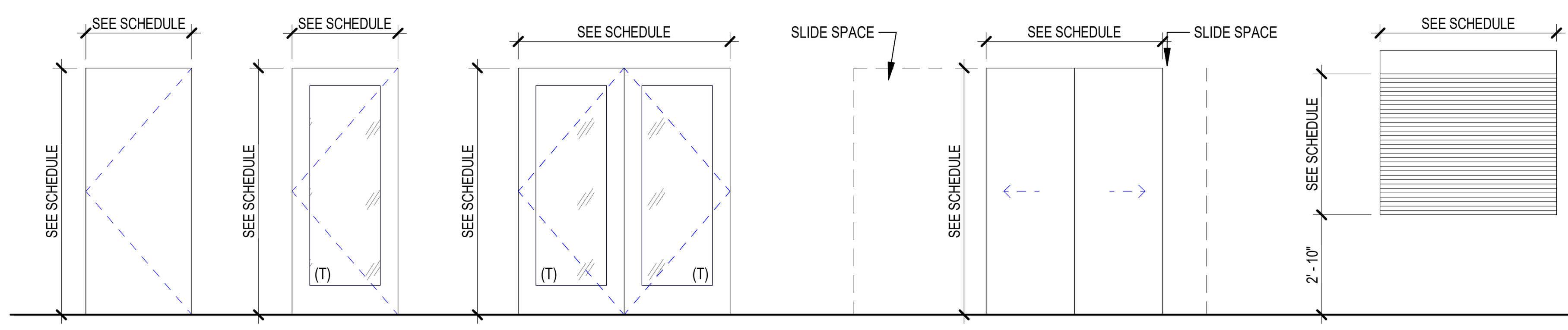
ENLARGED FLOOR PLANS

SHEET NO.
A6.10

DOOR TYPES AND SCHEDULES



DOOR TYPE "A" FLUSH

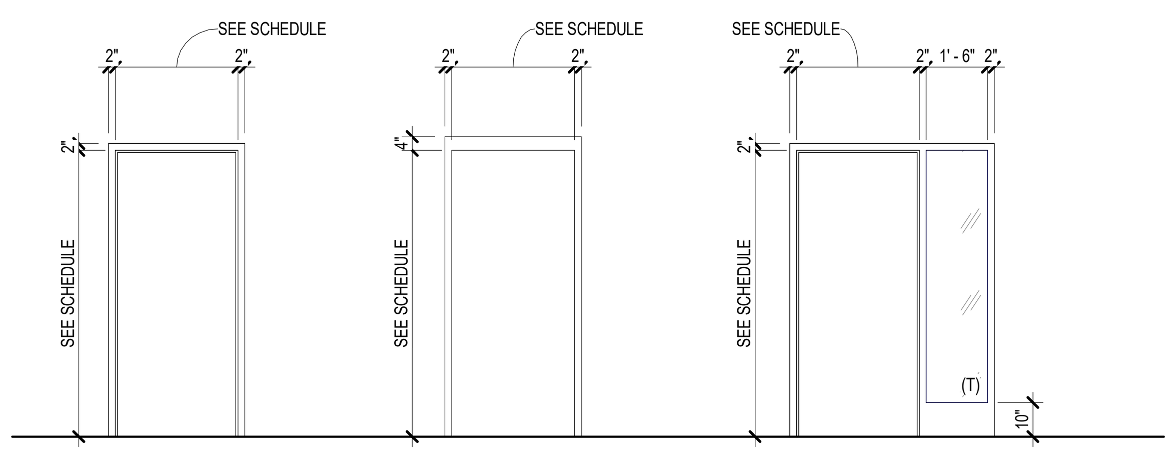
DOOR TYPE "B" FULL GLASS

DOOR TYPE "C" DOUBLE FULL GLASS

DOOR TYPE "D" DOUBLE POCKET DOOR

DOOR TYPE "E" ROLL-UP COUNTER DOOR

DOOR TYPES



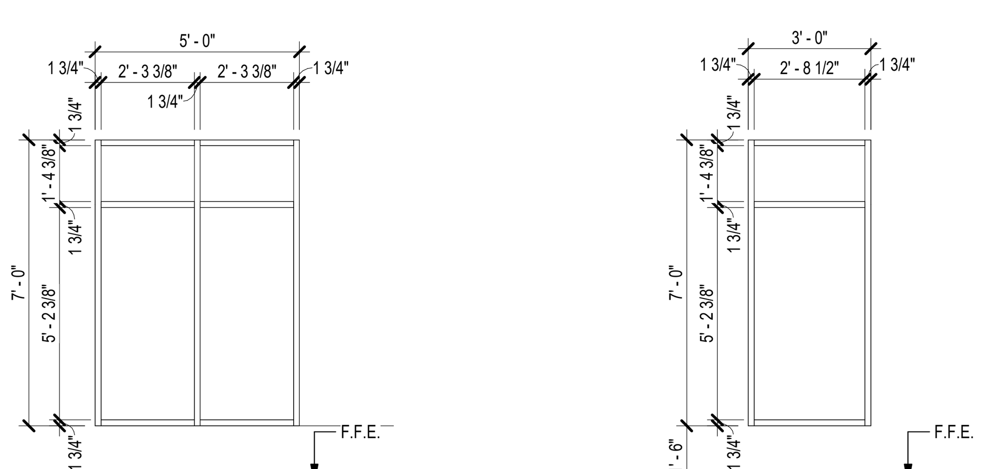
FRAME "A"

FRAME "B"

FRAME "C"

DOOR FRAME TYPES

WINDOW TYPES



FIXED WINDOW "SF01" ALUMINUM FRAMING

FIXED WINDOW "SF02" ALUMINUM FRAMING

WINDOW TYPES

1/4" = 1'-0"

###

DOOR SCHEDULE

DOOR #	ROOM #	ROOM NAME	HARDWARE GROUP	DOOR						FRAME			GLASS TYPE	FIRE RATING	COMMENTS
				WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH			
100A	100	VESTIBULE		3' - 0"	7' - 0"	1 3/4"	B								
100B	100	VESTIBULE		3' - 0"	7' - 0"	1 3/4"	B								
100C	100	VESTIBULE		3' - 0"	7' - 0"	1 3/4"	B								
100D	100	VESTIBULE		3' - 0"	7' - 0"	1 3/4"	B								
101	101	MECH. / STOR.		6' - 0"	7' - 0"	1 3/4"	A								
103A	103	LIBRARY		3' - 0"	7' - 0"	1 3/4"	B								
103B	103	LIBRARY		3' - 0"	7' - 0"	1 3/4"	B								
103C	103	LIBRARY		3' - 0"	7' - 0"	1 3/4"	B								
104A	104	COMMUNITY ROOM		6' - 0"	7' - 0"	1 3/4"	C								
104B	104	COMMUNITY ROOM		3' - 0"	7' - 0"	1 3/4"	B								
104C	104	COMMUNITY ROOM		3' - 0"	7' - 0"	1 3/4"	B								
105A	105	KITCHEN		3' - 0"	7' - 0"	1 3/4"	A								
105B	105	KITCHEN		5' - 0"	4' - 0"	1 3/4"	E								
106A	106	MECH / STORAGE		6' - 0"	7' - 0"	1 3/4"	A								
106B	106	MECH / STORAGE		3' - 0"	7' - 0"	1 3/4"	A								
107	107	ELECTRICAL		3' - 0"	7' - 0"	1 3/4"	A								
108A	108	CORRIDOR		3' - 0"	7' - 0"	1 3/4"	A								
108B	108	CORRIDOR		3' - 0"	7' - 0"	1 3/4"	A								
108C	108	CORRIDOR		3' - 0"	7' - 0"	1 3/4"	B								
109	109	UNISEX		3' - 0"	7' - 0"	1 3/4"	A								
110	110	MECH.		3' - 0"	7' - 0"	1 3/4"	A								
111	111	JAN.		3' - 0"	7' - 0"	1 3/4"	A								
112	112	MEN'S		3' - 0"	7' - 0"	1 3/4"	A								
113	113	WOMEN'S		3' - 0"	7' - 0"	1 3/4"	A								
115A	115	COUNCIL CHAMBERS		3' - 0"	7' - 0"	1 3/4"	B								
115B	115	COUNCIL CHAMBERS		3' - 0"	7' - 0"	1 3/4"	B								
115C	115	COUNCIL CHAMBERS		3' - 0"	7' - 0"	1 3/4"	B								
116	116	MECH / STORAGE		6' - 0"	7' - 0"	1 3/4"	A								
117	117	AV CLOSET		3' - 0"	7' - 0"	1 3/4"	A								
118A	118	MEETING ROOM		3' - 0"	7' - 0"	1 3/4"	B								
118B	118	MEETING ROOM		3' - 0"	7' - 0"	1 3/4"	B								
120A	120	CITY ADMINISTRATION		3' - 0"	7' - 0"	1 3/4"	A								
121A	121	SMALL MEETING ROOM		3' - 0"	7' - 0"	1 3/4"	B								
121B	121	SMALL MEETING ROOM		3' - 0"	7' - 0"	1 3/4"	B								
122	122	FLEX OFFICE		3' - 0"	7' - 0"	1 3/4"	A								
123	123	OFFICE		3' - 0"	7' - 0"	1 3/4"	B								
124	124	EMPLOYEE ENTRANCE		3' - 0"	7' - 0"	1 3/4"	A								
126	126	OFFICE		3' - 0"	7' - 0"	1 3/4"	B								
127	127	OFFICE		3' - 0"	7' - 0"	1 3/4"	B								
128	128	OFFICE		3' - 0"	7' - 0"	1 3/4"	B								
129	129	OFFICE		3' - 0"	7' - 0"	1 3/4"	B								

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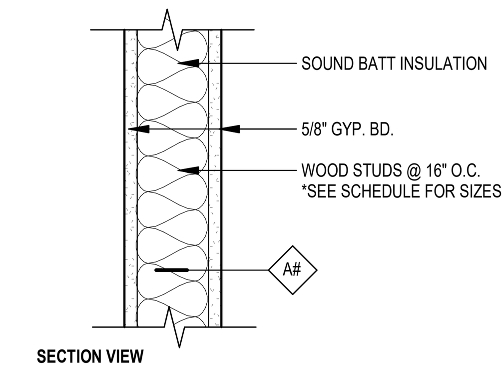
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

WINDOW AND DOOR SCHEDULES AND TYPES

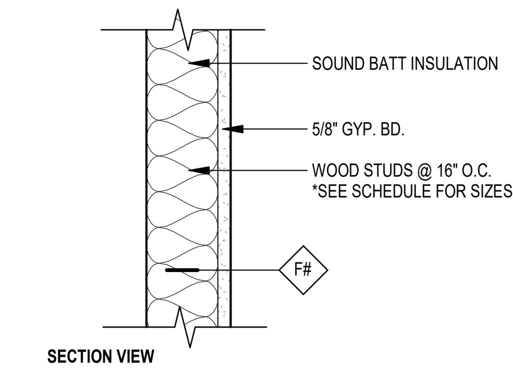
SHEET NO.
A9.10

WALL TYPES



A# **A-SERIES: INTERIOR PARTITION**

- WOOD STUDS @ 16" O.C.
- GYPSUM BOARD ASSEMBLY
- DIMENSION TO THE CENTERLINE OF STUD
- SEE SCHEDULE FOR STUD SIZES



F# **F-SERIES:** INTERIOR FURRING PARTITION

- WOOD STUDS @ 16" O.C. (U.N.O.)
- DIMENSION TO THE CENTERLINE OF STUD
- SEE SCHEDULE FOR STUD SIZES
- GYPSUM BOARD ASSEMBLY, SINGLE SIDE

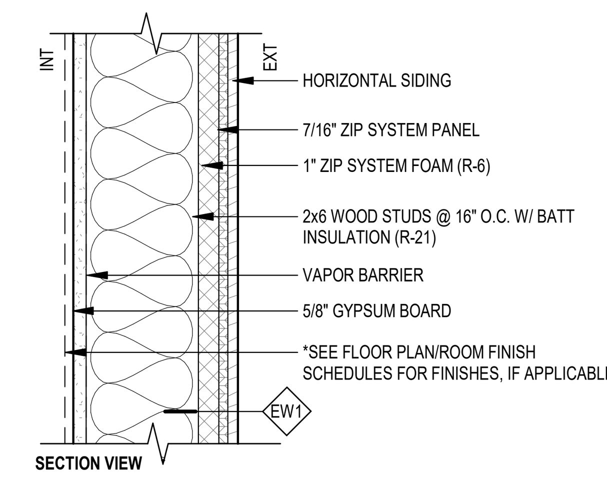
WALL TYPES LEGEND

WALL TAG

XY# — WALL SERIES; SERIES #; SUBSCRIPT, WHERE APPLICABLE

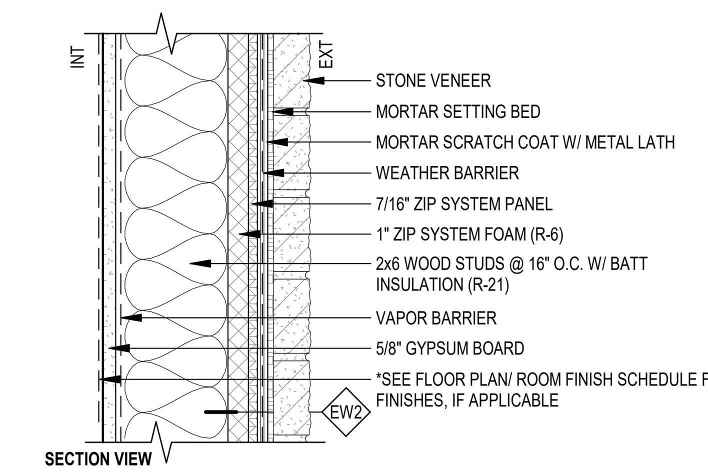
WALL TAG SUBSCRIPT LEGEND

NONE	TYPICAL
##"	HEIGHT
X	NOTE REFERENCE



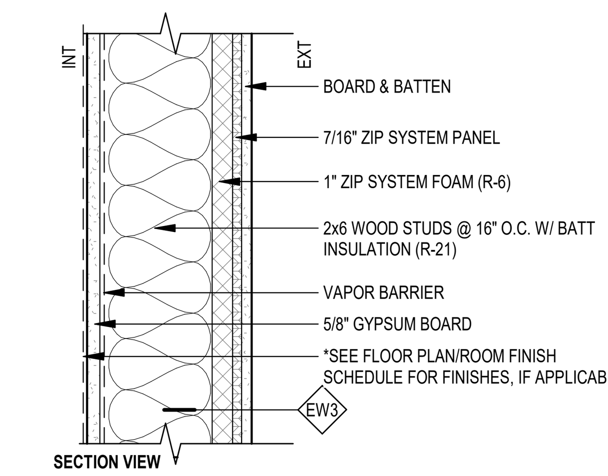
EW1 **EXTERIOR STUD WALL**

- **STUDS:** 2x6 WOOD STUDS @ 16" O.C.
- **EXTERIOR FINISH:** 8" LAP SIDING
- **EXTERIOR SHEATHING:** ZIP SYSTEM R-SHEATHING
- **AVAILABLE FIRE RATING:**
- **DIMENSIONS:** DIMENSION TO EXTERIOR FACE OF STUD



