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# KETCHIKAN GATEWAY BOROUGH REC CENTER ADDITION

**35% SCHEMATIC DESIGN**

ISSUE DATE: 3-27-24

### ARCHITECTURAL ABBREVIATIONS

### PROJECT DESCRIPTION

### DRAWING INDEX

&	AND	F.O.S.	FACE OF STUD	PLYWD	PLYWOOD
∠	ANGLE	F.O.	FACE OF (Conc. etc.)	PR	PAIR
@	AT	F.R.P.	FIBER REINFORCED PANEL	PREFAB	PREFABRICATED
CL	CENTERLINE	FRPF	FIREPROOFING	PRMA	PROTECTED MEMBRANE ROOF ASSEMBLY
o	DEGREE	FRT	FIRE-RETARDANT TREATED	PROJ	PROJECT
#	NUMBER	FT	FOOT OR FEET	PT	POINT AND PAINT
		FTG	FOOTING	P.T.	PRESERVATIVE TREATED
		FURR	FURRING	PTD	PAPER TOWEL DISPENSER
		FUT	FUTURE	PVC	POLYVINYL CHLORIDE
ABV	ABOVE	GA	GAUGE	R	RISER OR RADIUS
AC	ASPHALTIC CONCRETE	GAL	GALLOW	R.D.	ROOF DRAIN
ACP	ACOUSTICAL CEILING PANEL	GALV	GALVANIZED	REF	REFERENCE
ACT	ACOUSTICAL CEILING TILE	G.B.	GRAB BAR	REFR	REFRIGERATOR
ACOUS	ACOUSTICAL	G.I.	GALVANIZED IRON	REINF	REINFORCING
ADD	ADDITION	GL	GLASS	REQ	REQUIRED
AF	ABOVE FINISH FLOOR	GT	GLASS TYPE	R.H.	RIGHT HAND
AHU	AIR HANDLING UNIT	GWB	GYPSPUM WALL BOARD	R.L.	RAIN LEADER
ALT	ALTERNATE	GYM	GYMNASIUM	RM	ROOM
ALUM	ALUMINUM	GYP.	GYPSUM	R.O.	ROUGH OPENING
APPROX	APPROXIMATE	H.B.	HOSE BIB	R.O.W.	RIGHT OF WAY
ARCH	ARCHITECTURAL	H.C.	HOLLOW CORE	RTU	ROOF TOP UNIT
ASPH	ASPHALT	HDWD	HARDWOOD		
AVG	AVERAGE	HDWR	HARDWARE		
		H.M.	HOLLOW METAL	S	SOUTH
BD	BOARD	H.M.F.	HOLLOW METAL FRAME	SAN	SANITARY
BLDG	BUILDING	HORIZ	HORIZONTAL	S.C.	SOLID CORE
BLKG	BLOCKING	H.P.	HIGH POINT	SCHED	SCHEDULE
BLW	BELOW	HR	HOUR	SE	SOUTHEAST
BM	BENCH MARK	HT	HEIGHT	SECT	SECTION
B.O.	BOTTOM OF	HW	HOT WATER	SHEATH	SHEATHING
B.S.	BOTH SIDES	HWY	HIGHWAY	SHT	SHEET
BTU	BRITISH THERMAL UNIT	I.D.	INSIDE DIAMETER	SIM	SIMILAR
BUR	BUILT-UP ROOF	(") OR IN	INCHES	SND	SANITARY NAPKIN DISPENSER
		IHM	INSULATED HOLLOW METAL	SPEC	SPECIFICATIONS
CAB	CABINET	INSUL	INSULATION	SQ	SQUARE
C.B.	CATCH BASIN	INT	INTERIOR	S.S.	SANITARY SEWER
CEM	CEMENT	JAN	JANITOR	S.ST.	STAINLESS STEEL
CF	CAST IRON	JT	JOINT	STD	STANDARD
CIRC	CIRCULAR	KIT	KITCHEN	STL	STEEL
CLG	CEILING	LAB	LABORATORY	STOR	STORAGE
CLR.	CLEAR	LAM	LAMINATE OR LAMINATED	STRUCT	STRUCTURAL
C.M.P.	CORRUGATED METAL PIPE	LAV	LAVATORY	STS	STORM SEWER
CMU	CONCRETE MASONRY UNIT	LB	POUND	SUSP	SUSPENDED
COL	COLUMN	LH	LEFT HAND	SV	SHEET VINYL
COMP	COMPOSITION	LL	LIVE LOAD	SW	SOUTHWEST
CONC	CONCRETE	L.P.	LIMITS OF WORK	SYM	SYMMETRICAL
CONSTR	CONSTRUCTION	MATL	MATERIAL		
CONT	CONTINUOUS	MECH	MECHANICAL	TB	TACKBOARD
COOR	COORDINATE	MEET OR MTL	METAL	TBHM	THERMALLY BROKEN HOLLOW METAL
CORR	CORRIDOR	MFR	MANUFACTURER	TEL	TELEPHONE
C.R.	COLD ROLLED	MH	MANHOLE	TEMP	TEMPORARY
C.R.C.	COLD ROLLED CHANNEL	MIN	MINIMUM OR MINUTE	TERR	TERRAZZO
C.T.	CERAMIC TILE	MISC	MISCELLANEOUS	T&G	TONGUE AND GROOVE
CTR	CENTER	M.O.	MASONRY OPENING	THRU	THROUGH
		MULL	MULLION	T.O.	TOP OF (eg CONCRETE)
		N	NORTH	T.O.S.	TOP OF STEEL
		NE	NORTHEAST	TV	TELEVISION
		NIC	NOT IN CONTRACT	TYP	TYPICAL
		NO	NUMBER	UAA	UNIVERSITY OF ALASKA ANCHORAGE
		NOM	NOMINAL	UL	UNDERWRITERS LABORATORY
		NTS	NOT TO SCALE	UNFIN	UNFINISHED
		NW	NORTHWEST	UNO	UNLESS NOTED OTHERWISE
		O	OVER	VCT	VINYL COMPOSITION TILE
		O.C.	ON CENTER	VERT	VERTICAL
		O.D.	OUTSIDE DIAMETER	VEST	VESTIBULE
		EQ	EQUAL	VR	VAPOR RETARDER
		OFD	OVERFLOW DRAIN	VTR	VENT THROUGH ROOF
		OFF	OFFICE	W	WEST
		OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	W/	WITH
		OH	OVERHEAD	WC	WATER CLOSET
		OPNG	OPENING	WD	WOOD
		OPP	OPPOSITE	W/O	WITHOUT
		OP	OWNER FURNISHED, OWNER INSTALLED	WP	WATERPROOF
		PARA	PARALLEL	WT	WEIGHT
		PART	PARTITION		
		PERF	PERFORATED		
		PERM	PERMANENT		
		PERP	PERPENDICULAR		
		P.I.C.	PRECAST INSULATED CONCRETE		
		PL	PLATE		
		P.LAM	PLASTIC LAMINATE		
		PLAST	PLASTER		

PROJECT DESCRIPTION: SEE 35% NARRATIVE DOCUMENT

**GENERAL**  
G100 GENERAL NOTES, ABBREVIATIONS, LOCATION MAP AND SHEET INDEX

**LIFE SAFETY**  
LS100 LIFE SAFETY SITE  
LS101 LIFE SAFETY PLANS

**CIVIL**  
C1.0 COVER  
C2.0 DEMO SHEET  
C3.0 SITE LAYOUT (BUILDING EXPANSION)  
C3.1 SITE LAYOUT (FIRE LANE)  
C3.2 SITE DETAILS  
C3.3 SITE SECTIONS  
C4.0 WATER PLAN  
C4.1 WATER DETAILS

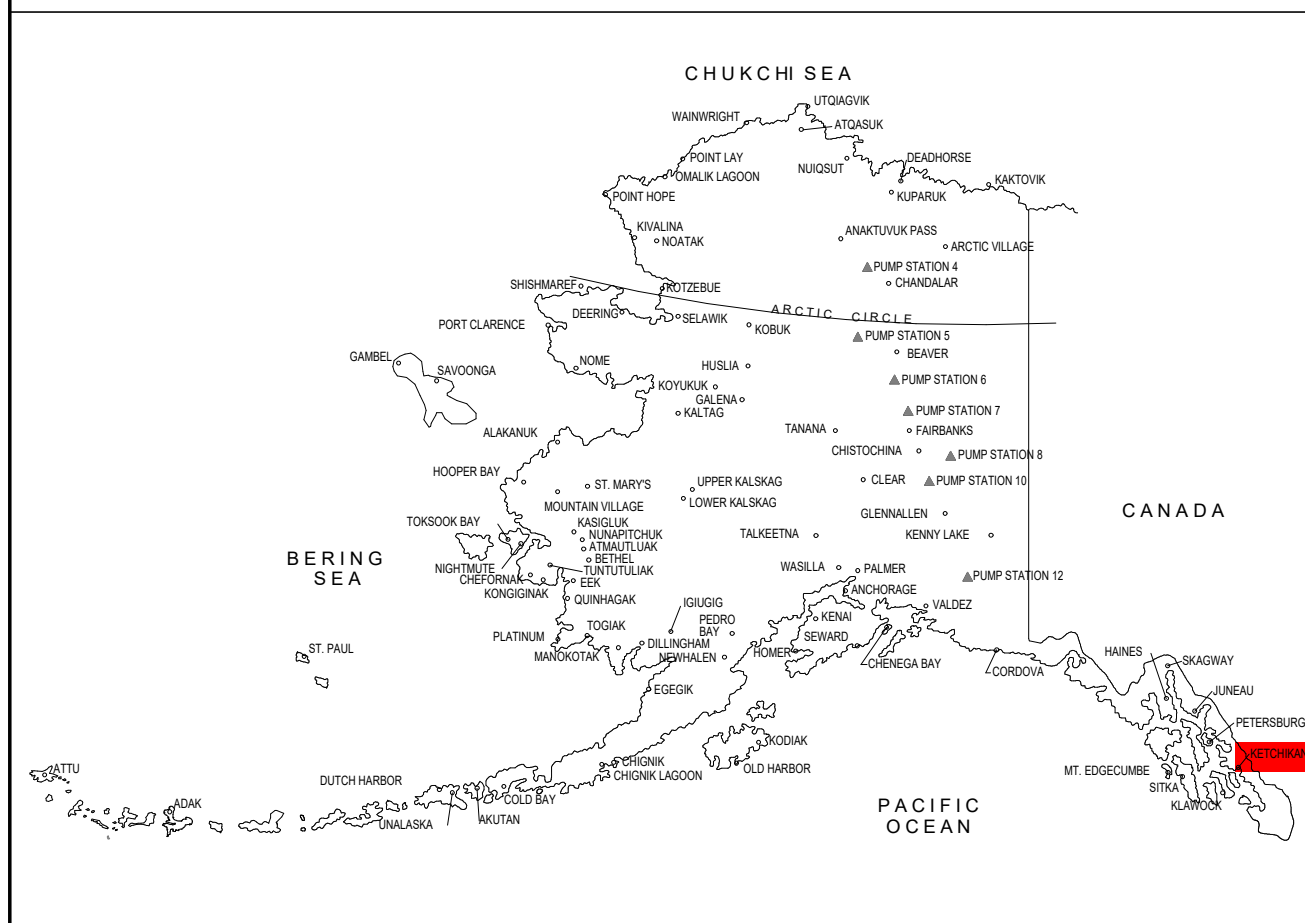
**ARCHITECTURAL**  
A101 FLOOR PLANS  
A102 ROOF PLAN  
A201 EXTERIOR ELEVATIONS  
A202 3D PERSPECTIVES  
A301 BUILDING SECTIONS  
A302 BUILDING SECTIONS  
A401 INTERIOR ELEVATIONS

**STRUCTURAL**  
S1.01 FOUNDATION PLAN  
S1.02 SECOND FLOOR FRAMING PLAN  
S1.03 MEZZANINE FRAMING PLAN  
S1.04 ROOF FRAMING PLAN  
S2.01 ELEVATIONS  
S2.02 ELEVATIONS

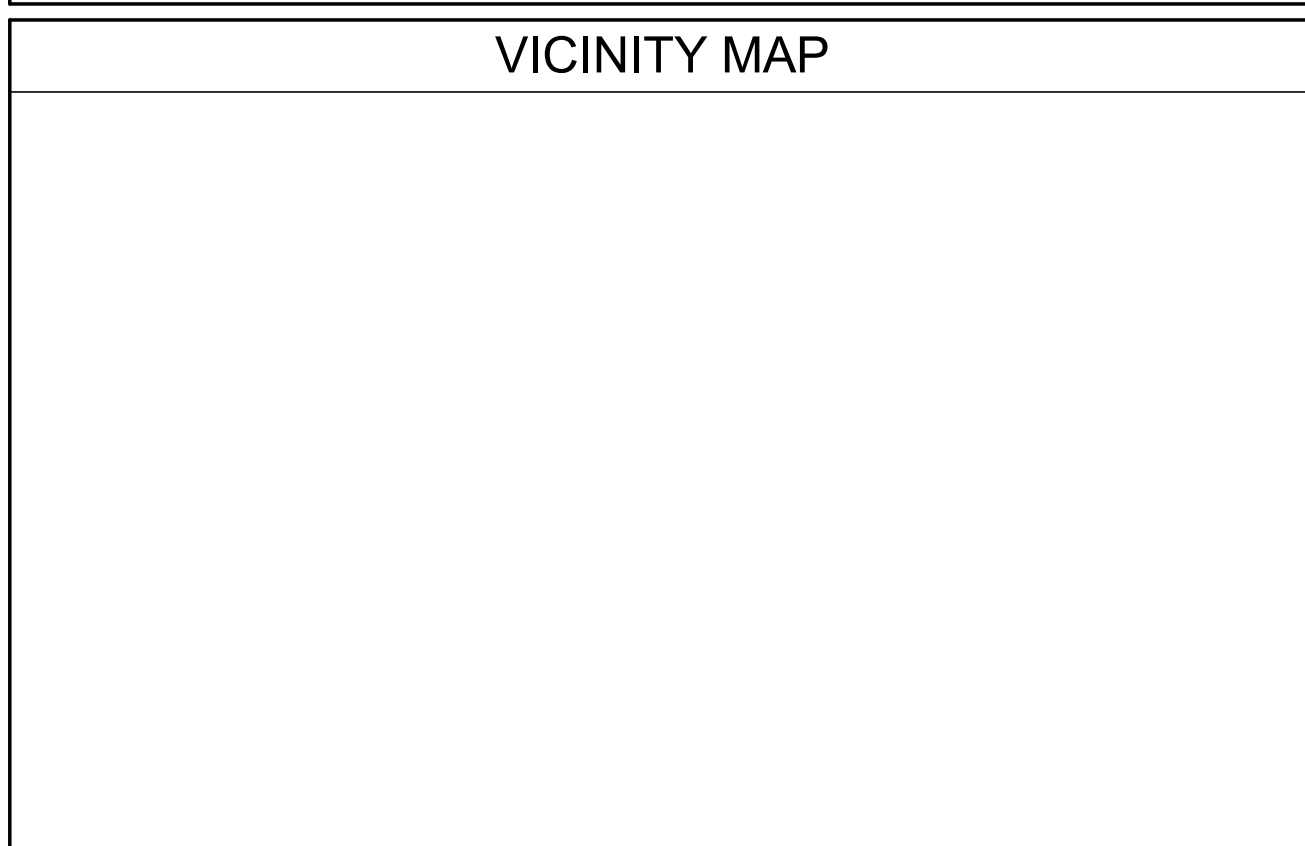
**MECHANICAL**  
M001 MECHANICAL LEGEND  
M002 MECHANICAL SCHEDULES  
M003 MECHANICAL SCHEDULES  
M100 SITE PLAN - MECHANICAL  
M200 UNDERFLOOR PLAN - PLUMBING  
M201 LEVEL 1 PLAN - PLUMBING  
M202 LEVEL 2 PLAN - PLUMBING  
M203 ENLARGED PLANS AND DIAGRAMS - PLUMBING  
M301 LEVEL 1 PLAN - HEATING & COOLING PIPING  
M302 LEVEL 2 PLAN - HEATING & COOLING PIPING  
M401 LEVEL 1 PLAN - VENTILATION  
M402 LEVEL 2 PLAN - VENTILATION  
M501 ENLARGED PLANS AND SECTIONS - MECH. ROOMS

**ELECTRICAL**  
E001 LEGEND, ABBREVIATIONS  
E101 SITE PLAN - ELECTRICAL - DEMO  
E102 SITE PLAN - ELECTRICAL  
E301 LEVEL 1 PLAN - POWER  
E302 LEVEL 2 PLAN - POWER  
E501 ENLARGED PLANS  
E701 POWER ONE-LINE DIAGRAM - EXISTING & DEMO  
E702 POWER ONE-LINE REVISED

### STATE MAP



### VICINITY MAP



### ARCHITECTURAL DRAWING CONVENTIONS

<b>NORTH ARROW</b>	<b>GRID LINES</b>	<b>SHEET NOTE TAG</b>	<b>BLDG./WALL SECTION</b>	<b>DISCIPLINE</b>	<b>DETAIL</b>	<b>EXTERIOR ELEVATION</b>	<b>PARTITION TYPE</b>	<b>EQUIPMENT TAG</b>
<b>REVISIONS</b>	<b>DOOR NUMBER</b>	<b>DEMOLITION</b>	<b>VERT. CONTROL POINT</b>	<b>WINDOW TYPE</b>	<b>ROOM TAG</b>	<b>INTERIOR ELEVATION</b>	<b>MATCHLINE</b>	

### GENERAL PROJECT NOTES

- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODES OUTLINED ON THE LIFE SAFETY PLAN, AND ALL OTHER STATE AND LOCAL CODES, INCLUDING ALL AMENDMENTS.
- ALL WORK SHALL CONFORM TO THE AMERICAN DISABILITIES ACT (A.D.A.) ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (A.D.A.G.) AND A.N.S.I. 117.1 UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE, FACE OF C.M.U., TO CENTERLINE OF STRUCTURAL COLUMN, OR TO STRUCTURAL GRID-LINE UNLESS NOTED OTHERWISE.
- DIMENSIONS NOTED AS 'CLEAR' (OR CLR.) SHALL BE TO FINISHED FACE.
- DO NOT SCALE THE DRAWINGS TO OBTAIN CONSTRUCTION DIMENSIONS.

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**35% SCHEMATIC DESIGN**

**KETCHIKAN GATEWAY BOROUGH**  
**REC CENTER ADDITION**  
601 SCHOENBAR RD. KETCHIKAN, AK 99901

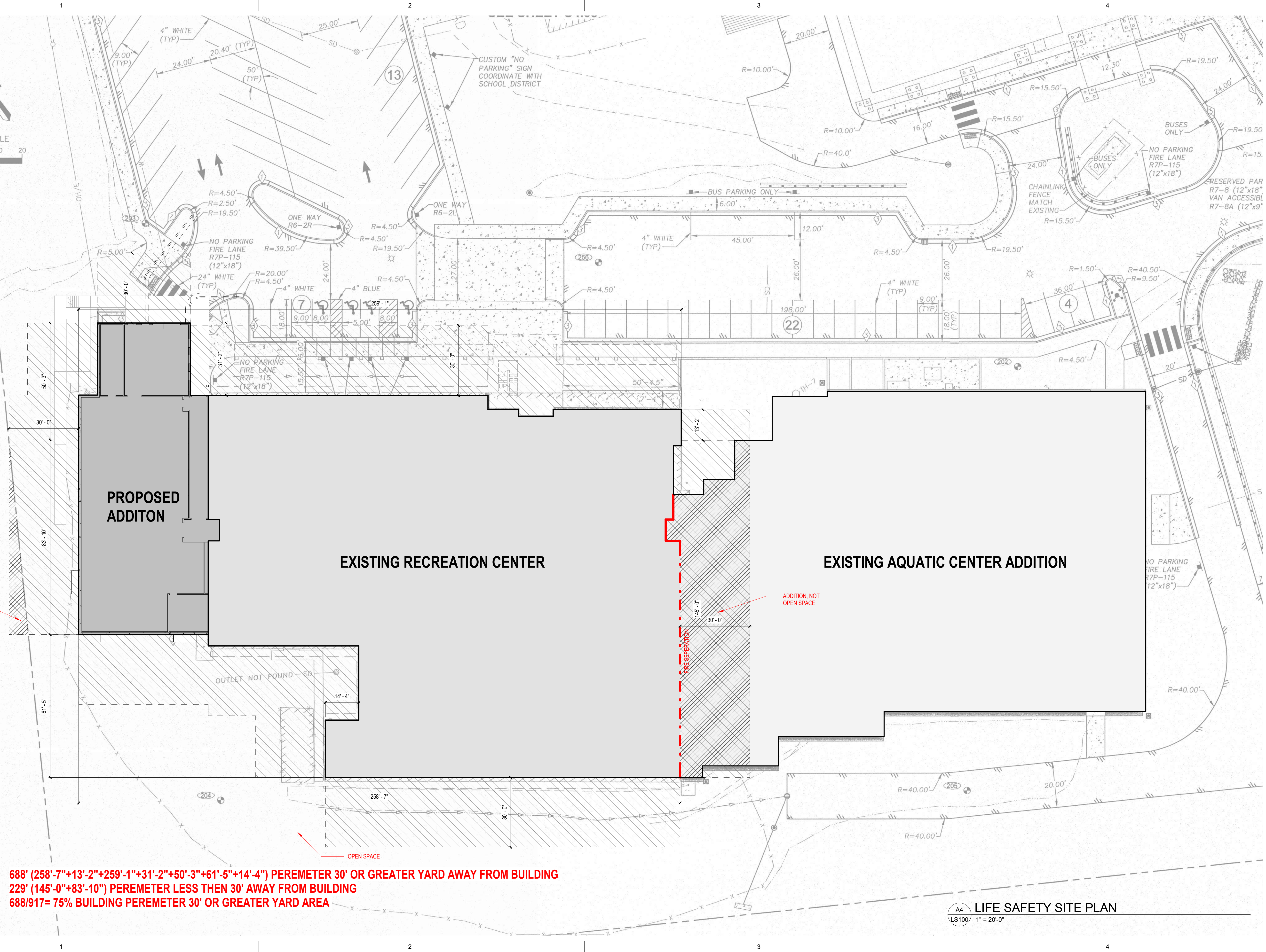
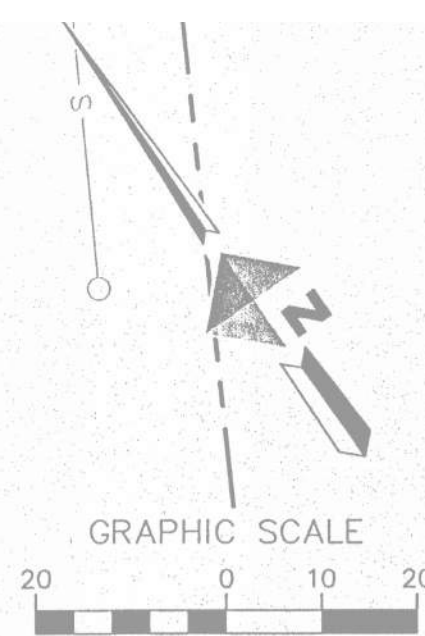
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Drawn by Author	Date 3-27-24
Checked Checker	Job No. 23076.01

**Sheet Contents**  
GENERAL NOTES, ABBREVIATIONS,  
LOCATION MAP AND SHEET INDEX

Sheet No.  
**G100**

Autodesk Docs/23076.01 KGB Gateway Recreation Center Addition/23076.01 KGB Rec Center Addition.rvt Plot Date Time: 3/28/2024 9:20:38 AM



**688' (258'-7"+13'-2"+259'-1"+31'-2"+50'-3"+61'-5"+14'-4") PEREMETER 30' OR GREATER YARD AWAY FROM BUILDING**  
**229' (145'-0"+83'-10") PEREMETER LESS THEN 30' AWAY FROM BUILDING**  
**688/917= 75% BUILDING PEREMETER 30' OR GREATER YARD AREA**

A4  
LS100 LIFE SAFETY SITE PLAN  
1" = 20'-0"

AECC561

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**35% SCHEMATIC DESIGN**

KETCHIKAN GATEWAY BOROUGH

# REC CENTER ADDITION

601 SCHOENBAR RD. KETCHIKAN, AK 99901

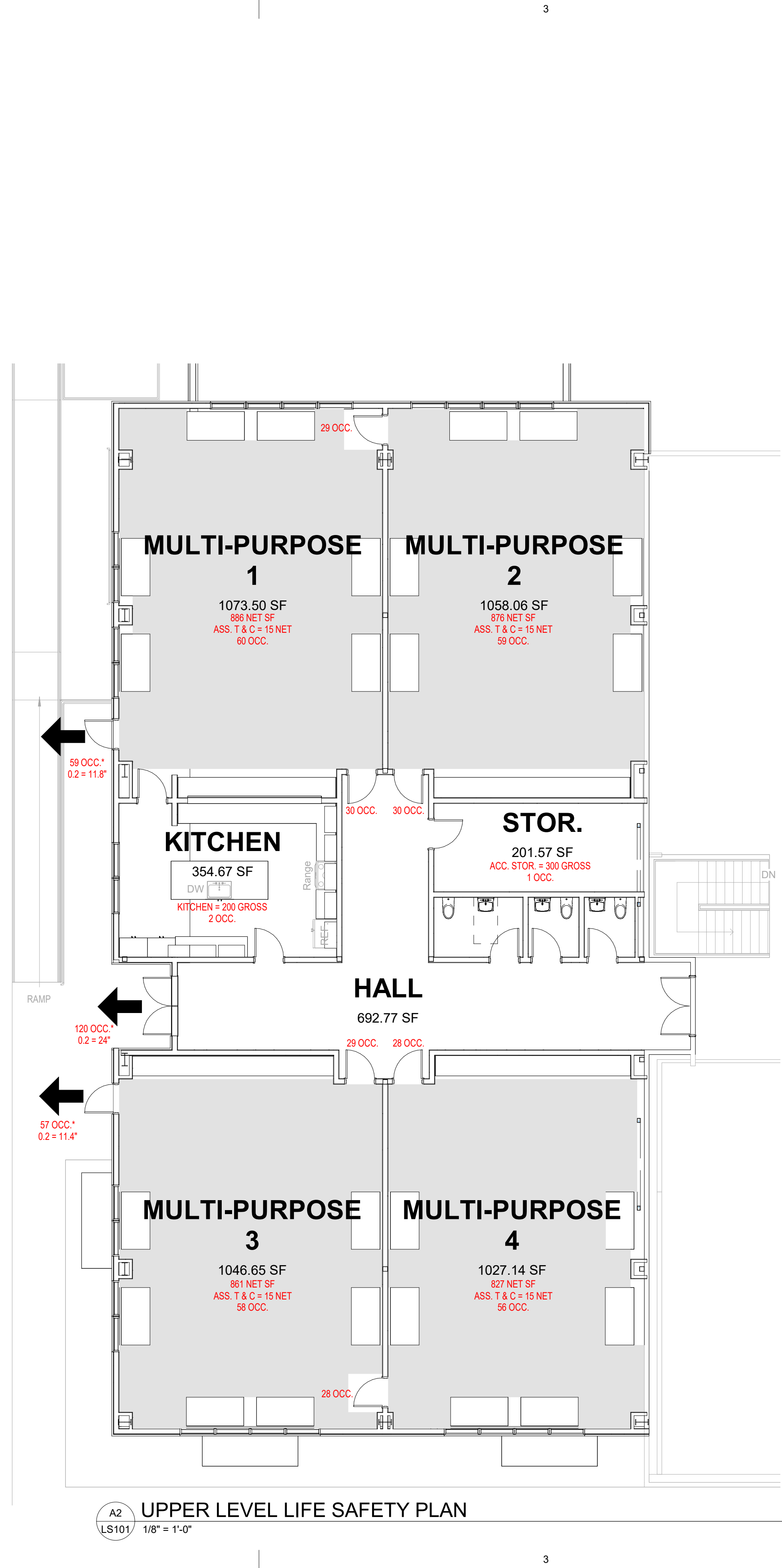
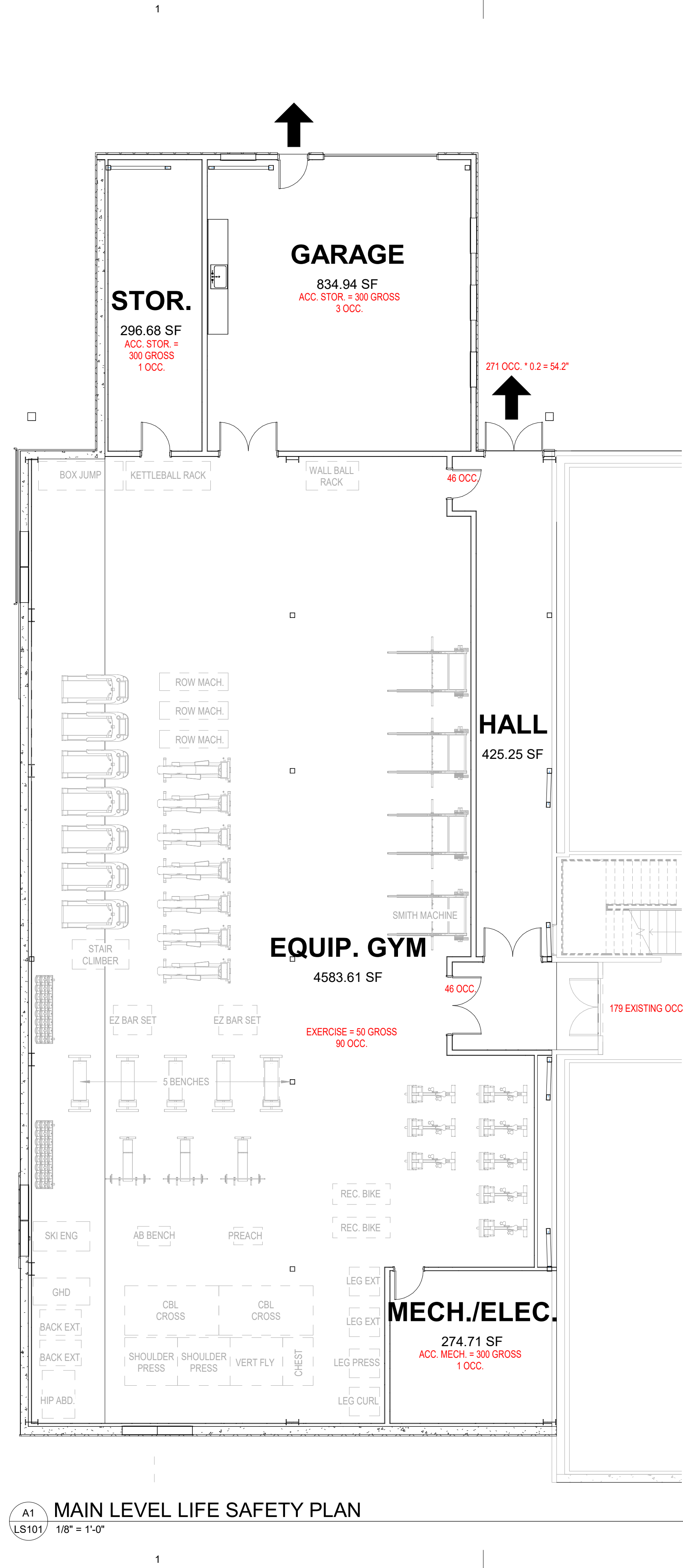
Revisions		
No.	Description	Date

Drawn by Author	Date 3-27-24
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Sheet Contents  
LIFE SAFETY SITE

Sheet No.  
**LS100**

Autodesk Docs/23076.01 KGB Gateway Recreation Center Addition/23076.01 KGB Rec. Center Addition.rvt Plot Date Time: 3/28/2024 9:20:40 AM



**BUILDING CODE INFORMATION**

GENERAL PROJECT DESCRIPTION: CONSTRUCTION OF AN ADDITION METAL FRAMED BUILDING WHICH WILL SERVE AS AN EXERCISE MULTIPURPOSE FACILITY ADDITION TO THE EXISTING REC CENTER. THE BUILDING CONSTRUCTION TYPE IB WITH (NON-FIRE RATED) PER TABLE 601. OCCUPANCY "A" WITH EXERCISE, ASSEMBLY, STORAGE, AND SUPPORT SPACES. (SECTION 502 CONSTRUCTION CLASSIFICATION, TABLE 601, FIRE-RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS))

THE BUILDING SHALL COMPLY WITH THE REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE STATE OF MONTANA.

**OCCUPANCY CLASSIFICATION:** (SECTION 302 OCCUPANCY CLASSIFICATION AND USE DESIGNATION)  
GROUP A - ASSEMBLY GATHERING OF PERSONS FOR PURPOSES SUCH AS CIVIC, SOCIAL, RECREATION, GYM WITHOUT 304.1

OCCUPANCY OF SPACES PER IBC 2021, TABLE 1004.5  
ACCESSORY STORAGE, MECH. EQUIPMENT = 300 GROSS  
EXERCISE = 50 GROSS  
KITCHEN = 200 GROSS  
ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS) = 15 NET

**BUILDING HEIGHT AND NUMBER OF STORIES:** SECTION 504, HEIGHT PER TABLE 504.3 AND NUMBER OF STORIES PER TABLE 504.4  
OCCUPANCY GROUPS: ALLOWABLE BUILDING HEIGHT NUMBER OF STORIES ABOVE GRADE  
A (N/S) 75 FEET 2

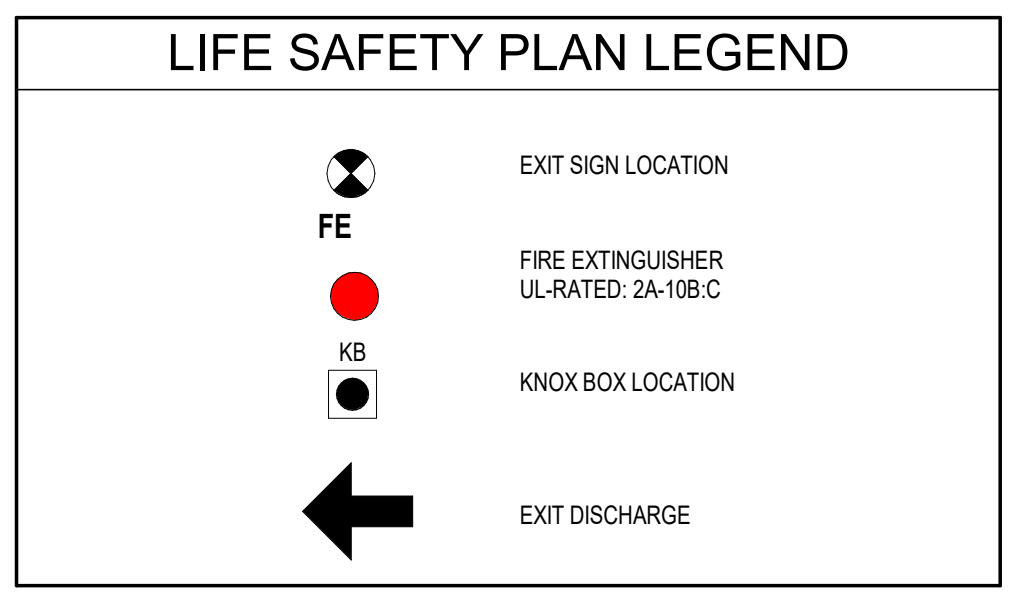
ACTUAL HEIGHT= 51'-3" < 75'-0", OK  
ACTUAL NUMBER OF STORIES = 2 STORIES, OK

**BUILDING AREA:** (SECTION 506, TABLE 506.2)  
ALLOWABLE BUILDING AREA TABULAR BUILDING AREA PER TABLE 506.2 OCC. A-3 = 28,500 SF

**FRONTAGE INCREASE:** (SECTION 506.3.3, TABLE 506.3.3)  
PERCENTAGE OF BUILDING PERIMETER OPEN = 75 TO 100  
OPEN SPACE (FEET) AWAY FROM BUILDING = 30 OR GREATER  
FRONTAGE INCREASE FACTOR = 1.75 X 28,500 = 49,875 SF PER FLOOR (SEE LS100 SHEET)

EXISTING MAIN LEVEL REC CENTER NOT INCLUDING AQUATIC CENTER AREA: 28,013 SF  
ADDITION MAIN LEVEL AREA: 6,585 SF  
COMBINED MAIN LEVEL AREA: 34,598 SF, OK

EXISTING UPPER LEVEL REC CENTER NOT INCLUDING AQUATIC CENTER AREA: 14,718 SF  
ADDITION UPPER LEVEL AREA: 6,008 SF  
COMBINED UPPER LEVEL AREA: 20,726 SF, OK



AECC561

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KETCHIKAN GATEWAY BOROUGH

**REC CENTER ADDITION**

601 SCHOENBAR RD. KETCHIKAN, AK 99901

Revisions

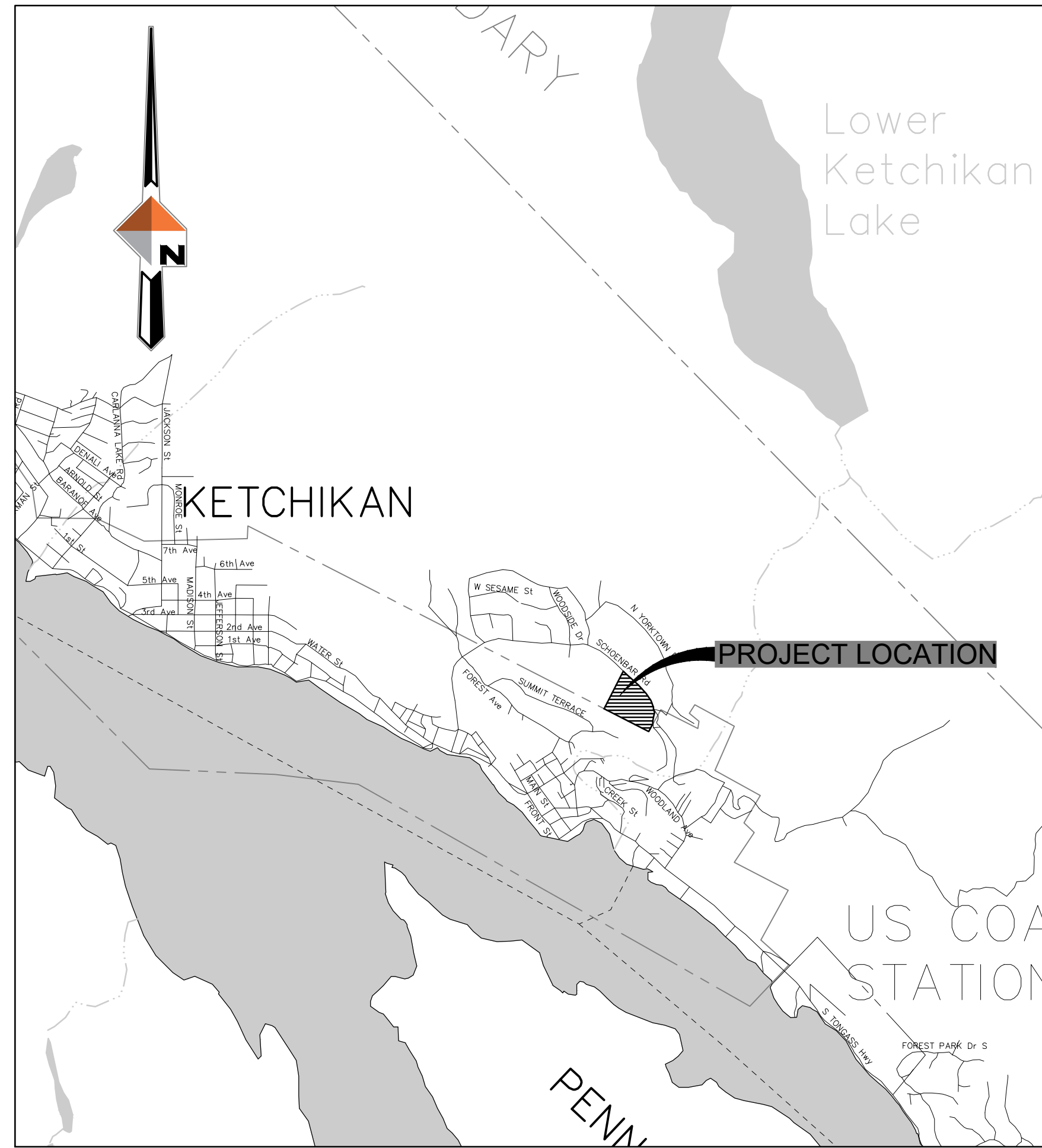
No.	Description	Date

Drawn by Author	Date 3-27-24
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Sheet Contents  
LIFE SAFETY PLANS

Sheet No.  
**LS101**

J:\80163898-01\650CAD\Civil\SC20-CS-CV-63898.dwg PLOT DATE: 2024-3-27 10:35 SAVED DATE: 2024-02-29 16:03 USER: mchiarillo



**VICINITY MAP**

SCALE: 1"=2000'

**ABBREVIATIONS**

ACP - ASPHALT CONCRETE PAVEMENT	MIN - MINIMUM
ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS	MH - MANHOLE
ARFS - AS REQUIRED FOR SAFETY	NE - NORTHEAST
BLDG - BUILDING	NO - NUMBER
BOP - BOTTOM OF PIPE	NTS - NOT TO SCALE
BOW - BOTTOM OF WALL	O.C. - ON CENTER
C&G - CURB AND GUTTER	OD - OUTSIDE DIAMETER
CB - CATCH BASIN	OH - OVERHEAD
CL - CLASS	O&M - OPERATIONS AND MAINTENANCE
CO - CLEAN OUT	PCC - PORTLAND CONCRETE CEMENT
CONC - CONCRETE	PCPEP - PERFORATED CORRUGATED POLYETHYLENE PIPE
CPEP - CORRUGATED POLYETHYLENE PIPE	PSI - POUNDS PER SQUARE INCH
DEMO - DEMOLITION	R - RADIUS
DIA - DIAMETER	REQ - REQUIRED
DIP - DUCTILE PIPE IRON	ROW - RIGHT OF WAY
DW - DETECTABLE WARNINGS	S - SEWER
E - ELECTRIC	SE - SOUTH
ESMT - EASEMENT	SD - STORM DRAIN
E.W. - EACH WAY	SE - SOUTHEAST
FF - FINISHED FLOOR	SS - SANITARY SEWER
FL - FLOW LINE	STA - STATION
FT - FEET	SW - SIDEWALK
G - GAS	T - TELEPHONE
GB - GRADE BREAK	TC - TOP BACK OF CURB
GV - GATE VALVE	TH - TEST HOLE
INV - INVERT	TOW - TOP OF WALL
KPU - KETCHIKAN PUBLIC UTILITIES	TYP - TYPICAL
LC - LEVELING COURSE	UG - UNDERGROUND
LF - LINEAR FEET	VB - VALVE BOX
LL - LOWER LEVEL	W - WATER
MAX - MAXIMUM	W - WEST
ME - MATCH EXISTING	Ø - DIAMETER

**LEGEND**

PROPOSED	EXISTING	
		BUILDING
		ROOF OVERHANG
		STORM DRAIN LINE
		STORM DRAIN STRUCTURE
		WATER LINE
		WATER VALVE
		FIRE HYDRANT
		WATER END CAP
		SANITARY SEWER LINE
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEANOUT
		ELECTRIC LINE
		ELECTRICAL TRANSFORMER
		ELECTRICAL POLE
		EDGE OF GRAVEL
		RETAINING WALL
		GUARDRAIL
		LUMINAIRE
		BOLLARD
		FILL LIMITS
		SIGN
		MAJOR CONTOUR
		MINOR CONTOUR
		CONCRETE
		PROPERTY LINE

**SHEET INDEX**

- C1.0 - COVER SHEET
- C2.0 - DEMOLITION PLAN
- C3.0 - SITE LAYOUT
- C3.1 - SITE LAYOUT
- C3.2 - SITE DETAILS
- C3.3 - SITE SECTIONS
- C4.0 - SITE UTILITY PLAN
- C4.1 - WATER DETAILS

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF KETCHIKAN STANDARD SPECIFICATIONS.
2. EXISTING GROUND CONTOURS BASED ON R&M ENGINEERING - KETCHIKAN, INC TOPOGRAPHIC SURVEY PERFORMED 2010 AND DESIGN DRAWINGS FROM DOWL, CREATED IN 2010. CONTRACTOR SHALL VERIFY SITE CONDITIONS.
3. SOILS INFORMATION IS DERIVED FROM SOILS INVESTIGATIONS PERFORMED BY R&M ENGINEERING - KETCHIKAN, INC. SEE GEOTECHNICAL REPORT DATED SEPTEMBER, 2010 AND TITLED: SUBSURFACE INVESTIGATION, KETCHIKAN AQUATIC CENTER GEOTECHNICAL INVESTIGATION REPORT, KETCHIKAN, ALASKA.
4. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS BY OBTAINING UTILITY LOCATES PRIOR TO BEGINNING CONSTRUCTION. EXERCISE CAUTION DURING EXCAVATION.
5. VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. RECORD LOCATIONS AND CHANGES TO UTILITIES IN SURVEY NOTES AND ON AS BUILT DRAWINGS.
6. VERIFY INVERTS AND LOCATIONS OF ALL UTILITY CONNECTION POINTS PRIOR TO INSTALLING PIPE. REPORT DISCREPANCIES FROM PLANS IMMEDIATELY TO OWNER'S REPRESENTATIVE.
7. DEPTH AND LIMITS OF EXCAVATION BELOW BUILDING SHALL BE APPROVED BY ENGINEER PRIOR TO BACKFILL. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER AND CONFIRMING THAT THE INSPECTION HAS OCCURRED PRIOR TO BACKFILLING.
8. ADJUST ALL EXISTING MANHOLES AND VALVE BOXES, WITHIN THE LIMITS OF CONSTRUCTION, TO 1/4" BELOW FINISH GRADE.
9. ELEVATIONS SHOWN ARE TO PIPE INVERT, FLOW LINE, OR FINISH PAVEMENT SURFACE UNLESS NOTED OTHERWISE.
10. DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT, GRADE BREAK, EDGE OF CONCRETE, BACK OF CURB, OR FACE OF SIDEWALK UNLESS NOTED OTHERWISE.
11. ALL CURB RADII ARE MEASURED AT THE BACK OF CURB, EDGE OF CONCRETE, OR FACE OF SIDEWALK.
12. RESTORE ALL DISTURBED PROPERTY OUTSIDE OF WORK LIMITS TO ORIGINAL CONDITIONS.
13. DEWATERING MAY BE REQUIRED FOR ALL EXCAVATIONS THAT PENETRATE THE GROUND WATER SURFACE. WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORT MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS, ARE OBTAINED BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO DIVERT WATER FROM THE EXCAVATION ONTO ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR ALL NECESSARY PERMITS AND APPROVALS.
14. THE CONTRACTOR SHALL FOLLOW ALL CITY OF KETCHIKAN REGULATIONS FOR NOISE, HOURS OF OPERATIONS, AND DUST CONTROL.
15. THE AUTOCAD FILE FOR THIS SITE PLAN WILL BE PROVIDED TO THE CONSTRUCTION SURVEYOR FOR USE IN STAKING THE LOCATION OF THE SITE IMPROVEMENTS. A LIST OF COORDINATES IS PROVIDED ON THIS SHEET FOR THE SURVEYOR TO CHECK AGAINST THE COORDINATES THEY OBTAIN FROM THE AUTOCAD FILE. THE SURVEYOR SHALL INFORM THE ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
16. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL PROPOSED SITE FEATURES NOT SPECIFICALLY IDENTIFIED ON CIVIL SHEETS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.

