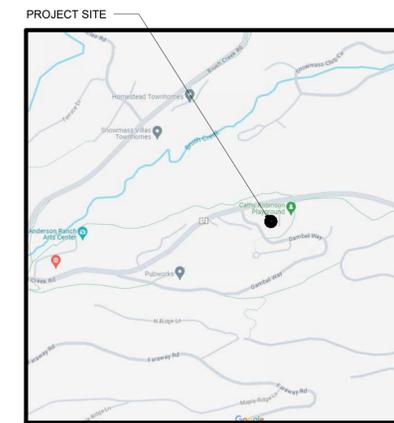




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G000

DESIGN DEVELOPMENT FOR:

LITTLE RED SCHOOL HOUSE ECE

ARCHITECTURAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	GALV	GLAVANIZED
AP	ACCESS PANEL	GLU LAM	GLUE LAMINATED WOOD
ACOUST	ACOUSTICAL	GB	GRAB BAR
ACP	ACOUSTICAL CEILING PANEL	GR	GRADE
ACT	ACOUSTICAL CEILING TILE	GYP	GYP SUM
ADJ	ADJACENT	GWB	GYP SUM WALLBOARD
A.C.	AIR CONDITIONING	HCAP	HANDICAP(PED)
AHU	AIR HANDLING UNIT	HDWR	HARDWARE
ALT	ALTERNATE	HDR	HEADER
ALUM	ALUMINUM	HTR	HEATER
D AWI	AMERICAN WOODWORKING INSTITUTE	HVAC	HEATING, VENTILATION AND AIR CONDITIONING
ADA	AMERICANS WITH DISABILITIES ACT	HT	HEIGHT
&	AND	HP	HIGH POINT
<	ANGLE	HM	HOLLOW METAL
ANOD	ANODIZED	HORIZ	HORIZONTAL
APP	APPROXIMATE	HR	HOUR
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS	IIC	IMPACT ISOLATION CLASS
ARCH	ARCHITECTURAL	IIC	IMPACT ISOLATION COEFFICIENT
AD	AREA DRAIN	INCH	INCHES
ASPH	ASPHALT	INFO	INFORMATION
@	AT	ID	INSIDE DIAMETER
AUTO	AUTOMATIC	INSUL	INSULATION or INSULATED
BSMT	BASEMENT	INT	INTERIOR
BM	BEAM	IBC	INTERNATIONAL BUILDING CODE
BRG	BEARING	IECC	INTERNATIONAL ENERGY CONSERVATION CODE
BTWN	BETWEEN	JAN	JANITOR
BIT	BITUMINOUS	JT	JOINT
BLKG	BLOCKING	JST	JOIST
BD	BOARD	KIT	KITCHEN
B.O.	BOTTOM OF	LAM	LAMINATE
BRK	BRICK	LAV	LAVATORY
BLDG	BUILDING	LF	LINEAR FEET
x	BY	LLH	LONG LEG HORIZONTAL
CAB	CABINET	LLV	LONG LEG VERTICAL
CATV	CABLE TELEVISION	LP	LOW POINT
CT	CARPET	MH	MANHOLE
CIP	CAST IN PLACE	MFR	MANUFACTURER
CLG	CEILING	MO	MASONRY OPENING
CB	CEMENT BOARD	MAT	MATERIAL
CBB	CEMENTIOUS BACKER BOARD	MAX	MAXIMUM
C	CENTERLINE	MECH	MECHANICAL
CL	CERAMIC TILE	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
CO	CHANGE ORDER	MDF	MEDIUM DENSITY FIBERBOARD
CHNL	CHANNEL	MTG	MEETING
CLR	CLEAR	MTL	METAL
CCTV	CLOSED CIRCUIT TELEVISION	MEZZ	MEZZANINE
COL	COLUMN	MIN	MINIMUM
CONC	CONCRETE	MIRR	MIRROR
CMU	CONCRETE MASONRY UNIT	MISC	MISCELLANEOUS
CONST	CONSTRUCTION	MTD	MOUNT(ED)
CCD	CONSTRUCTION CHANGE DIRECTIVE	MULL	MULLION
CSI	CONSTRUCTION SPECIFICATION	(N)	NEW
CONT	CONTINUOUS	NOM	NOMINAL
CJ	CONTROL JOINT	NON-COM	NON-COMBUSTIBLE
CORR	CORRIDOR	N	NORTH
DEMO	DEMOLITION	NA	NOT APPLICABLE
DEPT	DEPARTMENT	NIC	NOT IN CONTRACT
DTL	DETAIL	NTS	NOT TO SCALE
DIA	DIAMETER	NO	NUMBER
DIM	DIMENSION	#	NUMBER
DW	DISHWASHER	OFF	OFFICE
DBL	DOUBLE	O/C	ON CENTER
DN	DOWN	OPNG	OPENING
DS	DOWNSPOUT	OPP	OPPOSITE
DWG	DRAWING	OSB	ORIENTED STRAND BOARD
DF	DRINKING FOUNTAIN	OA	OUTSIDE AIR
D	DRYER	OD	OUTSIDE DIAMETER
EA	EACH	ORD	OVERFLOW ROOF DRAIN
EWC	ELECTRIC WATER COOLER	OVH	OVERHEAD
ELEC	ELECTRIC(AL)	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
ELEV	ELEVATION	OFOW	OWNER FURNISHED, OWNER INSTALLED
B ENCL	ENCLOSURE	PT	PAINT
ENGR	ENGINEERED	PTD	PAINTED
EQ	EQUAL	PR	PAIR
EQUIP	EQUIPMENT	PTR	PAPER TOWEL RECEPTACLE
EQUIV	EQUIVALENT	PRHT	PARTIAL HEIGHT
EXH	EXHAUST	PTN	PARTITION
EF	EXHAUST FAN	PLAM	PLASTIC LAMINATE
(E)	EXISTING	PLBG	PLUMBING
EJ	EXPANSION JOINT	+/-	PLUS OR MINUS
EXP	EXPOSED	PLWD	PLYWOOD
EXT	EXTERIOR	PVC	POLYVINYL CHLORIDE
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM	PTS	POST TENSIONED SLAB
FO	FACE OF	PTSOG	POST TENSIONED SLAB ON GRADE
F.O.S.	FACE OF STUD	LB	POUND
FCU	FAN COIL UNIT	PSF	POUNDS PER SQUARE FOOT
FT	FEET	PSI	POUNDS PER SQUARE INCH
.	FEET	PC	PRECAST CONCRETE
FRP	FIBERGLASS REINFORCED PANEL	PREFAB	PREFABRICATED
FLD	FIELD	PROJ	PROJECT
FF	FINISH FLOOR	PL	PROPERTY LINE
FG	FINISHED GRADE	(Q)	QUANTITY
FACP	FIRE ALARM CONTROL PANEL	QT	QUARRY TILE
FE	FIRE EXTINGUISHER	REC	RECESS(ED)
FEC	FIRE EXTINGUISHER CABINET	RE	REFER TO or REFERENCE
FHC	FIRE HOSE CABINET	RCP	REFLECTED CEILING PLAN
FH	FIRE HYDRANT	REFR	REFRIGERATOR or REFRIGERATED
TYPE 'X'	FIRE RATED GYP SUM BOARD	REINF	REINFORCED
FR	FIRE RESISTIVE	REQD	REQUIRED
FRT	FIRE RETARDANT TREATED	RESIL	RESILIENT
FSD	FIRE SEPARATION DISTANCE	RR	RESTROOM
FIXT	FIXTURE	REV	REVISE, REVISED or REVISION
FLR	FLOOR	R	RISER
FD	FLOOR DRAIN	R.O.W.	RIGHT OF WAY
FTG	FOOTING	R	RISER
FDN	FOUNDATION	RD	ROOF DRAIN
FBO	FURNISHED BY OWNER	RTU	ROOF TOP UNIT
FF&E	FURNITURE, FIXTURES AND EQUIPMENT	RFG	ROOFING
FUT	FUTURE	RM	ROOM
GAL	GALLON	RO	ROUGH OPENING
GA	GAUGE	RB	RUBBER BASE
GC	GENERAL CONTRACTOR	SCHED	SCHEDULE
G.C.	GENERAL CONTRACTOR	SECT	SECTION
GL	GLASS	SHTG	SHEATHING
		SHT	SHEET

REFER TO CONSTRUCTION SPECIFICATION INSTITUTE, UNIFORM DRAWING SYSTEM AND TO PROJECT SPECIFICATIONS FOR REFERENCE STANDARDS & ADDITIONAL ABBREVIATIONS

C	CENTER LINE
∠	ANGLE
∅	CHANNEL DIAMETER
R	PLATE
@	AT
X	BY
&	AND
#	POUND OR NUMBER
+/-	PLUS OR MINUS
'	FEET
"	INCHES
()	QUANTITY

MATERIALS LEGEND

	EARTH/ COMPACT FILL		CONTINUOUS WOOD BLOCKING
	GRAVEL/ POROUS FILL		NON CONTINUOUS WOOD BLOCKING
	CONCRETE (PRECAST OR CAST IN PLACE)		WOOD FINISH
	MORTAR/PLASTER/GROUT		RIGID INSULATION
	STUCCO (PRECAST OR STICK BUILD)		ALUMINUM
	STEEL		BATT/LOOSE FILL INSULATION

SYMBOLS LEGEND

	ELEVATION DATUM
	SPOT ELEVATION TAG
	ROOM DESIGNATION
	WALL TYPE TAG
	DOOR TAG
	WINDOW TAG
	FLOOR MATERIAL TRANSITION TAG
	REVISION TAG
	LEVEL CHANGE TAG
	KEYNOTE TAG
	BUILDING SECTION REFERENCE
	WALL SECTION REFERENCE
	DETAIL SECTION REFERENCE
	ELEVATION REFERENCE
	INTERIOR ELEVATION REFERENCE
	ENLARGED FLOOR PLAN REFERENCE/ DETAIL CALLOUT
	NORTH DIRECTION MARK
	HANDICAPPED SYMBOL

GENERAL NOTES

- THESE GENERAL NOTES APPLY TO ARCHITECTURAL DRAWINGS.
- REFER TO FLOOR PLANS FOR INTERIOR ELEVATION CALLOUTS, ENLARGED PLAN CALLOUTS AND FLOOR PATTERNS.
- REFER TO SHEET (A-540) FOR PARTITION TYPE INFORMATION
- REFER TO INTERIOR ELEVATIONS FOR MARKER/TACK/SMART BOARD SIZES AND LOCATIONS.
- PROVIDE BLOCKING AT ALL WALL-MOUNTED ACCESSORIES (GRAB BARS, ETC), HARDWARE WHERE REQUIRED AND WALL-HUNG CABINETS.
- VERIFY & COORDINATE ALL REQUIREMENTS FOR OWNER FURNISHED ITEMS PRIOR TO PERFORMANCE OF WORK THAT MAY INTERFACE WITH SUCH ITEMS.
- PROVIDE PAINTED ACCESS PANELS IN WALLS & CEILINGS AT CONCEALED ITEMS, SUCH AS VALVES, CONTROLS, SWITCHES OR ANY OTHER ITEMS THAT REQUIRES ACCESS. GC TO DETERMINE ACCESS PANEL LOCATION W/ ARCHITECT PRIOR TO INSTALLATION.
- WORK SHOWN ON THE DRAWINGS SHALL BE BASE BID UNLESS SPECIFICALLY NOTED TO BE BY ALTERNATE BID.
- DIMENSIONS TO NEW CONSTRUCTION ARE TO FACE OF STRUCTURE UNLESS NOTED OTHERWISE. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK AND NOTIFY ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS.
- DO NOT SCALE DRAWINGS. REFER DIMENSION QUESTIONS TO ARCHITECT FOR INTERPRETATION.
- DOOR AND FRAME NUMBERS CORRESPOND TO RESPECTIVE ROOM NUMBERS. IN ROOMS WITH MULTIPLE OPENINGS, A SUFFIX HAS BEEN ADDED TO DOOR NUMBERS, I.E., A101-B.
- LOCATE INSIDE FACE OF DOOR FRAME JAMBS 4 INCHES FROM FINISH FACE OF ADJACENT WALLS UNLESS NOTED OTHERWISE.
- COORDINATE EQUIPMENT WORK WITH MANUFACTURERS AND SUPPLIERS TO INSURE PROPER ROUGH-IN CLEARANCES FOR INSTALLATION, USE AND MAINTENANCE.
- PROVIDE CONTROL JOINTS (C.J.) BETWEEN INTERIOR LOAD BEARING AND NON-LOAD BEARING PARTITIONS, AT ALL ABRUPT CHANGES IN WALL HEIGHT, AT CHANGES IN PARTITION THICKNESS, AT ALL PILASTER LOCATIONS, AND WHERE INDICATED ON THE DRAWINGS. VERIFY FINAL CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
- PROVIDE CONTROL JOINTS (C.J.) IN GYP SUM BOARD WALL CONSTRUCTION AS INDICATED. WHERE NOT SHOWN, PROVIDE MAXIMUM SPACING BETWEEN JOINTS OF 30'-0". VERIFY FINAL CONTROL JOINT LOCATIONS WHETHER OR NOT INDICATED ON THE DRAWINGS WITH ARCHITECT PRIOR TO STARTING WORK.
- WOOD OR METAL STUD SPACING SHALL BE 16" ON CENTER UNLESS NOTED OTHERWISE.
- PROVIDE WATER-RESISTANT GYP SUM BOARD ON WALLS WITH OPERABLE PLUMBING FIXTURES AND WITHIN 4'-0" OF DRINKING FOUNTAINS OR WATER COOLERS.
- PROVIDE FINISHED END PANELS, FILLERS, SUPPORTS, ETC. REQUIRED FOR A COMPLETE CABINETS INSTALLATION. PROVIDE CUTOUTS, ACCESS PANELS AND REMOVABLE COMPONENTS AS REQUIRED BY NEW OR EXISTING CONDITIONS SUCH AS ELECTRICAL OUTLETS, JUNCTION BOXES, CLEANOUTS, ETC. MOUNT TOP OF WALL CABINETS AT +7'-2" A.F.F. UNLESS OTHERWISE INDICATED.
- VERIFY MOUNTING HEIGHTS OF ACCESSORIES, EQUIPMENT, DOOR HARDWARE, CASEWORK, ETC., AND PROVIDE SOLID BLOCKING BEHIND ITEMS REQUIRING ANCHORAGE. PROVIDE FIRE TREATED WOOD BLOCKING OR METAL STRAPS BETWEEN FRAMING MEMBERS AS REQUIRED TO SUPPORT WEIGHT AND USE OF ITEMS TO BE SUPPORTED. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT ITEMS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS, COORDINATE LOCATIONS WITH MANUFACTURER OR SUPPLIER AND REFER MOUNTING HEIGHT QUESTIONS TO ARCHITECT FOR INTERPRETATION.
- PROVIDE SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION UNLESS OTHERWISE INDICATED.
- PROVIDE SEALANT BETWEEN DISSIMILAR MATERIALS SUCH AS GYP SUM BOARD AND MASONRY, MASONRY AND CONCRETE, COUNTERTOPS AND WALLS, ETC.
- REPAIR AND PATCH SPRAYED FIRE-RESISTIVE AND FIRESTOP MATERIALS WHERE DAMAGED DUE TO INSTALLATION OF NEW MATERIALS TO RESTORE SPECIFIED FIRE RATING.
- SEAL ALL GAPS AT ALL FLOOR PENETRATIONS WITH DIVISION 7 FIRE STOPPING MATERIAL TO MATCH RATING OF EXISTING FLOOR CONSTRUCTION.
- DO NOT BEGIN WORK THAT MAY REQUIRE COORDINATION, SUCH AS CEILING INSTALLATION, PRIOR TO FINAL SUBMITTAL OF MECHANICAL AND ELECTRICAL COORDINATION DRAWINGS TO ARCHITECT NOR PRIOR TO RESOLUTION AND APPROVAL OF COORDINATION ISSUES.
- REFER TO LIFE SAFETY PLAN DRAWINGS AND CODE SUMMARY FOR FIRE-RATED FLOOR, WALL, CEILING AND ROOF LOCATIONS. INSTALL FIRESTOPPING AT PENETRATIONS IN RATED CONSTRUCTION AND AT TOPS OF RATED WALLS.
- PAINT WALL EFFECTED BY CONSTRUCTION ACTIVITY AND/OR DEMOLITION IN THEIR ENTIRETY.
- PROVIDE FLOORING TRANSITION STRIPS @ ALL FLOORING TRANSITIONS
- FLOORING MATERIALS TO MEET @ CENTER OF DOORWAY. ALL FLOORING MATERIALS AND FINISHES TO CONTINUE UNDER CASEWORK AT TOE KICK OR UNDER COUNTER TO WALL.
- VERIFY ALL STRUCTURAL CONDITIONS INCLUDING CONCRETE JOIST PRIOR TO CORNING AND DEMOLITION. DO NOT CORE ANY JOISTS OR REBAR.

SHEET LIST

GENERAL	
G000	COVER
G001	GENERAL INFORMATION AND SHEET INDEX
G002	TYPICAL MOUNTING HEIGHTS
G100	SITE CODE PLAN
G110	CODE PLAN
G111	ENERGY CONSERVATION PLAN
CIVIL	
C000	SITE PLAN
LANDSCAPE	
L1	SITE PLAN
ARCHITECTURAL	
A100	ARCHITECTURAL SITE PLAN
A111	FLOOR PLAN
A113	ENLARGED PLANS & ELEVATIONS
A114	ENLARGED PLANS & ELEVATIONS
A115	ENLARGED PLANS & ELEVATIONS
A116	ENLARGED PLANS & ELEVATIONS
A122	RCP - FIRST FLOOR
A130	ROOF PLAN
A140	FINISH SCHEDULES
A141	EXTERIOR FINISH SCHEDULE
A142	FINISH PLAN - FIRST FLOOR
A150	FURNITURE AND COT PLAN
A200	OVERALL EXTERIOR ELEVATIONS
A201	OVERALL EXTERIOR ELEVATIONS
A210	EXTERIOR ELEVATIONS
A211	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS
A303	BUILDING SECTIONS
A310	WALL SECTIONS
A311	WALL SECTIONS
A312	WALL SECTIONS
A420	INTERIOR ELEVATIONS
A520	CASEWORK & MILLWORK DETAILS
A521	CASEWORK & MILLWORK DETAILS
A530	DOOR SCHEDULE AND TYPES
A540	PARTITION TYPES
A600	WINDOW ELEVATIONS AND DETAILS
STRUCTURAL	
S001	GENERAL NOTES
S111	FOUNDATION PLAN
S121	ROOF FRAMING PLAN
MECHANICAL	
M0.0	MECHANICAL COVER SHEET
M1.1	GROUND LEVEL HVAC PLAN
M1.2	ROOF HVAC PLAN
M3.1	HVAC SECTIONS
M5.1	HVAC DETAILS
M7.1	HVAC SCHEDULES
PLUMBING	
P0.0	PLUMBING COVER SHEET
FP1.0	FIRE PROTECTION PLAN - A
P1.1	GROUND LEVEL PLUMBING PLAN
P1.2	ROOF PLUMBING PLAN
P3.1	ENLARGED SCALE PLUMBING PLANS
P6.1	PLUMBING DETAILS
P7.1	PLUMBING SCHEDULES
ELECTRICAL	
E000	ELECTRICAL LEGEND AND NOTES
E111	FIRST FLOOR POWER PLAN
E121	FIRST FLOOR LIGHTING PLAN
E500	ELECTRICAL ONE LINE DIAGRAM
E600	ELECTRICAL SCHEDULES

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07/11/2024

ISSUED FOR:
50% DESIGN DEVELOPMENT

REVISIONS

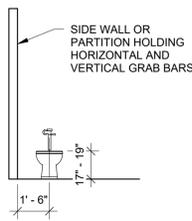
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SHEET TITLE
GENERAL INFORMATION AND SHEET INDEX

SHEET NO.
G001

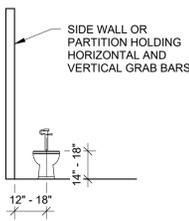
TYPICAL MOUNTING HEIGHTS (UNLESS NOTED OTHERWISE IN PLANS, ELEVATIONS OR DETAILS)

WATER CLOSET ADULT



RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

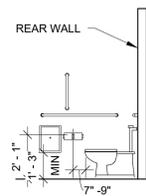
WATER CLOSET CHILD



RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

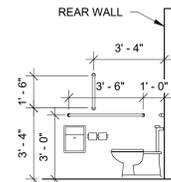
TOILET PAPER DISPENSER OFCI

SANITARY NAPKIN DISPOSAL



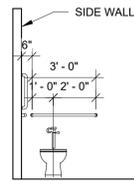
SURFACE MOUNT TOILET TISSUE DISPENSER MOUNT 7" MIN. TO 9" MAX IN FRONT OF WC MEASURED TO THE CENTER LINE OF THE DISPENSER.

42" HORIZONTAL GRAB BAR 18" VERTICAL GRAB BAR



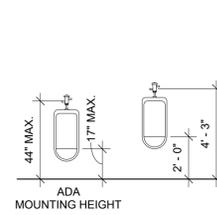
SIDE WALL: 42" MIN. LENGTH, MOUNT 12" MAX. FROM REAR WALL.
18" MIN. VERTICAL BAR: MOUNT 40" FROM REAR WALL AND 40" (FROM BOTTOM OF BAR) A.F.F.

36" HORIZONTAL GRAB BAR



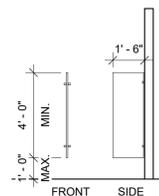
REAR WALL: 36" MIN. LENGTH, EXTEND FROM CENTER LINE OF WC 12" MIN. ON SIDE CLOSEST TO WALL & 24" MIN. ON TRANSFER SIDE.

URINAL

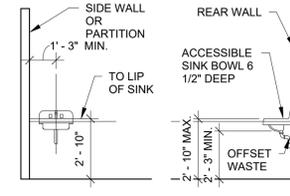


RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

URINAL SCREEN

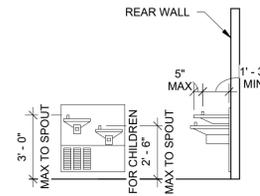


LAVATORY



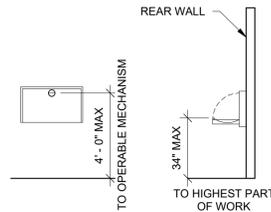
HOT WATER PIPE AND DRAIN MUST BE INSULATED.

DRINKING FOUNTAIN



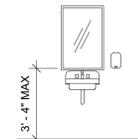
RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

BABY CHANGING STATION



SURFACE MOUNTED

MIRROR



24" X 36" MIRROR. MIRRORS NOT LOCATED ABOVE LAVS OR COUNTERTOPS SHOULD BE INSTALLED WITH BOTTOM BASE OF REFLECTING SURFACE AT 35" A.F.F.

ELECTRIC HAND DRYER



MOUNT 38" TO OPERATING MECHANISM FOR FRONT APPROACH.

PAPER TOWEL DISPENSER OFCI



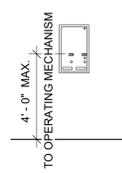
MOUNT 48" TO OPERATING MECHANISM FOR FRONT APPROACH.

LIQUID SOAP DISPENSER OFCI



MOUNT 44" MAX TO OPERATING MECHANISM FOR FRONT APPROACH.

SANITARY NAPKIN DISPENSER



MOUNT 48" TO OPERATING MECHANISM FOR FRONT APPROACH.

RESTROOM ACCESSORY SCHEDULE				
Mark	Description	Manufacturer	Model	Comments

NOT FOR CONSTRUCTION

**Snowmass Little Red Schoolhouse
ECE**
 4598 Owl Creek Rd, Snowmass Village, CO 81615
 Town of Snowmass Village

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 PROJECT NUMBER: 2023-07
 DATE: 07/12/2024
 ISSUED FOR: 50% DESIGN DEVELOPMENT

REVISIONS:
 QAC APPROVAL: TAM
 DRAWN BY: ECM
 CHECKED BY: AFA
 SHEET TITLE: TYPICAL MOUNTING HEIGHTS
 SHEET NO: G002

**Snowmass Little Red Schoolhouse
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Town of Snowmass Village

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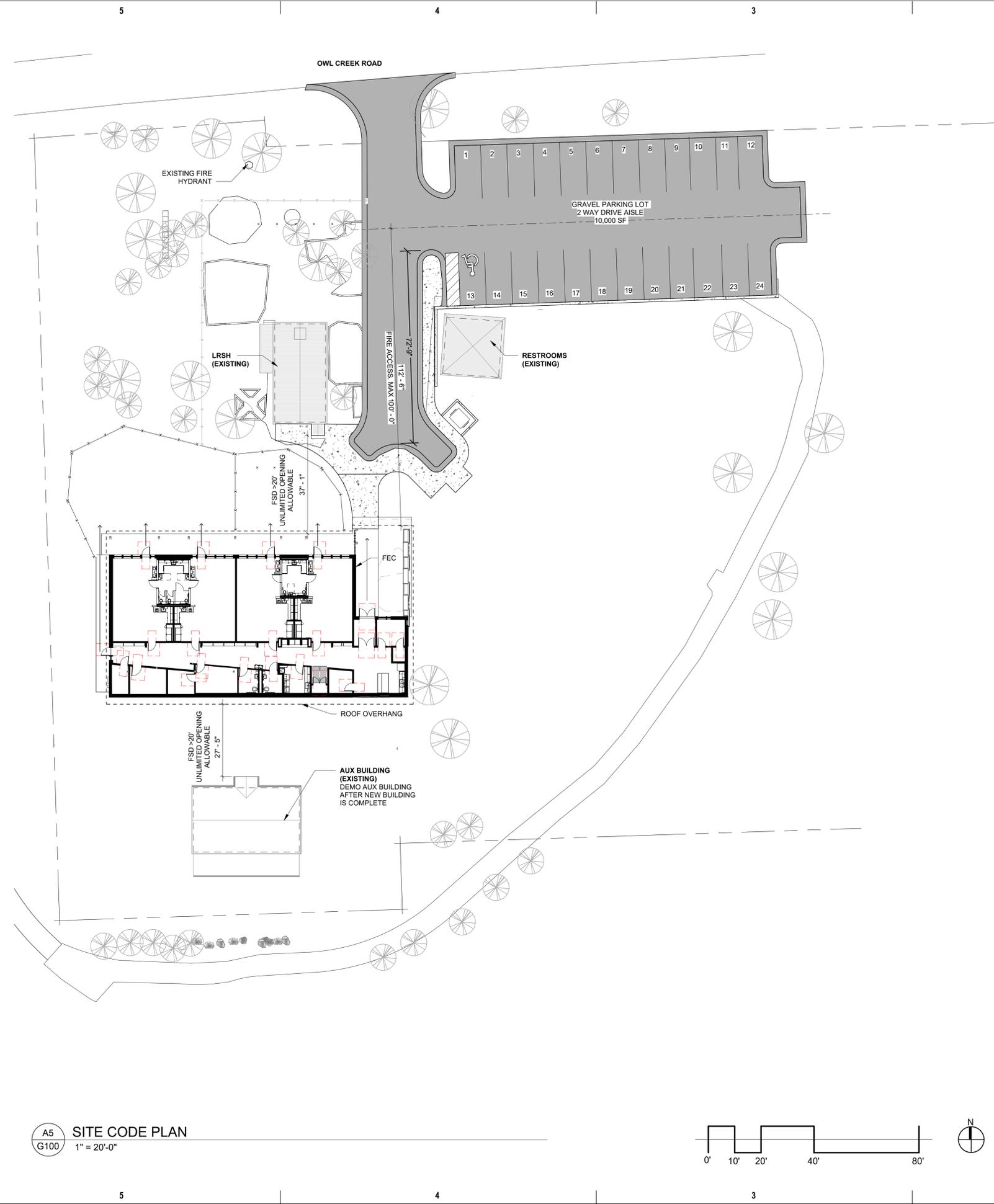
PROJECT NUMBER
2023-07
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50% DESIGN DEVELOPMENT

REVISIONS

QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
SITE CODE PLAN

SHEET NO.
G100



CODE SUMMARY

The project will consist of one new structure; a new 1 story early childhood education (ECE) facility for ages 6 months through 5 years. The building construction will be Type VB for the ECE facility. It will be fully equipped with an automatic sprinkler system. All classrooms in the ECE facility will have a minimum of one (1) means of egress directly outside at ground level.

- GOVERNING CODES:**
- 2015 International Building Code
 - 2015 International Energy Conservation Code
 - 2015 International Fire Code
 - 2015 International Fuel Gas Code
 - 2015 International Mechanical Code
 - 2015 International Plumbing Code
 - 2012 International Green Construction Code
 - 2014 National Electrical Code
 - 2017 ICC A117.1

BUILDING AREA & TYPE

	BLDG A
CONSTRUCTION TYPE:	VB
OCCUPANCY:	E (IBC 308.6.1)
FIRE PROTECTION:	FULLY SPRINKLED
SMOKE DETECTION:	YES
FIRE ALARM:	YES
ALLOWABLE BLDG HEIGHT:	60', 2 STORIES
ACTUAL BUILDING HEIGHT:	24' - 6", 1 STORIES
ALLOWABLE BLDG AREA:	38,000 SF (no frontage area factor increase applied)
ACTUAL BLDG AREA	
IBC 2015 TOTAL BUILDING AREA:	5,650 GSF (COMPLIES)
TOSV CODE FLOOR AREA:	5,608 GSF (PUB SPECIAL REVIEW)

BUILDING ELEMENTS

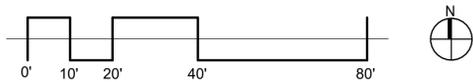
STRUCTURAL FRAME	0 HOUR
BEARING WALLS - EXTERIOR	0 HOUR
BEARING WALLS - INTERIOR	0 HOUR
NON-BEARING WALLS & PARTITIONS - EXT.	PER TABLE 602
NON-BEARING WALLS & PARTITIONS - INT.	0 HOUR
ROOF/CEILING	0 HOUR
FLOOR/CEILING	0 HOUR
SEPARATION WALLS	N/A
CORRIDOR WALLS	0 HOUR

PARKING

- In Summary:
- Staff Parking = 10
 - 8 classroom teachers
 - 2 admin staff
 - Bus/Van Parking = 1
 - Drop-off/Pick-up = 12
 - ADA Parking = 1 space

TOTAL = 24 Spaces

A5 SITE CODE PLAN
G100 1" = 20'-0"



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CHECKED BY: AFA

SHEET TITLE
CODE PLAN

SHEET NO.
G110

5 4 3 2 1

D

D

C

C

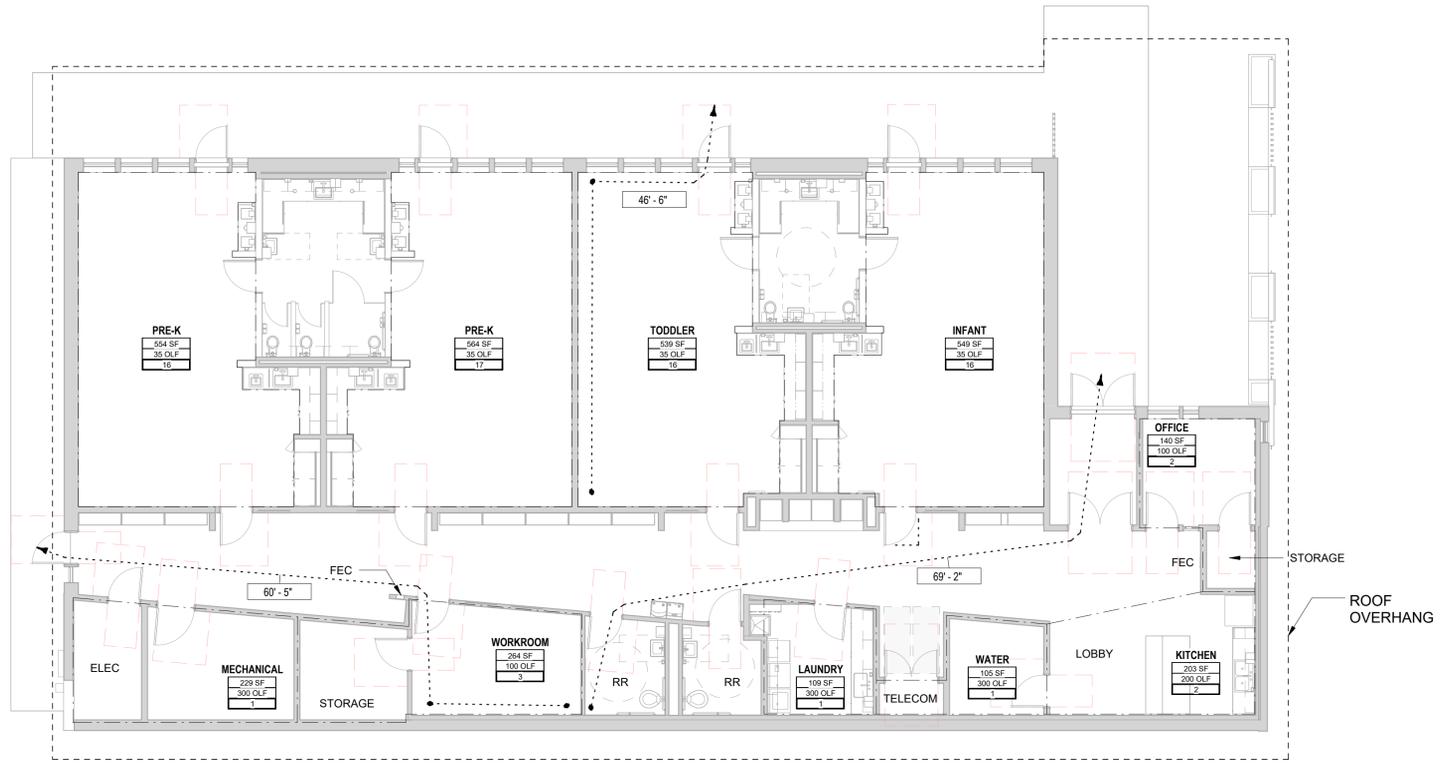
B

B

A

A

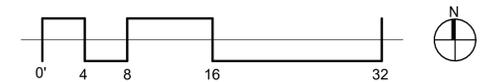
OCCUPANT LOAD						
OCC GROUP	LEVEL	NAME	1004.1.2 CATEGORY	AREA	SF PER OCC	OCC LOAD
E	FIRST FLOOR - NEW	PRE-K	DAYCARE	554 SF	35 SF	16
E	FIRST FLOOR - NEW	PRE-K	DAYCARE	564 SF	35 SF	17
E	FIRST FLOOR - NEW	TODDLER	DAYCARE	539 SF	35 SF	16
E	FIRST FLOOR - NEW	INFANT	DAYCARE	549 SF	35 SF	16
E	FIRST FLOOR - NEW	MECHANICAL	MECHANICAL EQUIP.	229 SF	300 SF	1
E	FIRST FLOOR - NEW	WORKROOM	BUSINESS	264 SF	100 SF	3
E	FIRST FLOOR - NEW	WATER	MECHANICAL EQUIP.	105 SF	300 SF	1
E	FIRST FLOOR - NEW	OFFICE	BUSINESS	140 SF	100 SF	2
E	FIRST FLOOR - NEW	KITCHEN	KITCHEN	203 SF	200 SF	2
E	FIRST FLOOR - NEW	LAUNDRY	ACCESSORY STORAGE	109 SF	300 SF	1
E	FIRST FLOOR - NEW			3256 SF		75



E	EDUCATIONAL				OL: 75			MALE(50%): 37		FEMALE(50%): 38	
	WATER CLOSETS		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	SERVICE SINKS				
URINALS	UNISEX	MALE	FEMALE	UNISEX				MALE	FEMALE		
0.0	0	0.7	0.8	0	0.7	0.8	0.0	0.8			

TOTAL	TOTAL REQUIRED PLUMBING FIXTURES (IBC TABLE 2902.1)							TOTAL OCCUPANCY LOAD: 75			
	WATER CLOSETS		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	SERVICE SINKS				
URINALS	UNISEX	MALE	FEMALE	UNISEX				MALE	FEMALE		
0	0	1	1	0	1	1	0	1			
TOTAL PROVIDED PLUMBING FIXTURES, COMPLIES											
0	0	1	1	0	1	1	0	1			

A4
G110 CODE PLAN - GROUND FLOOR
1/8" = 1'-0"



5 4 3 2 1

NOT FOR CONSTRUCTION

LITTLE RED SCHOOL HOUSE – 50% DD ENERGY ANALYSIS

July 11, 2024
Little Red School House is an approximately 5,400 SF 1-story childcare center located in Snowmass Village, Colorado (ASHRAE Climate Zone 7). The project will comply with 2015 IECC via section C407 – Total Building performance, which requires showing 15% annual energy cost savings above the 2015 IECC Standard reference design.

RECOMMENDATIONS

Strategy	Annual Energy Cost	Annual Energy Cost Savings (15% required for 2015 IECC Compliance)	Site EUI (kBtu/SF)
B 2015 IECC Standard Reference Design	\$8,582	-	55
P 50% DD Proposed	\$6,075	29.2%	40

50% DD PROPOSED DESIGN

The following energy model inputs are based on the 50% DD drawings dated 07/01/2024.
Operating Schedule: The building is assumed to be open year-round M-F from 8AM – 6PM, with reduced occupancy from 6PM – 9 PM (staff).

- Envelope**
- Roof: Metal deck with 12.25" GPS SIPs, R-55 (U-0.018)
 - Exterior Walls: Wood framing with 6.5" GPS SIPs, R-28 (U-0.032)
 - Ground contact walls: CIP mass wall with R-10 XPS (C-0.092)
 - Slab on grade foundation: R-10 XPS for 3" below grade (F-0.51)
 - Fixed Windows/Storefront: Insulated fiberglass frame with double film, triple chamber insulated glass and 4 low-E surfaces. Higher performance spacers and high-performance inert gas fill. (Alpen Zenith, ZR-10 fixed low profile) (Assembly: U-0.11, SHGC-0.19, VT-0.44)
 - Window-to-wall ratio: 32%
 - North: 67%
 - East: 9%
 - South: 7%
 - West: 8%
 - Opaque Doors: U-0.37
 - Infiltration (building tightness, air sealing): 0.4 CFM / SF envelope surface area (2021 IECC compliant building envelope performance)

- Lighting and Interior Loads**
- Interior lighting power: Target a 30% reduction in lighting power density (W/SF) below 2015 IECC prescriptive allowances using the space-by-space method (assumed)

LITTLE RED SCHOOL HOUSE – 50% DD ENERGY ANALYSIS

- 0.87 W/SF in classrooms
- 0.51 W/SF in breakroom
- 0.46 W/SF in corridors
- 0.77 W/SF in office
- 0.44 W/SF in storage
- 0.68 W/SF in restroom
- 0.63 W/SF in lobby
- 0.66 W/SF in mechanical/electrical
- Occupancy sensors in classrooms, storage, restrooms, offices, laundry/custodial
- 1,000 W exterior lighting power (assumed)

HVAC & DHW

- ERV provides ventilation to entire building (100% OA) with flat plate heat exchanger energy recovery:
 - Energy recovery ventilation: 60% effectiveness (assumed)
 - 1,800 CFM
- Horizontal air handling units with split heat pumps provides heating and cooling
 - Ventilation air ducted to each AHU from ERV
 - 17 SEER2 cooling
 - 8.1 HSPF2 heating
 - Minimum heat pump compressor operating temperature of 25 deg F (assumed)
 - EC motors
- Mechanical rooms and vestibules: Electric unit heaters
- Domestic Hot Water: Electric resistance water heater (119 gal) | water fixtures: 1.5 gpm kitchen sink, 0.5 gpm lavs

Utility Rates – Holy Cross Energy, General Services – Small, \$18/month, \$0.095/kWh

ENERGY CONSERVATION NARRATIVE

Energy Conservation is a primary driver for the design of this building.

SITE DESIGN and BUILDING SITTING:

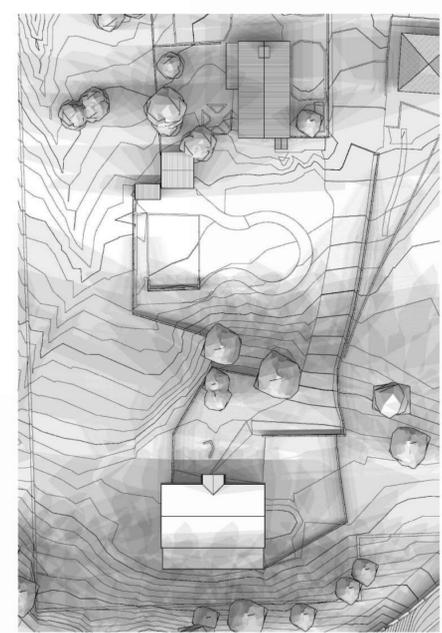
Great care was taken to locate the building within the context of the surrounding buildings so that no impact of shading was placed on other building by the new, nor that the existing buildings provide shading on the new building. Building shadows do not affect any roadways. Playgrounds where set to the north of the building so that the building can provide the required solar shading of a min. of 150sf per playground area.

PASSIVE TECHNIQUES:

The building is set along an east/west axis, maximizing solar exposure. The building is designed with a super insulating envelope of SIP panels (R-60 roof, and R-41 walls) that provide a very tight envelope with limited air infiltration (est. <0.4 CFM/SF), resulting in a modeled EUI of 40 (code is 53). Roof slope has south facing exposure and angled for solar panel exposure (building will be solar ready, see active techniques). Window exposure is primarily north facing to reduce solar heat gain. Clerestory windows are provided for additional daylighting in the classrooms to reduce electrical lighting demand. Windows are fiberglass frame with triple pane gas filled glazing. Operable windows will be provided to each classroom. A significant portion (approx. 50%) of the south building face will be below grade. Landscaping will be mostly native vegetation and porous surfaces.

ACTIVE TECHNIQUES:

The building will be completely electrical, with no gas lines provided. The main mechanical system for the building supplying heating and cooling is an air-to-air heat pump with an energy recovery ventilator, supplemental heating in vestibules or MEP spaces is electrical cabinet unit heaters. All lighting to be LED. Building will be solar ready, with conduits and structural loads anticipated for future solar panels. Heat trace is anticipated along the edges of the north roof to prevent roof shed into occupied areas. Electric snowmelt system is anticipated however extents are unknown at this time. See Energy Analysis for additional information.