EW2 **EXTERIOR STUD WALL**

- **STUDS:** 2x6 WOOD STUDS @ 16" O.C.
- **EXTERIOR FINISH:** STONE VENEER (STICK ON)
- **EXTERIOR SHEATHING:** ZIP SYSTEM R-SHEATHING
- **AVAILABLE FIRE RATING:**
- **DIMENSIONS:** DIMENSION TO EXTERIOR FACE OF STUD



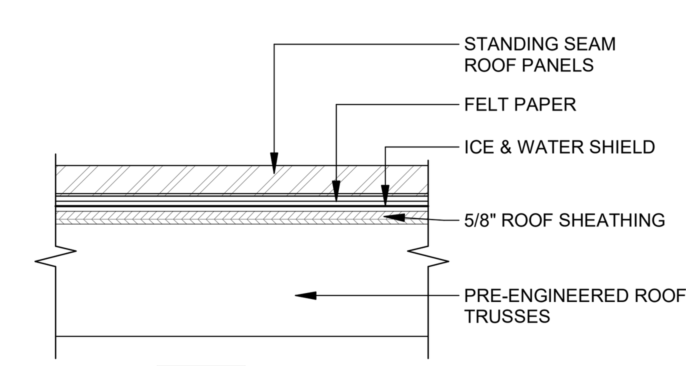
EW3 **EXTERIOR STUD WALL**

- **STUDS:** 2x6 WOOD STUDS @ 16" O.C.
- **EXTERIOR FINISH:** BOARD & BATTEN
- **EXTERIOR SHEATHING:** ZIP SYSTEM R-SHEATHING
- **AVAILABLE FIRE RATING:**
- **DIMENSIONS:** DIMENSION TO EXTERIOR FACE OF STUD

WALL TYPES SCHEDULE (XY#)

WALL TAG	FUNCTION	DESCRIPTION	STRUCTURE: MATERIAL	STRUCTURE: WIDTH	OVERALL WIDTH	TESTS & RATINGS: FIRE RATING	TESTS & RATINGS: STC Rating	TESTS & RATINGS: SOUND TEST	TESTS & RATINGS: UL #	COMMENTS
A4	Interior	INTERIOR 2X4 WOOD STUD PARTITION WALL	WOOD STUDS	3 1/2"	4 3/4"	1 HR	33	RAL-TL11-172	UL U305	
A6	Interior	INTERIOR 2X6 WOOD STUD PARTITION WALL	WOOD STUDS	5 1/2"	6 3/4"	1 HR	33	RAL-TL11-172	UL U305	
EW1	Exterior	EXTERIOR 2X6 WALL W/ LAP SIDING	WOOD STUDS	5 1/2"	8 1/8"	1 HR	N/A	N/A	UL U305	CONTINUOUS INSULATION ON EXTERIOR SIDE OF WALL
EW2	Exterior	EXTERIOR 2X6 WALL W/ STONE VENEER	WOOD STUDS	5 1/2"	9 5/8"	1 HR	N/A	N/A	UL U305	CONTINUOUS INSULATION ON EXTERIOR SIDE OF WALL
EW3	Exterior	EXTERIOR 2X6 WALL W/ BOARD & BATTEN	WOOD STUDS	5 1/2"	8 1/8"	1 HR	N/A	N/A	UL U305	CONTINUOUS INSULATION ON EXTERIOR SIDE OF WALL
F4	Interior	2X4 WOOD STUD FURRING WALL	WOOD STUDS	3 1/2"	4 1/8"					

ROOF TYPE



RF-01 ROOF TYPE

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MICHAEL J. ANGLAND <XX-XX-XX> LIC#: 45375

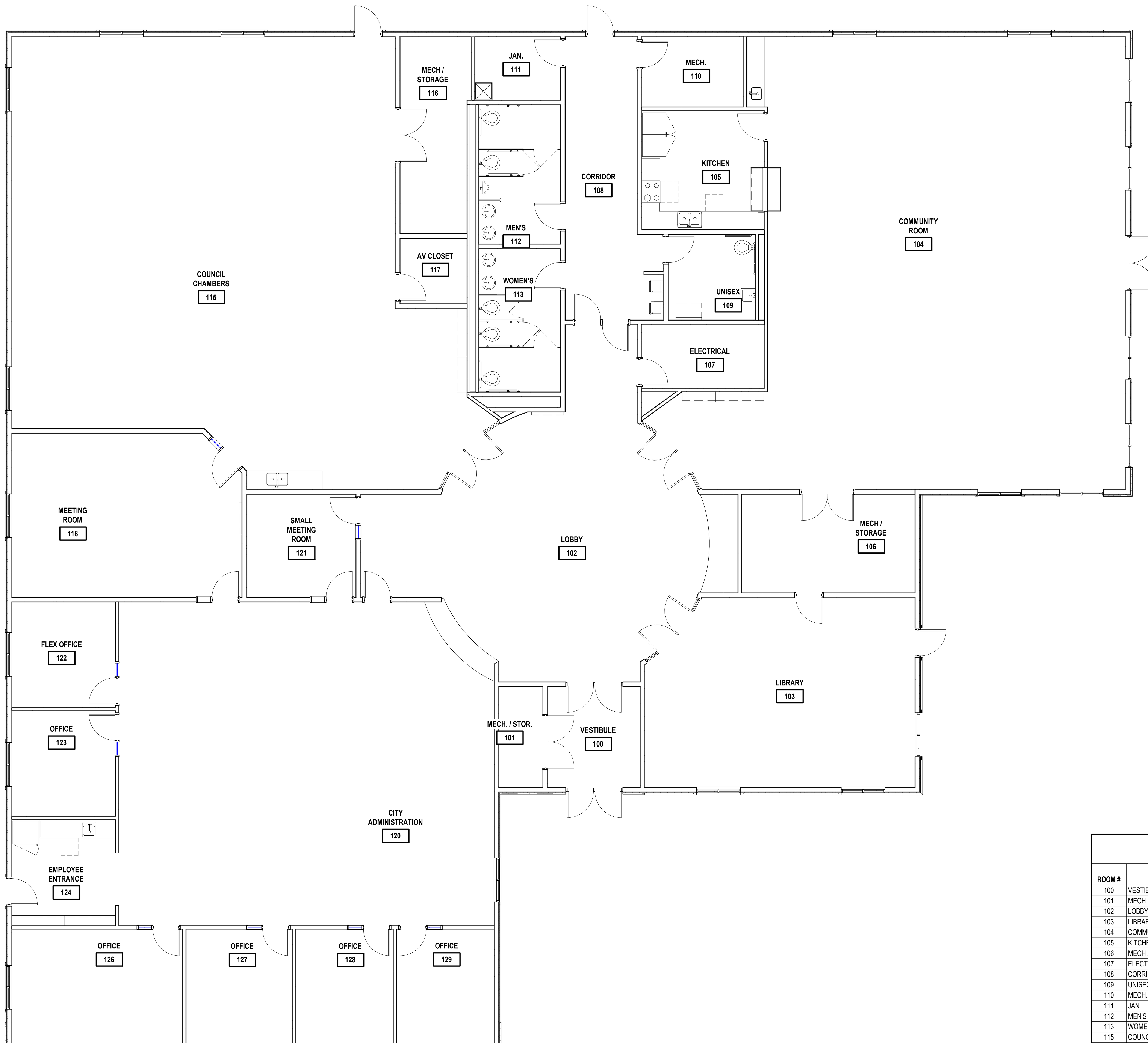
DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: JANUARY 5, 2024
SCALE: AS NOTED
DRAWN BY: T.J.S.
CHECKED BY: M.J.A.
JOB NUMBER: 2023-11990

BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

WALL, PARTITION, AND ROOF TYPES

SHEET NO.
A9.30



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

GENERAL FINISH PLAN NOTES:

- ALL FLOORING TRANSITIONS SHALL BE CENTERED UNDER DOOR IN CLOSED POSITION, UNLESS NOTED OTHERWISE.
- ALL EXPOSED ENDS OF CASEWORK TO HAVE FINISHED END PANELS.
- SEE REFLECTED CEILING PLANS FOR CEILING, SOFFIT AND BULKHEAD LOCATIONS AND FINISHES.
- BULKHEADS AND SOFFITS - ALL SIDES AND UNDERSIDES TO BE PAINTED TO PAINT COLOR INDICATED, UNLESS NOTED OTHERWISE
- INSTALL FLOORING PER PATTERNS SHOWN ON FINISH PLANS. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- WOOD DOORS, FRAMES AND BASE MOLDING TO BE FILLED, STAINED, SEALED AND SHOP FINISHED TO MATCH PROVIDED SAMPLE. WORK SHOULD BE PERFORMED IN A DUST FREE ROOM.
- PAINT ALL EXPOSED DUCTWORK, CONDUIT, ETC, TO MATCH ADJACENT SURFACES, UNLESS NOTED OTHERWISE.
- EXTEND ALL FLOORING UNDER BUILT-IN FURNITURE AND CASEWORK UNLESS NOTED OTHERWISE.
- INSTALL ALL FLOORING TYPES PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS AND/OR METHODS.
- SPECIFIED PRODUCTS AND FINISHES MAY HAVE SUBSTANTIAL LEAD TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ORDERS IN A TIMELY MANNER TO KEEP THE PROJECT ON SCHEDULE. CONTRACTOR WILL BE RESPONSIBLE FOR EXPENSES AND DESIGN FEES, RELATED TO ANY RESELECTIONS REQUIRED DUE TO FAILURE TO ORDER PRODUCTS IN A TIMELY MANNER.
- ALL FINISH WORK SHALL BE PERFORMED IN COMPLIANCE WITH SPECIFICATIONS AND DRAWINGS. SHOP DRAWING SUBMITTALS, SAMPLES AND PRODUCT DATA SHALL BE SUBMITTED TO THE ARCHITECT FOR THEIR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK
- SHEE "G" SHEETS FOR TYPICAL MOUNTING HEIGHTS

FINISH PLAN LEGEND

Name ### B: Base Finish F: Floor Finish W: Wall Finish NOTE: This is a sample comment	ROOM FINISH TAG: FINISHED LISTED APPLY TO ALL ELEMENTS IN THE ROOM, UNO
?	THIS SYMBOL APPLIES TO FINISHES DIFFERENT FROM THOSE NOTED IN THE ROOM FINISH TAG ABOVE
	DENOTES DIRECTION OF FLOORING INSTALLATION PATTERN
OR	DENOTES LOCATION OF CORNER GUARDS

INTERIORS MATERIAL ID LIST

SPEC #	XXX-##	MATERIAL TYPE	MANF.	MODEL/STYLE	SIZE	COLOR/FINISH	ADDITIONAL INFO
09 5100	ACT-1	ACOUSTICAL CEILING TILE					
09 5100	AFC-1	ACOUSTICAL FELT CEILING					
03 3000	CONC	SEALED CONC.					
09 6800	CPT-1	CARPET TILE					
09 6813	CPT-2	WALK-OFF CARPET TILE					
	CT-1	CERAMIC TILE					
	CT-2	CERAMIC TILE					
	CT-3	CERAMIC TILE					
09 7000	FRP-1	FIBERGLASS REINFORCED PANEL					
	LVT-1	LUXURY VINYL TILE					
	PLAM-1	LAMINATE					
	PLAM-2	LAMINATE					
	PT-1	PAINT					
	PT-2	PAINT					
09 3016	QT-1	QUARTZ					
	VWC-1	VINYL WALL COVERING					
	WB-1	WOOD BASE					

ROOM FINISH SCHEDULE

				NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			
ROOM #	ROOM NAME	FLOOR FINISH	BASE MATERIAL	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	CEILING HEIGHT	COMMENTS
100	VESTIBULE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
101	MECH. / STOR.	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
102	LOBBY	CT	WB	GYP	VWC-1/PT	GYP	VWC-1/PT	GYP	VWC-1/PT	GYP	VWC-1/PT	ACT/AFT		VARIES	
103	LIBRARY	CPT	WB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
104	COMMUNITY ROOM	LVT	RB	GYP	FRP	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
105	KITCHEN	LVT	RB	GYP	FRP	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
106	MECH / STORAGE	LVT	RB	GYP	FRP	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
107	ELECTRICAL														
108	CORRIDOR	CT	WB	GYP	VWC-1/PT	GYP	VWC-1/PT	GYP	VWC-1/PT	GYP	VWC-1/PT	ACT		9'-0"	
109	UNISEX	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
110	MECH.														
111	JAN.														
112	MEN'S	CT	CT	GYP	CT/PT	GYP	CT/PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
113	WOMEN'S	CT	CT	GYP	CT/PT	GYP	PT	GYP	PT	GYP	CT/PT	GYP	PT	10'-0"	
115	COUNCIL CHAMBERS	CPT	WB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT/AFT		VARIES	
116	MECH / STORAGE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
117	AV CLOSET	LVT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	GYP	PT	10'-0"	
118	MEETING ROOM	CPT	WB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
120	CITY ADMINISTRATION	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
121	SMALL MEETING ROOM	CPT	WB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
122	FLEX OFFICE														
123	OFFICE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
124	EMPLOYEE ENTRANCE	LVT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
126	OFFICE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
127	OFFICE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
128	OFFICE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	
129	OFFICE	CPT	RB	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT		9'-0"	

GRAPHIC SCALE
0' 12' 24'

N E S W
TRUE NORTH

WIDSETH
ARCHITECTS • ENGINEERS • SCIENTISTS • SURVEYORS

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FIRST LEVEL FINISH PLAN

SHEET NO.
A10.10

GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- NUMBER OF DETAIL ON SHEET
- NUMBER OF SHEET WHERE DETAIL APPEARS
- KEYNOTE
- CONTINUATION SYMBOL
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT
- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE TAG
- BELOW GROUND PIPING
- INVERT: -105' - 1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED

ABBREVIATIONS

Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
E/A	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LB/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M/A	MIXED AIR
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	POWER
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER
SF	SQUARE FOOT
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

DAMPER TAGS

- COMB. FIRE/SMOKE DAMPER
- FIRE DAMPER
- SMOKE DAMPER
- MANUAL BALANCING DAMPER
- MOTORIZED DAMPER
- BACKDRAFT DAMPER
- 12x12 SA