AECC561

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35%  
SCHEMATIC  
DESIGN

KETCHIKAN GATEWAY BOROUGH

**REC CENTER ADDITION**

601 SCHOENBAR RD. KETCHIKAN, AK 99901

**Revisions**

No.	Description	Date

Drawn by MAC	Date 03-27-2024
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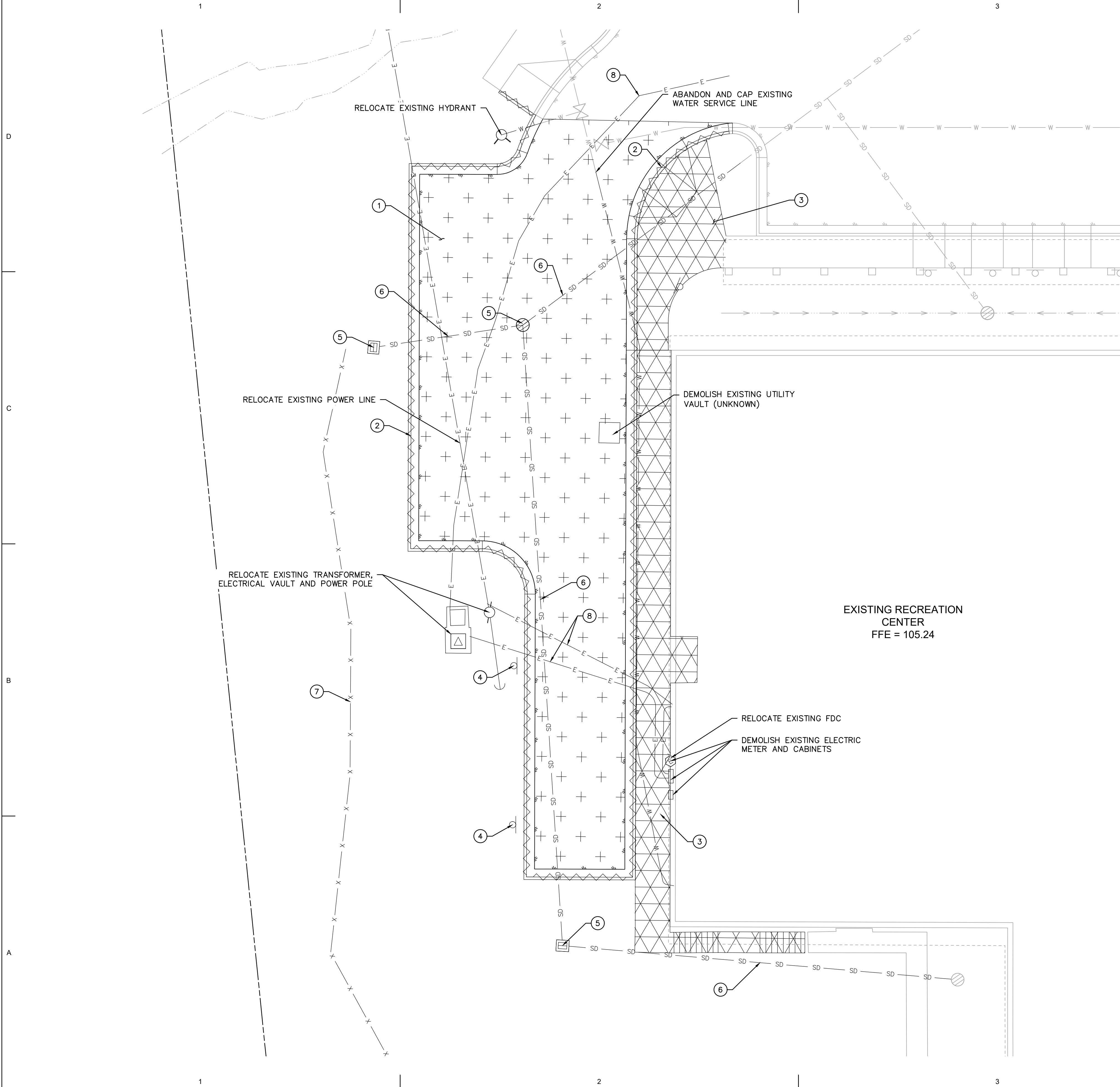
**Sheet Contents**

COVER SHEET

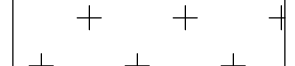
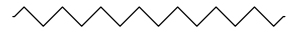

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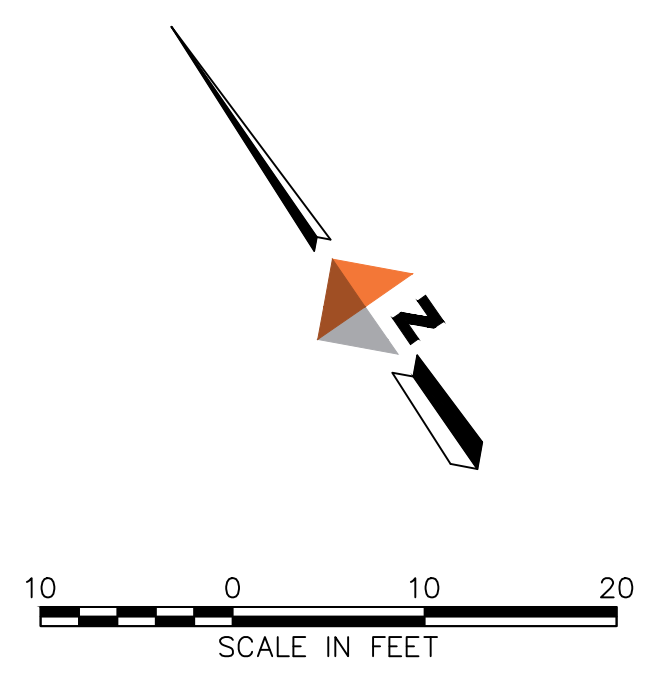
**DEMOLITION LEGEND**

-  ASPHALT PAVEMENT REMOVAL AREA
-  CURB REMOVAL LIMITS
-  PCC REMOVAL AREA

**DEMOLITION KEY NOTES**

- ① REMOVE EXISTING ASPHALT
- ② REMOVE EXISTING CURB AND GUTTER
- ③ REMOVE EXISTING PCC SIDEWALK
- ④ REMOVE EXISTING NO PARKING SIGNS
- ⑤ REMOVE EXISTING CATCH BASIN/AREA DRAIN
- ⑥ REMOVE EXISTING STORM DRAIN
- ⑦ REMOVE EXISTING FENCE
- ⑧ REMOVE EXISTING ELECTRICAL SERVICE

EXISTING RECREATION CENTER  
FFE = 105.24



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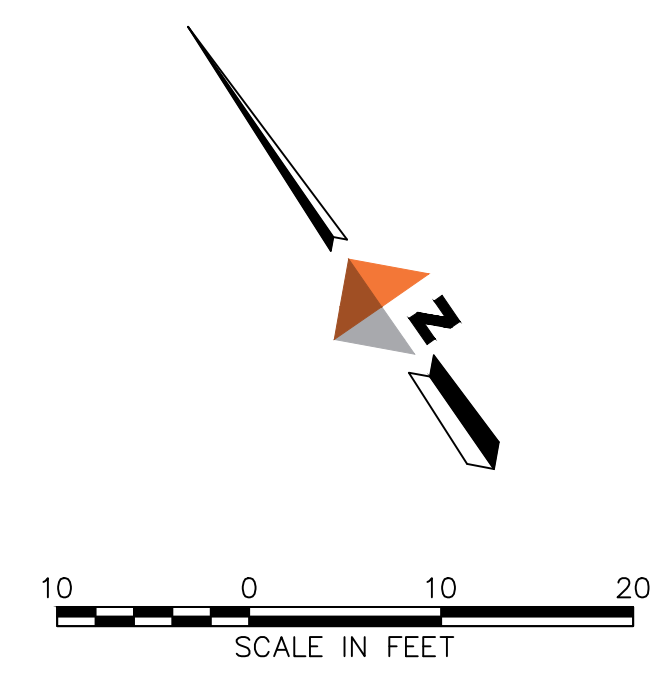
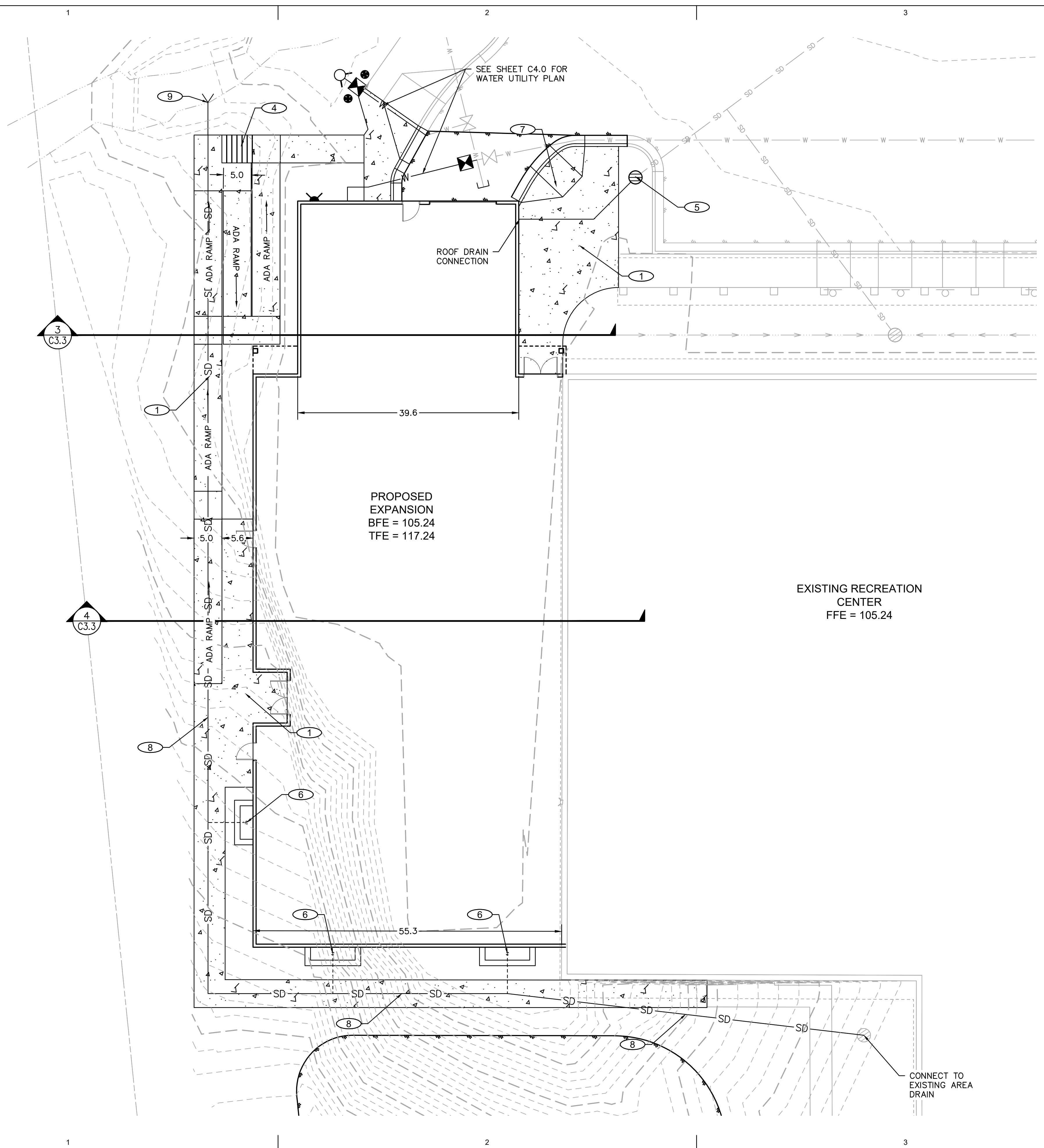
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Checked BSD	Job No. 1180.63898.01

Sheet Contents  
 DEMOLITION PLAN

Sheet No.  
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**SITE PLAN KEY NOTES**

- ① CONSTRUCT CONCRETE SIDEWALK  
SEE DETAIL 1, SHEET C3.3
- ② CONSTRUCT ASPHALT PARKING LOT  
SEE DETAIL 2, SHEET C3.3
- ③ CONSTRUCT TYPE I CURB AND GUTTER  
SEE DETAIL 2, SHEET C3.0
- ④ CONSTRUCT CONCRETE STAIRS  
SEE DETAIL 3, SHEET C3.2
- ⑤ INSTALL NEW AREA DRAIN  
CONNECT TO ROOF DRAIN
- ⑥ INSTALL WINDOW WELL AREA DRAIN
- ⑦ CONSTRUCT CURB RAMP  
SEE DETAIL 4, SHEET C3.2
- ⑧ INSTALL STORM DRAIN LINE
- ⑨ CONSTRUCT OUTFALL WITH FLARED END SECTION  
SEE DETAILS 5 & 6, SHEET C3.2

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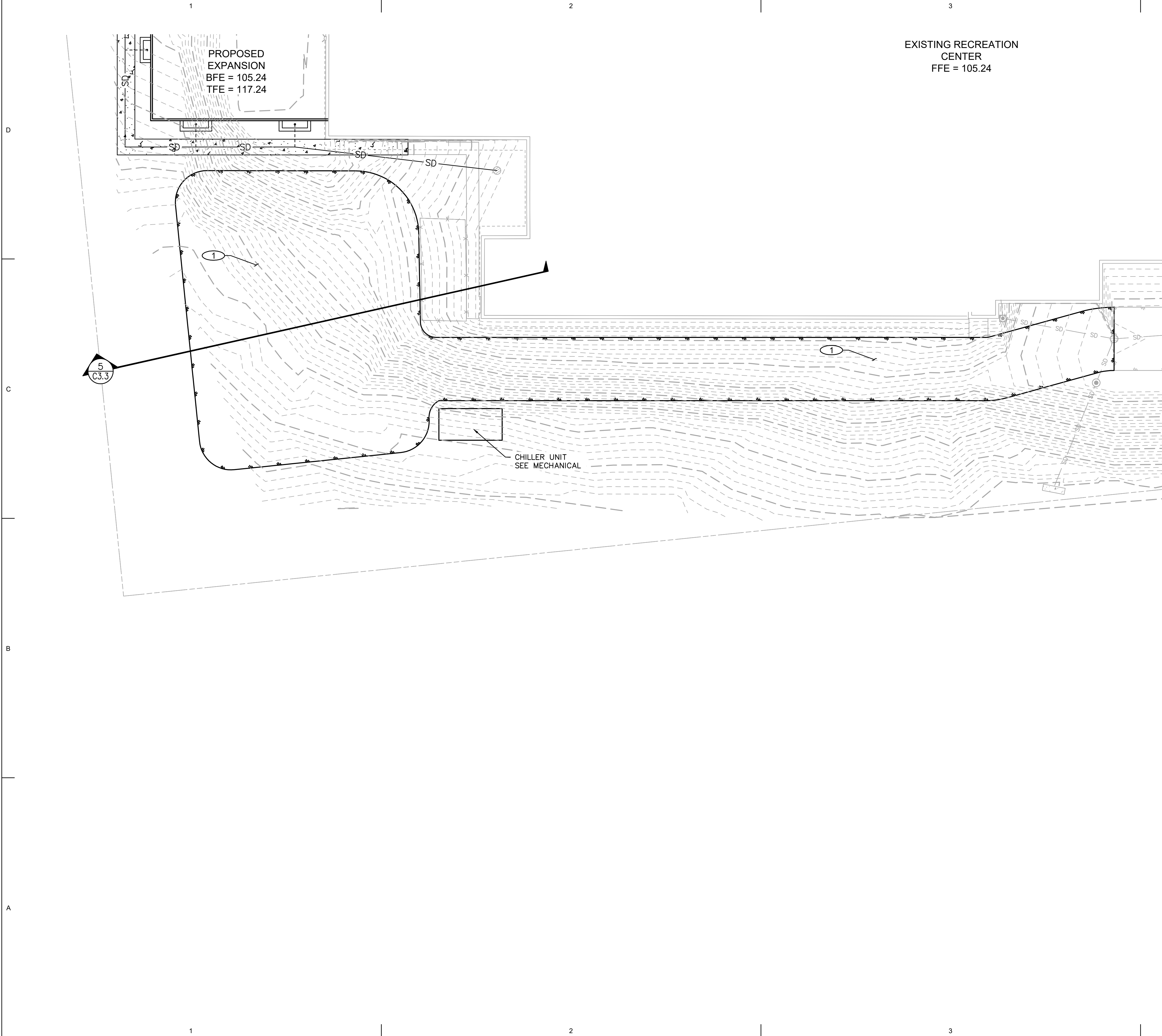
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Sheet Contents  
SITE LAYOUT

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**SITE PLAN KEY NOTES**

① CONSTRUCT ASPHALT FIRE LANE AND TURN-AROUND AREA  
SEE DETAIL 2, SHEET C3.3

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No.	Description	Date

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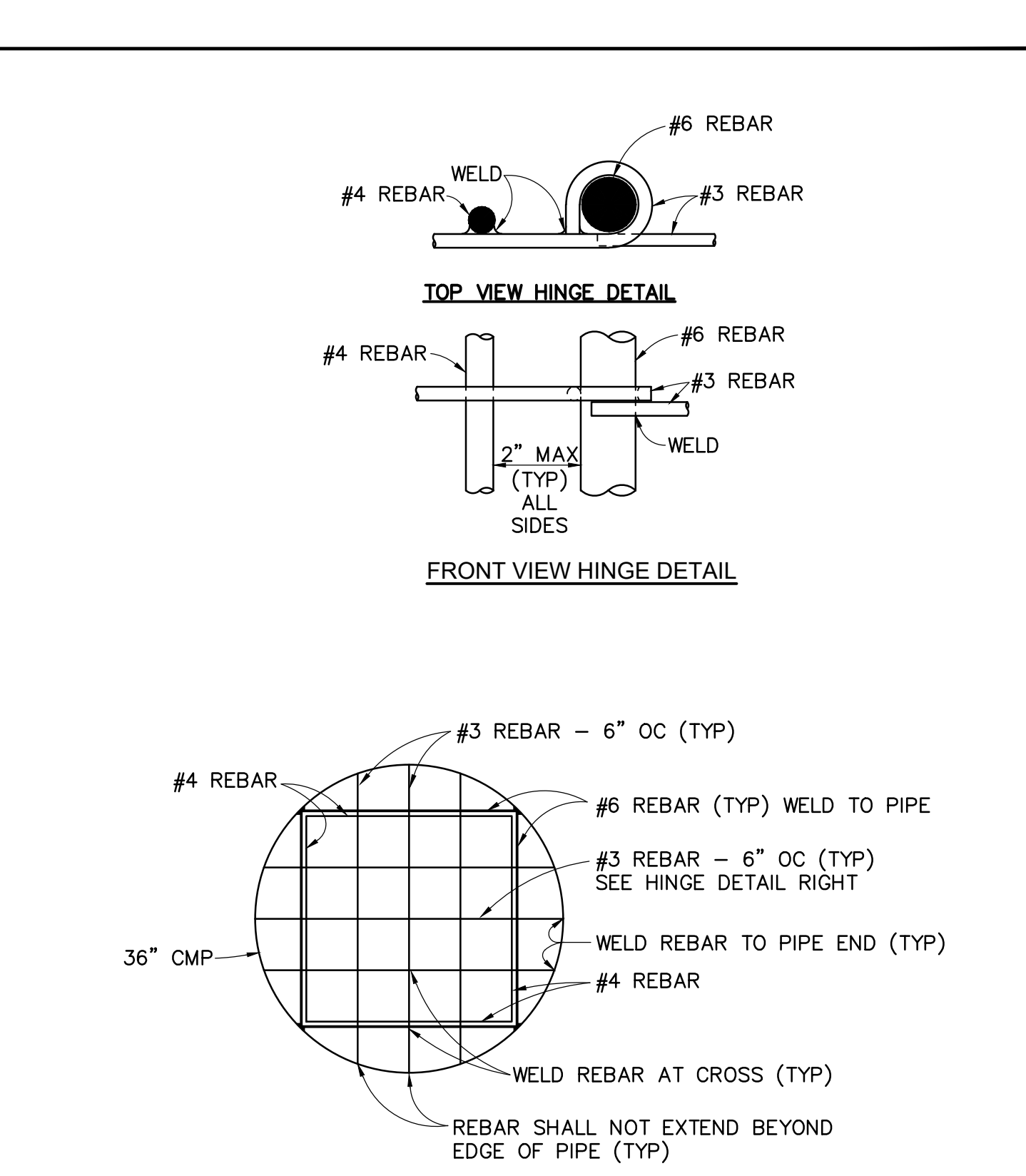
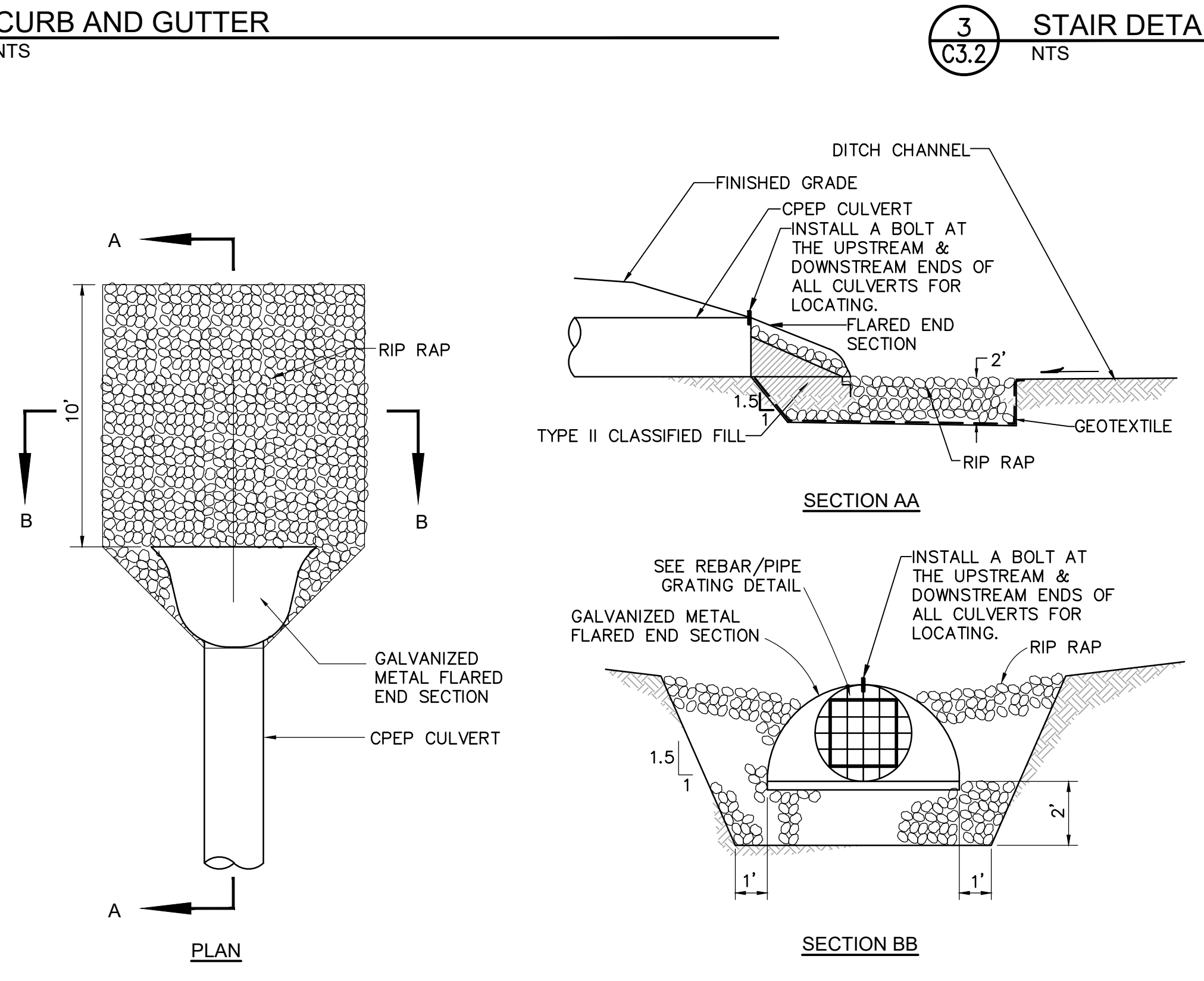
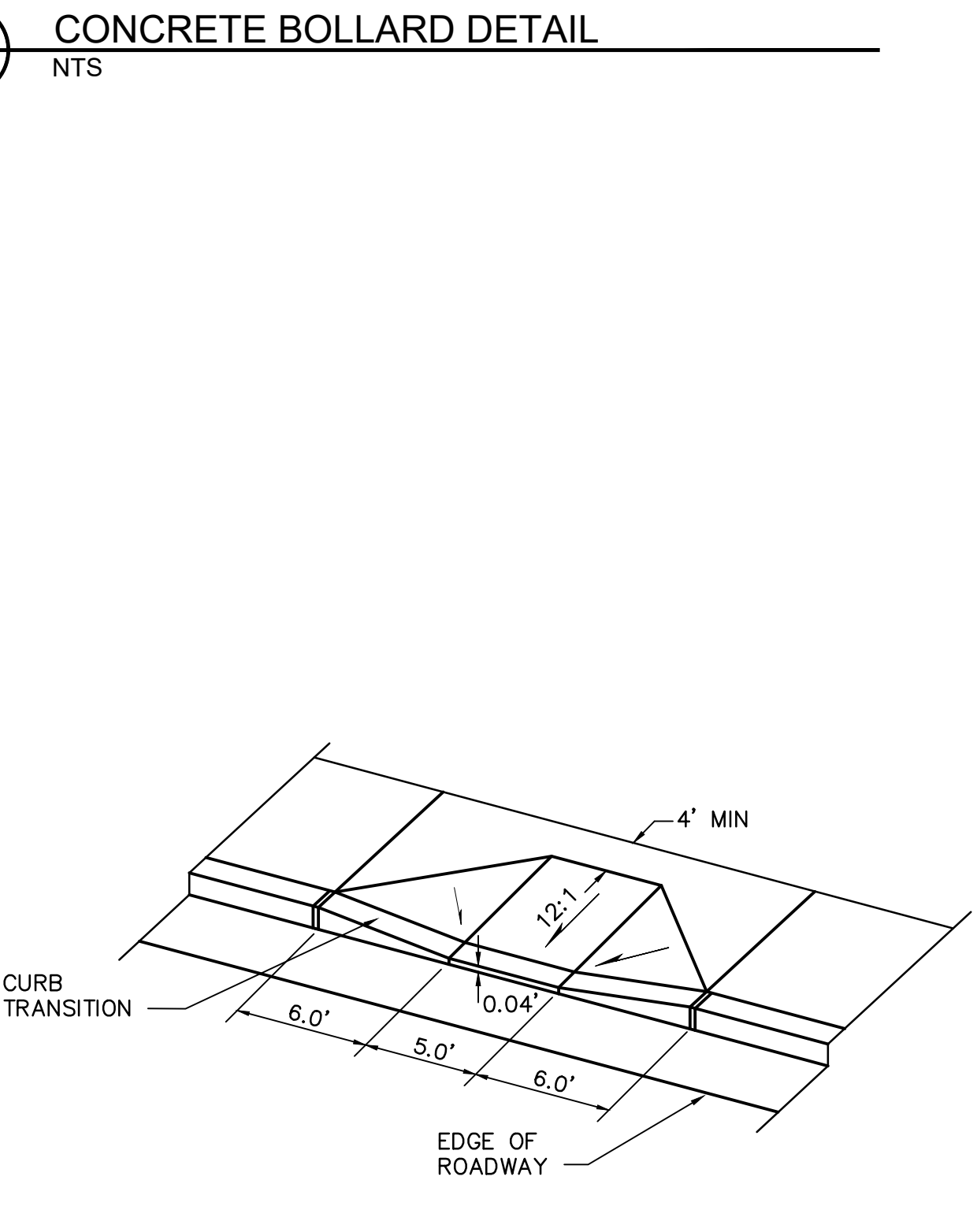
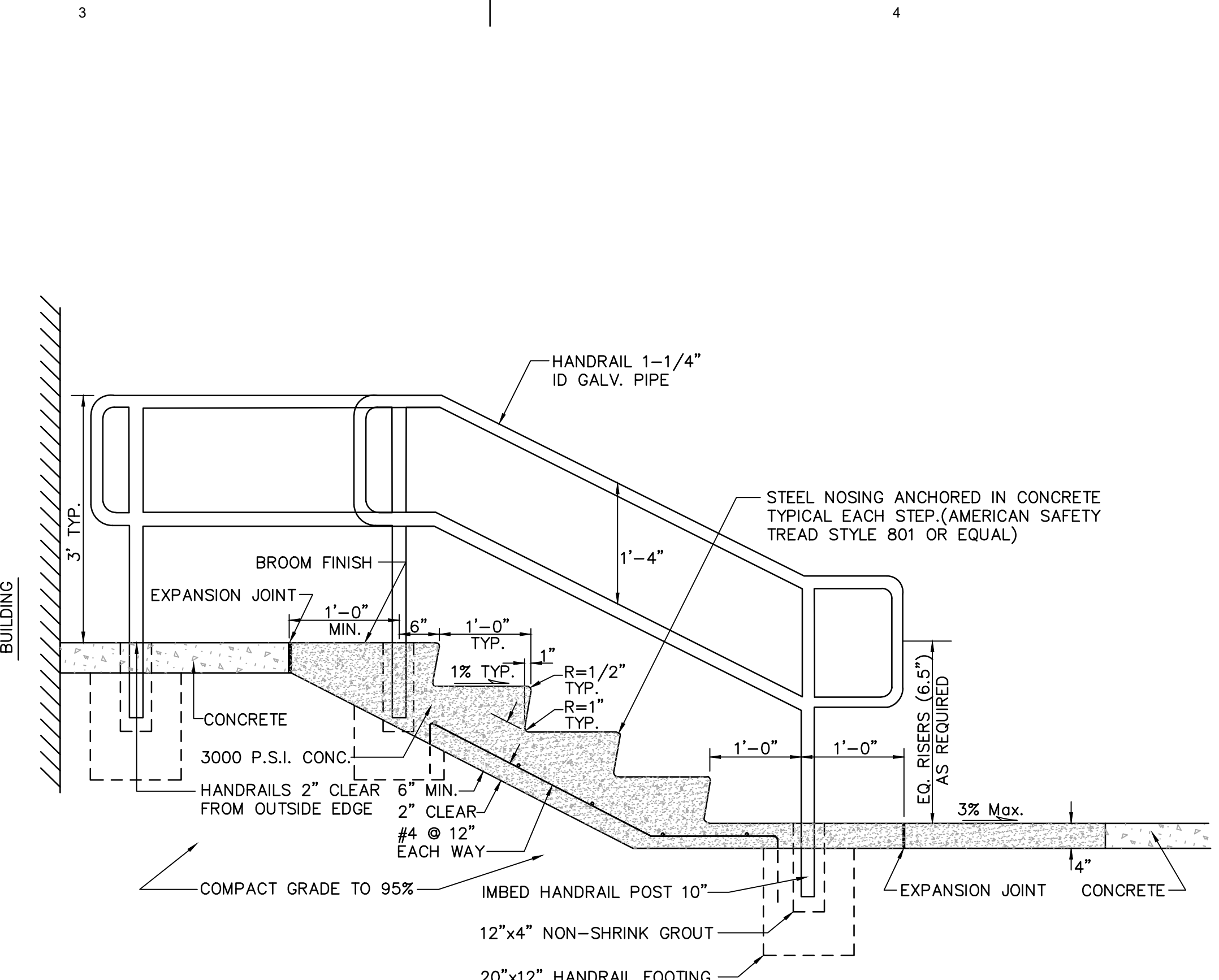
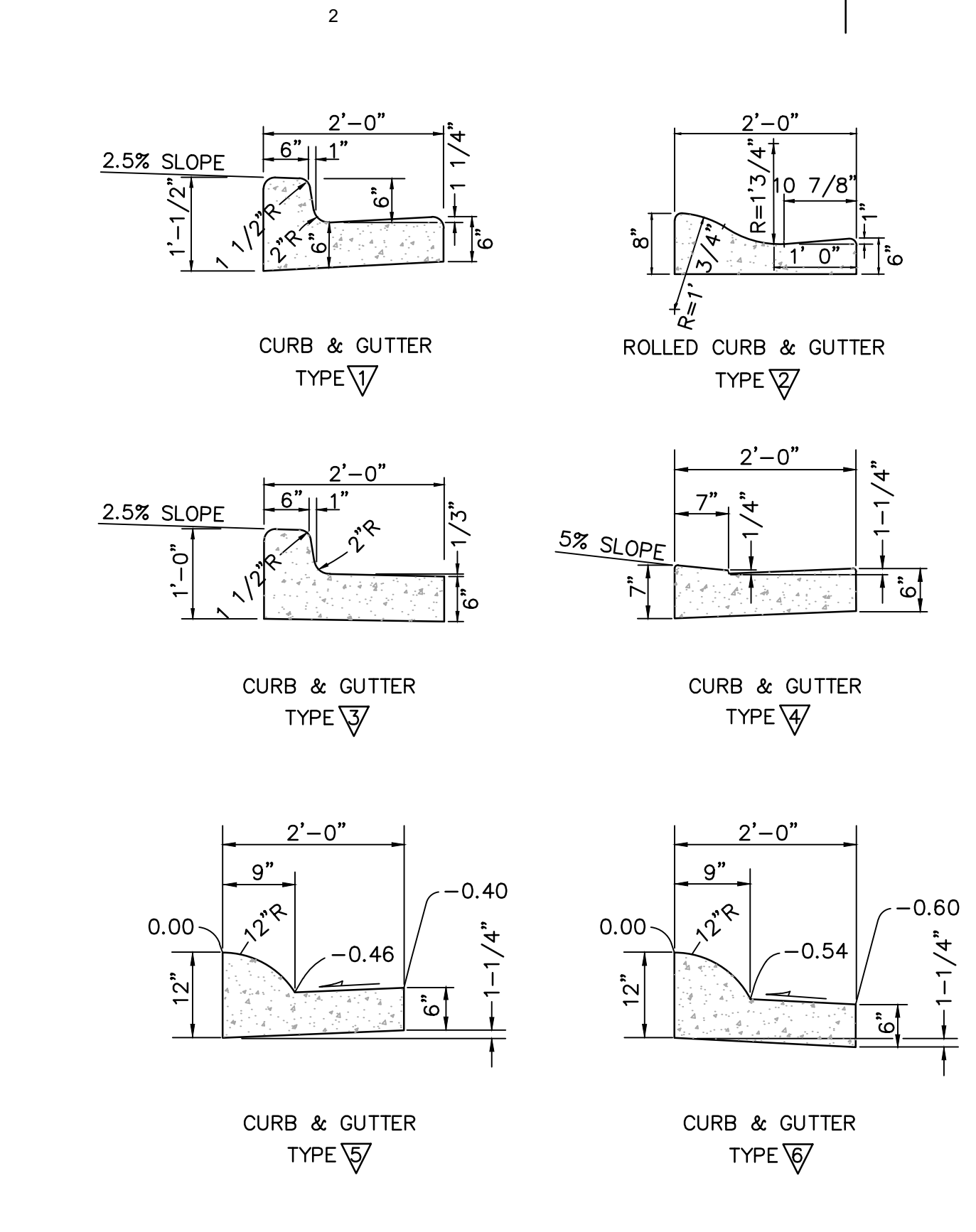
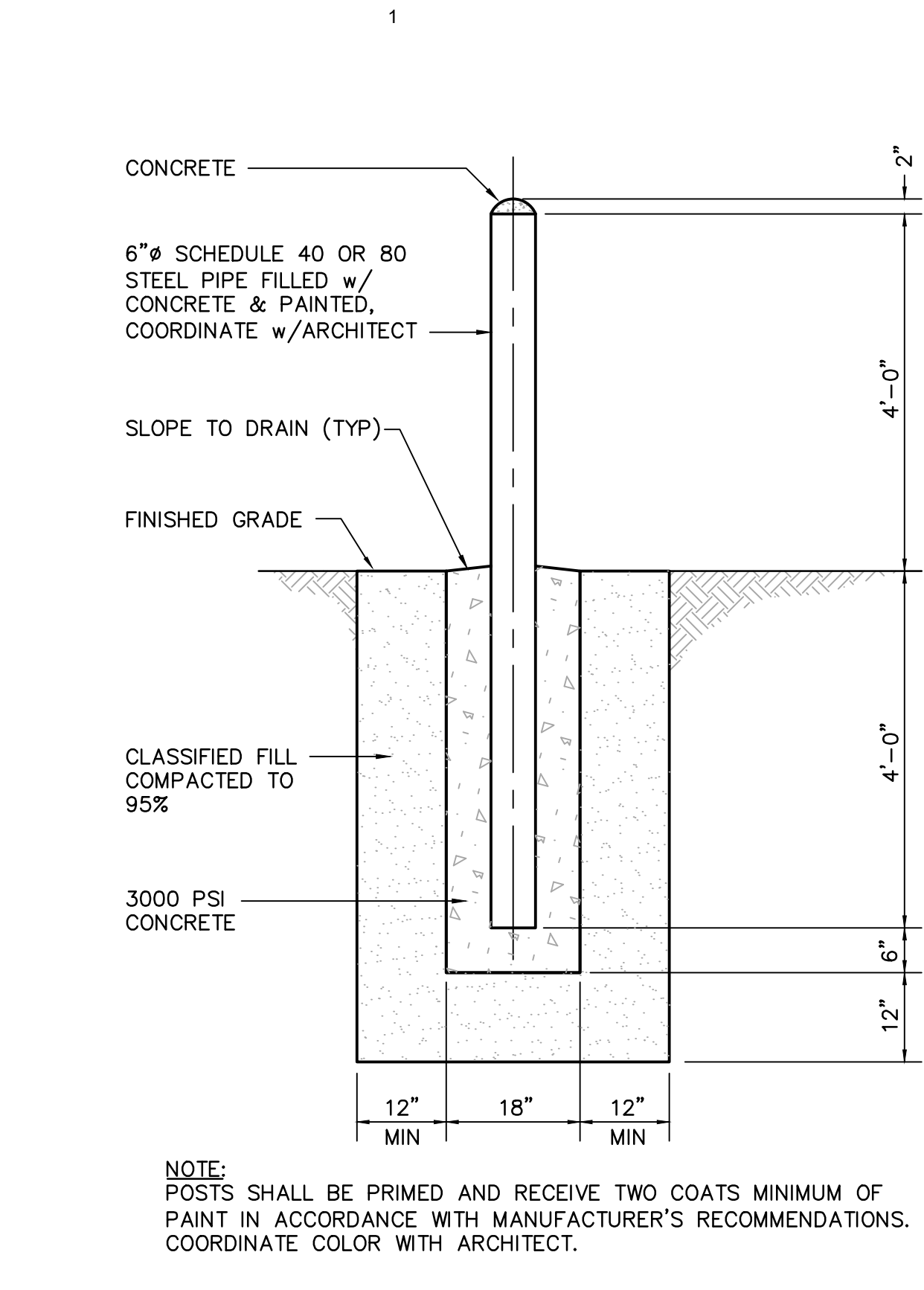
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Sheet Contents  
SITE DETAILS

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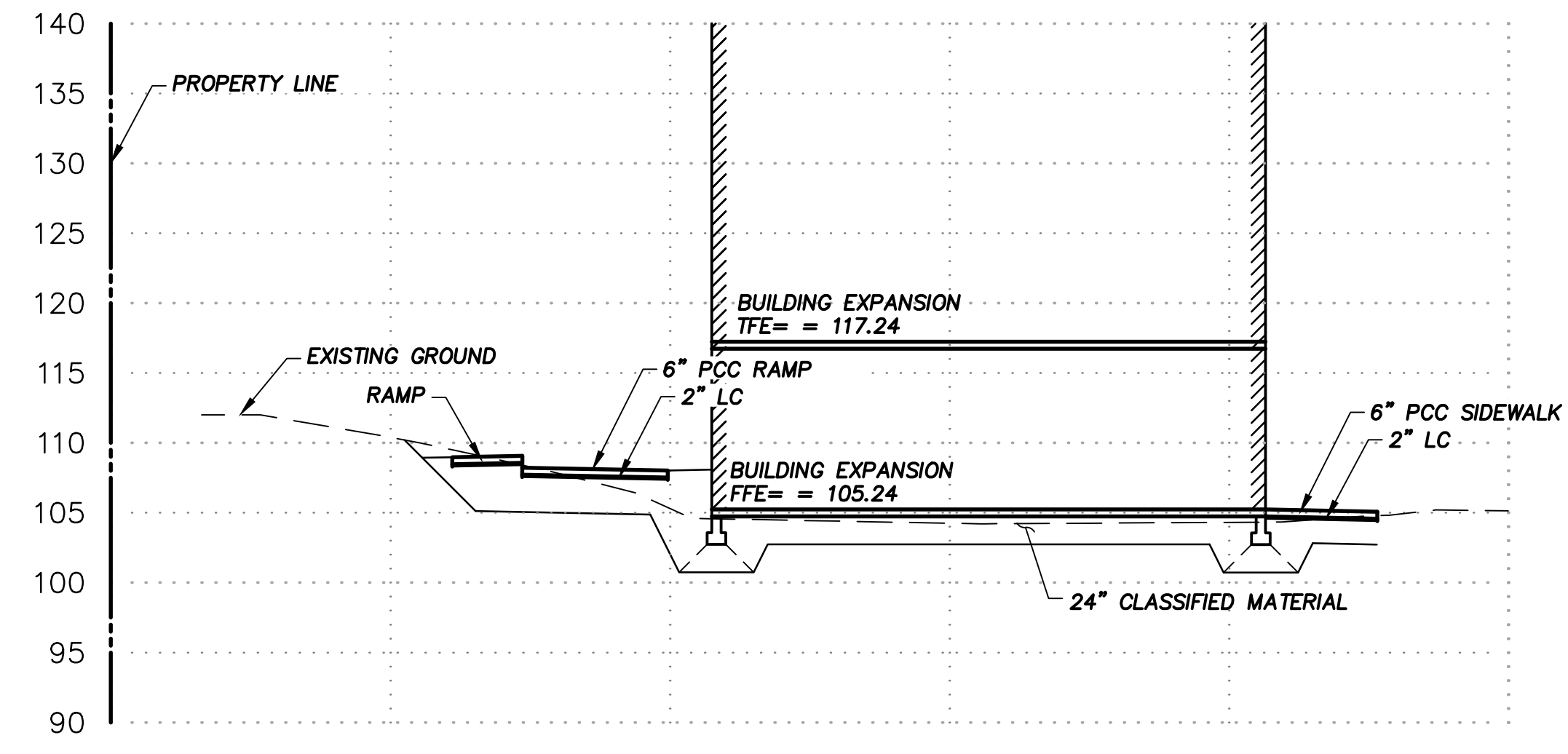