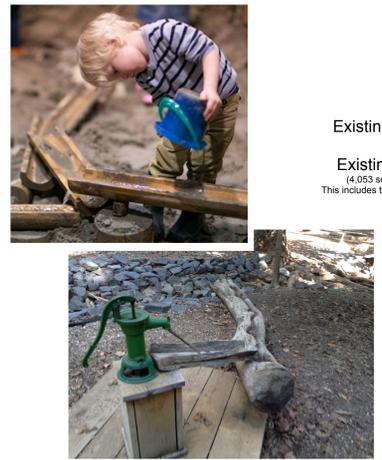
EQUINOX - EXISTING



EQUINOX



SHADE DURATION (HRS)



Snowmass Little Red School House
ECE
8598 Owl Creek Road, Snowmass Village, CO 81615
Town of Snowmass Village

**Snowmass Little Red Schoolhouse
ECE**

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Town of Snowmass Village

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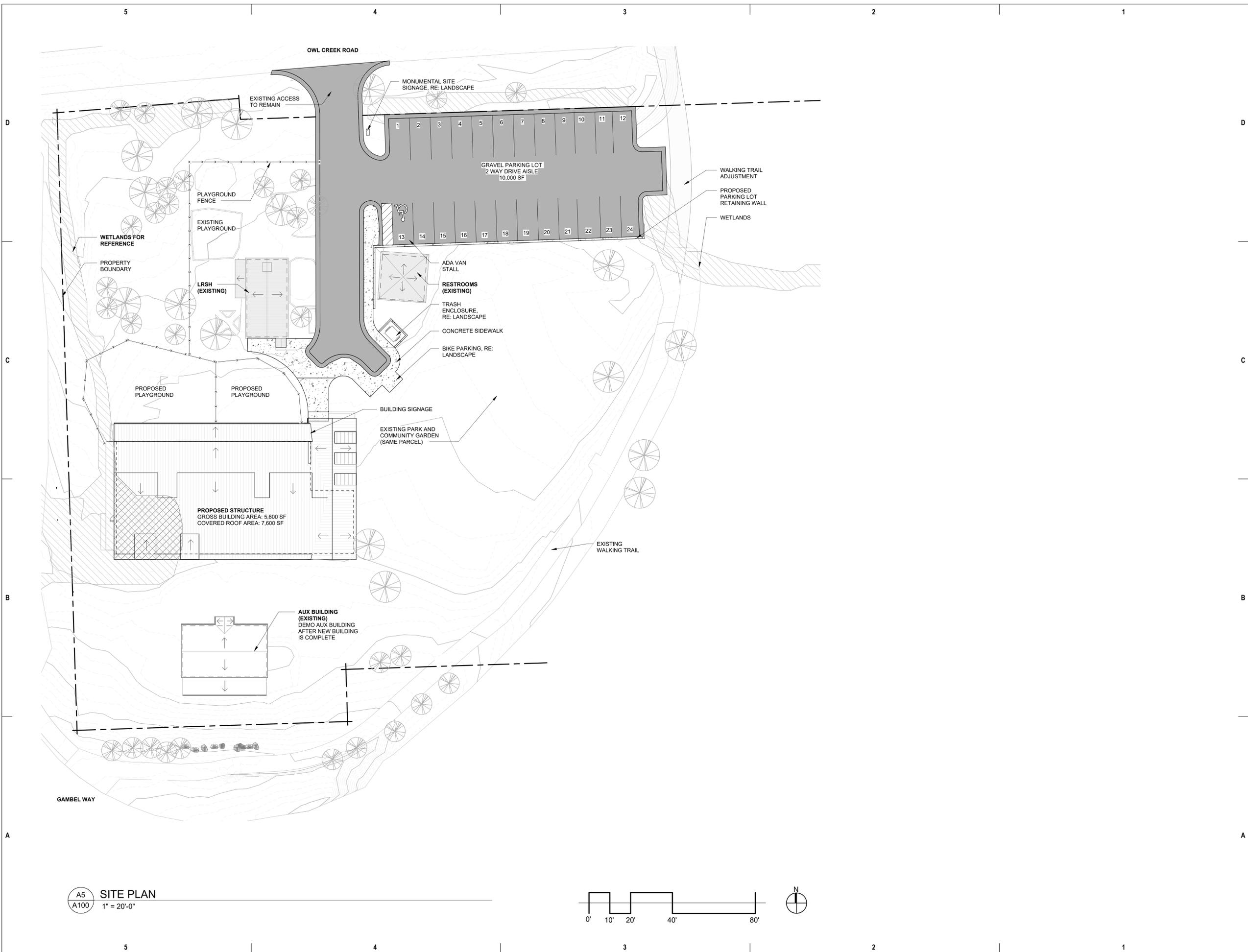
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REVISIONS

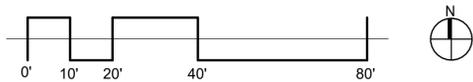
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DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
ARCHITECTURAL SITE PLAN

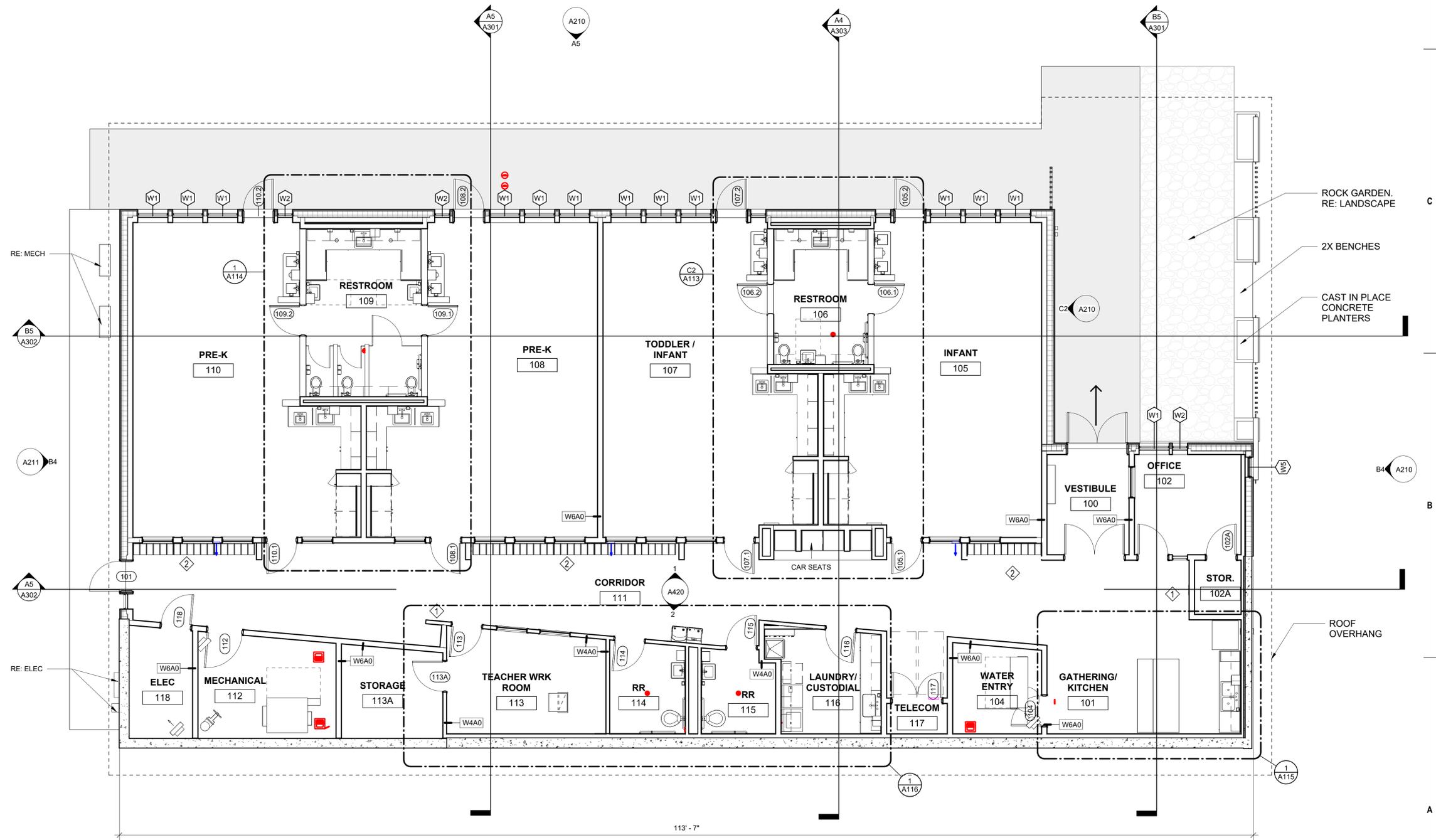
SHEET NO.
A100



A5 SITE PLAN
A100 1" = 20'-0"



PLAN NOTES	
#	NOTE
1	FIRE EXTINGUISHER CABINET, FULLY RECESSED
2	STORAGE CUBBIES



TOTAL: 5,642 GSF

A5 FLOOR PLAN
A111 3/16" = 1'-0"

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DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
FLOOR PLAN

SHEET NO.
A111

NOT FOR CONSTRUCTION

FIXTURE MOUNTING SCHEDULE				
MARK	DESCRIPTION	MOUNTING HEIGHT	MEASURED TO	COMMENTS
TA-1.1	PAPER TOWEL DISPENSER	42" ADULT, CHILD - SEE INT. ELEV.	BOTTOM OF DISPENSER	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-2.6	TOILET PAPER HOLDER - DOUBLE ROLL (N.I.C.)	26" ADULT, CHILD - SEE FOOTNOTES	C.L. SPINDLE	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-3.1	CHILD MIRROR (14" x 14")	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-3.2	ADULT MIRROR (24" x 36")	40"	BOTTOM OF REFLECTIVE SURFACE	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-4.1	SOAP DISPENSER	39" ADULT, CHILD SEE INT. ELEV.	BOTTOM OF DISPENSER	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-5.1	GRAB BAR - ADULT (42" SIDE WALL, 36" BACK WALL, 18" VERTICAL)	34"	CENTER OF BAR	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-5.2	GRAB BAR (42" SIDE WALL, 24" BACK WALL, 18" VERTICAL)	19 1/2" (CHILD)	CENTER OF BAR	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-6.1	GLOVE DISPENSER	40"	B.O. DISPENSER	

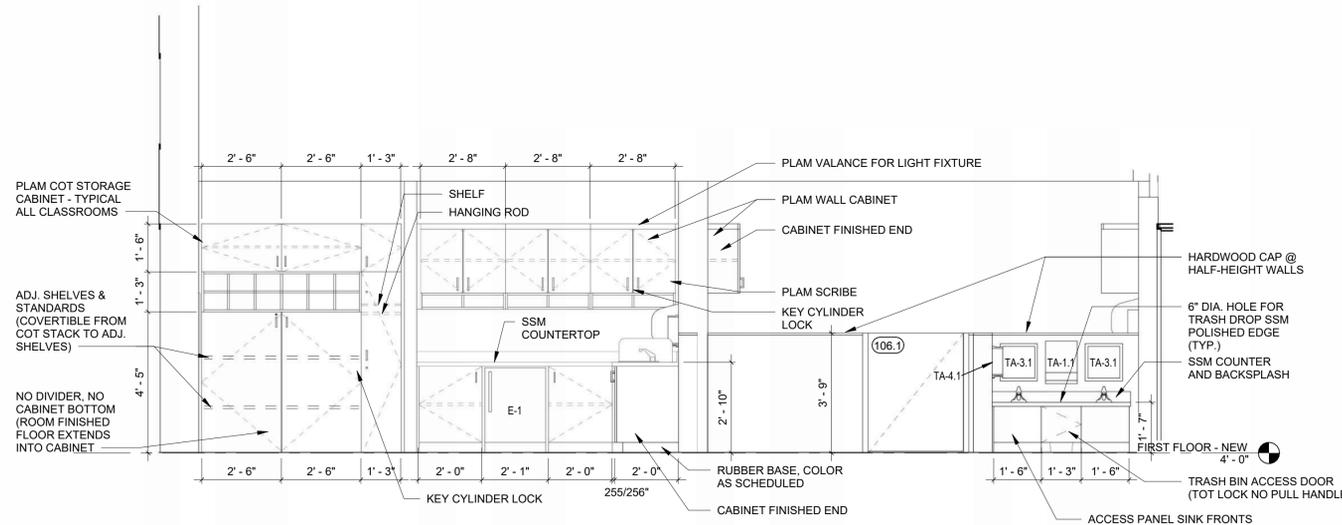
EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	NOTES
E-1	UNDERCOUNTER REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-2	WASHER	OWNER FURNISHED AND INSTALLED
E-3	DRYER	OWNER FURNISHED AND INSTALLED
E-4	DISHWASHER (COMMERCIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-6	DISHWASHER (RESIDENTIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-7.1	MAGNETIC MARKER BOARD (18" X 24")	OWNER FURNISHED, CONTRACTOR INSTALLED
E-8	REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-10	MICROWAVE	OWNER FURNISHED AND INSTALLED

INTERIOR ELEVATION NOTES

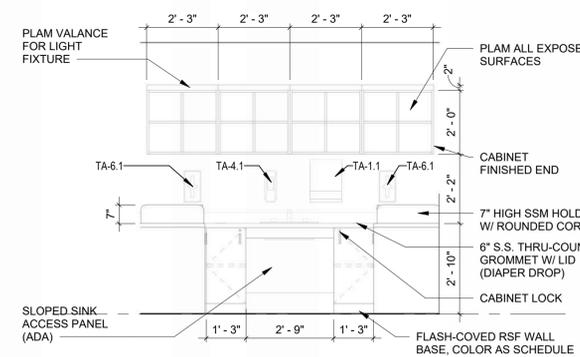
- DIMENSIONS EXPRESSED ON INTERIOR ELEVATIONS ARE FROM FINISH FACE-TO-FINISH FACE OR CENTERLINE UNLESS OTHERWISE NOTED. FLOOR PLAN DIMENSIONS ARE TO FACE-OF-STUD UNLESS OTHERWISE NOTED.
- ALL GYPSUM BOARD WALL CORNERS IN CLASSROOMS TO BE BULLNOSE CORNER BEAD (BCB) PER SPECIFICATIONS SECTION 09200. SEE ALSO NOTES ON CORNERS ON FINISH PLANS, **SHEETS A12.01 & A12.02**.
- ALL COUNTERTOP EXPOSED CORNERS IN CHILDCARE AREAS TO BE ROUNDED.
- PROVIDE MAGNETIC SAFETY LOCKS (TOT LOCK BY SAFETY 1ST) AT ALL LOWER CABINET DOORS AND DRAWERS IN CLASSROOM AND RESTROOM AREAS. SEE ALSO SECTION 064116.
- SEE 'ROOM FINISH SCHEDULE AND MATERIAL LEGEND' **SHEET A11.01 AND A11.02** FOR IDENTIFICATION OF PLASTIC LAMINATE COLORS & MANUFACTURERS AND OTHER FINISHES.
- ALL INTERIOR PARTITIONS ARE WALL TYPE **S640S** UNLESS OTHERWISE NOTED ON FLOOR PLANS.
- AT ALL RR LOCATIONS, ANY WALL SURFACE WITHOUT TILE TO BE PAINTED EPT.
- SEE SHEET A13.02 FOR TYPICAL TILE PATTERN ELEVATIONS.**

TOILET ACCESSORY NOTES

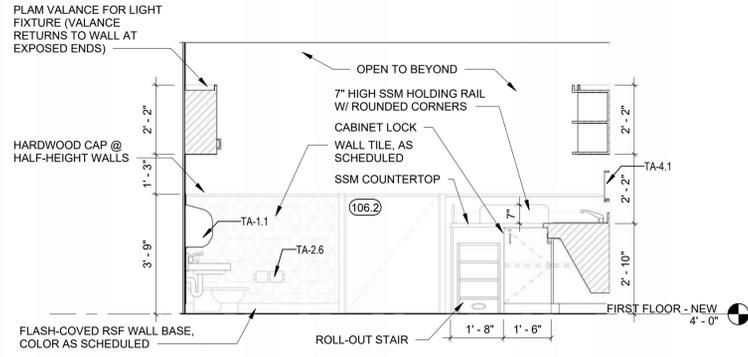
- FIELD VERIFY CHILD TOILET PAPER DISPENSER, SOAP DISPENSER, AND PAPER TOWEL DISPENSER LOCATION WITH ARCHITECT AND OWNER DURING CONSTRUCTION.
- COORDINATE LISTED IN-WALL, RECESSED DISPENSERS WITH WORK OF OTHER TRADES (PLUMBING, HVAC, ELECTRICAL, ETC.)
- SUBMIT ACCESSORY PRODUCT SCHEDULE FOR REVIEW INDICATING TYPES, QUANTITIES AND INSTALLATION LOCATIONS BY ROOM FOR EACH ITEM.
- SUBMIT MOUNTING HEIGHT SCHEDULE OF APPROVED ACCESSORY ITEMS FOR REVIEW.
- PROVIDE AND INSTALL ONE COAT HOOK AT PRIVATE OFFICE AND EACH PRIVATE ADULT RESTROOM. LOCATE AT WALL BEHIND DOOR IN OPEN POSITION OR AS DIRECTED BY ARCHITECT.



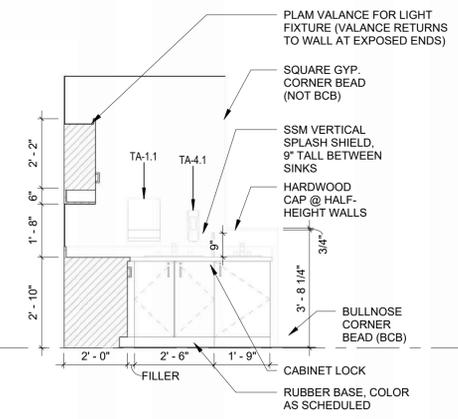
2 INFANT TODDLER WEST
3/8" = 1'-0"



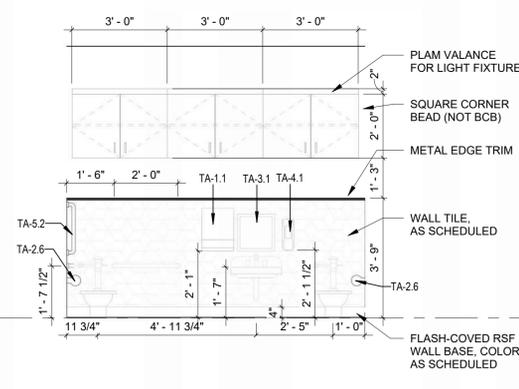
4 INFANT/TODDLER RR NORTH
3/8" = 1'-0"



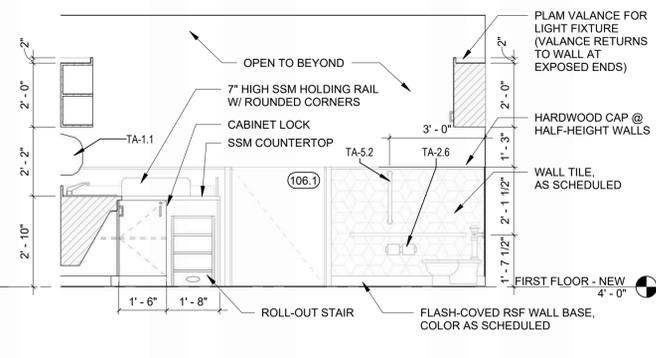
6 INFANT/TODDLER RR WEST
3/8" = 1'-0"



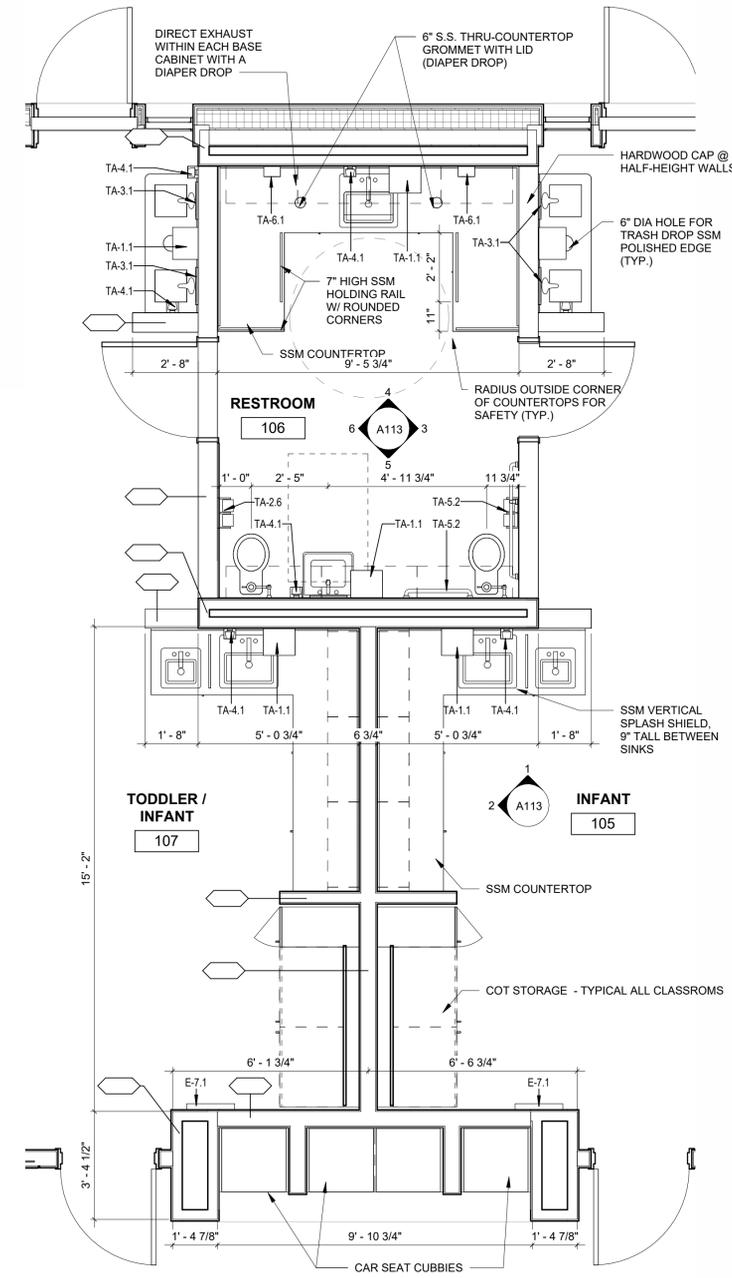
1 INFANT TODDLER FOOD PREP NORTH
3/8" = 1'-0"



5 INFANT/TODDLER RR SOUTH
3/8" = 1'-0"



3 INFANT/TODDLER RR EAST
3/8" = 1'-0"



C2 INFANT/ TODDLER CORE
A113 3/8" = 1'-0"

NOT FOR CONSTRUCTION

FIXTURE MOUNTING SCHEDULE				
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TA-2.6	TOILET PAPER HOLDER - DOUBLE ROLL (N.I.C.)	26" ADULT, CHILD - SEE FOOTNOTES	C.L. SPINDLE	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-3.1	CHILD MIRROR (14" x 14")	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-3.2	ADULT MIRROR (24" x 36")	40"	BOTTOM OF REFLECTIVE SURFACE	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-4.1	SOAP DISPENSER	39" ADULT, CHILD SEE INT. ELEV.	BOTTOM OF DISPENSER	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-5.1	GRAB BAR - ADULT (42" SIDE WALL, 36" BACK WALL, 18" VERTICAL)	34"	CENTER OF BAR	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-5.2	GRAB BAR (42" SIDE WALL, 24" BACK WALL, 18" VERTICAL)	19 1/2" (CHILD)	CENTER OF BAR	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-6.1	GLOVE DISPENSER	40"	B.O. DISPENSER	

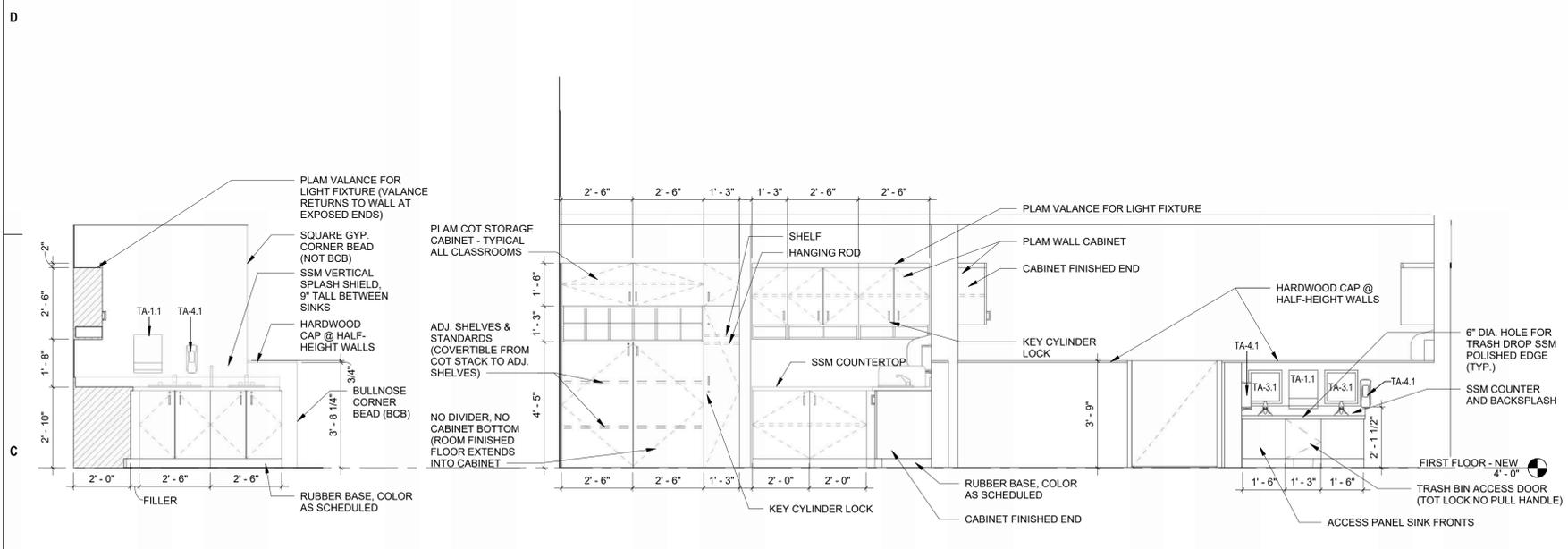
EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	NOTES
E-1	UNDERCOUNTER REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-2	WASHER	OWNER FURNISHED AND INSTALLED
E-3	DRYER	OWNER FURNISHED AND INSTALLED
E-4	DISHWASHER (COMMERCIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-6	DISHWASHER (RESIDENTIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-7.1	MAGNETIC MARKER BOARD (18" X 24")	OWNER FURNISHED, CONTRACTOR INSTALLED
E-8	REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-10	MICROWAVE	OWNER FURNISHED AND INSTALLED

INTERIOR ELEVATION NOTES

- DIMENSIONS EXPRESSED ON INTERIOR ELEVATIONS ARE FROM FINISH FACE-TO-FINISH FACE OR CENTERLINE UNLESS OTHERWISE NOTED. FLOOR PLAN DIMENSIONS ARE TO FACE-OF-STUD UNLESS OTHERWISE NOTED.
- ALL GYPSUM BOARD WALL CORNERS IN CLASSROOMS TO BE BULLNOSE CORNER BEAD (BCB) PER SPECIFICATIONS SECTION 09200. SEE ALSO NOTES ON CORNERS ON FINISH PLANS, SHEETS A12.01 & A12.02.
- ALL COUNTERTOP EXPOSED CORNERS IN CHILDCARE AREAS TO BE ROUNDED.
- PROVIDE MAGNETIC SAFETY LOCKS (TOT LOCK BY SAFETY 1ST) AT ALL LOWER CABINET DOORS AND DRAWERS IN CLASSROOM AND RESTROOM AREAS. SEE ALSO SECTION 06416.
- SEE 'ROOM FINISH SCHEDULE AND MATERIAL LEGEND' SHEET A11.01 AND A11.02 FOR IDENTIFICATION OF PLASTIC LAMINATE COLORS & MANUFACTURERS AND OTHER FINISHES.
- ALL INTERIOR PARTITIONS ARE WALL TYPE **S6A05** UNLESS OTHERWISE NOTED ON FLOOR PLANS.
- AT ALL RR LOCATIONS, ANY WALL SURFACE WITHOUT TILE TO BE PAINTED EPT.
- SEE SHEET A13.02 FOR TYPICAL TILE PATTERN ELEVATIONS.

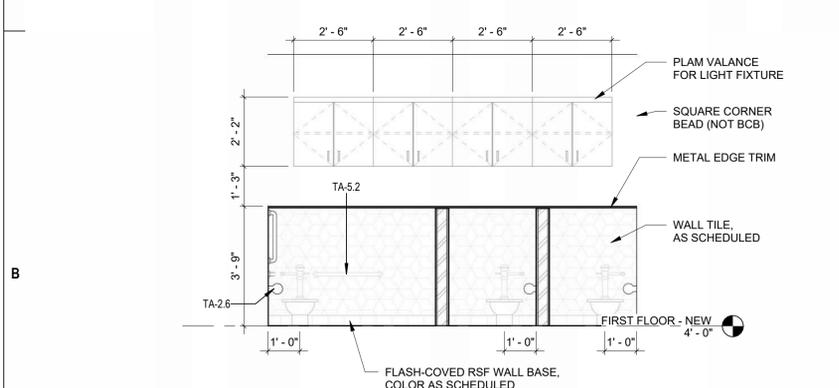
TOILET ACCESSORY NOTES

- FIELD VERIFY CHILD TOILET PAPER DISPENSER, SOAP DISPENSER, AND PAPER TOWEL DISPENSER LOCATION WITH ARCHITECT AND OWNER DURING CONSTRUCTION.
- COORDINATE LISTED IN-WALL, RECESSED DISPENSERS WITH WORK OF OTHER TRADES (PLUMBING, HVAC, ELECTRICAL, ETC.)
- SUBMIT ACCESSORY PRODUCT SCHEDULE FOR REVIEW INDICATING TYPES, QUANTITIES AND INSTALLATION LOCATIONS BY ROOM FOR EACH ITEM.
- SUBMIT MOUNTING HEIGHT SCHEDULE OF APPROVED ACCESSORY ITEMS FOR REVIEW.
- PROVIDE AND INSTALL ONE COAT HOOK AT PRIVATE OFFICE AND EACH PRIVATE ADULT RESTROOM. LOCATE AT WALL BEHIND DOOR IN OPEN POSITION OR AS DIRECTED BY ARCHITECT.

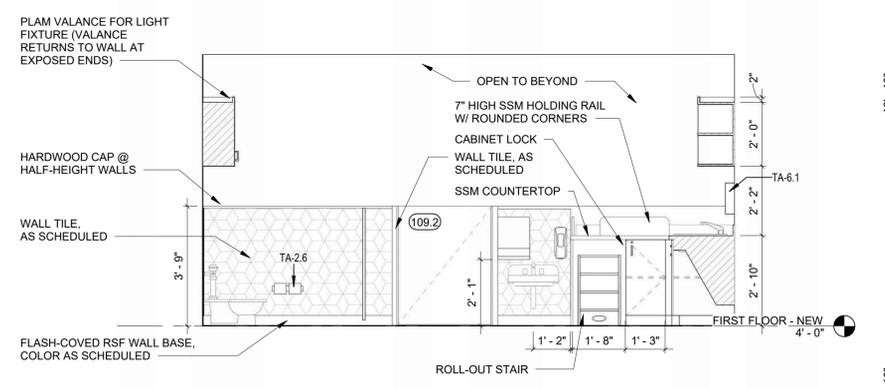


2 PRESCHOOL FOOD PREP NORTH
3/8" = 1'-0"

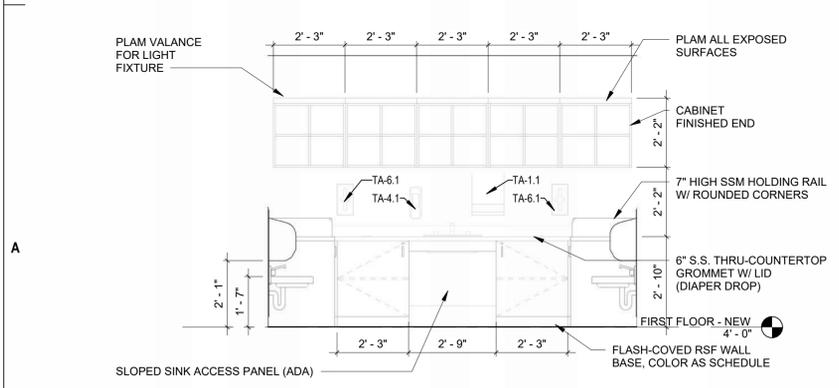
4 PRESCHOOL WEST
3/8" = 1'-0"



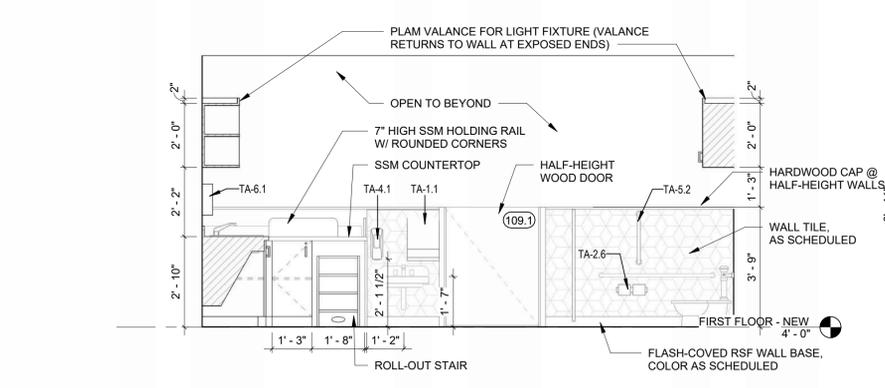
7 PRESCHOOL RR SOUTH
3/8" = 1'-0"



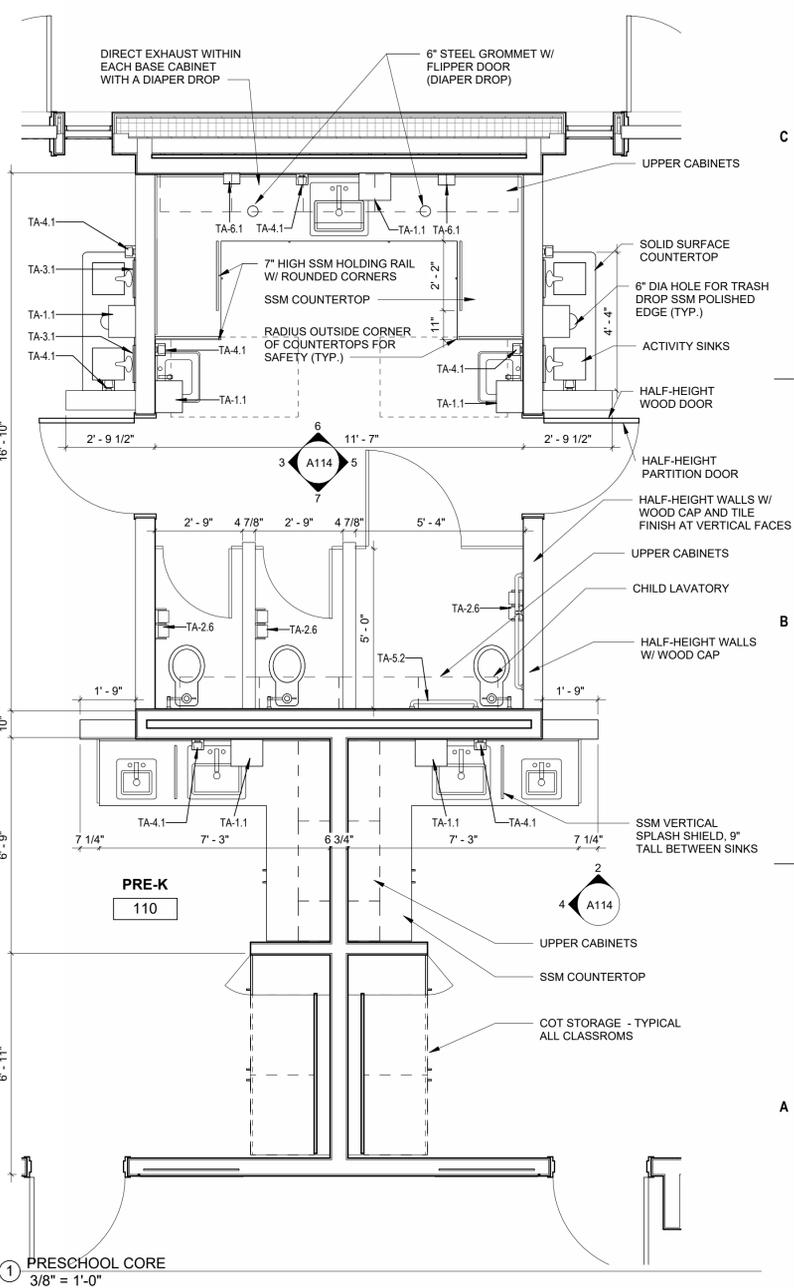
3 PRESCHOOL RR WEST
3/8" = 1'-0"



6 PRESCHOOL RR NORTH
3/8" = 1'-0"



5 PRESCHOOL RR EAST
3/8" = 1'-0"



1 PRESCHOOL CORE
3/8" = 1'-0"

EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	NOTES
E-1	UNDERCOUNTER REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-2	WASHER	OWNER FURNISHED AND INSTALLED
E-3	DRYER	OWNER FURNISHED AND INSTALLED
E-4	DISHWASHER (COMMERCIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-6	DISHWASHER (RESIDENTIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-7.1	MAGNETIC MARKER BOARD (18" X 24")	OWNER FURNISHED, CONTRACTOR INSTALLED
E-8	REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-10	MICROWAVE	OWNER FURNISHED AND INSTALLED

INTERIOR ELEVATION NOTES

- DIMENSIONS EXPRESSED ON INTERIOR ELEVATIONS ARE FROM FINISH FACE-TO-FINISH FACE OR CENTERLINE UNLESS OTHERWISE NOTED. FLOOR PLAN DIMENSIONS ARE TO FACE-OF-STUD UNLESS OTHERWISE NOTED.
- ALL GYPSUM BOARD WALL CORNERS IN CLASSROOMS TO BE BULLNOSE CORNER BEAD (BCB) PER SPECIFICATIONS SECTION 092900. SEE ALSO NOTES ON CORNERS ON FINISH PLANS, SHEETS A12.01 & A12.02.
- ALL COUNTERTOP EXPOSED CORNERS IN CHILDCARE AREAS TO BE ROUNDED.
- PROVIDE MAGNETIC SAFETY LOCKS (TOT LOCK BY SAFETY 1ST) AT ALL LOWER CABINET DOORS AND DRAWERS IN CLASSROOM AND RESTROOM AREAS. SEE ALSO SECTION 064116.
- SEE 'ROOM FINISH SCHEDULE AND MATERIAL LEGEND' SHEET A11.01 AND A11.02 FOR IDENTIFICATION OF PLASTIC LAMINATE COLORS & MANUFACTURERS AND OTHER FINISHES.
- ALL INTERIOR PARTITIONS ARE WALL TYPE S640S UNLESS OTHERWISE NOTED ON FLOOR PLANS.
- AT ALL RR LOCATIONS, ANY WALL SURFACE WITHOUT TILE TO BE PAINTED EPT.
- SEE SHEET A13.02 FOR TYPICAL TILE PATTERN ELEVATIONS.