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

HVAC SYMBOLS

18x12	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
18/12	OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
18Ø	ROUND DUCT SIZE TAG (DIAMETER)
(E)	EXISTING DUCT TAG
	DUCT BEING DEMOLISHED
18x18 SA	SUPPLY AIR
18x18 S-OA	CONDITIONED OUTSIDE AIR
18x18 OA	OUTSIDE AIR
18x18 RA	RETURN AIR
18x18 TA	TRANSFER AIR
18x18 EA	EXHAUST AIR
18x18 LA	RELIEF AIR
18x18 GEA	GREASE EXHAUST AIR
18x18 CEA	CONDENSATE EXHAUST AIR
18x18 SEA	SMOKE EXHAUST AIR
8Ø FLUE	EXHAUST GAS FLUE
6Ø CA	COMBUSTION AIR
DROP	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
DROP	ROUND SUPPLY/OUTSIDE AIR DUCT RISE
DROP	RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
DROP	ROUND RETURN/TRANSFER AIR DUCT RISE
DROP	RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
DROP	ROUND EXHAUST/RELIEF AIR DUCT RISE

GRILLES, REGISTERS & DIFFUSERS TAGS

- TYPE (SEE SCHEDULE)
- 3-CONE DIFFUSER — SD1 | 400 — 10 / 24x24 — 22 | H-5/7/14 — CFM; NECK SIZE / MODULE SIZE; THROW-150FPM/ 100FPM/ 50FPM; THROW PATTERN; MAX NC RATING
- PERFORATED DIFFUSER WITH DEFLECTORS — SD3 | 300 — 10 / 24x24
- RG2 | 500 — 12x10 / 24x24 — 18 — EGGCRATE RETURN GRILLE
- ROUND DIFFUSER WITH ADJUSTABLE PATTERNS — SD9 | 400 — 12 / ---
- LOUVERED DOUBLE DEFLECTION GRILLE — SG5 | 500 — 12x10
- RG11 | 500 — 12x10 / 24x24 — LOUVERED GRILLE
- LINEAR BAR GRILLE — SG-1 | 400 — 48x3
- LINEAR DIFFUSER TAG
- TYPE (SEE SCHEDULE) — LSD1 | 200 — 1 / 4' - 0" / 8 — 8' - 0"AFF — CFM; NUMBER OF SLOTS / ACTIVE SLOT LENGTH (PLENUM LENGTH) / NECK SIZE; ELEVATION (CENTER OF FACE); SECTION TOTAL TRACK LENGTH
- LSD1 | 200 — 1 / 4' - 0" / 8
- 6' - 0"
- LINEAR SLOT DIFFUSER — LSD1 | 200 — 1 / 4' - 0" / 8

MECHANICAL EQUIPMENT TAGS

- HEATING COIL FLOW — M769 — Htg: 3.7 GPM
- VAV BOX
- BOTTOM OF EQUIPMENT ELEVATION — M769 — 10' - 0"
- EXISTING EQUIPMENT TO REMAIN — (E)M770
- EXISTING RELOCATED EQUIPMENT — (R)M773
- EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATION) — M771 — EQUIPMENT ID
- OPERATING WEIGHT NOT INCLUDING CURB — M772 — 590 lb
- NOMINAL COOLING CAPACITY — M772 — 4.0 ton — ROOFTOP UNIT
- FUEL INPUT GAS PIPE FLOW — M772 — 115000 Btu/h — 115 CFH

DATA DEVICE TAGS

SYMBOL

TS	C3H3
HS	CH4
TC	CO2
TH	CO
T	H2
H	H2S
O2	HZG
	NO2

PLUMBING AND PIPING SYMBOLS

CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CD	CONDENSATE DRAINAGE
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
NG	NATURAL GAS
PG	PROPANE GAS
REF-L	REFRIGERANT-LIQUID
REF-S	REFRIGERANT-SUCTION
REF-HG	REFRIGERANT-HOT GAS
STM	STEAM
CDR	CONDENSATE RETURN
CWV	COMBINATION WASTE & VENT
CA	COMPRESSED AIR
CW	DOMESTIC COLD WATER
HCW	HARD COLD WATER
SCW	SOFT COLD WATER
FCW	FILTERED COLD WATER
RO	REVERSE OSMOSIS WATER
HW	HOT WATER
HW 140°	HOT WATER 140°
HW-R	HOT WATER RECIRCULATION
HW-R 140°	HOT WATER RECIRCULATION 140°
GV	GREASE VENT
GW	GREASE WASTE
IW	INDIRECT WASTE
OV	OIL VENT
OW	OIL WASTE
PD	PUMP DISCHARGE
V	SANITARY VENT
SS	SANITARY SEWER
SHWR	SOLAR HOT WATER RETURN
SHWS	SOLAR HOT WATER SUPPLY
SD	STORM DRAINAGE
OSD	OVERFLOW STORM DRAINAGE

- PIPE DROP
- PIPE RISE
- PIPE TEE
- CAP
- 4" — 2" — PLUG
- REDUCING 45 DEGREE TEE
- 4" — 45 DEGREE TEE

PIPE ACCESSORY TAGS

- 4" FCO
- SWING CHECK
- CHECK VALVE
- (ALTERNATE CHECK VALVE SYMBOL)
- BALANCING VALVE
- CIRCUIT SETTER
- RECIRC. VALVE
- GATE VALVE
- QUICK OPENING
- LOCK SHIELD VALVE
- BALL VALVE
- STRAINER
- TRAP PRIMER
- ELEC. CONTROL
- THERMOSTATIC MIXING
- EMERG. THERMOSTATIC
- PRESS REDUCING
- DOM. WATER METER
- IRRIGATION WATER METER
- 3-WAY ELEC. CONTROL
- EMERG. GAS SHUTOFF
- PLUG VALVE
- GAS SHUTOFF COCK
- PRESS REGULATOR
- BUTTERFLY VALVE
- GLOBE VALVE
- DOUBLE CHECK VALVE
- REDUCED PRESSURE ZONE

DRAIN TAGS

- FLOOR DRAIN — 4" FD-1 — TYPE (SEE SCHEDULE)
- TRAP PRIMER — 4" FD-3P — "P" - INDICATES PRIMER CONNECTION
- DEEP TRAP — 4" FD-3 — 8 DFU — FIXTURE UNITS
- INTEGRAL CLEANOUT
- DRAIN SIZE
- HUB DRAIN — 4" FD-14
- FLOOR SINK — 4" FS-4
- ROOF AREA SERVED BY DRAIN — 6" RD-1 — 4000 SF
- 4" AD-2 — AREA DRAIN NO TRAP
- 4" SD-29 — DECK DRAIN
- 4" RD-12 — FLOW CONTROL DRAIN
- 4" RD-15 — STORM DRAIN
- COMBINATION DRAINS

PLUMBING FIXTURE TAGS

- TYPE (SEE SCHEDULE) — LAV-1A
- FIXTURE UNITS — 0.75 CWFU — 0.75 HWFU
- LAV-1A — 1 DFU
- WATER CLOSET - WALL HUNG - ADA — WC-1A
- WC-1
- UR-1
- PIPE ACCESSORY TAG
- 4" WCO
- 4" WCO

PROJECT GENERAL NOTES

A	COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
B	FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
C	LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
D	LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS. TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
E	PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED IN CSFM STANDARD 43-1 AND SHALL BE U.L. LISTED.
F	PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
G	MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
H	ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
I	PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
J	FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
K	INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
L	LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
M	INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
N	THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER.
O	PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT, PLUMBING FIXTURES, AND DIFFUSERS.
P	CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
Q	PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

PLUMBING NOTES

A	PITCH UNDERFLOOR SANITARY WASTE PIPING AT 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
B	FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
C	ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER, AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0 FROM BUILDING UNLESS NOTED OTHERWISE.
D	WASTE AND VENT PIPING BELOW AND THROUGH FLOOR SHALL BE 2" MINIMUM.
E	PROVIDE CLEANOUTS IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.
F	THIS PLAN IS DIAGRAMMATIC IN NATURE AND SHALL NOT BE SCALED TO DETERMINE THE LOCATION OR DIMENSION OF THE WORK. CONTRACTOR SHALL VERIFY EXACT LOCATION OF PIPING AND PENETRATIONS.
G	ALL WALL-MOUNTED ACCESS PANELS SHALL BE LOCKABLE TYPE.
H	MAINTAIN MINIMUM 10-0" SEPARATION BETWEEN FLUE AND PLUMBING VENT OUTLETS AND ANY FRESH AIR INTAKE. COORDINATE WITH HVAC CONTRACTOR.
I	FLOORS SHALL SLOPE TO DRAINS AT 1% MINIMUM SLOPE. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.
J	PROVIDE WALL CLEAN OUTS IN ALL VENT RISERS ON BRANCHES LONGER THAN 5'-0" AND ON BRANCHES SERVING SINKS OR URINALS.
K	SEE RISER DIAGRAMS FOR PIPE SIZING.

HVAC SHEET NOTES

A	SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
B	CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 5'-0 AFF, A MINIMUM OF 8" FROM LIGHT SWITCH.
C	REFER TO HVAC DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
D	CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE 'L' COPPER.
E	ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
F	COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH NEW AND EXISTING LIGHTING.
G	PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY BLOW PATTERN UNLESS NOTED OTHERWISE.
H	PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
I	THE CONTRACTOR SHALL BE REQUIRED TO REPLACE AIR FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO FINAL PUNCHLIST.
J	MAINTAIN MINIMUM SEPARATION BETWEEN OUTSIDE AIR INTAKES OR OTHER OPENINGS INTO THE BUILDING AND OTHER ELEMENTS AS REQUIRED AND AS FOLLOWS: PLUMBING VENTS AND EXHAUST OUTLETS = 10'-0 SEPARATION, ENVIRONMENTAL AIR OUTLETS AND DOMESTIC DRYERS VENTS = 3'-0 SEPARATION.
K	CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPLETE AND WORKING SYSTEM.
L	INSTALL, SUPPORT, & BRACE NEW DUCTWORK AND ACCESSORIES PER SMACNA GUIDELINES.
M	DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL MAKE ALLOWANCE FOR ANY INTERIOR LINING, INSULATION, ETC.
N	ALL NEW DUCT ELBOWS SHALL BE RADIUS TYPE. WHERE NECESSARY, CONTRACTOR MAY SUBSTITUTE MITERED ELBOWS WITH TURNING VANES.
O	PROVIDE FLAT BLADE MANUAL VOLUME DAMPERS AT ALL TERMINAL DUCT BRANCHES AND AS INDICATED.
P	INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. ROOFTOP EQUIPMENT SHALL BE LOCATED NO CLOSER THAN 10'-0" FROM THE ROOF EDGE.
Q	ALL PRIMARY CONDENSATE DRAIN PIPING SHALL BE INSULATED TO A MINIMUM THICKNESS OF 1/2" AND SHALL INCLUDE A VAPOR RETARDANT OUTSIDE THE INSULATION. SEAL ALL JOINTS AND PENETRATIONS.
R	COORDINATE ALL EXTERIOR PENETRATIONS INCLUDING ROOF PENETRATIONS WITH OTHER TRADES TO PROVIDE A COMPLETE AND FULLY WEATHER-PROOF INSTALLATION.
S	ALL TRANSFER DUCTWORK SHALL BE INTERNALLY LINED WITH MINIMUM 1/2" ACOUSTIC LINING.
T	CONTRACTOR SHALL ENGAGE A TESTING AND BALANCE FIRM CERTIFIED BY AABC TO PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM ACCORDING TO THE PROCEDURES CONTAINED IN AABC'S "NATIONAL STANDARDS.
U	FOR TESTING AND BALANCING HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS" AND PROVIDE TWO COPIES OF THE CERTIFIED TAB REPORTS.

MECHANICAL SHEET INDEX

\# OF SHEETS: 7

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ADAM M SIEMERS
LIC#: 52730

DATE	REV#	REVISIONS DESCRIPTION	BY

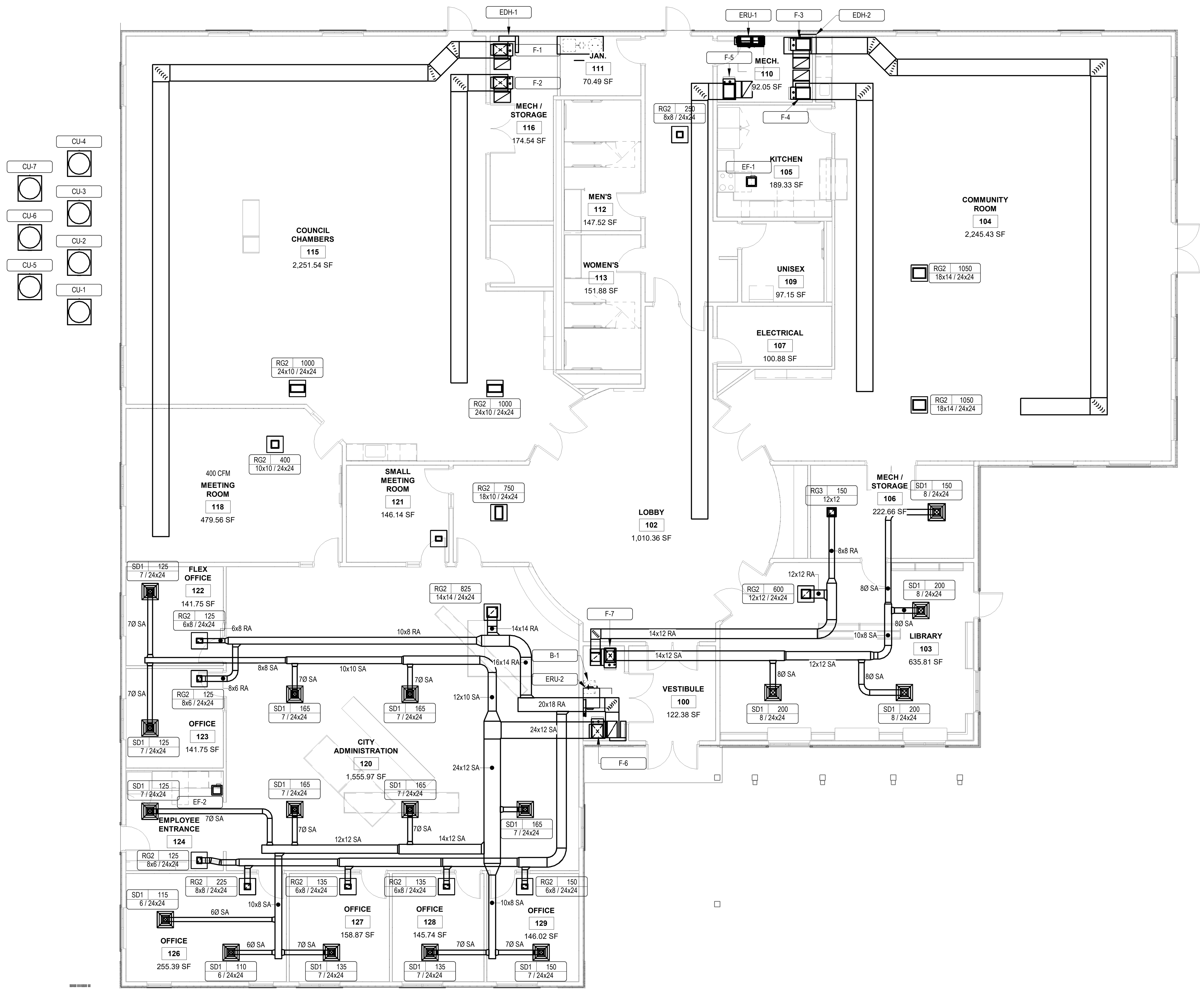
DATE:	JANUARY 5, 2024
SCALE:	AS NOTED
DRAWN BY:	JDO
CHECKED BY:	AMS
JOB NUMBER:	2023-11990

BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

MECHANICAL TITLE SHEET

SHEET NO.
MP0.00

KEYNOTES



1 FIRST LEVEL HVAC PLAN

1/8" = 1'-0"

TRUE NORTH

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BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

FIRST LEVEL HVAC PLAN

SHEET NO.