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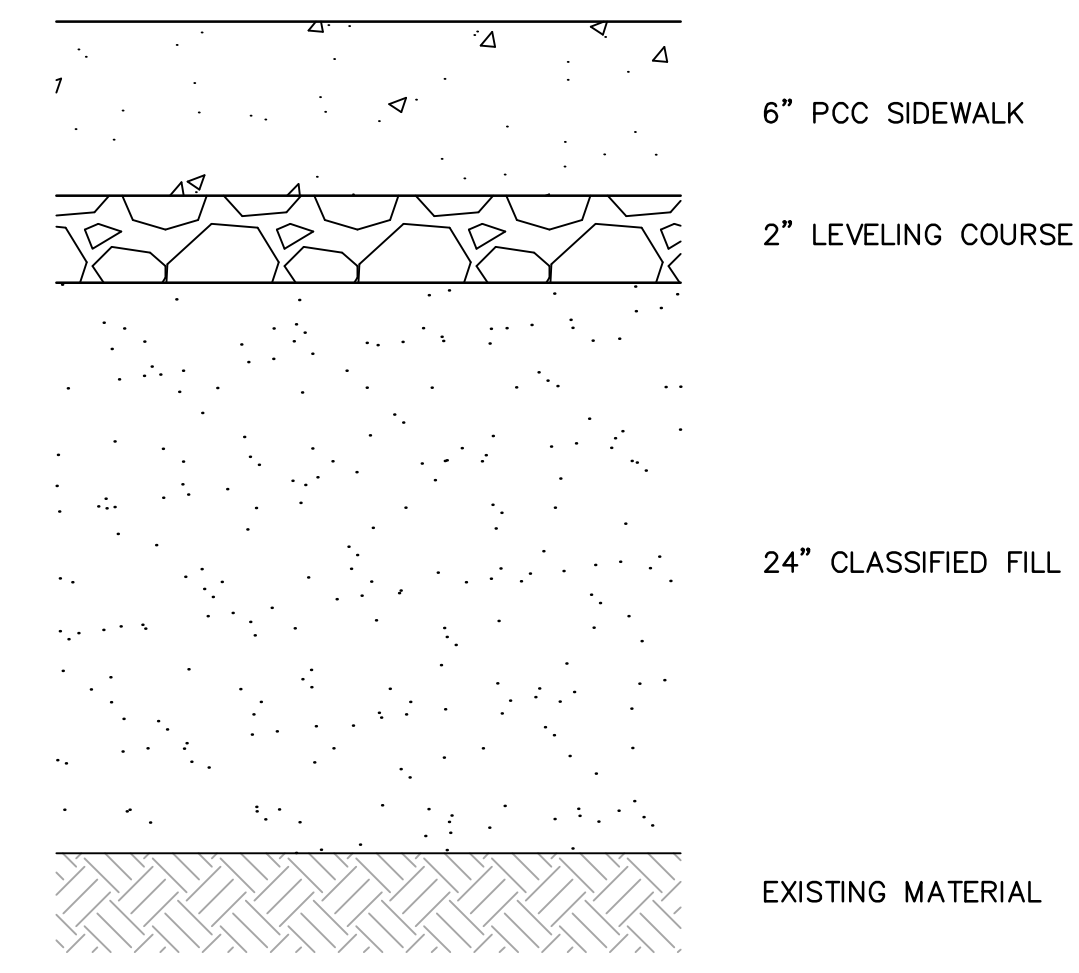
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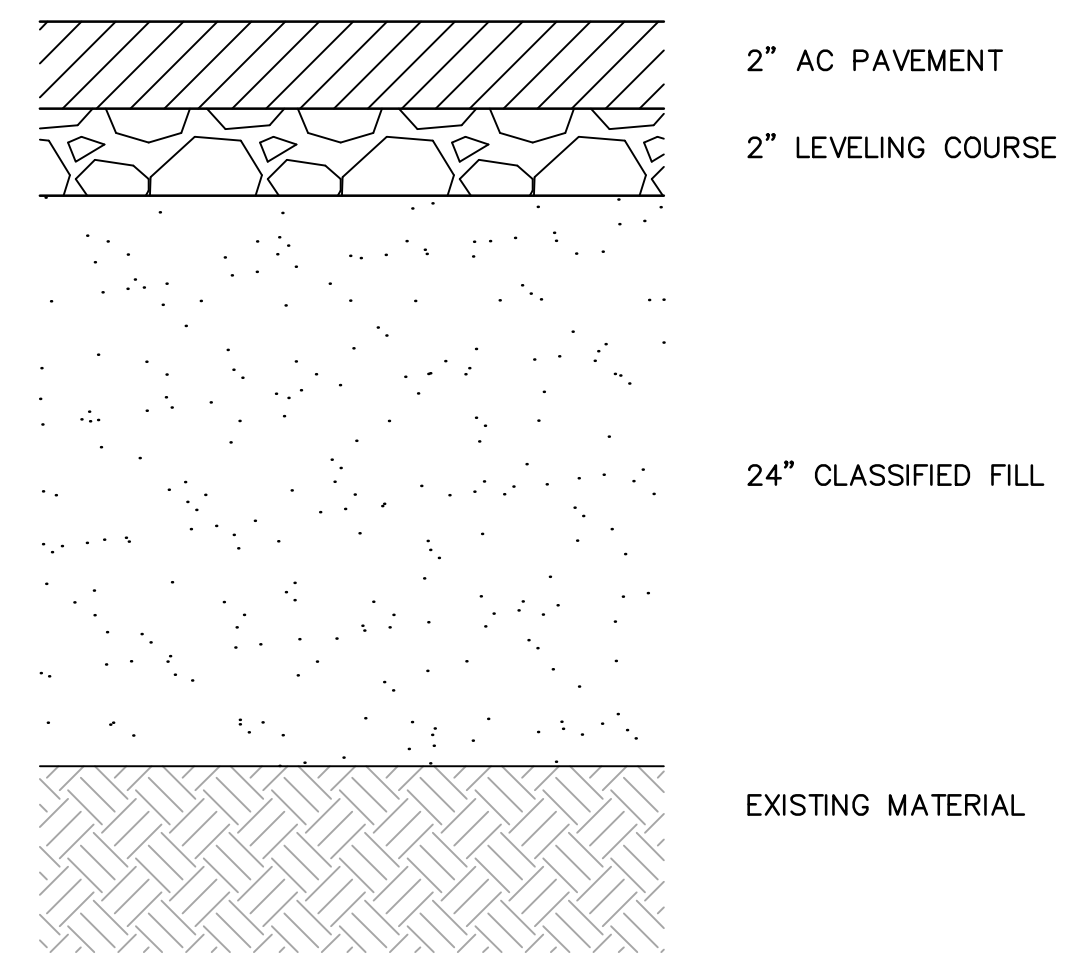
Sheet Contents SITE SECTIONS
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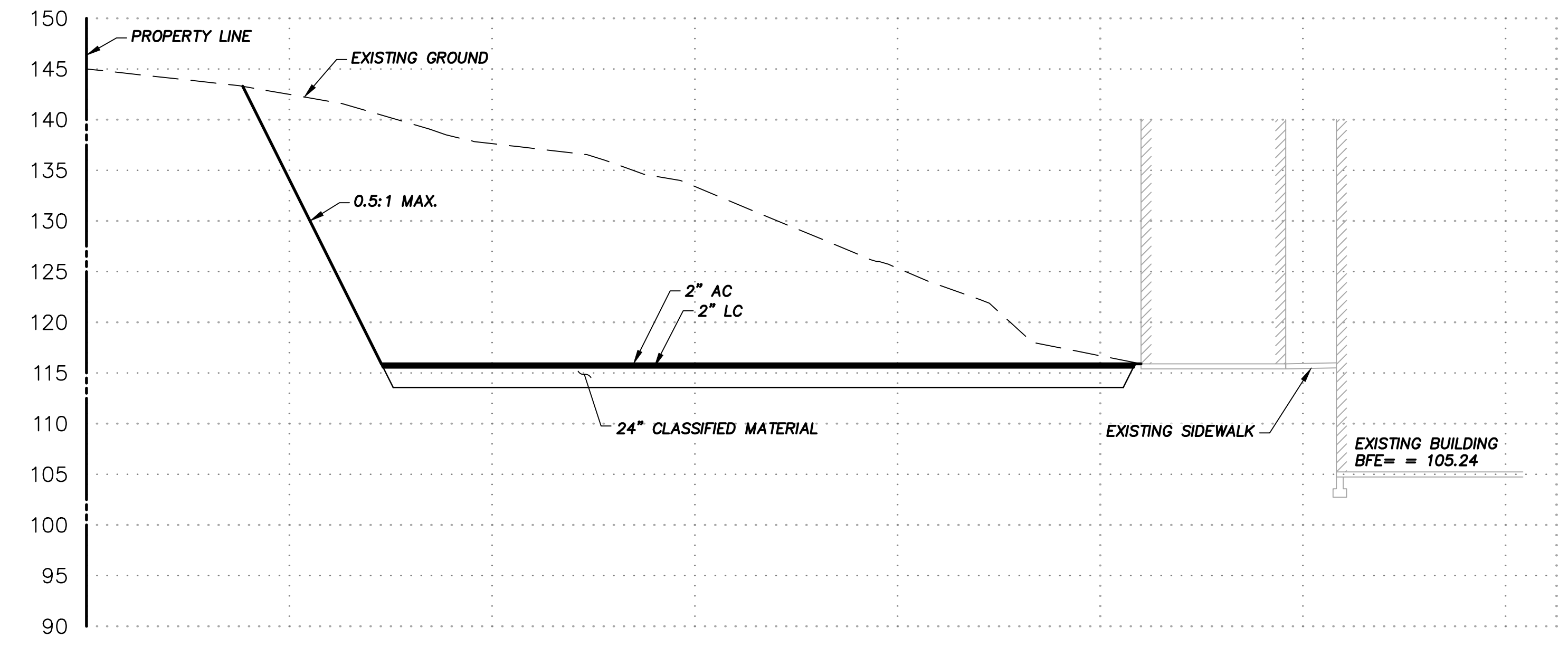
3 ASPHALT PARKING LOT SECTION  
C3.3 NTS



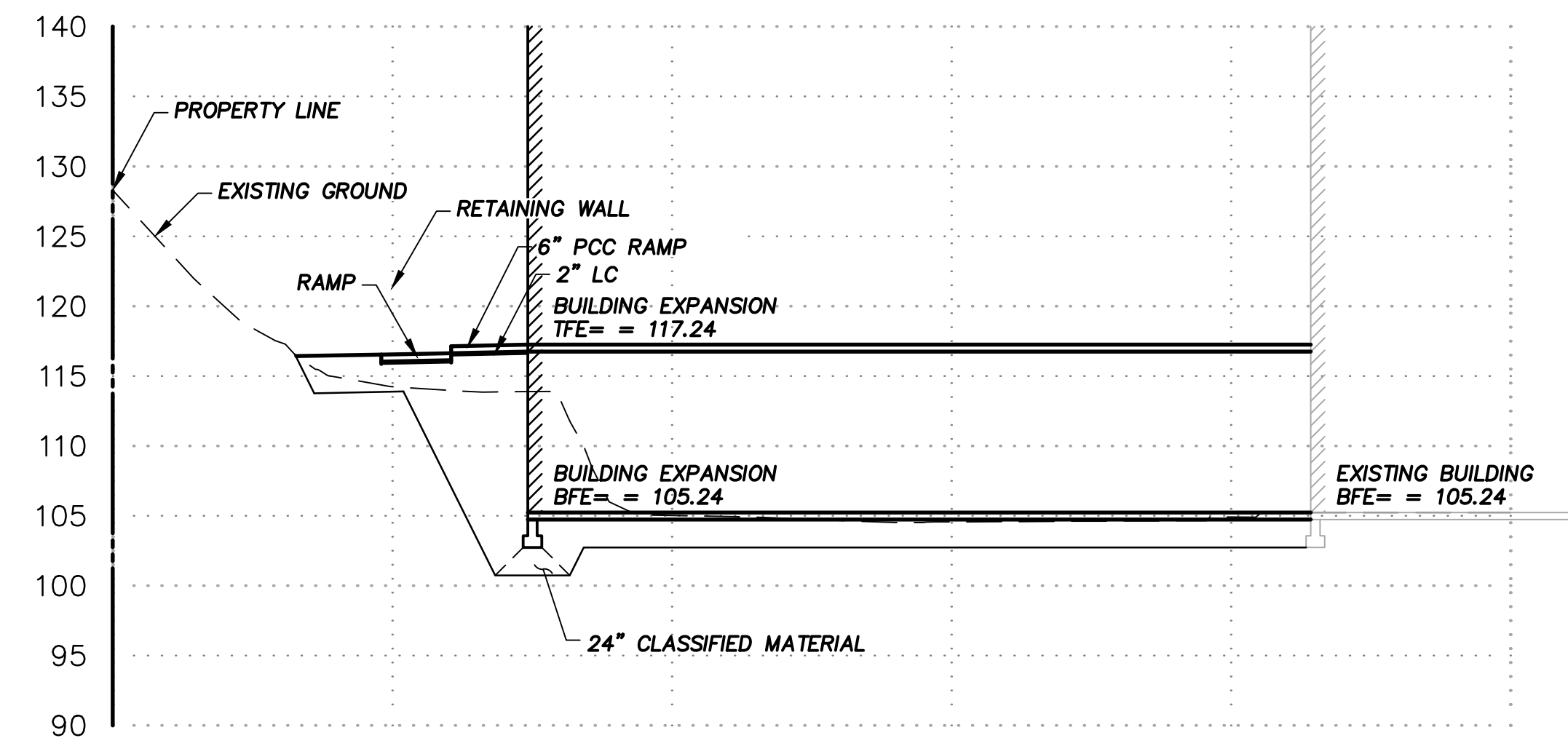
2 PCC SIDEWALK SECTION  
C3.3 NTS



1 ASPHALT PARKING LOT SECTION  
C3.3 NTS



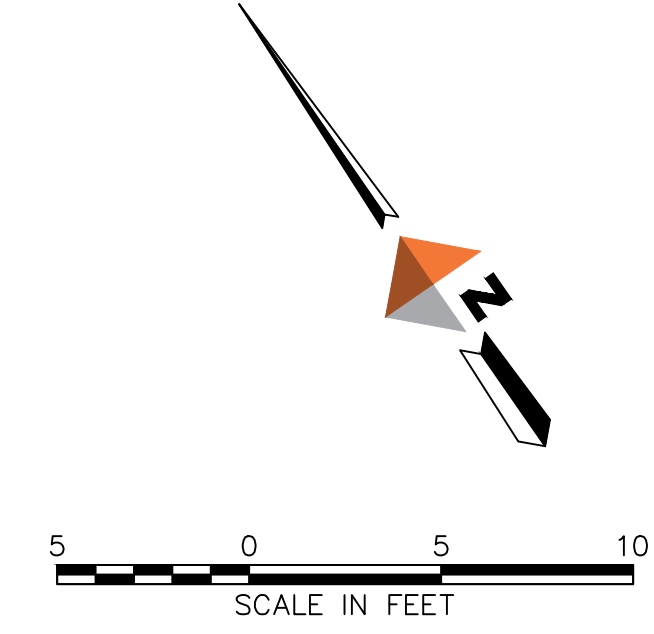
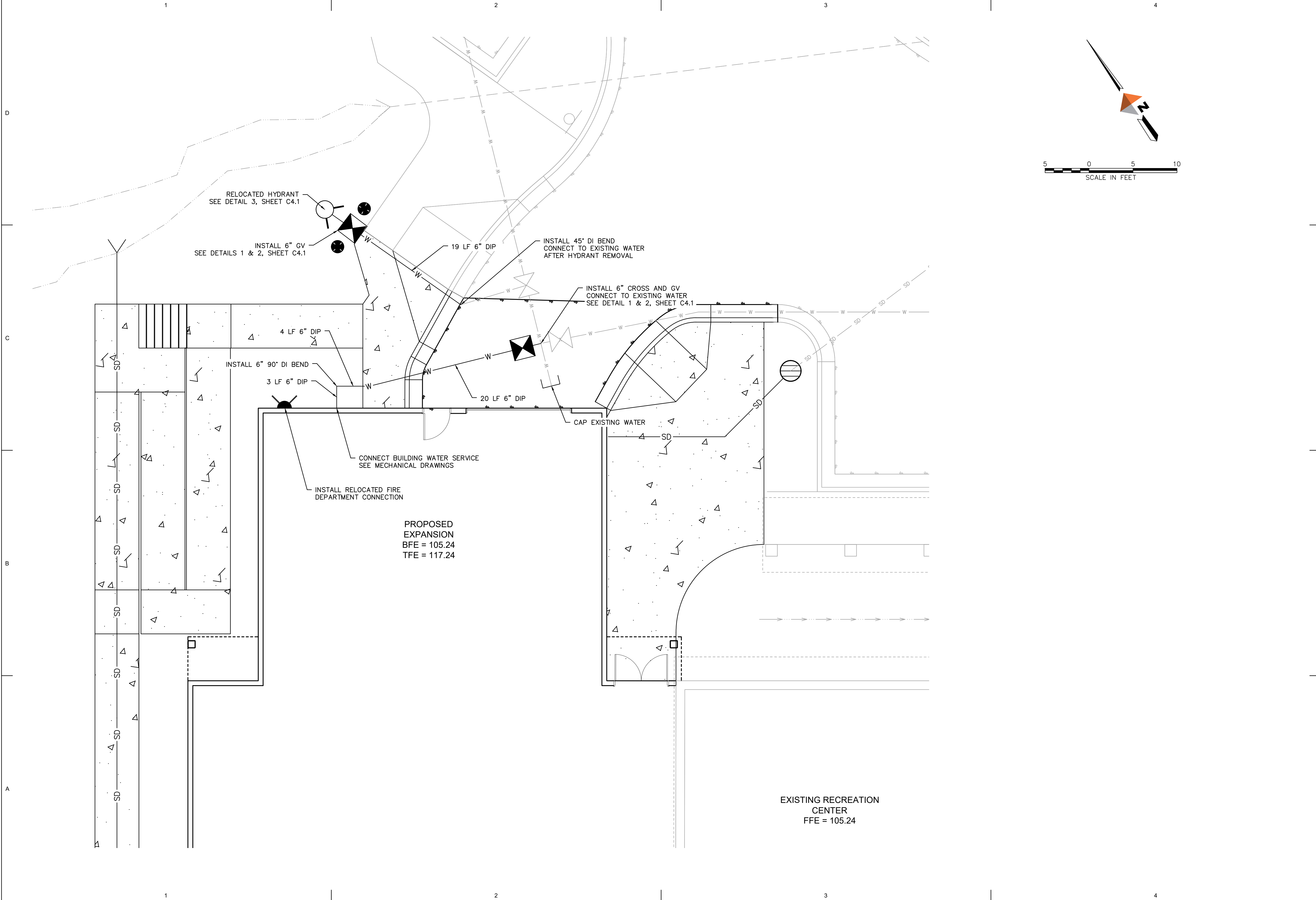
5 FIRE TURNAROUND SECTION  
C3.3 NTS



4 BUILDING EXPANSION SECTION  
C3.3 NTS

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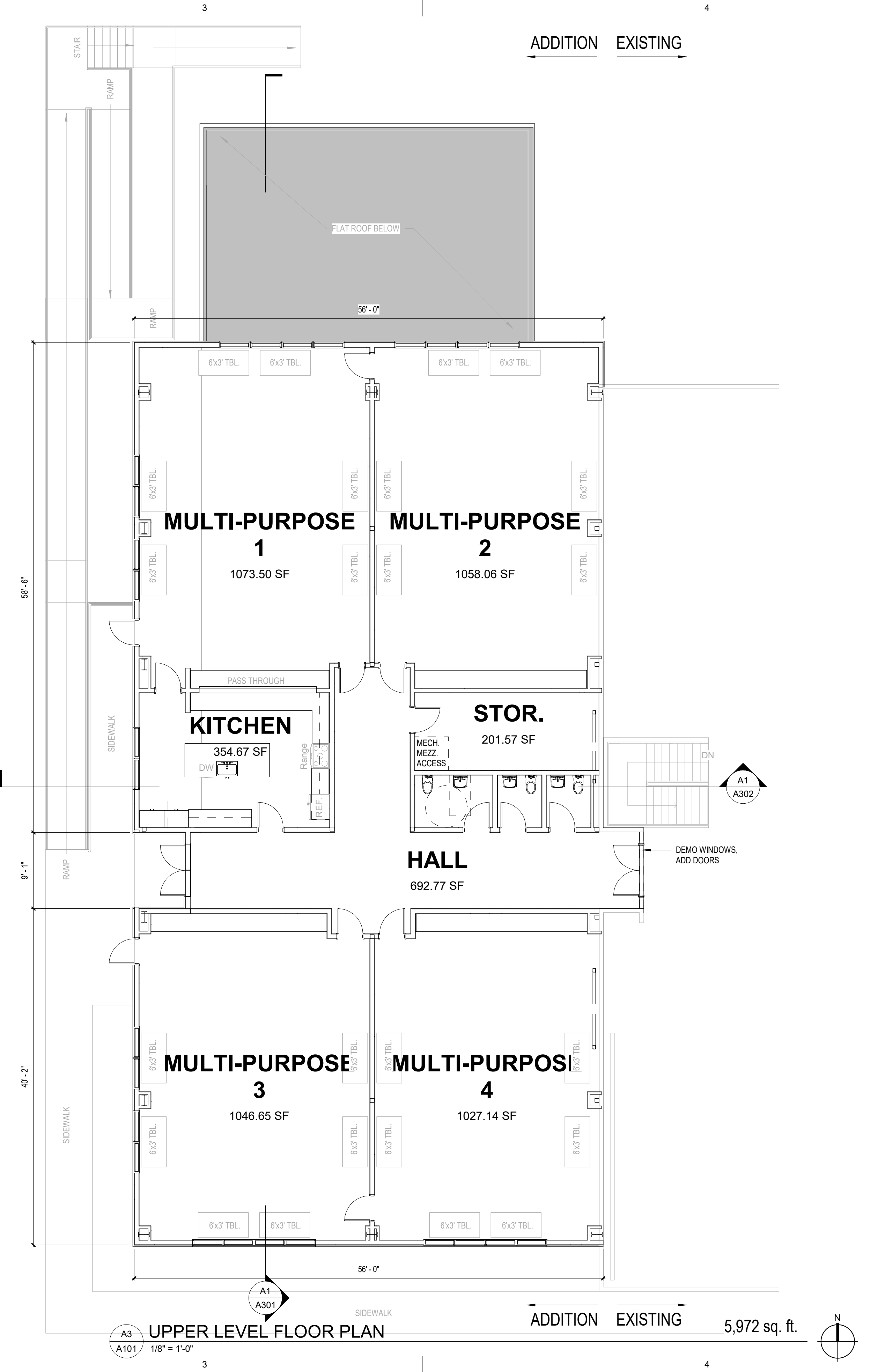
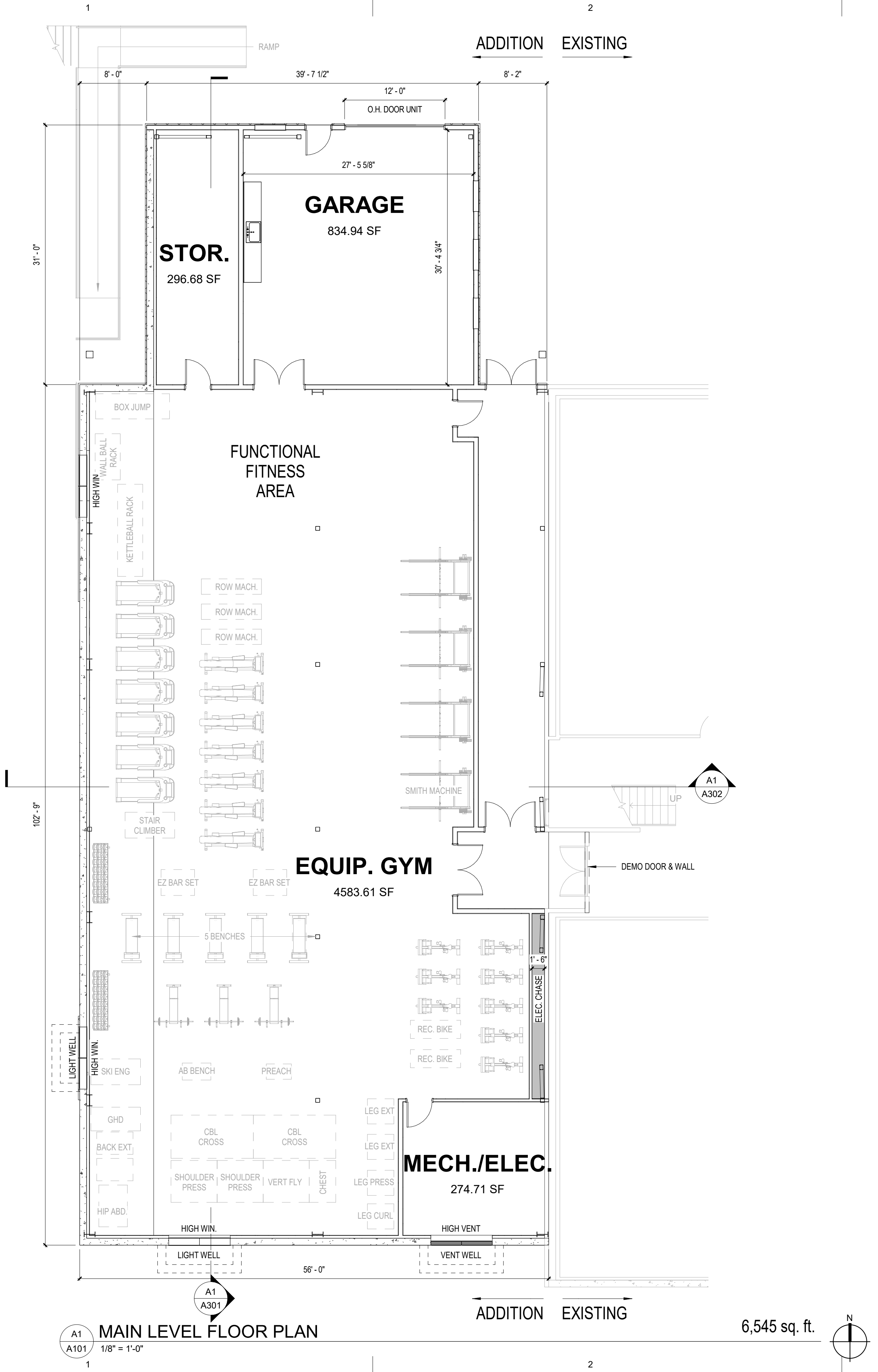
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Sheet Contents  
SITE UTILITY PLAN

Sheet No.  
**C4.0**



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Sheet Contents  
FLOOR PLANS

Sheet No.  
**A101**

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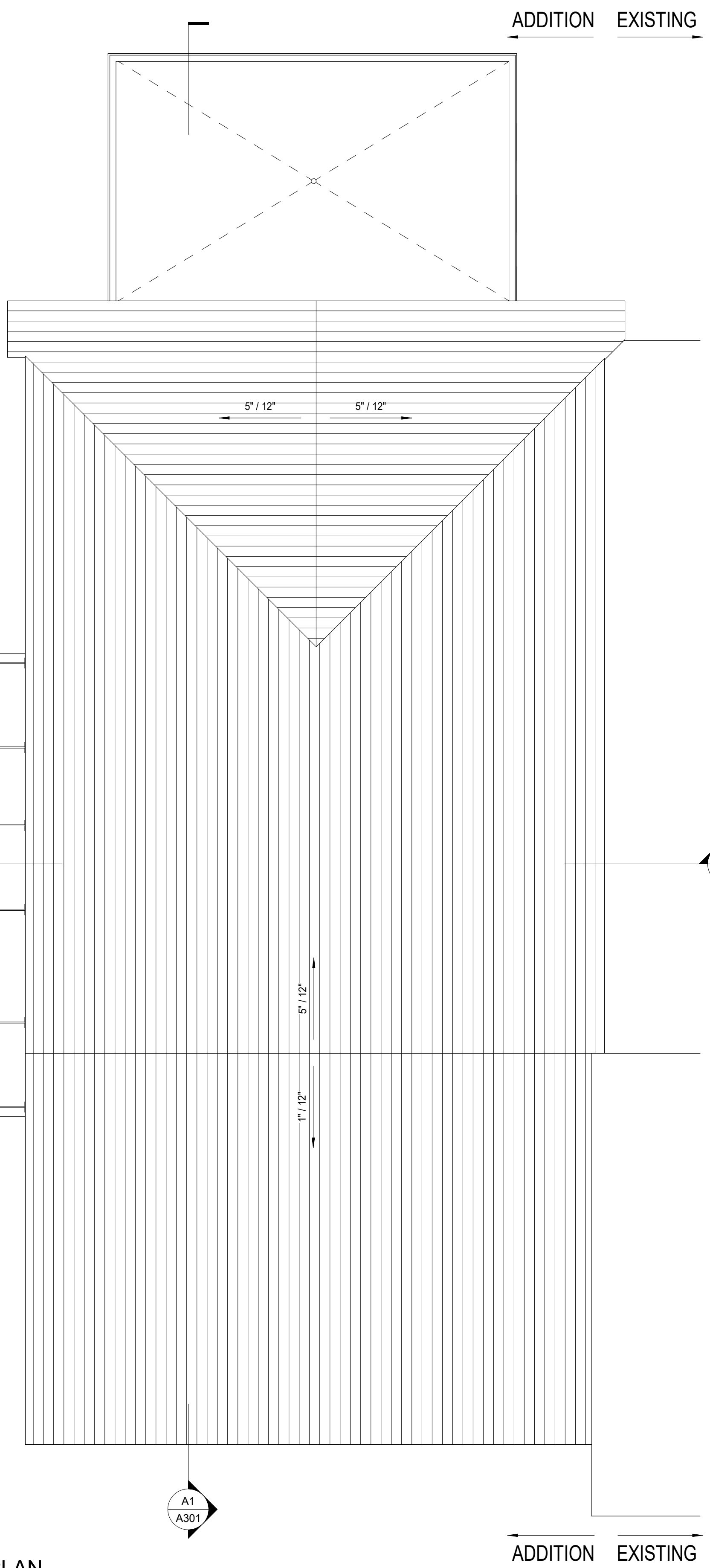
A

1

2

3

4



ADDITION EXISTING

ADDITION EXISTING

**A2**  
**A102** **ROOF PLAN**  
 1/8" = 1'-0"

A1  
A301

A1  
A302

AECC561

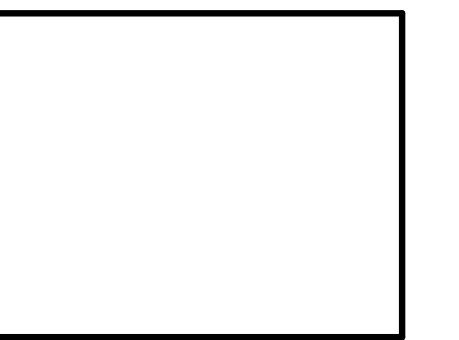


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Sheet Contents  
 ROOF PLAN

Sheet No.  
**A102**

1

2

3

4

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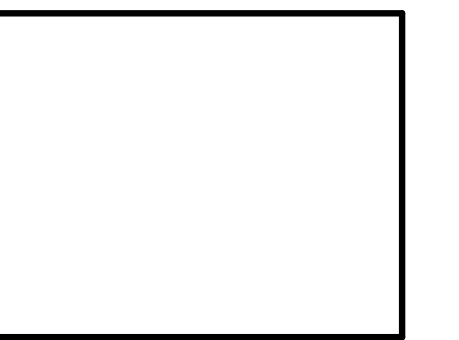


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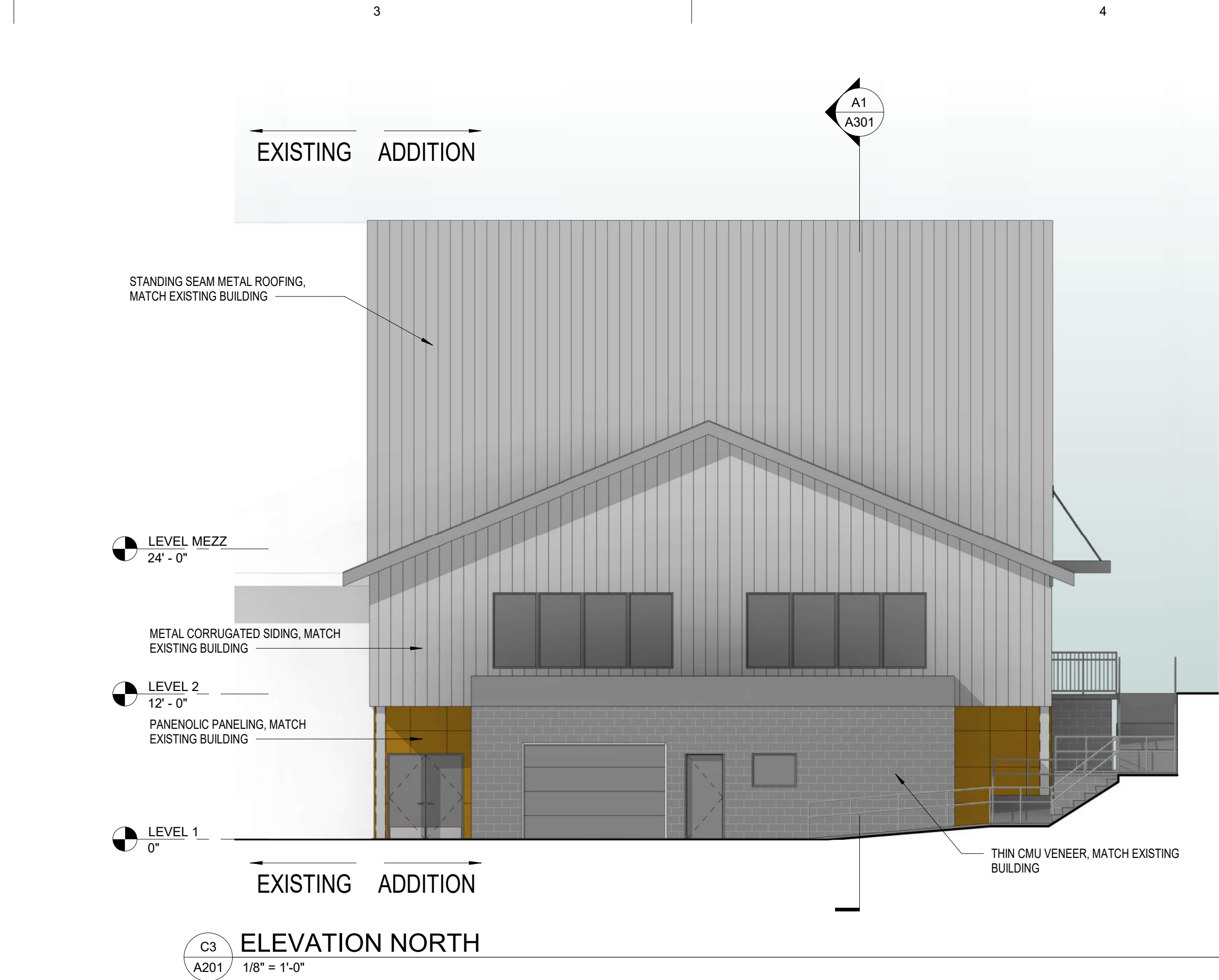
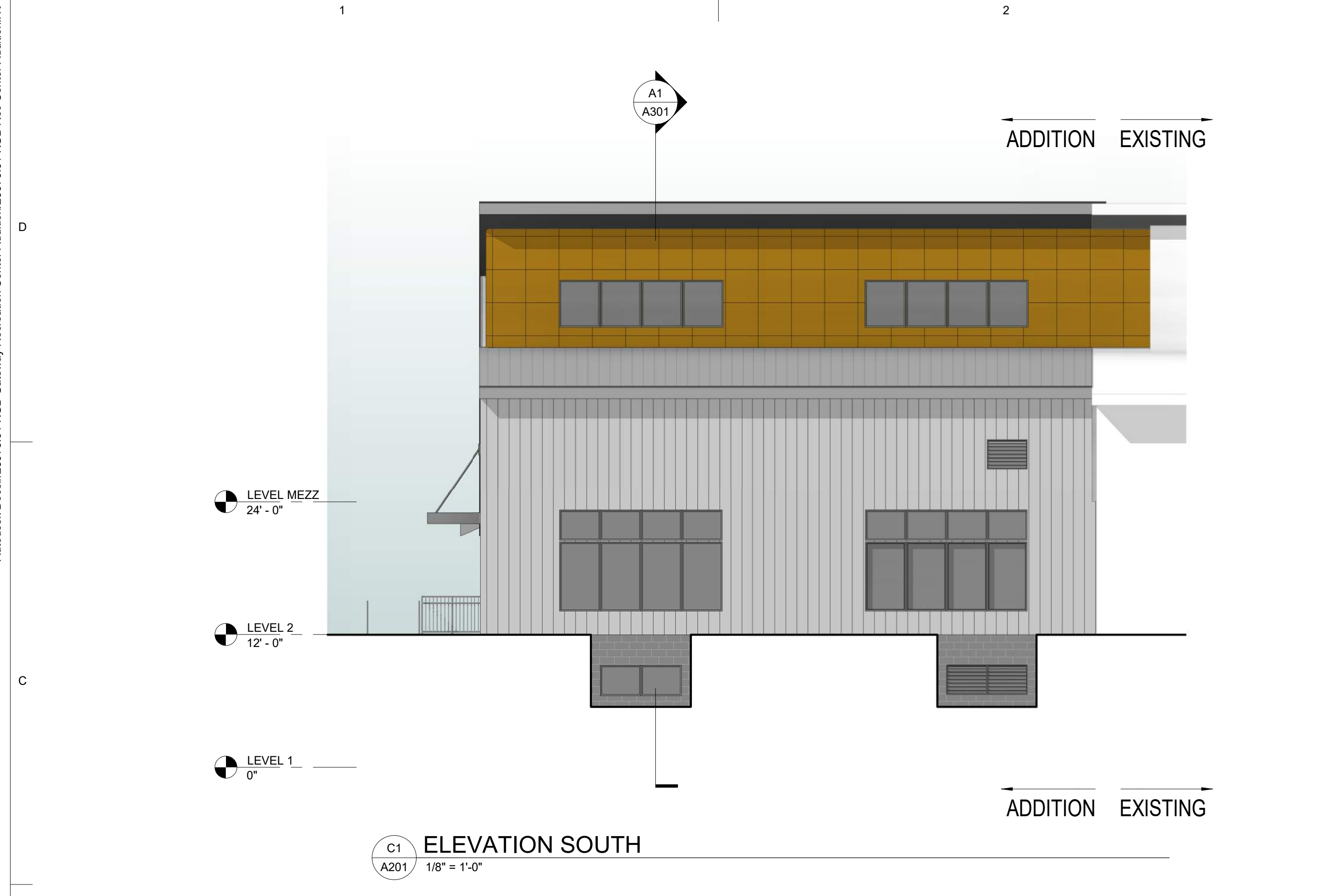
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Sheet Contents  
EXTERIOR ELEVATIONS

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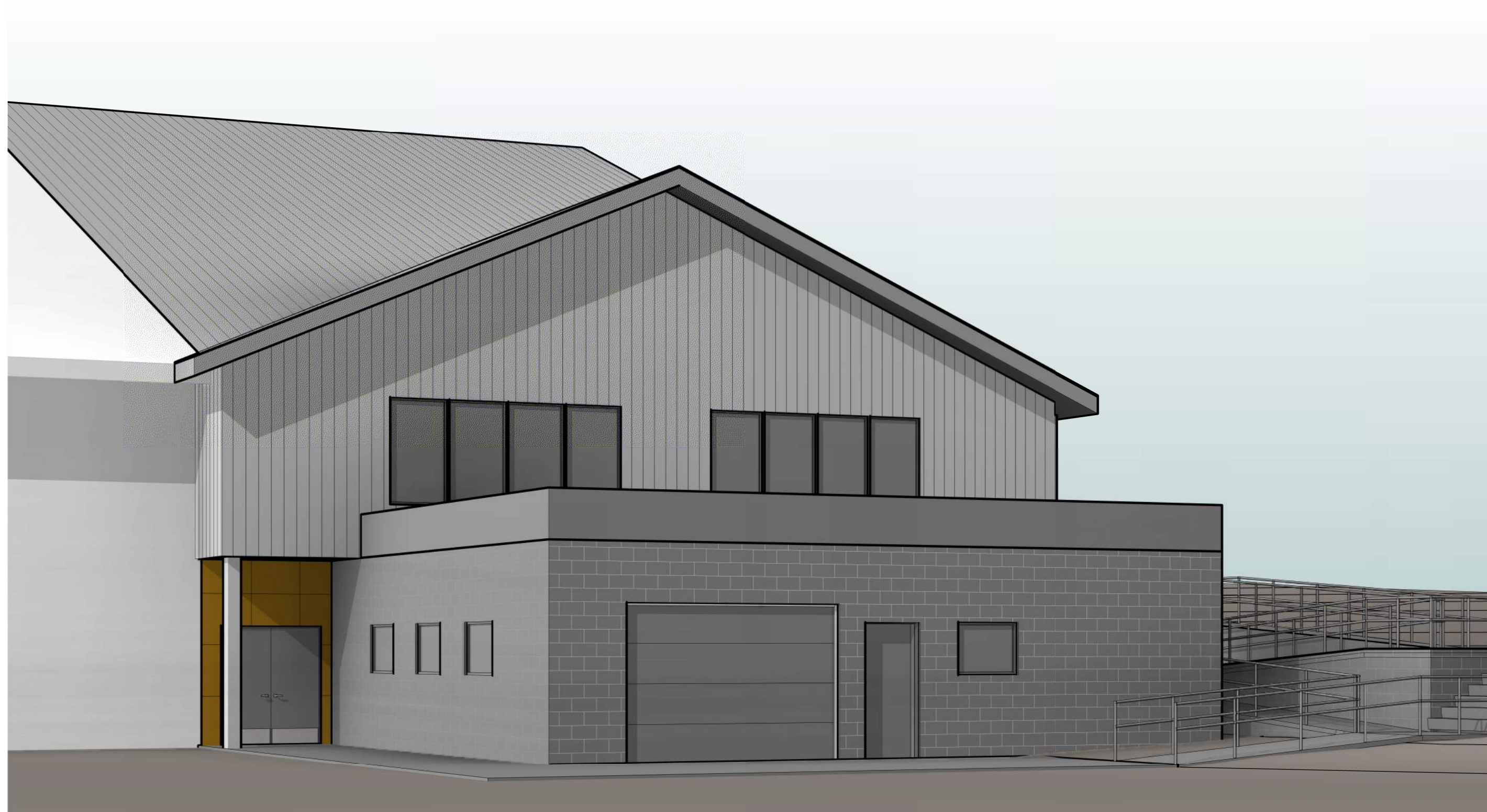