NOT FOR CONSTRUCTION

**Snowmass Little Red Schoolhouse
ECE**
 4598 Owl Creek Rd, Snowmass Village, CO 81615
 Town of Snowmass Village

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 PROJECT NUMBER
 2023-07
 DATE
 07/12/2024
 ISSUED FOR:
 50% DESIGN DEVELOPMENT

REVISIONS

QA/QC APPROVAL: TAM
 DRAWN BY: ECM
 CHECKED BY: AFA

SHEET TITLE
 ENLARGED PLANS &
 ELEVATIONS

SHEET NO.
 A115

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SHEET TITLE
ENLARGED PLANS & ELEVATIONS

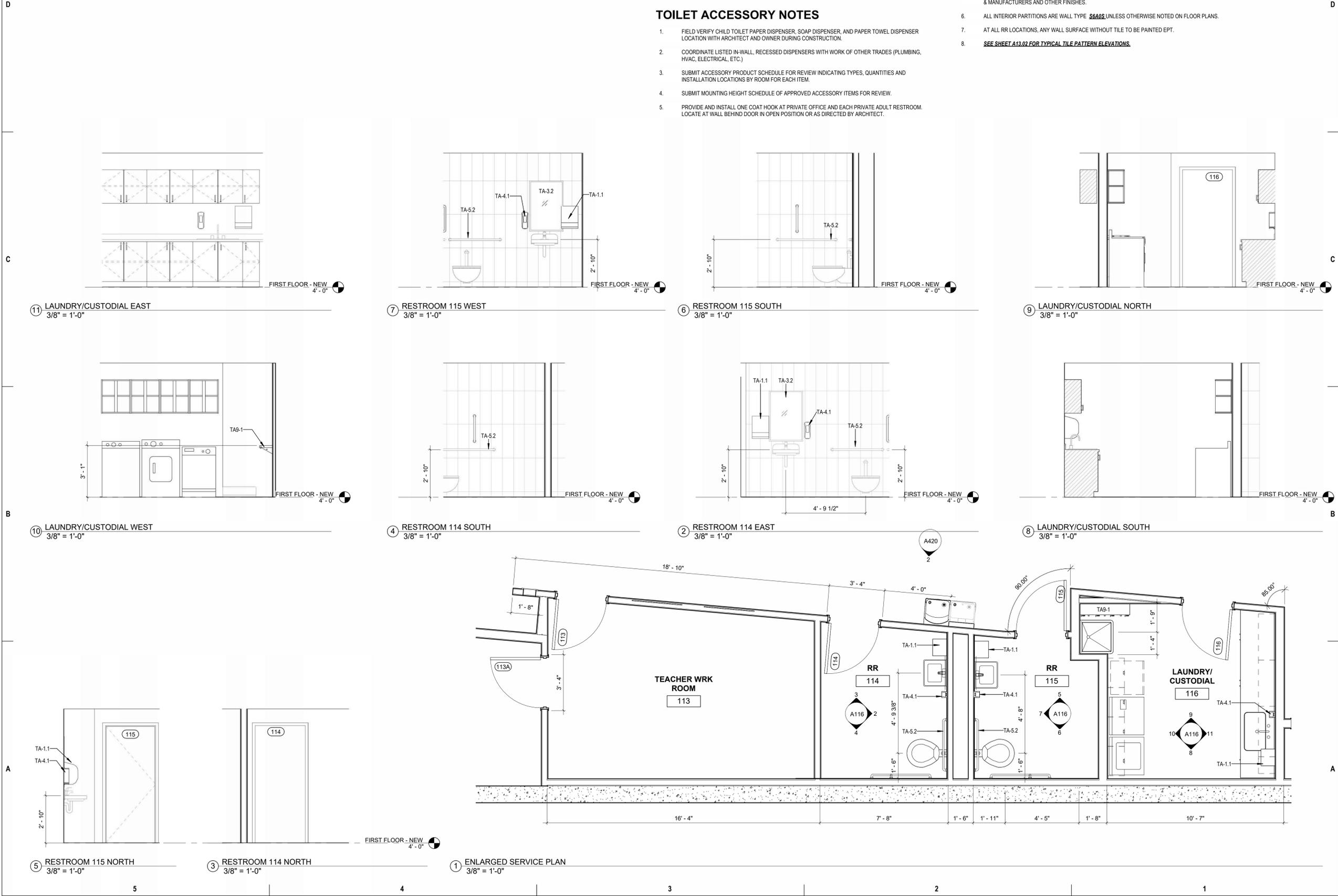
SHEET NO.
A116

FIXTURE MOUNTING SCHEDULE				
MARK	DESCRIPTION	MOUNTING HEIGHT	MEASURED TO	COMMENTS
TA-1.1	PAPER TOWEL DISPENSER	42" ADULT, CHILD - SEE INT. ELEV.	BOTTOM OF DISPENSER	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-2.6	TOILET PAPER HOLDER - DOUBLE ROLL (N.I.C.)	26" ADULT, CHILD - SEE FOOTNOTES	C.L. SPINDLE	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-3.1	CHILD MIRROR (14" x 14")	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-3.2	ADULT MIRROR (24" x 36")	40"	BOTTOM OF REFLECTIVE SURFACE	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-4.1	SOAP DISPENSER	39" ADULT, CHILD SEE INT. ELEV.	BOTTOM OF DISPENSER	OWNER FURNISHED, CONTRACTOR INSTALLED
TA-5.1	GRAB BAR -ADULT (42" SIDE WALL, 36" BACK WALL, 18" VERTICAL)	34"	CENTER OF BAR	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-5.2	GRAB BAR (42" SIDE WALL, 24" BACK WALL, 18" VERTICAL)	19 1/2" (CHILD)	CENTER OF BAR	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
TA-6.1	GLOVE DISPENSER	40"	B.O. DISPENSER	

EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	NOTES
E-1	UNDERCOUNTER REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-2	WASHER	OWNER FURNISHED AND INSTALLED
E-3	DRYER	OWNER FURNISHED AND INSTALLED
E-4	DISHWASHER (COMMERCIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-6	DISHWASHER (RESIDENTIAL)	OWNER FURNISHED, CONTRACTOR INSTALLED
E-7.1	MAGNETIC MARKER BOARD (18" X 24")	OWNER FURNISHED, CONTRACTOR INSTALLED
E-8	REFRIGERATOR	OWNER FURNISHED AND INSTALLED
E-10	MICROWAVE	OWNER FURNISHED AND INSTALLED

- ### INTERIOR ELEVATION NOTES
- DIMENSIONS EXPRESSED ON INTERIOR ELEVATIONS ARE FROM FINISH FACE-TO-FINISH FACE OR CENTERLINE UNLESS OTHERWISE NOTED. FLOOR PLAN DIMENSIONS ARE TO FACE-OF-STUD UNLESS OTHERWISE NOTED.
 - ALL GYPSUM BOARD WALL CORNERS IN CLASSROOMS TO BE BULLNOSE CORNER BEAD (BCB) PER SPECIFICATIONS SECTION 09200. SEE ALSO NOTES ON CORNERS ON FINISH PLANS. **SHEETS A12.01 & A12.02.**
 - ALL COUNTERTOP EXPOSED CORNERS IN CHILDCARE AREAS TO BE ROUNDED.
 - PROVIDE MAGNETIC SAFETY LOCKS (TOT LOCK BY SAFETY 1ST) AT ALL LOWER CABINET DOORS AND DRAWERS IN CLASSROOM AND RESTROOM AREAS. SEE ALSO SECTION 06416.
 - SEE 'ROOM FINISH SCHEDULE AND MATERIAL LEGEND' **SHEET A11.01 AND A11.02** FOR IDENTIFICATION OF PLASTIC LAMINATE COLORS & MANUFACTURERS AND OTHER FINISHES.
 - ALL INTERIOR PARTITIONS ARE WALL TYPE **S640S** UNLESS OTHERWISE NOTED ON FLOOR PLANS.
 - AT ALL RR LOCATIONS, ANY WALL SURFACE WITHOUT TILE TO BE PAINTED EPT.
 - SEE SHEET A13.02 FOR TYPICAL TILE PATTERN ELEVATIONS.**

- ### TOILET ACCESSORY NOTES
- FIELD VERIFY CHILD TOILET PAPER DISPENSER, SOAP DISPENSER, AND PAPER TOWEL DISPENSER LOCATION WITH ARCHITECT AND OWNER DURING CONSTRUCTION.
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11 LAUNDRY/CUSTODIAL EAST
3/8" = 1'-0"

7 RESTROOM 115 WEST
3/8" = 1'-0"

6 RESTROOM 115 SOUTH
3/8" = 1'-0"

9 LAUNDRY/CUSTODIAL NORTH
3/8" = 1'-0"

10 LAUNDRY/CUSTODIAL WEST
3/8" = 1'-0"

4 RESTROOM 114 SOUTH
3/8" = 1'-0"

2 RESTROOM 114 EAST
3/8" = 1'-0"

8 LAUNDRY/CUSTODIAL SOUTH
3/8" = 1'-0"

5 RESTROOM 115 NORTH
3/8" = 1'-0"

3 RESTROOM 114 NORTH
3/8" = 1'-0"

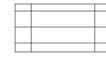
1 ENLARGED SERVICE PLAN
3/8" = 1'-0"

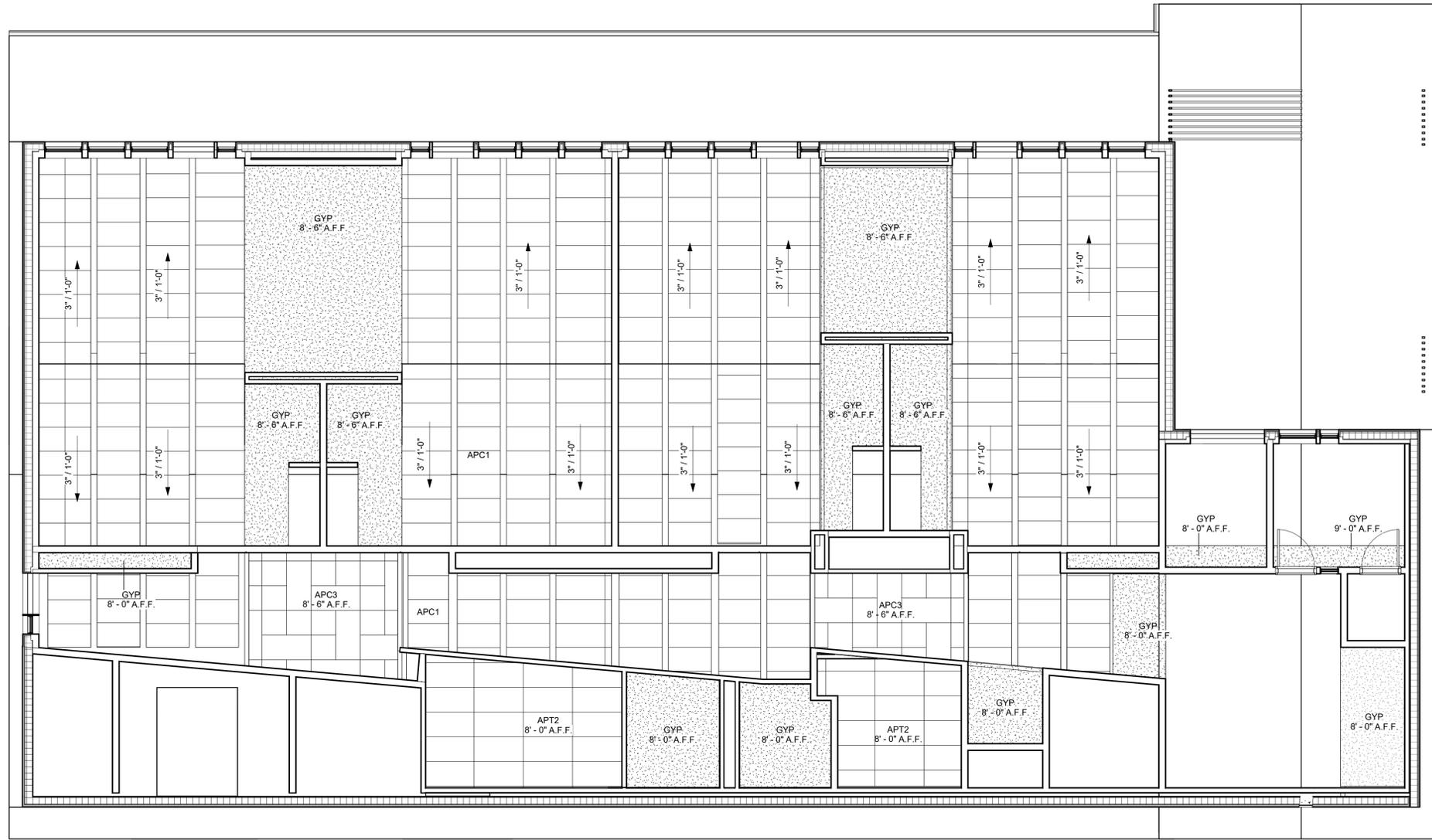
PLAN NOTES	
#	NOTE

RCP GENERAL NOTES

- LIGHTING IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY, RE: ELEC FOR LIGHTING QUANTITIES AND LOCATIONS

RCP LEGEND

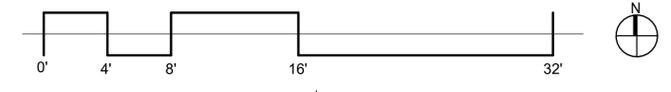
	GYP	5/8" GYPSUM BOARD ON METAL STUD FRAMING, FIELD-PAINTED AS SCHEDULED
	ACT1	BASIS OF DESIGN: ROCKFON BRAND, STYLE SONAR, SQUARE EDGE, SIZE 24"X96", SUSPENSION SYSTEM 15/16" WHITE, HEAVY DUTY
	ACT2	BASIS OF DESIGN: ROCKFON BRAND, STYLE HYGIENIC PLUS, SQUARE EDGE, SIZE 24"X48", SUSPENSION SYSTEM 15/16", WHITE, HEAVY DUTY
	WP1	HORIZONTAL LINEAR WOOD PLANKS
	EXP	EXPOSED STRUCTURE, FIELD-PAINTED AS SCHEDULED



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**Snowmass Little Red Schoolhouse
ECE**
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 Town of Snowmass Village

A5
A122 RCP - FIRST FLOOR
3/16" = 1'-0"



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REVISIONS:
 QASC APPROVAL: TAM
 DRAWN BY: ECM
 CHECKED BY: AFA
 SHEET TITLE: RCP - FIRST FLOOR

SHEET NO: A122

**Snowmass Little Red Schoolhouse
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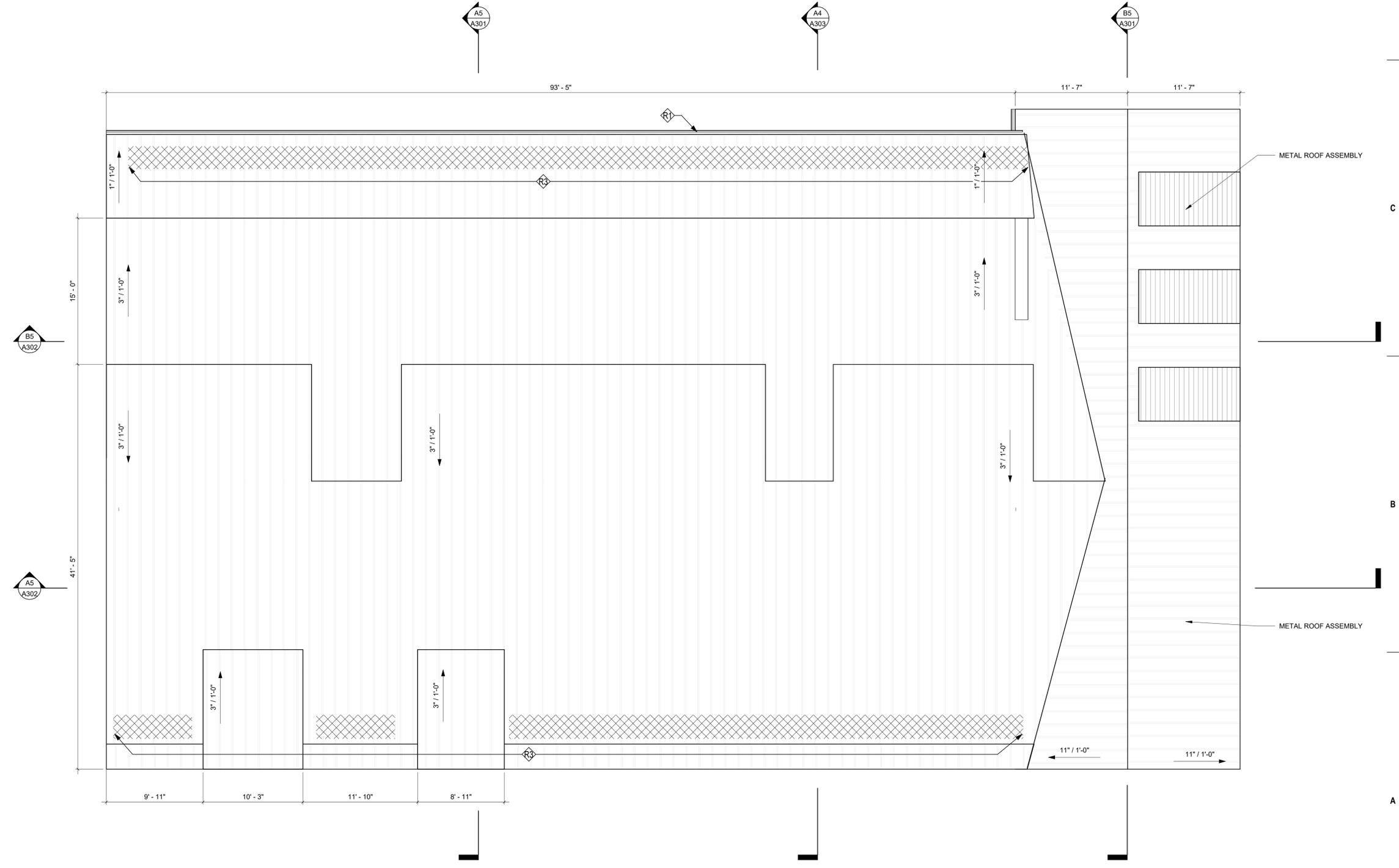
REVISIONS

QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
ROOF PLAN

SHEET NO.
A130

PLAN NOTES	
#	NOTE
R1	ALUMINUM GUTTER
R3	HEAT TRACE AT ROOF EDGE, SHOWN AS HATCH



A5 ROOF PLAN
A130 3/16" = 1'-0"

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SHEET TITLE
FINISH SCHEDULES

SHEET NO.
A140

ROOM FINISH SCHEDULE									
NAME	AREA	FLOOR	BASE	CEILING	WALL - NORTH	WALL - EAST	WALL - SOUTH	WALL - WEST	COMMENTS
FIRST FLOOR - NEW									
CORRIDOR	799 SF								
ELEC	70 SF								
GATHERING/ KITCHEN	307 SF								
INFANT	588 SF	LVT-1	RB-1						
LAUNDRY/ CUSTODIAL	108 SF								
MECHANICAL	139 SF								
OFFICE	106 SF	CPT-1	RB-1						
PRE-K	593 SF	LVT-1	RB-1						
PRE-K	595 SF	LVT-1	RB-1						
RESTROOM	190 SF								
RESTROOM	128 SF								
RR	68 SF								
RR	60 SF								
STOR.	25 SF								
STORAGE	91 SF								
TEACHER WRK ROOM	161 SF								
TELECOM	18 SF								
TODDLER / INFANT	579 SF	LVT-1	RB-1						
VESTIBULE	82 SF	WM-1	TB-1						
WATER ENTRY	77 SF								

INTERIOR FINISH SCHEDULE

FLOOR FINISHES

CPT-1	STYLE: COLOR: SIZE:	CARPET TILE TBD 24x24
LVT-1	STYLE: COLOR: SIZE:	LUXURY VINYL TILE TBD 18x36
PT-1	STYLE: COLOR: FINISH: SIZE:	PORCELAIN TILE TBD TBD 24x24
SS-1	STYLE: COLOR:	MARMOLEUM SOLID SHEET FLOORING TBD
SV-1	STYLE: COLOR: SIZE:	SHEET VINYL FLOORING TBD TBD
WM-1	STYLE: SIZE:	RECESSED WALK-OFF MAT TBD

MILLWORK FINISHES

SSM-1	MANUFACTURER: STYLE: COLOR:	SOLID SURFACE MATERIAL COUNTERTOP TBD TBD
PL-1	STYLE: COLOR:	PLAM TBD

WALL FINISHES

FRP-1	STYLE: COLOR:	FIBERGLASS REINFORCED PANELS TBD
P-1	STYLE: COLOR: TYPE:	PAINT WHITE TBD
P-2	STYLE: COLOR: TYPE:	PAINT WHITE TBD
CT-1	STYLE: COLOR: FINISH: SIZE:	CERAMIC TILE TBD TBD 8x8
IB-1	TYPE: COLOR:	INTEGRAL SOLID SHEET BASE TBD
RB-1	TYPE: COLOR:	4" HIGH RUBBER BASE SELECTION BY ARCHITECT
TB-1	STYLE: COLOR: FINISH: SIZE:	TILE BASE TBD TBD 6x24

CEILING FINISHES

ACT-1	TYPE: MANUFAQ.: PRODUCT: COLOR: SIZE: GRID / EDGE:	ACOUSTICAL CEILING TILE ROCKFON STYLE SONAR, HEAVY DUTY WHITE 24"x96" 15/16" GRID, SQUARE EDGE
ACT-2	TYPE: MANUFAQ.: PRODUCT: COLOR: SIZE: GRID / EDGE:	ACOUSTICAL CEILING TILE ROCKFON STYLE HYGIENIC PLUS WHITE 24"x48" 15/16" GRID, SQUARE EDGE
ACP-1	TYPE: PRODUCT: COLOR: SIZE:	ACOUSTICAL CEILING PANEL TBD TBD TBD
WP-1	TYPE: PRODUCT: COLOR: SIZE:	HORIZONTAL LINEAR WOOD PLANKS TBD TBD TBD

EXTERIOR FINISHES

REFER TO EXTERIOR ELEVATIONS SHEET FOR EXTERIOR MATERIALS AND FINISHES

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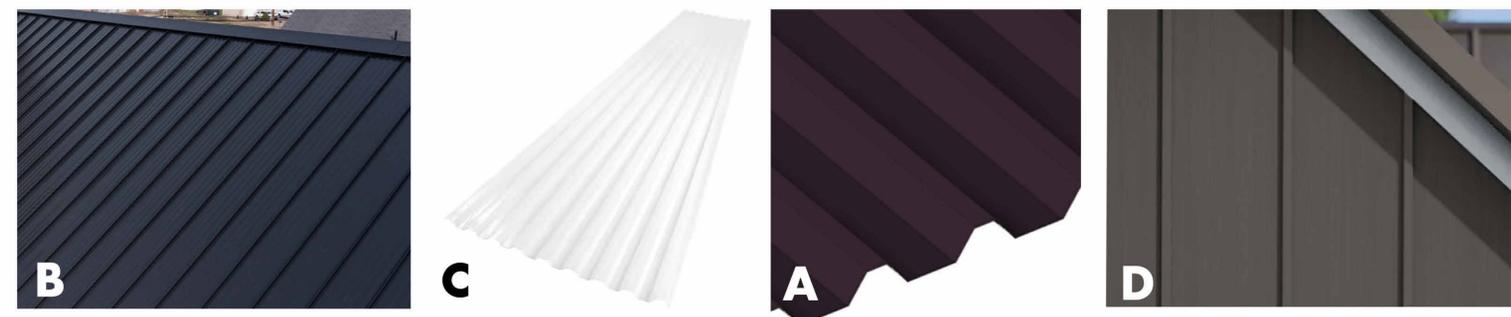
QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
EXTERIOR FINISH
SCHEDULE

SHEET NO.
A141

LEGEND

- A. MP-1 METAL PANEL
Atas International - Belvedere 6" Short Rib
Black
North, East, South Elevations
- B. RP-1 ROOF PANEL
Sheffield Metals - 1.5" Snaplock 550
Matte Black
Roof
- C. RP-2 ROOF PANEL
Suntuf - Polycarbonate Panel
Clear
Roof
- D. WC-1 WALL CLADDING
James Hardie - Hardie Trim Batten Boards
Rich Espresso
North, East, South, West Elevations
- E. WC-2 WALL CLADDING
Thermory USA - Benchmark Pine Cladding 1x6
Scots Pine - Brown
North Elevation @ Entry
- F. WN-1 DOORS + WINDOWS
Alpen - Zenith ZR-10
Midnight Black
North, East, South, West Elevations
- G. FF-1 SIDEWALK
Stamped Epoxy Coated Concrete
- H. FF-2 ROCK GARDEN
Crusher Fines

LITTLE RED SCHOOL HOUSE MATERIALS BOARD 06.28.2024



5

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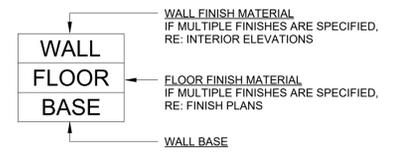
SHEET TITLE
FINISH PLAN - FIRST FLOOR

SHEET NO.
A142

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FINISH TAG LEGEND

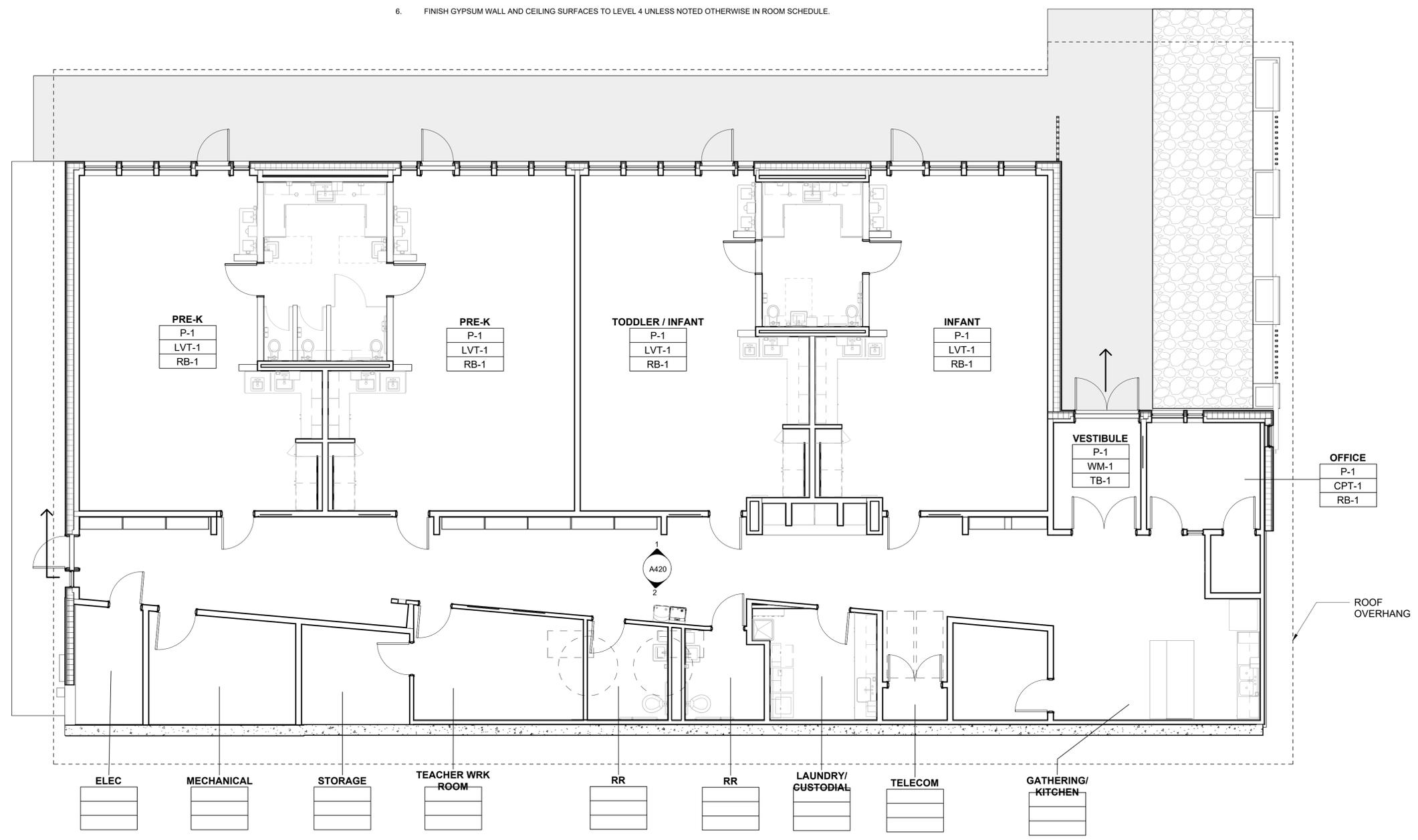
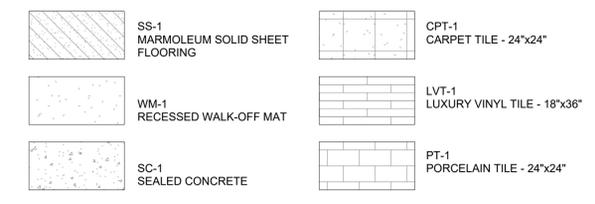
RE: A140 FOR MORE DETAILED FINISH INFORMATION



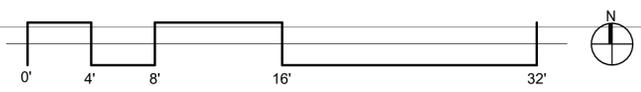
**FINISH PLAN
GENERAL NOTES**

- THE FOLLOWING INTERIOR FINISHES ARE LOCATED THROUGHOUT THE SCOPE OF WORK, **UNLESS NOTED OTHERWISE**. REFER TO INTERIOR FINISH SCHEDULE FOR SPECIFICATION.
 - INTERIOR GWB WALLS TO BE PAINTED.
 - INTERIOR WALLS TO HAVE RB-1 BASE AT GWB WALLS.
 - GWB CEILINGS TO BE PAINTED.
 - EXPOSED STRUCTURE, DUCTWORK AND PIPES TO BE PAINTED.
 - RUN WALL FINISHES TO UNDERSIDE OF STRUCTURE AT EXPOSED CEILINGS.
 - AIR GRILLES TO MATCH ADJACENT WALL COLOR.
 - FRP-1 FOR CUSTODIAL CLOSETS SHALL EXTEND 2'-0" IN BOTH DIRECTIONS FROM MOP AND SINK AND EXTEND 4'-0" ABOVE WALL BASE, UNO
 - ACCESS DOORS TO BE PAINTED TO MATCH ADJACENT WALL OR CEILING FINISH.
 - EXPOSED CONDUIT TO BE PAINTED TO MATCH ADJACENT WALL OR CEILING FINISH.
 - DOORS AND FRAMES INDICATED TO RECEIVE PAINT SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE.
- FLOOR MATERIALS TO BE BUTT JOINTED AT TRANSITIONS ON CENTER OF DOOR LEAF WHERE APPLICABLE. UNO PROVIDE EDGE PROTECTION AND TRANSITION PROFILES WHERE FLOOR MATERIAL CHANGES AND/OR STOPS. REFER TO SPECS FOR ADDITIONAL INFO.
- FLOORING MATERIALS CONTINUE UNDER CASEWORK TO TOE KICK OR TO WALL IF OPEN.
- REFER TO A140 & A420 SHEET SERIES AND OTHER DRAWINGS IN ADDITION TO FINISH PLANS AND FINISH LEGEND FOR FULL EXTENT OF INTERIOR FINISHES.
- WHERE CORNER GUARDS ARE INDICATED ON FINISH PLAN, PROVIDE 4" WIDE STAINLESS STEEL ANGLE GUARDS TO 6'-0" AFF.
- FINISH GYPSUM WALL AND CEILING SURFACES TO LEVEL 4 UNLESS NOTED OTHERWISE IN ROOM SCHEDULE.

FLOOR FINISHES

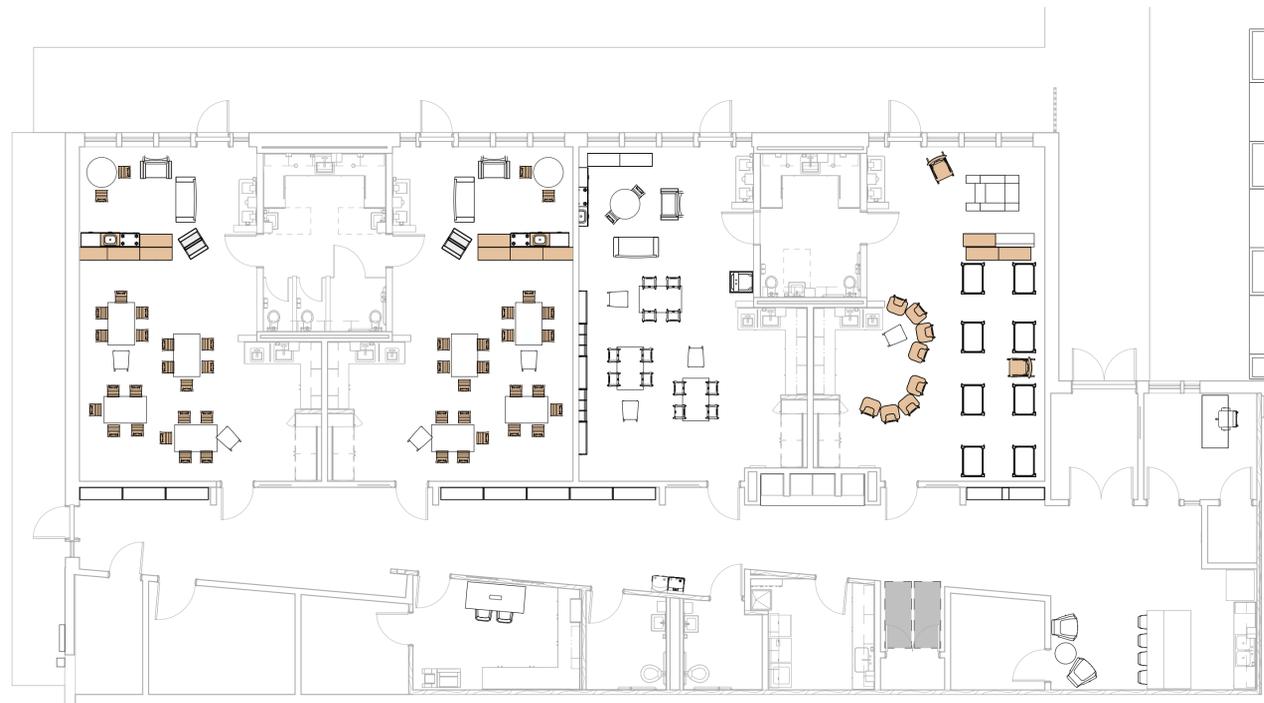


1
A142 FINISH PLAN - FIRST FLOOR
3/16" = 1'-0"



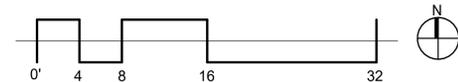
**FINISH PLAN
GENERAL NOTES**

- 1. FURNITURE PROVIDED BY OWNER UNLESS NOTED OTHERWISE.



NOTE: FURNITURE TO BE PROVIDED AND INSTALLED BY OWNER. PLANS ARE FOR REFERENCE ONLY.

A3
A150 FURNITURE PLAN - GROUND FLOOR
1/8" = 1'-0"



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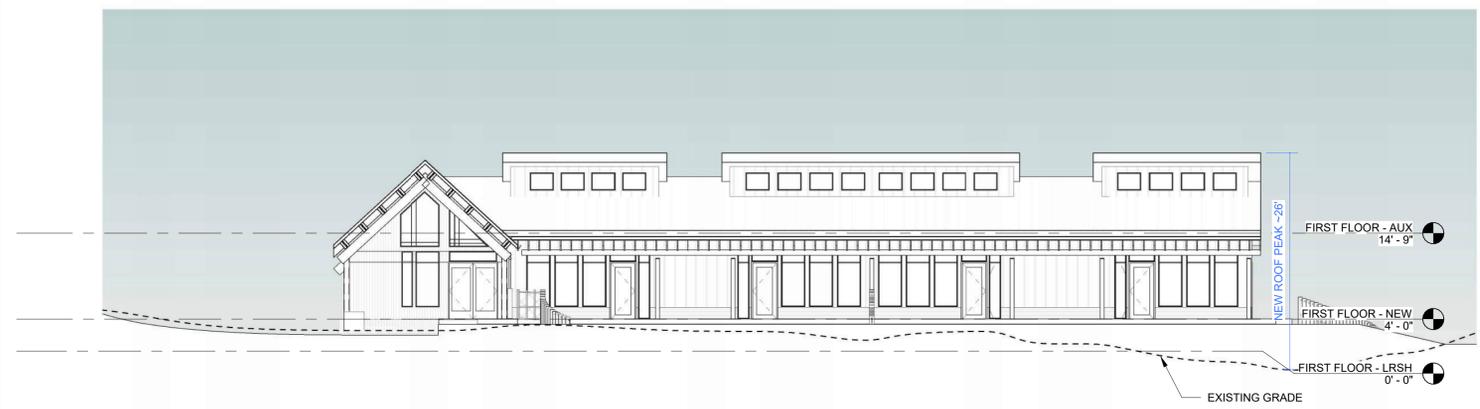
SHEET TITLE
FURNITURE AND COT
PLAN

SHEET NO.
A150

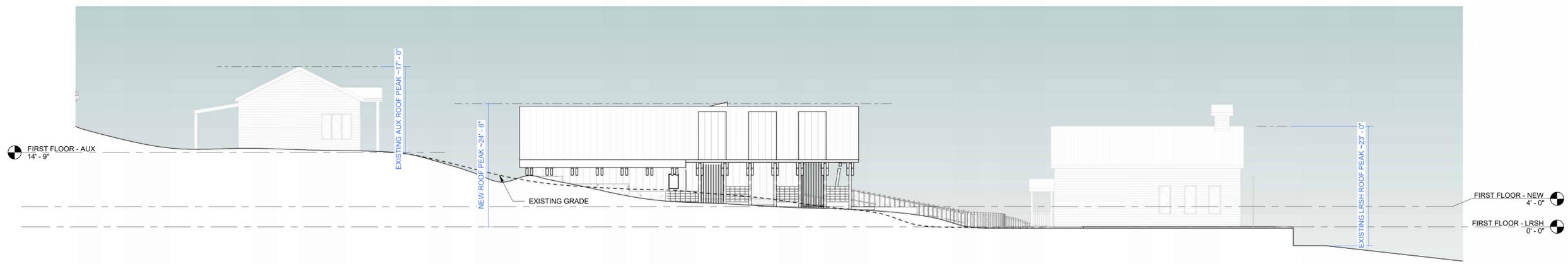
*Snowmass Little Red Schoolhouse
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B4 OVERALL NORTH ELEVATION
A200 3/32" = 1'-0"



A5 OVERALL EAST ELEVATION
A200 3/32" = 1'-0"

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SHEET TITLE
OVERALL EXTERIOR
ELEVATIONS

SHEET NO.
A200

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Town of Snowmass Village

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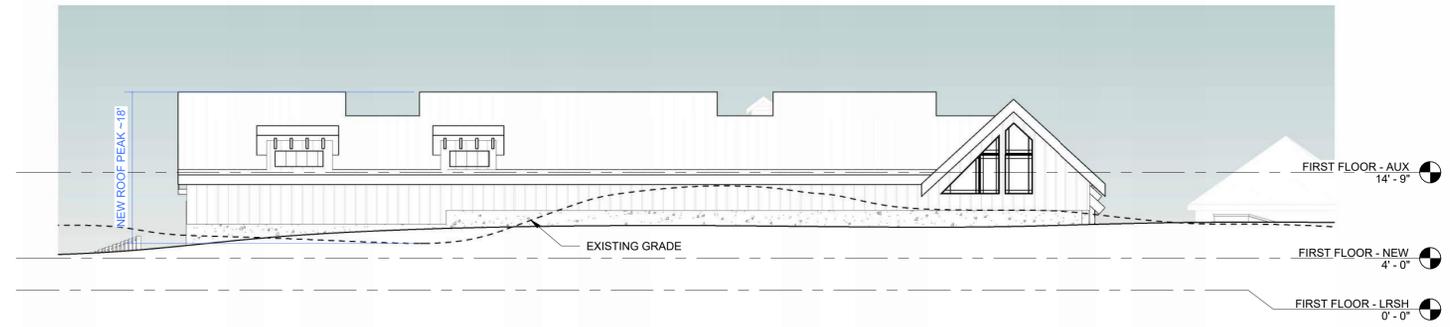
PROJECT NUMBER
2023-07
DATE
07/12/2024
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50% DESIGN DEVELOPMENT

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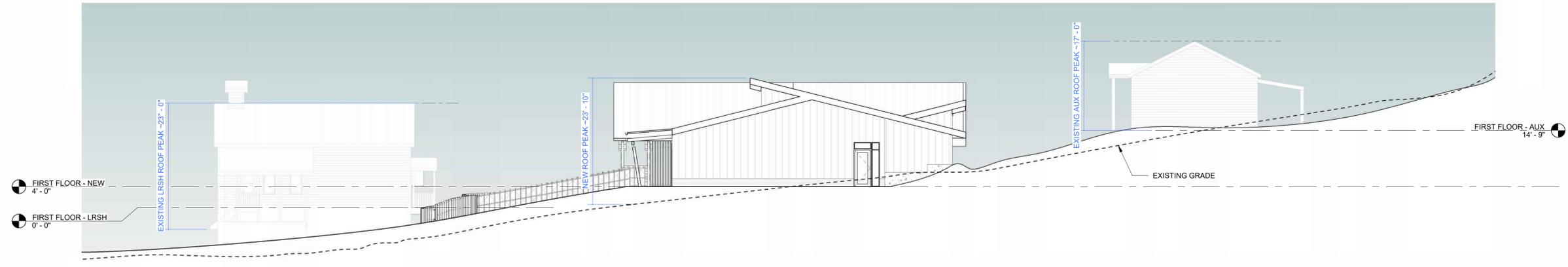
QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
OVERALL EXTERIOR
ELEVATIONS

SHEET NO.
A201



A3 OVERALL SOUTH ELEVATION
A201 3/32" = 1'-0"



A5 OVERALL WEST ELEVATION
A201 3/32" = 1'-0"

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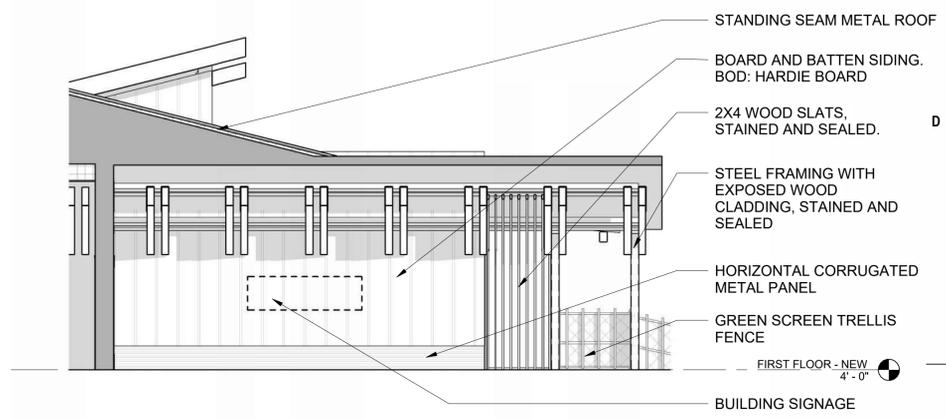
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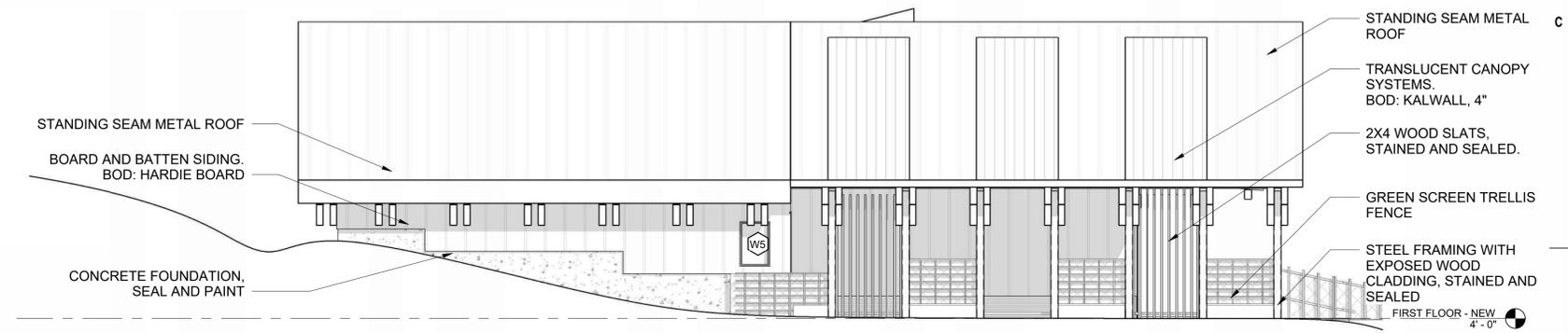
QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
EXTERIOR ELEVATIONS

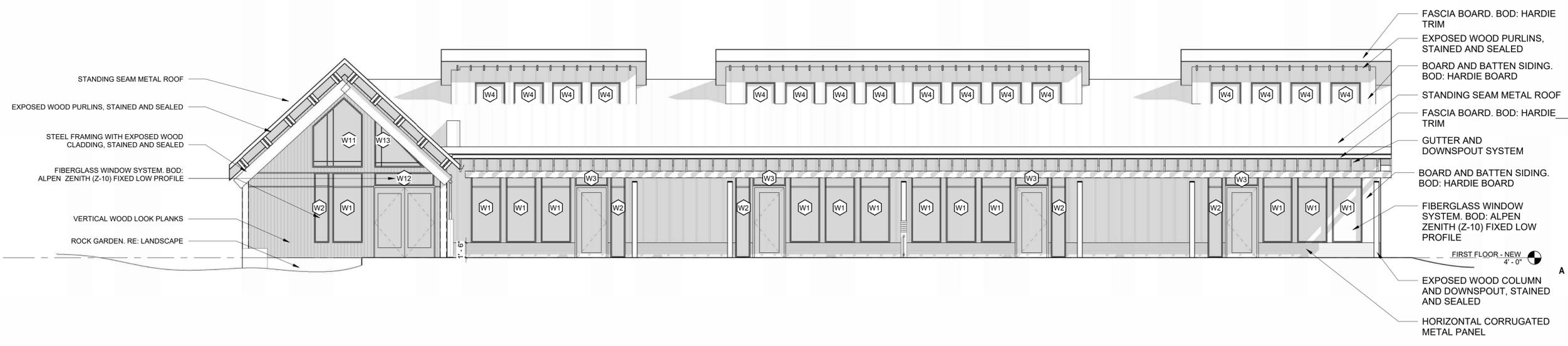
SHEET NO.
A210



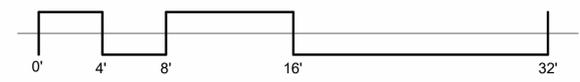
C2 EAST ELEVATION 2
A210 3/16" = 1'-0"



B4 EAST ELEVATION
A210 3/16" = 1'-0"