M1.10

FURNACE SCHEDULE

GENERAL			MECHANICAL												
MARK	LOCATION	APPLICATION	CFM	OA CFM	DRIVE	ESP	FAN HP	GAS INPUT (MBH)	GAS OUTPUT (MBH)	GAS INPUT (2 STAGE)	GAS OUTPUT (2 STAGE)	CONFIGURATION	MANUFACTURER	MODEL NO.	NOTES
F-1	MECH/STOR 116				DIRECT		1	24	24	60.6	60	UPFLOW	CARRIER	59MN7C 060C21--20	
F-2	MECH/STOR 116				DIRECT		1	24	24	60.6	60	UPFLOW	CARRIER	59MN7C 060C21--20	
F-3	MECH 110				DIRECT		1	24	24	60.6	60	UPFLOW	CARRIER	59MN7C 060C21--20	
F-4	MECH 110				DIRECT		1	24	24	60.6	60	UPFLOW	CARRIER	59MN7C 060C21--20	
F-5	MECH 110				DIRECT		1	24	24	60.6	60	UPFLOW	CARRIER	59MN7C 060C21--20	
F-6	MECH/STOR 101				DIRECT		1	24	24	60.6	60	UPFLOW	CARRIER	59MN7C 060C21--20	
F-7	MECH/STOR 101				DIRECT		1/2	24	24	60	59	UPFLOW	CARRIER	59MN7C 060C17--14	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
F-1													
F-2													
F-3													
F-4													
F-5													
F-6													
F-7													

CONDENSING UNIT SCHEDULE (AIR COOLED)

GENERAL		MECHANICAL						
MARK	APPLICATION	CAPACITY (MBH)	VARIABLE SPEED CAPACITY	COMPRESSOR TYPE	SEER/EER	MANUFACTURER	MODEL NO.	NOTES
CU-1	F-1	48	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 48-30	1
CU-2	F-2	36	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 36-30	1
CU-3	F-3	48	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 48-30	1
CU-4	F-4	36	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 36-30	1
CU-5	F-5	36	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 36-30	
CU-6	F-6	48	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 48-30	1
CU-7	F-7	24	40-100%	INVERTER SCROLL	20.5/15.5	CARRIER	24VNAO 24-30	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
CU-1													
CU-2													
CU-3													
CU-4													
CU-5													
CU-6													
CU-7													

NOTES:

1. LONG LINESET

ENERGY RECOVERY UNIT SCHEDULE

GENERAL			MECHANICAL		SUMMER DESIGN				WINTER DESIGN							
MARK	LOCATION	APPLICATION	OUTSIDE AIR CFM	EXHAUST AIR CFM	OA EAT DB/WB	OA LAT DB/WB	EA EAT DB/WB	EA LAT DB/WB	OA EAT DB/WB	OA LAT DB/WB	EA EAT DB/WB	EA LAT DB/WB	AIR PRESSURE DROP (IN. W.C.)	MANUFACTURER	MODEL NO.	NOTES
ERU-1	MECH 110	F-5	450	450										RENEWAIRE	HE07INH	
ERU-2	MECH/STOR 101	F-6	300	300										RENEWAIRE	EV300	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
ERU-1													
ERU-2													

ELECTRIC DUCT HEATER SCHEDULE

GENERAL			MECHANICAL						
MARK	LOCATION	APPLICATION	HEATING CFM	SUPPLY FPM	KW	HEATING STAGES	MANUFACTURER	MODEL NO.	NOTES
EDH-1		F-1					INDEECO	QUZ	
EDH-2	MECH 110	F-3					INDEECO	QUZ	
EDH-3	MECH/STOR 101	F-6					INDEECO	QUZ	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
EDH-1													
EDH-2													
EDH-3													

BOILER SCHEDULE

GENERAL			MECHANICAL											
MARK	LOCATION	APPLICATION	FUEL	INPUT MBH	OUTPUT MBH	RATED HP	GPM	PD FT	EWT (°F)	LWT (°F)	FLUE SIZE (IN)	MANUFACTURER	MODEL NO.	NOTES
B-1	MECH/STOR 101	SNOW MELT										LOCHINVAR	WHB110N	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
B-1													

INFLOOR MANIFOLD SCHEDULE

GENERAL			MECHANICAL										
MARK	LOCATION	APPLICATION	ZONE #	AREA (SF)	AVERAGE LENGTH	TUBE SPACING (IN)	TUBING	NO. OF LOOPS	FLOW (GPM)	HEAD (FT)	TEMP DROP (°F)	MBH TOTAL	NOTES
MAN-1	MECH/STOR 101	SNOW MELT											

PUMP SCHEDULE

GENERAL			MECHANICAL													
MARK	LOCATION	APPLICATION	TYPE	GPM	DESIGN HEAD (FT)	100% FLOW FT/GPM	SHUTOFF HEAD (FT)	SUCTION DISCHARGE (IN)	IMPELLER DIAMETER (IN)	FLUID	MOTOR HP	MOTOR RPM	CONN. SIZE (IN)	MANUFACTURER	MODEL NO.	NOTES
CP-1	MECH/STOR 101	SNOW MELT												BELL & GOSSETT	ECOCIRC XL 36-45	
RCP-1		DOMESTIC RECIRC												BELL & GOSSETT	NBF-12	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
CP-1													
RCP-1													

EXHAUST FAN SCHEDULE

GENERAL			MECHANICAL								
MARK	LOCATION	APPLICATION	FAN TYPE	CFM	EXT SP (IN)	DRIVE	FAN (RPM)	FAN HP	MANUFACTURER	MODEL NO.	NOTES
EF-1	KITCHEN 105			75					GREENHECK	SP-LP0511	
EF-2	EMPLOYEE ENTRANCE 124			75					GREENHECK	SP-LP0511	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
EF-1													
EF-2													

EXPANSION TANK SCHEDULE

GENERAL			MECHANICAL									
MARK	LOCATION	APPLICATION	TYPE	SERVICE	CAPACITY (GAL)	TANK ACCEPTANCE	SIZE DIA. x HEIGHT (IN)	RV SETTING (PSI)	CONNECTION	MANUFACTURER	MODEL NO.	NOTES

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	SPECIFICATION	NOTES
RG2	EGGCRATE RETURN GRILLE	Titus	50F	1/2"x1/2"x1" EGGCRATE GRID.	
RG3	EGGCRATE RETURN GRILLE	Titus	50F	1/2"x1/2"x1/2" EGGCRATE GRID.	
SD1	3-CONE DIFFUSER	Titus	TMS-AA	HIGH PERFORMANCE 3-CONE DIFFUSER	

WATER HEATER SCHEDULE

GENERAL			MECHANICAL			ELECTRIC				
MARK	LOCATION	APPLICATION	STORAGE CAPACITY	GPH RECOVERY	TEMP RISE (°F)	NO. OF ELEMENTS	KW	MANUFACTURER	MODEL NO.	NOTES
WH-1			40					BRADFORD WHITE	LE340S3-3	

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
WH-1													

WATER SOFTENER SCHEDULE

GENERAL			MECHANICAL	FLOW RATES CONTINUOUS		FLOW RATES PEAK			PIPE SIZE						
MARK	LOCATION	APPLICATION	EXCHANGE CAPACITY (MAX GRAINS)	GPM	PSI DROP	GPM	PSI DROP	BACKWASH GPM	SERVICE (IN)	MAIN (IN)	RESIN CU. FT	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL NO.	NOTES
WS-1															

MARK	ELECTRICAL VOLTAGE/PHASE	TOTAL ELEC. LOAD	CONTROL TYPE	CONTROL BY	STARTER TYPE/SIZE	STARTER BY	STARTER LOCATION	DISCONNECT TYPE/SIZE	DISCONNECT BY	FEEDER SIZE	POWER SOURCE	OVERCURRENT DEVICE	NOTES
WS-1													

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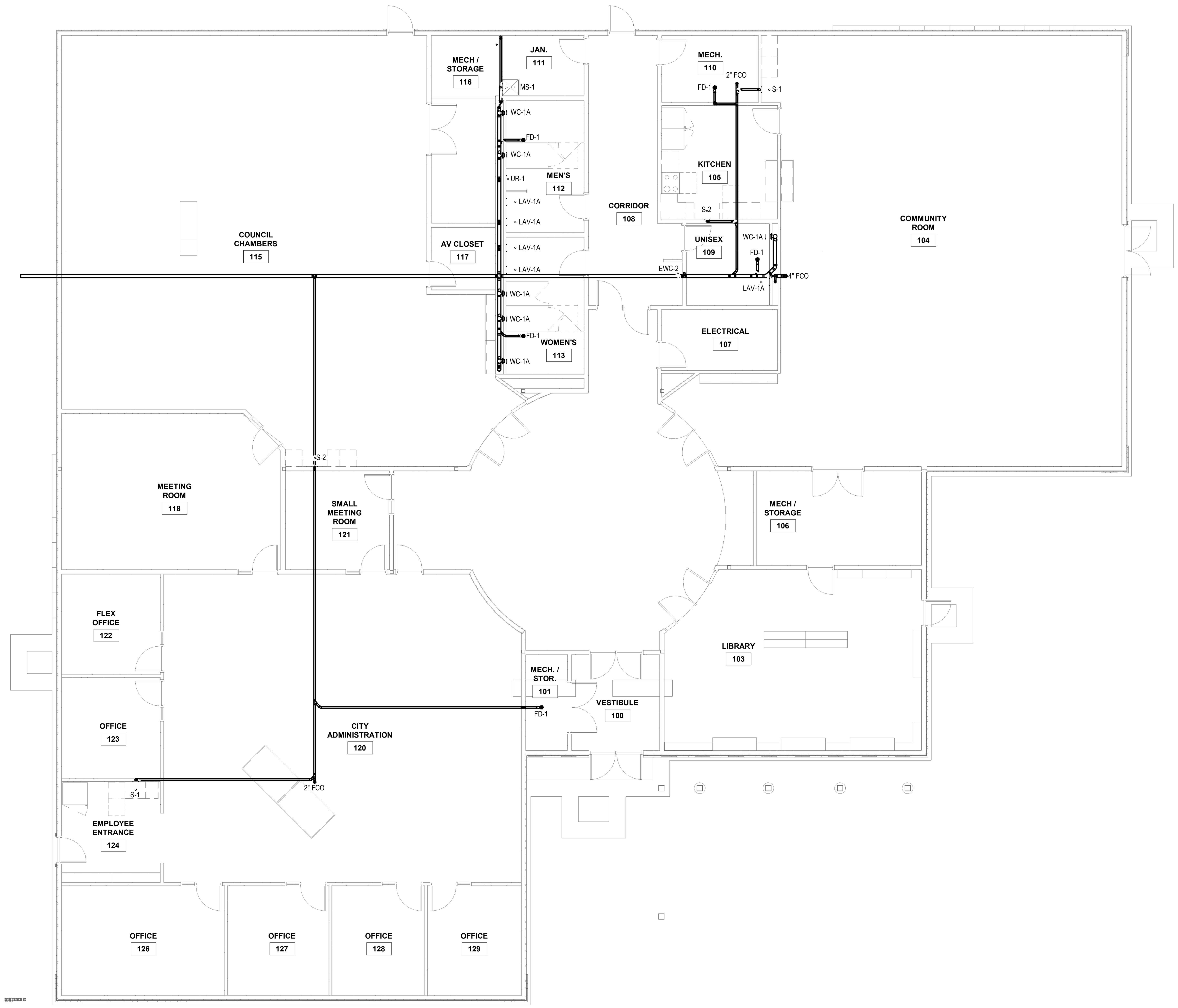
BREEZY POINT CITY HALL
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

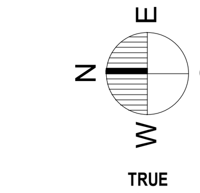
HVAC SCHEDULES

SHEET NO.
M6.10

KEYNOTES



1 UNDERGROUND PLUMBING PLAN
1/8" = 1'-0"



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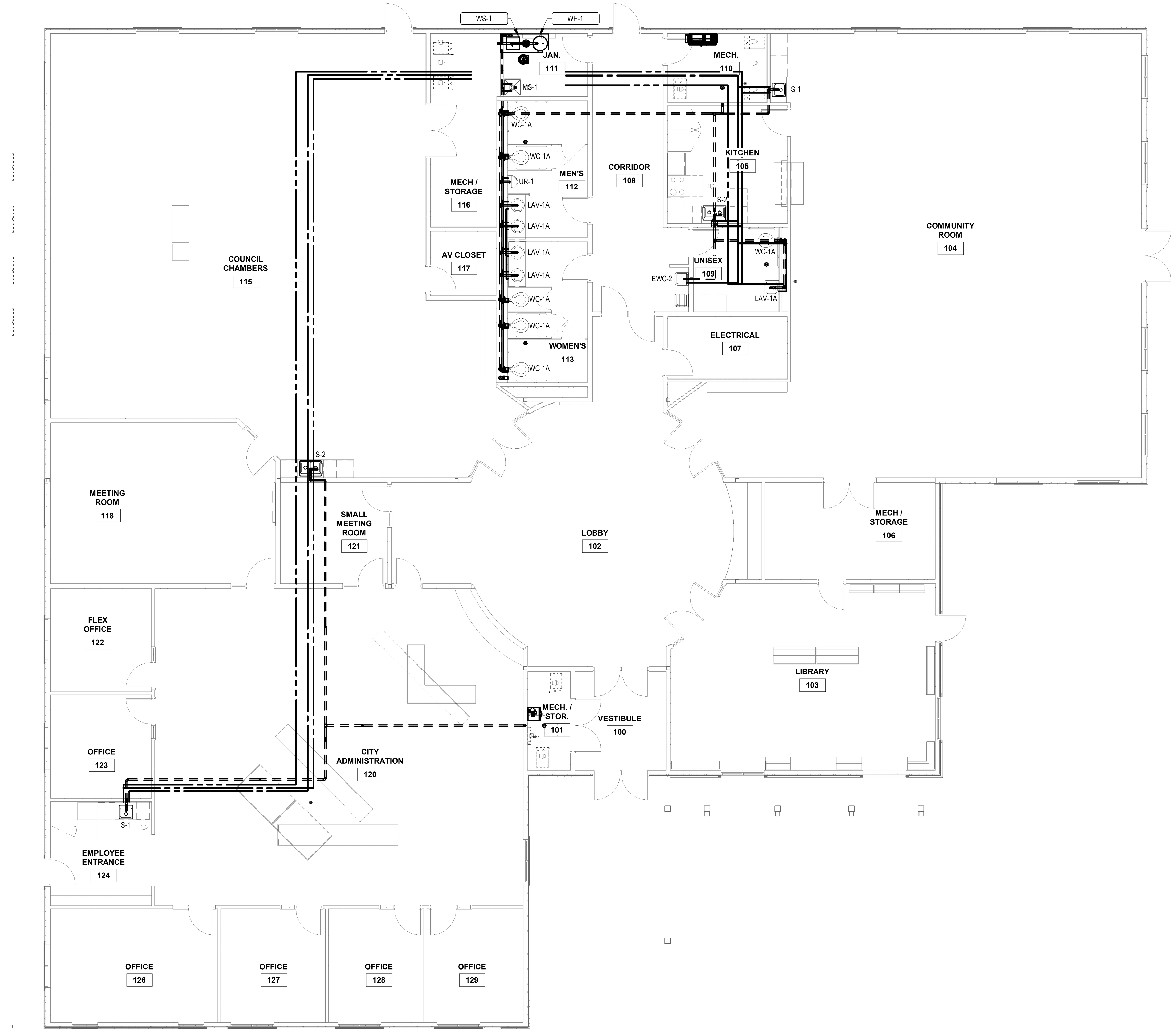
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