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C1 NORTH 3D VIEW  
A202



A1 EAST 3D VIEW  
A202



A3 WEST 3D VIEW  
A202



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No.	Description	Date

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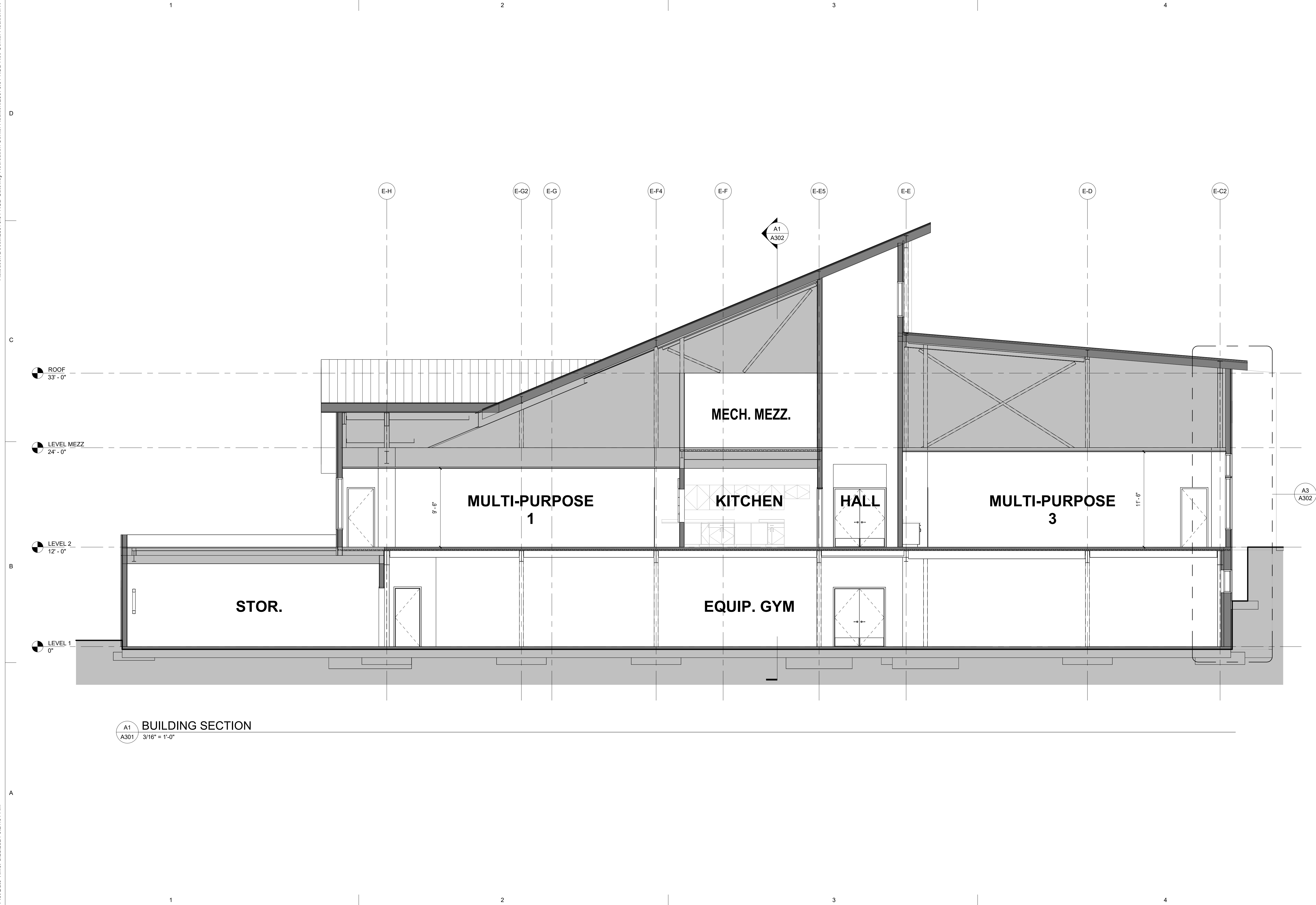
Sheet Contents  
3D PERSPECTIVES

Sheet No.  
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Plot Date Time: 3/28/2024 9:21:01 AM



**A1**  
A301 BUILDING SECTION  
3/16" = 1'-0"

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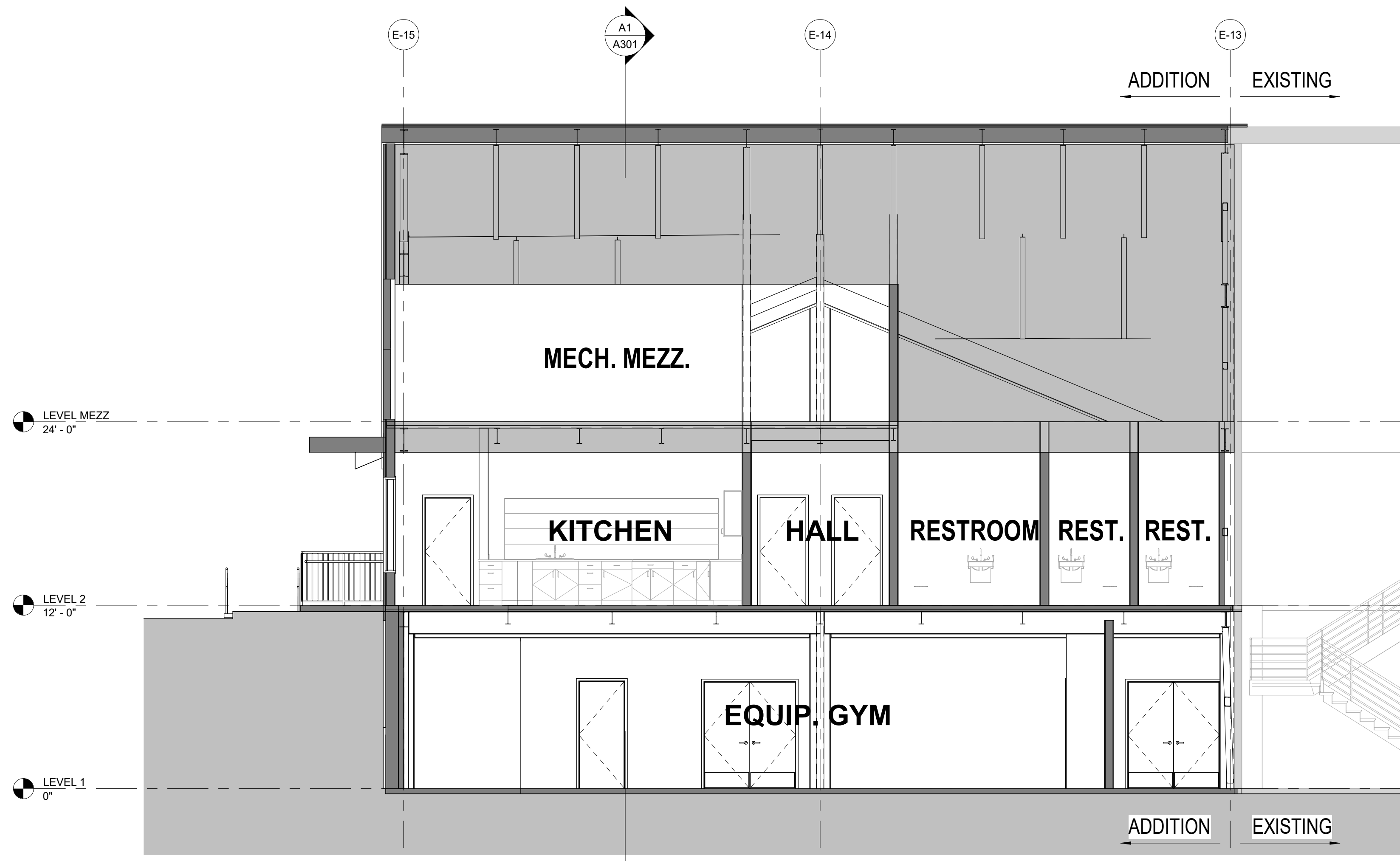
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BUILDING SECTIONS

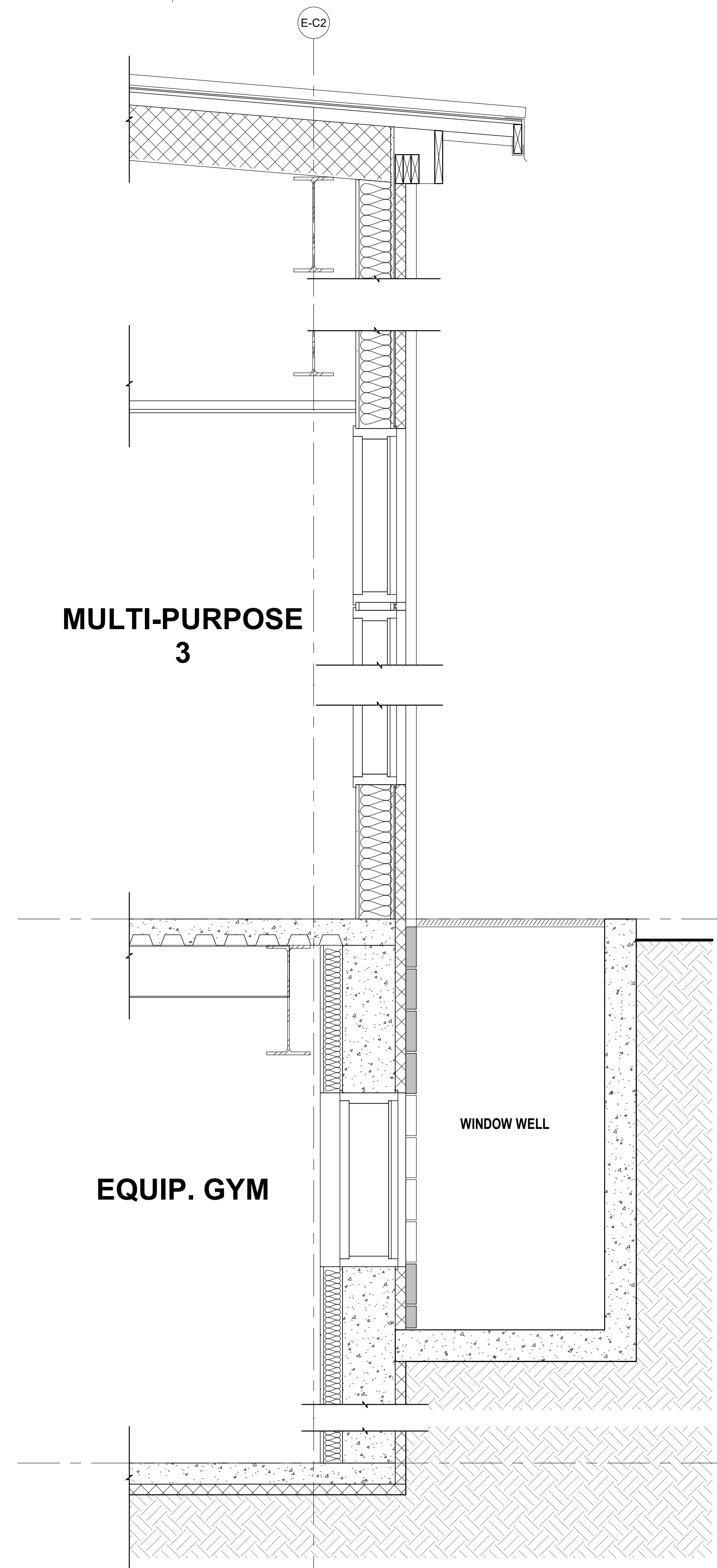
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Plot Date Time: 3/28/2024 9:21:02 AM



A1  
A302  
BUILDING SECTION  
3/16" = 1'-0"



A3  
A302  
WALL SECTION  
3/4" = 1'-0"

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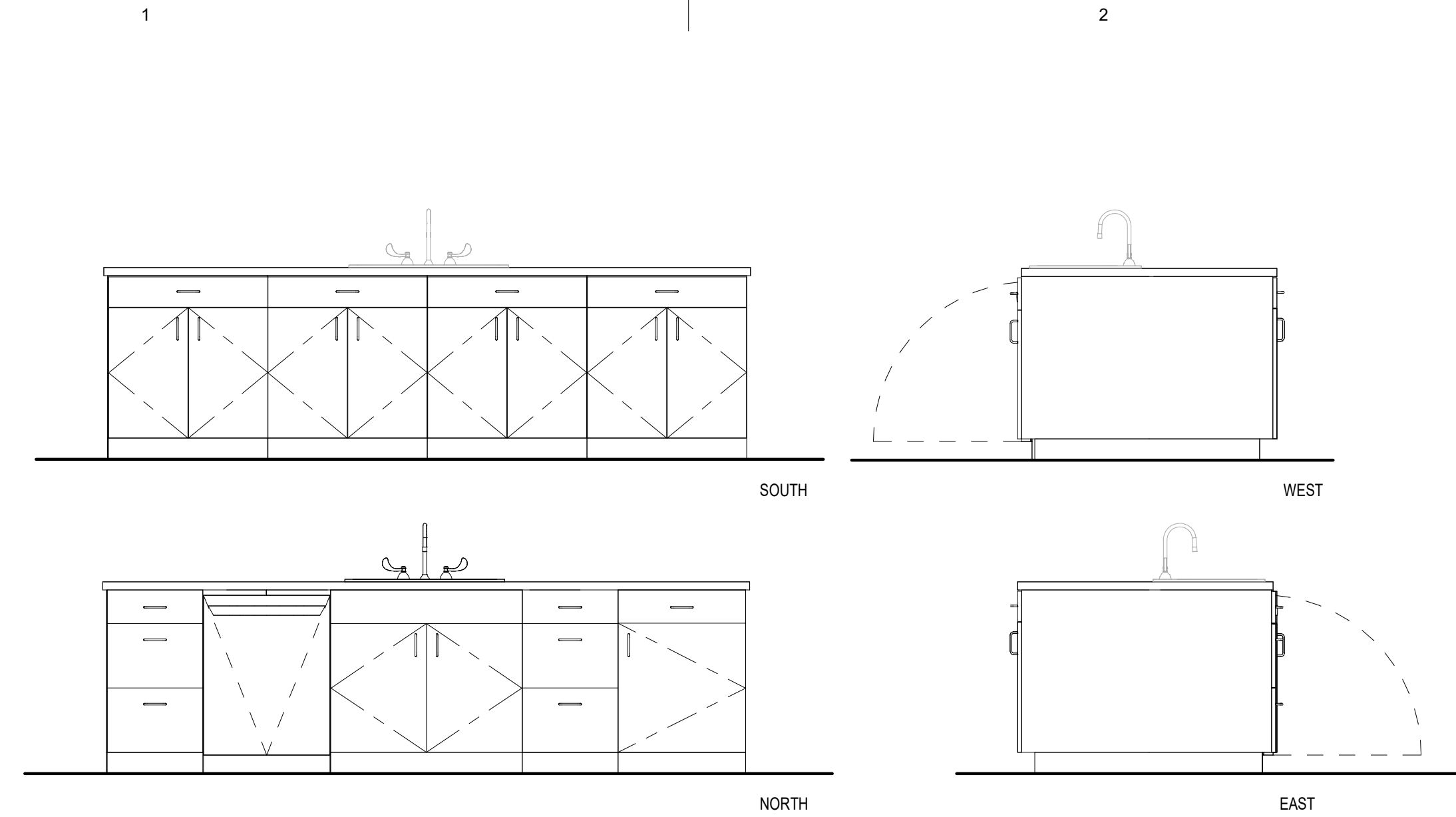
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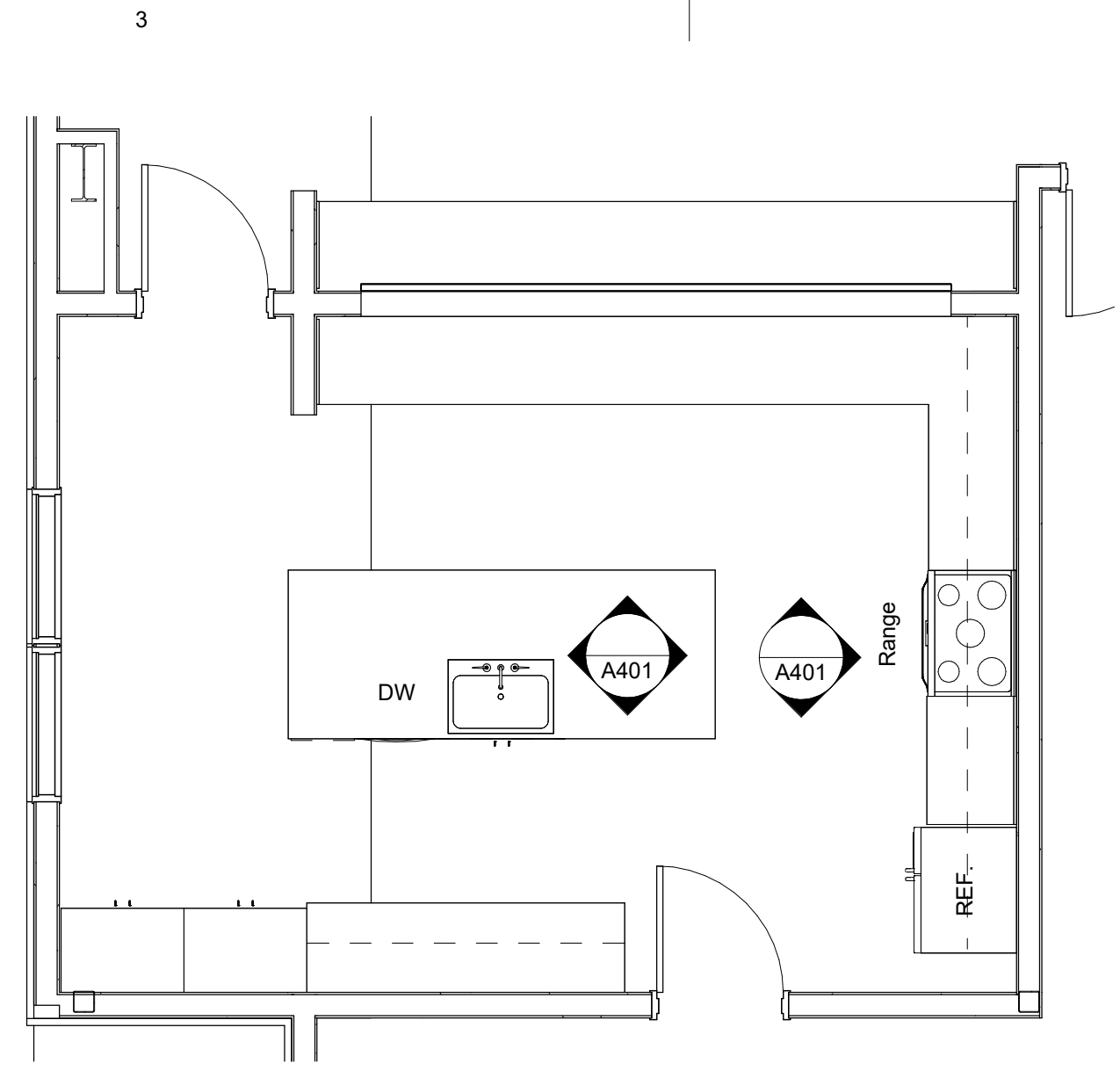
Sheet Contents  
BUILDING SECTIONS

Sheet No.  
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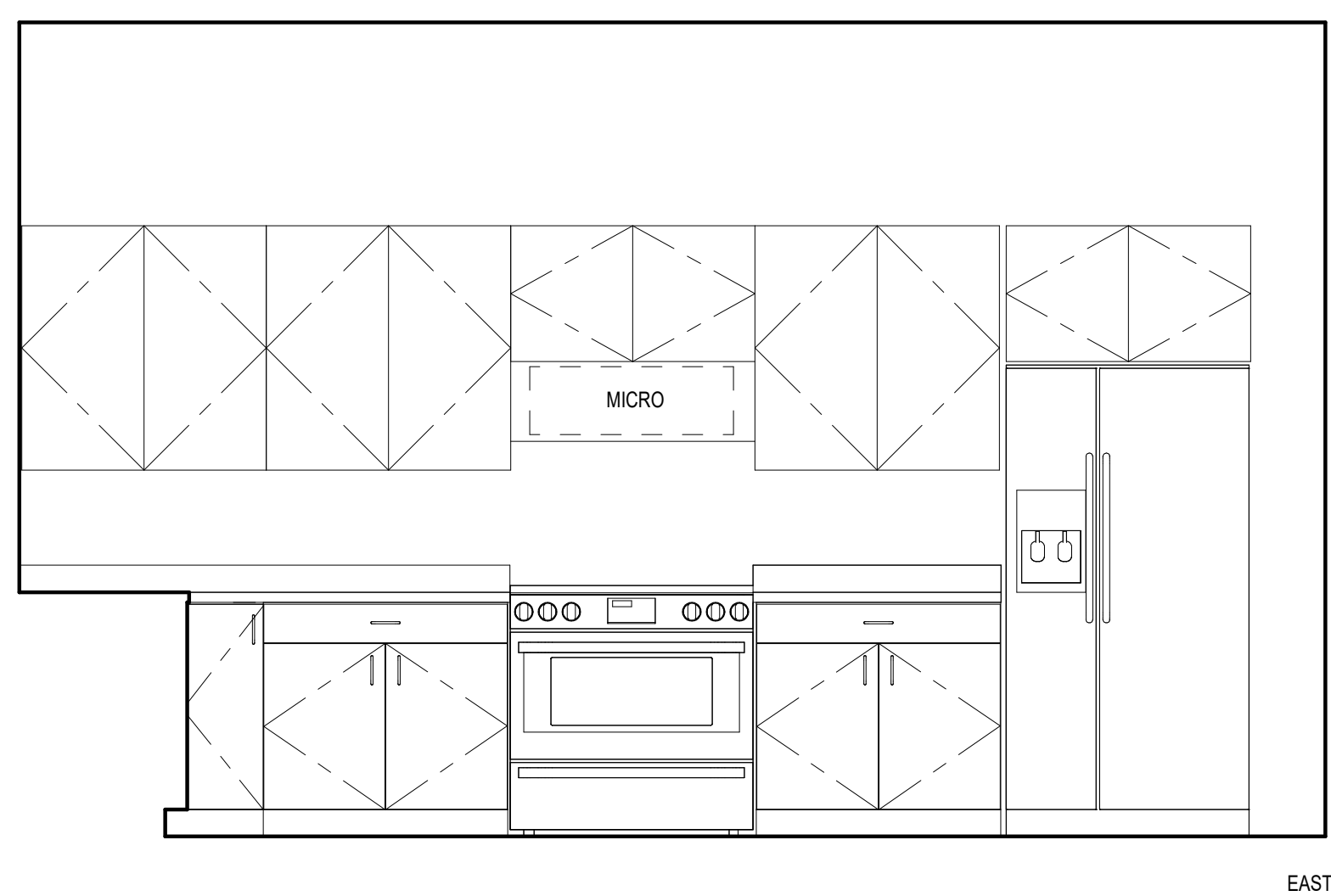
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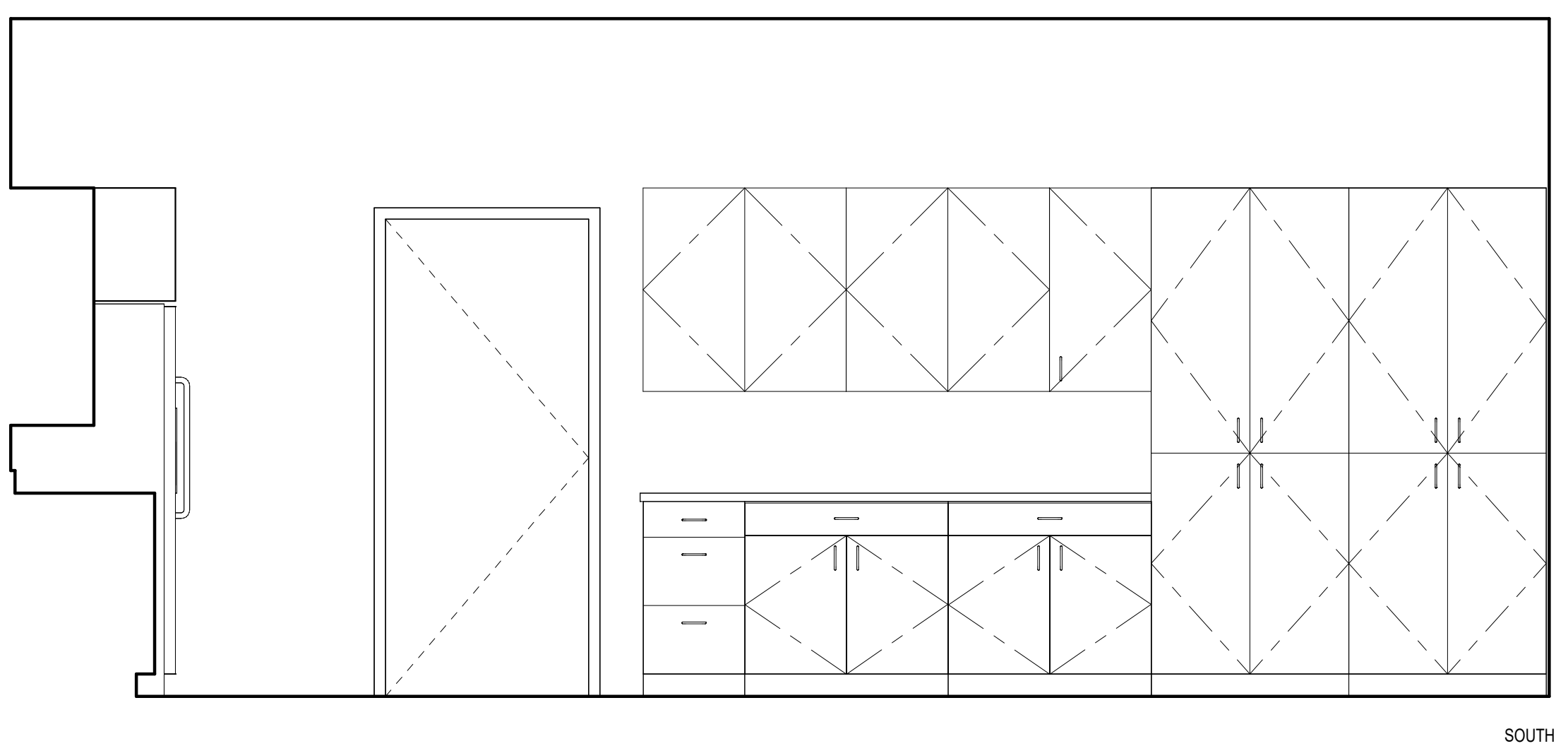
C1 KITCHEN ISLAND ELEVATIONS  
A401 1/2" = 1'-0"



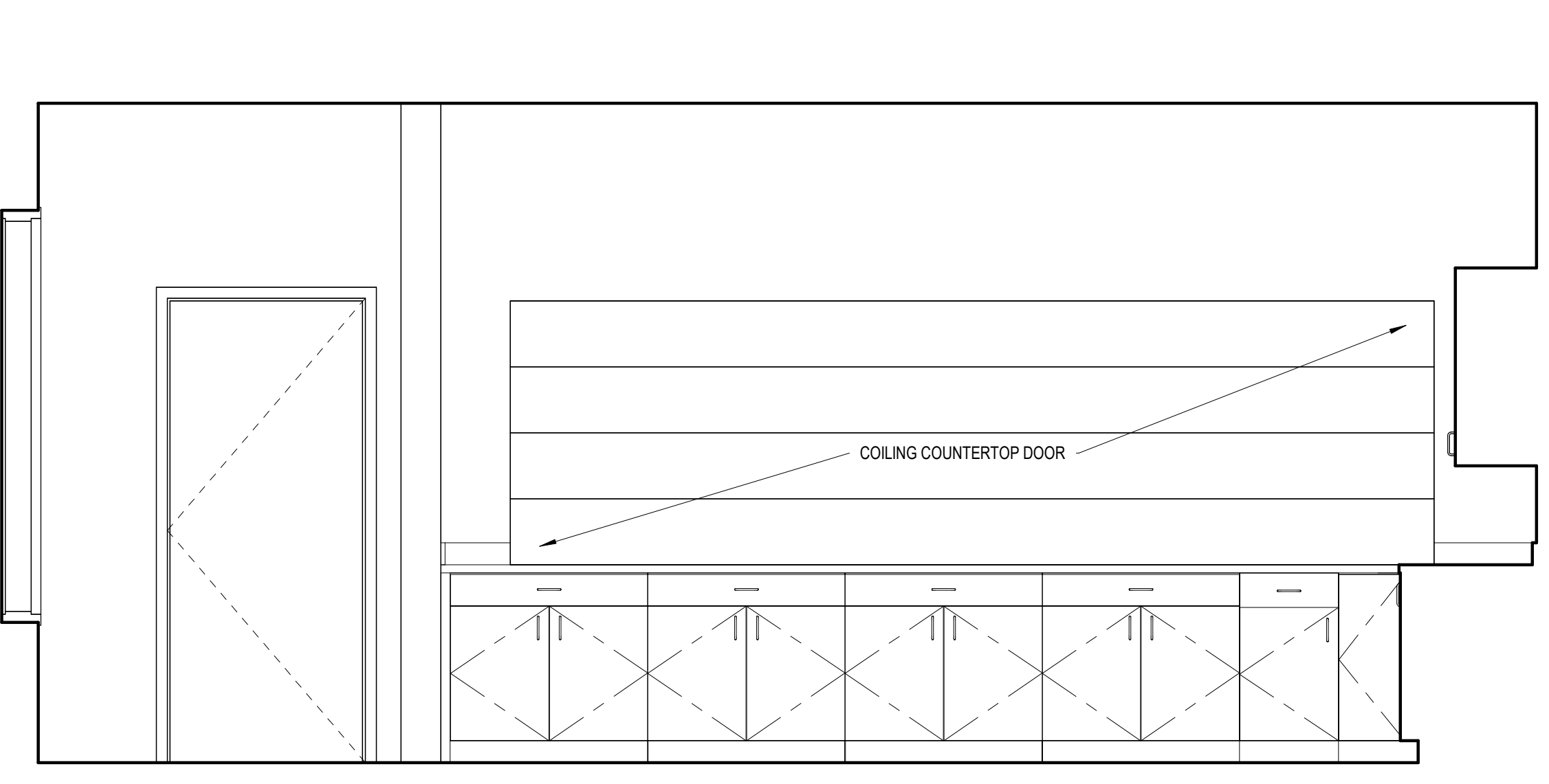
A1 KITCHEN FLOOR PLAN  
A401 1/4" = 1'-0"



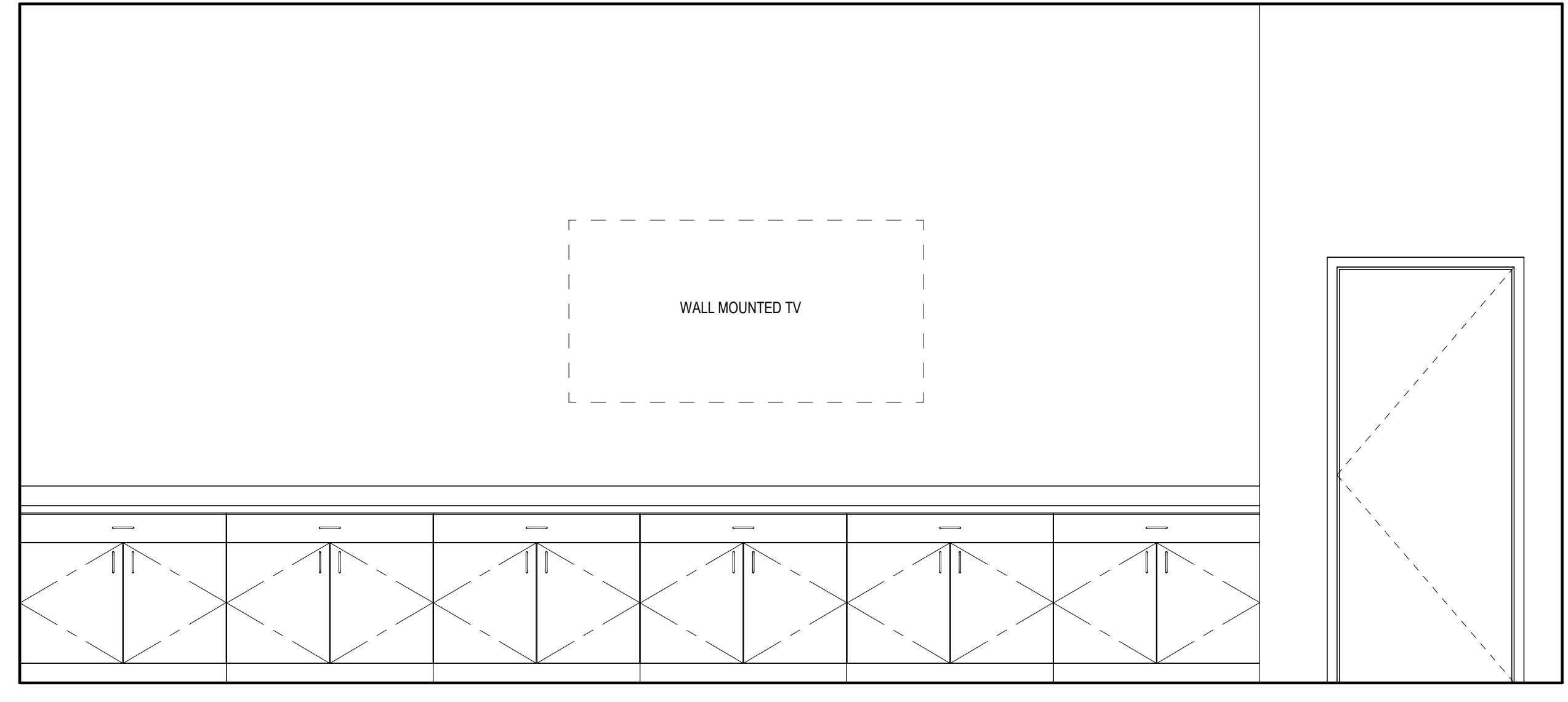
2 KITCHEN ELEVATIONS  
A401 1/2" = 1'-0"



A2 MULTI-PURPOSE - TYP.  
A401 1/2" = 1'-0"



B1 KITCHEN ELEVATIONS  
A401 1/2" = 1'-0"



A2 MULTI-PURPOSE - TYP.  
A401 1/2" = 1'-0"

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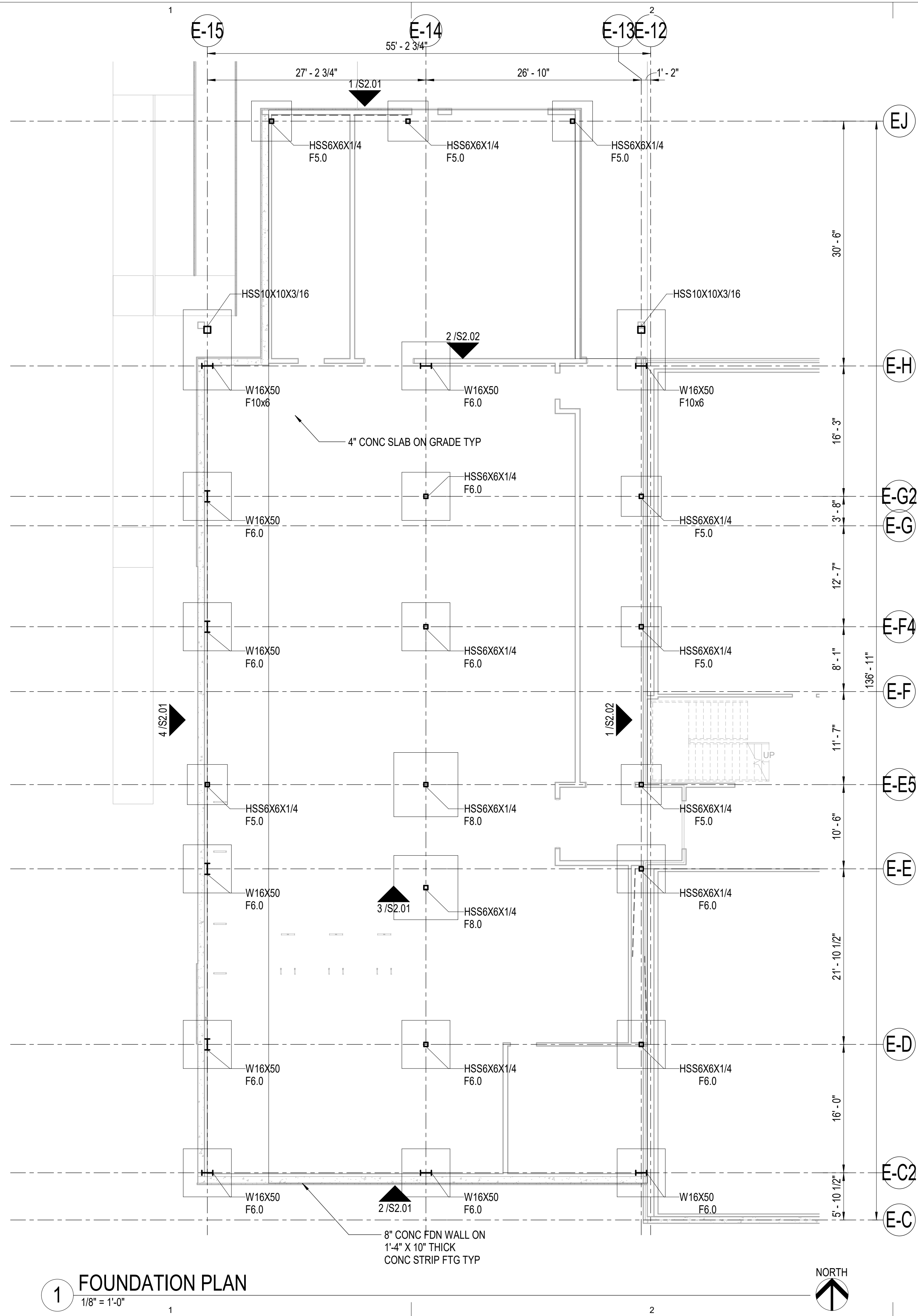
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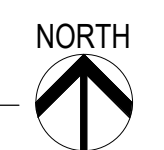
Sheet Contents  
INTERIOR ELEVATIONS

Sheet No.  
**A401**

Plot Date Time: 3/28/2024 9:21:02 AM



**1 FOUNDATION PLAN**  
1/8" = 1'-0"



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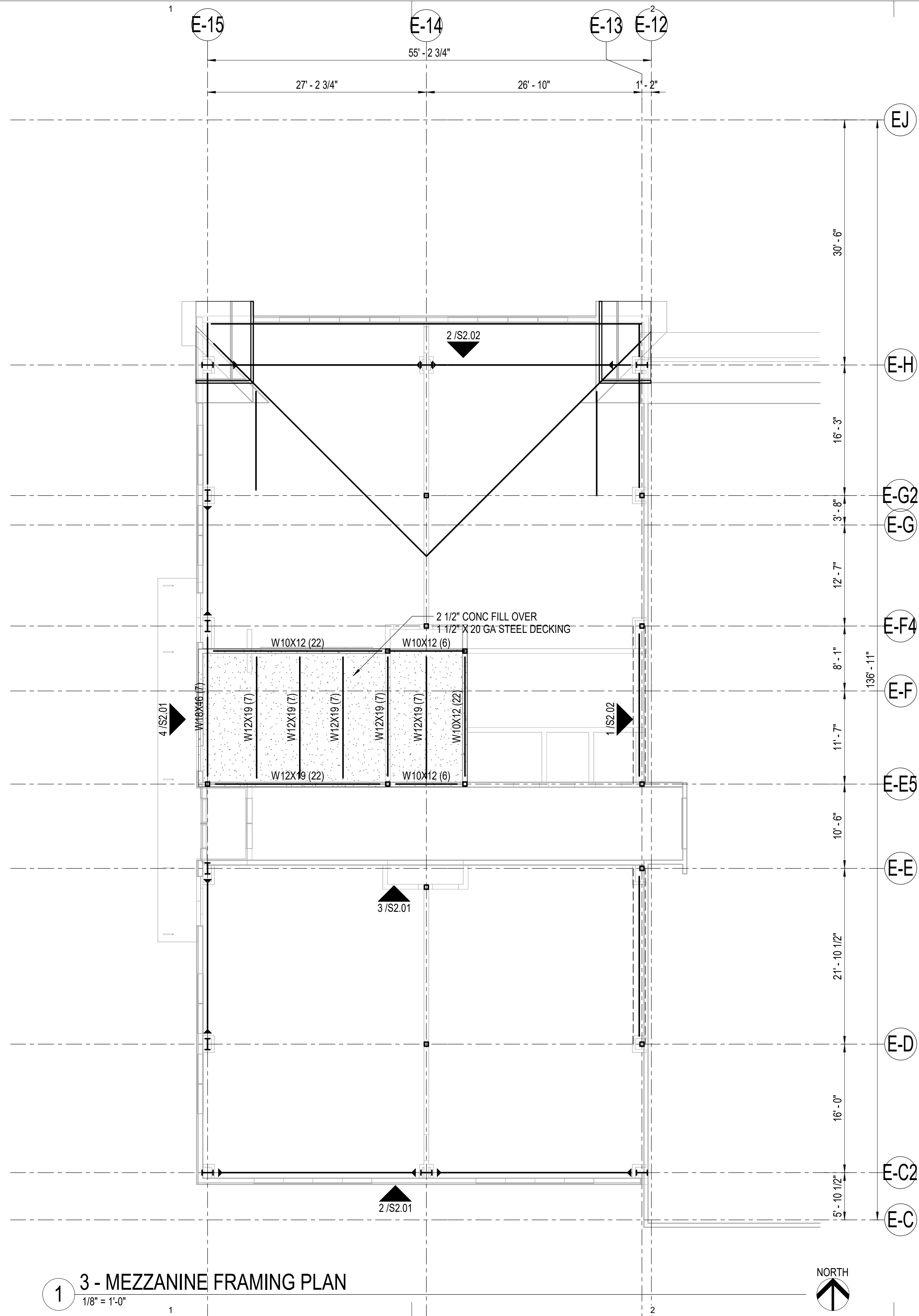
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Sheet Contents  
FOUNDATION PLAN

Sheet No.  
**S1.01**





**3 - MEZZANINE FRAMING PLAN**  
1/8" = 1'-0"



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DESIGN**

KETCHIKAN GATEWAY BOROUGH  
**REC CENTER ADDITION**  
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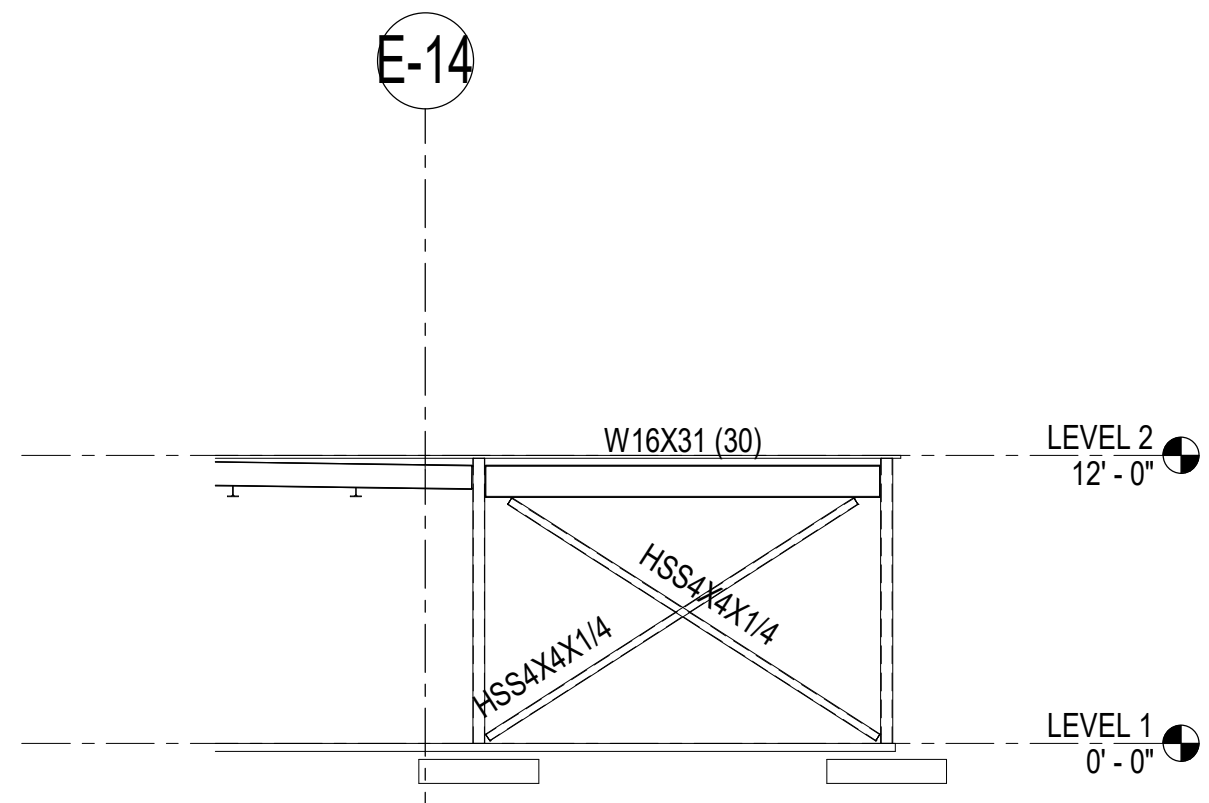
Revisions		
No.	Description	Date