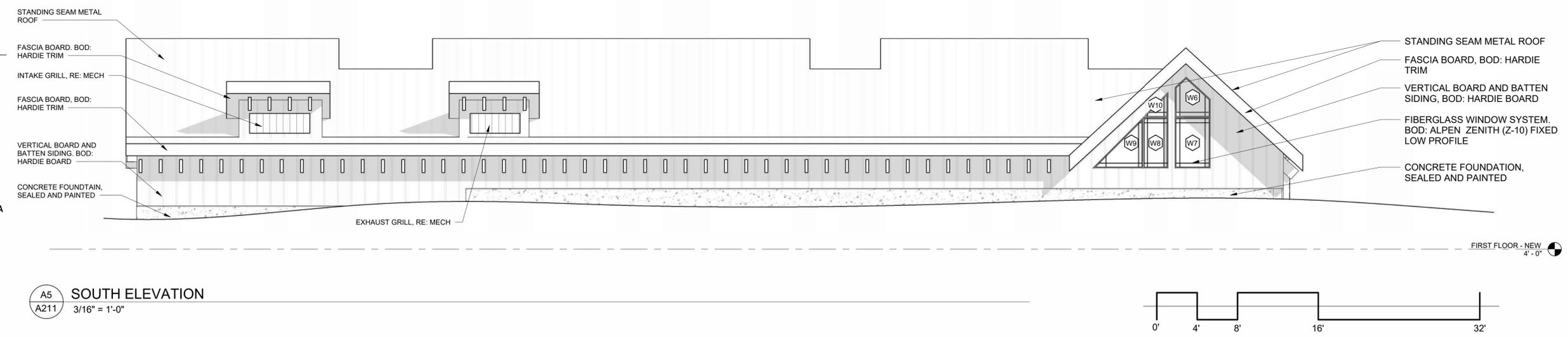
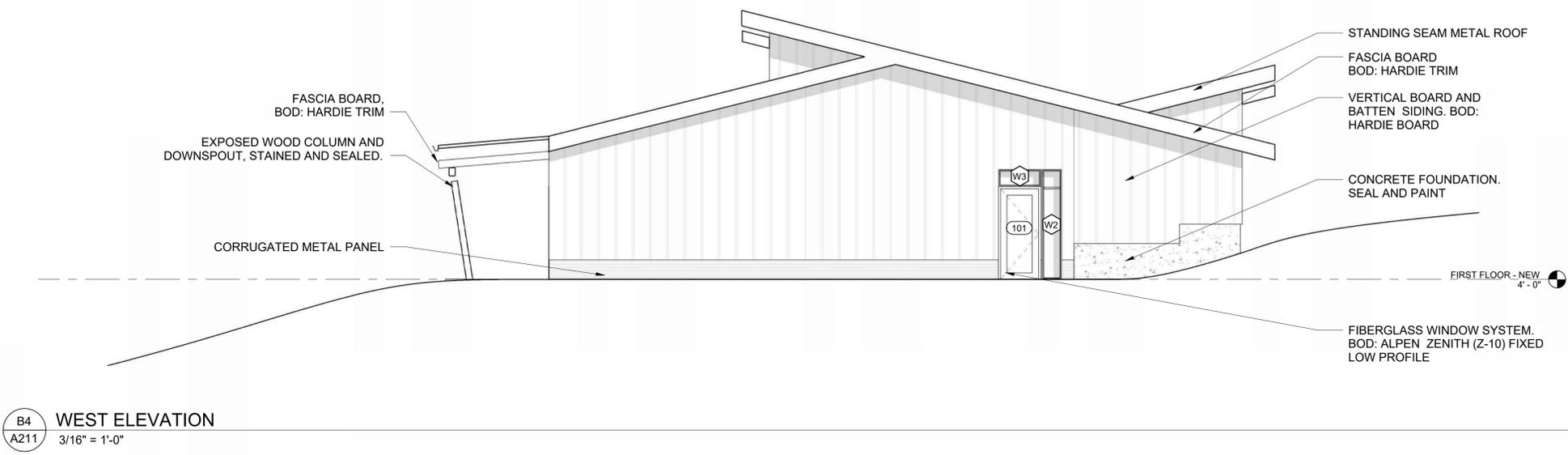


A5 NORTH ELEVATION
A210 3/16" = 1'-0"



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SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A211

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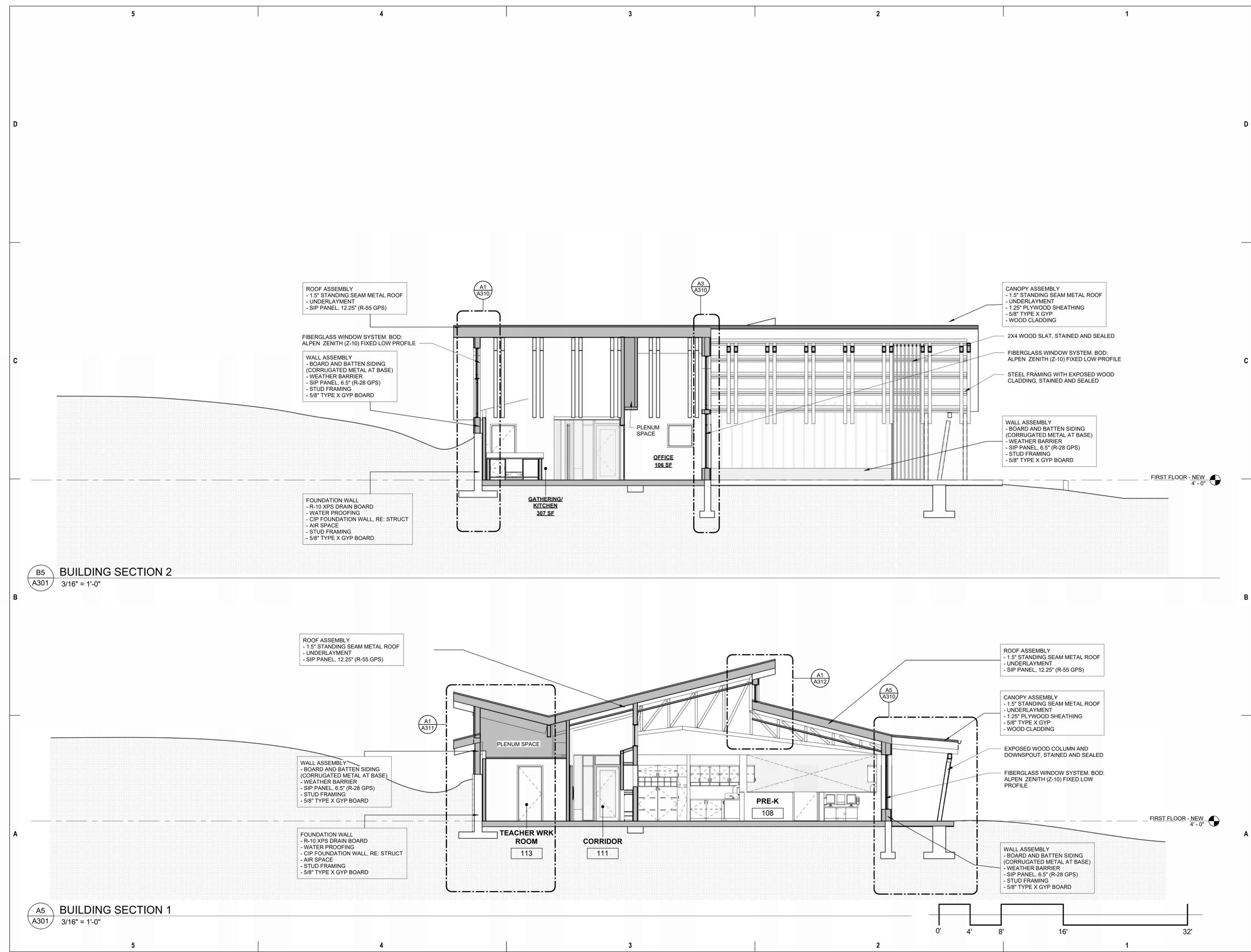
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2023-07
DATE
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SHEET TITLE
BUILDING SECTIONS

SHEET NO.
A301



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SHEET TITLE
BUILDING SECTIONS

SHEET NO.
A302

ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)

WALL ASSEMBLY
- BOARD AND BATTEN SIDING
(CORRUGATED METAL AT BASE)
- WEATHER BARRIER
- SIP PANEL, 6.5" (R-28 GPS)
- STUD FRAMING
- 5/8" TYPE X GYP BOARD

CANOPY ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- 1.25" PLYWOOD SHEATHING
- 5/8" TYPE X GYP
- WOOD CLADDING

STEEL FRAMING WITH EXPOSED WOOD
CLADDING, STAINED AND SEALED

GREEN SCREEN TRELLIS FENCE

CIP PLANTER BOX

FIRST FLOOR - NEW
4'-0"

RE: LANDSCAPE FOR GRADING

WALL ASSEMBLY
- BOARD AND BATTEN SIDING
(CORRUGATED METAL AT BASE)
- WEATHER BARRIER
- SIP PANEL, 6.5" (R-28 GPS)
- STUD FRAMING
- 5/8" TYPE X GYP BOARD

B5 BUILDING SECTION 4
A302 3/16" = 1'-0"

ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)

WALL ASSEMBLY
- BOARD AND BATTEN SIDING
(CORRUGATED METAL AT BASE)
- WEATHER BARRIER
- SIP PANEL, 6.5" (R-28 GPS)
- STUD FRAMING
- 5/8" TYPE X GYP BOARD

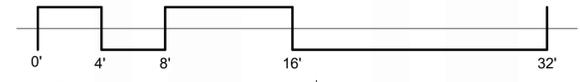
FIBERGLASS WINDOW
SYSTEM, BOD: ALPEN
ZENITH (Z-10) FIXED
LOW PROFILE

ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)

WALL ASSEMBLY
- BOARD AND BATTEN SIDING
(CORRUGATED METAL AT BASE)
- WEATHER BARRIER
- SIP PANEL, 6.5" (R-28 GPS)
- STUD FRAMING
- 5/8" TYPE X GYP BOARD

FIRST FLOOR - NEW
4'-0"

A5 BUILDING SECTION 3
A302 3/16" = 1'-0"



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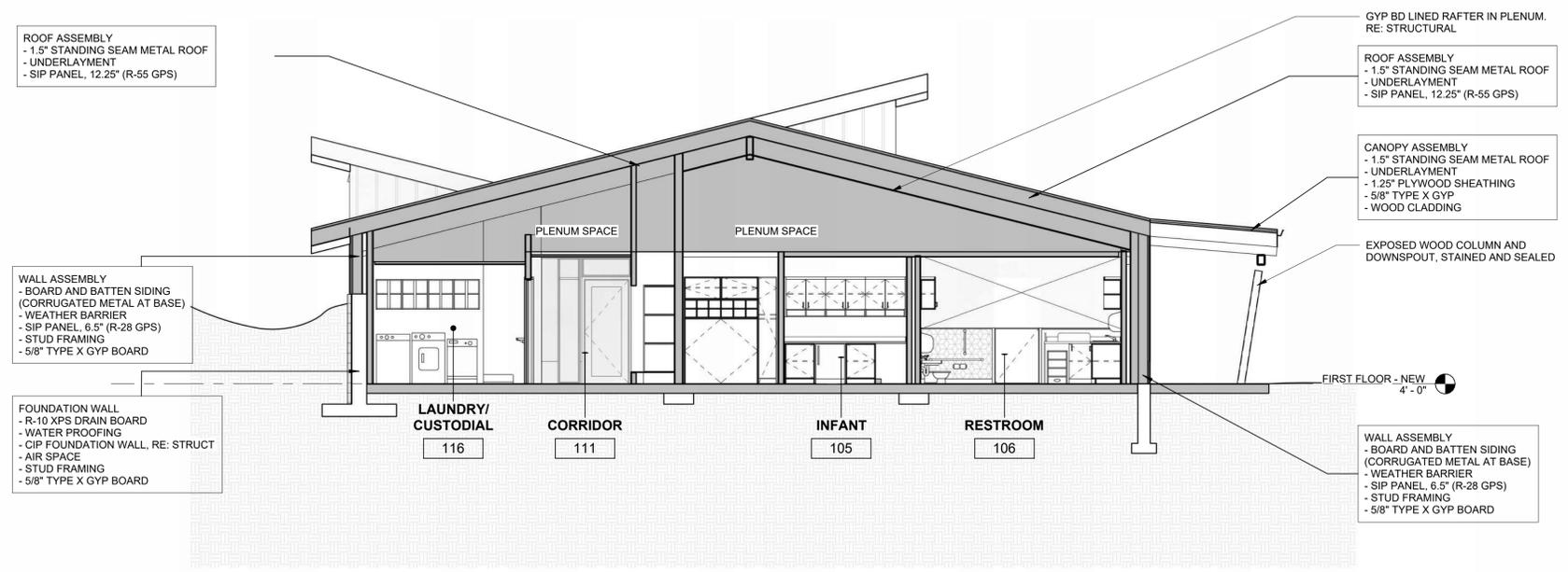
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SHEET TITLE
BUILDING SECTIONS

SHEET NO.
A303



A4 BUILDING SECTION 5
3/16" = 1'-0"

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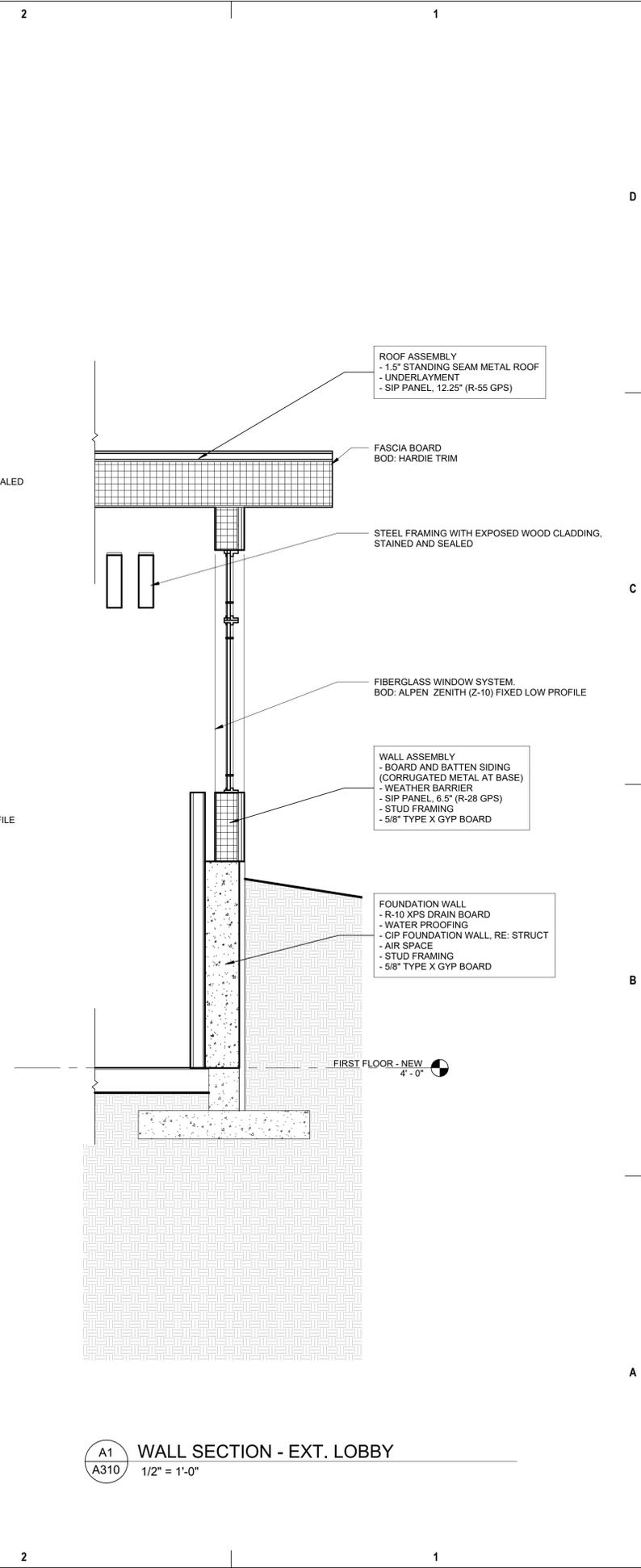
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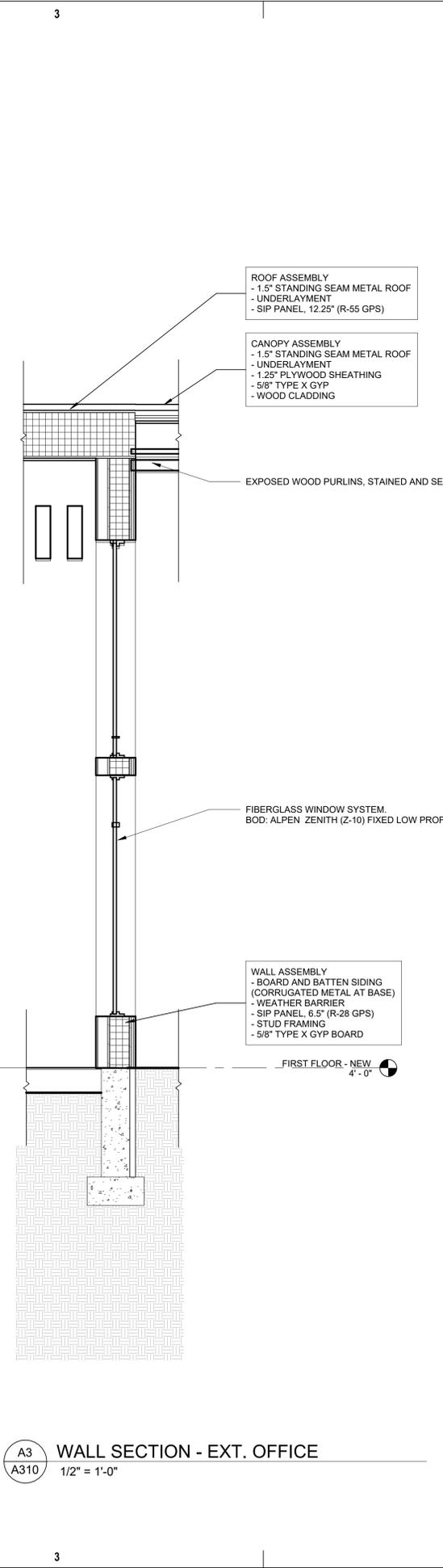
QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
WALL SECTIONS

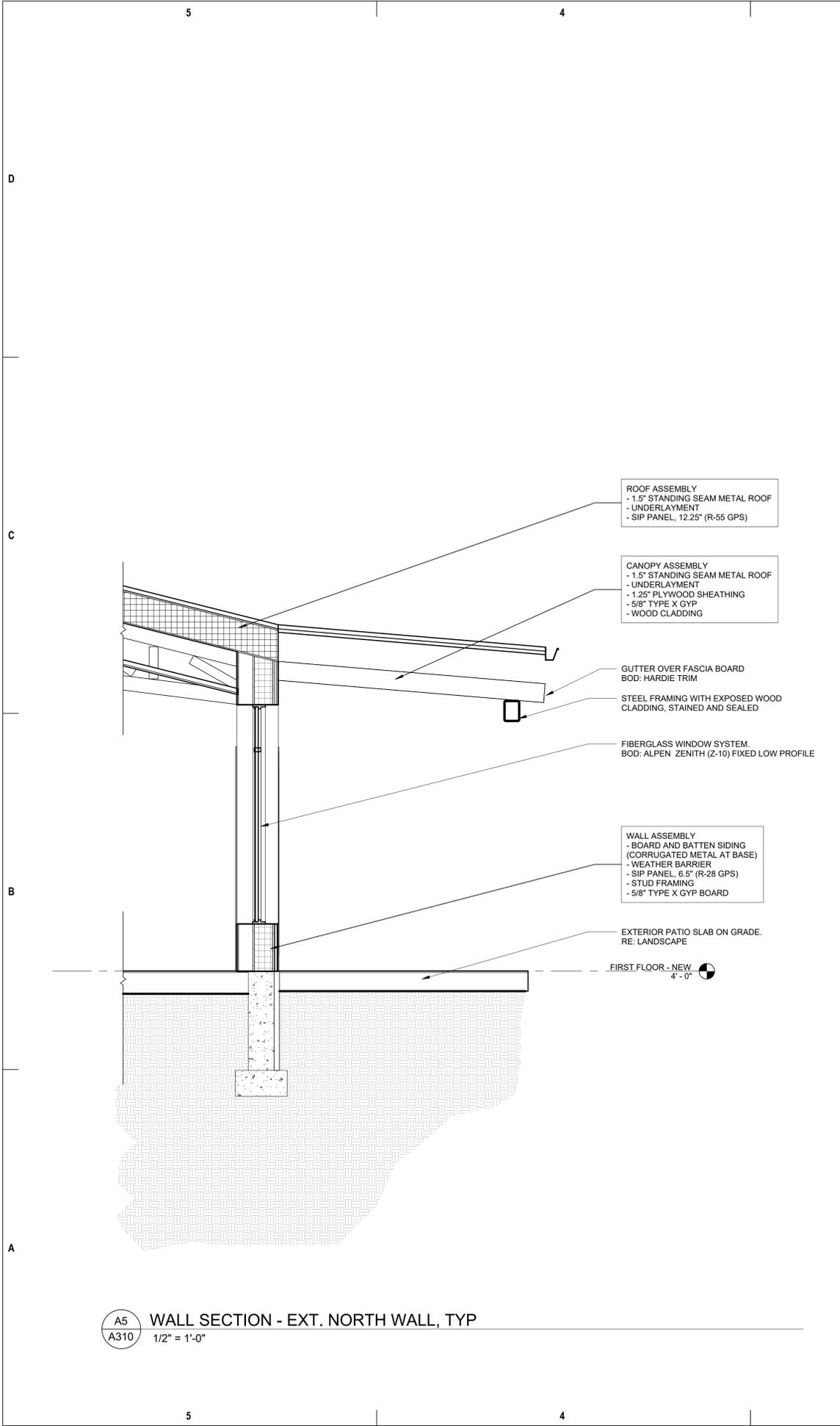
SHEET NO.
A310



A1 WALL SECTION - EXT. LOBBY
A310 1/2" = 1'-0"



A3 WALL SECTION - EXT. OFFICE
A310 1/2" = 1'-0"



A5 WALL SECTION - EXT. NORTH WALL, TYP
A310 1/2" = 1'-0"

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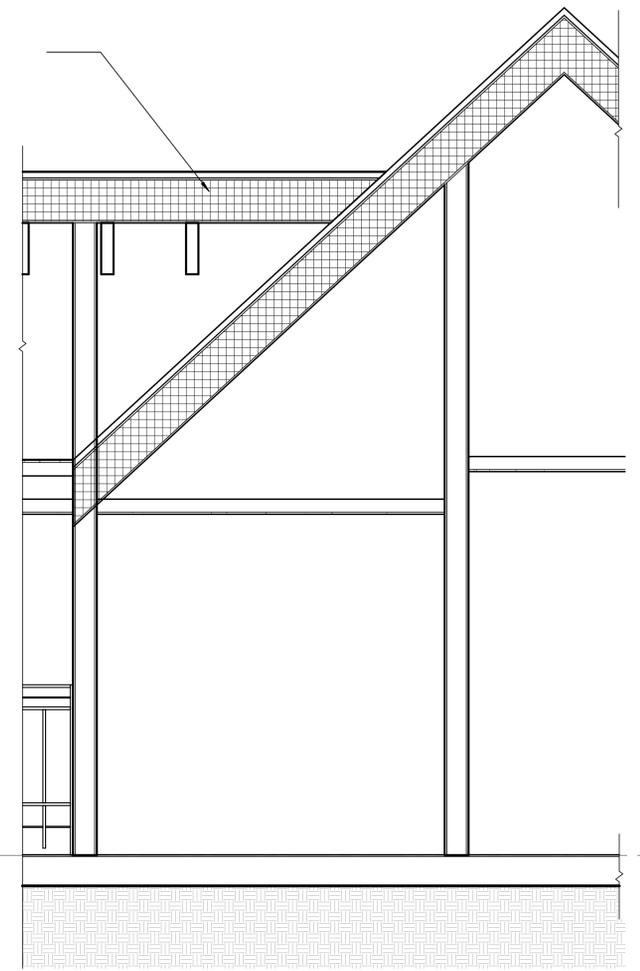
REVISIONS

QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
WALL SECTIONS

SHEET NO.
A311

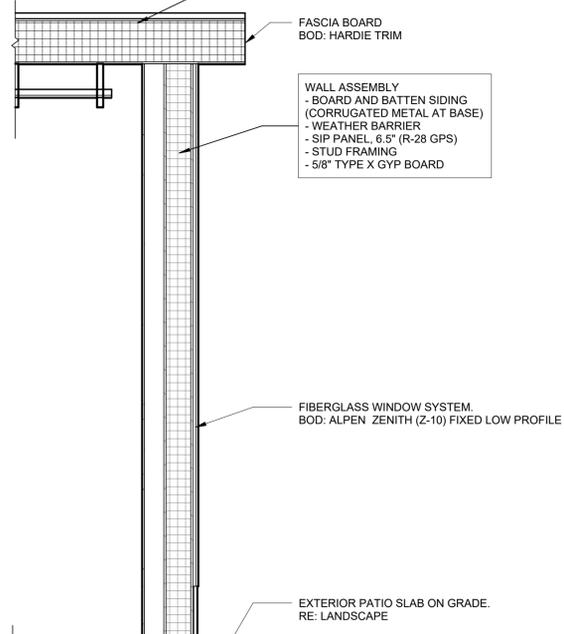
ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)



A5 WALL SECTION - GABLE JOIN CONDITION
A311 1/2" = 1'-0"

ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)

WALL ASSEMBLY
- BOARD AND BATTEN SIDING
(CORRUGATED METAL AT BASE)
- WEATHER BARRIER
- SIP PANEL, 6.5" (R-28 GPS)
- STUD FRAMING
- 5/8" TYPE X GYP BOARD



A3 WALL SECTION - EXT. WEST DOOR
A311 1/2" = 1'-0"

ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)

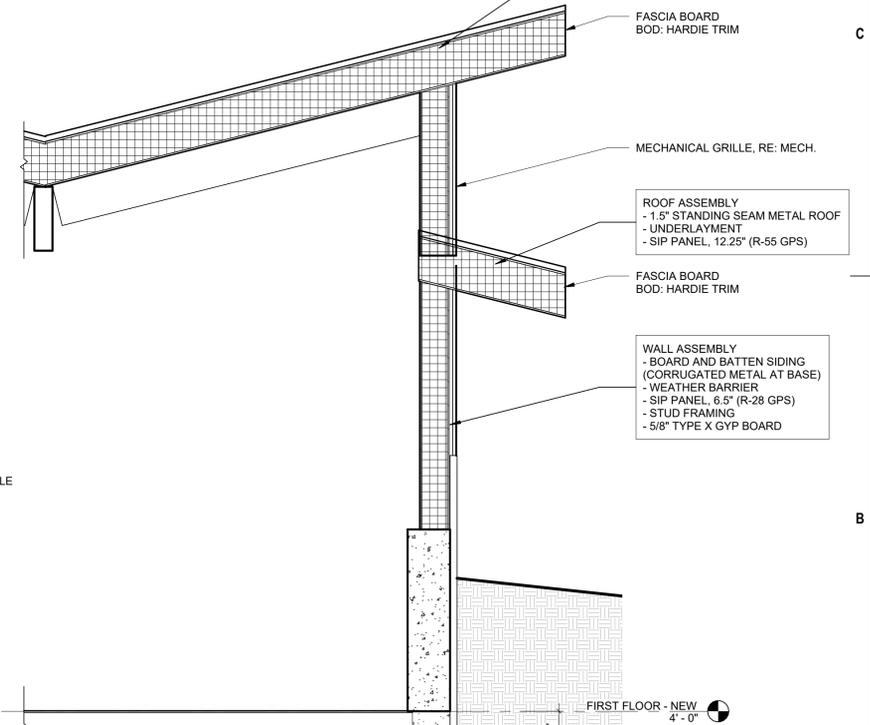
FASCIA BOARD
BOD: HARDIE TRIM

MECHANICAL GRILLE, RE: MECH.

ROOF ASSEMBLY
- 1.5" STANDING SEAM METAL ROOF
- UNDERLAYMENT
- SIP PANEL, 12.25" (R-55 GPS)

FASCIA BOARD
BOD: HARDIE TRIM

WALL ASSEMBLY
- BOARD AND BATTEN SIDING
(CORRUGATED METAL AT BASE)
- WEATHER BARRIER
- SIP PANEL, 6.5" (R-28 GPS)
- STUD FRAMING
- 5/8" TYPE X GYP BOARD



A1 WALL SECTION - EXT. SOUTH WALL, LOUVER
A311 1/2" = 1'-0"

FIRST FLOOR - NEW
4'-0"

FIRST FLOOR - NEW
4'-0"

FIRST FLOOR - NEW
4'-0"

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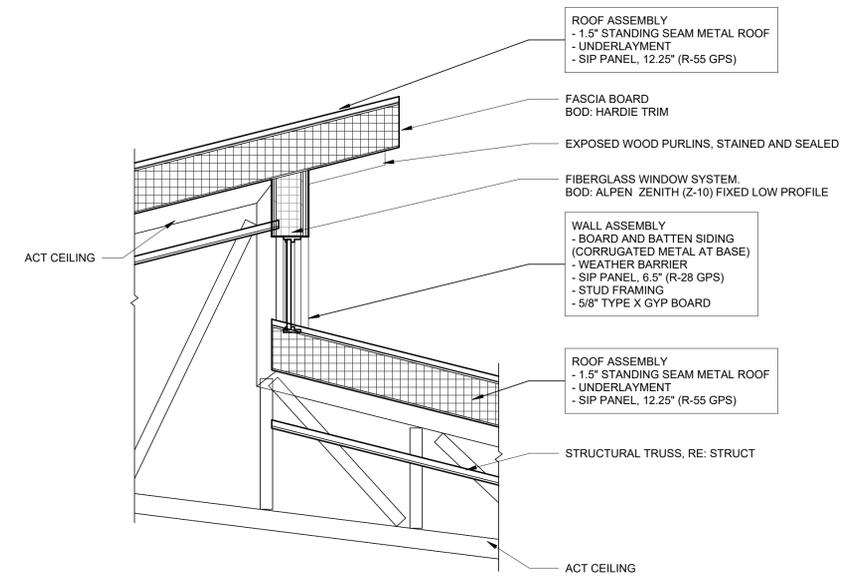
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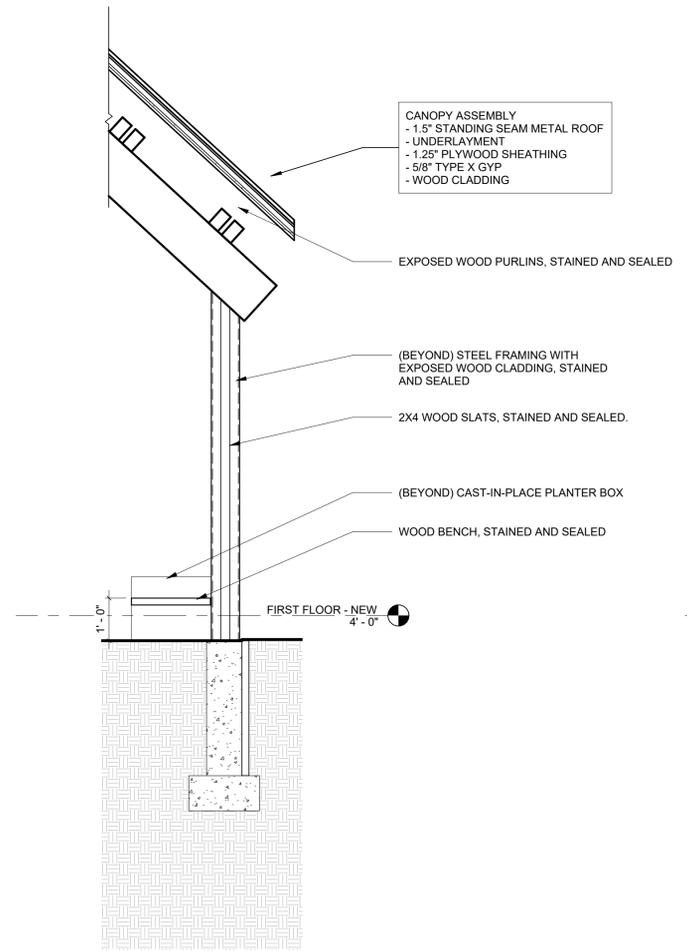
SHEET TITLE
WALL SECTIONS

SHEET NO.
A312



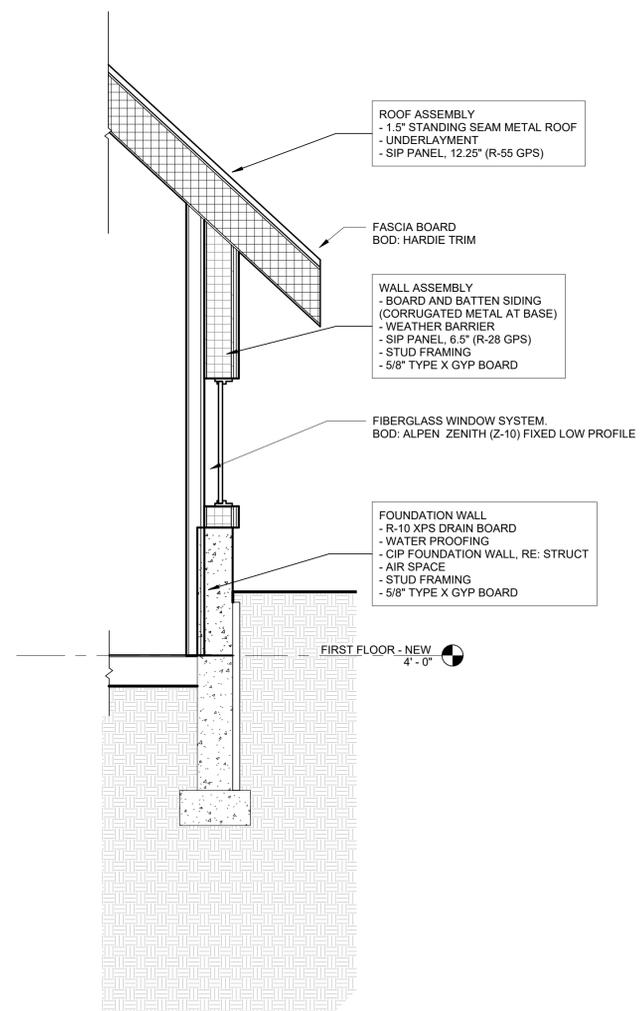
FIRST FLOOR - NEW
4'-0"

A1 WALL SECTION - TYPICAL DORMER
A312 1/2" = 1'-0"



FIRST FLOOR - NEW
4'-0"

A3 WALL SECTION - EXT. CANOPY WALL, TYP
A312 1/2" = 1'-0"

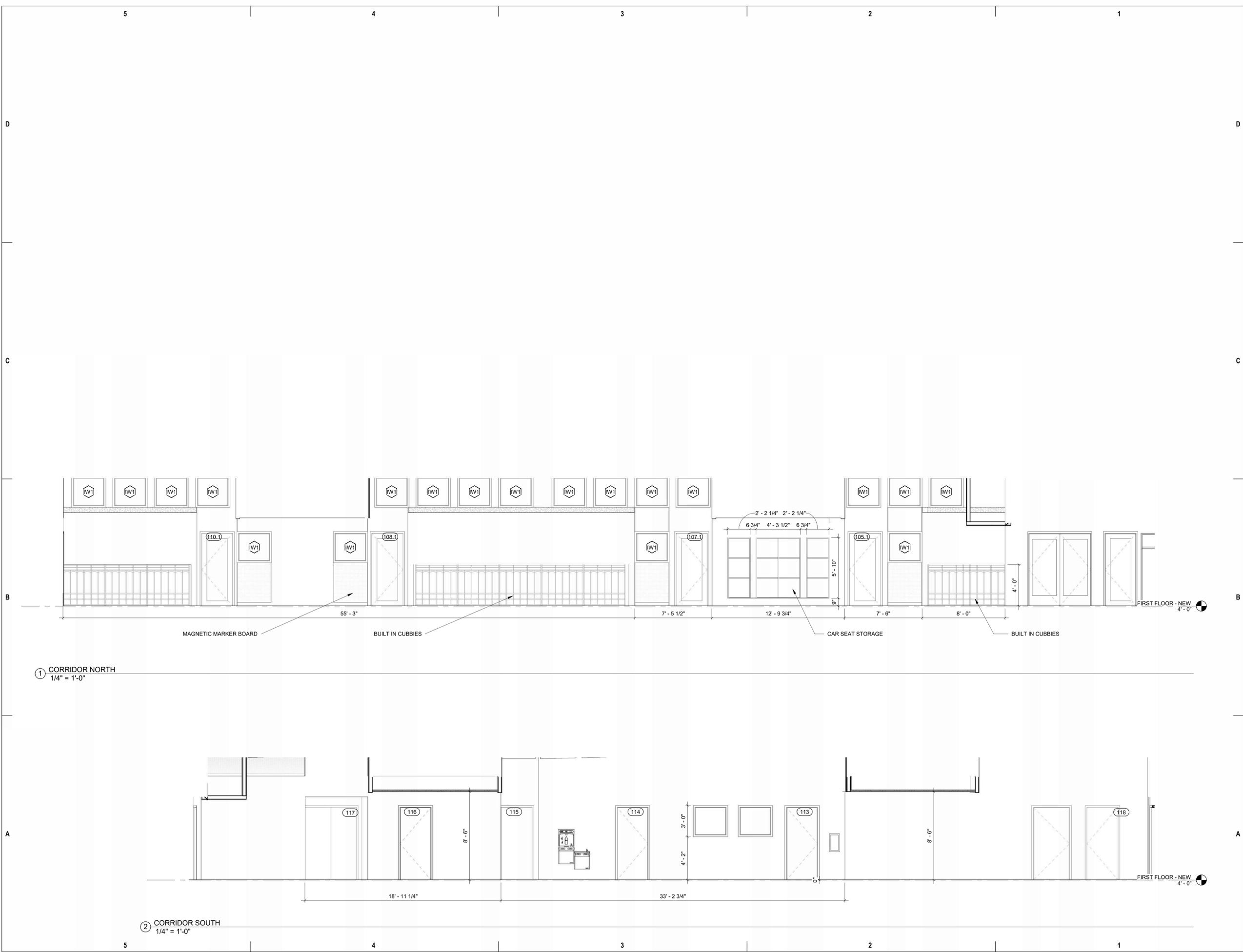


FIRST FLOOR - NEW
4'-0"

A5 WALL SECTION - EXT. EAST WALL, TYP
A312 1/2" = 1'-0"

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SHEET TITLE: INTERIOR ELEVATIONS

SHEET NO: A420

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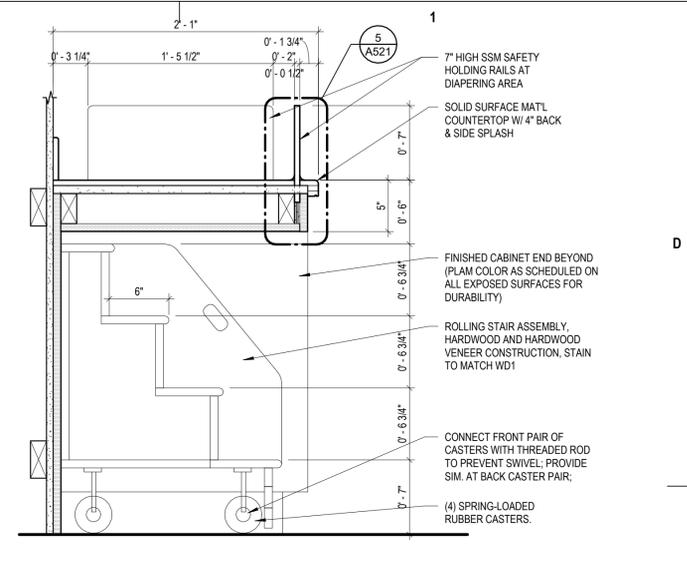
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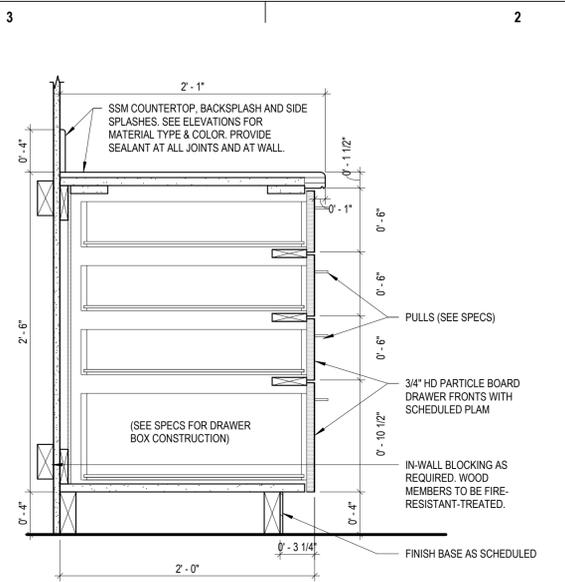
SHEET TITLE
CASEWORK &
MILLWORK DETAILS

SHEET NO.
A520

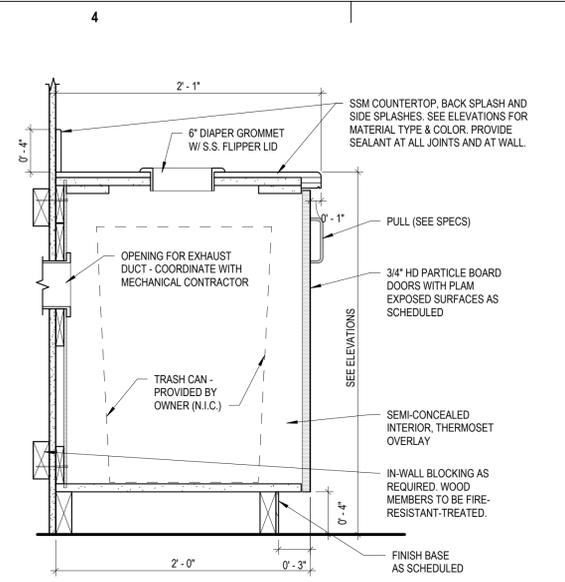
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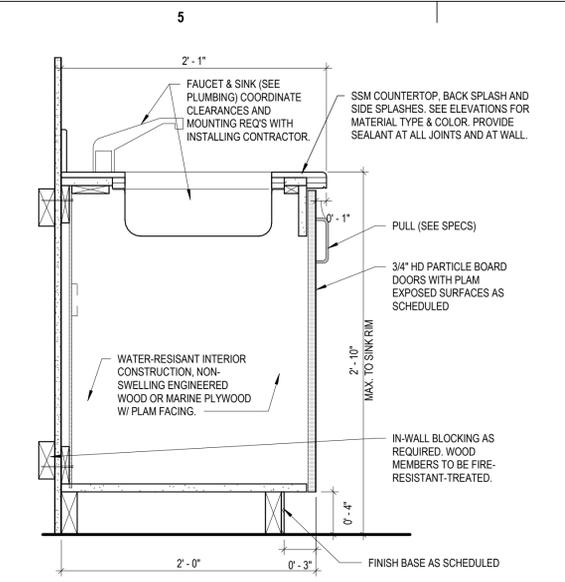
D5 CHILD STAIR
1 1/2" = 1'-0"



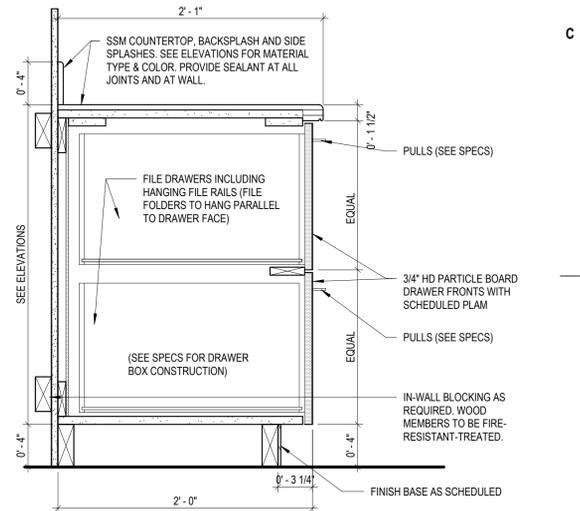
D4 BASE CABINET @ DRAWERS
1 1/2" = 1'-0"