UNDERFLOOR PLUMBING PLAN

SHEET NO.
P1.00

KEYNOTES



1 FIRST LEVEL PLUMBING PLAN

1/8" = 1'-0"

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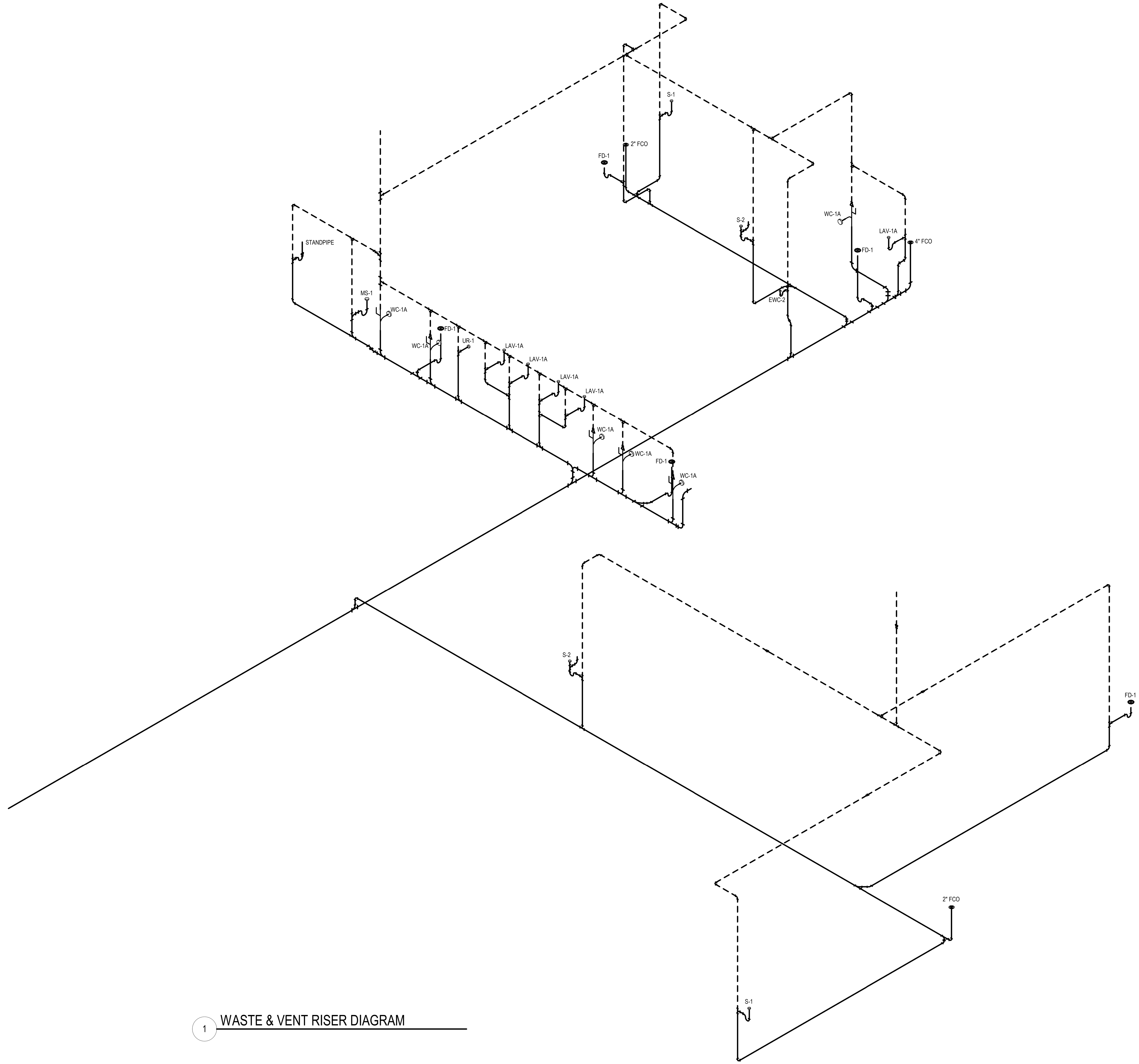
CITY OF BREEZY POINT
8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

FIRST LEVEL PLUMBING PLAN

SHEET NO.
P1.10



1 WASTE & VENT RISER DIAGRAM

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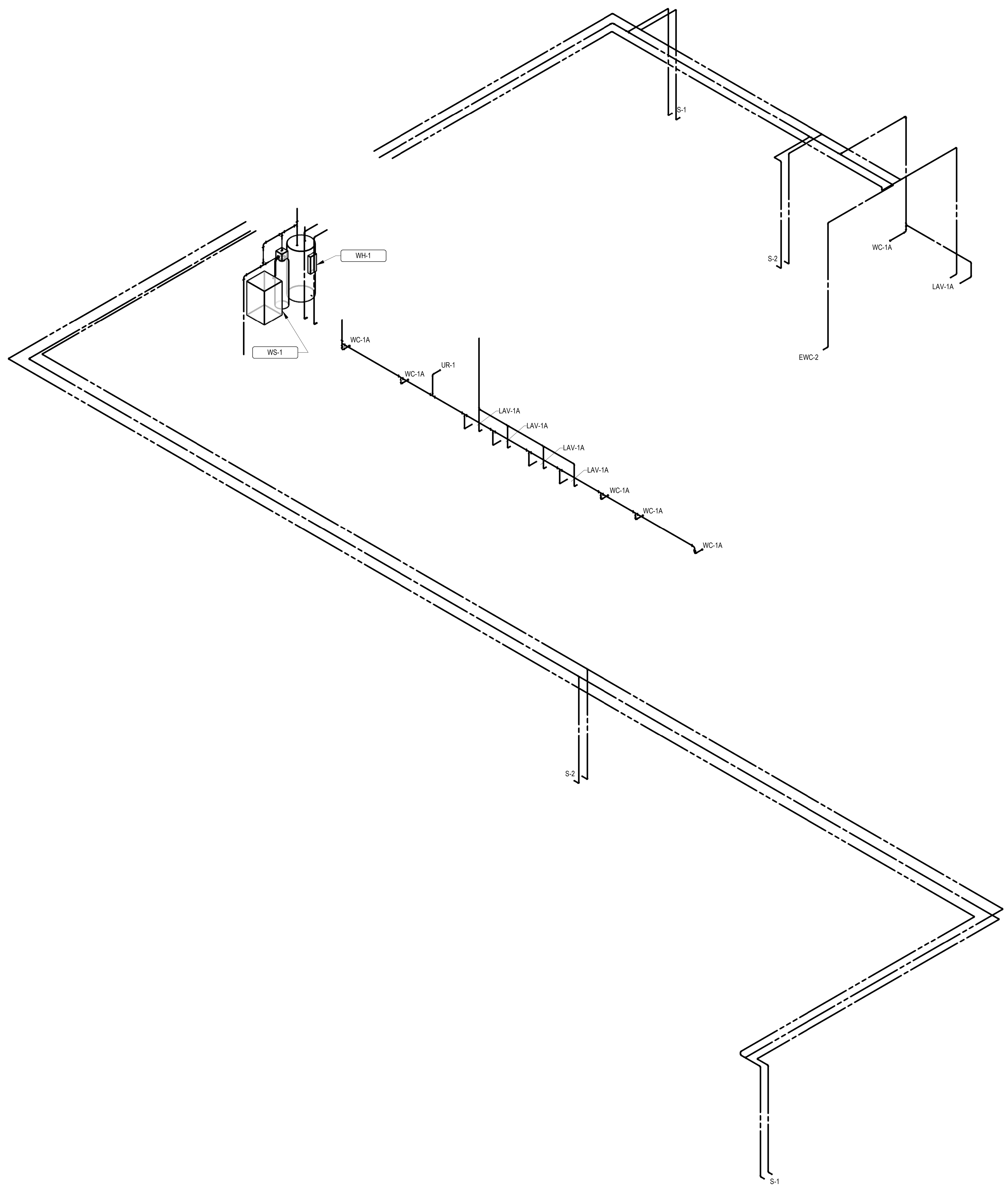
WASTE & VENT RISER DIAGRAMS

SHEET NO.
P6.10



1 DOMESTIC WATER RISER DIAGRAM

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8319 COUNTY ROAD 11, BREEZY POINT, MN 56472

DOMESTIC RISER DIAGRAM

SHEET NO.
P6.20

ELECTRICAL DEMOLITION NOTES:

A. ALL ELECTRICAL DEVICES SHOWN DASHED ARE TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL CONDUIT, CONDUCTORS AND J-BOXES, UNLESS NOTED OTHERWISE.

B. DISCONNECT AND REMOVE DEVICES, BACKBOXES, ASSOCIATED CONDUITS AND WIRE WHERE SHOWN ON DRAWINGS. PROVIDE CONDUIT AND WIRE WHERE NECESSARY TO MAINTAIN OPERATION OF DEVICES THAT ARE NOT PART OF THIS REMODEL. THIS SHALL INCLUDE THE EXTENSION OF NEW CONDUIT AND WIRE FOR DEVICES IN ADJACENT AREAS, UTILIZING ORIGINAL SYSTEM CIRCUITING.

C. AREAS WITH NO DEVICES OR EQUIPMENT SHOWN ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.

D. ALL ELECTRICAL DEVICES SHOWN SOLID ARE TO REMAIN. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED INCLUDING PROVIDING NEW CONDUIT(S) AND WIRES TO ADJACENT AREA(S) AS NEEDED.

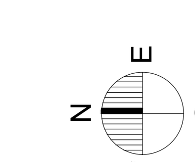
E. REMOVE ANY EXISTING CONDUITS AND DEVICES REQUIRED TO ACCOMMODATE COMPLETE REMODELING.

F. MAINTAIN CIRCUITRY OR WIRING FOR DEVICES AND EQUIPMENT THAT ARE NOTED TO BE REINSTALLED.

G. THE EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS PLAN HAS BEEN TAKEN FROM THE ORIGINAL BUILDING PLANS AND/OR JOB SITE REVIEW AND IS INCLUDED FOR THE CONTRACTOR'S INFORMATION ONLY. IT SHALL NOT BE CONSTRUED TO BE A GUARANTEE THAT THE SYSTEMS WERE INSTALLED PRECISELY AS SHOWN.

ELECTRICAL REFERENCE NOTES:

1 ------
2 ------
3 ------



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BREEZY POINT CITY HALL
8319 COUNTY ROAD 11
BREEZY POINT, MN 56472

SITE PLAN - ELECTRICAL DEMOLITION

SHEET NO.

ED1.10

ELECTRICAL GENERAL NOTES:

A. XXX
B. XXX

ELECTRICAL REFERENCE NOTES:

1 -------
2 -------
3 -------

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BREEZY POINT CITY HALL
8319 COUNTY ROAD 11
BREEZY POINT, MN 56472

ELECTRICAL SITE PLAN

SHEET NO.
E1.10

1/3/2024 2:56:33 PM

ELECTRICAL GENERAL NOTES:

A. COORDINATE THE LOCATIONS OF ALL LIGHT FIXTURES AND ELECTRICAL DEVICES WITH THE ARCHITECTURAL PLANS AND ELEVATIONS.

B. WIRE COUNTS ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE THE NUMBER OF CONDUCTORS REQUIRED. MINIMUM HOMERUN SHALL BE: 1/2"C, 2#12, 1#12G. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT; NO SHARED NEUTRALS.