Drawn by CMS	Date 3/27/2024
Checked GOL	Job No. 23076.01

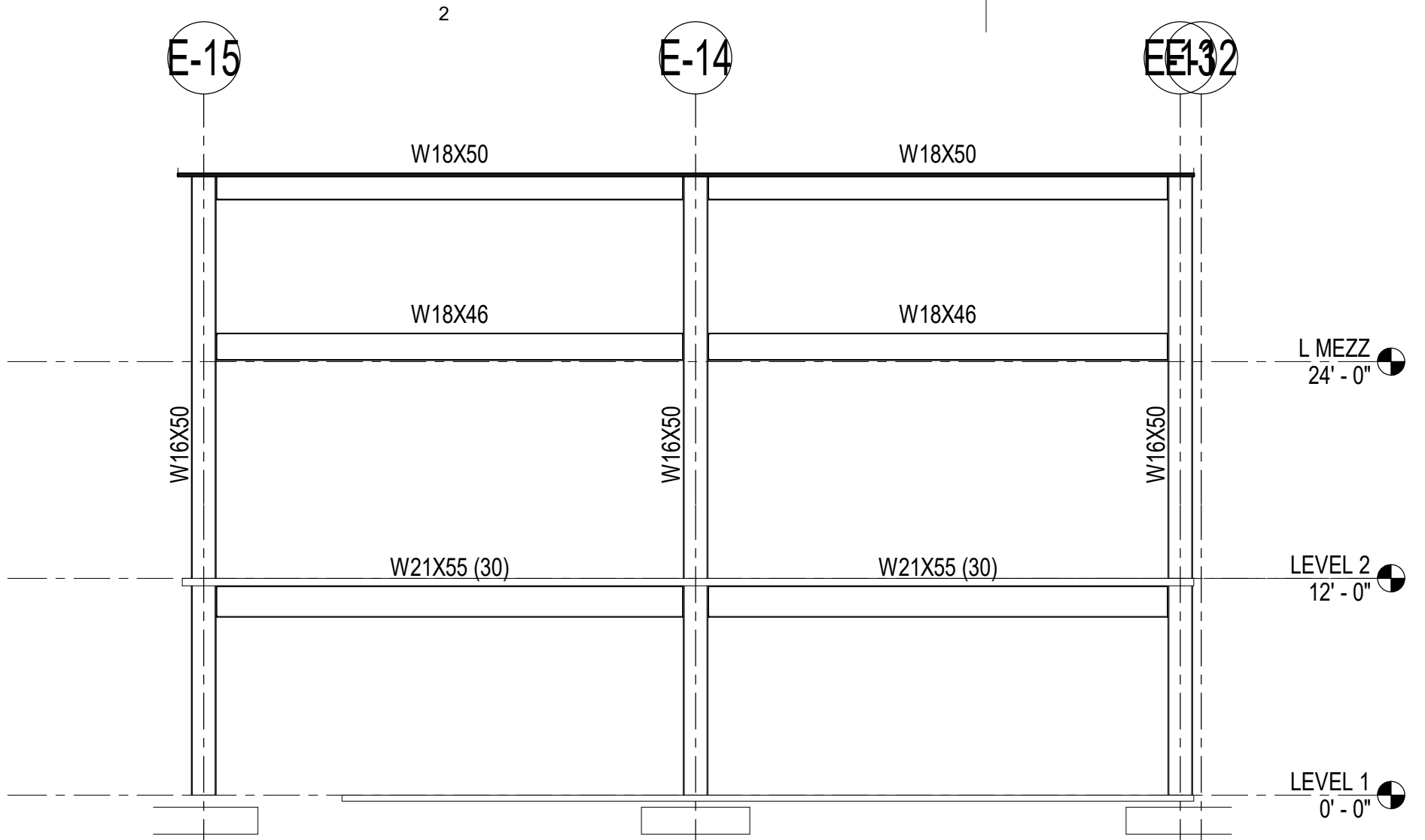
Sheet Contents MEZZANINE FRAMING PLAN
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Sheet No.  
**S1.03**

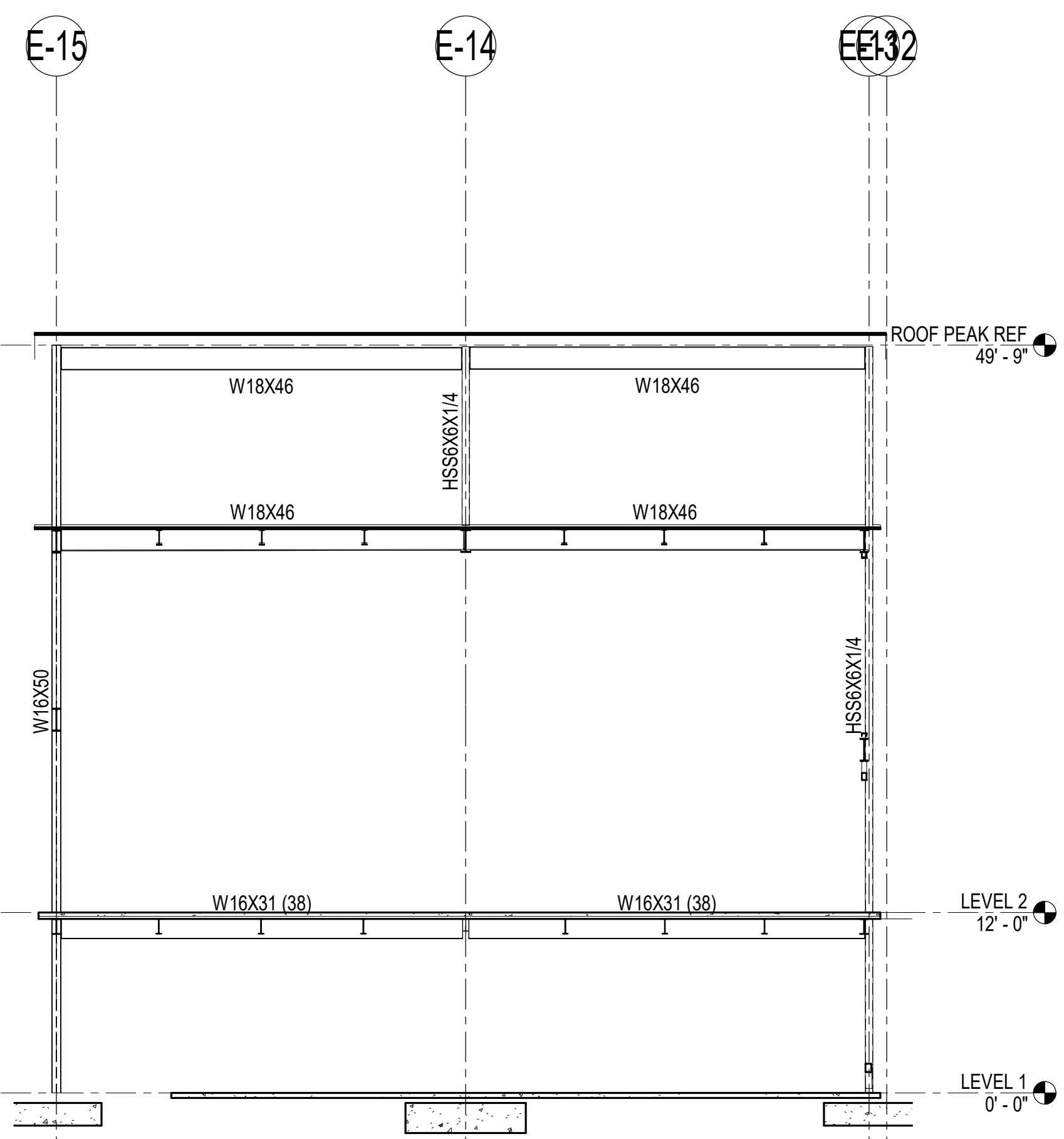




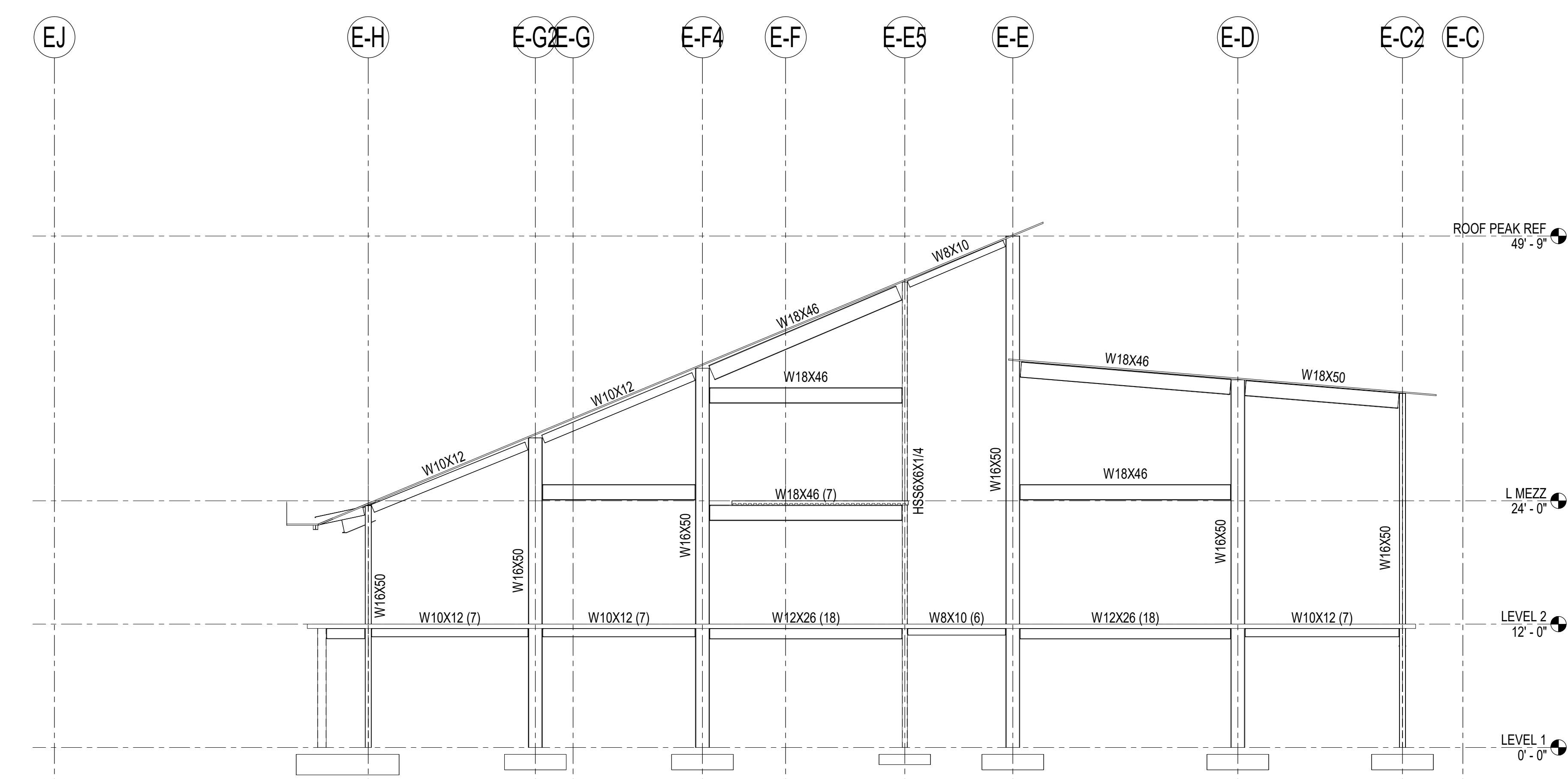
**1 GRID H FRAME ELEVATION**  
1/8" = 1'-0"



**2 GRID A FRAME ELEVATION**  
1/8" = 1'-0"



**3 GRID E-E FRAME ELEVATION**  
1/8" = 1'-0"



**4 GRID 1 FRAME ELEVATION**  
1/8" = 1'-0"

AECC561

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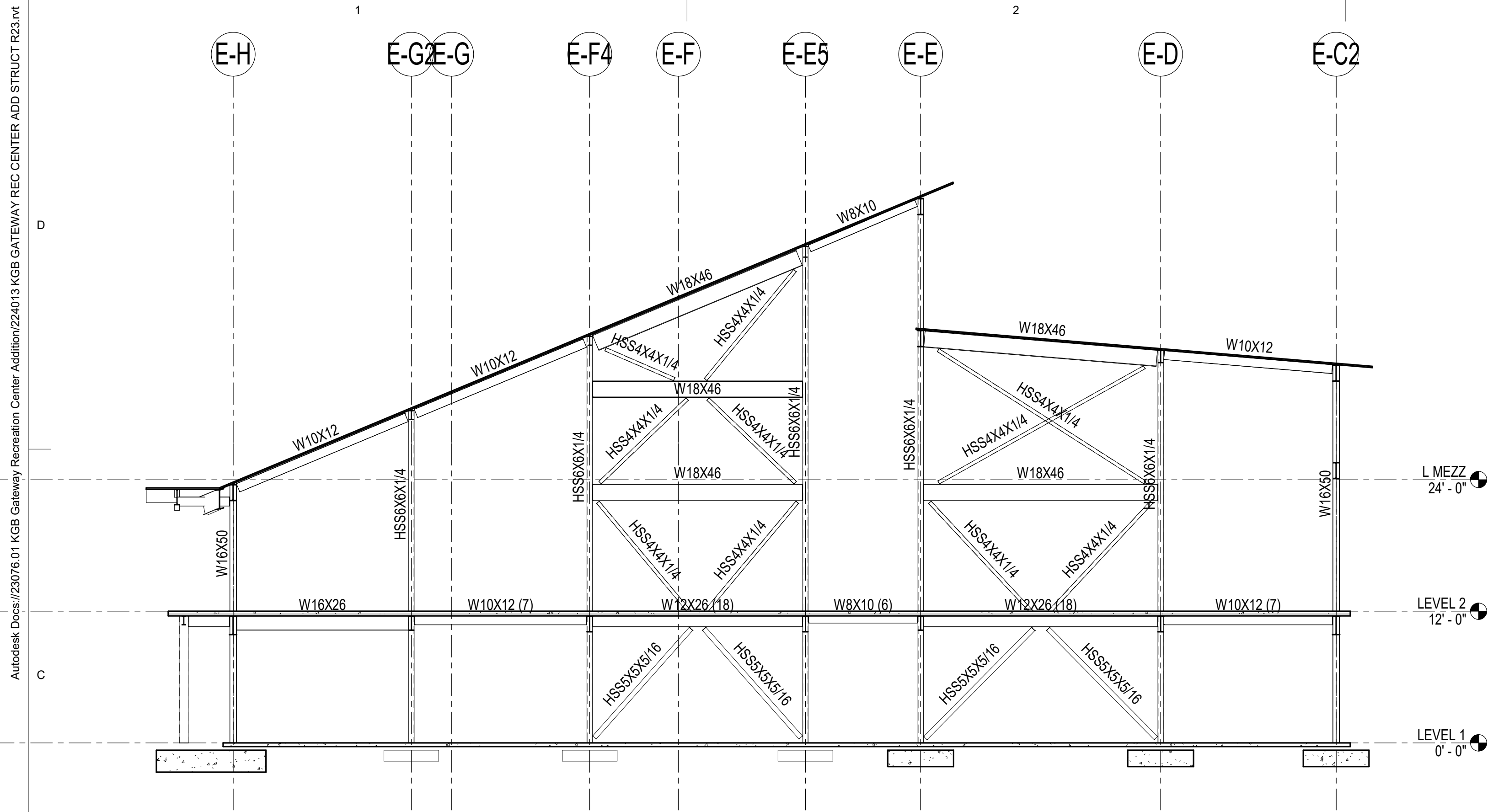
Revisions		
No.	Description	Date

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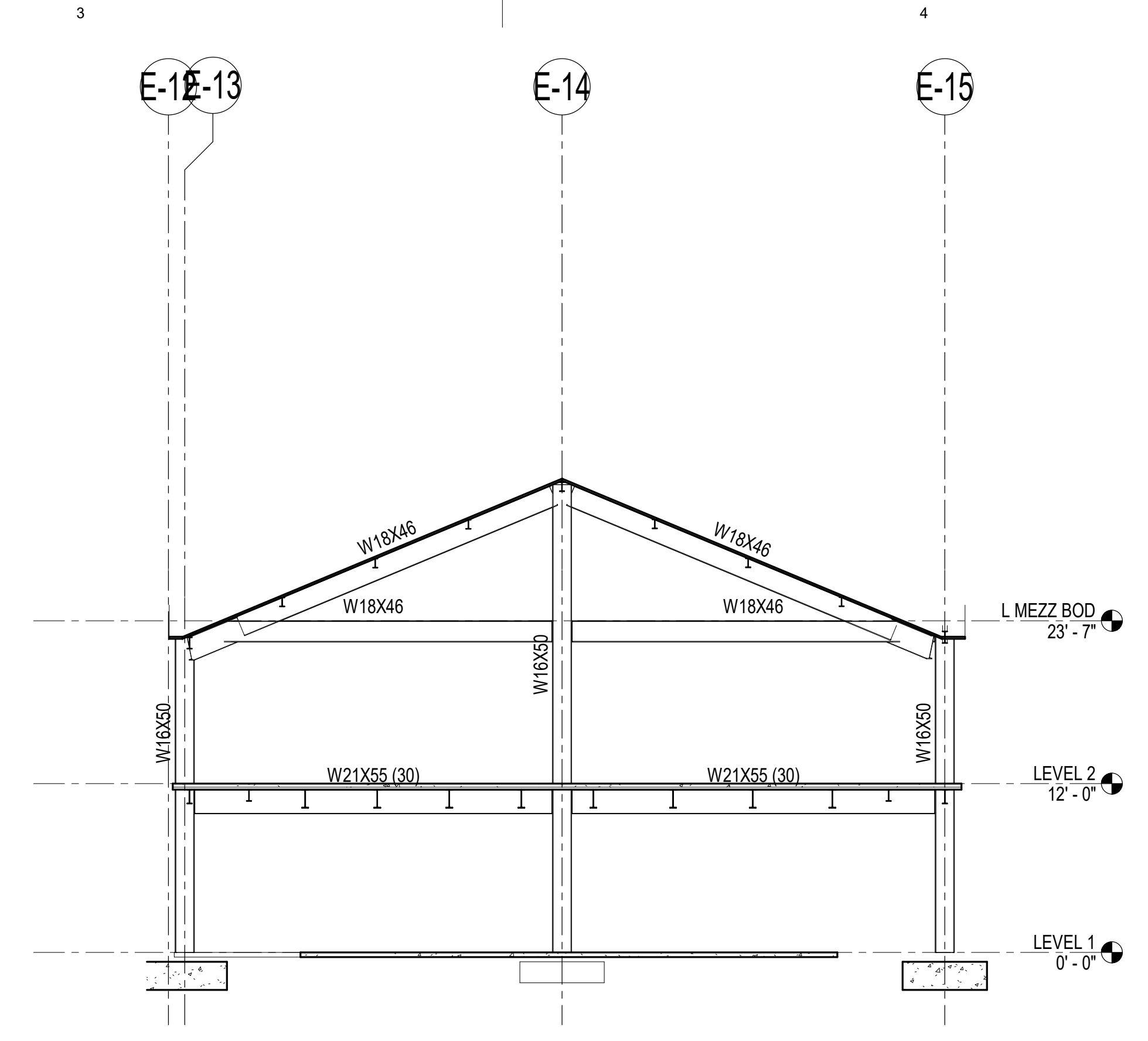
Sheet Contents  
ELEVATIONS

Sheet No.  
**S2.01**

Autodesk Docs://23076.01\_KGB Gateway Recreation Center Addition/224013\_KGB GATEWAY REC CENTER ADD STRUCT R23.rvt



**1 GRID 3 FRAME ELEVATION**  
1/8" = 1'-0"



**2 GRID E-H FRAME ELEVATION**  
1/8" = 1'-0"

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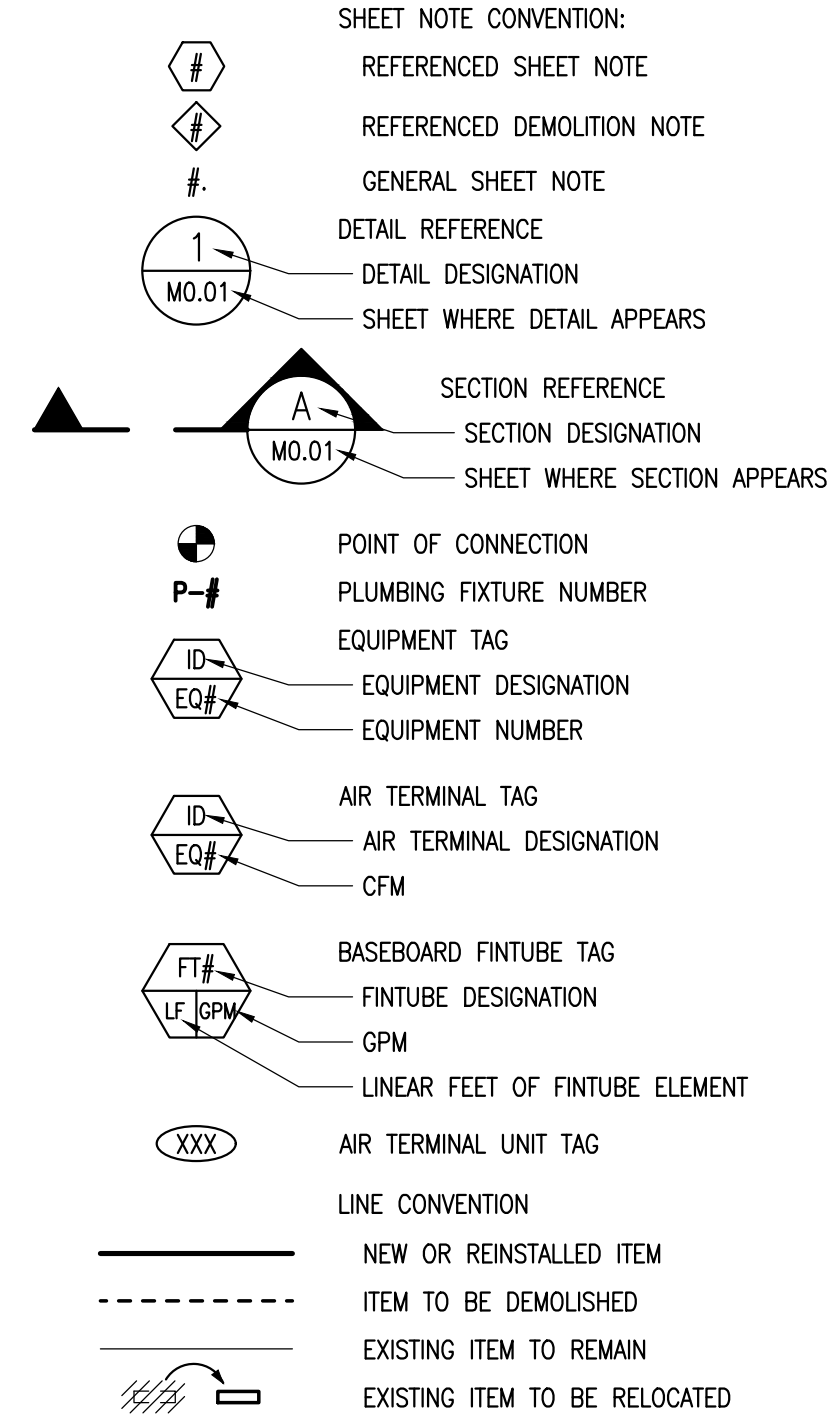
Sheet Contents  
ELEVATIONS

Sheet No.  
**S2.02**

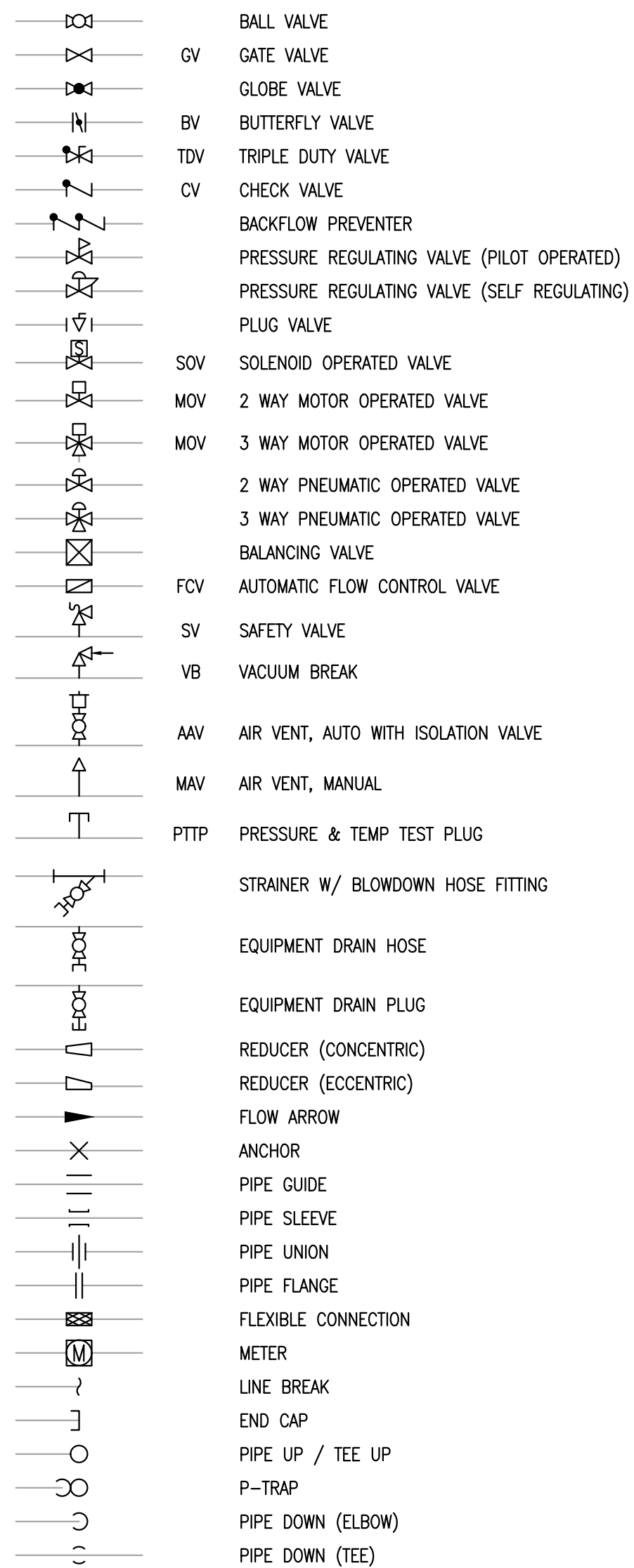
# ABBREVIATIONS

⊙	AT	IN OR	INCH OR INCHES
⊗	AND	IN HG	INCHES MERCURY
#	NUMBER	IN WC	INCHES WATER COLUMN
%	PERCENT	INSUL	INSULATION
AD	ACCESS DOOR	IPS	INTERNATIONAL PIPE STANDARD
AAP	AREA ALARM PANEL	K	THERMAL CONDUCTIVITY
ADA	AMERICANS WITH DISABILITIES ACT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	KWH	KILOWATT HOUR
AFG	ABOVE FINISHED GRADE	LAT	LEAVING AIR TEMPERATURE
AHJ	AUTHORITY HAVING JURISDICTION	LB/HR	POUNDS PER HOUR
AHU	AIR-HANDLING UNIT	LBS	POUNDS
ALT	ALTERNATE	LF	LINEAR FEET
AMB	AMBIENT	L	LENGTH
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	LWT	LEAVING WATER TEMPERATURE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LOC	LOCATION/LOCATED
APD	AIR PRESSURE DROP	LP	LOW PRESSURE
APPROX	APPROXIMATE	LR	LONG RADIUS
AR	ACID RESISTANT	MAN	MANUAL
ARCH	ARCHITECTURAL	MAT	MIXED AIR TEMPERATURE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MAV	MANUAL AIR VENT
ATM	ATMOSPHERE	MAX	MAXIMUM
AUTO	AUTOMATIC	MBH	THOUSAND BTU PER HOUR
AVG	AVERAGE	MECH	MECHANICAL
AWG	AMERICAN WIRE GAUGE	MFR	MANUFACTURER
BAS	BUILDING AUTOMATION SYSTEM	MH	MANHOLE
BDD	BACKDRAFT DAMPER	MIN	MINIMUM, MINUTE
BHP	BRAKE HORSEPOWER, BOILER HORSEPOWER	MPH	MILES PER HOUR
BLDG	BUILDING	MTO	MOUNTED
BLW	BELOW	N/A	NOT APPLICABLE
BOD	BOTTOM OF DUCT	NC	NOISE CRITERIA, NORMALLY CLOSED
BOP	BOTTOM OF PIPE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BTU	BRITISH THERMAL UNIT	NO	NOT IN CONTRACT
BTUH	BTU PER HOUR	NTS	NORMALLY OPEN, NUMBER NOT TO SCALE
C	COMMON, CONDENSATE	OD	OUTSIDE DIAMETER
C-C	CENTER TO CENTER	OFOI	OWNER FURNISHED, OWNER INSTALLED
CAP	CAPACITY, END CAP	OSAI	OUTSIDE AIR
CCW	COUNTER-CLOCKWISE	OZ	OUNCE
CF	COOLING FAN, CIRCULATING FAN, CUBIC FOOT	PD	PRESSURE DROP OR DIFFERENCE
CFM	CUBIC FEET PER MINUTE	PG	PROPYLENE GLYCOL
CI	CAST IRON	PL	PLATE
CL	CENTER LINE	PLBG	PLUMBING
CLG	CEILING	POC	POINT OF CONNECTION
CMPR	COMPRESSOR	PNL	PANEL
COEF	COEFFICIENT	PH	PHASE (ELECTRICAL)
CONC	CONCRETE	PPM	PARTS PER MILLION
COND	CONDENSER	PSI	POUNDS PER SQUARE INCH
CTR	CENTER	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
CU	COPPER, CONDENSING UNIT	PSID	POUNDS PER SQUARE INCH - DIFFERENTIAL
CU IN	CUBIC INCH	PSIG	POUNDS PER SQUARE INCH - GAUGE
CV	VALVE FLOW COEFFICIENT	PRESS	PRESSURE
CW	CLOCKWISE	PRI	PRIMARY
DB	DECIBEL	R-407C,	REFRIGERANT (407C,410A,ETC.)
DBT	DRY-BULB TEMPERATURE	R-410A	
DDC	DIRECT DIGITAL CONTROL	R/A	RETURN AIR
DEG OR °	DEGREE	RAD	RADIANT OR RADIATION
DEG C	DEGREE CENTIGRADE	RCVR	RECIRCULATE
DEG F	DEGREE FAHRENHEIT	RECIRC	RECIRCULATE
DEMO	DEMOLITION	RED	REDUCER
DENS	DENSITY	REFRIG	REFRIGERATION
DGM	DIAGRAM	REV	REVOLUTIONS
DI	DUCTILE IRON	RF	RELIEF FAN OR RETURN FAN
DIA OR ⌀	DIAMETER	RH	RELATIVE HUMIDITY
DIFF	DIFFERENCE OR DELTA	ROOM	ROOM
DIP	DUCTILE IRON PIPE	RPM	REVOLUTIONS PER MINUTE
DISS	DIAMETER-INDEX SAFETY SYSTEM	RPS	REVOLUTIONS PER SECOND
DN	DOWN	S/A	SUPPLY AIR
DO	DITTO	SAT	SATURATION
DTL	DETAIL	SCHD	SCHEDULE
DWDI	DOUBLE WIDTH DOUBLE INLET	SCFM	STANDARD CUBIC FEET PER MINUTE
DWG	DRAWING	SD	STORM DRAIN
(E)	EXISTING	SEC	SECONDARY
EA	EACH	SF	SQUARE FEET
E/A	EXHAUST AIR	SH	SENSIBLE HEAT
EAT	ENTERING AIR TEMPERATURE	SHG	SENSIBLE HEAT GAIN
EF	EXHAUST FAN	SHR	SENSIBLE HEAT RATIO
EFF	EFFICIENCY	SHT	SHEET
EG	ETHYLENE GLYCOL, EXHAUST GRILLE	SHWR	SHOWER
ELEC	ELECTRICAL	SP	STATIC PRESSURE
ELEV	ELEVATION	SPD	STATIC PRESSURE DROP
EMB	EMBEDMENT	SPEC	SPECIFICATION, SPECIFIED
ENT	ENTERING	SPKLR	SPRINKLER
EQIV FT	EQUIVALENT FEET	SR	SHORT RADIUS
ESP	EXTERNAL STATIC PRESSURE	SWSI	SINGLE WIDTH SINGLE INLET
EVAP	EVAPORATOR	SQ	SQUARE
EXP	EXPANSION	SS	STAINLESS STEEL, SANITARY SEWER
EWT	ENTERING WATER TEMPERATURE	STD	STANDARD
'F	FAHRENHEIT	SUCT	SUCTION
FA	FACE AREA	TA	TRANSFER AIR
F-F	FACE TO FACE	TEMP	TEMPERATURE, TEMPORARY
FD	FIRE DAMPER	THRU	THROUGH
FLEX	FLEXIBLE	TOD	TOP OF DUCT
FLR	FLOOR	TONS	TONS OF REFRIGERATION
FOB	FLAT ON BOTTOM	TOP	TOP OF PIPE
FOT	FLAT ON TOP	TYP	TYPICAL
FP	FREEZING POINT	UG	UNDERGROUND
FBM	FEET PER MINUTE	UNO	UNLESS NOTED OTHERWISE
FPS	FEET PER SECOND	UPC	UNIFORM PLUMBING CODE
FSD	FIRE-SMOKE DAMPER	V	VOLTS OR VOLTAGE
FSDM	FIRE-SMOKE DAMPER, MODULATING	VAC	VACUUM
FT OR '	FOOT OR FEET	VAC	VOLTS (ALTERNATING CURRENT)
FV	FACE VELOCITY	VAL	VALVE
GA	GAGE OR GAUGE	VAP PR	VAPOR PRESSURE
GAL	GALLONS	VAR	VARIABLE
GPD	GALLONS PER DAY	VAV	VARIABLE AIR VOLUME
GPH	GALLONS PER HOUR	VDC	VOLTS (DIRECT CURRENT)
GPM	GALLONS PER MINUTE	VEL	VELOCITY
GR	GRAINS	VERT	VERTICAL
GRD	GRILLES, REGISTERS, DIFFUSERS	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VOL	VOLUME
HDPE	HIGH DENSITY POLYETHYLENE	VP	VELOCITY PRESSURE
HG	HEAT GAIN	VSD	VARIABLE SPEED DRIVE
HT	HEIGHT	VTR	VENT THROUGH ROOF
HP	HORSEPOWER	W	WATT
HR	HOURS	W/	WITH
HVAC	HEATING, VENTILATING & AIR-CONDITIONING	W/O	WITHOUT
HZ	FREQUENCY	WB	WET BULB TEMPERATURE
IAW	IN ACCORDANCE WITH	WC	WATER COLUMN
ID	INSIDE DIAMETER	WH	WATT-HOUR
IE	INVERT ELEVATION	WP	WEATHER PROOF, WATER PROOF
IBC	INTERNATIONAL BUILDING CODE	WPD	WATER PRESSURE DROP
IFC	INTERNATIONAL FIRE CODE	WT	WEIGHT
IMC	INTERNATIONAL MECHANICAL CODE	YD	YARD
		ZVB	ZONE VALVE BOX

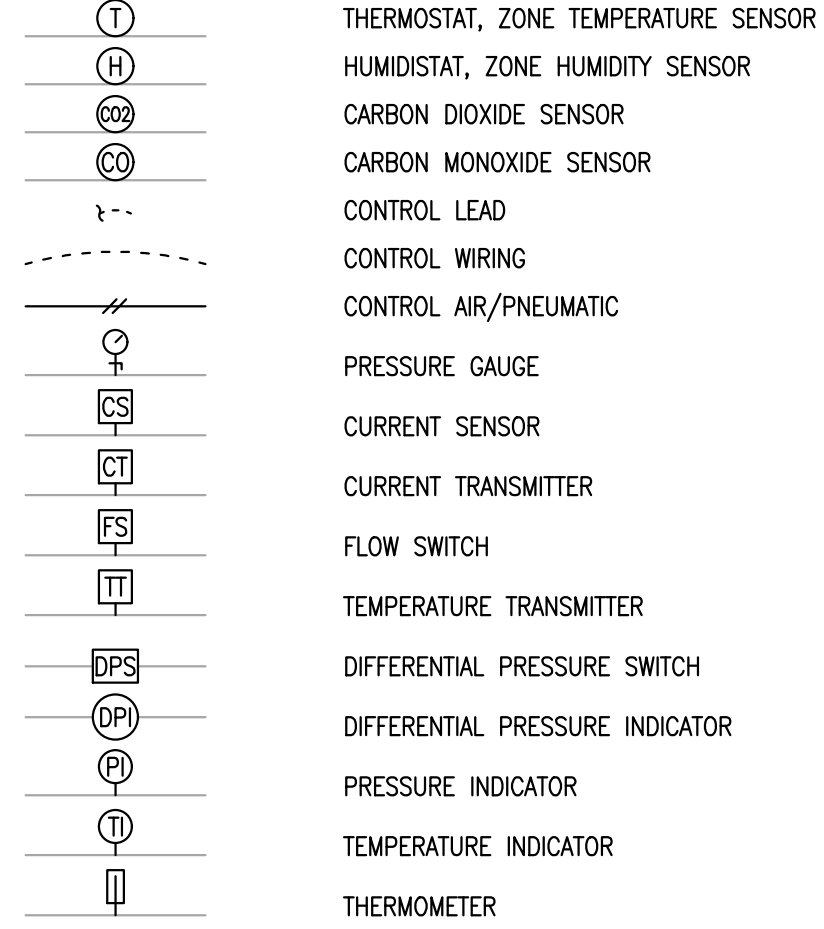
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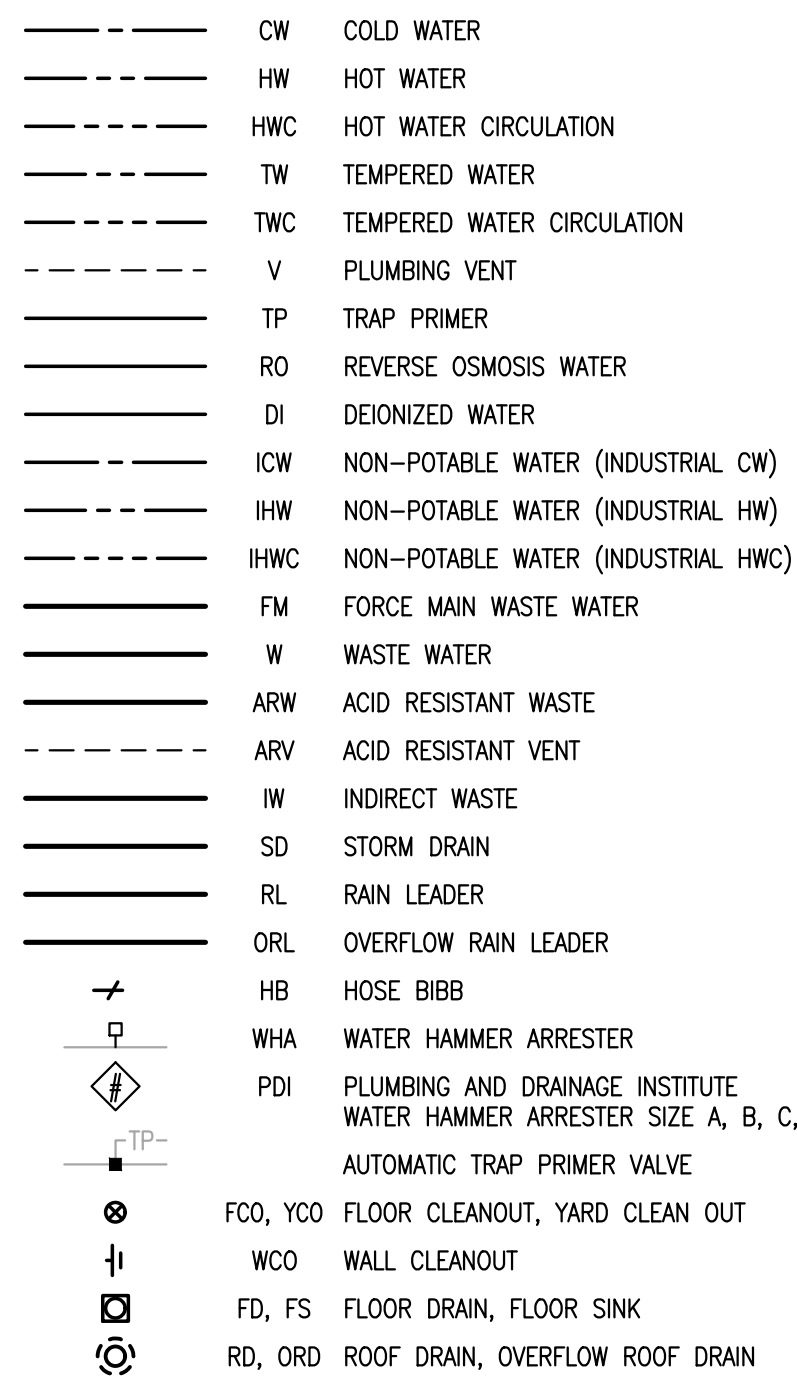
# GENERAL PIPING