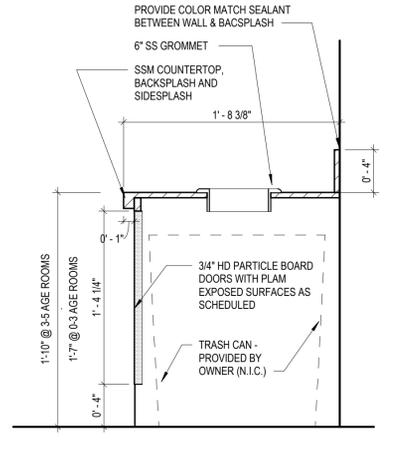
D3 BASE CABINET @ DIAPER DROP
1 1/2" = 1'-0"



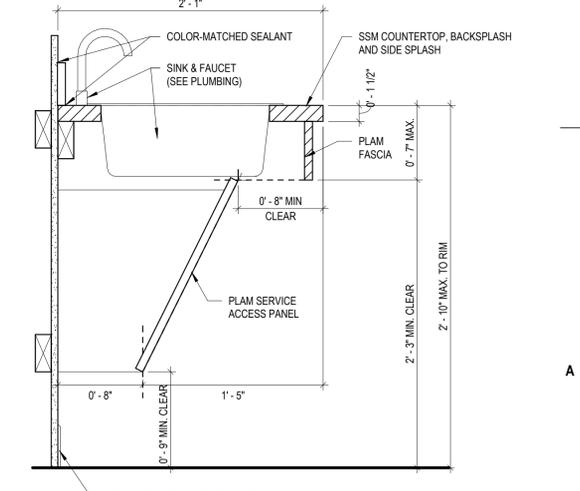
D2 BASE CABINET @ SINK
1 1/2" = 1'-0"



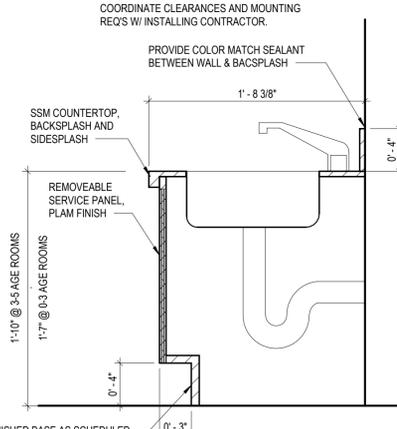
B5 BASE CABINET WITH FILING CABINET
1 1/2" = 1'-0"



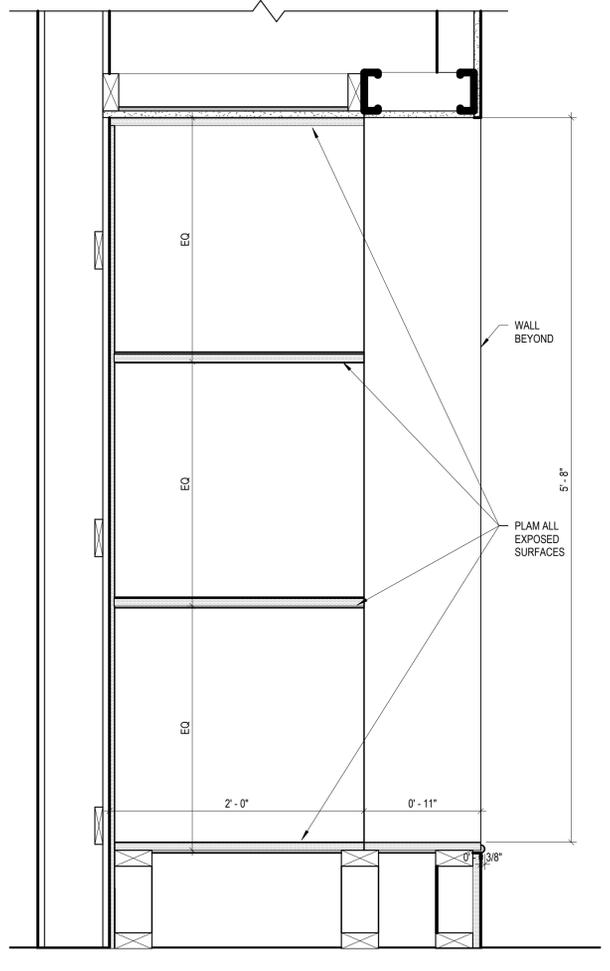
B4 ACTIVITY SINK TRASH COMPARTMENT
1 1/2" = 1'-0"



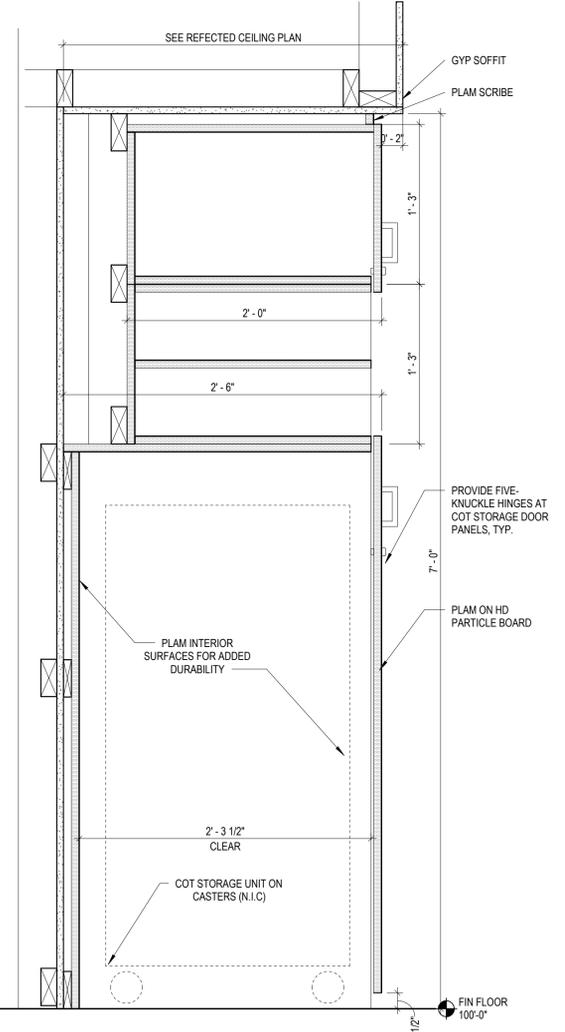
A6 SINK ADA SECTION
1 1/2" = 1'-0"



A4 ACTIVITY SINK
1 1/2" = 1'-0"



A3 CAR SEAT CUBBIES
1 1/2" = 1'-0"



A1 COT STORAGE
1 1/2" = 1'-0"

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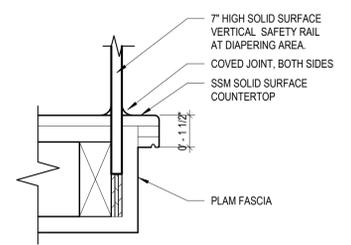
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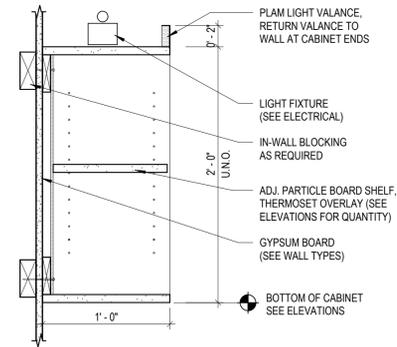
QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
CASEWORK &
MILLWORK DETAILS

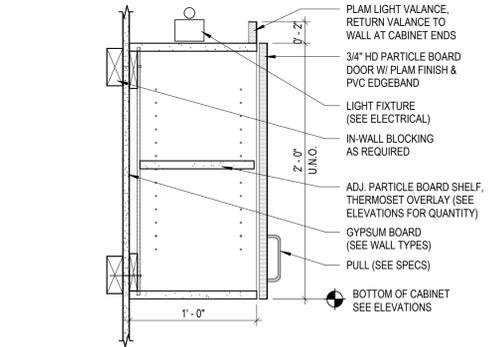
SHEET NO.
A521



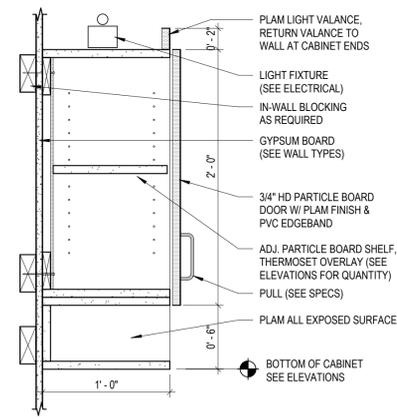
5 HOLDING RAIL DETAIL
3\"/>



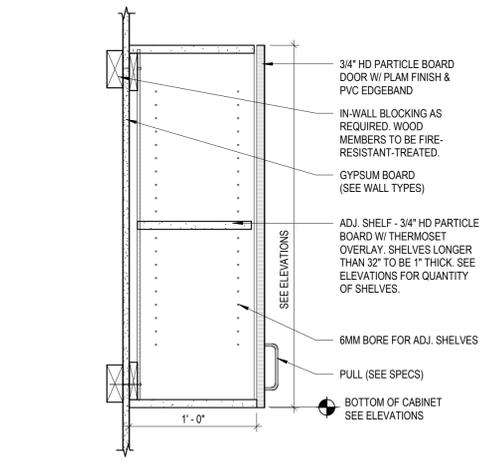
4 UPPER OPEN CABINET W/ LIGHT
1 1/2\"/>



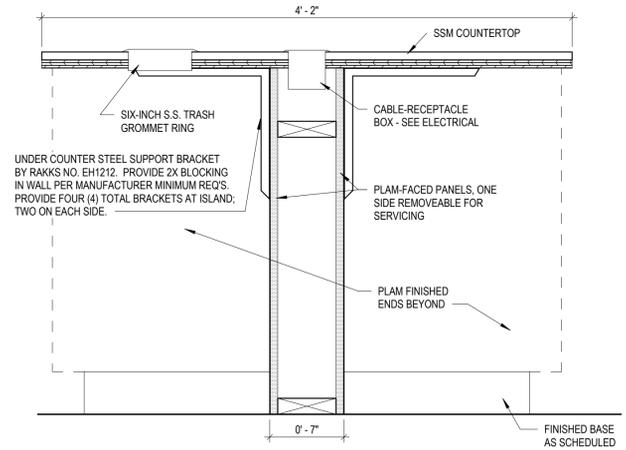
2 UPPER CABINET WITH LIGHT
1 1/2\"/>



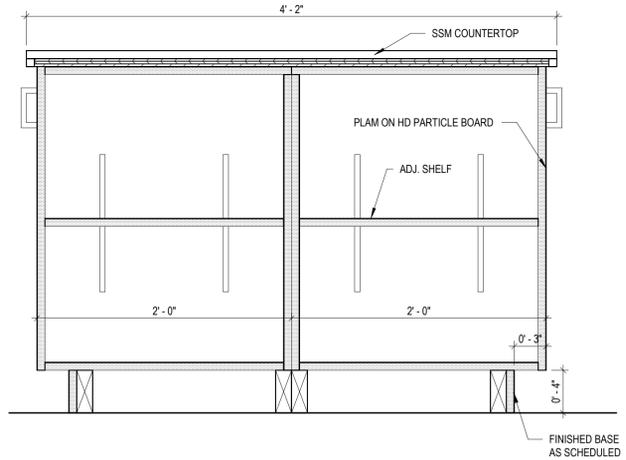
3 UPPER CABINET W/ CUBBIE
1 1/2\"/>



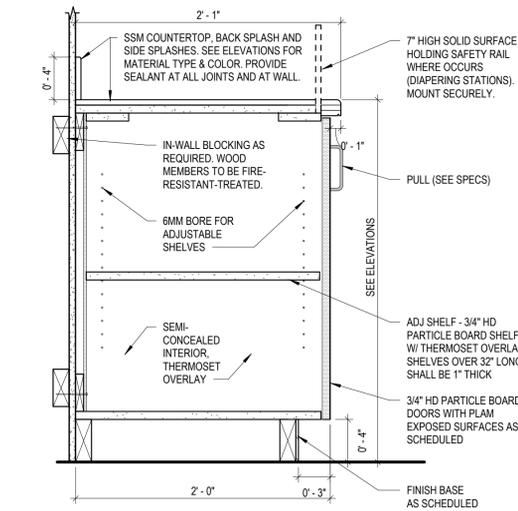
1 UPPER CABINET (TYP.)
1 1/2\"/>



8 ISLAND W/ KNEE SPACE
1 1/2\"/>



7 ISLAND W/ BASE CABINETS
1 1/2\"/>



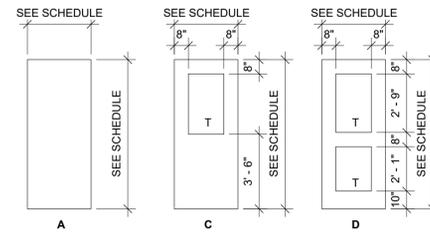
6 BASE CABINETY (TYP.)
1 1/2\"/>

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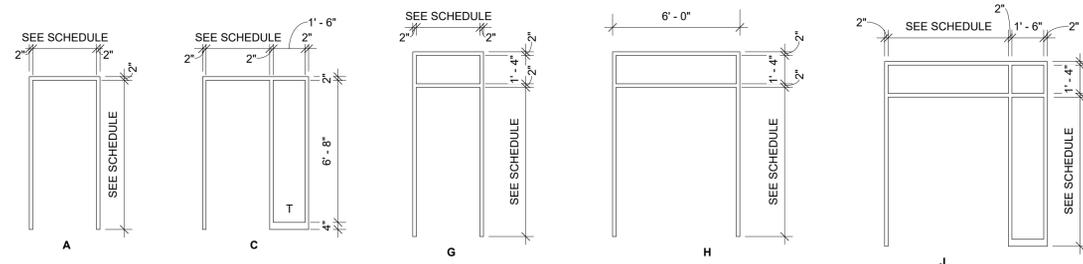
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DOOR SCHEDULE

DOOR #	ROOM NAME	# OF PANE LS	DOOR			FRAME			Rating	COMMENTS
			WIDTH	HEIGHT	THICKNES S	MATERIAL	TYPE	MATERIAL		
101		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
102	CLOSET	1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
102A	CLOSET	1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
103										
104		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
105										
105.1		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
105.2		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
106.1	TODDLER / INFANT RESTROOM	1	3'-0"	3'-0"	0' - 1 3/4"	WD	?	WD		HALF HEIGHT DOOR.
106.2	TODDLER / INFANT RESTROOM	1	3'-0"	3'-0"	0' - 1 3/4"	WD	?	WD		HALF HEIGHT DOOR.
107.1		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
107.2		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
108.1		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
108.2		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
109.1	PRE-K RESTROOM	1	3'-0"	3'-0"	0' - 1 3/4"	WD	?	WD		HALF HEIGHT DOOR.
109.2	PRE-K RESTROOM	1	3'-0"	3'-0"	0' - 1 3/4"	WD	?	WD		HALF HEIGHT DOOR.
110.1		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
110.2		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
112		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
113		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
113A		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
114		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
115		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
116		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		
117										
118		1	3'-0"	7'-0"	0' - 1 3/4"	WD	A	WD		



DOOR TYPES



DOOR FRAME TYPES

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PROJECT NUMBER
2023-07
DATE
07/12/2024
ISSUED FOR:
50% DESIGN DEVELOPMENT

REVISIONS

QA/QC APPROVAL: TAM
DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
DOOR SCHEDULE AND TYPES

SHEET NO
A530

**Snowmass Little Red Schoolhouse
ECE**
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

NOT FOR CONSTRUCTION

PARTITION TYPES LEGEND

MATERIAL DESIGNATION
M = MASONRY UNITS
C = CONCRETE
W = WOOD
S = STEEL
G = GLASS

RATING DESIGNATION
0 = NON-RATED
1 = 1 HR RATED
2 = 2 HR RATED

MATERIAL WIDTH (NOMINAL)

LAYERS OF GYPSUM BOARD PER SIDE

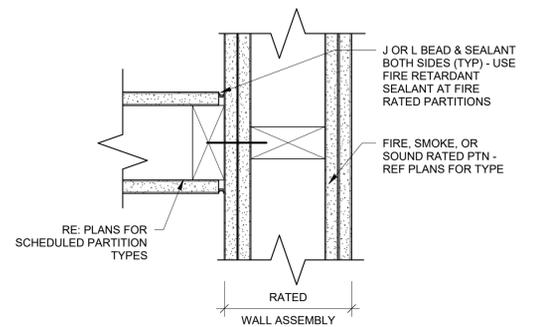
PROPERTIES DESIGNATION
A = ACOUSTIC
S = SMOKE
AS = ACOUSTIC / SMOKE

HEIGHT OF PARTIAL HEIGHT WALLS

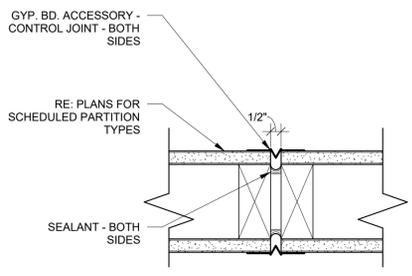
#X#-#.#X
X' - X" A.F.F.

PARTITION TYPES NOTES

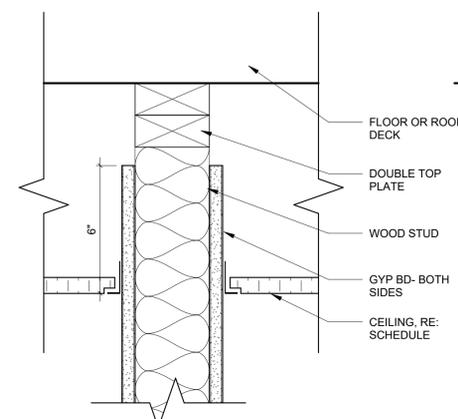
- PARTITION TYPES ARE INDICATED ON THE FLOOR PLANS.
- ALL PARTITIONS SHALL EXTEND STRUCTURE TO STRUCTURE UNLESS NOTED OTHERWISE.
- CONSTRUCTION OF FIRE-RATED PARTITIONS, INCLUDING TAPING AND FINISHING OF GYP. BD. FOR FULL HEIGHT TO STRUCTURE ABOVE, SHALL BE IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS TO ACHIEVE THE RATING INDICATED.
- SOUND ISOLATION PARTITIONS SHALL BE SEALED AIRTIGHT FOR FULL HEIGHT TO PREVENT PASSAGE OF AIRBORNE SOUND. TAPE AND FINISH ALL GYP. BD. JOINTS AND FASTENERS. PROVIDE SEALANT AT PERIMETER AND AT ALL PENETRATIONS.
- PROVIDE FIRE-RETARDANT TREATED WOOD BLOCKING FOR PARTITION MOUNTED EQUIPMENT AND CASEWORK.
- PARTITION TYPES DESCRIBE THE PRIMARY MEMBER AND SHEATHING. REFER TO FINISH SCHEDULE FOR ALL PARTITION FINISH DESIGNATIONS.
- PROVIDE TYPE 'WR' WATER RESISTANT GYP. BD. IN ALL WET AREAS SUCH AS TOILET, LOCKER, AND SHOWER ROOMS. PROVIDE 5/8" CONCRETE BACKER BOARD AT ALL CERAMIC TILE FINISHES TO ALIGN WITH 5/8" TYPE 'WR' GYP. BD. ABOVE.
- PROVIDE SLIP JOINT CONNECTIONS AT THE TOPS OF ALL PARTITIONS WHICH INTERSECT THE STRUCTURE ABOVE. PROVIDE FIRE STOPPING AT ALL SLIP JOINT CONNECTIONS IN FIRE RATED PARTITIONS.
- ALL PARTITIONS TO BE PARTITION TYPE AW6-1.1 (6" WOOD STUD WITH SOUND ATTENUATION INSULATION AND (1) LAYER OF 5/8" GYP. BD. ON BOTH SIDES) AND SHALL EXTEND STRUCTURE TO STRUCTURE, UNLESS NOTED OTHERWISE WITH A PARTITION TYPE TAG. THIS DEFAULT PARTITION TYPE IS NON-RATED. THIS SAME PARTITION TYPE IN A RATED CONDITION IS TAGGED ON THE FLOOR PLANS.
- PROVIDE GYP. BD. CONTROL JOINTS WHERE DESIGNATED ON THE INTERIOR ELEVATIONS (A-400 SHEETS) AND ANYWHERE THERE IS A CONTINUOUS RUN OF GYP. BD. THAT IS GREATER THAN 30'-0" IN LENGTH. CONFIRM THE LOCATION OF ADDITIONAL CONTROL JOINTS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- DIMENSIONS TO EXISTING CONSTRUCTION ARE TO FINISH SURFACE. DIMENSIONS TO NEW CONSTRUCTION ARE TO FACE OF STRUCTURE UNLESS NOTED OTHERWISE. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK. NOTIFY ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS.
- REFER TO INTERIOR ELEVATIONS FOR FINISH.



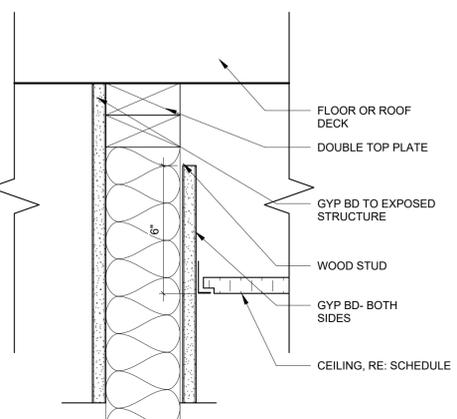
PLAN DETAIL @ RATED PARTITION INTERSECTION



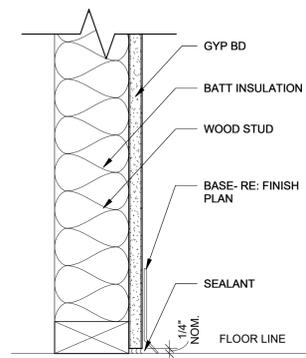
PLAN DETAIL - NON-RATED CONTROL JOINT



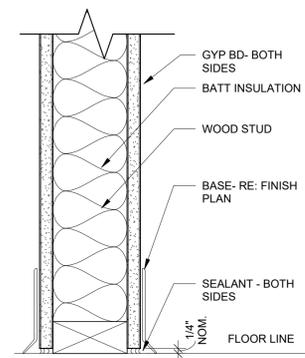
NON-RATED PARTITION HEAD
SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD. (2 LAYERS SHOWN)



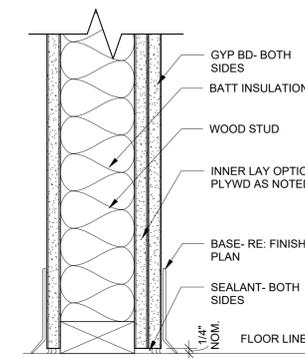
NON-RATED PARTITION HEAD
SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD. (2 LAYERS SHOWN)



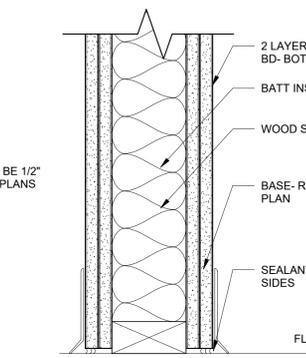
#W4-0.1 PARTITION
WITH 4" WOOD STUD
PARTITION WIDTH = 4-1/8"



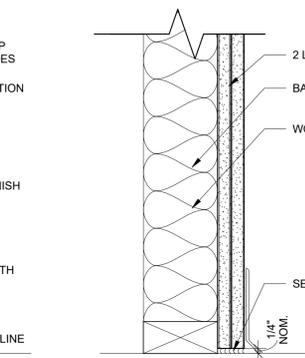
#W4-1.1 PARTITION
WITH 4" WOOD STUD
PARTITION WIDTH = 4-3/4"
STC: 33



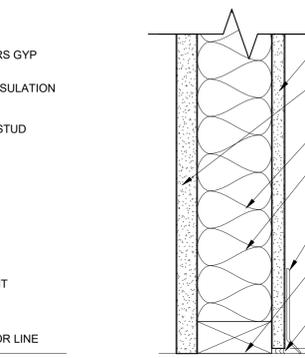
#W4-1.2 PARTITION
WITH 4" WOOD STUD
PARTITION WIDTH = 5-3/8"
STC: 40



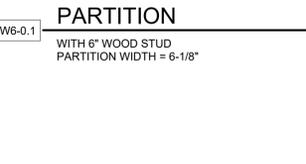
#W4-2.2 PARTITION
WITH 4" WOOD STUD
PARTITION WIDTH = 6"
STC: 42



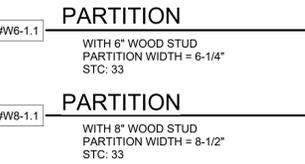
#W4-0.2 PARTITION
WITH 4" WOOD STUD
PARTITION WIDTH = 6-3/4"



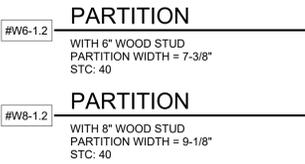
#W4-X.1 PARTITION
WITH 4" WOOD STUD
PARTITION WIDTH = 5-1/8"
STC: 50



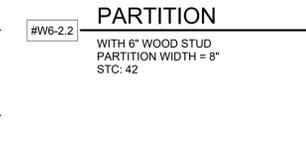
#W6-0.1 PARTITION
WITH 6" WOOD STUD
PARTITION WIDTH = 6-1/8"



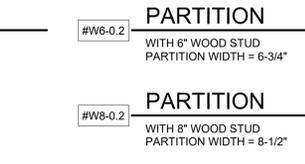
#W6-1.1 PARTITION
WITH 6" WOOD STUD
PARTITION WIDTH = 6-1/4"
STC: 33



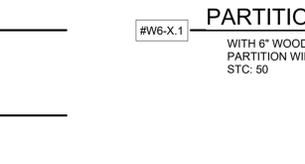
#W6-1.2 PARTITION
WITH 6" WOOD STUD
PARTITION WIDTH = 7-3/8"
STC: 40



#W6-2.2 PARTITION
WITH 6" WOOD STUD
PARTITION WIDTH = 8"
STC: 42



#W6-0.2 PARTITION
WITH 6" WOOD STUD
PARTITION WIDTH = 6-3/4"



#W6-X.1 PARTITION
WITH 6" WOOD STUD
PARTITION WIDTH = 7-1/8"
STC: 50



#W8-1.1 PARTITION
WITH 8" WOOD STUD
PARTITION WIDTH = 8-1/2"
STC: 33



#W8-1.2 PARTITION
WITH 8" WOOD STUD
PARTITION WIDTH = 9-1/8"
STC: 40



#W8-0.2 PARTITION
WITH 8" WOOD STUD
PARTITION WIDTH = 8-1/2"



#W10-1.1 PARTITION
WITH 10" WOOD STUD
PARTITION WIDTH = 10-1/2"
STC: 33

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PROJECT NUMBER
2023-07
DATE
07/12/2024
ISSUED FOR:
50% DESIGN DEVELOPMENT

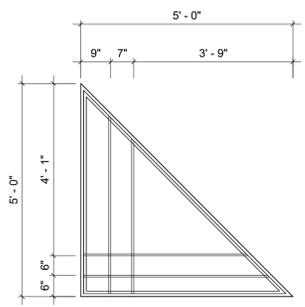
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DRAWN BY: ECM
CHECKED BY: AFA

SHEET TITLE
PARTITION TYPES

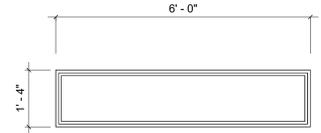
SHEET NO.
A540

EXTERIOR WINDOW SCHEDULE

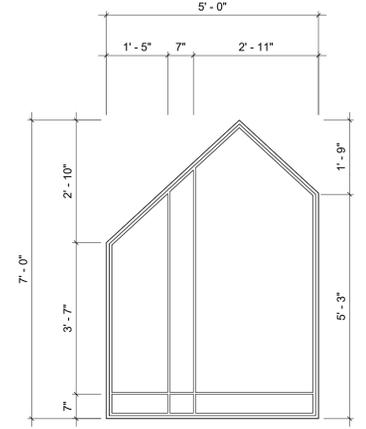
Type Mark	Count	R.O.		Frame Material	Glazing		Comments
		Width	Height		Thickness	Type	
W1	22	3'-4"	3'-0"				
W1	13	3'-0"	7'-0"				
W2	7	1'-8"	<varies>				
W3	5	3'-4"	1'-4"				
W4	16	3'-0"	2'-3"				
W5	1	2'-0"	3'-0"				
W6	1	3'-6"	4'-0"				
W7	1	3'-6"	5'-0"				
W8	1	2'-6"	5'-0"				
W9	1	5'-0"	8'-0"				
W10	1	2'-6"	3'-6"				
W11	1	5'-0"	7'-0"				
W12	1	6'-0"	1'-4"				
W13	1	5'-0"	8'-0"				



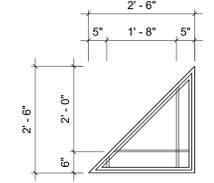
W13



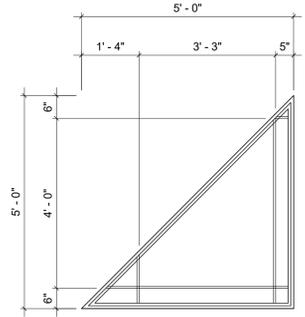
W12



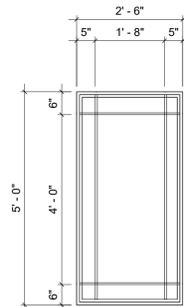
W11



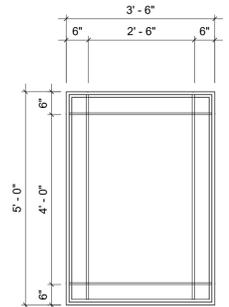
W10



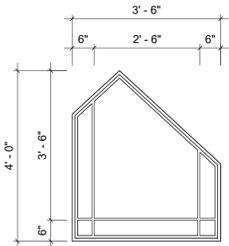
W9



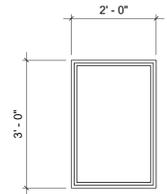
W8



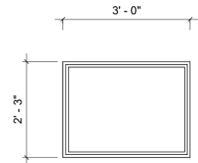
W7



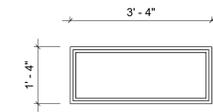
W6



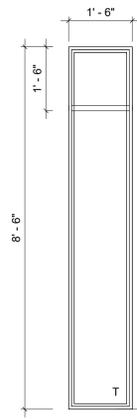
W5



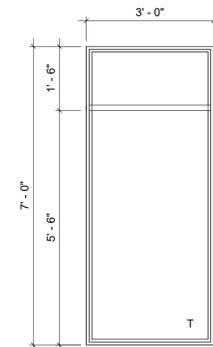
W4



W3



W2



W1

NOT FOR CONSTRUCTION

Snowmass Little Red Schoolhouse
ECE
 4598 Owl Creek Rd, Snowmass Village, CO 81615
 Town of Snowmass Village

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 PROJECT NUMBER
 2023-07
 DATE
 07/12/2024
 ISSUED FOR:
 50% DESIGN DEVELOPMENT

REVISIONS
 QACC APPROVAL: TAM
 DRAWN BY: ECM
 CHECKED BY: AFA

SHEET TITLE
 WINDOW ELEVATIONS
 AND DETAILS

SHEET NO.
 A600

SPECIAL INSPECTION GENERAL NOTES

- A statement of special inspections for structural items has been prepared by HCDA Engineering, Inc. for submission to the Building Official. This is submitted as a condition for permit issuance in accordance with the Structural Testing and Special Inspection requirements of the International Building Code, 2015 edition.
- The Structural Engineer will perform periodic observations of construction. These observations shall not replace required inspections by the Building Official. These observations also do not serve as "Special Inspections" as required by section 1704 of the International Building Code.
- Steel Fabricators shall be approved in accordance with IBC section 1704.2.5.1 of the International Building Code, 2015 Edition, or are required to have shop inspections of the fabricated items for the project by the special inspector hired by the Owner as required by section 1704.2.5.
- Special Inspectors (not third party inspectors) shall be approved individually by the Building Official prior to the issuance of a permit. Please provide the list of specific special inspectors to determine if they have already been approved. Each Special Inspector not already approved by the Building Official must provide a resume and all supporting information related to their qualifications for the specific type of special inspections in accordance with IBC 1704.2.1.

Statement of Special Inspections

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Structural Testing and Special Inspection requirements of the Building Code. It includes the schedule of Special Inspection services applicable to this project. This Statement of Special Inspections encompasses the Structural components of the building.

The Special Inspection Coordinator, Special Inspector and Testing Agency shall be approved by the owner and qualified to perform the services indicated. The Special Inspection Coordinator shall keep records of all inspections and shall furnish interim inspection reports to the Building Official (if requested) and the Project Structural Engineer. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Project Structural Engineer. The Special Inspection program does not relieve the Contractor of their responsibilities.

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the contractor.

Interim Report Frequency: Weekly or as warranted based on construction performed.

Soils

Item	Scope	Frequency	
		C	P
1. Shallow Foundations	Inspect materials below shallow foundations to verify they are adequate to achieve the design bearing capacity.		X
2. Controlled Structural Fill	Perform classification and testing of compacted fill material Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	X	
3. Excavations	Verify excavations are extended to proper depth and have reached proper material.		X

Cast-in-Place Concrete

Item	Scope	Frequency	
		C	P
1. Mix Design	Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.		X
2. Reinforcement Installation	Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters.	X	
3. Welding of Reinforcing	Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel. Inspect preheating of steel when required. Welds > 5/16"		X
4. Cast in Anchors	Inspect size, positioning and embedment of anchor rods and embedded plates, inspect concrete placement and consolidation around anchors.	X	
5. Concrete Placement	Inspect placement of concrete. Verify proper application techniques; concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	X	
6. Sampling and Testing	Test concrete compressive strength (ASTM C13 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064). Fabricate specimens for strength tests.	X	
7. Curing and Protection	Inspect curing, cold weather protection and hot weather protection procedures. Verify maintenance of specified curing temperature and techniques.	X	
8. Post-installed Anchors	8A. Inspect adhesive anchors installed horizontally or upwardly for anchor size, embedment, and installation technique.	X	
	8B. Inspect mechanical anchors for size and embedment.		X
	8C. Adhesive anchors not defined in 8A.		X
9. Formwork	Inspect formwork for shape, location and dimensions of the concrete member being formed.		X

GENERAL NOTES

- Materials and workmanship shall be in accordance with the requirements of "The International Building Code", 2015 Edition.
- Contractor shall check and verify all dimensions shown on structural drawings with those shown on architectural.
- Contractor shall notify Architect of any discrepancies between architectural and structural drawings and receive written clarification of discrepancies before proceeding with construction.
- Contractor shall field measure and verify all existing conditions and dimensions at job site.
- In case existing conditions or dimensions vary from those shown on drawing, Contractor shall notify the Architect so proper adjustments can be made.
- Special inspections shall be performed in accordance with I.B.C. Section 1704 when such inspections are required by the Building Official. Contractor shall coordinate the work schedule with the special inspectors who are selected and paid by the Owner.
- During construction, the contractor shall be responsible for temporary bracing and shoring to withstand all loads to which the structure may be subjected, including lateral loads, stockpiles of materials and equipment. Temporary bracing shall remain in place until all structural framing and diaphragms are in place with connections completed.
- Where the Structural Drawings appear to conflict with OSHA requirements, the Structural Drawings represent final conditions only; the contractor shall add all erection framing, bolts, stabilizer plates, etc. as may be necessary to comply with OSHA.
- If discrepancy discovered in documents, more stringent criteria governs. Notify Engineer prior to installation.

FOUNDATION GENERAL NOTES

- Recommendations for foundation type and design criteria, including bearing pressures, were provided by "Subsoil Study for Foundation Design Proposed Expansion of The Little Red School House: 4598 Owl Creek Road, Snowmass Village, Colorado, Project No. 23-7-450", dated September 25, 2023, by Kumar & Associates, Inc., a separate consultant to the Owner.
- Maximum bearing pressure used in footing design: 1,500 psf.
- Reference geotechnical report for required soil conditions at footing bearing.
- The geotechnical engineer shall perform open excavation inspection prior to placing foundations to ensure bearing capacity is satisfactory.
- In case conditions found at the site vary from those indicated on the drawings, the Architect is to be notified so that adjustments to the foundation can be made to meet actual field conditions.
- All footings shall be the exact size shown on the drawings; no larger, no smaller.
- No footings or foundation walls shall be placed without adequate notification to allow Engineer to observe reinforcing if they deem necessary.
- No concrete shall be placed in excavation containing water or on frozen ground.
- Backfill shall be placed against both sides of walls simultaneously.

CONCRETE GENERAL NOTES

- Material and workmanship shall be in accordance with the requirements of "Building Code Requirements for Structural Concrete" (ACI 318-14).
- Concrete mixes shall conform to the following:
 - Mix "A" - For Footings and Foundation Elements
 - Minimum 28 day compressive strength 4,500 psi
 - Maximum Aggregate Size 3/4 inch
 - Entrained Air Content 6% ± 1 1/2%
 - Slump 4" max.
 - Fly ash may be substituted in specified amounts this mix. Water / Cement ratio 0.45 max.
 - Mix "B" - For Slab-on-Grade (Interior)
 - Minimum 28 day compressive strength 4,000 psi
 - Maximum Aggregate Size 3/4 inch
 - Entrained Air Content 3% max.
 - Water Reducing Admixture per manufacturer recommendations
 - Slump 4" max.
 - Fly ash may be substituted in specified amounts this mix. Minimum of 540lbs of cementitious material per cubic yard
 - Water / Cement ratio 0.42 max.
 - Mix "C" - For Site Concrete
 - Minimum 28 day compressive strength 4,500 psi
 - Maximum Aggregate Size 3/4 inch
 - Entrained Air Content 6% ± 1 1/2%
 - Water Reducing Admixture per manufacturer recommendations
 - Slump 4" max.
 - Water / Cement ratio 0.45 max.
- These are minimum requirements. Final mix design shall comply with local jurisdiction's requirements.
- All cement used in concrete shall be Type I/L.
- All concrete shall have a minimum cementitious materials content of 470 lbs. per cubic yard unless otherwise specified.
- Calcium Chloride shall not be added to concrete.
- Reinforcing bars shall conform to ASTM A-615, Grade 60 or ASTM A-706.
- Bar bending details and placing drawings shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315, latest edition).
- Fly ash may be added for up to 25% of cementitious materials by weight where indicated in the mix design.
- Where welded reinforcement or deformed bar anchors are indicated on the drawings and steel specifications, welding shall conform to "Structural Welding Code - Reinforcing Steel". AWS D1.4 latest edition of The American Welding Society. Use ASTM A-706 where reinforcement is welded.
- Provide bar supports and spacers to place all bars in proper location, and wire adequately at intersections to hold bars firmly in position while concrete is placed. Vertical dowels shall be supported in place prior to placing concrete.
- Bar supports and spacers which rest on or against exposed surface shall be hot dipped galvanized or plastic coated.
- Continuous bars shall lap and dowels shall project adequately to provide a Class B splice but not less than 12" unless shown otherwise on drawings. Do not splice near maximum stress locations.
- See architectural, mechanical and electrical drawings for additional openings, depressions, curbs, floor finishes, inserts and other embedded items.
- Welded wire fabric shall conform to ASTM A-185 and shall lap a minimum of one full mesh plus 2" at side and end laps and shall be securely wired together, unless otherwise shown.
- Slagger lap splices of horizontal bars in concrete walls.
- Reinforcing bar sizes shown are English designation. The bars may be furnished with the equivalent metric markings:

English	#3	#4	#5	#6	#7	#8	#9	#10	#11
Metric	#10	#13	#16	#19	#22	#25	#29	#32	#36

TYPICAL MINIMUM REINFORCING BAR LAP LENGTHS

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BARS	24	32	39	46	67	77	86	97	107
OTHER BARS	18	24	30	35	51	59	66	74	82

* "Top Bars" are any horizontal reinforcing bars so placed that more than 12" of fresh concrete is cast in the member below the splice.

MASONRY GENERAL NOTES

- Grout shall be proportioned by volume and shall have sufficient water added to produce consistency for pouring without segregation.
 - Fine grout shall be composed of one part portland cement, to which may be added not more than one-tenth part hydrated lime or lime putty, and two and one fourth to three parts sand.
 - Coarse grout shall be composed of one part portland cement, to which may be added not more than one-tenth part hydrated lime or lime putty, and two to three parts sand, and not more than two parts gravel.
 - Transit-Mixed Grout for masonry:
 - Minimum 28-day compressive strength : 2000 psi
 - Aggregate size: 3/8 inch maximum
 - Slump: 7 inch minimum, 10 inch maximum
- Coarse grout may be used in grout spaces in brick masonry 2 inches or more in horizontal dimension, and in grout spaces in filled-cell construction 3 inches or more in both horizontal dimensions.
- Reinforcing steel shall conform to ASTM A-615, Grade 60 or ASTM A-706.
- Reinforcing bars shall be lapped 50 bar diameters minimum at #6 bars or less and 60 bar diameters minimum at #7 bars when spliced. All vertical bar lengths to be 4'-8" plus required lap.
- When a foundation dowel does not line up with the vertical core to be reinforced, it shall not be bent over, but shall be grouted into a core in direct vertical alignment, even though it is in an adjacent cell to the vertical wall reinforcing.
- Vertical reinforcing bars shall be held in position at top and bottom. All debris and projecting mortar shall be cleaned out before pouring grout.
- Files shall be used to clean up reinforcement to maintain a continuous unobstructed cell area not less than 2" x 3".
- Cells containing reinforcing shall be solidly filled with grout in pours not to exceed 4'-8" and pours shall be stopped 1-1/2" below the top of a course to form a key at pour joints. Grout lifts may exceed 4'-8" if "high-lift" grouting requirements are followed.
- Grout shall be consolidated by mechanical vibration during placing before loss of plasticity in a manner to fill grout space. Grout pours greater than 12 inches shall be reconsolidated by mechanical vibration to minimize voids due to water loss. Grout pours 12 inches or less in height shall be mechanically vibrated, or puddle.
- Mortar for all exterior walls and bearing walls shall be Type S.
- Specified Compressive Strength, fm, of concrete masonry shall be 1900 psi at the age of 28 days. (FOR IBC 2015)
- Brick masonry units minimum 1'm shall be 1900 psi.
- Where other reinforcing is not required by the drawings, provide one #5 bar at all sides of, and adjacent to, every opening which exceeds 24" in either direction. Extend vertical bars full height of wall. Extend horizontal bars 24" beyond each side of opening. Where possible provide U-block immediately below and one course above the opening to hold the reinforcing in place. In double wythe or cavity walls place the reinforcing in the cavity and build solid with mortar.
- Continue bond beams minimum 2'-0" around corners. Where bond beam steps, lap bond beam courses minimum 2'-0".
- All concrete block below grade shall be grouted solid.
- Continue bond beam reinforcing through masonry control joints.
- See Architectural drawings and specifications for horizontal joint reinforcing and other masonry reinforcing not shown on structural drawings.