C. ALL LIGHT FIXTURES AND/OR ELECTRICAL DEVICES MOUNTED IN A LAY-IN CEILING SHALL BE CENTERED IN THE TILE.

D. DEVICE HEIGHTS INDICATED ON DRAWINGS ARE TO THE CENTER OF THE DEVICE FROM FINISHED FLOOR.

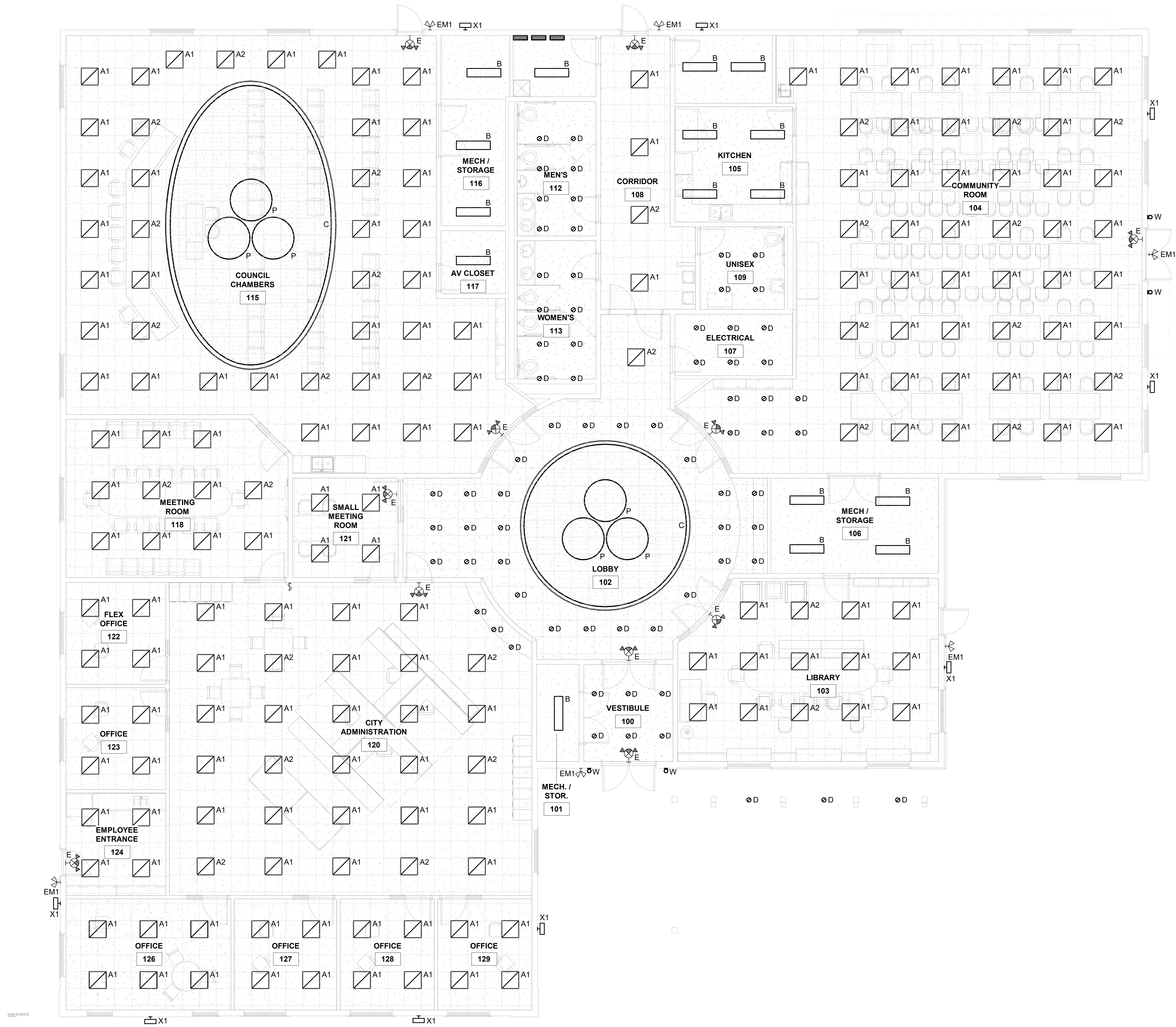
E. THE CAPITAL LETTER ADJACENT TO LIGHT FIXTURE SYMBOL INDICATE THE LIGHT FIXTURE TYPE. SEE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

F. CONNECT ALL EXIT/EGRESS LIGHTS TO THE UNSWITCHED PORTION OF LIGHTING CIRCUIT.

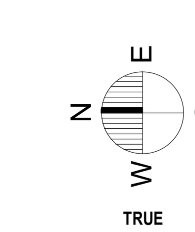
G. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NATION ELECTRICAL CODE. (NEC)

ELECTRICAL REFERENCE NOTES:

1 ------
2 ------
3 ------



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



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SCALE: AS NOTED
DRAWN BY: PWR
CHECKED BY: Checker
JOB NUMBER: 2023-11990

BREEZY POINT CITY HALL
8319 COUNTY ROAD 11
BREEZY POINT, MN 56472

LIGHTING PLAN

SHEET NO.
E2.10

ELECTRICAL GENERAL NOTES:

A. COORDINATE THE LOCATIONS OF ALL ELECTRICAL DEVICES WITH THE ARCHITECTURAL PLANS AND ELEVATIONS.

B. WIRE COUNTS ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE THE NUMBER OF CONDUCTORS REQUIRED. MINIMUM HOMERUN SHALL BE: 1/2"C, 2#12, 1#12G. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT; NO SHARED NEUTRALS.

C. ALL ELECTRICAL DEVICES MOUNTED IN A LAY-IN CEILING SHALL BE CENTERED IN THE TILE.

D. DEVICE HEIGHTS INDICATED ON DRAWINGS ARE TO THE CENTER OF THE DEVICE FROM FINISHED FLOOR.

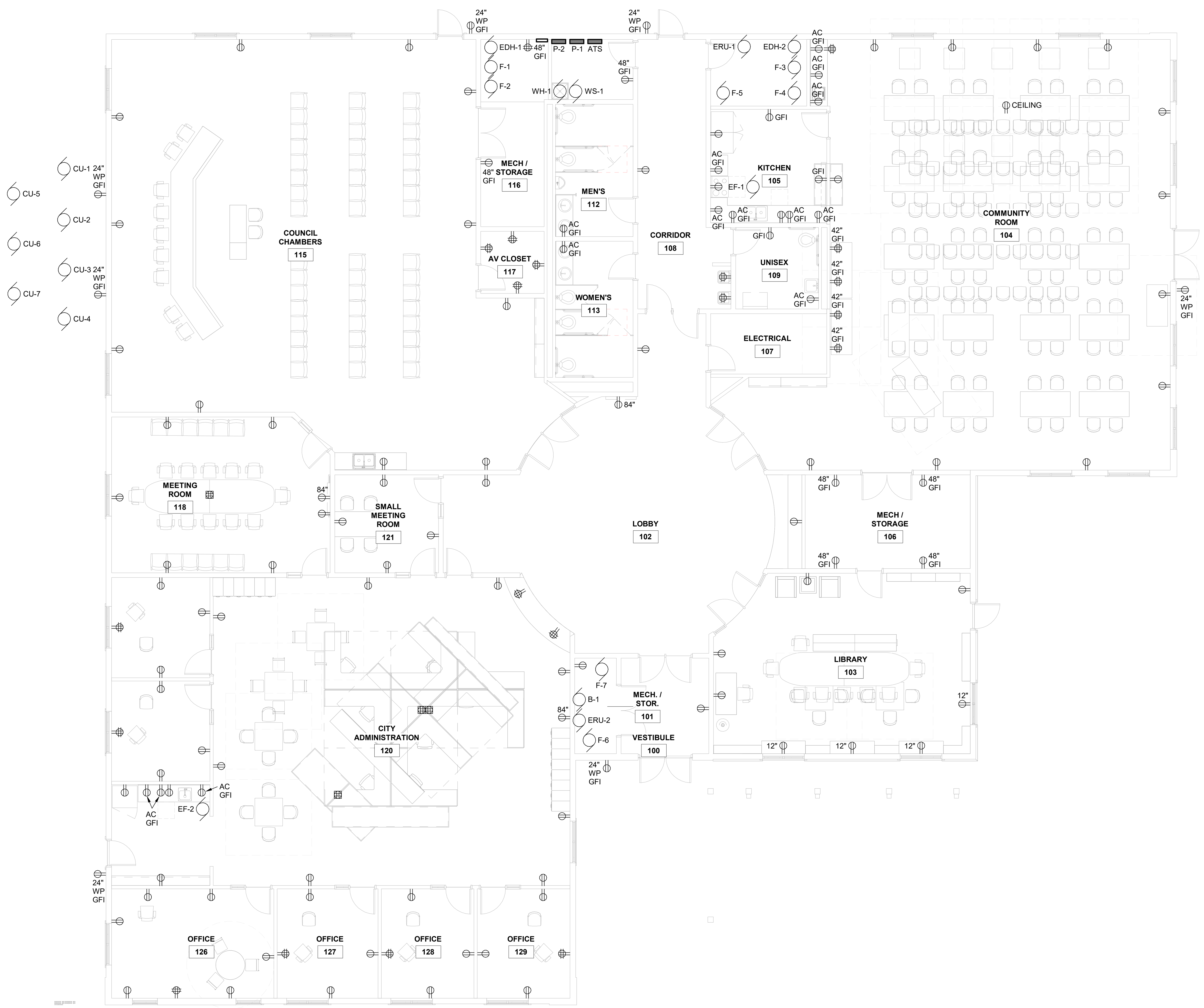
E. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NATION ELECTRICAL CODE. (NEC)

F. REFER TO MECHANICAL/ELECTRICAL SCHEDULES FOR MOTOR INFORMATION AND ADDITIONAL ELECTRICAL REQUIREMENTS.

G. COORDINATE WITH OWNER FOR EXACT RECEPTACLE AND DATA HEIGHTS FOR ALL MONITOR LOCATIONS.

ELECTRICAL REFERENCE NOTES:

1 ------
2 ------
3 ------



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

TRUE NORTH

1/3/2024 2:56:34 PM

WIDSETH
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BREEZY POINT CITY HALL
8319 COUNTY ROAD 11
BREEZY POINT, MN 56472

POWER PLAN

SHEET NO.
E3.10

ELECTRICAL GENERAL NOTES:

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B. WIRE COUNTS ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE THE NUMBER OF CONDUCTORS REQUIRED. MINIMUM HOMERUN SHALL BE: 1/2"C, 2#12, 1#12G. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT; NO SHARED NEUTRALS.

C. ALL ELECTRICAL DEVICES MOUNTED IN A LAY-IN CEILING SHALL BE CENTERED IN THE TILE.

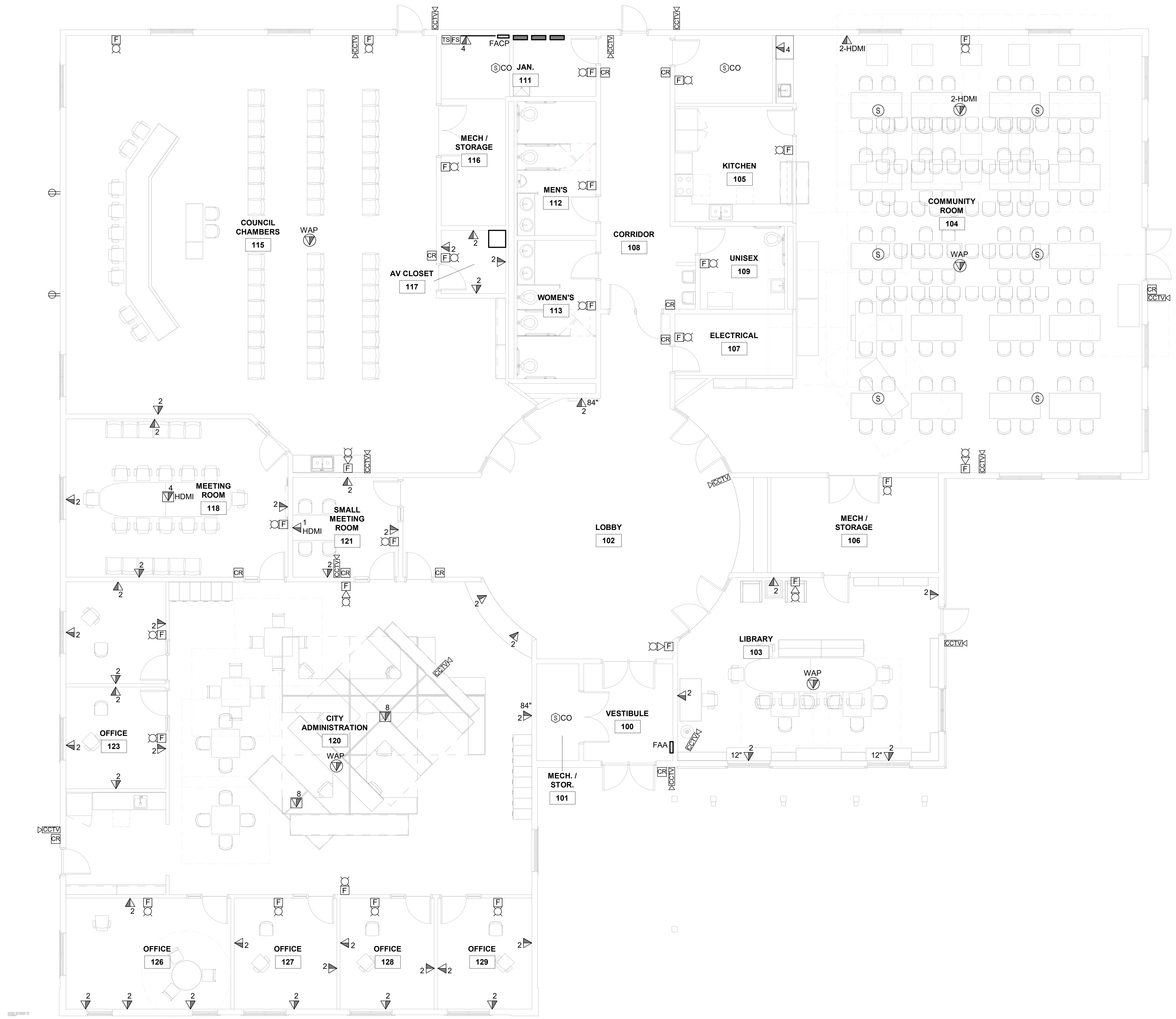
D. DEVICE HEIGHTS INDICATED ON DRAWINGS ARE TO THE CENTER OF THE DEVICE FROM FINISHED FLOOR.

E. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NATION ELECTRICAL CODE. (NEC)

F. COORDINATE WITH OWNER FOR EXACT RECEPTACLE AND DATA HEIGHTS FOR ALL MONITOR LOCATIONS.

ELECTRICAL REFERENCE NOTES:

1 ------
2 ------
3 ------



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

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COMMUNICATIONS PLAN

SHEET NO.
E4.10

1/3/2024 2:56:34 PM

ELECTRICAL LEGEND

- A ← FIXTURE TYPE DESIGNATION
- SWITCH REFERENCE
- LIGHT FIXTURE (RECESSED)
- LIGHT FIXTURE (EMERGENCY) - (RECESSED)
- LIGHT FIXTURE (SURFACE/SUSPENDED) - (SEE SCHEDULE)
- DOWN LIGHT
- DOWN LIGHT (EMERGENCY)
- LIGHT FIXTURE (WALL MTD.)
- LIGHT FIXTURE (WALL MTD.)
- LIGHT FIXTURE (EMERGENCY) - (WALL MTD.)
- LIGHT FIXTURE (GROUND MTD.)
- REMOTE HEAD FIXTURE (SINGLE OR DUAL HEAD)(WALL MOUNT)
- BATTERY OPERATED EMERGENCY LIGHT
- EXIT LIGHT W/ EMERGENCY HEADS - (WALL MTD.)
- EXIT LIGHT W/ DIRECTIONAL ARROW(S) (WALL MTD.) SHADED AREA INDICATES ILLUMINATED FACE(S) (TYP.)
- EXIT LIGHT (CEILING MTD.) SHADED AREA INDICATES ILLUMINATED FACE(S) (TYP.)
- EXIT LIGHT W/ DIRECTIONAL ARROW(S) (CEILING MTD.)
- RECEPTACLE (DUPLEX) - 18" *
- RECEPTACLE (DUPLEX) W/BOTTOM HALF SWITCHED - 18" *
- RECEPTACLE (DOUBLE DUPLEX) - 18" *
- RECEPTACLE (DUPLEX) - (FLOOR MTD.)
- RECEPTACLE (DOUBLE DUPLEX) - (FLOOR MTD.)
- RECEPTACLE (SPECIAL PURPOSE) - 18" *
- J — JUNCTION BOX (CEILING/FLOOR MTD.)
- J — JUNCTION BOX (WALL MTD.) - 18" *
- SINGLE POLE SWITCH - 48" *
- 3 — 3-WAY SWITCH - 48" *
- 4 — 4-WAY SWITCH - 48" *
- D — DIMMER SWITCH - 48" *
- OS — OCCUPANCY SENSOR (CEILING MTD.)
- OS DL — OCCUPANCY SENSOR W/ DAY LIGHTING (CEILING MTD.)
- DL — DAY LIGHTING SENSOR (CEILING MTD.)