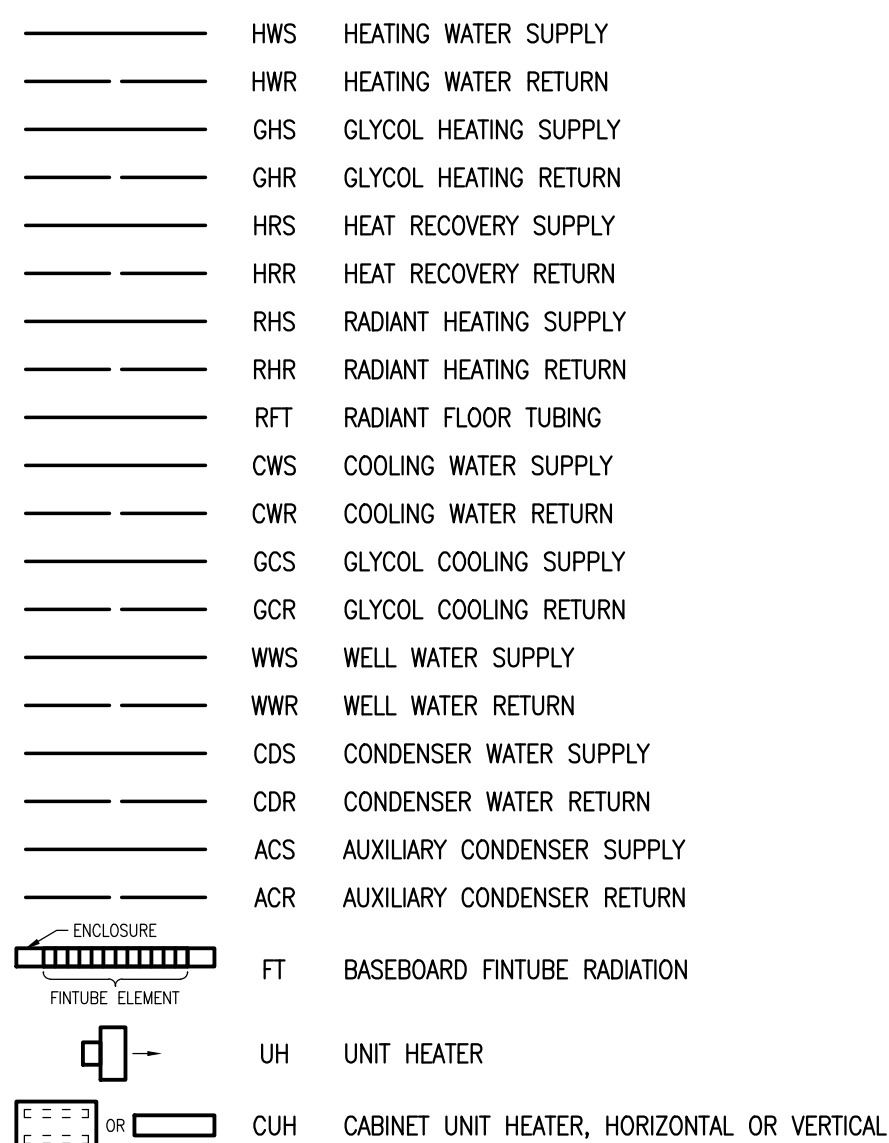
# MONITORING AND CONTROLS



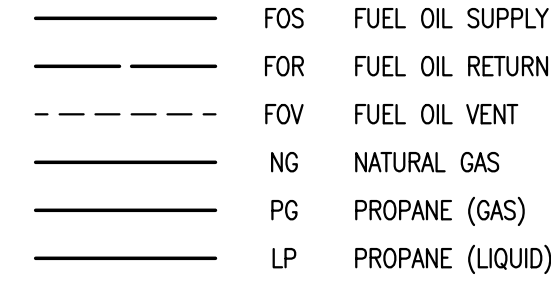
# PLUMBING PIPING



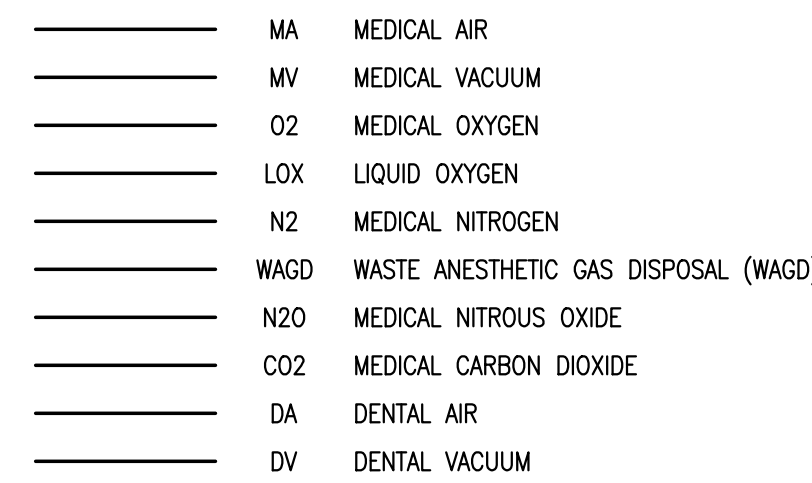
# HYDRONIC PIPING



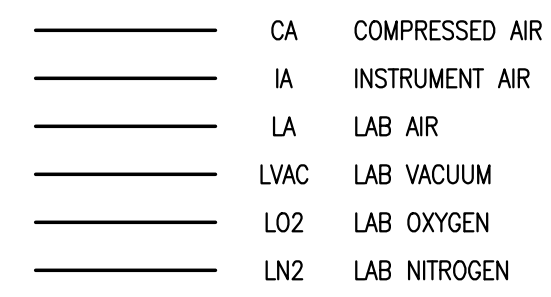
# FUEL PIPING



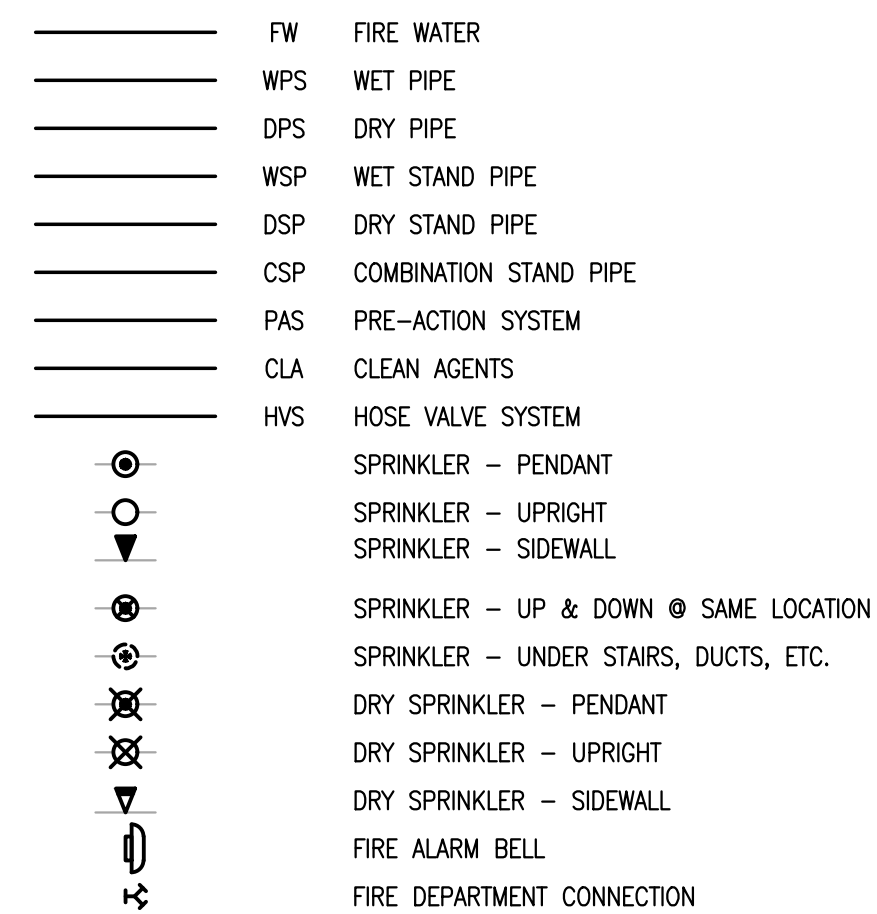
# MEDICAL AIR / GAS PIPING



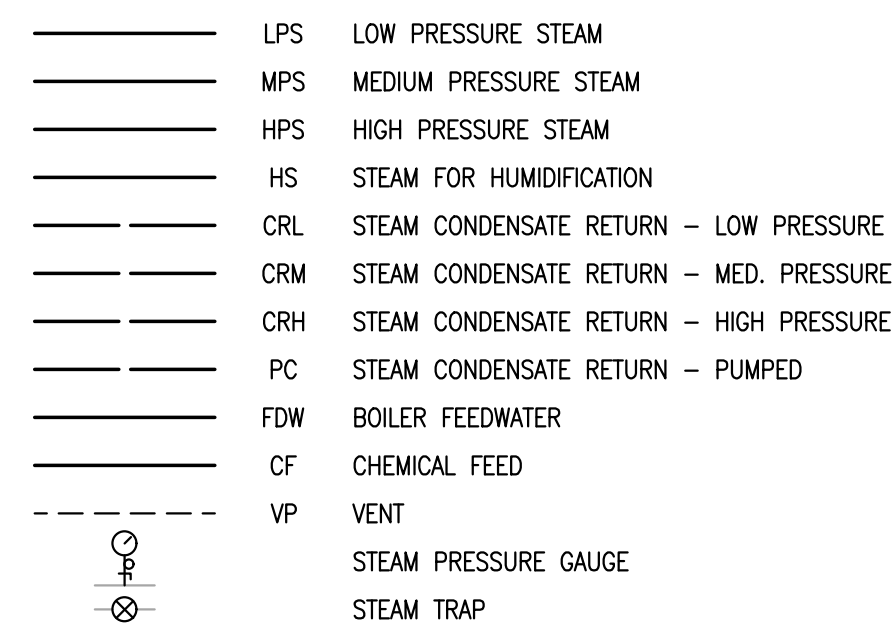
# LAB AIR PIPING



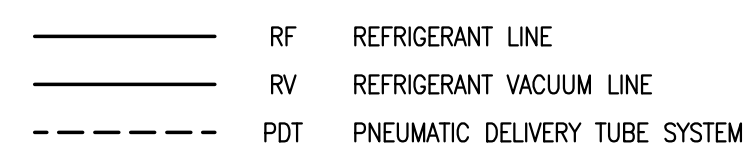
# FIRE PROTECTION PIPING



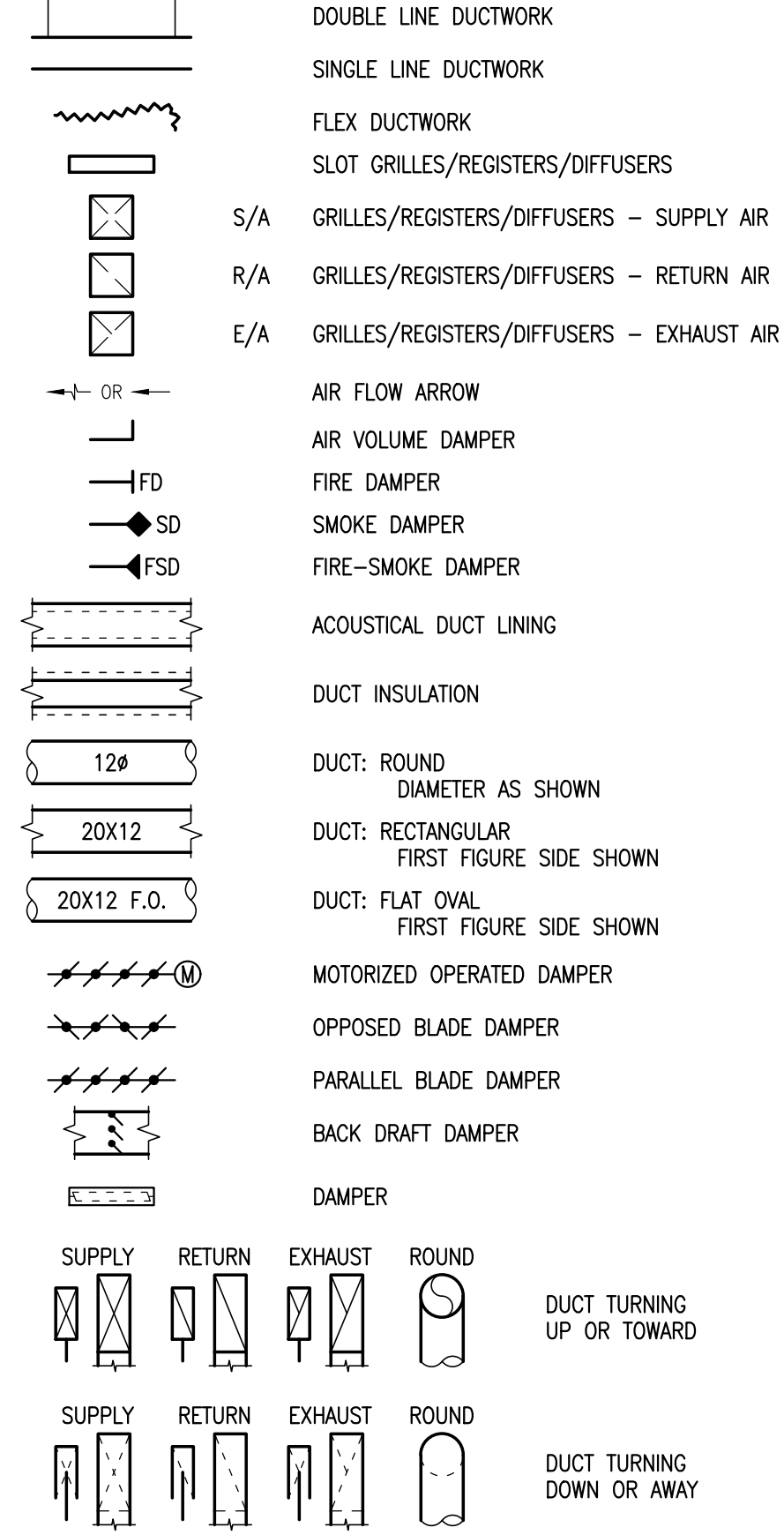
# STEAM PIPING



# SPECIALTY PIPING



# VENTILATION



# DRAWING INDEX

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M002	MECHANICAL SCHEDULES
M003	MECHANICAL SCHEDULES
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M201	LEVEL 1 PLAN - PLUMBING
M202	LEVEL 2 PLAN - PLUMBING
M203	ENLARGED PLANS AND DIAGRAMS - PLUMBING
M301	LEVEL 1 PLAN - HEATING & COOLING PIPING
M302	LEVEL 2 PLAN - HEATING & COOLING PIPING
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M402	LEVEL 2 PLAN - VENTILATION
M501	ENLARGED PLANS AND SECTIONS - MECH. ROOMS

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KETCHIKAN GATEWAY BOROUGH

**REC CENTER ADDITION**

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Revisions

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Sheet Contents

MECHANICAL LEGEND
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Sheet No.

**M001**

PLUMBING FIXTURE CONNECTION SCHEDULE							
SYMBOL	FIXTURE	WASTE (INCH)	VENT (INCH)	HW (INCH)	CW (INCH)	POWER	REMARKS, BASIS OF DESIGN
<b>SECTION 22 4000 - PLUMBING FIXTURES</b>							
WC-1	WATER CLOSET	4	2	-	1	-	WALL MOUNTED, TOP SPUD, ELONGATED BOWL, FLUSH VALVE.
WC-2	WATER CLOSET	4	2	-	1	-	WALL MOUNTED, TOP SPUD, ELONGATED BOWL, FLUSH VALVE, ADA COMPLIANT.
L-1	LAVATORY	1-1/2	1-1/2	1/2	1/2	-	WALL MOUNTED, SENSOR OPERATED FAUCET, ADA COMPLIANT.
S-1	MULTIPURPOSE ROOM SINK	1-1/2	1-1/2	1/2	1/2	-	STAINLESS STEEL, SINGLE BOWL, 6-1/2" DEPTH, WITH GOOSENECK FAUCET, ADA COMPLIANT.
S-2	KITCHEN HAND SINK	1-1/2	1-1/2	1/2	1/2	-	WALL MOUNTED, SINGLE BOWL, XXXX DEPTH, WITH GOOSENECK FAUCET.
S-3	2-COMPARTMENT SINK	1-1/2 TO FS-1	-	1/2	1/2	-	KITCHEN PREP SINK, TWO BOWLS, XXXX DEPTH, WITH FAUCET AND SPRAYER.
S-4	3-COMPARTMENT SINK	1-1/2 TO FS-1	-	1/2	1/2	-	KITCHEN PREP SINK, THREE BOWLS, XXXX DEPTH, WITH FAUCET AND SPRAYER.
S-5	GARAGE SINK	1-1/2	1-1/2	1/2	1/2	-	COUNTER MOUNTED, SINGLE BOWL, 10" DEPTH, WITH GOOSENECK FAUCET.
DF-1	DRINKING FOUNTAIN / BOTTLE FILLER	1-1/2	1-1/2	-	1/2	-	WALL MOUNTED, DUAL HEIGHT WITH AUTOMATIC BOTTLE FILLER, REFRIGERATED, ADA COMPLIANT.
FD-1	FLOOR DRAIN	4	2	-	-	-	MEDIUM DUTY, CAST IRON BODY WITH ADJUSTABLE POLISHED NICKEL BRONZE TOP.

EXPANSION TANK SCHEDULE						
SYMBOL	LOCATION	ACCEPTANCE VOL (GAL)	TANK VOL (GAL)	PRE-CHARGE (PSIG)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
<b>SECTION 23 2113 - HYDRONIC PIPING AND SPECIALTIES</b>						
ET-H1	MECH/ELEC ROOM	11.3	33.6	15	170	GLYCOL HEATING SYSTEM EXPANSION TANK: ASME STAMPED, STEEL SHELL WITH BUTYL/EPDM DIAPHRAGM, 125 PSIG MAX WORKING PRESSURE, 240 DEG F MAX OPERATING TEMPERATURE. PROVIDE WITH OPTIONAL SEISMIC RESTRAINTS. AMTROL AX-60V.
ET-C1	MECH/ELEC ROOM	11.3	33.6	15	200	GLYCOL COOLING SYSTEM EXPANSION TANK: SAME AS ET-H1. AMTROL AX-60V.

MISCELLANEOUS EQUIPMENT SCHEDULE				
SYMBOL	LOCATION	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
<b>SECTION 23 2113 - HYDRONIC PIPING AND SPECIALTIES</b>				
AS-H1	MECH/ELEC ROOM	-	200	GLYCOL HEATING COMBINATION AIR AND DIRT SEPARATOR: 3 INCH FLANGED CONNECTIONS, MAX WORKING PRESSURE OF 150 PSIG, MAX WORKING TEMPERATURE OF 270 DEG F, COALESCING MEDIA. SPIROTHERM VDT300.
AS-C1	MECH/ELEC ROOM	-	200	GLYCOL HEATING COMBINATION AIR AND DIRT SEPARATOR: 3 INCH FLANGED CONNECTIONS, MAX WORKING PRESSURE OF 150 PSIG, MAX WORKING TEMPERATURE OF 270 DEG F, COALESCING MEDIA. SPIROTHERM VDT300.
GM-1	MECH/ELEC ROOM	50W,115,1	160	GLYCOL HEATING MAKE-UP PACKAGE: COMPLETE WITH PUMP, LOW LEVEL CUT-OFF AND ALARM ARRANGEMENT, PRIMING VALVE, SHUTOFF VALVE, STRAINER, 17 GALLON STORAGE TANK WITH PRESSURE CONTROL, REDUCING VALVE AND GAUGE, LOW LEVEL ALARM WITH DRY CONTACTS, 1.0 GPM MAKE-UP CAPACITY AT FREE FLOW. AXIOM MODEL DMF300.
BT-H1	MECH/ELEC ROOM	-	2,800	BUFFER TANK: 250 GALLON, ASME STAMPED, STEEL SHELL, 6" FLANGED CONNECTIONS, 150PSIG MAXIMUM WORKING PRESSURE, 375 DEGREES F MAXIMUM OPERATING TEMPERATURE, INTERNAL BAFFLE, INSULATED. TACO BTLO250.
BT-C1	MECH/ELEC ROOM	-	2,800	BUFFER TANK: 250 GALLON, ASME STAMPED, STEEL SHELL, 6" FLANGED CONNECTIONS, 150PSIG MAXIMUM WORKING PRESSURE, 375 DEGREES F MAXIMUM OPERATING TEMPERATURE, INTERNAL BAFFLE, INSULATED. TACO BTLO250.

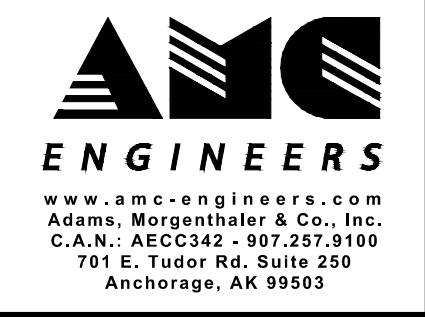
TERMINAL HEATING UNIT SCHEDULE									
SYMBOL	LOCATION	OUTPUT (MBH) (1)	FLUID	FLOW (GPM)	MAX WPD (FEET)	FLUID TEMP IN/OUT (DEGREES F)	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
<b>SECTION 23 8200 - TERMINAL HEATING AND COOLING UNITS</b>									
CUH-1	LOWER HALLWAY	5.4	WATER	1.5	0.6	140/120	0.4, 115, 1	90	WALL SEMI-RECESS MOUNT CABINET UNIT HEATER: 3 ROW COIL, UNIT-MOUNTED SOLID STATE MOTOR SPEED CONTROL (255 CFM, HIGH SPEED), 1 HIGH STATIC PSC MOTOR, INTEGRAL DISCHARGE AND INTAKE LOUVERS, FLAT FILTER, KEYLOCK ACCESS DOORS, TAMPER PROOF FASTENERS, PERMA-LAP FRAME, ARRANGEMENT 98. MODINE CW 002.
CUH-2	UPPER HALLWAY	24.4	WATER	3.8	2.1	140/120	0.4, 115, 1	130	SAME AS CUH-1, EXCEPT SIZE. MODINE CW 006.
UH-1	GARAGE	21.3	WATER	3.9	0.7	140/120	1/6, 115, 1	76	HORIZONTAL UNIT HEATER: 1775 CFM, AIR DEFLECTORS, SAFTEY GUARD. MODINE HC-121.
UH-2	MECH/ELEC ROOM	5.1	WATER	0.7	0.1	140/120	1/25, 115, 1	20	SAME AS UH-1, EXCEPT SIZE. MODINE HC-24.
UH-3	MEZZANINE	9.0	WATER	1.2	0.1	140/120	1/12, 115, 1	36	SAME AS UH-1, EXCEPT SIZE. MODINE HC-47.
UH-4	STORAGE ROOM	6.6	WATER	0.9	0.1	140/120	1/25, 115, 1	34	SAME AS UH-1, EXCEPT SIZE. MODINE HC-33.

NOTES:  
(1) SCHEDULED MBH OUTPUT IS REQUIRED HEAT LOAD FOR ROOM CONDITIONING.



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Sheet Contents  
MECHANICAL SCHEDULES

Sheet No.  
**M002**

FILE NAME: x:\23810 ketchikan\Drawings\Mechanical\sheet files\23810 - M002.dwg  
PLOTTED: epaguiayan 3/25/2024 12:40 PM

LOUVER/HOOD SCHEDULE								
SYMBOL	UNIT AND USAGE	SCFM	SIZE WIDTH X HT (INCHES)	MIN FREE AREA (SF)	MAX FREE AREA VEL (FPM)	MAX APD (IN WC)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
<b>SECTION 23 3700 - AIR OUTLETS AND INLETS</b>								
LV-1	AHU-5 OUTSIDE AIR INTAKE	13,000	72 X 108	32.7	400	0.03		LOUVER: 6" THICK EXTRUDED ALUMINUM, 37.5 DEGREE DRAINABLE BLADES WITH BIRD SCREEN, AMCA RATED FOR WATER AND AIR, VERTICAL MULLIONS AT 36" CENTERS. BLANK OFF UNUSED PORTIONS OF LOUVERS. RUSKIN ELF6375DX.
LV-2	AHU-5 RELIEF AIR	13,000	72 X 108	32.7	400	0.04		SAME AS LV-1 EXCEPT SIZE. RUSKIN ELF6375DX.
LV-3	EF-1(E), EF-2(E) EXHAUST AIR	2,760	60 X 36	8.3	335	0.02		SAME AS LV-1 EXCEPT SIZE. RUSKIN ELF6375DX.
LV-4	EF-6(E) EXHAUST AIR	360	42 X 30	4.7	80	0.01		SAME AS LV-1 EXCEPT SIZE. RUSKIN ELF6375DX.
LV-5	AHU-4(E) RELIEF AIR	4,375	72 X 54	15.7	280	0.01		SAME AS LV-1 EXCEPT SIZE. RUSKIN ELF6375DX.
LV-6	EF-9 EXHAUST AIR	450	18 X 18	1.0	450	0.03		SAME AS LV-1 EXCEPT SIZE. RUSKIN ELF6375DX.

FAN SCHEDULE								
SYMBOL	LOCATION	USE	SCFM	SP (INCH WC)	FAN RPM	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS BASIS OF DESIGN
<b>SECTION 23 3400 - FANS</b>								
EF-8	MEZZANINE FAN ROOM	TOILET EXHAUST	220	0.50	1583	1/10,115,1	50	INLINE EXHAUST FAN: DIRECT DRIVE, CENTRIFUGAL, EC MOTOR WITH ON-BOARD SPEED CONTROL DIAL. GREENHECK SQ-80-VG.
EF-9	GARAGE	GARAGE EXHAUST	450	0.50	1542	1/6,115,1	50	INLINE EXHAUST FAN: DIRECT DRIVE, CENTRIFUGAL, EC MOTOR WITH ON-BOARD SPEED CONTROL DIAL. GREENHECK SQ-95-VG.
RF-1	MEZZANINE FAN ROOM	RELIEF AIR	3,000	0.50	1468	1/460/3	170	MIXED FLOW FAN: DIRECT DRIVE, CEILING HUNG, HORIZONTAL DISCHARGE, STEEL CONSTRUCTION, WITH VFD. GREENHECK QEID-15.
RF-2	MEZZANINE FAN ROOM	RELIEF AIR	9,000	0.50	911	3/460/3	363	MIXED FLOW FAN: DIRECT DRIVE, CEILING HUNG, HORIZONTAL DISCHARGE, STEEL CONSTRUCTION, WITH VFD. GREENHECK QEID-24.


AIR HANDLING UNIT SCHEDULE												
SYMBOL	LOCATION	FAN SERVICE	SCFM	EXT / INT SP (IN WC)	SIZE (INCH)	FAN			MOTOR (HP,V,PH)	COIL NO	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
						TYPE	RPM	EFF & BHP				
<b>SECTION 23 7300 - CENTRAL AIR HANDLING UNITS</b>												
AHU-5	MEZZANINE FAN ROOM	S/A	13,000	1.2 ESP	22	DIRECT DRIVE PLENUM			6,480,3 (TWO) 2 VSDS	HC-1 CC-1		CUSTOM AIR HANDLING UNIT: DRAW THROUGH ARRANGEMENT. MIXING BOX WITH OUTSIDE AIR AND RETURN AIR DAMPERS, 2" MERV-8 PREFILTER, 4" MERV-13 FINAL FILTER, COOLING COIL, HEATING COIL, SUPPLY FAN SECTION, DISCHARGE PLENUM. 24" ACCESS DOORS, PERFORATED GALVANIZED INTERIOR WITH 2" THICK INSULATION, 6" BASE RAIL, MOUNTED ON 6" HOUSEKEEPING PAD. YORK XTI AHU WITH FAN ARRAY.

INDOOR AIR QUALITY DOCUMENTATION	
THE VENTILATION SYSTEMS FOR THIS FACILITY WERE DESIGNED IN ACCORDANCE WITH ASHRAE STANDARD 62.1-2019, BASED ON THE FOLLOWING ASSUMPTIONS:	
50	NORMAL BUILDING ADDITION POPULATION
1,400	AHU-1 MINIMUM OUTSIDE AIR CFM FOR INDOOR AIR QUALITY AND BUILDING PRESSURIZATION
14	OUTSIDE WINTER DESIGN TEMPERATURE (DEGREES F)
ASSUMPTION: OUTSIDE AIR MEETS NATIONAL PRIMARY AMBIENT AIR QUALITY STANDARDS SET BY THE U.S. EPA.	
ASSUMPTION: SOURCES OF IAQ CONTAMINATION ARE LIMITED TO NORMAL BUILDING FURNISHINGS, MATERIALS AND SURFACE COATINGS, AND HUMAN BIO-EFFLUENTS ASSOCIATED WITH ORDINARY HUMAN ACTIVITIES.	

PACKAGED HEAT PUMP SCHEDULE																
SYMBOL	LOCATION	100% CLG CAPACITY (TONS)	100% CLG EER (BTU/W-H)	100% HTG CAPACITY (MBH)	100% HTG COP (BTU/W-H)	REFRIG. TYPE	EVAPORATOR (HEAT/COOL)				OUTDOOR AMBIENT TEMP		MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN	
							FLUID TYPE	EWT (DEG F)	LWT (DEG F)	FLOW (GPM)	MAX PD (FT)	CLG DESIGN (DEG F)				HTG DESIGN (DEG F)
<b>SECTION 23 6426 - PACKAGED AIR COOLED WATER HEAT PUMPS</b>																
HP-1 HP-2 HP-3 HP-4 HP-5	OUTSIDE	10.0 (EACH) 505.4 MBH (TOTAL)	14.89	299	6.17	R-410A	30% PG	110 HTG 54 CLG	120 44	105.9 HTG 105.9 CLG (TOTAL)	16.2 HTG 16.2 CLG	73	14	208,3 XXX LRA 52 MCA XX MOP	1,000 (EACH)	AIR-TO-LIQUID HEAT PUMP: HIGH-EFFICIENCY SCROLL COMPRESSORS, STAINLESS STEEL BRAZED PLATE HEAT EXCHANGER, 4-WAY CYCLE INVERSION VALVE, FILTER DRIER, MECHANICAL THERMOSTATIC MIXING VALVE, REFRIGERANT SOLENOID VALVE, STEEL MESH WATER FILTER, HIGH POINT VENT, HOT-DIPPED GALVANIZED STEEL FOR OUTDOOR INSTALLATION, EC FAN INVERTER, PRESSURE RELIEF VALVE, HIGH AND LOW PRESSURE TRANSDUCER. SAMSUNG AG010K5VAFH/AA.



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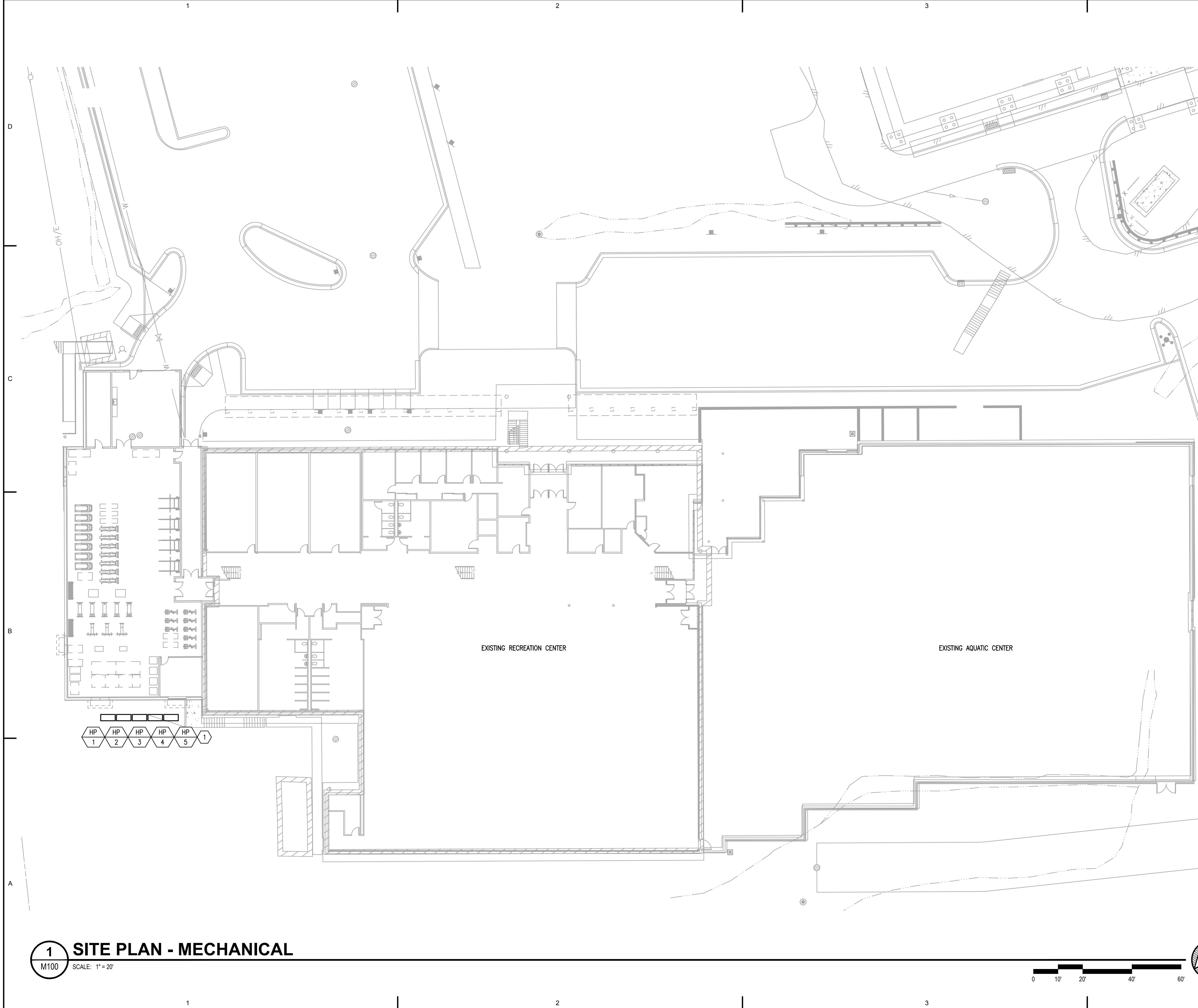
Revisions		
No.	Description	Date

Drawn by CRH	Date 3-27-24
Checked MDL	Job No. 23076.01

Sheet Contents MECHANICAL SCHEDULES
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Sheet No.  
**M003**

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**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ① MOUNT HEAT PUMPS APPROXIMATELY 12 INCHES ABOVE GROUND LEVEL ON A STAND FASTENED TO A HOUSEKEEPING PAD.
- ②
- ③
- ④
- ⑤

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No.	Description	Date

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Checked MDL	Job No. 23076.01

Sheet Contents

SITE PLAN - MECHANICAL

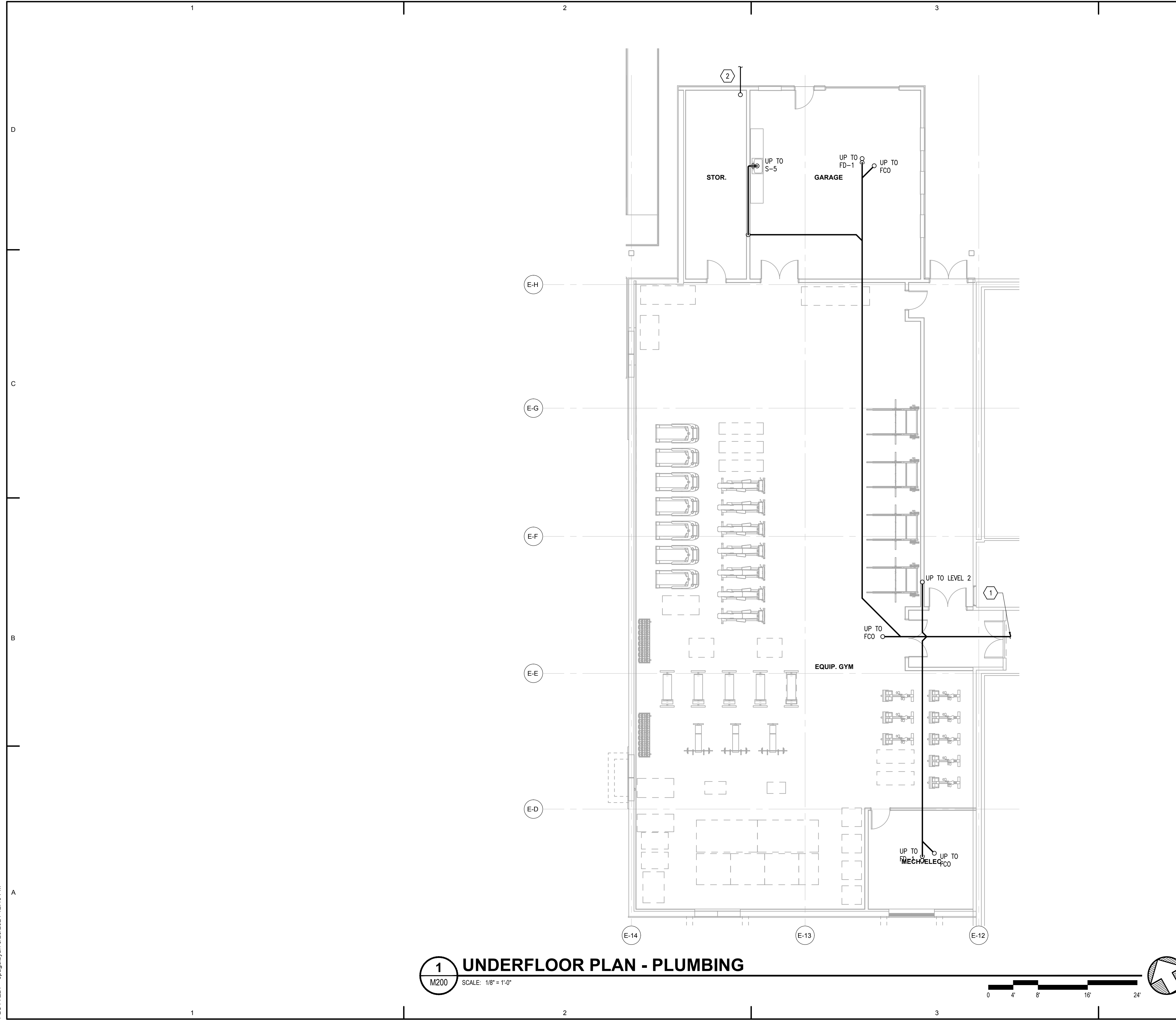
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**M100**

**1 SITE PLAN - MECHANICAL**

M100 SCALE: 1" = 20'

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FILE NAME: x:\23810 ketch\Drawings\Mech\sheet files\23810 - M200.dwg  
 PLOTTED: epaguiayan 3/27/24 12:40 PM



**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ① TIE INTO EXISTING WASTE PIPE APPROXIMATELY 32 FEET INSIDE EXISTING BUILDING. EXISTING I.E. IS APPROXIMATELY 36".
- ② 6-INCH WATER SERVICE ENTRY. SEE CIVIL FOR CONTINUATION.
- ③
- ④
- ⑤

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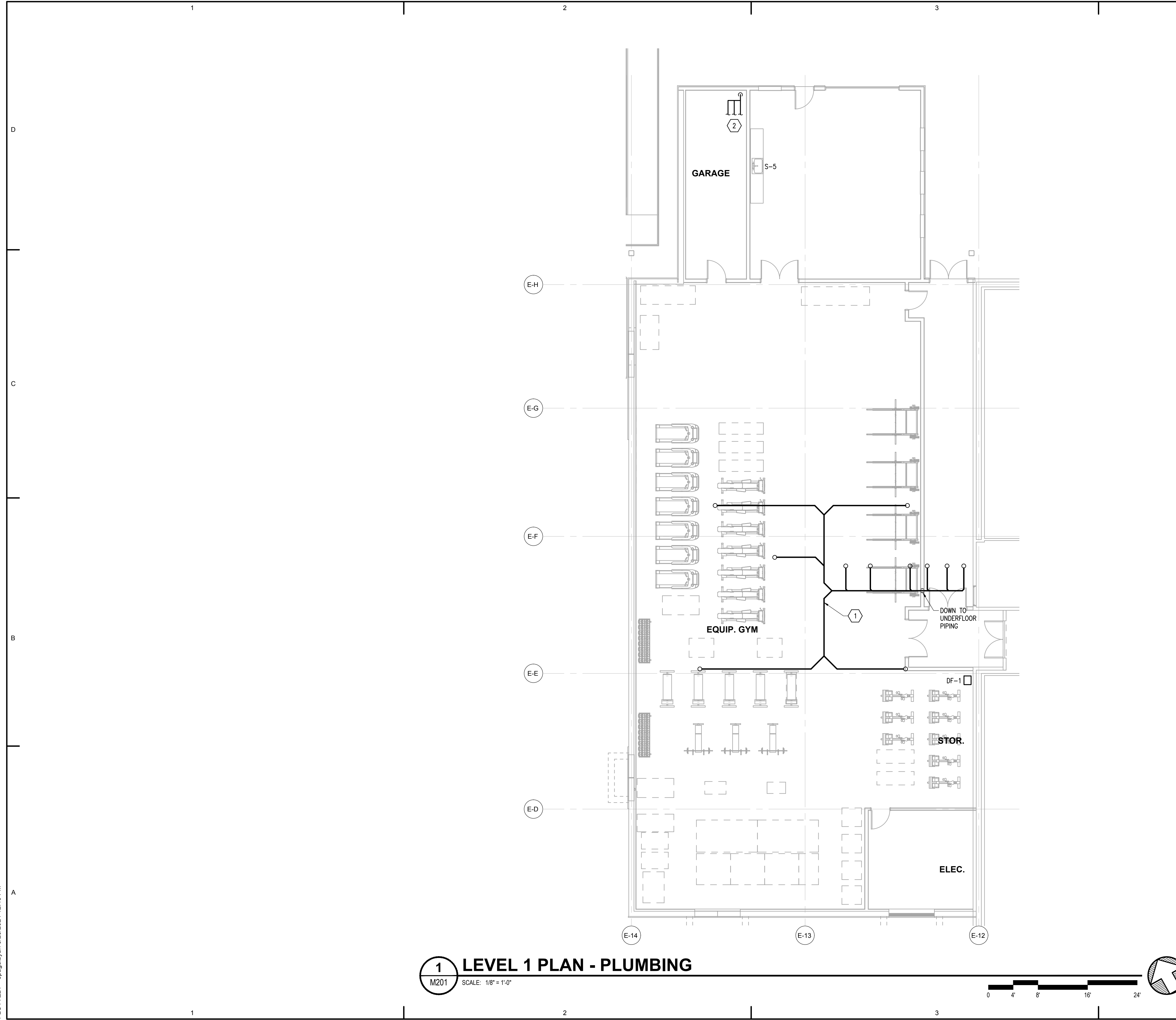
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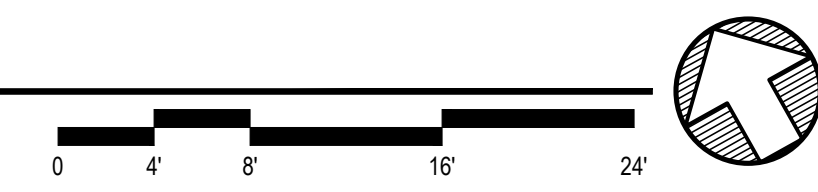
Sheet Contents  
 UNDERFLOOR PLAN - PLUMBING

Sheet No.  
**M200**

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 PLOTTED: epaguyan 3/27/24 12:40 PM



**1 LEVEL 1 PLAN - PLUMBING**  
 M201 SCALE: 1/8" = 1'-0"



**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ① WASTE PIPING FOR LEVEL 2.
- ② 6-INCH WATER SERVICE ENTRY AND SPRINKLER PIPING. PROVIDE WATER METER FOR DOMESTIC BRANCH. PROVIDE DOUBLE CHECK VALVE AND BOTH A WET PIPE RISER AND A DRY PIPE RISER. ROUTE BOTH FIRE PIPING BRANCHES AND 3-INCH CW BRANCH TO PREVIOUS WATER SERVICE ENTRY PIPING LOCATION IN EXISTING BUILDING AND CONNECT TO THE THREE SYSTEMS. THE 3-INCH CW SUPPLIES BOTH THIS BUILDING ADDITION AND THE EXISTING BUILDING.
- ③
- ④
- ⑤