STRUCTURAL STEEL GENERAL NOTES

- All steel shall conform to the "Standard Specification for Structural Steel" ASTM Designation A572, Grade 50, or ASTM A592, latest edition, except where noted otherwise. Angles, channels, and plates shall conform to ASTM A36; Round hollow structural steel sections shall conform to ASTM A500, Fy = 42 ksi; Square or rectangular hollow structural sections shall conform to ASTM A500, Grade B, Fy = 46 ksi. Pipe shall conform to ASTM A53, Grade B, Fy = 35 ksi. Threaded rod and anchor rods shall conform to ASTM F1554 Gr. 36
- All detailing, fabrication and erection shall conform to AISC "Specification for Structural Steel Buildings", and the AISC "Code of Standard Practice for Steel Buildings and Bridges", latest edition, and "Load and Resistance Factor Design Specification for Structural Steel Buildings" when applicable.
- This structure contains "non-self-supporting steel frames" per AISC definition. The contractor shall coordinate the installation of all necessary temporary bracing which shall remain in place until the lateral support system is constructed and connected to the framing.
- Beam connections not shown on the details shall be designed by the steel fabricator in accordance with Tables 10-1, 10-2, 10-3, and 10-4 of the AISC "Manual of Steel Construction", Fourteenth Edition. Beam reactions not shown on plans or details shall be computed from the design loads shown on the drawings.
- Shop connections shall be welded unless noted otherwise.
- Field connections shall be made with 3/4" diameter ASTM A325 High Strength Bolts. Connections shall be bearing-type tightened to a "snug-tight" condition unless noted as "Tension Controlled". Connections utilizing "Tension Controlled" bolts shall be pretensioned but do not require faying surface preparation unless noted otherwise.
- High strength bolted connections shall conform to the "Specification for Structural Joints Using ASTM A325 or A490 Bolts", approved by Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation, latest edition, endorsed by AISC. Fasteners, noted as "Tension Controlled", shall be "Load Indicator Bolts" as manufactured by Lohr, Le Jeune, or approved equal and tightened per manufacturer's specification.
- Equivalent welded connections may be substituted for bolted connections subject to Architect's approval.
- All welding shall be done by certified welding operators and shall conform to "AWS Structural Welding Code" (AWS D1.1), latest edition.
- Welding sizes not otherwise shown shall be minimum continuous 1/4 inch fillet welds, or equal to the thickness of the thinner material minimum 1/16th inch, whichever is less.
- All welding shall be done with AWS A5.1 or A5.5 E70 X8 electrodes except for welding of ASTM A706 rebar, which shall be welded using E80 electrodes.
- Areas within 2 inches of field welds shall not be painted until after welding. Field welds, bolt heads, nuts and other surfaces not shop painted and surfaces abraded during shipping and erection shall be field painted after erection.
- All structural steel exposed to view shall conform to the provisions for "Architecturally Exposed Structural Steel" in the AISC Code of Standard Practice, following AESS 3.
- All steel (except that to receive spray-on fireproofing) shall receive one shop coat of metal primer or equal conforming to Steel Structures Painting Council Specification (SSPC No. 15).

TIMBER GENERAL NOTES

- All wood framing shall conform to the "National Design Specification for Wood Construction", latest edition, recommended by the "National Forest Products Association".
- Sawn lumber framing members shall conform to the following species and grades: (Spruce-Pine-Fir #2 or better or Hem-Fir #2 or better).
- All Plywood Web Joists shall be "TJI" as manufactured by Weyerhaeuser, or "BCI" as manufactured by Boise Cascade. See plan for required joist series.
- Lumber for all glue laminated bending members ("Glu-Lam Beams") shall be combination 24F-V8 or better and for all glue laminations compression members, ("Glu-Lam Columns") shall be combination A- or better, meeting the allowable stress values given in "Design Values for Wood Construction" published by the American Forest and Paper Association. Glu-Lam members are to be free of wane. Interior glulam members shall be DF, Architectural Grade. Exterior glulam members shall be Alaskan Yellow Cedar, Architectural Grade.
- Laminated Veneer Lumber (LVL) prefabricated structural wood beams and joists shall be "Microlam" as manufactured by Weyerhaeuser, or "Versa-Lam" as manufactured by Boise Cascade, Inc. Parallel Strand Lumber (PSL) prefabricated structural wood beams and columns shall be "Parallam" as manufactured by Weyerhaeuser.
- Sheathing panels shall be identified with the appropriate trademark of the American Plywood Association, and shall meet the requirements of U.S. Product Standard PS1 or PS2, Performance Standards, latest edition.
- All roof sheathing shall be 7/16" APA rated sheathing (Exposure 1). Minimum panel identification shall be 24/16. Roof sheathing nailing shall be 8d common nails at 6" on center maximum at all edges and boundaries, unless noted otherwise. Nailing along intermediate members shall be 12" on center maximum. Confirm sheathing material is compatible with roofing material requirements.
- All floor sheathing shall be 23/32" tongue-and-groove APA rated (Exposure 1) with panel identification 4B/24.
- Wood floor nailing shall be 10d deformed shank nails at 6" on center maximum at all supported edges unless noted otherwise, nailing along intermediate members shall be at 12" on center maximum.
- All sheathing for exterior walls and shear walls shall be 7/16" Structural I APA rated sheathing (Exposure 1). Nailing shall be as noted on the drawings. All panel edges shall be backed with 2" nominal framing.
- Glue floor sheathing to joists per American Plywood Association's Glued Floor System recommendation.
- Floor and roof sheathing shall be placed with 8'-0" dimension perpendicular to joist framing, stagger joints. Panels to be continuous over two or more spans. Panel end joints shall occur over framing. Allow 1/8 inch spacing at panel ends and 1/8 inch at panel edges unless otherwise recommended by the panel manufacturer.
- All bolts shall be ASTM A-307.
- Ends of glulam members shall be accurately cut to provide uniform bearing.
- All wood web joists shall be installed per manufacturer's recommendations, and as show on the drawings.
- Install solid blocking between all sawn lumber joists at all supports. Solid blocking shall be same depth as adjacent joists and not less than 2" in nominal thickness unless shown otherwise on drawing.
- Double and triple built-up solid sawn wood members shall be spliced together with two 16d nails spaced at 12" o.c. on center except where noted otherwise on drawings.
- Nails for wood sheathing shall be common nails.
- Bolt holes in glulam members shall be field drilled after members are in place to ensure positive uniform bearing.
- Lead holes for lag screws shall be bored as follows:
 - The lead hole for the shank shall be the same diameter as the shank and shall be equal to the length of the untreated shank.
 - The lead hole for the threaded portion shall have a diameter equal to 50 percent of the shank diameter, and the length equal to at least the length of the threaded portion.
- Minimum nailing for all wood framing shall conform to Table No. 2304.10.2, International Building Code, 2015 Edition, unless noted otherwise.
- Joists shown on plan are basis of design; if changed, notify engineer.
- 16d nails shall be common or sinker (0.148" minimum diameter).

TRUSSES PENDING

Truss engineering must be submitted a minimum of one week prior to frame inspection and cannot be walked through. The truss package must include a signed and dated "Shop Drawing Review" stamped from the design professional of record that verifies conformance with the approved construction design documents. Unless previously shown on the approved structural framing plans, the truss layout must show all necessary truss connection hardware including hangers, uplift connections, and truss bearing enhancers.

DEFERRED SUBMITTALS:

- WOOD TRUSSES

DESIGN LOADS:

Building Risk Category	II
Site Elevation	±8,130 ft
Roof Loads	
Dead Load	30 psf
Live Load	20 psf
Snow Loads	
Flat Roof	P _f = 116 psf
Ground	P _g = 165 psf
Importance Factor	I _s = 1.0
Exposure Factor	C _e = 1.0
Thermal Factor	C _t = 1.0
Slope Factor	C _s = 1.0
Rain Intensity	i = 3 in/hr
Floor Loads	
Dead Load	50 psf
Live Load	50 psf (Classroom) 100 psf (Patio)
Wind Loads	
Basic Design Wind Speed	V = 116 mph
Allowable Stress Design Wind Speed	V _{asd} = 90 mph
Exposure Category	C
Internal Pressure Coefficient	GC _{pi} = ±0.18
Seismic Information	
Importance Factor	I _s = 1.0
Mapped Spectral Response Acceleration Parameters	S _S = 0.326g S ₁ = 0.083g
Site Class	D (Assumed)
Design Spectral Response Acceleration Parameters	S _{DS} = 0.334g S _{DI} = 0.133g
Seismic Design Category	C

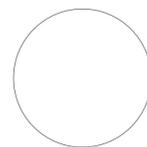
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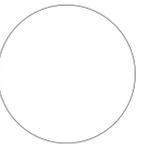
Snowmass Little Red Schoolhouse

ECE

4598 Owl Creek Rd, Snowmass Village, CO 81615

Town of Snowmass Village





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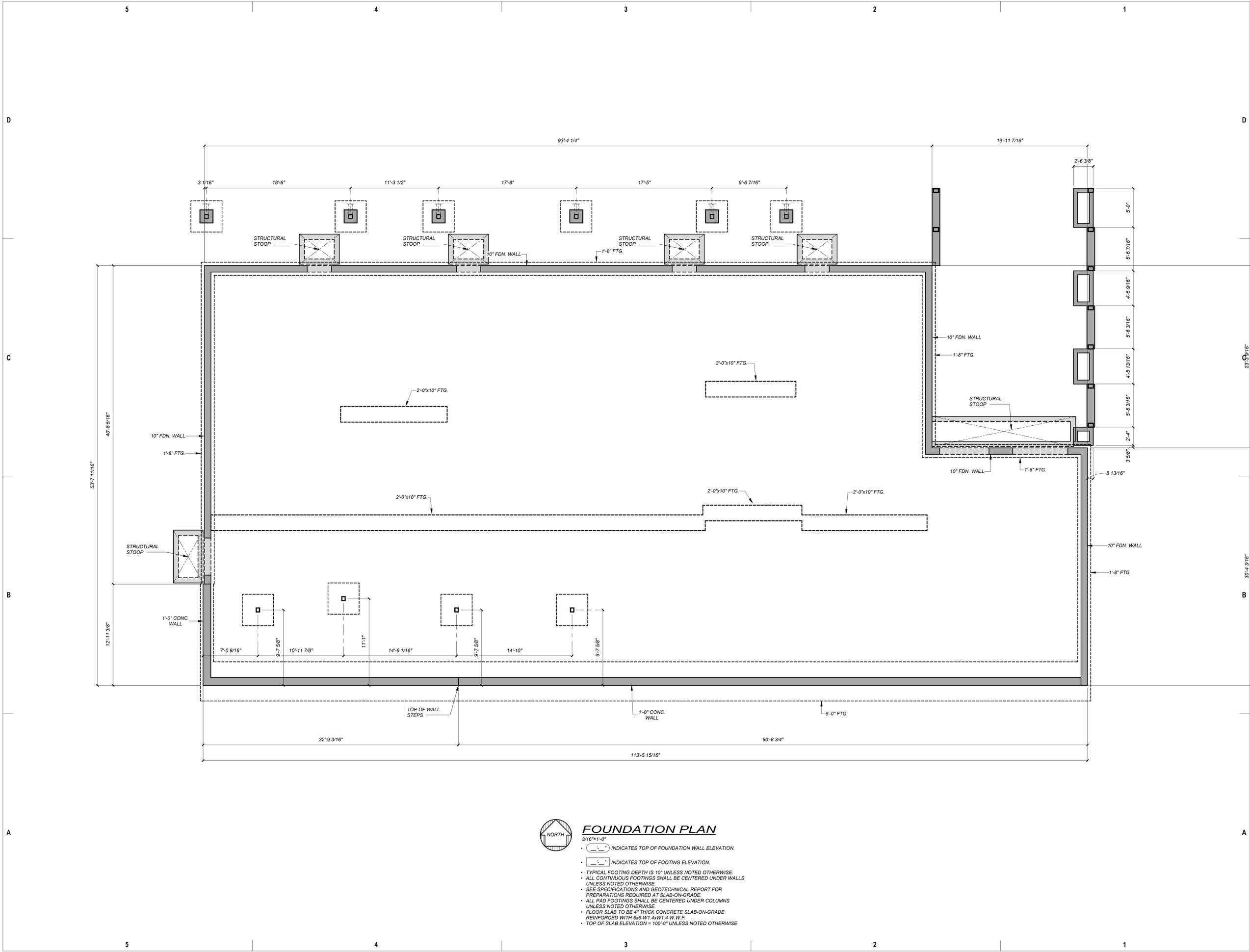
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PROJECT NUMBER
2023-07
DATE
07/12/2024
ISSUED FOR:
50% DESIGN DEVELOPMENT

REVISIONS
DATE APPROVAL: SAH
DRAWN BY: RDB
CHECKED BY: SAH

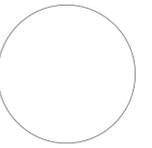
SHEET TITLE
**FOUNDATION PLAN
PLAN**

SHEET NO.
S111



FOUNDATION PLAN

- 3/16" = 1'-0"
- INDICATES TOP OF FOUNDATION WALL ELEVATION.
- INDICATES TOP OF FOOTING ELEVATION.
- TYPICAL FOOTING DEPTH IS 10" UNLESS NOTED OTHERWISE.
- ALL CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS UNLESS NOTED OTHERWISE.
- SEE SPECIFICATIONS AND GEOTECHNICAL REPORT FOR PREPARATIONS REQUIRED AT SLAB-ON-GRADE.
- ALL PAD FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.
- FLOOR SLAB TO BE 4" THICK CONCRETE SLAB-ON-GRADE REINFORCED WITH 6x6-W1.4xW1.4 W.W.F.
- TOP OF SLAB ELEVATION = 100'-0" UNLESS NOTED OTHERWISE



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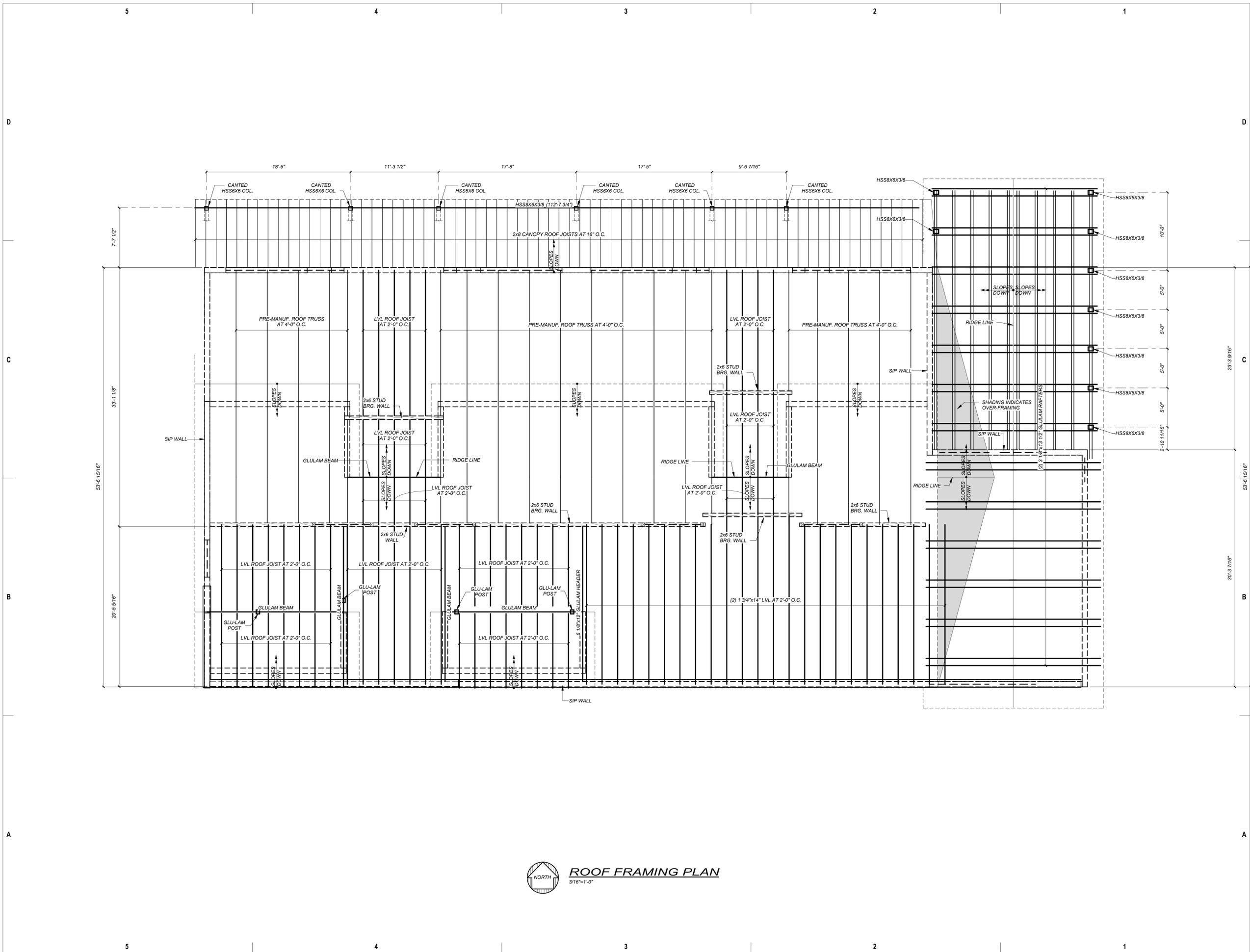
REVISIONS

QA/QC APPROVAL: SAH
DRAWN BY: RDB
CHECKED BY: SAH

SHEET TITLE
ROOF FRAMING PLAN

SHEET NO.
S121

NOT FOR CONSTRUCTION



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



SHEET INDEX			
ml	MECHANICAL SHEET TITLE	SHEET SCALE	SHEET ISSUED
M0.0	MECHANICAL COVER SHEET	NONE	X
M1.1	GROUND LEVEL HVAC PLAN	3/16" = 1'-0"	X
M1.2	ROOF HVAC PLAN	3/16" = 1'-0"	X
M3.1	HVAC SECTIONS	1/4" = 1'-0"	X
M5.1	HVAC DETAILS	NONE	X
M7.1	HVAC SCHEDULES	NONE	X

MECHANICAL GENERAL NOTES

- THE MECHANICAL CONTRACTOR SHALL INSPECT SITE TO BECOME FAMILIAR WITH THE SCOPE OF THE WORK. THESE DOCUMENTS DO NOT REFLECT AS-BUILT CONDITIONS. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION PRIOR TO BID PRICING. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF THE EXISTING CONDITIONS.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ABOVE CEILING EQUIPMENT, DUCTWORK AND CEILING MOUNTED AIR DEVICES WITH EXISTING ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL CONDITIONS. APPROXIMATE LOCATIONS OF NEW WORK ARE SHOWN AND SHOULD BE FOLLOWED AS CLOSELY AS EXISTING CONDITIONS WILL ALLOW.
- MECHANICAL WORK SHALL COMPLY WITH ALL APPLICABLE CODES. VERIFY ALL REQUIREMENTS PRIOR TO SUBMITTING BID OR COMMENCING WORK.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COORDINATION OR MODIFICATIONS THAT MAY BE REQUIRED DUE TO THE USE OR INSTALLATION OF EQUIPMENT OTHER THAN THAT OF THE BASIS OF DESIGN MANUFACTURERS LISTED ON THE DRAWINGS.
- THE MECHANICAL SYSTEM SHOWN SHALL BE ROUTED AS HIGH AS POSSIBLE. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING REQUIREMENTS WITH ALL TRADES PRIOR TO CONSTRUCTION.
- WHERE CEILING SPACE IS TO BE USED AS A RETURN AIR PLENUM, COMPLY WITH ALL APPLICABLE CODES. ALL MATERIALS WITHIN THE CEILING PLENUM WILL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
- WHERE THE CEILING SPACE IS TO BE USED AS A RETURN AIR PLENUM, THE GENERAL AND MECHANICAL CONTRACTORS SHALL VERIFY THAT THE RETURN AIR PATH BACK TO THE UNIT IS OPEN WITH A VELOCITY THROUGH ALL OPENINGS OF 400 FPM OR LESS.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING AIR DEVICES AND ACCESS PANELS. OBTAIN CLARIFICATION FROM THE ARCHITECT, IF EXACT LOCATIONS ARE NOT SHOWN.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR ROOFING DETAILS SPECIFIC TO THE PROJECT.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE THERMOSTAT, SENSOR, AND SWITCH LOCATIONS WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION. ALL THERMOSTATS, SENSORS, AND SWITCHES SHALL BE LOCATED 48" A.F.F. UNLESS INDICATED OTHERWISE.
- BALANCE AIR AND WATER SYSTEMS TO THE QUANTITIES SHOWN AND SUBMIT BALANCE REPORT(S) TO THE ARCHITECT/ENGINEER FOR REVIEW.
- ACCESS DOORS SHALL BE INSTALLED IN ORDER TO PROVIDE ACCESS TO MECHANICAL SYSTEMS LOCATED ABOVE INACCESSIBLE CEILINGS, WHETHER OR NOT SHOWN ON THE DRAWINGS. ACCESS DOORS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR. ACCESS DOOR LOCATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. PROVIDE 12"x12" ACCESS DOORS FOR HAND ACCESS AND 24"x24" ACCESS DOORS FOR HEAD AND SHOULDER ACCESS.

MECHANICAL PIPING NOTES

- REFRIGERANT PIPING AND INSULATION: REFER TO SPECIFICATION SECTIONS 23 2000 AND 23 0700 RESPECTIVELY FOR PIPING AND INSULATION REQUIREMENTS.
- THE AIR-COOLED CONDENSING UNIT SUPPLIER SHALL SUBMIT A MANUFACTURER APPROVED REFRIGERANT PIPING DIAGRAM SPECIFIC TO THIS PROJECT. CLEARLY IDENTIFY PIPING LENGTHS, DROPS, RISES, SIZES, VALVES, AND SPECIALTIES.
- INSTALL ALL VALVES ABOVE ACCESSIBLE CEILINGS. PROVIDE 12"x12" ACCESS DOORS FOR ALL VALVES ABOVE GYPSUM CEILINGS. ALL FINAL ACCESS DOOR LOCATIONS SHALL BE APPROVED BY THE ARCHITECT DURING COORDINATED SHOP DRAWING REVIEW.
- ALL PIPING SHOWN IS CONCEALED ABOVE CEILINGS UNLESS INDICATED OTHERWISE.
- PROVIDE PIPING SLEEVES AT ALL WALL PENETRATIONS. REFER TO SPECIFICATION FOR EXACT REQUIREMENTS.
- DUCTWORK DIMENSIONS LISTED ON THE DRAWINGS ARE CLEAR, INSIDE DIMENSIONS.
- FLEXIBLE DUCTWORK SHALL BE INSULATED AND SHALL BE THE SAME SIZE AS THE NECK OF THE AIR DEVICE. FLEXIBLE DUCTWORK SHALL NOT EXCEED 8'-0" IN LENGTH. PROVIDE WRAPPED RIGID ROUND DUCTWORK FOR TAKEOFFS IN EXCESS OF 8'-0".
- PROVIDE DUCT TRANSITIONS FROM EQUIPMENT CONNECTIONS TO DUCT SIZES AS SHOWN.
- PROVIDE A FLEXIBLE CONNECTION TO THE INTAKE AND DISCHARGE OF ALL MECHANICAL EQUIPMENT HAVING ROTATING PARTS. FLEXIBLE CONNECTION SHALL COMPLY WITH ALL APPLICABLE CODES.
- ALL DUCTWORK SHALL BE A MINIMUM 26 GAUGE SHEETMETAL OR AS REQUIRED BY ALL APPLICABLE CODES. ALL DUCTWORK CROSSING RATED CORRIDORS SHALL BE A MINIMUM 24 GAUGE SHEETMETAL. MEET OR EXCEED SMACNA STANDARDS.
- ALL SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE SEALED AIRTIGHT WITH DUCT SEALANT (SMACNA SEAL CLASS "A") ALONG ALL SEAMS AND JOINTS.
- ALL RECTANGULAR SUPPLY, RETURN AND TRANSFER DUCTWORK SHALL BE SHEETMETAL WITH DUCT LINER. REFER TO SPECIFICATION 233000 FOR REQUIREMENTS.
- ALL EXHAUST DUCTWORK SHALL BE UNLINED SHEETMETAL, UNLESS NOTED OTHERWISE.
- ALL EXPOSED SPIRAL ROUND DUCTWORK SHALL BE SHEETMETAL WITH DUCT LINER. REFER TO SPECIFICATION 233000 FOR REQUIREMENTS.
- ALL CONCEALED SPIRAL ROUND DUCTWORK SHALL BE SHEETMETAL WITH EXTERNAL DUCT INSULATION. REFER TO SPECIFICATION 230700 FOR REQUIREMENTS.
- ALL UNLINED DUCTWORK THAT IS VISIBLE THROUGH THE AIR DEVICE SHALL BE PAINTED FLAT BLACK. MAINTAIN A MINIMUM 10'-0" SEPARATION FROM OUTSIDE AIR INTAKES TO EXHAUST TERMINATIONS AND FLUE OUTLETS.
- MAINTAIN A MINIMUM OF 15'-0" FROM OUTSIDE AIR INTAKES TO PLUMBING VENTS.
- MAINTAIN A MINIMUM 3'-0" SEPARATION FROM EXHAUST TERMINATIONS TO OPERABLE WINDOWS AND DOORS.
- COORDINATE LOUVER, WALL CAP AND AIR DEVICE PLACEMENT WITH BRICK OR BLOCK COURSING WHERE APPLICABLE.
- COORDINATE THE LOCATION AND ELEVATION OF ALL EXPOSED DUCTWORK WITH THE ARCHITECT AT THE JOB SITE.
- ALL EXPOSED DUCTWORK SHALL BE FREE OF IMPERFECTIONS AND DAMAGE. SEAL EXPOSED DUCTWORK IN A NEAT WORKMANSHIP LIKE MANNER SUITABLE FOR PAINTING.
- THE GENERAL CONTRACTOR SHALL PAINT ALL EXPOSED DUCTWORK, FITTINGS, ETC. IN ACCORDANCE WITH THE ARCHITECTURAL SPECIFICATION.
- ALL EXPOSED DUCTWORK THAT IS SPECIFIED TO BE PAINTED SHALL BE PROVIDED WITH A PAINT-LOCK PRIMER TO PREPARE THE DUCT FOR FIELD PAINTING.
- SPIN-IN FITTINGS SERVING GRILLES AND DIFFUSERS SHALL BE CONICAL WITH MANUAL VOLUME DAMPERS, UNLESS THE AIR DEVICE IS PROVIDED WITH AN OPPOSED BLADE DAMPER.
- RECTANGULAR BRANCH DUCT TAKEOFFS SHALL HAVE 45° TAKEOFFS AND ROUND DUCT TAKEOFFS SHALL BE CONICAL.
- ALL ELBOWS, BOTH HORIZONTAL AND VERTICAL, SHALL BE LONG RADIUS ELBOWS WHEREVER POSSIBLE OR SHALL HAVE TURNING VANES UNLESS SHOWN OTHERWISE.
- 12"x12" ACCESS DOORS SHALL BE PROVIDED FOR ALL MANUAL VOLUME DAMPERS LOCATED ABOVE GYPSUM BOARD CEILINGS. ALL FINAL ACCESS DOOR LOCATIONS SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- ALL JOB SITE DUCTWORK PRIOR TO INSTALLATION SHALL BE COVERED AND PROTECTED FROM DIRT, DUST, AND DAMAGE PER SMACNA STANDARDS.
- DRYER EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEETMETAL NOT LESS THAN 0.0195 INCHES. INSIDE OF DRYER DUCT SHALL BE SMOOTH WITH NO MECHANICAL FASTENERS PENETRATING THE DUCT. POP RIVETS ARE ACCEPTABLE. VERTICAL RISERS SHALL HAVE AN ACCESSIBLE CLEANOUT. COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND LOCAL CODES.
- DIVISION 26 SHALL PROVIDE ONE DATA CONNECTION AND ONE 120 VOLT, 20 AMP POWER CONNECTION IN THE ROOM HOUSING THE DDC NETWORK CONTROLLER. DIVISION 26 SHALL PROVIDE ONE DATA CONNECTION AND ONE 120 VOLT, 20 AMP POWER CONNECTION IN THE ROOM HOUSING THE DDC COMPUTER AND ASSOCIATED GRAPHICAL USER INTERFACE, CONTROL SERVER SOFTWARE. COORDINATE EXACT LOCATION FOR THE DDC COMPUTER WITH THE OWNER. DIVISION 26 SHALL PROVIDE MULTIPLE 20 AMP CIRCUITS IN THE CEILING SPACE TO SERVE VAV TERMINAL CONTROL TRANSFORMERS. EXACT CIRCUIT LOCATIONS SHALL BE COORDINATED WITH THE TEMPERATURE CONTROLS CONTRACTOR.

HVAC LEGEND		
ABBV.	SYMBOL	DESCRIPTION
HP		HEAT PUMP
WWHP		WATER-TO-WATER HEAT PUMP
SF		SUPPLY FAN
EF		EXHAUST FAN
RF		RETURN FAN
UH		UNIT HEATER
CUH		CABINET UNIT HEATER
BBR		BASEBOARD RADIATION
RM		RADIANT MANIFOLD
P		PUMP
AS		AIR SEPARATOR
ET		EXPANSION TANK
LVR		LOUVER
CD		CEILING DIFFUSER
SD		SLOT DIFFUSER
SR		SUPPLY REGISTER
SG		SUPPLY GRILLE
DD		DISPLACEMENT DIFFUSER
RR		RETURN REGISTER
RG		RETURN GRILLE
ER		EXHAUST REGISTER
EG		EXHAUST GRILLE
TG		TRANSFER GRILLE
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
OA		OUTSIDE AIR
TA		TRANSFER AIR

MECHANICAL HVAC NOTES

- DUCTWORK DIMENSIONS LISTED ON THE DRAWINGS ARE CLEAR, INSIDE DIMENSIONS.
- FLEXIBLE DUCTWORK SHALL BE INSULATED AND SHALL BE THE SAME SIZE AS THE NECK OF THE AIR DEVICE. FLEXIBLE DUCTWORK SHALL NOT EXCEED 8'-0" IN LENGTH. PROVIDE WRAPPED RIGID ROUND DUCTWORK FOR TAKEOFFS IN EXCESS OF 8'-0".
- PROVIDE DUCT TRANSITIONS FROM EQUIPMENT CONNECTIONS TO DUCT SIZES AS SHOWN.
- PROVIDE A FLEXIBLE CONNECTION TO THE INTAKE AND DISCHARGE OF ALL MECHANICAL EQUIPMENT HAVING ROTATING PARTS. FLEXIBLE CONNECTION SHALL COMPLY WITH ALL APPLICABLE CODES.
- ALL DUCTWORK SHALL BE A MINIMUM 26 GAUGE SHEETMETAL OR AS REQUIRED BY ALL APPLICABLE CODES. ALL DUCTWORK CROSSING RATED CORRIDORS SHALL BE A MINIMUM 24 GAUGE SHEETMETAL. MEET OR EXCEED SMACNA STANDARDS.
- ALL SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE SEALED AIRTIGHT WITH DUCT SEALANT (SMACNA SEAL CLASS "A") ALONG ALL SEAMS AND JOINTS.
- ALL RECTANGULAR SUPPLY, RETURN AND TRANSFER DUCTWORK SHALL BE SHEETMETAL WITH DUCT LINER. REFER TO SPECIFICATION 233000 FOR REQUIREMENTS.
- ALL EXHAUST DUCTWORK SHALL BE UNLINED SHEETMETAL, UNLESS NOTED OTHERWISE.
- ALL EXPOSED SPIRAL ROUND DUCTWORK SHALL BE SHEETMETAL WITH DUCT LINER. REFER TO SPECIFICATION 233000 FOR REQUIREMENTS.
- ALL CONCEALED SPIRAL ROUND DUCTWORK SHALL BE SHEETMETAL WITH EXTERNAL DUCT INSULATION. REFER TO SPECIFICATION 230700 FOR REQUIREMENTS.
- ALL UNLINED DUCTWORK THAT IS VISIBLE THROUGH THE AIR DEVICE SHALL BE PAINTED FLAT BLACK. MAINTAIN A MINIMUM 10'-0" SEPARATION FROM OUTSIDE AIR INTAKES TO EXHAUST TERMINATIONS AND FLUE OUTLETS.
- MAINTAIN A MINIMUM OF 15'-0" FROM OUTSIDE AIR INTAKES TO PLUMBING VENTS.
- MAINTAIN A MINIMUM 3'-0" SEPARATION FROM EXHAUST TERMINATIONS TO OPERABLE WINDOWS AND DOORS.
- COORDINATE LOUVER, WALL CAP AND AIR DEVICE PLACEMENT WITH BRICK OR BLOCK COURSING WHERE APPLICABLE.
- COORDINATE THE LOCATION AND ELEVATION OF ALL EXPOSED DUCTWORK WITH THE ARCHITECT AT THE JOB SITE.
- ALL EXPOSED DUCTWORK SHALL BE FREE OF IMPERFECTIONS AND DAMAGE. SEAL EXPOSED DUCTWORK IN A NEAT WORKMANSHIP LIKE MANNER SUITABLE FOR PAINTING.
- THE GENERAL CONTRACTOR SHALL PAINT ALL EXPOSED DUCTWORK, FITTINGS, ETC. IN ACCORDANCE WITH THE ARCHITECTURAL SPECIFICATION.
- ALL EXPOSED DUCTWORK THAT IS SPECIFIED TO BE PAINTED SHALL BE PROVIDED WITH A PAINT-LOCK PRIMER TO PREPARE THE DUCT FOR FIELD PAINTING.
- SPIN-IN FITTINGS SERVING GRILLES AND DIFFUSERS SHALL BE CONICAL WITH MANUAL VOLUME DAMPERS, UNLESS THE AIR DEVICE IS PROVIDED WITH AN OPPOSED BLADE DAMPER.
- RECTANGULAR BRANCH DUCT TAKEOFFS SHALL HAVE 45° TAKEOFFS AND ROUND DUCT TAKEOFFS SHALL BE CONICAL.
- ALL ELBOWS, BOTH HORIZONTAL AND VERTICAL, SHALL BE LONG RADIUS ELBOWS WHEREVER POSSIBLE OR SHALL HAVE TURNING VANES UNLESS SHOWN OTHERWISE.
- 12"x12" ACCESS DOORS SHALL BE PROVIDED FOR ALL MANUAL VOLUME DAMPERS LOCATED ABOVE GYPSUM BOARD CEILINGS. ALL FINAL ACCESS DOOR LOCATIONS SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- ALL JOB SITE DUCTWORK PRIOR TO INSTALLATION SHALL BE COVERED AND PROTECTED FROM DIRT, DUST, AND DAMAGE PER SMACNA STANDARDS.
- DRYER EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEETMETAL NOT LESS THAN 0.0195 INCHES. INSIDE OF DRYER DUCT SHALL BE SMOOTH WITH NO MECHANICAL FASTENERS PENETRATING THE DUCT. POP RIVETS ARE ACCEPTABLE. VERTICAL RISERS SHALL HAVE AN ACCESSIBLE CLEANOUT. COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND LOCAL CODES.
- DIVISION 26 SHALL PROVIDE ONE DATA CONNECTION AND ONE 120 VOLT, 20 AMP POWER CONNECTION IN THE ROOM HOUSING THE DDC NETWORK CONTROLLER. DIVISION 26 SHALL PROVIDE ONE DATA CONNECTION AND ONE 120 VOLT, 20 AMP POWER CONNECTION IN THE ROOM HOUSING THE DDC COMPUTER AND ASSOCIATED GRAPHICAL USER INTERFACE, CONTROL SERVER SOFTWARE. COORDINATE EXACT LOCATION FOR THE DDC COMPUTER WITH THE OWNER. DIVISION 26 SHALL PROVIDE MULTIPLE 20 AMP CIRCUITS IN THE CEILING SPACE TO SERVE VAV TERMINAL CONTROL TRANSFORMERS. EXACT CIRCUIT LOCATIONS SHALL BE COORDINATED WITH THE TEMPERATURE CONTROLS CONTRACTOR.

HVAC LEGEND		
ABBV.	SYMBOL	DESCRIPTION
CD		CONDENSATE DRAIN
RS		REFRIGERANT SUCTION
RL		REFRIGERANT LIQUID
MCD		MOTORIZED CONTROL DAMPER
		BACKDRAFT DAMPER
MVD		MANUAL VOLUME DAMPER
FD		FIRE DAMPER
FSD		COMBINATION MOTORIZED FIRE/SMOKE DAMPER
		EXISTING FIRE DAMPER
		EXISTING COMBINATION MOTORIZED FIRE/SMOKE DAMPER
		WALL SWITCH
		WALL SWITCH WITH PILOT LIGHT
		THERMOSTAT / HUMIDISTAT
		TEMPERATURE / HUMIDITY / CARBON DIOXIDE SENSOR
		COMBINATION TEMPERATURE SENSORS
		EMERGENCY POWER OFF SWITCH
		OCCUPANCY SENSOR
		SMOKE DETECTOR
		PRESSURE SENSOR
		MOTOR STARTER
		VELOCITY SENSOR
		ANALOG FLOW MEASURING DEVICE
		VARIABLE FREQUENCY DRIVE
		ANALOG OUTPUT
		ANALOG INPUT
		DIGITAL OUTPUT
		DIGITAL INPUT
		STATIC PRESSURE TRANSMITTER
		DIFFERENTIAL PRESSURE TRANSMITTER
		SUPPLY DUCT UP & DOWN
		RETURN/EXHAUST DUCT UP & DOWN
		ROUND SUPPLY DUCT UP & DOWN
		DUCT ELBOW WITH TURNING VANES
		SQUARE TO ROUND TRANSITION
		OFFSET DUCT UP / DOWN IN DIRECTION OF ARROW
		CONICAL SPIN-IN FITTING WITH MANUAL VOLUME DAMPER
		CONICAL SPIN-IN FITTING WITHOUT MANUAL VOLUME DAMPER
		45° TAKEOFF
		STANDARD RADIUS ELBOW
		NEW RECTANGULAR DUCTWORK - WIDTH X DEPTH
		NEW ROUND DUCTWORK - DIAMETER
		NEW OVAL DUCTWORK - WIDTH / DEPTH
CD		CEILING DIFFUSER (FOUR WAY THROW PATTERN)
SD		SLOT DIFFUSER
RG/EG		RETURN OR EXHAUST REGISTER OR GRILLE
RG		RETURN GRILLE WITH SOUND BOOT
		FLEXIBLE DUCTWORK
		AIRFLOW - RETURN/EXHAUST
		AIRFLOW - SUPPLY
SA		SOUND ATTENUATOR

GENERAL LEGEND		
ABBV.	SYMBOL	DESCRIPTION
G.C.		GENERAL CONTRACTOR
M.C.		MECHANICAL CONTRACTOR
P.C.		PLUMBING CONTRACTOR
E.C.		ELECTRICAL CONTRACTOR
T.C.C.		TEMPERATURE CONTROL CONTRACTOR
F.P.C.		FIRE PROTECTION CONTRACTOR
A.F.F.		ABOVE FINISHED FLOOR
A.F.G.		ABOVE FINISHED GRADE
B.F.F.		BELOW FINISHED FLOOR
B.F.G.		BELOW FINISHED GRADE
N.I.C.		NOT IN CONTRACT
N.C.		NORMALLY CLOSED
N.O.		NORMALLY OPEN
(N)		NEW
SF		SQUARE FOOTAGE
ADAP		CONTROL WIRING
		ACCESS DOOR/ACCESS PANEL
		POINT OF CONNECTION - NEW TO EXISTING
		DIRECTION OF FLOW IN PIPE
		PITCH PIPE DOWN IN DIRECTION OF ARROW
		PIPE CAP
		GAUGE
		PRESSURE GAUGE WITH COCK
		FLOW METER FITTING
		PIPE UNION
		FLEXIBLE PIPE CONNECTION
		STRAINER WITH BLOWDOWN VALVE
		STRAINER
		CONCENTRIC PIPE REDUCER
		ECCENTRIC PIPE REDUCER
CV		CHECK VALVE
BV		BALANCING VALVE
GV		GATE VALVE
		BALL VALVE
		GLOBE VALVE
		BUTTERFLY VALVE
		3-WAY MANUAL VALVE
		MANUAL AIR VENT
		AUTOMATIC AIR VENT
		PRESSURE RELIEF VALVE
PIT		PRESSURE/TEMPERATURE TEST PLUG
TCV		(2 OR 3-WAY) TEMPERATURE CONTROL VALVE
		PIPE ELBOW DOWN
		PIPE ELBOW UP
		TEE OFF BOTTOM OF PIPE
		TEE OFF TOP OF PIPE
		THERMOMETER
		X = SECTION/DETAIL NUMBER XXX = SHEET NUMBER WHERE SECTION/DETAIL IS DRAWN

NOT FOR CONSTRUCTION

D

C

B

A

D

C

B

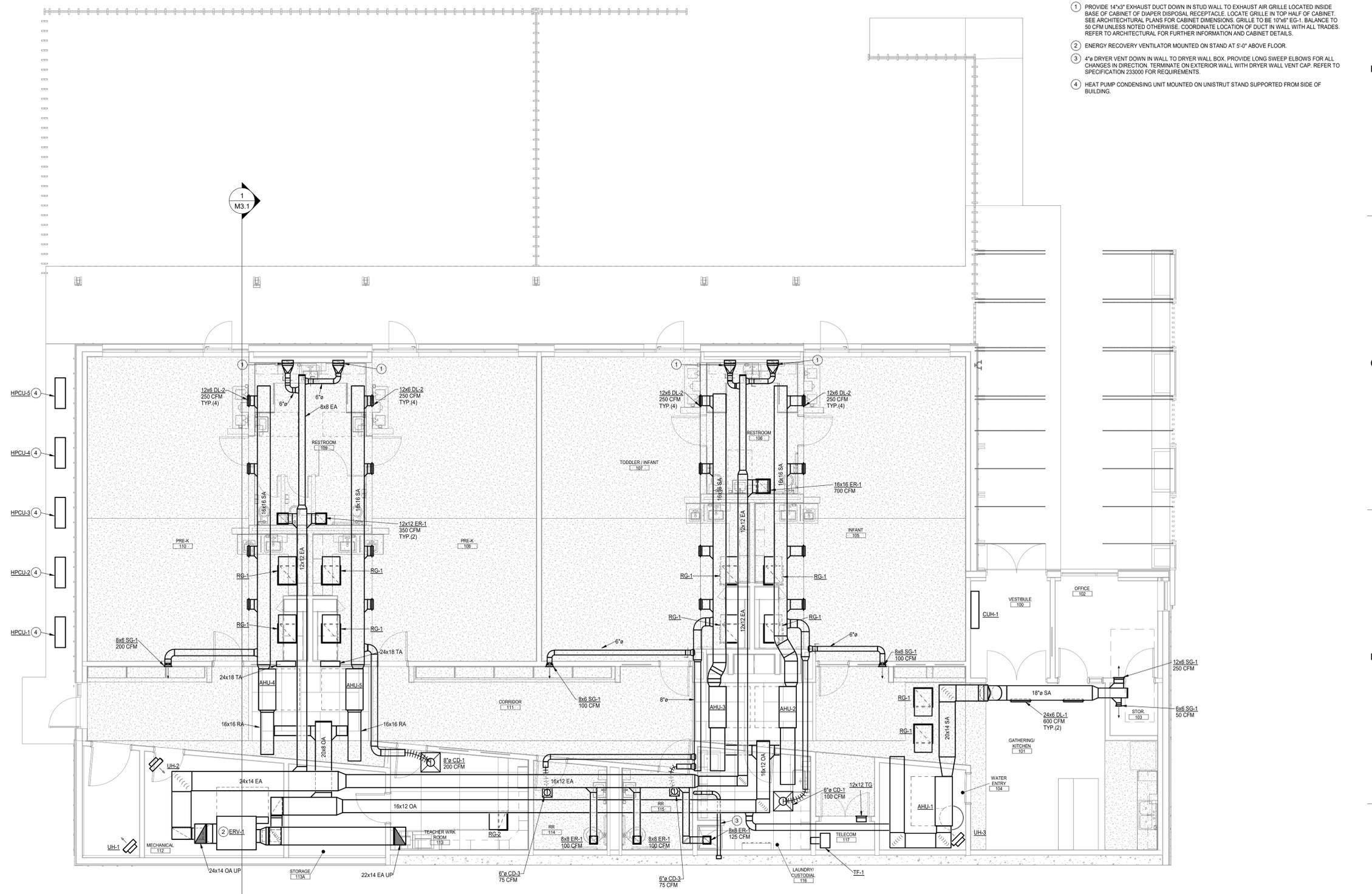
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**Snowmass Little Red Schoolhouse
ECE**
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

FIRST FLOOR HVAC KEYNOTES:

- 1 PROVIDE 14"x3" EXHAUST DUCT DOWN IN STUD WALL TO EXHAUST AIR GRILLE LOCATED INSIDE BASE OF CABINET OF DIAPER DISPOSAL RECEPTACLE. LOCATE GRILLE IN TOP HALF OF CABINET. SEE ARCHITECTURAL PLANS FOR CABINET DIMENSIONS. GRILLE TO BE 10"x6" EG-1. BALANCE TO 50 CFM UNLESS NOTED OTHERWISE. COORDINATE LOCATION OF DUCT IN WALL WITH ALL TRADES. REFER TO ARCHITECTURAL FOR FURTHER INFORMATION AND CABINET DETAILS.
- 2 ENERGY RECOVERY VENTILATOR MOUNTED ON STAND AT 5'-0" ABOVE FLOOR.
- 3 4" DRYER VENT DOWN IN WALL TO DRYER WALL BOX. PROVIDE LONG SWEEP ELBOWS FOR ALL CHANGES IN DIRECTION. TERMINATE ON EXTERIOR WALL WITH DRYER WALL VENT CAP. REFER TO SPECIFICATION 233000 FOR REQUIREMENTS.
- 4 HEAT PUMP CONDENSING UNIT MOUNTED ON UNISTRUT STAND SUPPORTED FROM SIDE OF BUILDING.