* TYPICAL MOUNTING HEIGHT, UNLESS NOTED OTHERWISE

- CR — CARD READER - 48" *
- EL — ELECTRIC LOCK
- DS — DOOR SWITCH
- PC — PHOTO CELL
- M — MAGNETIC DOOR HOLDER
- FS — SPRINKLER FLOW SWITCH
- TS — SPRINKLER TAMPER SWITCH
- P — FIRE ALARM MANUAL PULL STATION - 48" *
- S — SMOKE DETECTOR (CEILING MTD.)
- S CO — COMBINATION SMOKE & CARBON MONOXIDE DETECTOR (CEILING MTD.)
- S D — DUCT TYPE SMOKE DETECTOR
- H R — FIRE ALARM HEAT DETECTOR - RATE OF RISE
- F — FIRE ALARM HORN/STROBE LIGHT - 80" *
- F — FIRE ALARM STROBE LIGHT - 80" *
- H — FIRE ALARM HORN - 80" *
- FACP — FIRE ALARM CONTROL PANEL
- FAA — FIRE ALARM ANNUNCIATOR
- 2 — COMMUNICATIONS OUTLET (WALL MTD.) - 18" * INDICATES NUMBER OF PORTS (TYP.)
- COMMUNICATIONS OUTLET (FLOOR MTD.)
- COMMUNICATIONS OUTLET (CEILING MTD.)
- WAP — COMMUNICATIONS OUTLET FOR WIRELESS ACCESS POINT (CEILING MTD.)
- CCTV — CAMERA
- S — SPEAKER (CEILING MTD.)
- S — SPEAKER (WALL MTD.)
- PUSHBUTTON CONTROLLER - 48" *
- SAFETY DISCONNECT SWITCH
- T — TRANSFORMER
- POWER/DISTRIBUTION CABINET
- PANELBOARD
- MOTOR
- CONDUIT (CONCEALED)
- CONDUIT (EXPOSED)
- CONDUIT (UNDERGROUND ELECTRIC)
- HOMERUN
- LP ← PANELBOARD IDENTIFICATION
- 1,3,5 ← CIRCUIT NUMBERS

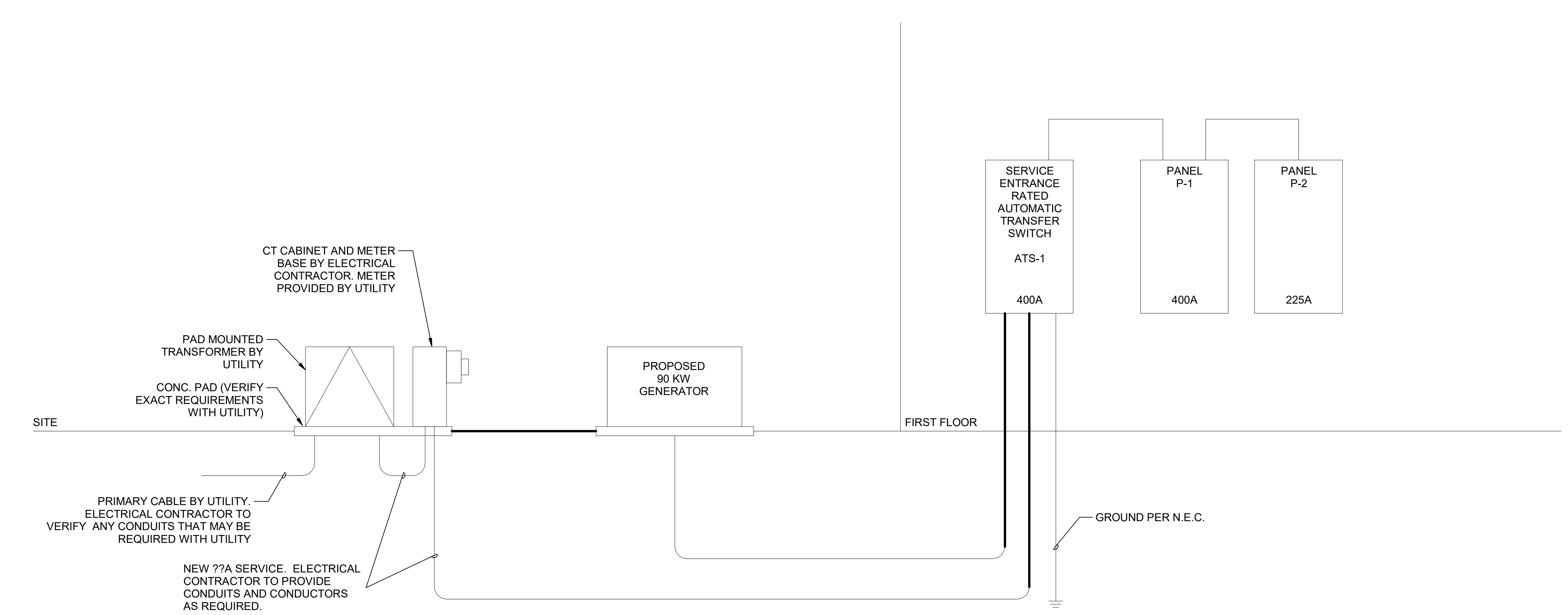
ELECTRICAL ABBREVIATIONS

A	AMPERE	FVNR	FULL VOLTAGE NON REVERSING	PH	PHASE
AC	ABOVE COUNTER	GRD	GROUND	PNL	PANEL
AFF	ABOVE FINISHED FLOOR	G	GROUND	PR	PAIR
ANNUN	ANNUNCIATOR	GFI	GROUND FAULT INTERRUPTER	PVC	POLYVINYL CHLORIDE
C	CONDUIT	HP	HORSEPOWER	REC	RECEPTACLE
CAB	CABINET	HTG	HEATING	RM	ROOM
CB	CIRCUIT BREAKER	HTR	HEATER	SPEC	SPECIFICATION
CRT	CIRCUIT	HZ	HERTZ	STR	STARTER
CLG	CEILING	J-BOX	JUNCTION BOX	SW	SWITCH
COMB	COMBINATION	KW	KILOWATTS	SWBD	SWITCHBOARD
COMM	COMMUNICATIONS	KVA	KILOVOLT AMPERE	TC	TIME CLOCK
CONTR	CONTRACTOR	LTG	LIGHTING, LIGHT OR LIGHTS	TEL	TELEPHONE
COOR	COORDINATE	MAN	MANUAL	TERM	TERMINAL
CT	CURRENT TRANSFORMER	MAX	MAXIMUM	TMB	TELEPHONE MOUNTING BOARD
DN	DOWN	MECH	MECHANICAL	TRANS	TRANSFORMER
DWG	DRAWING	MIN	MINIMUM	TS	TOGGLE SWITCH
EA	EACH	MFR	MANUFACTURER	TYP	TYPICAL
EC	ELECTRICAL CONTRACTOR	MLO	MAIN LUGS ONLY	UC	UNDER COUNTER
ELECT	ELECTRICAL	MSS	MANUAL MOTOR STARTER	UG	UNDERGROUND
EQUIP	EQUIPMENT	MTD	MOUNTED	UH	UNIT HEATER
EXIST	EXISTING	MTR	MOTOR	V	VOLTS
EWC	ELECTRIC WATER COOLER	NA	NOT APPLICABLE	VA	VOLT AMPERE
F	FUSED	NF	NON-FUSED	VFD	VARIABLE FREQUENCY DRIVE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	P	POLE	W	WATTS
FACP	FIRE ALARM CONTROL PANEL	PB	PULL BOX	WP	WEATHERPROOF
FIXT	FIXTURE	PH	PHASE	WG	WIRE GUARD

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LUMEN PACKAGE			MOUNTING	VOLTS	MANUFACTURER & CATALOG #	NOTES
		WATTS	LUMENS	TYPE				
A1	2'x2' LED RECESSED FIXTURE	42.6	5,200	LED 4000K	RECESSED	MVOLT	LITHONIA #STAK-2X2-5000LM-80CRI-40K-COL-MIN1-ZT-MVOLT	-
A2	2'x2' LED RECESSED FIXTURE, BATTERY BACKUP	42.6	5,200	LED 4000K	RECESSED	MVOLT	LITHONIA #STAK-2X2-5000LM-80CRI-40K-COL-MIN1-ZT-MVOLT-E15WLCP	-
B	4' LED WRAPAROUND	40	4,800	LED 4000K	SURFACE	MVOLT	LITHONIA #BLWP4-48L-ADSM-GZ10-LP840	-
C	FLEXIBLE LED COVE LIGHT			LED 4000K	COVE		NOVAFLEX	-
D	6" LED WAFER FIXTURE	14	1,190	LED 4000K	RECESSED	MVOLT	LITHONIA #WF6-LED-30K40K50K-MVOLT-90CRI-MW	-
E	COMBINATION EXIT SIGN & EMERGENCY LIGHT	3	-	LED	UNIVERSAL	MVOLT	LITHONIA #LHQM-LED-R-HO-SD	-
EM	EMERGENCY FIXTURE W/BATTERY BACKUP	6.6	640	LED	WALL	MVOLT	LITHONIA #ELM4L-UVOLT-LTP-SDRT-EHO	-
EM1	REMOTE EMERGENCY FIXTURE	3	-	LED	WALL	-	LITHONIA #ELA-T-SD-QWP-L0309	1
P	DECORATIVE PENDANT, 5' DIAMETER RING			LED 4000K	SUSPENDED		CAMMAN LIGHTING	-
W	WALL MOUNTED DIRECT/INDIRECT FIXTURE	12	1,100	LED 4000K	WALL @7'-6"	120	HYDREL #LOWELL-2/9LED38-40K-120-NFL-CN5-C1-BL	-
X1	EXTERIOR WALL PACK	47	6,000	LED 4000K	WALL	MVOLT	LITHONIA #WPX2-LED-40K-MVOLT-DBLXD	-
X2	PARKING LOT FIXTURE	90	12,000	LED 4000K	POLE	MVOLT	LITHONIA #DSX0-LED-P5-40K-70CRI-T4M-MVOLT-SPA-DBLXD	2

NOTES:
1. POWER TYPE EM1 FIXTURE FROM TYPE E FIXTURE AS SHOWN ON DRAWINGS.
2. PROVIDE TYPE X2 FIXTURE WITH POLE FOR MOUNTING; LITHONIA #SSS-20'-4G-DM19AS-VD-DBLXD.



1 RISER DIAGRAM
1" = 1'-0"

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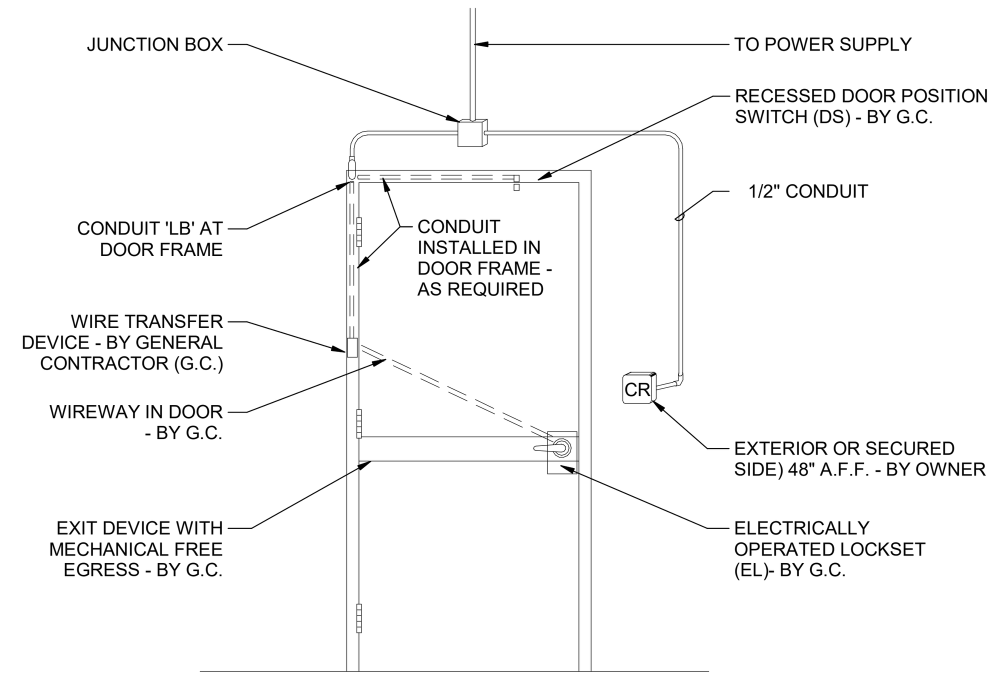
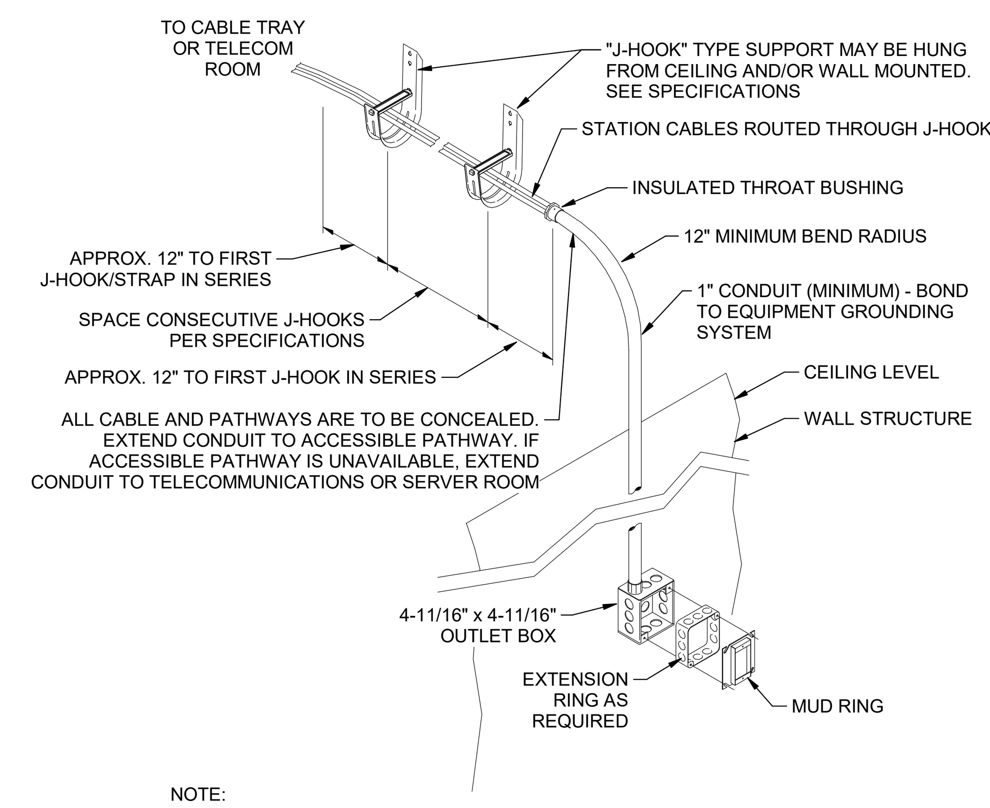
ELECTRICAL LEGEND, SCHEDULES & RISER DIAGRAM