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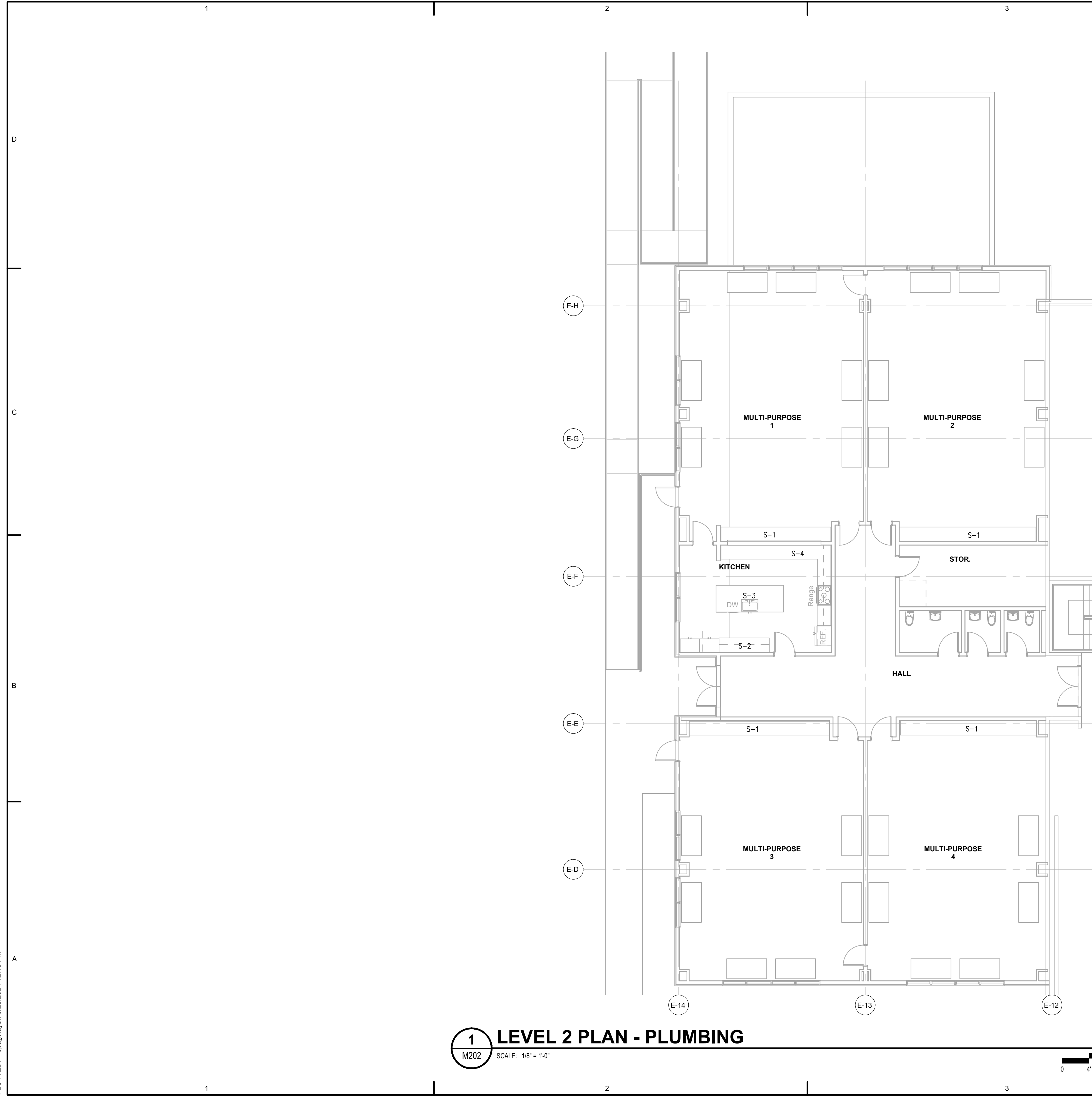
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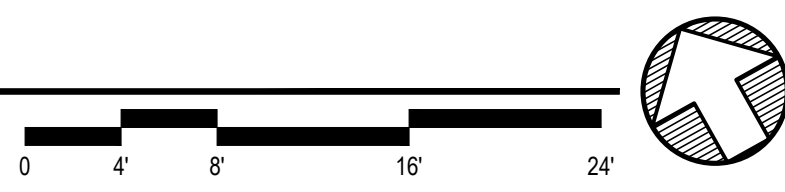
LEVEL 1 PLAN - PLUMBING
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Sheet No.  
**M201**

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**1 LEVEL 2 PLAN - PLUMBING**  
 SCALE: 1/8" = 1'-0"



**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ①
- ②
- ③
- ④
- ⑤

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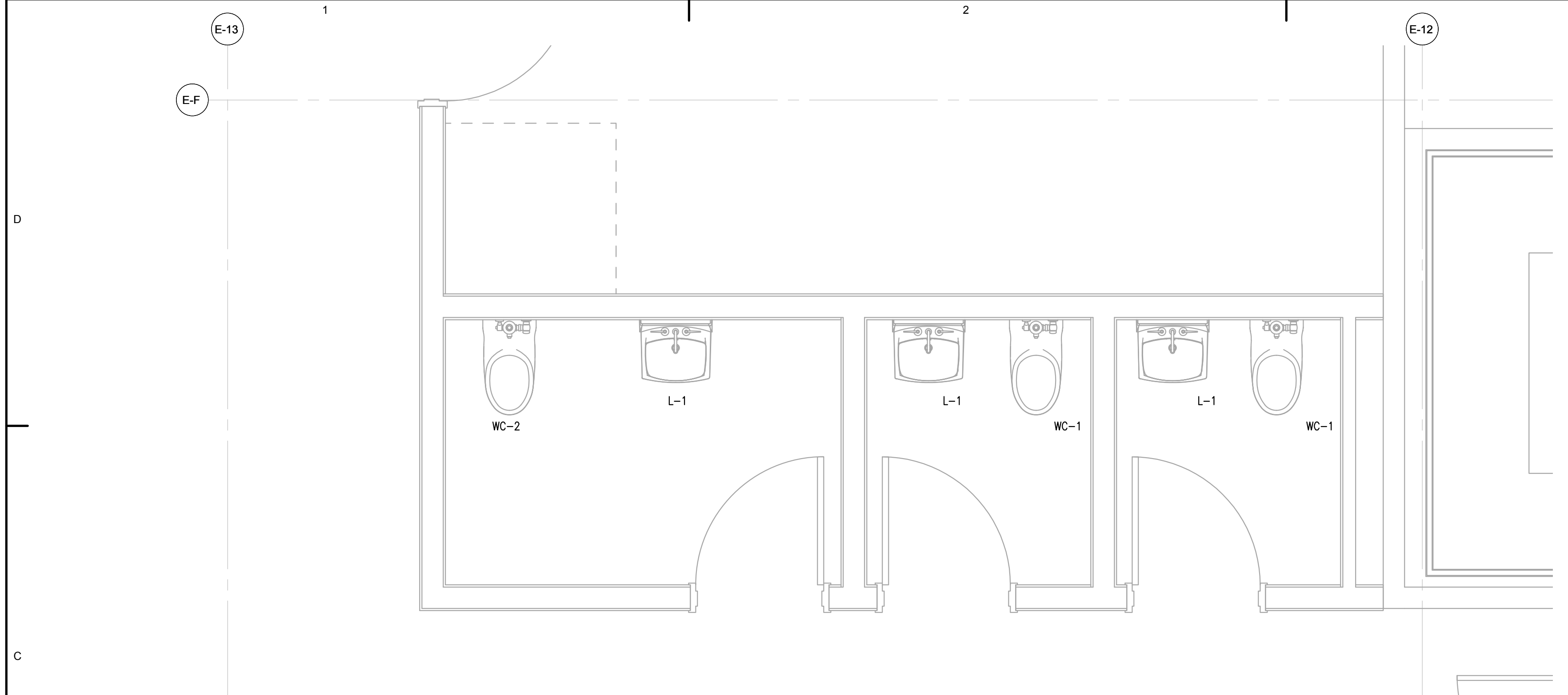
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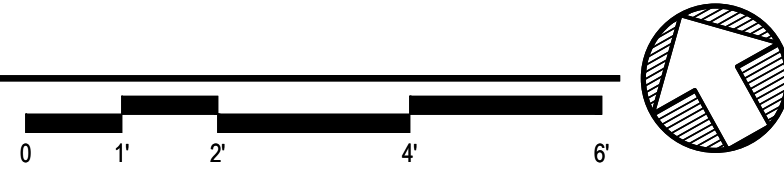
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LEVEL 2 PLAN - PLUMBING
-------------------------

Sheet No.  
**M202**



**1 ENLARGED PLAN - PLUMBING**  
 M203 SCALE: 1/2" = 1'-0"



**GENERAL NOTES**

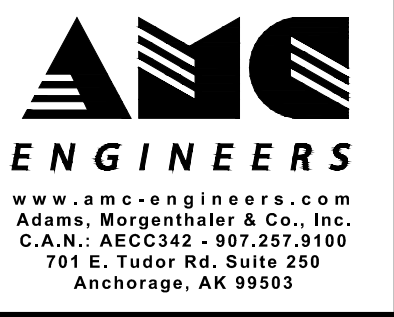
- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- 1
- 2
- 3
- 4
- 5



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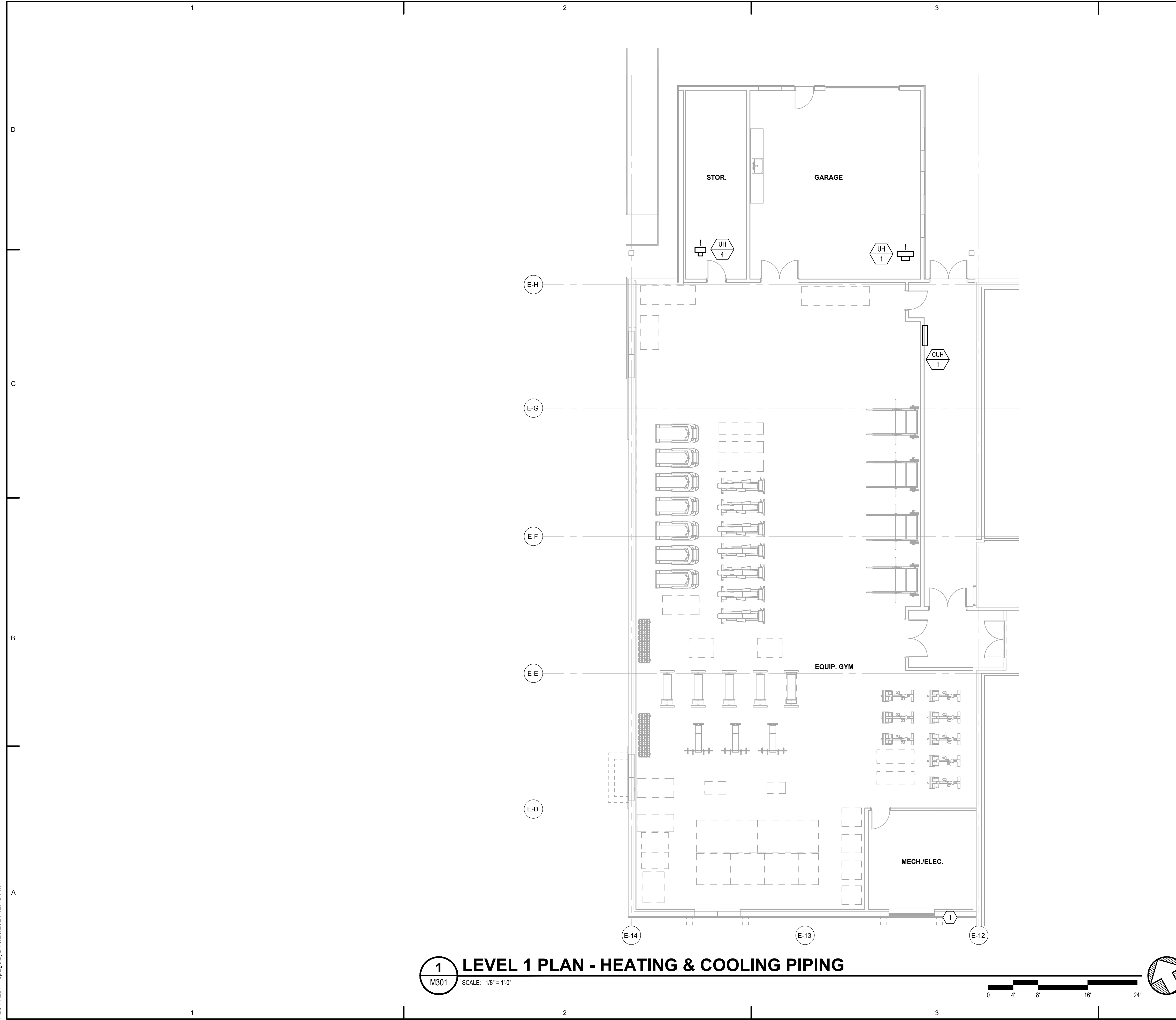
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No.	Description	Date

Drawn by CRH	Date 3-27-24
Checked MDL	Job No. 23076.01

Sheet Contents  
 ENLARGED PLANS AND DIAGRAM -  
 PLUMBING

Sheet No.  
**M203**

FILE NAME: x:\23810 ketchikan\Drawings\Mech\sheet files\23810 - M301.dwg  
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**1** LEVEL 1 PLAN - HEATING & COOLING PIPING  
 M301 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ① HEAT PUMPS ARE LOCATED IN THIS AREA, APPROXIMATELY 10 FEET AWAY FROM THE BUILDING.
- ②
- ③
- ④
- ⑤

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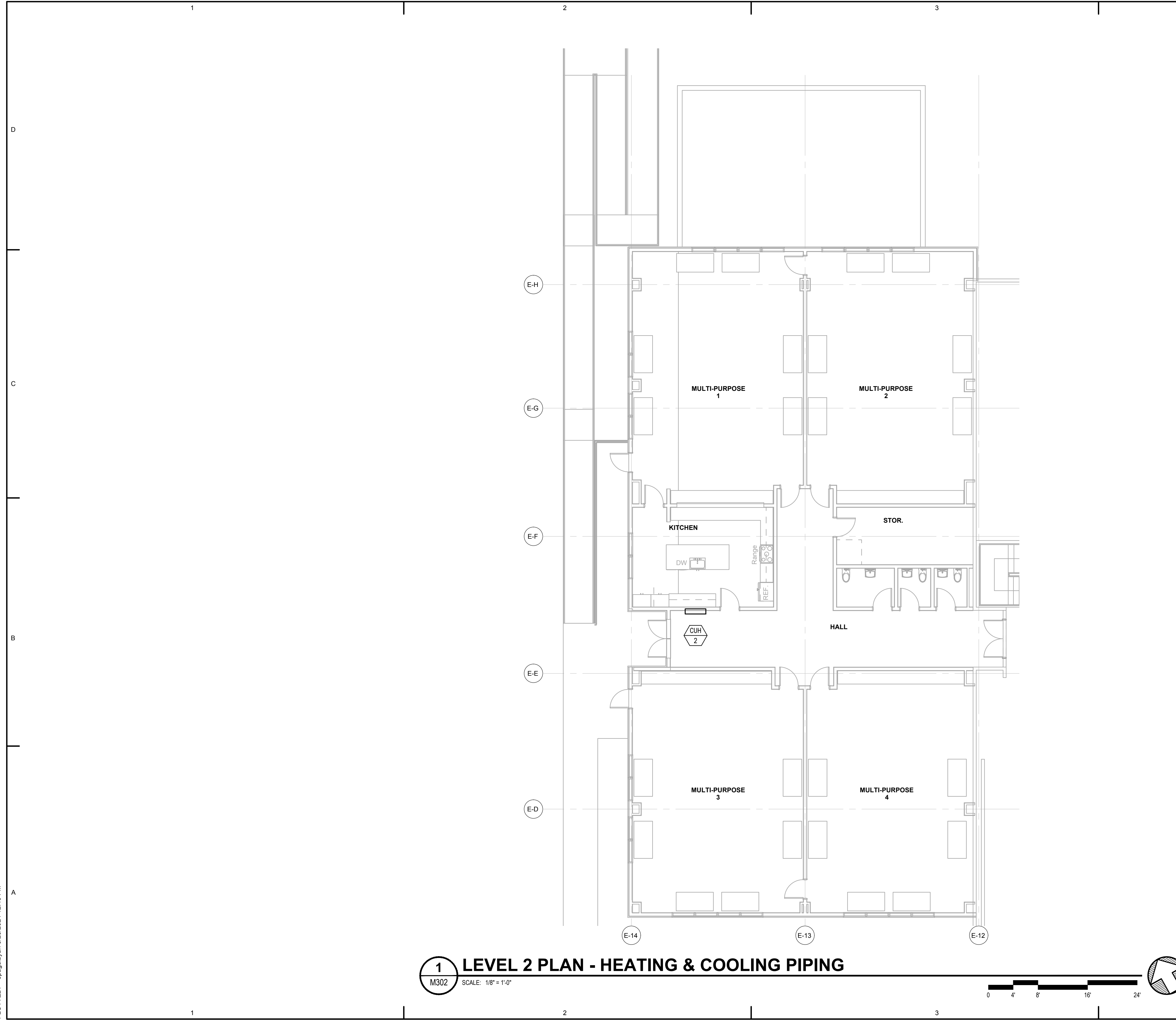
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Checked MDL	Job No. 23076.01

Sheet Contents  
 LEVEL 1 PLAN - HEATING & COOLING PIPING

Sheet No.  
**M301**

FILE NAME: x:\23810 ketchikan\Drawings\Mech\sheet files\23810 - M302.dwg  
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**1** LEVEL 2 PLAN - HEATING & COOLING PIPING  
 M302 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ①
- ②
- ③
- ④
- ⑤

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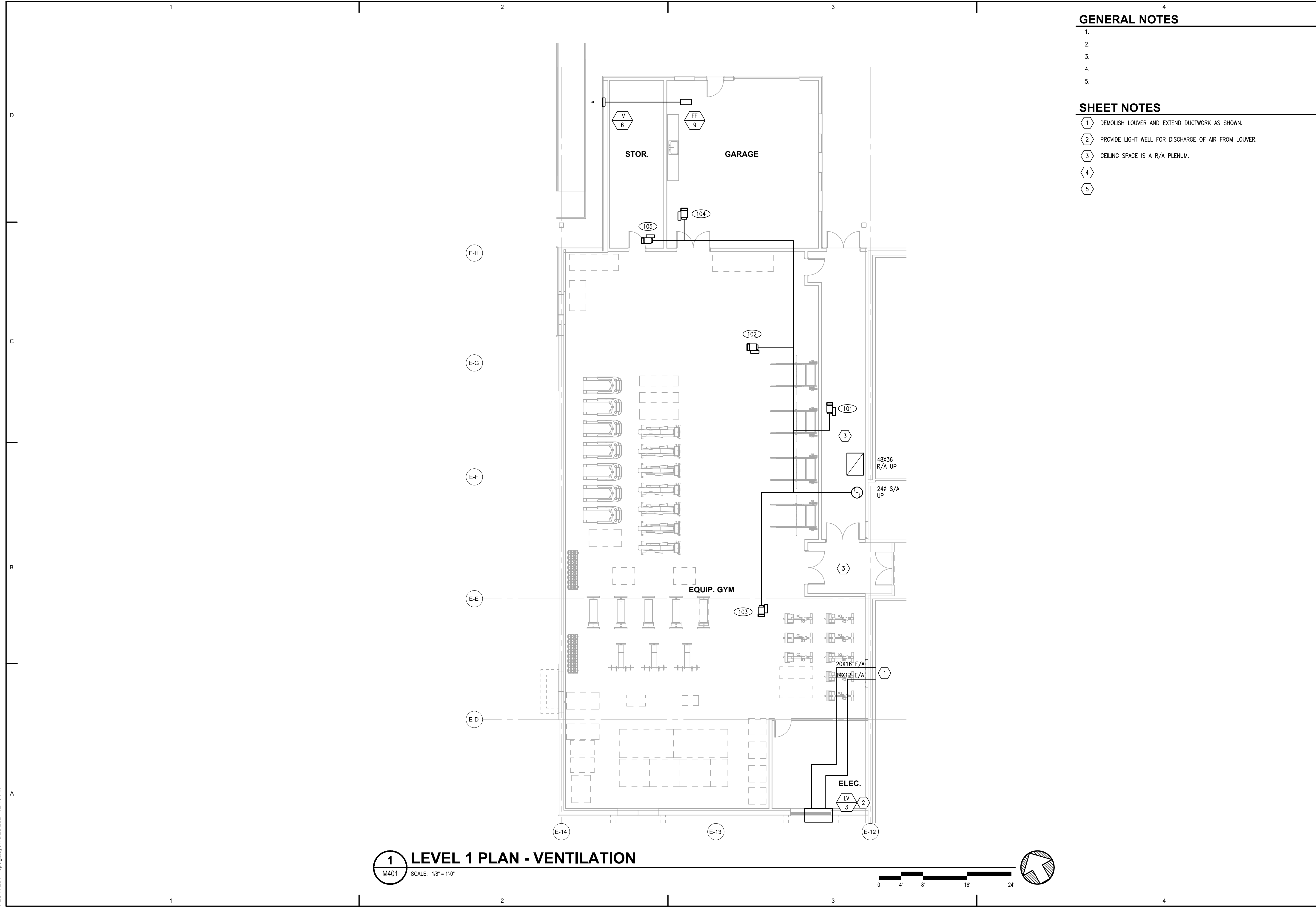
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Checked MDL	Job No. 23076.01

Sheet Contents  
 LEVEL 2 PLAN - HEATING &  
 COOLING PIPING

Sheet No.  
**M302**

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**1 LEVEL 1 PLAN - VENTILATION**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- 1 DEMOLISH LOUVER AND EXTEND DUCTWORK AS SHOWN.
- 2 PROVIDE LIGHT WELL FOR DISCHARGE OF AIR FROM LOUVER.
- 3 CEILING SPACE IS A R/A PLENUM.
- 4
- 5

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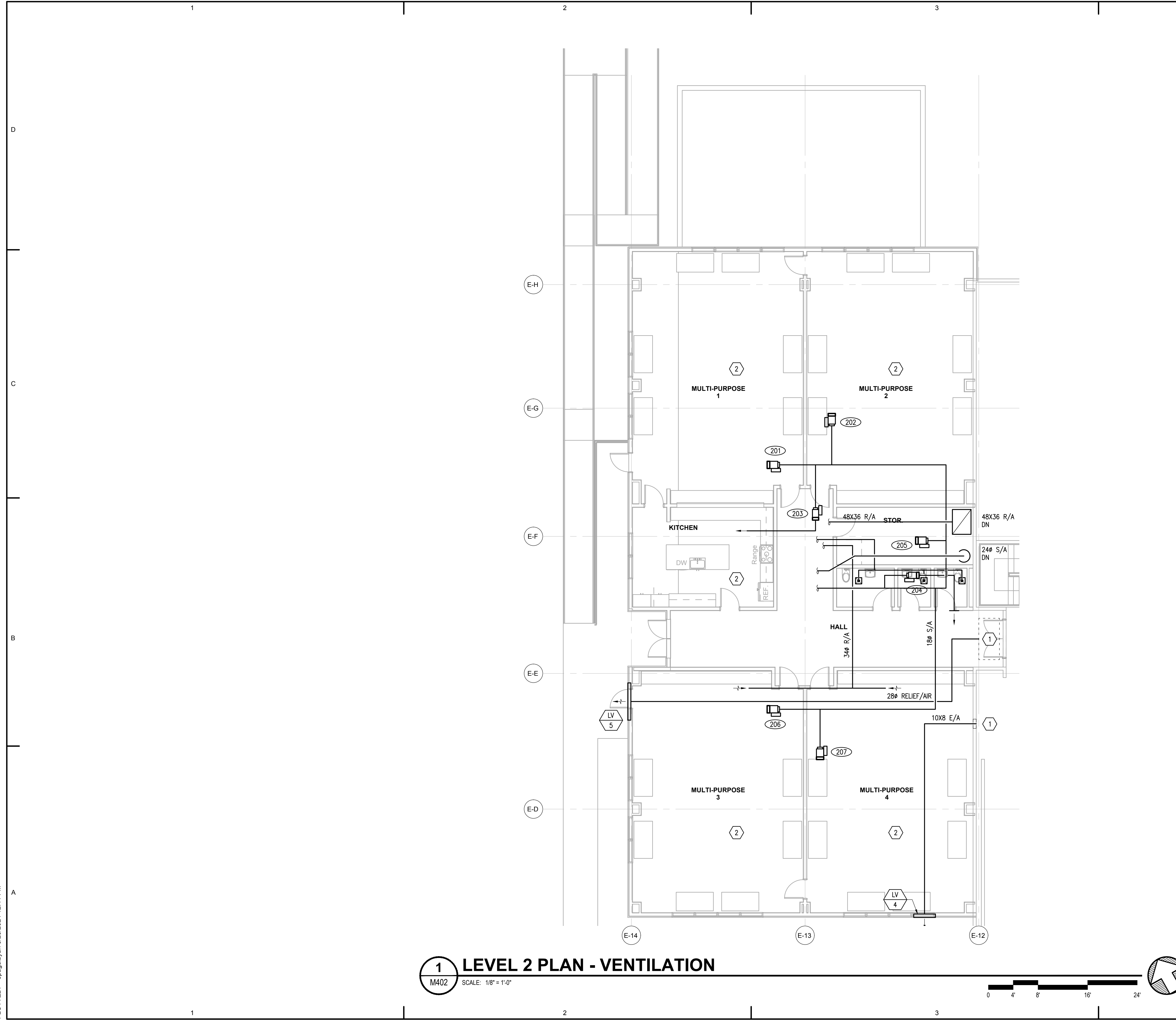
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No.	Description	Date

Drawn by CRH	Date 3-27-24
Checked MDL	Job No. 23076.01

Sheet Contents
LEVEL 1 PLAN - VENTILATION

Sheet No.  
**M401**

FILE NAME: x:\23810 ketchikan\Drawings\Mech\sheet files\23810 - M402.dwg  
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**1 LEVEL 2 PLAN - VENTILATION**  
 M402 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- ① DEMOLISH LOUVER AND EXTEND DUCTWORK AS SHOWN.
- ② CEILING SPACE IS A R/A PLENUM.
- ③
- ④
- ⑤

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Sheet Contents  
 LEVEL 2 PLAN - VENTILATION

Sheet No.  
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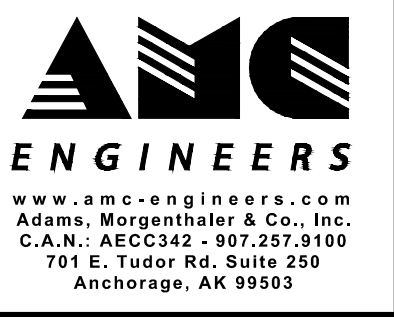
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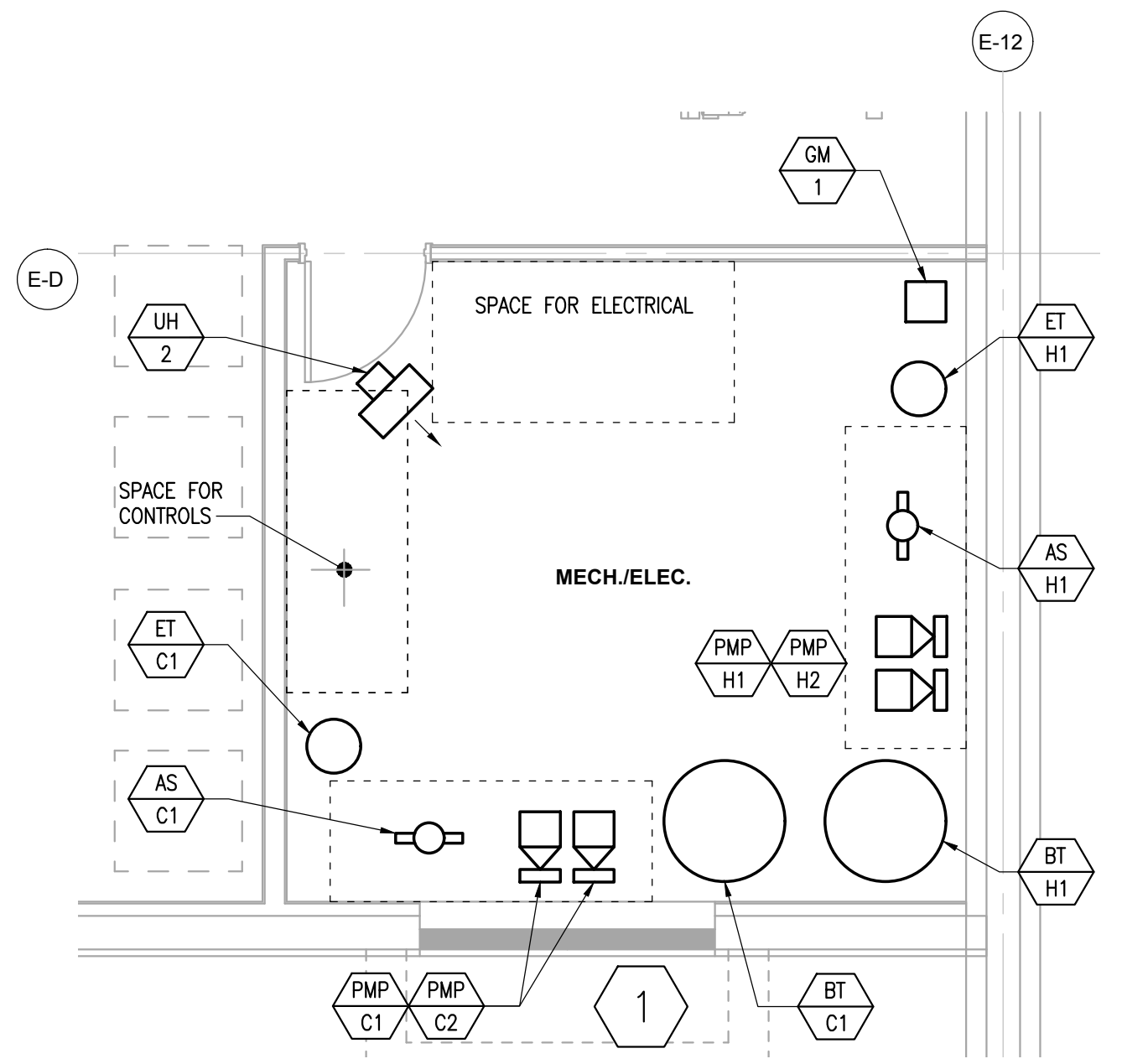
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 ENLARGED PLANS AND  
 SECTIONS - MECH. ROOMS

Sheet No.  
**M501**

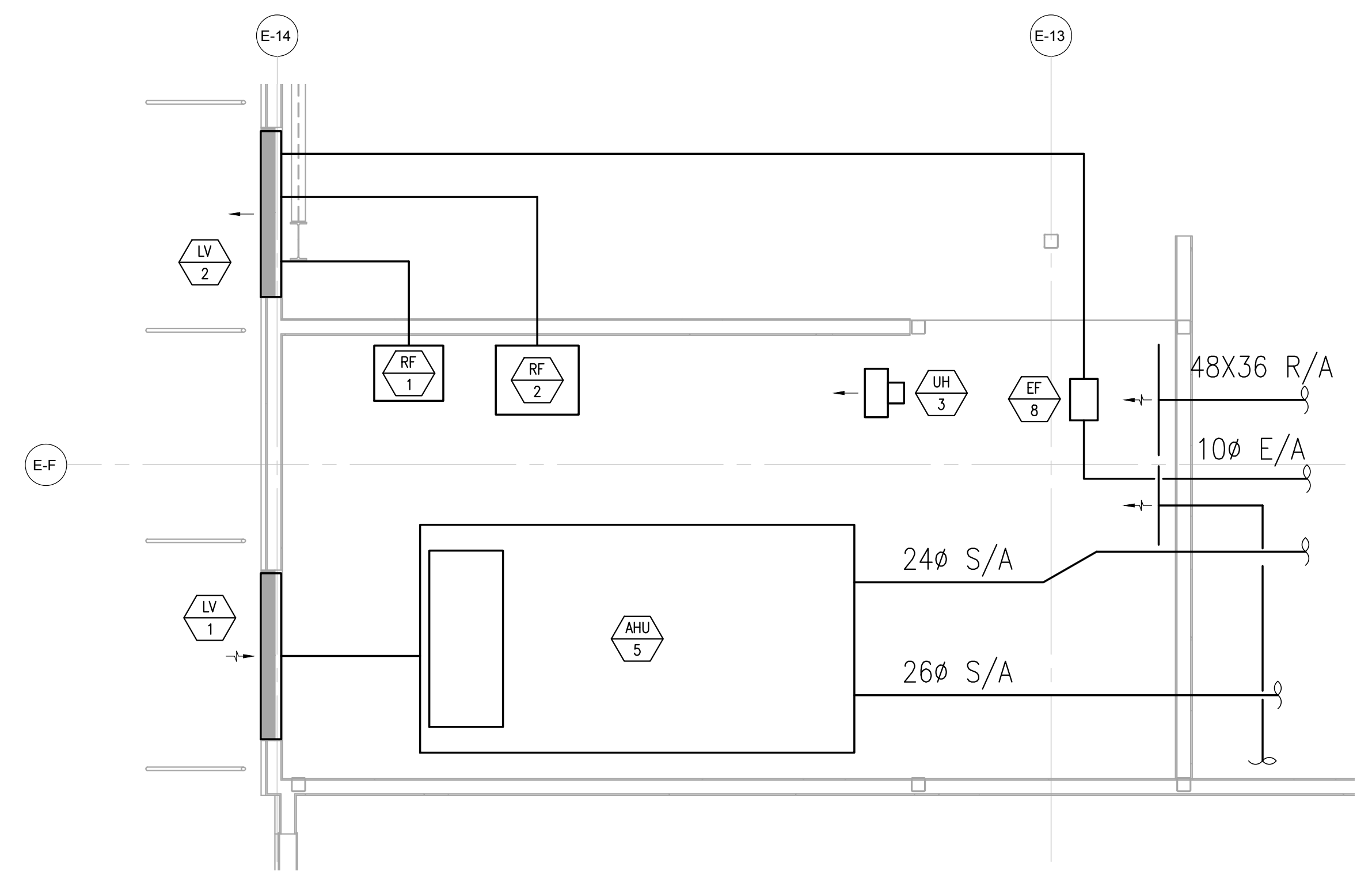
- 1.
- 2.
- 3.
- 4.
- 5.

**SHEET NOTES**

- 1
- 2
- 3
- 4
- 5

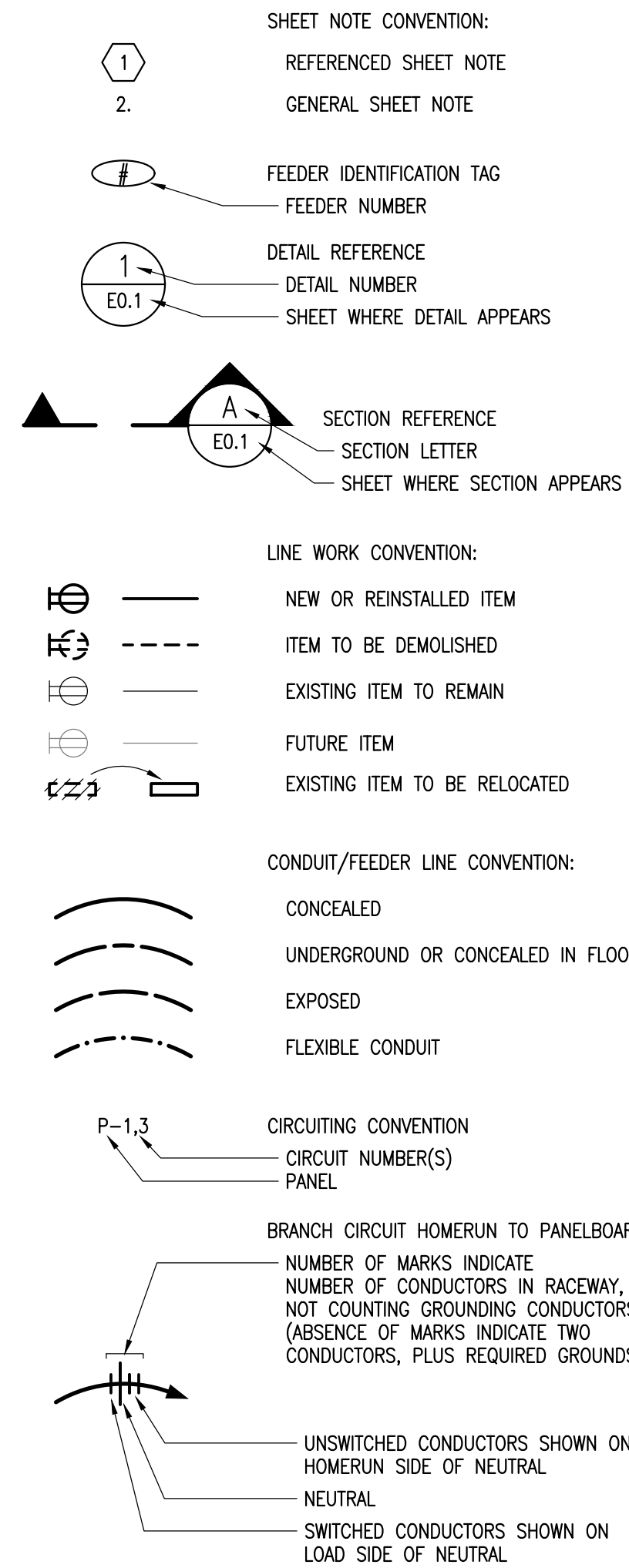


**1 ENLARGED PLAN - MECH. ROOM**  
 M501 SCALE: 1/4" = 1'-0"  
 0 2' 4' 8' 12'



**2 ENLARGED PLAN - MEZZANINE**  
 M501 SCALE: 1/4" = 1'-0"  
 0 2' 4' 8' 12'

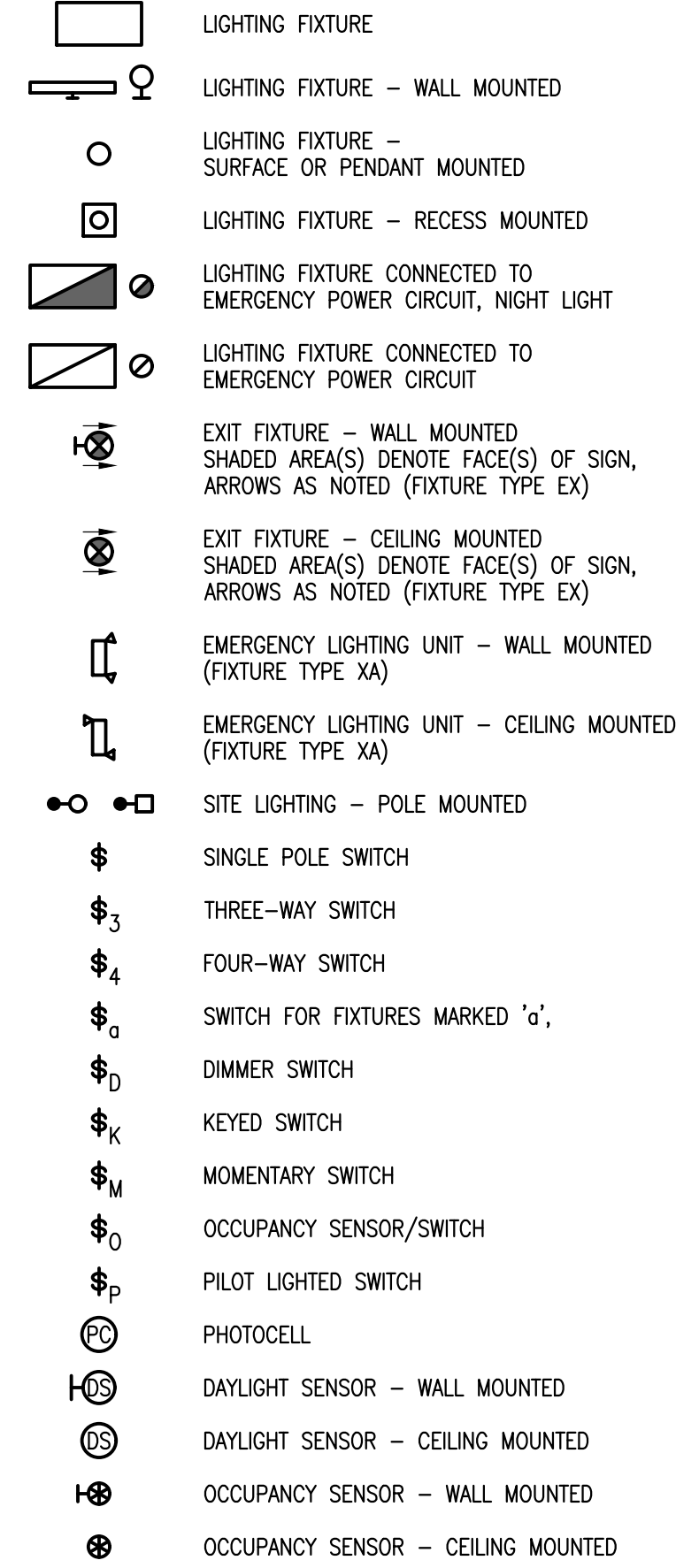
**GENERAL**



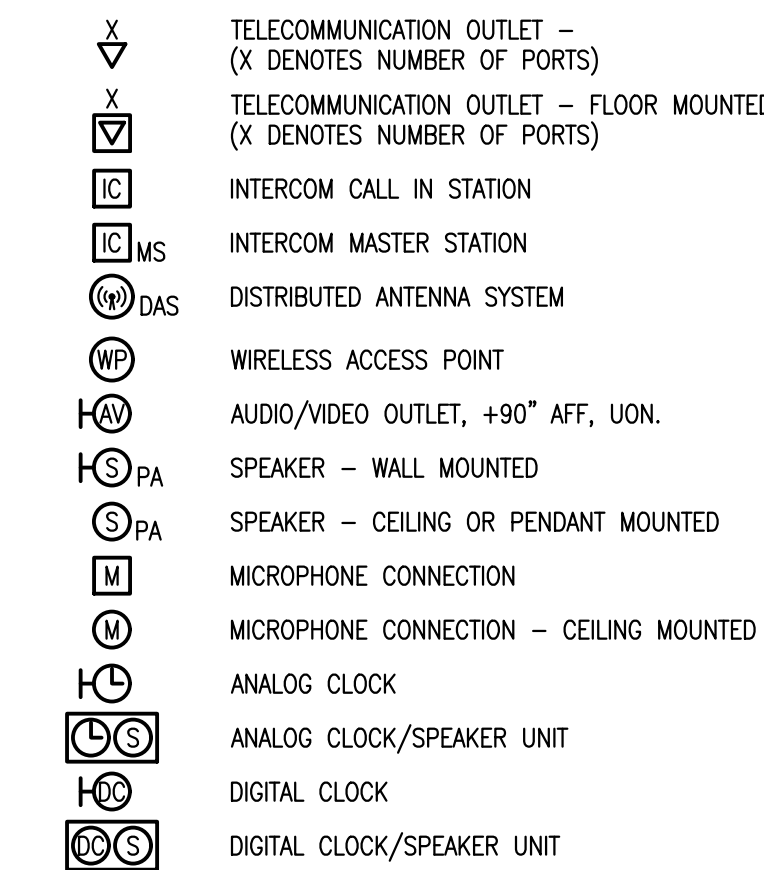
**ABBREVIATIONS**

ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
APPROX	APPROXIMATE
AHU	AUTHORITY HAVING JURISDICTION
BAS	BUILDING AUTOMATION SYSTEM
CKT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CMH	COMMUNICATIONS MANHOLE
C	CONDUIT
C.O.	CONDUIT ONLY
CU	COPPER
(D)	DEMOLISH
DB	DECIBEL
EL	EMERGENCY LIGHT
ELU	EMERGENCY LIGHTING UNIT
ENL	EMERGENCY NIGHT LIGHT
(E)	EXISTING
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FSD	FIRE/SMOKE DAMPER
HZ	FREQUENCY
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
K	KELVIN
KVA	KILO VOLT-AMPS
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MIN	MINIMUM
MM	MULTIMODE FIBER OPTIC CABLE
MTR	MAIN TELECOM ROOM
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFC	OPTICAL FIBER CABLE
OFICI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFIOI	OWNER FURNISHED, OWNER INSTALLED
PA	PUBLIC ADDRESS
PH	PHASE (ELECTRICAL)
PLC	PROGRAMMABLE LOGIC CONTROLLER
PMCS	POWER MONITORING CONTROL SYSTEM
SM	SINGLEMODE FIBER OPTIC CABLE
SMR	SURFACE MOUNTED RACEWAY
SPD	SURGE PROTECTIVE DEVICE
TELECOM	TELECOMMUNICATION
TR	TELECOMMUNICATION ROOM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VR	VANDAL RESISTANT
VSD	VARIABLE SPEED DRIVE
VAC	VOLTS (ALTERNATING CURRENT)
VDC	VOLTS (DIRECT CURRENT)
V	VOLTS OR VOLTAGE
W	WATT
WP	WEATHERPROOF
WG	WIRE GUARD