GROUND LEVEL HVAC PLAN
SCALE: 3/16" = 1'-0"

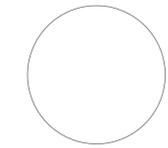
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PROJECT NUMBER
2023-07
DATE
07/12/2024
ISSUED FOR:
50% DESIGN DEVELOPMENT

REVISIONS
DATE APPROVAL: TVB
DRAWN BY: TVB
CHECKED BY: TVB

SHEET TITLE
GROUND LEVEL HVAC PLAN

SHEET NO.
M1.1



**Snowmass Little Red Schoolhouse
ECE**
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

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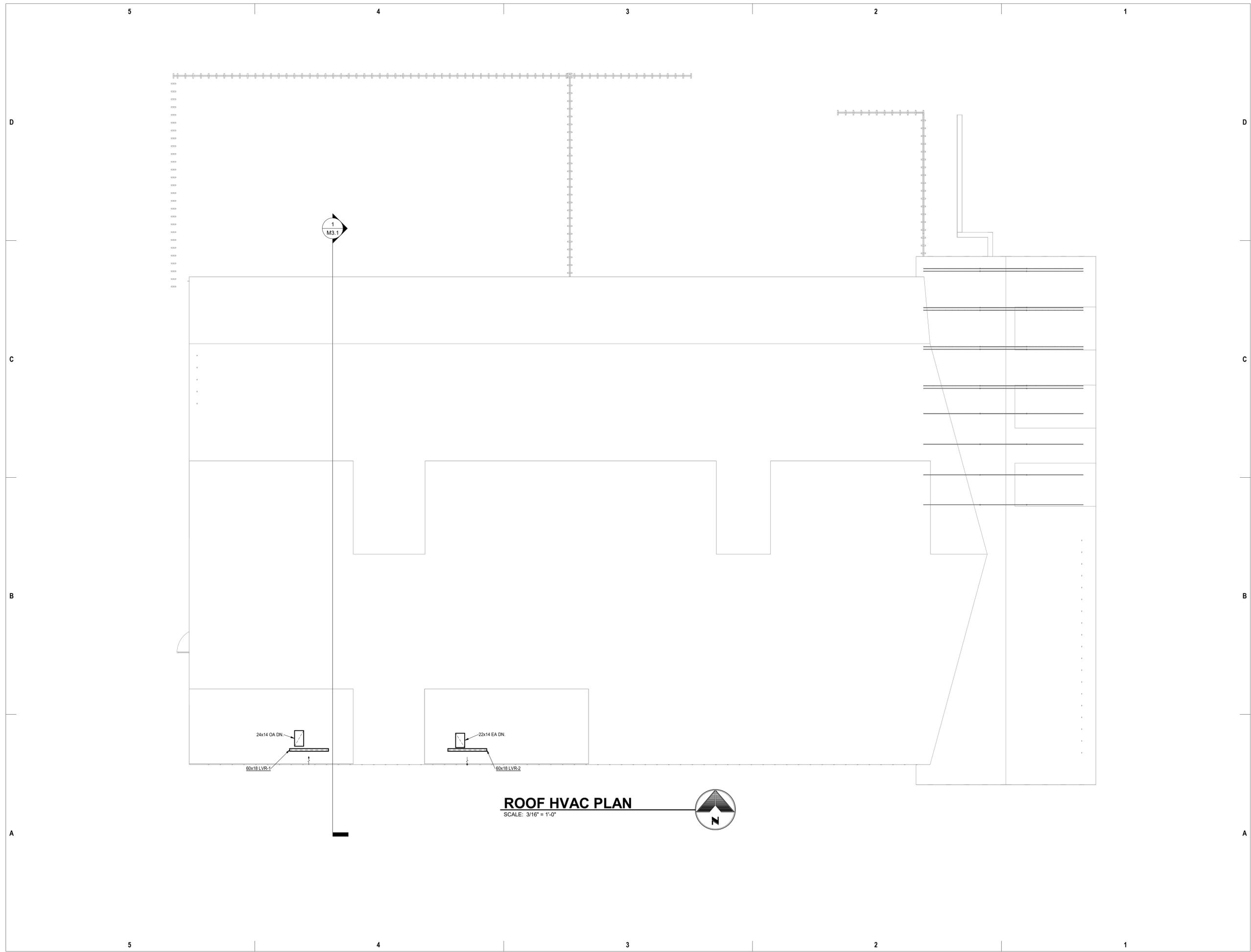
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DATE
07/12/2024
ISSUED FOR:
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REVISIONS

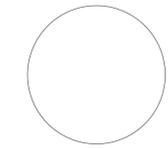
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DRAWN BY: **TVB**
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SHEET TITLE
ROOF HVAC PLAN

SHEET NO.
M1.2

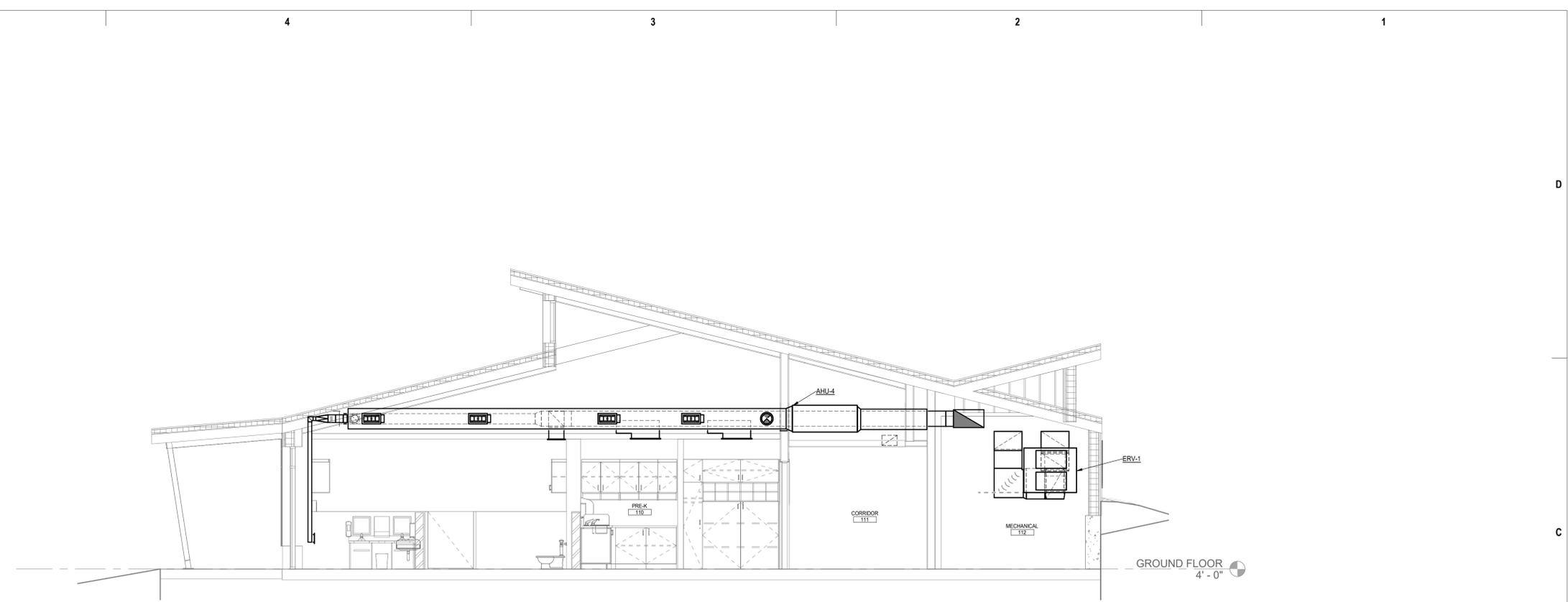


ROOF HVAC PLAN
SCALE: 3/16" = 1'-0"



**Snowmass Little Red Schoolhouse
ECE**
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

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1 HVAC SECTION 1
M3.1 SCALE: 1/4" = 1'-0"

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SHEET TITLE
HVAC SECTIONS

SHEET NO.
M3.1

Snowmass Little Red Schoolhouse
ECE
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

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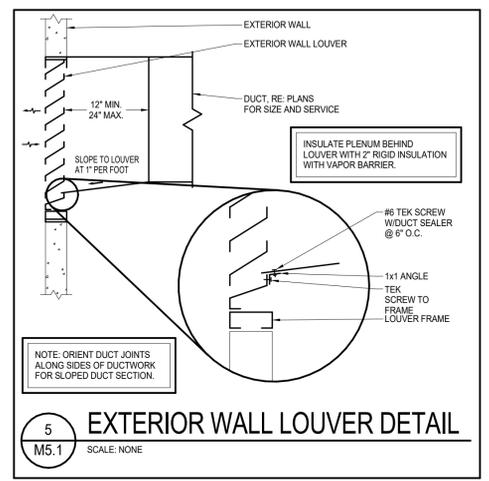
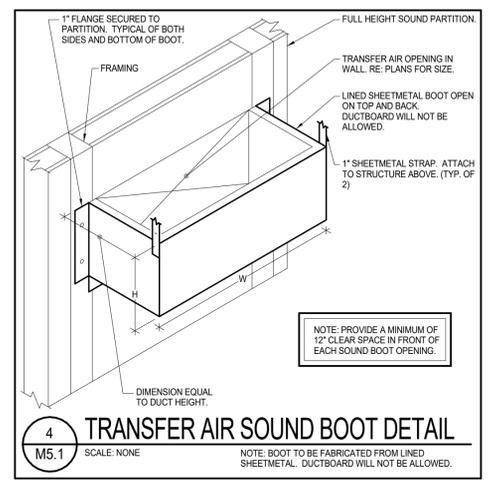
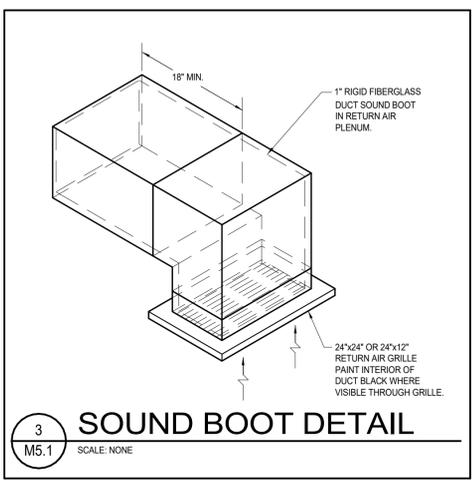
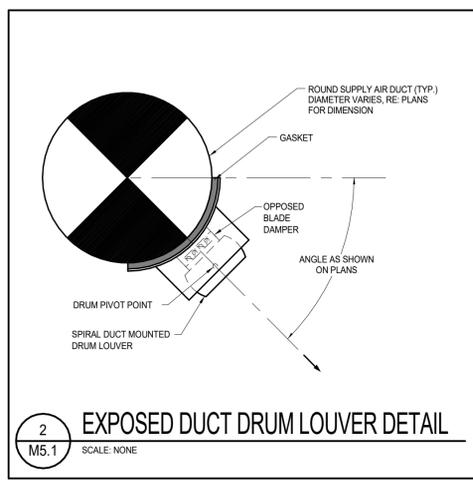
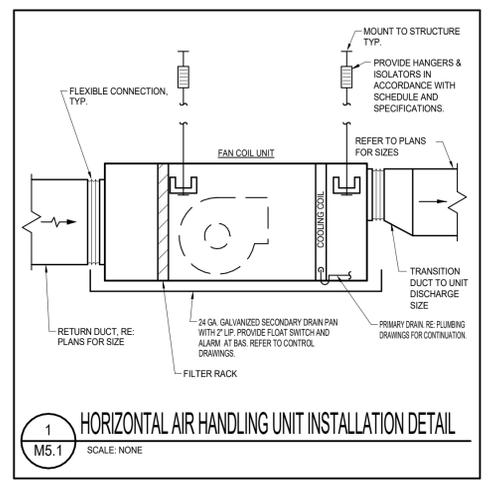
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SHEET TITLE
HVAC DETAILS

SHEET NO.
M5.1

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ENERGY RECOVERY VENTILATOR SCHEDULE

PLAN CODE	MANUFACTURER & MODEL NUMBER	AREA SERVED	ENERGY RECOVERY WHEEL												SUPPLY FAN			EXHAUST FAN			ELECTRICAL			DIMENSIONS				REMARKS	
			WHEEL TYPE	AIR SOURCE	AIRFLOW (CFM)	WINTER				SUMMER				CFM	ESP	HP	CFM	ESP	HP	V/øHz	MCA	MOCP	H (IN)	L (IN)	W (IN)	WT (LBS)			
						EAT		LAT		EAT		LAT																	
						DB (°F)	WB (°F)																						
ERV-1	RENEWAIRE HE-2XH	AHU / EXHAUST	PLATE	OUTSIDE	1,800	-20.0	-20.0			84.2	54.1			1,800	1.25"	3.00	1,800	1.25"	3.0	240/160									NOTE: 1,2,3,4,5
			EXHAUST	1,800	70.0					72.0																			

NOTES:
1. UNIT CONSISTS OF FILTERS, STATIC PLATE TYPE HEAT EXCHANGER, SUPPLY FAN, EXHAUST FAN, AND MOTORIZED DAMPERS.
2. PROVIDE OUTSIDE AIR AND EXHAUST AIR MOTORIZED DAMPERS.
3. PROVIDE UNIT MOUNTED NON FUSED DISCONNECT.
4. INDOOR UNIT MOUNTED ON FLOOR WITH 18" TALL UNISTRUT STAND AND 3/4" WAFFLE PADS.
5. PROVIDE UNIT MOUNTED VFD'S FOR SUPPLY AND EXHAUST FANS.

HEAT PUMP AHU SCHEDULE

PLAN CODE	AHU MANUFACTURER & MODEL NO.	MATCHING HPCU	CFM	ESP	MIN. OA CFM	SUPPLY FAN			COOLING COIL								BACKUP HEATING COIL				ELECTRICAL			FILTER				WT. (LBS)	REMARKS					
						HP	RPM	TYPE	REFRIG.	ROWS	FINS/ INCH	SST (°F)	TOT. (MBH)	SENS. (MBH)	EAT		LAT		KW RATING	KW	EAT °F	LAT °F	V/øHZ	MCA	MOP	TYPE	DEPTH			W	D	H	SUPPLY	RETURN
															°F DB	°F WB	°F DB	°F WB																
AHU-1	YORK JHVTC48G	HPCU-1	1,600	0.50	150	1.0	1,050	DIRECT	R-410a	3	14	38	40.7	39.3	79.6	59.0	52.0	48.8	14.4	14.4	64.4	98.9	230/160	80.5	90.0	MERV13	2"	21.0"	21.5"	61.0"	20"x12"	20"x18"	140	NOTE: 1,3
AHU-2	YORK JHVTC36D	HPCU-2	1,200	0.50	400	1/2	1,050	DIRECT	R-410a	3	14	38	30.0	29.1	79.3	56.2	52.0	45.5	9.6	9.6	55.3	86.0	230/160	52.6	60.0	MERV13	2"	21.0"	21.5"	51.0"	20"x12"	20"x18"	120	NOTE: 1,3
AHU-3	YORK JHVTC36D	HPCU-3	1,200	0.50	400	1/2	1,050	DIRECT	R-410a	3	14	38	31.4	30.3	80.4	59.4	52.0	49.0	9.6	9.6	55.3	86.0	230/160	52.6	60.0	MERV13	2"	21.0"	21.5"	51.0"	20"x12"	20"x18"	120	NOTE: 1,3
AHU-4	YORK JHVTC36D	HPCU-4	1,200	0.50	400	1/2	1,050	DIRECT	R-410a	3	14	38	32.9	31.9	81.9	57.1	52.0	45.4	9.6	9.6	55.3	86.0	230/160	52.6	60.0	MERV13	2"	21.0"	21.5"	51.0"	20"x12"	20"x18"	120	NOTE: 1,3
AHU-5	YORK JHVTC36D	HPCU-5	1,200	0.50	400	1/2	1,050	DIRECT	R-410a	3	14	38	32.9	31.9	81.9	57.1	52.0	45.4	9.6	9.6	55.3	86.0	230/160	52.6	60.0	MERV13	2"	21.0"	21.5"	51.0"	20"x12"	20"x18"	120	NOTE: 1,3

NOTES:
1. PROVIDE COIL WITH HEAT PUMP THERMOSTATIC EXPANSION VALVE.
2. PROVIDE WITH INTEGRAL DISCONNECT AND SINGLE POINT POWER.

HEAT PUMP CONDENSING UNIT SCHEDULE (AIR SOURCE)

PLAN CODE	MANUFACTURER & MODEL NO.	MATCHING AHU	REFRIGERANT		CAPACITY		EFFICIENCY		ELECTRICAL				DIMENSIONS			WT. (LBS)	REMARKS
			TYPE	CHARGE	TONS	MBH	COP (17°F)	EER (SEER2)	V/øHZ	UNIT MCA	UNIT MOP	W	H	D			
HPCU-1	YORK HMH72B48	AHU-1	R-410A		4.0	48.0		17.0	208-230/160	36.0	50.0	38"	55"	13"	230	NOTE: 1,2	
HPCU-2	YORK HMH72B36	AHU-2	R-410A		3.0	36.0		17.0	208-230/160	23.0	50.0	38"	33"	13"	150	NOTE: 1,2	
HPCU-3	YORK HMH72B36	AHU-3	R-410A		3.0	36.0		17.0	208-230/160	23.0	50.0	38"	33"	13"	150	NOTE: 1,2	
HPCU-4	YORK HMH72B36	AHU-4	R-410A		3.0	36.0		17.0	208-230/160	23.0	50.0	38"	33"	13"	150	NOTE: 1,2	
HPCU-5	YORK HMH72B36	AHU-5	R-410A		3.0	36.0		17.0	208-230/160	23.0	50.0	38"	33"	13"	150	NOTE: 1,2	

NOTES:
1. ROOF MOUNTED UNIT. REFER TO DETAIL FOR MOUNTING REQUIREMENTS.
2. FULLY MODULATING COMPRESSOR AND EC MOTOR CONDENSER FAN.
3. VARIABLE CAPACITY COMPRESSOR ON LEAD CIRCUIT.
4. PROVIDE WITH COMPRESSOR SOUND BLANKETS.

CABINET UNIT HEATER SCHEDULE (ELECTRIC)

PLAN CODE	MANUFACTURER & MODEL NO.	LOCATION	CAP. (MBH)	CFM	ELEMENT				MOTOR			DIMENSIONS				CONTROL	REMARKS	
					KW	VOLT	ø	FLA	HP	VOLT	ø	ARRANGEMENT	L	W	HT			WT
CUH-1	MARKEL 6300		27.3	500	8	240	1	44										

NOTES:
1. -

UNIT HEATER SCHEDULE (ELECTRIC)

PLAN CODE	MANUFACTURER & MODEL NO.	CAP. (MBH)	ELEMENT			CFM	EAT	FLA	MOTOR				WEIGHT (LBS)	CONTROL	REMARKS
			KW	V	ø				HP	V	ø	RPM			
UH-1	MARKEL 5100	11.3	3.3	240	1	400	60	13.7							
UH-2	MARKEL 5100	11.3	3.3	240	1	400	60	13.7							
UH-3	MARKEL 5100	11.3	3.3	240	1	400	60	13.7							

NOTES:
1. WALL MOUNTED 24 VOLT THERMOSTAT PROVIDED BY UNIT HEATER MANUFACTURER.
2. FLA (FULL LOAD AMPS) INCLUDES HEATING ELEMENT AND MOTOR CURRENT REQUIREMENTS.

LOUVER SCHEDULE

PLAN CODE	MANUFACTURER & MODEL NO.	SERVICE	FREE AREA (SQ. FT.)	CFM	VEL. (FPM)	A.P.D. (IN. W.C.)	MOUNTING TYPE	MATERIALS	SIZE (INCHES)			REMARKS
									H	L	W	
LVR-1	GREENHECK ESD-435	ERV-1 INTAKE	3.5	2,000	568	0.07	STANDARD	NOTE: 1	18"	60"	4"	NOTES: 2,3
LVR-2	GREENHECK ESD-435	ERV-1 EXHAUST	3.5	2,000	568	0.07	STANDARD	NOTE: 1	18"	60"	4"	NOTES: 2,3

NOTES:
1. EXTRUDED ALUMINUM.
2. PROVIDE LOUVER WITH 1/2" BIRD SCREEN.
3. PROVIDE LOUVER WITH KYNAR FINISH AND COLOR SELECTION BY ARCHITECT.

GRILLES, REGISTERS & DIFFUSERS SCHEDULE

PLAN CODE	MANUFACTURER & MODEL NO.	TYPE & SERVICE	FACE SIZE	NECK SIZE	SLOT WIDTH/ NO. OF SLOTS	M.V.D.	MOUNTING	FINISH	MATERIAL	REMARKS
CD-1	PRICE SMD	SUPPLY	24"x24"	AS NOTED	-	NO	LAY-IN	WHITE	STEEL	NOTE: 1
CD-3	PRICE SMD	SUPPLY	12"x12"	AS NOTED	-	NO	SURFACE	WHITE	STEEL	NOTE: 2
DL-1	PRICE HCD1	SUPPLY	NECK + 2.375	AS NOTED	-	YES	SPIRAL DUCT	BY ARCH	ALUMINUM	
DL-2	PRICE HCD1	SUPPLY	NECK + 2.375	AS NOTED	-	YES	SURFACE	BY ARCH	ALUMINUM	
SG-1	PRICE 520	SUPPLY	AS NOTED	NECK + 1.75"	-	NO	SURFACE	BY ARCH	STEEL	
RG-1	PRICE PDDR	RETURN	24" x 24"	22"x22"	-	NO	LAY-IN	WHITE	STEEL	NOTE: 3
RG-2	PRICE PDDR	RETURN	24" x 12"	22"x10"	-	NO	LAY-IN	WHITE	STEEL	NOTE: 3
RG-3	PRICE 530	RETURN	AS NOTED	NECK + 1.75"	-	NO	SURFACE	BY ARCH	STEEL	
TG-1	PRICE 530	RETURN	AS NOTED	NECK + 1.75"	-	NO	SURFACE	BY ARCH	STEEL	
ER-1	PRICE 530	EXHAUST	NECK+1.75"	AS NOTED	-	YES	SURFACE	WHITE	STEEL	

NOTES:
1. 24"x24" MODULE WITH 18"x18" LOUVERED FACE.
2. PROVIDE WITH HARD LID TRIM KIT.
3. PROVIDE WITH SOUND BOOT. REFER TO DETAIL.

FAN SCHEDULE

PLAN CODE	MANUFACTURER & MODEL NO.	TYPE	SERVICE	SONES	CFM	T.S.P. @ 7,700'	RPM @ 7,700'	MOTOR		WT (LBS)	VIB. ISOL.	CONTROL	DAMPER TYPE	REMARKS
TF-1	GREENHECK CSP-A710-VG	CEILING	IDF	0.9	500	0.25	963	325W	120/160	50	NOTE: 1	DDC	GRAVITY BDD	NOTE: 2

NOTES:
1. REFER TO SPECIFICATIONS FOR VIBRATION AND SOUND ISOLATION REQUIREMENTS.
2. PROVIDE FAN WITH EC MOTOR AND MOTOR MOUNTED POTENTIOMETER DIAL FOR BALANCING.

LIGHTING CONTROL NOTES

LIGHTING CONTROL SYSTEM SHALL BE IN COMPLIANCE WITH THE FOLLOWING. INTERNATIONAL ENERGY CONSERVATION CODE (IECC) LOCAL ENFORCED EDITION.

FOR THE FOLLOWING DEVICES, REFER TO THE MANUFACTURER'S WIRING DIAGRAMS, INSTALLATION INSTRUCTIONS, AND REVIEWED/APPROVED SUBMITTAL SHOP DRAWINGS. PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS FOR A COMPLETE AND OPERATIONAL LIGHTING CONTROL SYSTEM.

PROVIDE SPECIFICATION GRADE DEVICES BY COOPER (EATON), HUBBELL, LEVITON, LUTRON, NOVITAS, NULIGHT, SENSOR SWITCH OR WATTSTOPPER.

LOWER CASE LETTERS DENOTE SWITCHING/CONTROL ZONES.

ALL LIGHTING CONTROL CABLE/WIRE SHALL BE DISTRICT STANDARD COLOR AND AS RECOMMENDED BY SYSTEMS MANUFACTURER, ROUTED PARALLEL/PERPENDICULAR TO BUILDING WALLS AND LINES, AND SUPPORTED INDEPENDENTLY FROM OTHER SYSTEMS.

ELECTRICAL CONTRACTOR OR LIGHTING CONTROLS COMMISSIONING AGENT SHALL PROVIDE ALL PROGRAMMING AND COMMISSIONING OF THE LIGHTING CONTROL SYSTEM. ALL LIGHTING SYSTEM PROGRAMMING SHALL BE BASED ON ACTUAL FIELD MEASURED LIGHT LEVELS TO ACHIEVE THE DISTRICT REQUIRED LIGHT LEVELS INDICATED IN THE SPECIFICATIONS. PROGRAMMING AND CALIBRATION OF SYSTEM SHALL BE READILY ACCESSIBLE.

ANY SUBSTITUTE LUMINAIRE PACKAGE SHALL MEET THE DISTRICT'S ILLUMINATION CRITERIA INDICATED IN THE DISTRICT TECHNICAL GUIDELINES AND INDICATED IN THE CONTRACT DOCUMENTS (CONSTRUCTION DRAWINGS AND SPECIFICATIONS). IF A SUBSTITUTE LUMINAIRE PACKAGE IS SUBMITTED, THE LUMEN OUTPUT MUST BE WITHIN 200 LUMENS OF THE SPECIFIED LUMINAIRE TO NOT REQUIRE A PHOTOMETRIC PLAN RESUBMITTAL AS NOTED BELOW. IF LUMEN OUTPUT DELTA IS GREATER THAN 200 LUMENS, CONTRACTOR / VENDOR SHALL SUBMIT A SUBSTITUTION REQUEST WHICH SHALL INCLUDE LUMINAIRE CUT SHEETS, ILLUMINATION LEVEL PHOTOMETRIC ANALYSIS FOR TYPICAL ROOMS, AND EACH UNIQUE SPACE, AS WELL AS LUMINAIRE LAYOUT PLANS FOR THE ENTIRE SCHOOL, TO DEMONSTRATE DESIGN LIGHT LEVELS ARE ACHIEVED. PRESET LIGHT LEVELS SHALL BE ESTABLISHED BASED ON ACTUAL FIELD ILLUMINATION LEVEL MEASUREMENTS TO ACHIEVE "HIGH", "MEDIUM", AND "LOW" LIGHTING LEVELS. THE LIGHTING CONTROL COMMISSIONING AGENT (LIGHTING CONTROL EQUIPMENT VENDOR) SHALL BE RESPONSIBLE FOR FIELD PROGRAMMING THE PRESET LEVELS FOR EACH AREA OR SPACE.

PROGRAM OCCUPANCY SENSORS FOR MANUAL ON / AUTO OFF (VACANCY MODE), UNLESS INSTALLED IN A RESTROOM WHERE AUTO ON/OFF IS ACCEPTABLE, UNLESS NOTED OTHERWISE. PROGRAM TIME OUT AS FOLLOWS, UNLESS NOTED OTHERWISE:

STORAGE, CUSTODIAL ROOMS, ETC.	5 MINUTES
CLASSROOMS, GYM LIBRARY, CAFETERIA	10 MINUTES
OFFICES, WORKROOMS, AND ASSOC. SPACES	10 MINUTES
TOILET ROOMS:	10 MINUTES

OS PROVIDE WALL MOUNTED SWITCH PIR OCCUPANCY SENSOR WITH SINGLE ZONE CONTROL. SENSOR SHALL BE CONFIGURED FOR MANUAL ON / AUTO OFF. CONFIGURE FOR 3-WAY SWITCHING WHERE REQUIRED ON DRAWINGS.

OD PROVIDE WALL MOUNTED SWITCH DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMING. SENSOR SHALL BE CONFIGURED FOR MANUAL ON / AUTO OFF. PROGRAM TO TURN ON LIGHTS TO LAST PROGRAMMED LIGHTING LEVEL OR ALLOW TO AUTOMATICALLY COME ON TO LESS THAN 49% FULL LIGHT OUTPUT.

OS1 PROVIDE DUAL TECHNOLOGY LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, WITH 2000 SQ FT COVERAGE. LOCATE ON CEILING IN CENTER OF ROOM (AWAY FROM THE DOOR) AND AIM INTO ROOM. CONNECT TO ROOM CONTROLLER.

OS2 PROVIDE DUAL TECHNOLOGY CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR WITH 2000 SQ. FT. COVERAGE. LOCATE CENTERED WITHIN SPACE AND WHERE IT WILL DETECT MOTION FROM DOORWAY.

OSW PROVIDE DUAL TECHNOLOGY LOW VOLTAGE WALL CORNER MOUNT OCCUPANCY SENSOR. LOCATE SENSOR ON WALL, 3'-6" AFF (OR AS RECOMMENDED BY MANUFACTURER) IN CORNER OF ROOM AND AIM TOWARD THE CENTER OF THE ROOM. CONNECT TO ROOM CONTROLLER.

OS4 PROVIDE DUAL TECHNOLOGY LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR WITH COVERAGE FOR A CORRIDOR/HALLWAY. SENSOR SHALL BE CONFIGURED FOR AUTO ON / AUTO OFF. ORIENT SENSOR FOR DETECTION PARALLEL TO CORRIDOR / HALLWAY. MULTIPLE SENSORS WILL NEED TO BE CONNECTED TOGETHER FOR DETECTION IN LARGE CORRIDORS / HALLWAYS. CONNECT TO POWER PACK OR SLAVE PACK.

OS5 PROVIDE DUAL TECHNOLOGY LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR FOR HIGH CEILING APPLICATIONS (I.E. GYMNASIUMS). CONNECT TO ROOM CONTROLLER OR POWER PACK. PROVIDE WIRE GROUND FOR USE IN GYMS.

P1 PROVIDE CEILING MOUNTED PHOTOCELL FOR INTERIOR DAYLIGHT HARVESTING. PHOTOCELL SHALL PROVIDE DIMMING CAPABILITIES OF THE LIGHTING ZONE INDICATED AS WELL AS COMPLETE SHUT-OFF OF THE LIGHTS. PHOTOCELL SHALL MEASURE THE DAYLIGHT CONTRIBUTION FROM SIDE WINDOWS. CONNECT TO ROOM CONTROLLER OR POWER PACK.

RC# PROVIDE ROOM CONTROLLER, ON/OFF-10V DIMMING, TO CONTROL UP TO THE NUMBER OF RELAYS INDICATED. # REFERS TO THE NUMBER OR RELAYS/ZONES CONTROLLED. #D OR #S INDICATES NUMBER OF DIMMED OR SWITCHED ZONES, RESPECTIVELY. FOR ROOM CONTROLLERS NOTED WITH AN "EM", PROVIDE CONNECTION TO AN EMERGENCY LIGHTING CONTROL UNIT WITH REMOTE TEST SWITCH MOUNTED IN CEILING ADJACENT TO EM LUMINAIRE. EM LUMINAIRE(S) SHALL OPERATE (ON/OFF/RAISE/LOWER) WITH THE ZONE OF LIGHTS INDICATED AND ONLY ENERGIZE TO FULL BRIGHT UPON POWER FAILURE. LOCATE ROOM CONTROLLER ABOVE ACCESSIBLE CEILING OR UP WITHIN THE JOIST/TRUSS CEILING CAVITY ABOVE WALL STATION(S), UNLESS NOTED OTHERWISE. WHERE LOCATED ABOVE CEILING, PROVIDE TYPED LABEL ON CEILING TEE GRID 'LIGHTING CONTROLLER ABOVE'. CONNECT ROOM CONTROLLER VIA MANUFACTURER'S RECOMMENDED CABLING TO OTHER LIGHTING CONTROL DEVICES IN ROOM. ROOM CONTROLLER SHALL BE RETURN AIR PLENUM RATED.

SLV PROVIDE LOW VOLTAGE SWITCH WALL STATION PER MANUFACTURER'S SYSTEM. REFER TO LIGHTING CONTROL FLAG NOTES FOR MORE INFORMATION.

EMSD PROVIDE EMERGENCY BYPASS RELAY, UL 524 LISTED DEVICE, WHERE INDICATED ON PLAN WITH REMOTE TEST SWITCH MOUNTED IN CEILING ADJACENT TO EM LUMINAIRE. PROVIDE SWITCHED EM CONTROL, AS INDICATED WITH AN "S" OR 0-10V DIMMED CONTROL AS INDICATED WITH A "D". EM LUMINAIRE(S) SHALL OPERATE (ON/OFF OR RAISE/LOWER) WITH THE ZONE OF LIGHTS INDICATED AND ONLY ENERGIZE TO FULL BRIGHT UPON POWER FAILURE. IF LOCATED ABOVE ACCESSIBLE CEILING, PROVIDE LABEL ON TEE GRID INDICATING "EM BYPASS RELAY ABOVE". IF LOCATED IN EXPOSED CEILING AREA, PROVIDE LABEL ON J-BOX AND/OR DEVICE. IF LOCATED ABOVE GYP CEILING, LOCATE NEAR ACCESS PANEL OR PROVIDE ACCESS PANEL NEAR DEVICE LOCATION.

LCP# PROVIDE 12-16 CIRCUIT LIGHTING CONTROL RELAY PANEL WITH INTEGRAL ASTROMONIC TIME CLOCK FOR AUTOMATIC CONTROL OF THE CORRIDOR, RESTROOM, COMMON AREA, CAFETERIA LIGHTING CIRCUITS. RELAY PANEL SHALL INTERFACE WITH AN INTERIOR PHOTOCELL. INTERIOR PHOTOCELL SHALL MONITOR DAYLIGHT LEVELS IN RESPECTIVE AREAS AND DIM THE LIGHTS TO APPROPRIATE LIGHTING LEVELS DETERMINED BY OWNER. REFER TO RELAY PANEL SCHEDULE FOR MORE INFORMATION.

ELECTRICAL GENERAL NOTES

DEVICE COVERPLATES: PROVIDE IDENTIFICATION OF CIRCUITS AT ALL INDIVIDUAL WALL SWITCHES, RECEPTACLES, AND CONTROL DEVICE STATIONS. IDENTIFY CIRCUITS WITH PREPRINTED LABEL ON THE FRONT SIDE OF THE COVERPLATE AS WELL AS IDENTIFY CIRCUITS WITH PERMANENT INK MARKER ON THE BACKSIDE OF THE COVERPLATE.

ALL PANELS WITH CIRCUITS INDICATED TO BE MODIFIED IN THESE DOCUMENTS SHALL BE PROVIDED WITH AN UPDATED, TYPED, PANEL DIRECTORY. INCLUDE CONTRACTOR'S CONTACT INFORMATION AND CLOSE-OUT DATE OF THE PROJECT.

EQUIPMENT IDENTIFICATION LABELS: ENGRAVED PLASTIC LAMINATE. INSTALL ON EACH UNIT OF EQUIPMENT, INCLUDING CENTRAL OR MASTER UNIT OF EACH SYSTEM. APPLY LABELS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF EQUIPMENT USING MECHANICAL FASTENERS:

- DISTRIBUTION AND CONTROL EQUIPMENT
 - IDENTIFY EQUIPMENT AS WELL AS LOADS SERVED
 - 1/4 INCH LETTERING FOR EQUIPMENT DESIGNATION
 - 1/8 INCH LETTERING TO IDENTIFY VOLTAGE & FAULT CURRENT RATING
 - 1/8 INCH LETTERING TO IDENTIFY FUSE RATING/TYPE
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
- INDIVIDUAL CIRCUIT BREAKERS AND SWITCHES IN PANELBOARDS AND SWITCHBOARDS
 - 1/8 INCH LETTERING TO IDENTIFY CIRCUIT AND LOAD SERVED, INCLUDING LOCATION.
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER INFORMATION
- PANELBOARDS, SWITCHBOARDS, ELECTRICAL CABINETS, INDIVIDUAL CIRCUIT BREAKERS, DISCONNECT SWITCHES, AND MOTOR STARTERS
 - 1/4 INCH LETTERING FOR EQUIPMENT DESIGNATION
 - 1/8 INCH LETTERING TO IDENTIFY VOLTAGE & FAULT CURRENT RATING
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
- TRANSFORMERS
 - 1/4 INCH LETTERING TO IDENTIFY EQUIPMENT DESIGNATION.
 - 1/8 INCH LETTERING TO IDENTIFY PRIMARY AND SECONDARY VOLTAGES, PRIMARY SOURCE, AND SECONDARY LOAD AND LOCATION.
 - 1/8 INCH LETTERING TO IDENTIFY LOAD SERVED
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
 - 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
- DEVICES ABOVE CEILING (ATTACH LABEL TO T-GRID / ACCESS PANEL):
 - 1/4 INCH LETTERING TO IDENTIFY EQUIPMENT DESIGNATION, MECHANICALLY FASTENED TO CEILING BELOW DEVICE.

LIGHTING PLAN GENERAL NOTES

REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

CIRCUIT ROUTING SHOWN IS DIAGRAMMATIC. CIRCUIT HOMERUN DESIGNATIONS ARE INDICATED AND SHALL BE STRICTLY FOLLOWED. ALL CIRCUITING SHALL BE COPPER CONDUCTORS IN CONDUIT (3/4" MINIMUM). LUMINAIRES MAY BE CONNECTED VIA MANUFACTURER PROVIDED FLEXIBLE CONDUIT/CONDUCTOR WHIPS. CONTRACTOR SHALL PROVIDE ALL WIRE, CONDUIT, JUNCTION/PULL BOXES, AND SUPPORTS, ETC. FOR A COMPLETE LIGHTING SYSTEM.

ALL WIRING SHALL BE IN COMPLIANCE WITH THE NEC LATEST EDITION. ALL MULTI-CIRCUIT BRANCH WIRING (120V OR 277V SINGLE PHASE CIRCUITS) INSTALLED IN A COMMON CONDUIT, WITH A COMMON NEUTRAL, SHALL ORIGINATE FROM A MULTI-POLE BREAKER OR SHALL BE INSTALLED WITH MULTI-POLE BREAKER HANDLE TIES. ALL MULTI-CIRCUIT BRANCH WIRING (120V OR 277V SINGLE PHASE CIRCUITS) INSTALLED IN A COMMON CONDUIT ORIGINATING AT SINGLE POLE BREAKERS SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

ALL DISTRIBUTION AND BRANCH CIRCUIT FEEDERS SHALL BE PROVIDED WITH AN INSULATED, GREEN GROUND WIRE.

ALL PANELS WITH CIRCUITS INDICATED TO BE MODIFIED IN THESE DOCUMENTS SHALL BE PROVIDED WITH AN UPDATED, TYPED, PANEL DIRECTORY. INCLUDE CONTRACTOR'S CONTACT INFORMATION AND CLOSE-OUT DATE OF THE PROJECT.

ROUTE ALL CONDUIT/CIRCUITING IN FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILING, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS AND LINES. ANY SURFACE MOUNTED CONDUIT MOUNTED TO FINISHED SURFACES OR LOCATED IN FINISHED SPACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

SURFACE MOUNTED CONDUIT IN FINISHED SPACES AND/OR SPACES NORMALLY OCCUPIED BY STUDENTS OR STAFF SHALL MOUNTED TIGHT AGAINST THE WALL WITH SINGLE OR DOUBLE HOLE STRAPS.

CONTRACTOR SHALL EXAMINE ALL EXISTING LUMINAIRES THAT ARE INDICATED TO REMAIN OR BE RELOCATED AND REPAIR ALL DAMAGED UNITS OR REPLACE UNREPAIRABLE UNITS WITH NEW TO MATCH EXISTING. THIS INCLUDES PROVIDING NEW LAMPS TO REPLACE NON-WORKING LAMPS AS WELL AS REPLACE LAMPS THAT DO NOT MATCH THE PREDOMINANT LAMP COLOR TEMPERATURE.

ALL CEILING MOUNTED AND SUSPENDED LUMINAIRES SHALL HAVE A MINIMUM OF TWO SUPPORTS CONNECTED DIRECTLY TO STRUCTURAL COMPONENTS OF THE BUILDING.

CONNECT ALL EXIT SIGNS AND EMERGENCY LUMINAIRES TO UNSWITCHED CONDUCTOR OF THE INDICATED CIRCUIT.

MOUNTING HEIGHTS ARE AS FOLLOWS UNLESS NOTED OTHERWISE OR A PREVIOUS BUILDING STANDARD HAS BEEN ESTABLISHED.

SWITCHES	+44"
WALL MOUNT LUMINAIRES	+84"
EXIT SIGNS	+84"
EM EGRESS LUMINAIRES	+84"

ALL DIMENSIONS ARE TO THE CENTER OF THE DEVICE.

CODE REFERENCES

IBC	INTERNATIONAL BUILDING CODE (2021)
IEBC	INTERNATIONAL EXISTING BUILDING CODE (2021)
IMC	INTERNATIONAL MECHANICAL CODE (2021)
IECC	INTERNATIONAL ENERGY CONSERVATION CODE (2021)
CPC	COLORADO PLUMBING CODE (2018)
IFC	INTERNATIONAL FIRE CODE (2021)
CFGC	COLORADO FUEL GAS CODE (2018)
NEC	NATIONAL ELECTRICAL CODE (2023)
NFPA	NFPA 170 (2021)
ANSI	ANSI 117.1 (2021)

ELECTRICAL GENERAL NOTES

REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

THE ELECTRICAL INSTALLATION SHALL BE IN COMPLIANCE WITH THE FOLLOWING: NATIONAL ELECTRICAL CODE (NEC) LOCAL ENFORCED EDITION.