SHEET NO.
E5.10



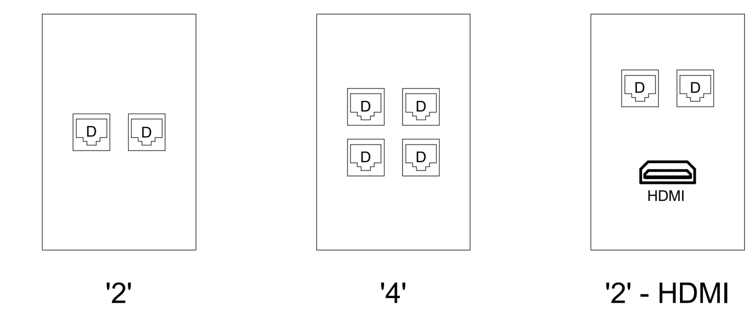
NOTES:
1. ACCESS CONTROL HARDWARE, EXCEPT CAR READERS, BY DIVISION 08.
2. DIVISION 26 TO PROVIDE BOXES, CONDUIT AND 120V WIRING.
3. DIVISION 26 TO PROVIDE 120 VOLT POWER TO ELECTRICALLY OPERATED EXIT DEVICE POWER SUPPLIES, AND INSTALL POWER SUPPLY. POWER SUPPLY PROVIDED BY DIVISION 08.
4. DIVISION 08 TO PROVIDE 24 VDC WIRING TO ELECTRICALLY OPERATED LOCKSETS/EXIT DEVICES. LOCKSETS/EXIT DEVICES BY DIV. 08.
5. CARD READER AND CAT CABLING FOR CARD READER PROVIDED AND INSTALLED BY OWNER. DIV. 26 SHALL PROVIDE CONDUIT WITH PULL STRING FOR CAT CABLING.
6. CONCEAL CONDUIT AND BOXES IN WALLS AND ABOVE CEILING.
7. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH OWNER AND HARDWARE EQUIPMENT SUPPLIERS.
8. DETAIL IS REPRESENTATIVE ONLY. HARDWARE SUPPLIER SHALL PROVIDE DETAILED RISER.

1 DETAIL AT PEDESTRIAN DOOR
3/32" = 1'-0"



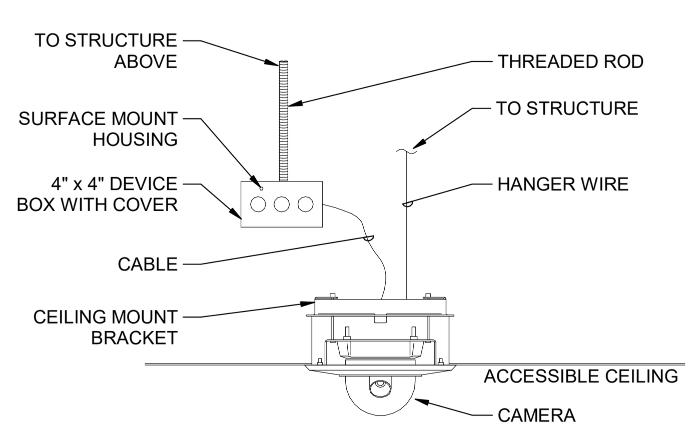
NOTE:
1. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE TOTAL DEPTH OF THE ASSEMBLY FIT WITHIN THE WALL DEPTH. NOTIFY CONTRACTING OFFICER IMMEDIATELY OF ANY DISCREPANCIES.

2 VOICE/DATA OUTLET AND CONDUIT DETAIL
1/8" = 1'-0"

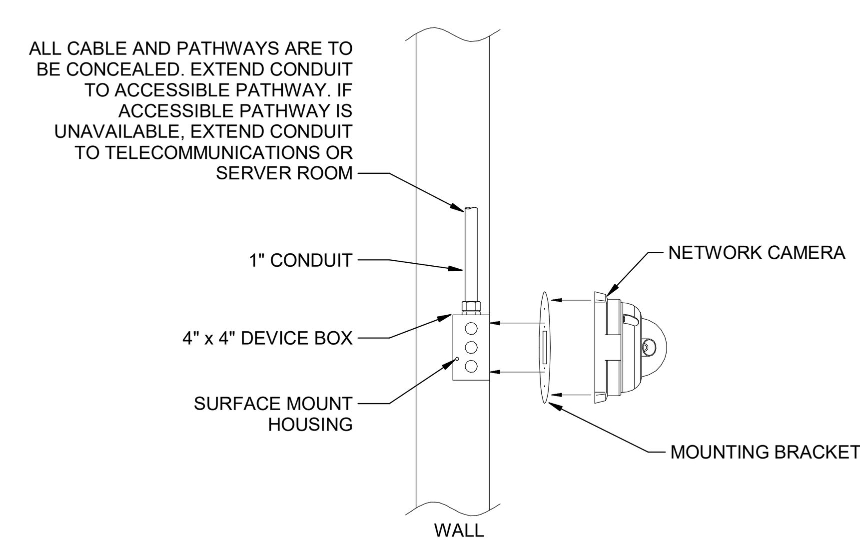


COMMUNICATIONS PLATE DESCRIPTION NOTES:
1. FROM EACH COMMUNICATIONS DEVICE DESIGNATED AS TYPE '2', ROUTE TWO (2) CAT. 6 PLENUM RATED CABLES FROM DEVICE LOCATION TO ASSOCIATED COMMUNICATIONS ROOM. PROVIDE SINGLE-GANG MODULAR FACEPLATE WITH TWO OPENINGS.
2. FROM EACH COMMUNICATIONS DEVICE DESIGNATED AS TYPE '4', ROUTE FOUR (4) CAT. 6 PLENUM RATED CABLES FROM DEVICE LOCATION TO ASSOCIATED COMMUNICATIONS ROOM. PROVIDE SINGLE-GANG MODULAR FACEPLATE WITH FOUR OPENINGS.
3. FROM EACH COMMUNICATIONS DEVICE DESIGNATED AS TYPE '2' - HDMI, ROUTE TWO (2) CAT 6 PLENUM RATED CABLES FROM DEVICE LOCATION TO ASSOCIATED COMMUNICATIONS ROOM, ONE (1) HDMI PORT FROM DEVICE LOCATION TO FLOOR BOX, WALL OR CEILING LOCATION AS INDICATED ON THE DRAWINGS. PROVIDE SINGLE-GANG MODULAR FACEPLATE WITH OPENINGS AS REQUIRED.

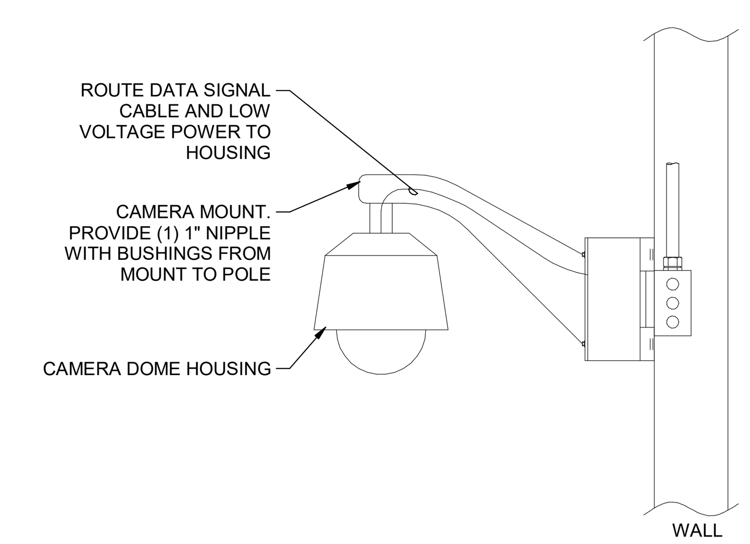
3 VOICE/DATA PLATE DETAIL
1/8" = 1'-0"



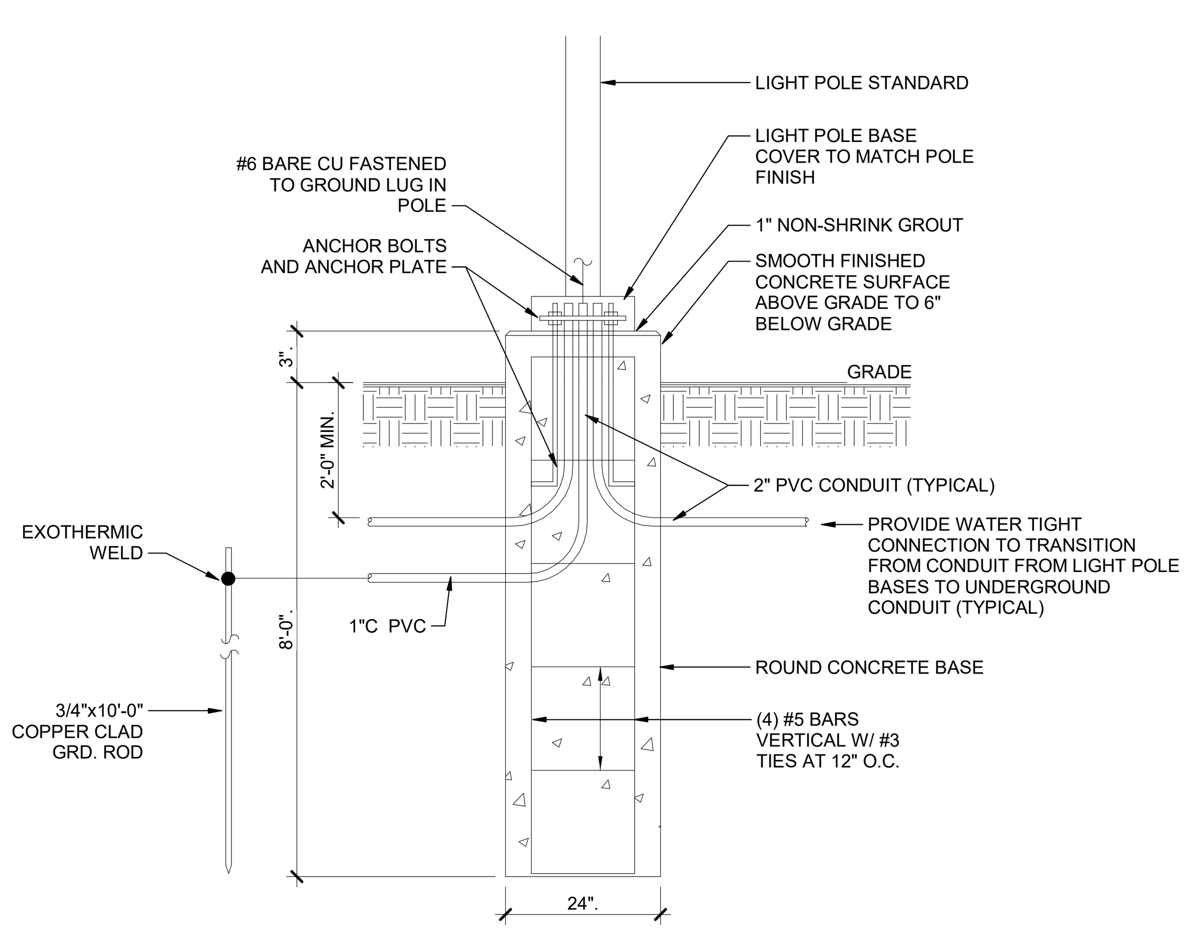
4 TYPE A - FIXED DOME CAMERA DETAIL
1/8" = 1'-0"



5 TYPE B - FIXED DOME CAMERA DETAIL
1/8" = 1'-0"

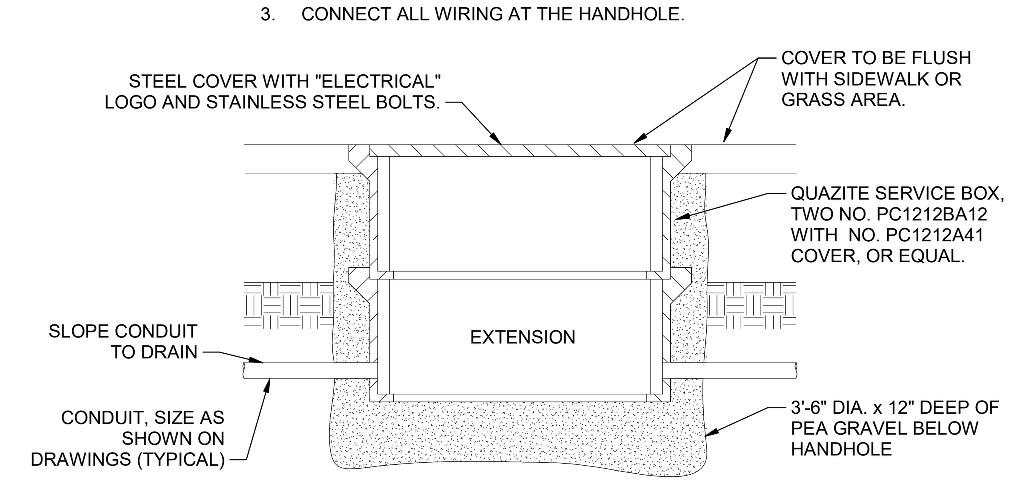


6 TYPE C - FIXED DOME CAMERA DETAIL
1/8" = 1'-0"



7 LIGHT POLE BASE DETAIL
3/32" = 1'-0"

GENERAL ELECTRICAL NOTES:
1. HANDHOLES SHALL BE INSTALLED FLUSH WITH FINISHED GRADE LEVEL. PROVIDE 10' OF EXCESS WIRING IN EACH HANDHOLE.
2. ALL CONDUITS SHALL SLOPE TO DRAIN INTO HANDHOLES.
3. CONNECT ALL WIRING AT THE HANDHOLE.



8 ELECTRICAL HANDHOLE DETAIL
3/32" = 1'-0"

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ELECTRICAL DETAILS

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