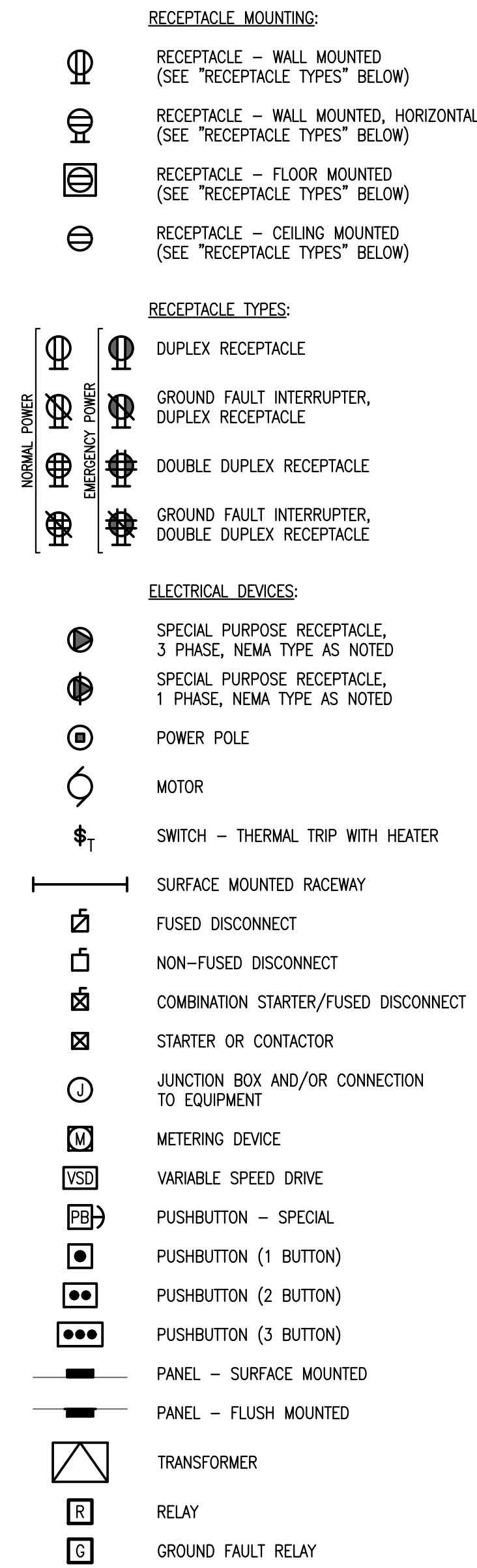
**LIGHTING**



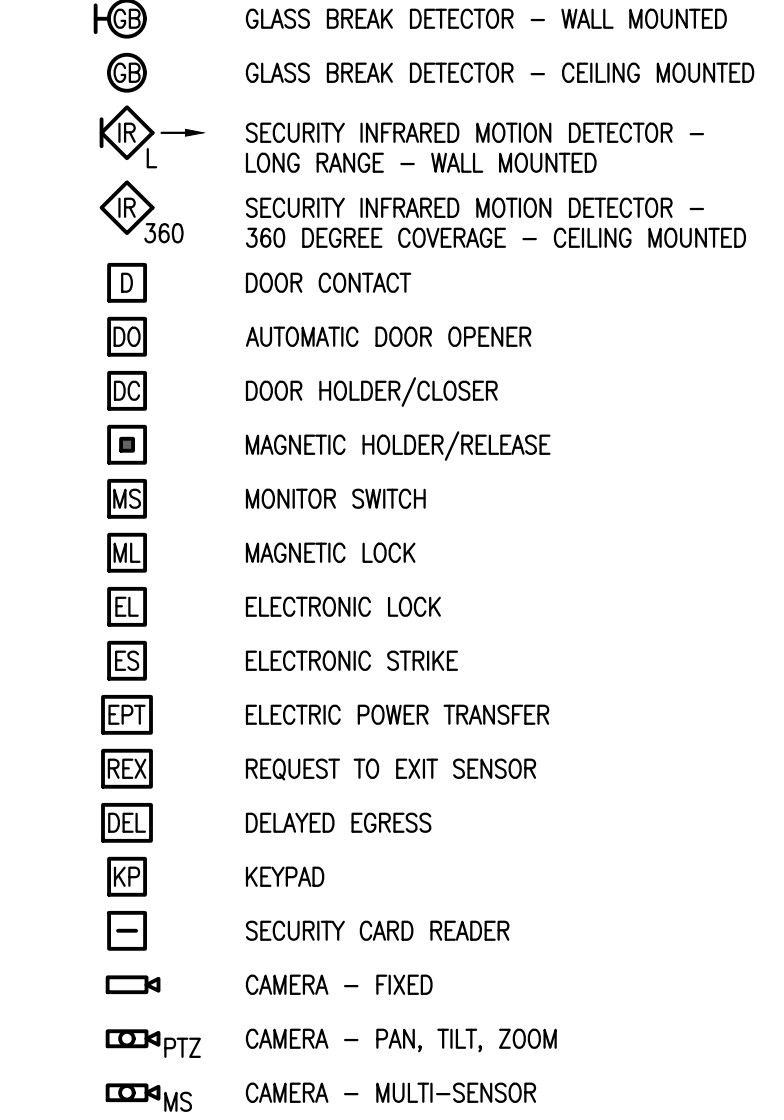
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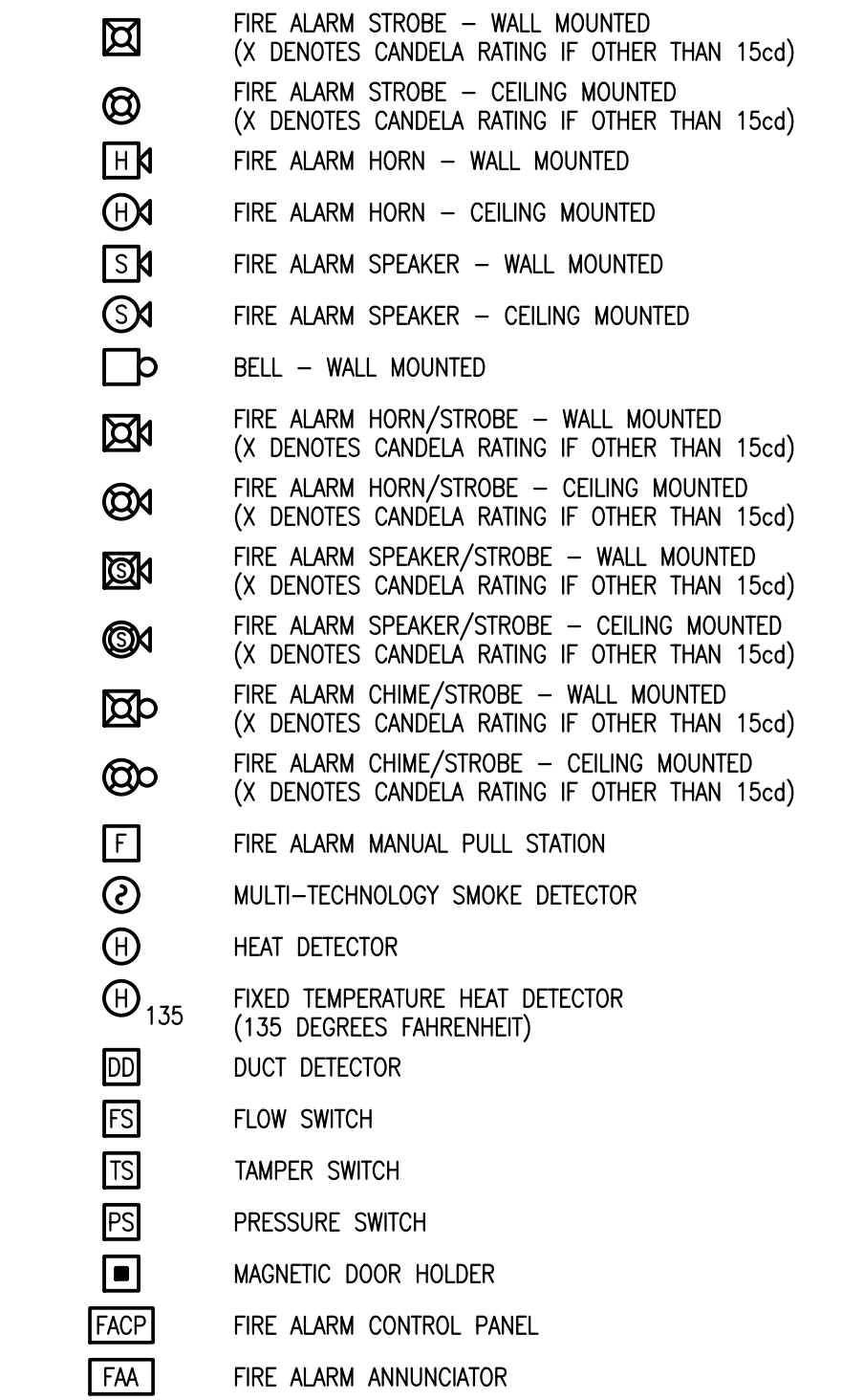
**POWER**



**SECURITY**



**FIRE ALARM**



**DRAWING INDEX**

E001	LEGEND, ABBREVIATIONS
E101	SITE PLAN - ELECTRICAL - DEMO
E102	SITE PLAN - ELECTRICAL
E301	LEVEL 1 PLAN - POWER
E302	LEVEL 2 PLAN - POWER
E501	ENLARGED PLANS
E701	POWER ONE-LINE DIAGRAM - EXISTING & DEMO
E702	POWER ONE-LINE DIAGRAM - NEW

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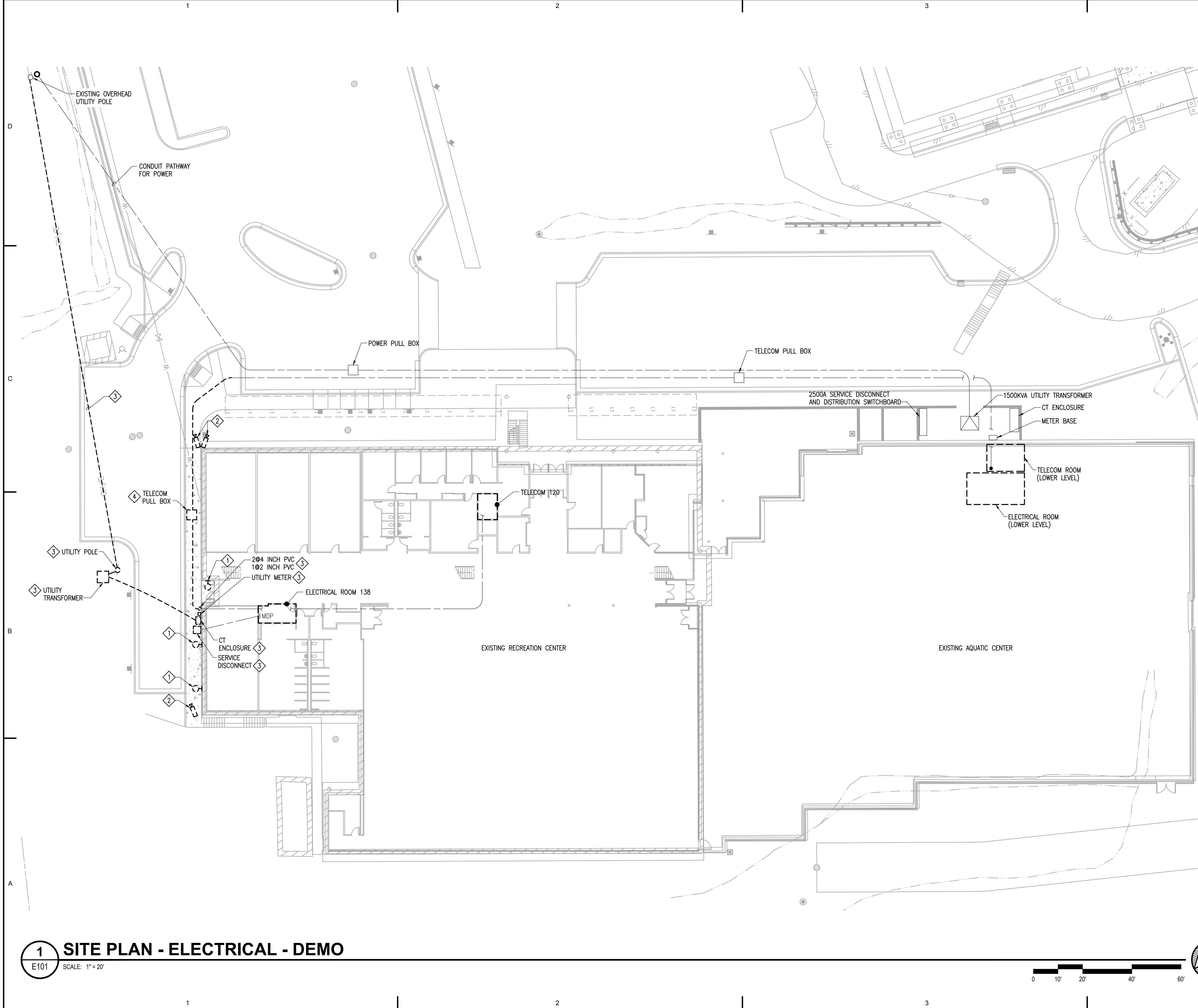
No.	Description	Date

Drawn by DSD Date 3-27-24  
Checked by DRM Job No. 23076.01

**Sheet Contents**

LEGEND, ABBREVIATIONS

Sheet No.  
**E001**



**GENERAL NOTES**

1. SITE EQUIPMENT LOCATIONS ARE BASED UPON AVAILABLE RECORD DRAWINGS—CONTRACTOR TO VERIFY.


**DEMOLITION NOTES**

- 1. DEMOLISH EXTERIOR WALL MOUNTED LIGHTING FIXTURE INCLUDING CONDUIT AND CONDUCTORS BACK TO PROTECTIVE DEVICE AND MAKE SAFE.
- 2. DISCONNECT AND REMOVE EXTERIOR IP CAMERA AND RESERVE FOR REINSTALLATION.
- 3. DEMOLISH OVERHEAD UTILITY LINE AND ASSOCIATED POLES, UTILITY POLE RISER, SERVICE TRANSFORMER, CT ENCLOSURE, METER AND SERVICE DISCONNECT. COORDINATE WITH KPU (KETCHIKAN PUBLIC UTILITIES) FOR REQUIREMENTS AND PHASING OF WORK. DISCONNECT, INTERCEPT, AND EXTEND CONDUIT AND CONDUCTORS FROM BUILDING PENETRATION SERVING MDP IN ACCORDANCE WITH SHEET E102.
- 4. DEMOLISH IN-GRADE TELECOM PULL BOX. DISCONNECT, PULL BACK AND RESERVE CABLING AT LOCATION OF NEW TELECOM PULL BOX. REPAIR CONDUIT PATHWAY AT DEMOLISHED PULL BOX. EXTEND AND REROUTE IN ACCORDANCE WITH SHEET E102.

  
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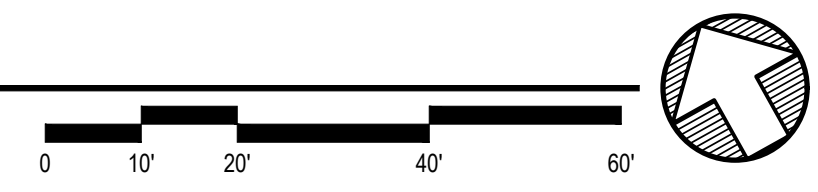
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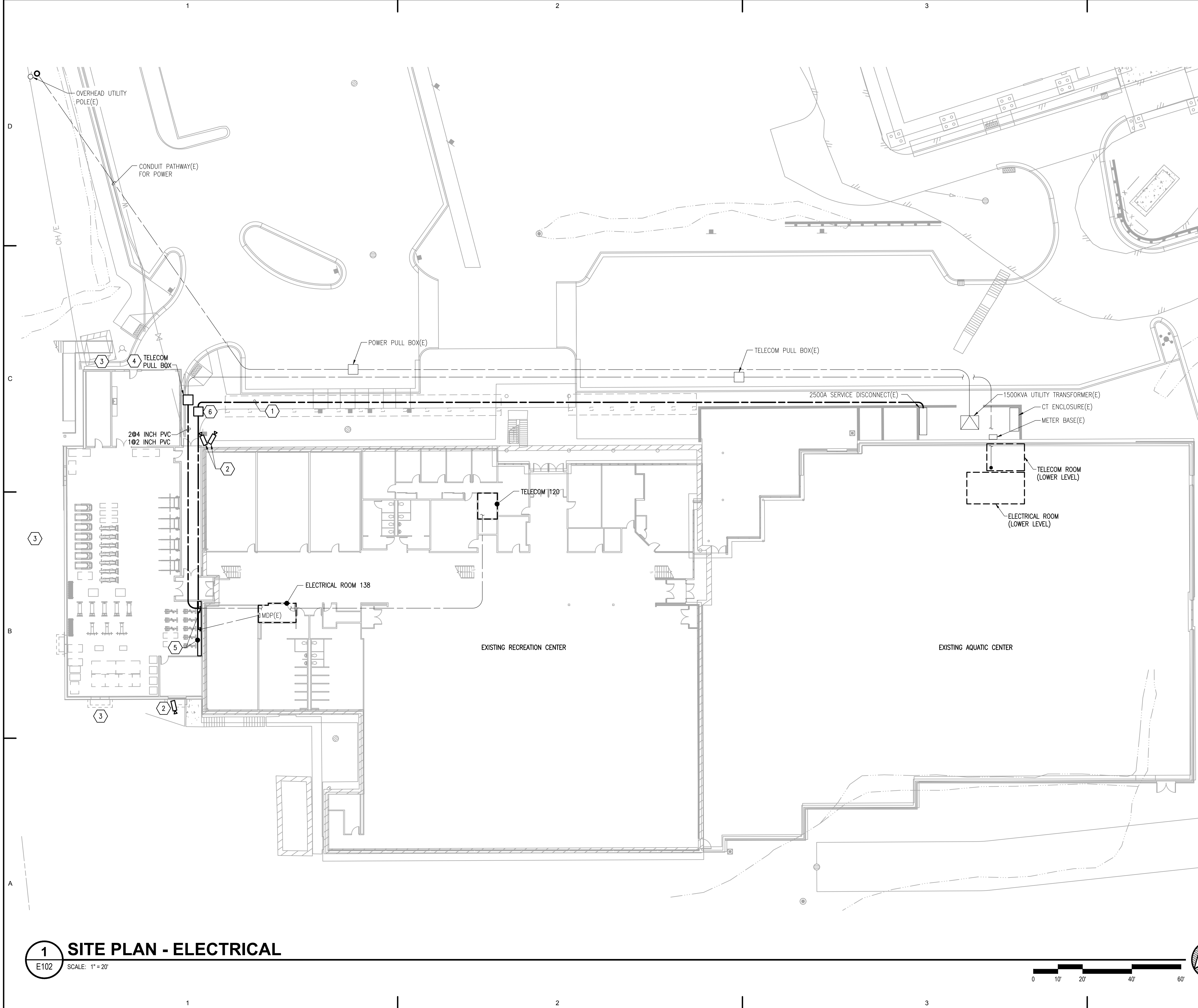
Sheet Contents  
SITE PLAN - ELECTRICAL - DEMO

Sheet No.  
**E101**

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**1 SITE PLAN - ELECTRICAL - DEMO**  
E101 SCALE: 1" = 20'





**GENERAL NOTES**

1. SITE EQUIPMENT LOCATIONS ARE BASED UPON AVAILABLE RECORD DRAWINGS—CONTRACTOR TO VERIFY.
2. INTERIOR ELECTRICAL WORK NOT SHOWN ON DRAWINGS. REFER TO SCHEMATIC DESIGN NARRATIVE FOR ADDITIONAL INFORMATION.

**SHEET NOTES**

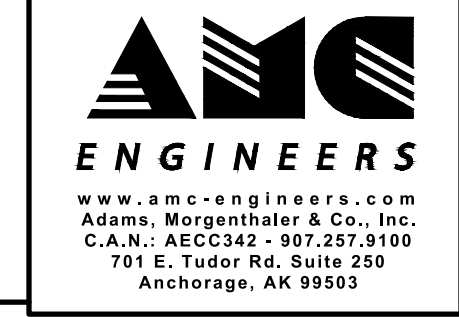
1. INTERCEPT AND EXTEND (2) 3-INCH CONDUITS OF 4-350KCMIL AND 1-#1 GROUND CONDUCTORS UNDERGROUND TO 2500 AMP SERVICE DISTRIBUTION PANEL. TRENCH ACROSS SOFTSCAPE, HARDSCAPE INCLUDING SIDEWALKS AND ASPHALT AND ALONG FACE OF THE BUILDING. UPON COMPLETION, RESTORE TO ORIGINAL CONDITION. EXACT ROUTING AND REQUIREMENTS WILL BE DETERMINED DURING FUTURE DESIGN PHASE.
2. RELOCATE CAMERAS RESERVED DURING DEMOLITION PHASE TO LOCATION SHOWN. PROVIDE NEW CABLING AS REQUIRED. ADDITIONAL CAMERAS AND LOCATIONS WILL BE COORDINATED IN FUTURE DESIGN PHASE TO ACCOMMODATE THE NEEDS OF OWNER.
3. PROVIDE EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES TO ILLUMINATE THE EGRESS PATHWAY AT GROUND LEVEL AND SECOND LEVEL DECK. LIGHTING FIXTURES WILL BE SELECTED TO COMPLIMENT THE BUILDING ARCHITECTURE AND WILL BE DETERMINED DURING FUTURE DESIGN PHASES.
4. PROVIDE TELECOM PULL-BOX IN ASPHALT. COORDINATE WITH CIVIL FOR LOCATION. EXTEND AND REROUTE CONDUIT AND CABLING AS REQUIRED.
5. ROUTE VIA 18 INCH DEEP CHASE. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.
6. PROVIDE POWER PULL-BOX IN ASPHALT. COORDINATE WITH CIVIL FOR LOCATION.



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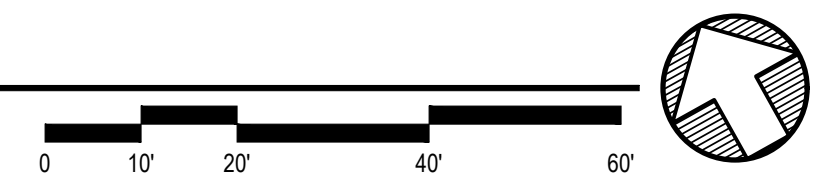
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Sheet Contents  
SITE PLAN - ELECTRICAL

Sheet No.  
**E102**

**1 SITE PLAN - ELECTRICAL**

E102 SCALE: 1" = 20'



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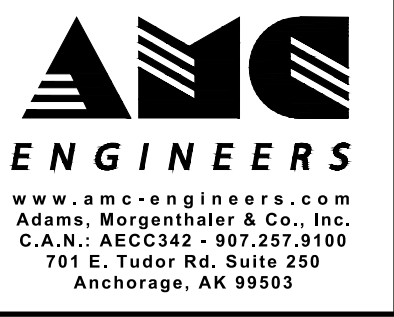
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**GENERAL NOTES**

- POWER DISTRIBUTION SHOWN ONLY. POWER DRAWINGS WILL BE FURTHER DEVELOPED IN FUTURE DESIGN PHASES. REFER TO SCHEMATIC DESIGN BASIS OF DESIGN NARRATIVE FOR ADDITIONAL INFORMATION.



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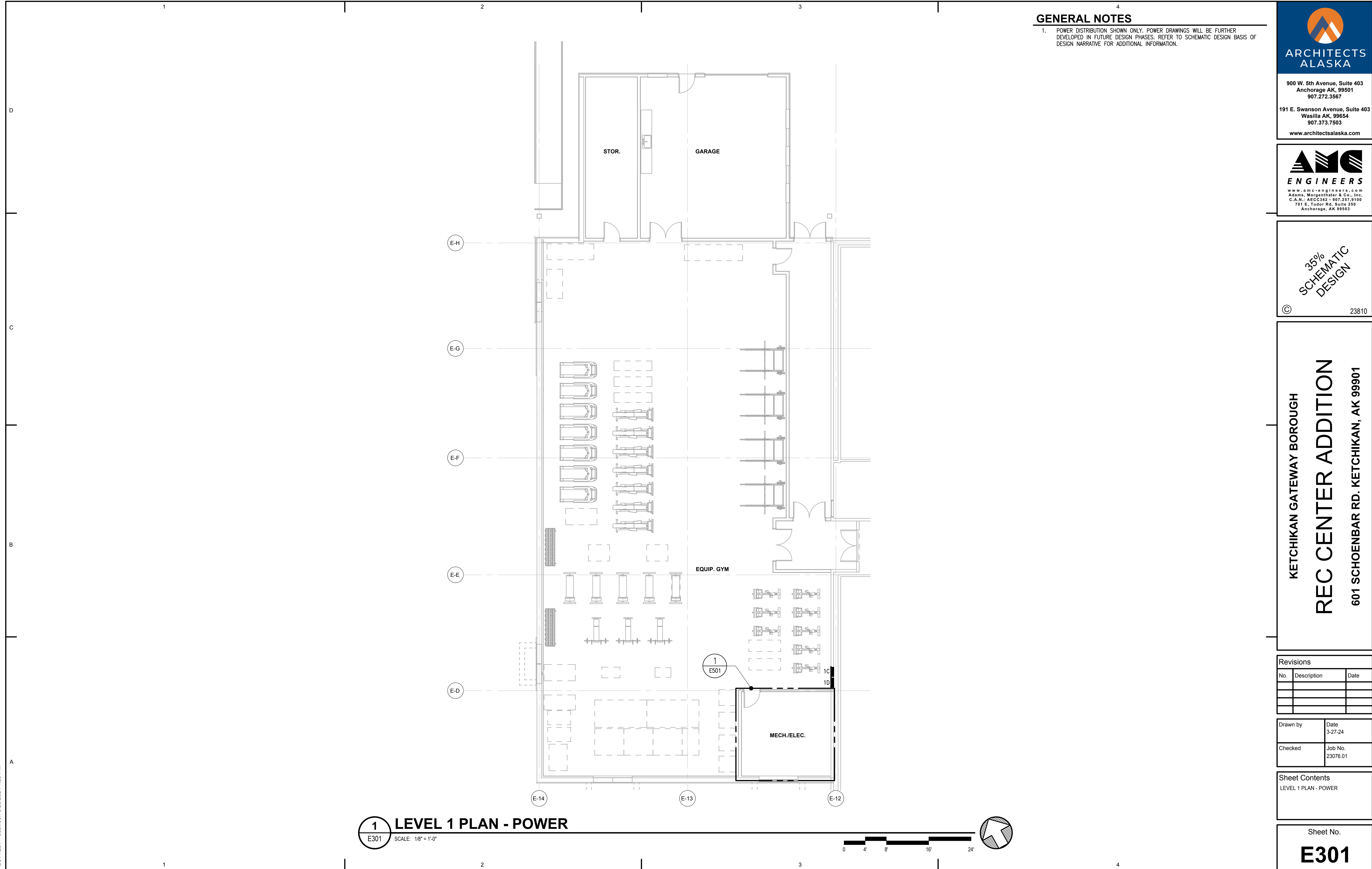
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	3-27-24
Checked	Job No.
	23076.01

Sheet Contents  
 LEVEL 1 PLAN - POWER

Sheet No.  
**E301**



**1 LEVEL 1 PLAN - POWER**  
 E301 SCALE: 1/8" = 1'-0"

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**GENERAL NOTES**

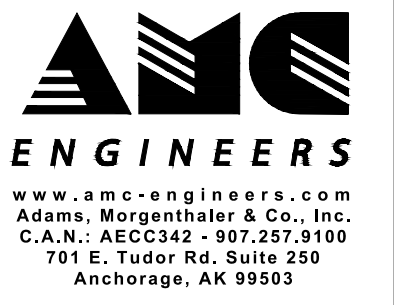
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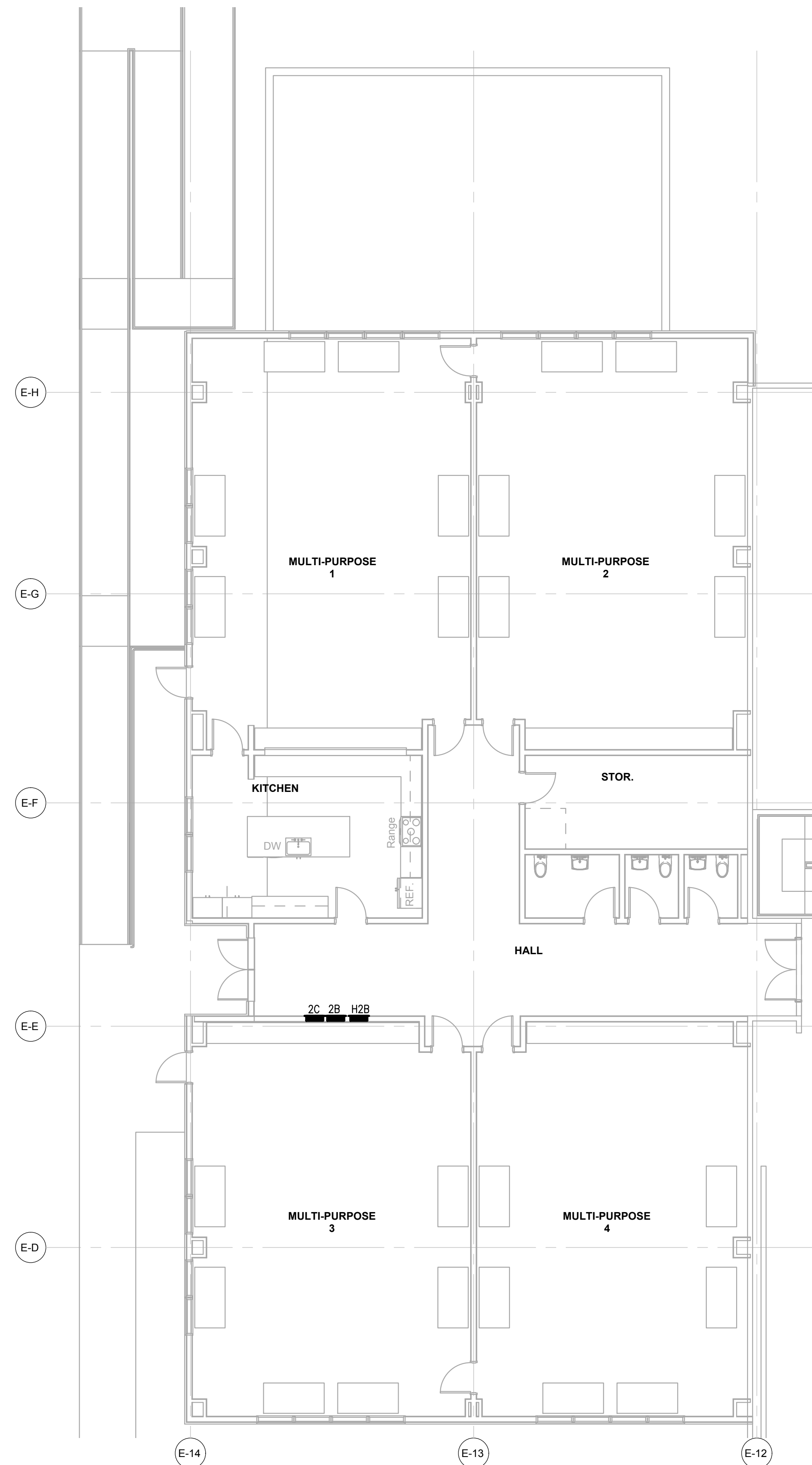
**Revisions**

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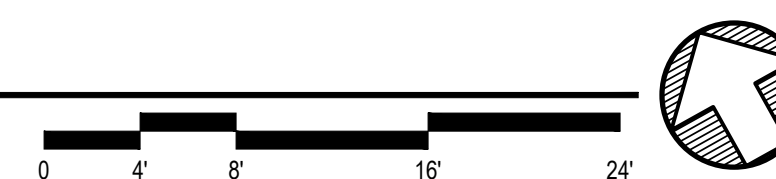
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Checked DRM	Job No. 23076.01

Sheet Contents  
 LEVEL 2 PLAN - POWER

Sheet No.  
**E302**



**1 LEVEL 2 PLAN - POWER**  
 E302 SCALE: 1/8" = 1'-0"



**GENERAL NOTES**

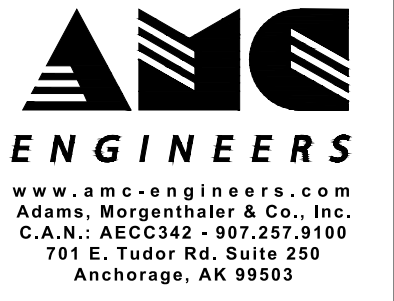
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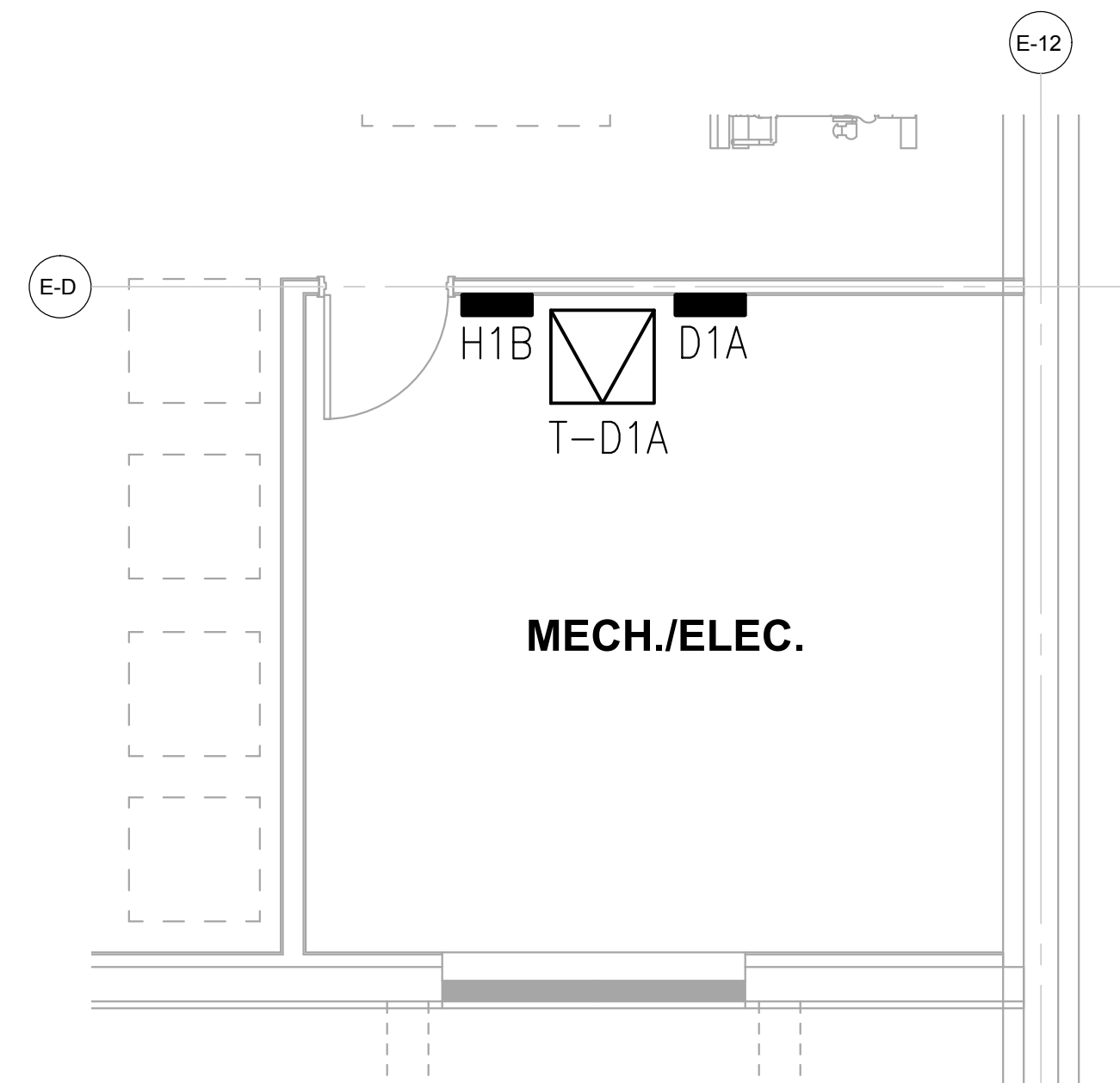
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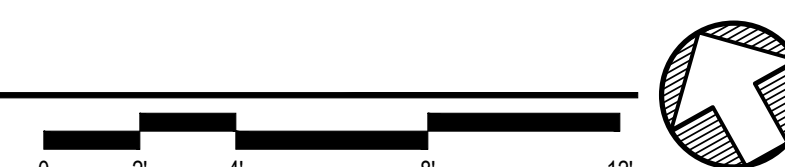
ENLARGED PLANS

Sheet No.

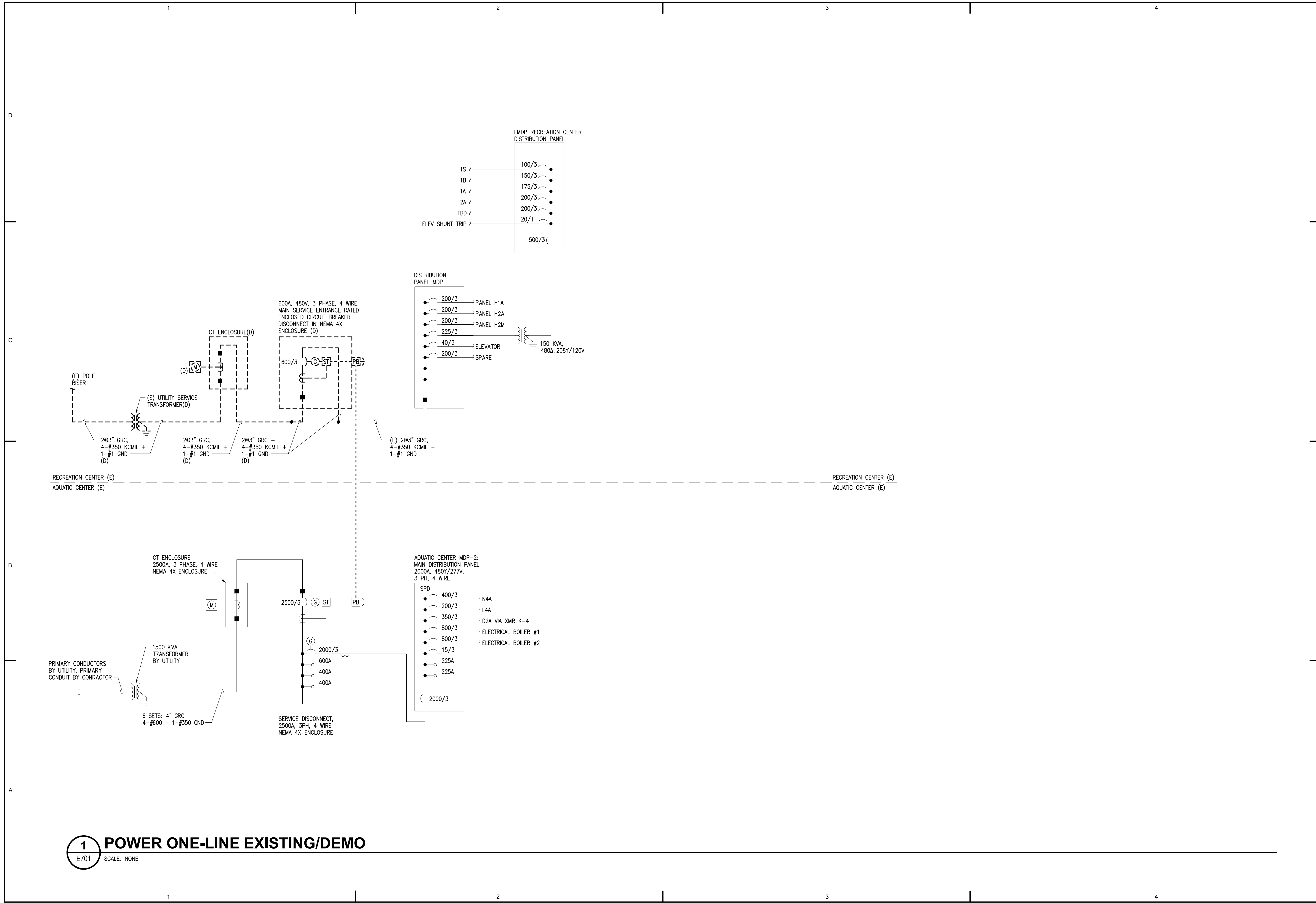
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**1 ENLARGED PLAN - MECH. ROOM**  
E501 SCALE: 1/4" = 1'-0"



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**1 POWER ONE-LINE EXISTING/DEMO**

E701 SCALE: NONE

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Sheet Contents  
 POWER ONE-LINE DIAGRAM -  
 EXISTING & DEMO

Sheet No.  
**E701**



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Sheet Contents  
POWER ONE-LINE REVISED

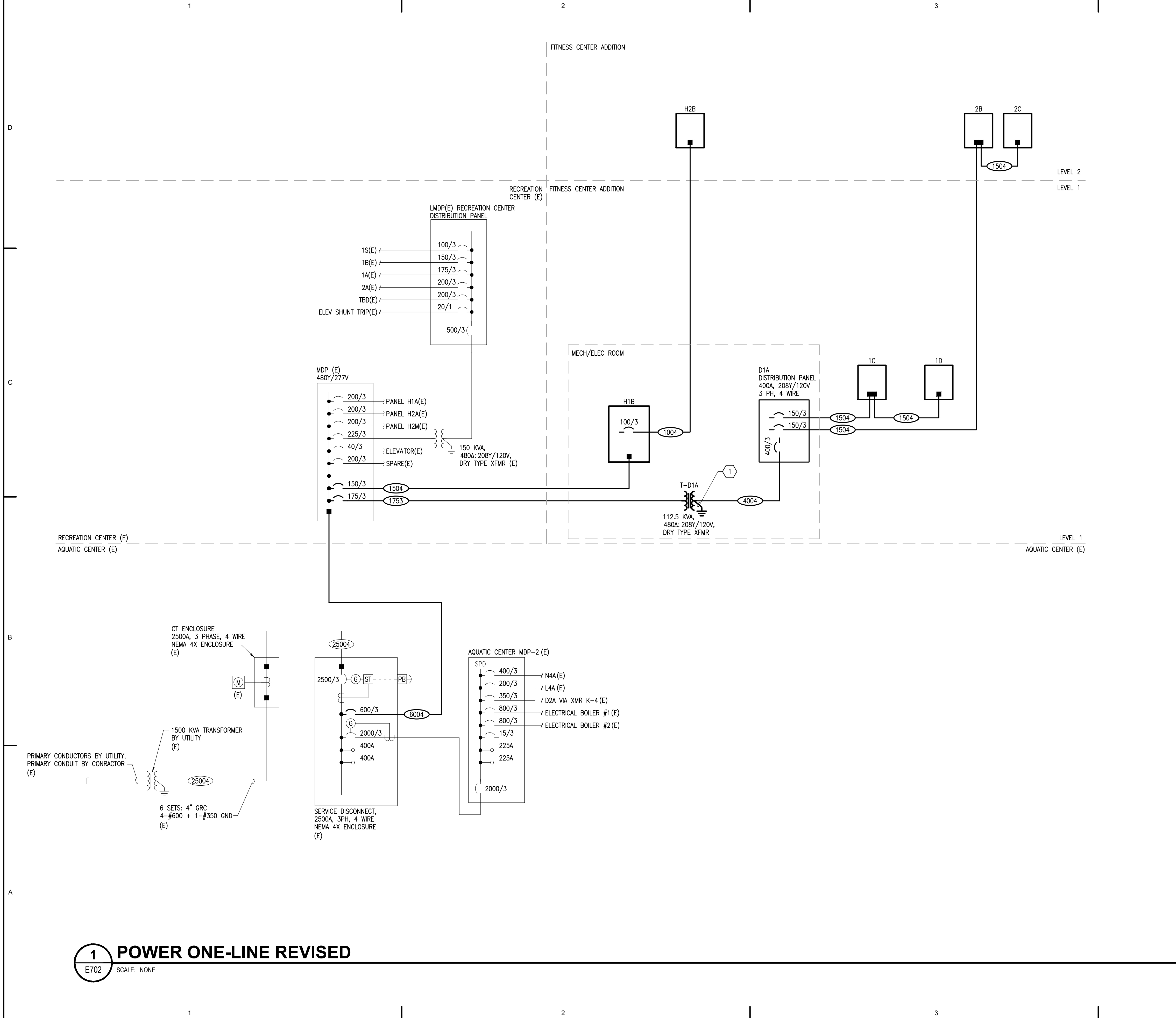
Sheet No.  
**E702**

SHEET NOTES

- 1) GROUND TRANSFORMER AS SEPARATELY DERIVED SYSTEM IAW NEC.

FEEDER SCHEDULES

- 1004 1-1/2" C., 4-#1 + 1-#8 GND
- 1504 1-1/2" C., 4-#1/0 + 1-#6 GND
- 1753 1-1/2" C., 3-#2/0 + 1-#6 GND
- 4004 4" C., 4-#600 KCML + 1-#1 GND
- 6004 2 SETS: 3" GR., 4-#350 KCML + 1-#1 GND



**1 POWER ONE-LINE REVISED**  
E702 SCALE: NONE

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