CIRCUITING ROUTING SHOWN IS DIAGRAMMATIC. CIRCUIT DESIGNATIONS ARE INDICATED AND SHALL BE STRICTLY FOLLOWED. ALL CIRCUITING SHALL BE COPPER CONDUCTORS IN CONDUIT (3/4" MINIMUM). LUMINAIRES MAY BE CONNECTED VIA MANUFACTURER PROVIDED FLEXIBLE CONDUIT/CONDUCTOR WHIPS. CONTRACTOR SHALL PROVIDE ALL WIRE, CONDUIT, JUNCTION/PULL BOXES, AND SUPPORTS ETC. FOR A COMPLETE ELECTRICAL SYSTEM.

ALL NEW (120V OR 277V SINGLE PHASE) BRANCH CIRCUIT WIRING SHALL ORIGINATE AT SINGLE POLE BREAKERS AND SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

ANY EXISTING MULTI-CIRCUIT BRANCH WIRING (120V OR 277V SINGLE PHASE CIRCUITS) INSTALLED IN A COMMON CONDUIT, WITH A COMMON NEUTRAL, SHALL ORIGINATE FROM A MULTI-POLE BREAKER OR SINGLE POLE BREAKERS WITH MULTI-POLE BREAKER HANDLE TIES. THE CONTRACTOR SHALL HAVE THE OPTION TO REWIRE THE BRANCH CIRCUITS WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

ALL DISTRIBUTION AND BRANCH CIRCUIT FEEDERS SHALL BE PROVIDED WITH AN INSULATED, GREEN GROUND WIRE.

ROUTE ALL CONDUIT/CIRCUITING IN FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILING, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS AND LINES. ANY SURFACE MOUNTED CONDUIT MOUNTED TO FINISHED SURFACES OR LOCATED IN FINISHED SPACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

SURFACE MOUNTED CONDUIT IN FINISHED SPACES AND/OR SPACES NORMALLY OCCUPIED BY STUDENTS OR STAFF SHALL MOUNTED TIGHT AGAINST THE WALL WITH SINGLE OR DOUBLE HOLE STRAPS.

MOUNTING HEIGHTS ARE AS FOLLOWS UNLESS NOTED OTHERWISE OR A PREVIOUS BUILDING STANDARD HAS BEEN ESTABLISHED.

POWER RECEPTACLES	+18"
TELEPHONE AND DATA OUTLETS	+18"
SWITCHES	+44"

ALL DIMENSIONS ARE TO THE CENTER OF THE DEVICE.

NEW TELEPHONE, DATA, AND TELEDATA COMBINATION OUTLETS SHALL CONSIST OF A 4" SQUARE BACK BOX, SINGLE GANG PLASTER RING, AND 1" CONDUIT TO ABOVE THE CEILING. PROVIDE A RUBBER CABLE PROTECTION BUSHING ON THE END OF THE CONDUIT STUBBED OUT ABOVE THE CEILING. THE NUMBER ADJACENT TO THE OUTLET SYMBOL ON THE DRAWINGS INDICATES THE QUANTITY OF OUTLET DEVICE JACKS AND ASSOCIATED CABLES TO BE INSTALLED AT THAT LOCATION.

COORDINATE EXACT POWER AND INSTALLATION REQUIREMENTS OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTALLATION LITERATURE.

CONTRACTOR SHALL EXAMINE ALL EXISTING DEVICES THAT ARE INDICATED TO REMAIN OR BE RELOCATED (RECEPTS, SWITCHES, DIMMERS ETC.) AND REPLACE DAMAGED UNITS WITH NEW.

ALL CEILING MOUNTED AND SUSPENDED LUMINAIRES SHALL HAVE A MINIMUM OF TWO SUPPORTS CONNECTED DIRECTLY TO STRUCTURAL COMPONENTS OF THE BUILDING.

CONNECT ALL EXIT SIGNS AND EMERGENCY LUMINAIRES TO UNSWITCHED CONDUCTOR OF THE INDICATED CIRCUIT.

ANY SUBSTITUTE LUMINAIRE PACKAGE SHALL MEET THE DISTRICT'S ILLUMINATION CRITERIA INDICATED IN THE DISTRICT TECHNICAL GUIDELINES AND INDICATED IN THE CONTRACT DOCUMENTS (CONSTRUCTION DRAWINGS AND SPECIFICATIONS). CONTRACTOR / VENDOR SHALL SUBMIT A SUBSTITUTION REQUEST WHICH SHALL INCLUDE LUMINAIRE CUT SHEETS, ILLUMINATION LEVEL PHOTOMETRIC ANALYSIS FOR TYPICAL ROOMS, AND EACH UNIQUE SPACE, AS WELL AS LUMINAIRE LAYOUT PLANS FOR THE ENTIRE SCHOOL, TO DEMONSTRATE DESIGN LIGHT LEVELS ARE ACHIEVED. PRESET LIGHT LEVELS SHALL BE ESTABLISHED BASED ON ACTUAL FIELD ILLUMINATION LEVEL MEASUREMENTS TO ACHIEVE "HIGH", "MEDIUM", AND "LOW" LIGHTING LEVELS. THE LIGHTING CONTROL COMMISSIONING AGENT (LIGHTING CONTROL EQUIPMENT VENDOR) SHALL BE RESPONSIBLE FOR FIELD PROGRAMMING THE PRESET LEVELS FOR EACH AREA OR SPACE.

CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORTS FOR ALL EXISTING EQUIPMENT, CONDUIT (RIGID AND FLEX), AS WELL AS CABLE LOCATED ABOVE THE CEILING. SUPPORT FROM STRUCTURE AS REQUIRED BY NEC.

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COMPLETE THE UTILITY COMPANY LIGHTING REBATE APPLICATION FORM WITH APPROPRIATE LUMINAIRE, LAMP, AND BALLAST INFORMATION, AS WELL AS PROVIDE THE NECESSARY BACKUP INFORMATION (PURCHASE RECEIPTS/BILL OF MATERIALS). REFER TO SPECIFICATION SECTION 26 5100 FOR MORE INFORMATION.

INSULATION COLOR: ALL INSULATED CONDUCTORS (SERVICE ENTRANCE FEEDER, AND BRANCH CIRCUIT) SHALL HAVE FULL COLORED INSULATION COLORS AS SPECIFIED IN SECTION 26 05 33 IDENTIFICATION FOR ELECTRICAL SYSTEMS, FOR THE ENTIRE LENGTH OF THE CONDUCTOR. NEUTRAL CONDUCTORS INSTALLED, IN COMPLIANCE WITH THE NEC-LATEST EDITION FOR EACH SINGLE POLE BREAKER, SHALL HAVE A TRACER STRIPE TO MATCH THE CORRESPONDING PHASE CONDUCTOR COLOR.

USE OF MC CABLE IS PROHIBITED EXCEPT FOR LUMINAIRE CONNECTION WHIPS (MAXIMUM OF 8 FT ROUTED FROM A HOMERUN CONDUIT J-BOX TO AN INDIVIDUAL LUMINAIRE).

USE OF AC, NM, ENT, OR OTHER MANUFACTURED PRE-WIRED SYSTEMS CABLE IS PROHIBITED.

FOR STEEL CONDUIT LARGER THAN 1 1/2-INCH SIZE, PROVIDE STEEL INSULATED TYPE BUSHINGS, DESIGNED TO PREVENT ABRASION OF WIRES WITHOUT IMPAIRING THE CONTINUITY OF THE CONDUIT GROUNDING SYSTEM. GROUNDING BUSHINGS SHALL BE LOCKING TYPE AND SHALL BE PROVIDED WITH A FEED-THROUGH COMPRESSION LUG FOR SECURING THE GROUND CABLES. PROVIDE LISTED WATERPROOF FITTINGS FOR ALL CONDUIT IN WET LOCATIONS, SUCH AS EXPOSED TO WEATHER.

GROUNDING BUSHINGS SHALL BE STEEL AND INSTALLED AT BOTH ENDS OF THE CONDUIT ON ALL FEEDERS, AS WELL AS ALL TRANSFORMER, MOTOR, MOTOR CONTROLLER, KITCHEN, AND TVSS EQUIPMENT BRANCH CIRCUITS.

LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE PROVIDED IN SUFFICIENT LENGTHS FOR MAKEUP OF MOTORS, TRANSFORMERS, OR EQUIPMENT, AND/OR RACEWAY CONNECTIONS WHERE ISOLATION OF SOUND AND VIBRATION TRANSMISSION IS REQUIRED.

BOXES SHALL BE PRESSED STEEL, GALVANIZED OR CADMIUM-PLATED (4-INCH X 2 1/8" DEEP MINIMUM SQUARE FOR ALL WALL LOCATIONS, 4 1/16-INCH X 2 1/8" DEEP MINIMUM SQUARE FOR ALL ABOVE CEILING LOCATIONS), SURFACE-MOUNTED DEVICE BOXES MOUNTED BELOW 8 FEET AFF SHALL BE (BELL) CAST-TYPE BOXES WITH THREADED KNOCK-OUTS (PROVIDE WITH KNOCK-OUTS ONLY AS REQUIRED BY CONDUIT ENTERING/LEAVING).

POWER, LIGHTING, AND TELECOM

- J-BOX
- MOTOR
- CEILING RECEPTACLE
- FLOOR RECEPTACLE
- DUPLEX RECEPTACLE
- FOUR-PLEX RECEPTACLE
- SPLIT DUPLEX RECEPTACLE WITH ONE-HALF CONTROLLED LOAD
- 4-PLEX WITH ONE NON-CONTROLLED LOAD DUPLEX AND ONE CONTROLLED LOAD DUPLEX
- BLANK FACE GFI DEVICE
- 4-PLEX WITH ONE GFI DUPLEX AND ONE GFI PROTECTED STANDARD DUPLEX
- 4-PLEX WITH ONE NON-CONTROLLED LOAD GFI DUPLEX AND ONE CONTROLLED LOAD GFI DUPLEX
- SPECIAL NEMA RECEPTACLE
- HEAVY DUTY DISCONNECT SWITCH
- MOTOR STARTER / CONTACTOR
- HEAVY DUTY STARTER-DISCONNECT
- VFD MOTOR STARTER
- VFD HEAVY DUTY STARTER-DISCONNECT
- TRANSFORMER
- SURGE SUPPRESSION DEVICE
- METER
- POWER RECEPTACLES
- THERMAL OVERLOAD SW
- BRANCH CIRCUIT PANEL
- TELEPHONE OUTLET
- TELE-DATA OUTLET
- DATA OUTLET - # INDICATES NUMBER OF DATA DROPS
- TELEPHONE OUTLET FLOOR
- TELE-DATA OUTLET FLOOR
- TV OUTLET
- EMERGENCY BATTERY LIGHT
- WALL MOUNTED EXIT SIGN
- CEILING MOUNT EXIT SIGN
- CLG MXT EMV LT COMBO
- SURFACE WALL LUMINAIRE
- SURFACE CEILING LUMINAIRE
- KEYLESS LAMP HOLDER
- RECESSED DOWNLIGHT
- RECESSED WALL WASHER LUMINAIRE STRIP
- SURFACE OR WALL LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED LUMINAIRE 1x4
- TRACK LIGHTING
- PARKING LOT POLE LIGHT
- PEDESTRIAN POLE LUMINAIRE
- FLOOD LUMINAIRE
- SWITCH
- 3-WAY SWITCH
- OCCUPANCY SENSOR SWITCH
- OCC. SENSOR DIMMER SWITCH
- LOW VOLTAGE SWITCH
- DIMMER SWITCH
- PHOTOCELL
- OCCUPANCY SENSOR
- OCC. SEN. POWER PACK
- ROOM CONTROLLER
- NETWORK ROOM CONTROLLER
- TIME CLOCK
- EM BYPASS/TRANSFER DEVICE
- REMOTE DRIVER
- CLOCK-WALL MOUNT
- CLOCK/SPEAKER IN COMBINATION BACK-BOX
- SPEAKER-WALL MOUNT
- SPEAKER HORN-WALL MOUNT
- SPEAKER-RECESSED CEILING (HARD CEILING)
- SPEAKER-RECESSED CEILING (LAYIN GRID CEILING)
- SPEAKER-SURFACE OR PENDANT MOUNT CEILING
- CALL STATION
- PUSH BUTTON STATION

GENERAL

- SECTION BUBBLE
 - SECTION LETTER
 - REFERENCE DWG NUMBER
- REFERENCE BUBBLE
 - SECTION NUMBER
 - REFERENCE NUMBER
- REVISION NUMBER
- EQUIPMENT TAG
- DRAWING NOTE
- FLAG NOTE
- BREAKLINE
- MATCHLINE
- WIREMOLD
- OVERHEAD PRIMARY ELECTRIC
- OVERHEAD SECONDARY ELECTRIC
- UNDERGROUND PRIMARY ELECTRIC
- UNDERGROUND SECONDARY ELECTRIC
- UNDERGROUND BRANCH ELECTRIC
- OVERHEAD BRANCH ELECTRIC
- UNDERGROUND COMMUNICATION
- BOLD LINEWEIGHT AND/OR "N" INDICATES NEW DEVICE OR EQUIPMENT
- BOLD LINEWEIGHT AND/OR "R" INDICATES DEVICE OR EQUIPMENT TO BE REPLACED
- LIGHT LINEWEIGHT AND/OR "E" INDICATES EXISTING DEVICE TO REMAIN
- DASHED LINETYPE AND/OR "D" INDICATES DEVICE TO BE REMOVED / DEMOLISHED

ELECTRONIC SAFETY AND SECURITY

- MAGNETIC DOOR HOLD
- SMOKE DETECTOR
- THERMAL DETECTOR
- DUCT SMOKE DETECTOR
- MANUAL PULL STATION
- WALL ALARM STROBE LIGHT
- CEILING ALARM STROBE LIGHT
- ALARM SPEAKER OR HORN
- REMOTE INDICATOR LIGHT
- FLOW SWITCH
- TAMPER SWITCH
- CONTROL MODULE
- MONITOR MODULE
- BEAM DETECTION TRANSMITTER
- BEAM DETECTION RECEIVER
- CARBON MONOXIDE DETECTOR
- REMOTE TEST SWITCH
- AIPHONE MONITOR STATION
- AIPHONE INTERCOM STATION
- ELECTRIC DOOR HARDWARE
- GLASS BREAK DETECTOR
- CAMERA
 - 90 DEGREE CAMERA
 - 180 DEGREE CAMERA
 - 270 DEGREE CAMERA
 - 360 DEGREE CAMERA
- MOTION SENSOR
- DOOR SWITCH
- REQUEST TO EXIT
- REMOVABLE MULLIONS
- ELECTRIC STRIKE
- SMART POWER PACK FOR ELECTRIC STRIKE
- INOVONICS MULTI-CHANNEL WIRELESS RECEIVER
- LOCK OUT BUTTON (HARD-WIRED)
- LOCK DOWN BUTTON (HARD-WIRED)
- MOMENTARY SWITCH WITH INOVONICS TRANSMITTER
- DOOR OVERRIDE SWITCH (HARD-WIRED)
- CARD READER
- DOOR ALARM
- VISTA SECURITY KEYPADS
- HANDICAP DOOR ACTUATION BUTTON
- ENTRY INTERCOM

DEFINITIONS

- AC INDICATES ABOVE COUNTER, COORDINATE EXACT HEIGHT
- BC INDICATES BELOW COUNTER, COORDINATE EXACT HEIGHT
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- GFI INDICATES GROUND FAULT CIRCUIT INTERRUPT DEVICE
- D INDICATES EXISTING DEVICE TO BE REMOVED
- E INDICATES EXISTING DEVICE TO REMAIN AS IS
- ELEC ELECTRICAL / ELECTRONIC
- EC ELECTRICAL CONTRACTOR
- GC GENERAL CONTRACTOR
- SSC ELEC SECURITY CONTRACTOR
- TC TELECOM CABLING CONTRACTOR
- R INDICATES EXISTING DEVICE TO BE REPLACED
- RL INDICATES EXISTING DEVICE TO BE RELOCATED TO POSITION SHOWN
- SPD INDICATES SURGE SUPPRESSION DEVICE
- USB INDICATES UNIVERSAL SERIAL BUS DEVICE
- VFD INDICATES VARIABLE FREQUENCY MOTOR DRIVE
- WP INDICATES WEATHERPROOF EQUIPMENT/DEVICE
- EMT ELECTRICAL METALLIC CONDUIT
- FMC FLEXIBLE METALLIC CONDUIT
- LFC LIQUIDTIGHT FLEXIBLE CONDUIT
- PVC POLYVINYL CHLORIDE CONDUIT
- RNC RIGID NONMETALLIC CONDUIT
- RSC RIGID STEEL CONDUIT
- CT CURRENT TRANSFORMER
- HVAC HEATING, VENTILATION AIR CONDITIONING
- LED LIGHT EMITTING DIODE
- AIC AMPS INTERRUPTING CAPACITY
- Isc SHORT CIRCUIT CURRENT
- FLA FULL LOAD AMPS
- MCA MINIMUM CIRCUIT AMPS
- MCCB MOLDED-CASE CIRCUIT BREAKER
- MCP MOTOR CIRCUIT PROTECTOR
- MOCP MAXIMUM OVERCURRENT PROTECTION
- OCPP OVERCURRENT PROTECTIVE DEVICE
- N.C. NORMALLY CLOSED
- N.O. NORMALLY OPEN
- NL NIGHT LIGHT
- NEC NATIONAL ELECTRICAL CODE NFPA 70
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- UL UNDERWRITERS LABORATORY
- ACS ACCESS CONTROL SYSTEM
- SDS SECURITY DETECTION SYSTEM
- VSS VIDEO SURVEILLANCE SYSTEM
- ANN FIRE ALARM ANNUNCIATOR PANEL
- DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER
- EOL END-OF-LINE
- FACP FIRE ALARM CONTROL PANEL
- NAC NOTIFICATION APPLIANCE CIRCUIT
- SLC SIGNALING LOOP CIRCUIT
- AV AUDIOVISUAL
- MDF MAIN DISTRIBUTION FACILITY
- IDF INTERMEDIATE DISTRIBUTION FACILITY
- LAN LOCAL AREA NETWORK
- WAN WIDE AREA NETWORK
- TBB TELECOMMUNICATIONS BONDING BACKBONE
- TGB TELECOMMUNICATIONS GROUNDING BUS BAR
- TMGB TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
- UPS UNINTERRUPTIBLE POWER SUPPLY
- DLZ# DAYLIGHT ZONE
- UNO UNLESS NOTED OTHERWISE
- OAD OVERALL ALL DROP
- OSP OUTSIDE PLANT

Snowmass Little Red Schoolhouse ECE 4598 Owl Creek Rd, Snowmass Village, CO 81615 Town of Snowmass Village

NOT FOR CONSTRUCTION

PROJECT NUMBER 2023-07 DATE 07/12/2024 ISSUED FOR: 50% DESIGN DEVELOPMENT

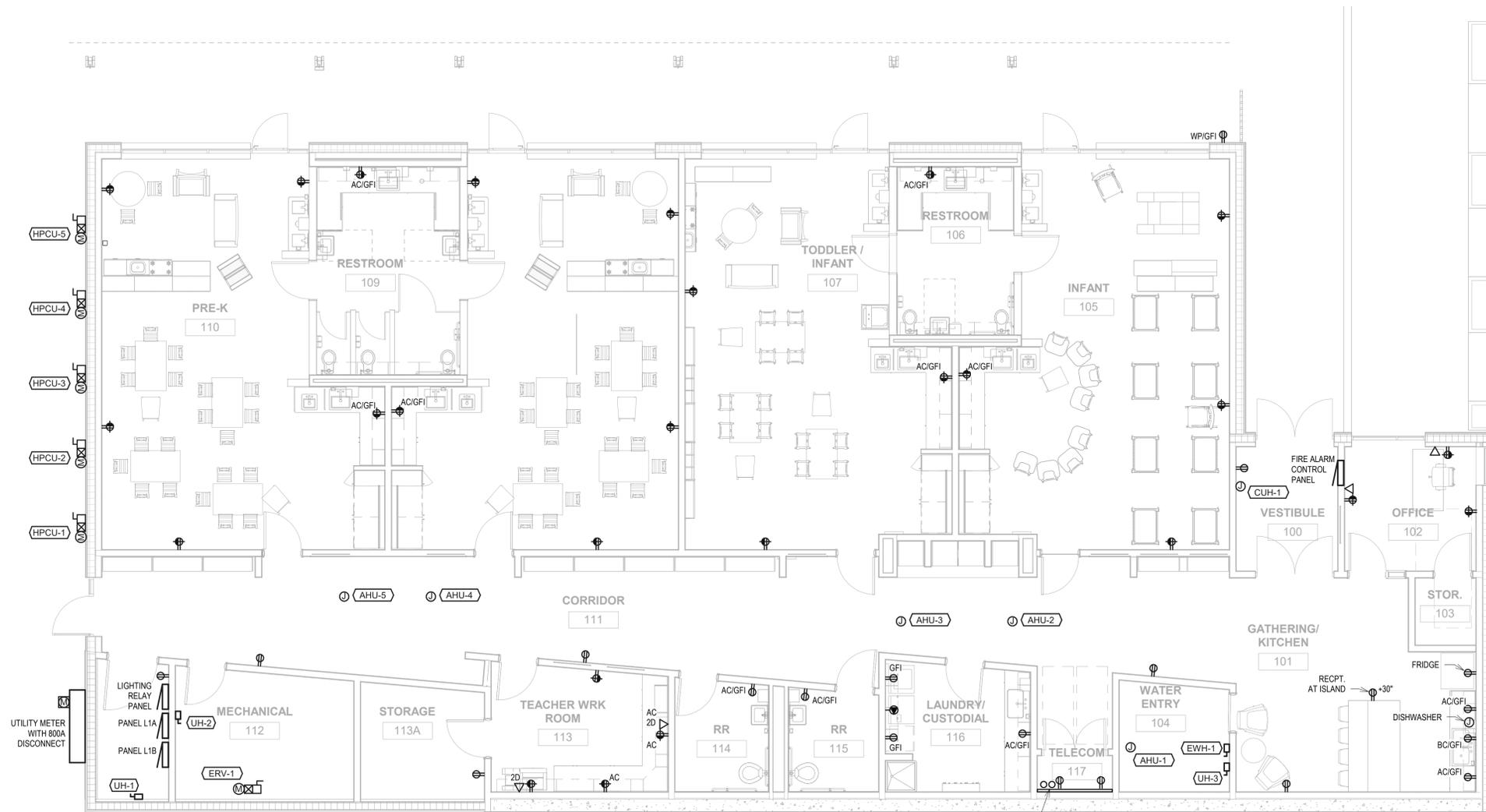
REVISIONS

DATE APPROVAL: AEI DRAWN BY: MR CHECKED BY: DJA

SHEET TITLE ELECTRICAL LEGEND AND NOTES

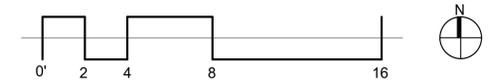
ELECTRICAL NOTES

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES,
LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL NOTES.



PROVIDE (2) 4 INCH CONDUITS FOR
TELECOM SERVICE, 3/4" PLYWOOD
BACKBOARD AND TTB GROUND BAR,
SEE ONE-LINE DIAGRAM

1 FIRST FLOOR POWER PLAN
3/16" = 1'-0"



NOT FOR CONSTRUCTION

**Snowmass Little Red Schoolhouse
ECE**
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

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2023-07
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REVISIONS

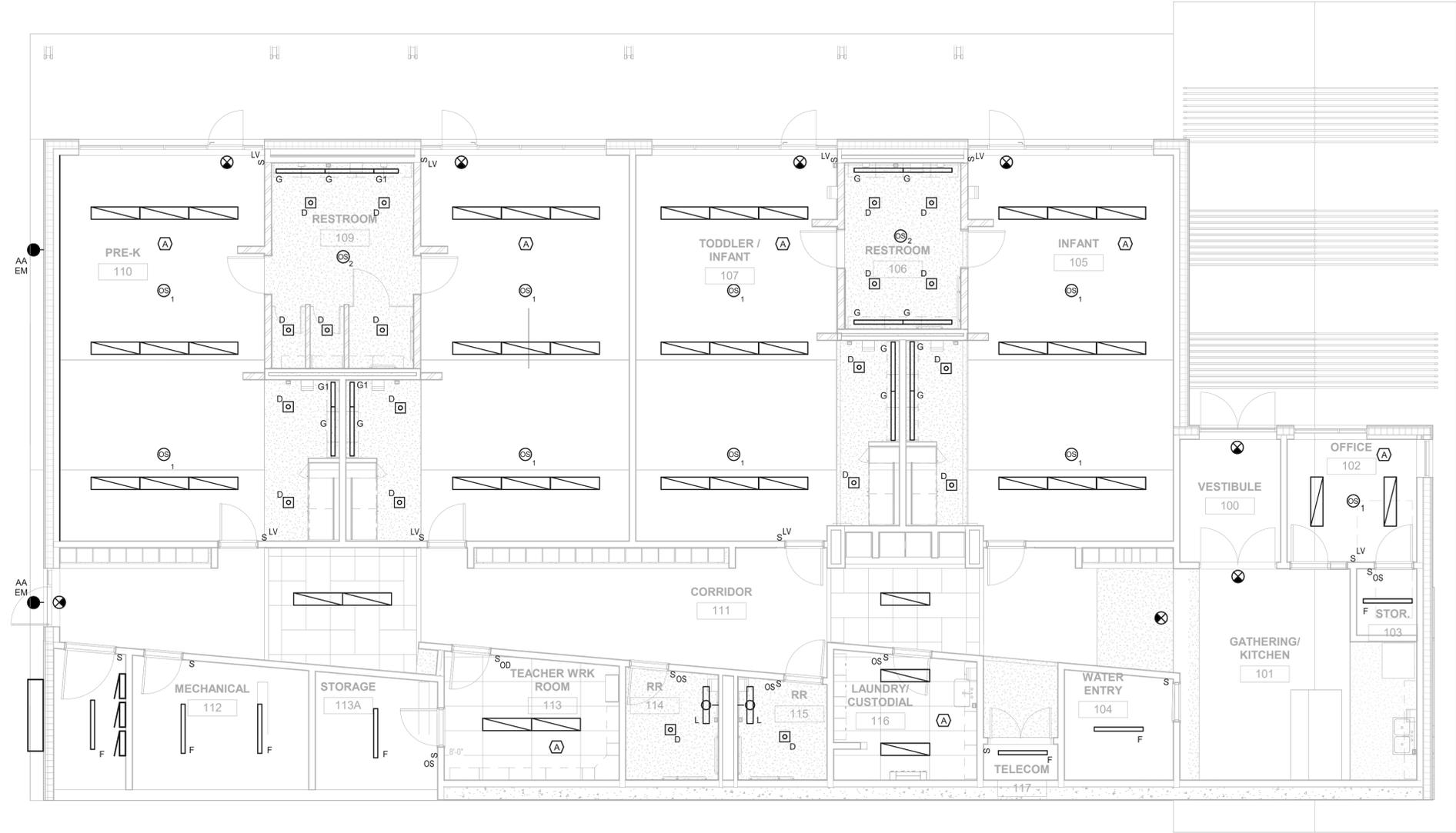
QA/QC APPROVAL: AEI
DRAWN BY: MR
CHECKED BY: DJA

SHEET TITLE
**FIRST FLOOR POWER
PLAN**

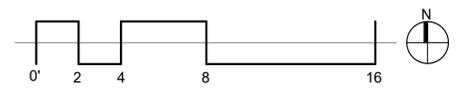
SHEET NO.
E111

ELECTRICAL NOTES

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES,
LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL NOTES.



② FIRST FLOOR LIGHTING PLAN
3/16" = 1'-0"



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Snowmass Little Red Schoolhouse
ECE
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 Town of Snowmass Village

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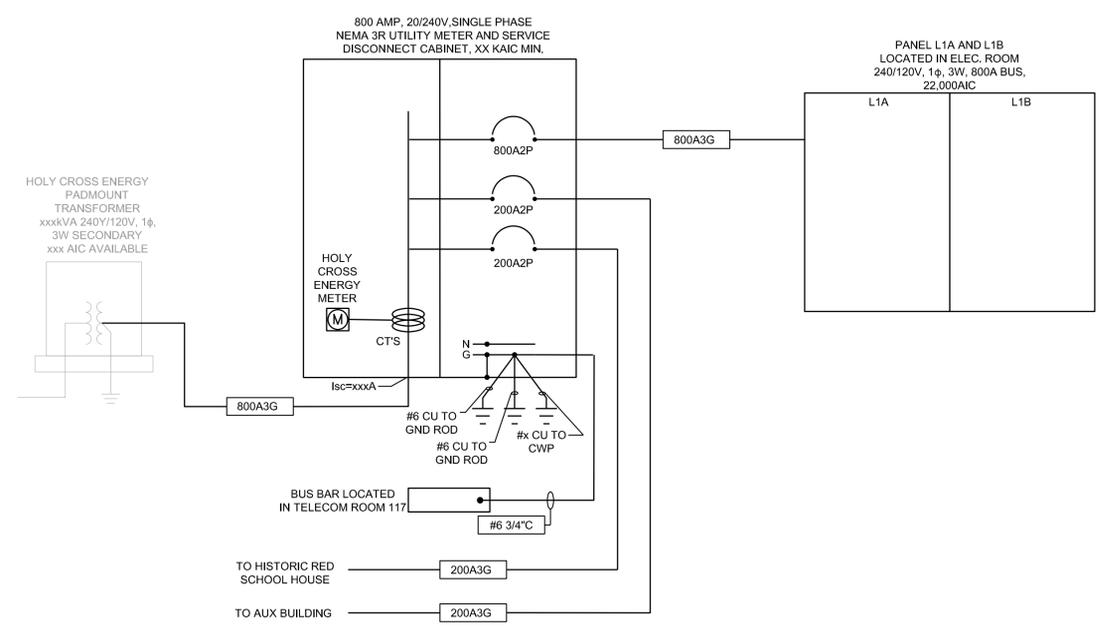
SHEET TITLE
FIRST FLOOR LIGHTING PLAN

SHEET NO.
E121

FEEDER SCHEDULE					
ALL WIRE SHALL BE COPPER UNLESS NOTED OTHERWISE					
Feeder Key	# of Runs	Wire Size	Ground	Conduit	Notes
20A.3G	1 Set	3#12	+1#12G	3/4"C	1
20A.4G	1 Set	4#12	+1#12G	3/4"C	1
30A.3G	1 Set	3#10	+1#10G	3/4"C	1
30A.4G	1 Set	4#10	+1#10G	3/4"C	1
40A.3G	1 Set	3#8	+1#8G	3/4"C	1
40A.4G	1 Set	4#8	+1#8G	3/4"C	1
50A.3G	1 Set	3#6	+1#6G	1"C	
50A.4G	1 Set	4#6	+1#6G	1"C	
60A.3G	1 Set	3#4	+1#8G	1 1/4"C	
60A.4G	1 Set	4#4	+1#8G	1 1/4"C	
70A.3G	1 Set	3#4	+1#8G	1 1/4"C	
70A.4G	1 Set	4#4	+1#8G	1 1/4"C	
80A.3G	1 Set	3#3	+1#8G	1 1/4"C	
80A.4G	1 Set	4#3	+1#8G	1 1/4"C	
100A.3G	1 Set	3#1	+1#8G	1 1/2"C	
100A.4G	1 Set	4#1	+1#8G	1 1/2"C	
100A.4SG	1 Set	4#1	+1#6G	1 1/2"C	
125A.3G	1 Set	3#1	+1#6G	1 1/2"C	
125A.4G	1 Set	4#1	+1#6G	1 1/2"C	
125A.4SG	1 Set	4#1	+1#6G	1 1/2"C	
150A.3G	1 Set	3#1/0	+1#6G	2"C	
150A.4G	1 Set	4#1/0	+1#6G	2"C	
150A.4SG	1 Set	4#1/0	+1#6G	2"C	
175A.3G	1 Set	3#2/0	+1#6G	2"C	
175A.4G	1 Set	4#2/0	+1#6G	2"C	
175A.4SG	1 Set	4#2/0	+1#4G	2"C	
200A.3G	1 Set	3#3/0	+1#6G	2 1/2"C	
200A.4G	1 Set	4#3/0	+1#6G	2 1/2"C	
200A.4SG	1 Set	4#3/0	+1#4G	2 1/2"C	
225A.3G	1 Set	3#4/0	+1#4G	2 1/2"C	
225A.4G	1 Set	4#4/0	+1#4G	2 1/2"C	
225A.4SG	1 Set	4#4/0	+1#2G	2 1/2"C	
250A.3G	1 Set	3-250kcmil	+1#4G	2 1/2"C	
250A.4G	1 Set	4-250kcmil	+1#4G	2 1/2"C	
250A.4SG	1 Set	4-250kcmil	+1#2G	2 1/2"C	
300A.3G	1 Set	3-350kcmil	+1#4G	3"C	
300A.4G	1 Set	4-350kcmil	+1#4G	3"C	
300A.4SG	1 Set	4-350kcmil	+1#2G	3"C	
350A.3G	1 Set	3-500kcmil	+1#3G	3 1/2"C	
350A.4G	1 Set	4-500kcmil	+1#3G	3 1/2"C	
350A.4SG	1 Set	4-500kcmil	+1#2G	3 1/2"C	
400A.3G	2 Sets	3#3/0	+1#3G	2 1/2"C	
400A.4G	2 Sets	4#3/0	+1#3G	2 1/2"C	
400A.4SG	2 Sets	4#3/0	+1#1/0G	2 1/2"C	
500A.3G	2 Sets	3-250kcmil	+1#2G	2 1/2"C	
500A.4G	2 Sets	4-250kcmil	+1#2G	2 1/2"C	
500A.4SG	2 Sets	4-250kcmil	+1#1/0G	2 1/2"C	
600A.3G	2 Sets	3-350kcmil	+1#1G	3"C	
600A.4G	2 Sets	4-350kcmil	+1#1G	3"C	
600A.4SG	2 Sets	4-350kcmil	+1#1/0G	3"C	
800A.3G	3 Sets	3-300kcmil	+1#1/0G	3"C	
800A.4G	3 Sets	4-300kcmil	+1#1/0G	3"C	
800A.4SG	3 Sets	4-300kcmil	+1#1/0G	3"C	

Refer to Electrical Equipment Connection Schedule for Mechanical and Bldg Equipment Feeder Ratings <

- NOTES:
1 Minimum 1" Conduit for all underground installations



LRSH ELECTRICAL ONE LINE DIAGRAM

SCALE: NONE



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PROJECT NUMBER
2023-07
DATE
07/12/2024
ISSUED FOR:
50% DESIGN DEVELOPMENT
REVISIONS

QA/QC APPROVAL: AEI
DRAWN BY: MR
CHECKED BY: DJA

SHEET TITLE
**ELECTRICAL ONE
LINE DIAGRAM**

SHEET NO.
E500

NOT FOR CONSTRUCTION

Key	Wattage, LED Color	Delivered Lumens	Driver & Dimming	Description	Finish	Mount	Specification		Max Input Volt	Notes
							Manufacturer	Catalog Number		
A	33 3500k	4581	1% 0-10V	1' X 4' DIRECT LED WITH INTEGRAL DIMMING DRIVER	STANDARD	RECESSED	METALUX	14CGTS-L3C3	120	35
A EM	33 3500k	4581	1% 0-10V	SAME AS TYPE A EXCEPT WITH INTEGRAL EMERGENCY BATTERY	STANDARD	RECESSED	METALUX	14CGTS-L3C3-EL7W	120	35
B				NOT USED						
C				NOT USED						
D	10 3500K	1000	1% 0-10V	4" APERTURE LED DOWNLIGHT WITH INTEGRAL DIMMING DRIVER	STANDARD	RECESSED	PORTFOLIO	LD4C SERIES	120	10
F	21 3500K	3443	1% 0-10V	3" X 2" X 4" LED STRIPLIGHT WITH FROSTED LENS AND INTEGRAL DIMMING DRIVER	STANDARD	PENDANT	METALUX	4SNX-33SL-FDL-UNV-483-L835-CD-1	120	25
G	21 3500K	3443	1% 0-10V	INDIRECT LED STRIPLIGHT WITH FROSTED LENS AND INTEGRAL DIMMING DRIVER	STANDARD	SURFACE TOP OF CABINET	METALUX	4SNX-33SL-FDL-UNV-483-L835-CD-1	120	25
G1	12 3500K	1773	1% 0-10V	INDIRECT LED STRIPLIGHT WITH FROSTED LENS AND INTEGRAL DIMMING DRIVER	STANDARD	SURFACE TOP OF CABINET	METALUX	2SNX-19SL-FDL-UNV-483-L835-CD-1	120	15
X	1	NA	NA	SINGLE FACE LED EXIT SIGN W/ INTEGRAL EM. BATTERY, ARROWS AND MOUNTING PER DRAWINGS, CAST ALUMINUM HOUSING	WHITE WITH GREEN LETTERS	VARIABLE REFER TO DRAWINGS	SURELITE	CX-7 SERIES-SINGLE FACE	120	2
X1	1	NA	NA	DOUBLE FACE LED EXIT SIGN W/ INTEGRAL EM. BATTERY, ARROWS AND MOUNTING PER DRAWINGS, CAST ALUMINUM HOUSING	WHITE WITH GREEN LETTERS	VARIABLE REFER TO DRAWINGS	SURELITE	CX-7 SERIES-DOUBLE FACE	120	2
Y	1	30 FT SPACING	NA	EMERGENCY LIGHT WITH INTEGRAL BATTERY, 30 FT SPACING	WHITE WITH GREEN LETTERS	VARIABLE REFER TO DRAWINGS	SURELITE	AP2SQ-LED-30	120	2
AA	20	2046	1% 0-10V	16" X 8" X 8" WET LISTED LED WITH CUT-OFF OPTICS AND INTEGRAL DIMMING DRIVER	PER ARCHITECT	SURFACE WALL	INVUE	ENT-SA1-350MA-835-120-T3-X	120	20
AA EM	20	2046	1% 0-10V	SAME AS TYPE AA EXCEPT WITH INTEGRAL COLD WEATHER EMERGENCY BATTERY	PER ARCHITECT	SURFACE WALL	INVUE	ENT-SA1-350MA-835-120-T3-X-CBP	120	20
BB #	1.8 PER FT 3500K	200 PER FT	1% 0-10V	EXTERIOR RATED LED WITH CUT-OFF OPTICS AND INTEGRAL DIMMING DRIVER	PER ARCHITECT	RECESSED	LUMENWERX	VIA 2 SERIES	120	2 PER FT
BB # EM	1.8 PER FT 3500K	200 PER FT	1% 0-10V	SAME AS TYPE BB EXCEPT WITH INTEGRAL COLD WEATHER EMERGENCY BATTERY	PER ARCHITECT	RECESSED	LUMENWERX	VIA 2 SERIES-EM BATTERY	120	2 PER FT

Not all parts and pieces may be identified in the catalog number. It shall be the Contractor's and Supplier/Manufacturer's responsibility to ensure all necessary parts, pieces, and hardware are provided with the luminaire for a complete installation.
Notes:
1 - # - Number refers to luminaire length.

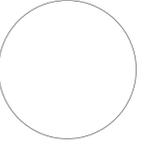
Key	Description	Electrical				Feeder Conductors & Conduit All Conductors shall be Copper	Protection	Notes
		Load	Volt	Ph	AIC			
EW-1	Electric Water Heater	6 KW X.X MOCP	240	1	N/A	Panel L1-1,3 Brkr Feeder	Heavy Duty Safety Disc @ Unit XXXA2P / XXXFRN-R	2
EWC	Electric Water Cooler	X.X MCA X.X MOCP	120	1	N/A	Panel XXX-X.X,X Brkr Feeder		4
HPCU-1	Heat Pump Condensing Unit 1	36 MCA	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 40FRN-R	2
HPCU-2	Heat Pump Condensing Unit 2	23 MCA	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
HPCU-3	Heat Pump Condensing Unit 3	23 MCA	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
HPCU-4	Heat Pump Condensing Unit 4	23 MCA	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
HPCU-5	Heat Pump Condensing Unit 5	23 MCA	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
AHU-1	Air Handling Unit for HPCU-1 Backup Heating Coil	19.2 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Integral disconnect provided with unit.	1, 2
AHU-2	Air Handling Unit for HPCU-2 Backup Heating Coil	14.4 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Integral disconnect provided with unit.	1, 2
AHU-3	Air Handling Unit for HPCU-3 Backup Heating Coil	14.4 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Integral disconnect provided with unit.	1, 2
AHU-4	Air Handling Unit for HPCU-4 Backup Heating Coil	14.4 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Integral disconnect provided with unit.	1, 2
AHU-5	Air Handling Unit for HPCU-5 Backup Heating Coil	14.4 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Integral disconnect provided with unit.	1, 2
ERV-1	Energy Recovery Ventilator	xx MCA xx MOCP	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit xxA2P / xxFRN-R	1, 2
UH-1	Unit Heater 1	3.3 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
UH-1	Unit Heater 2	3.3 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
UH-1	Unit Heater 3	3.3 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder	Heavy Duty Safety Disc @ Unit 100A2P / 30 FRN-R	2
CUH-1	Cabinet Unit Heater	10 KW	240	1	XX&A	Panel XXX-X.X,X Brkr Feeder		

- Notes (All notes may not be used in the schedule above):
- 1 Single point power connection to unit - verify internal equipment/device field wiring requirements with the equipment manufacturer, supplier, and installer <
 - 2 Provide a new NEMA-3R Heavy Duty Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the equipment as indicated <
 - 3 Provide a new Thermal Overload Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the new equipment as indicated <
 - 4 Provide a Blank Front GFI Device mounted at +84 inches for GFI protection of NEMA 5-20R receptacles located behind the skirt of each Electric Water Cooler (EWC) component and provide a new power branch circuit feeder from the indicated Electrical Panel to each receptacle via the GFI Device as indicated <

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK, ASSOCIATED WITH THE MECHANICAL EQUIPMENT MODIFICATIONS, WITH THE MECHANICAL CONTRACTOR, MANUFACTURERS' NAMEPLATES AND LITERATURE PRIOR TO ROUGH-IN. REFER TO THE MECHANICAL PLANS (HVAC & PLUMBING) FOR ALL EQUIPMENT LOCATIONS

Name: L1 A AND L1B		Mnt: 240/120	Method: SURFACE							
Volt: 1		Bus Rating: 800	Bus Rating: 800							
Ph: 3		Main Breaker	AIC Rating:							
Code	Description	Load	Bkr	P	Ph	P	Bkr	Load	Description	Code
1	4 Water Heater EWH-1	6000	40	2	*	2	50	8640	Heat Pump HPCU-1	6
3		/	/	/	/	/	/	/		4
5	4 Unit Heater 1 UH-1	3,300	20	2	*	2	30	5520	Heat Pump HPCU-2	6
7		/	/	/	/	/	/	/		8
9	4 Unit Heater 2 UH-2	3300	20	2	*	2	30	5520	Heat Pump HPCU-3	6
11		/	/	/	/	/	/	/		12
13	4 Unit Heater 3 UH-3	3300	20	2	*	2	30	5520	Heat Pump HPCU-4	6
15		/	/	/	/	/	/	/		16
17	4 Cabinet Unit Htr CUH-1	10,000	60	2	*	2	30	5520	Heat Pump HPCU-5	6
19		/	/	/	/	/	/	/		20
21		-	-	-	-	2	100	19200	AHU-1 Heater	4
23		-	-	-	-	-	-	-		24
25		-	-	-	-	2	80	14400	AHU-2 Heater	4
27		-	-	-	-	-	-	-		28
29		-	-	-	-	2	80	14400	AHU-3 Heater	4
31		-	-	-	-	-	-	-		32
33		-	-	-	-	2	80	14400	AHU-4 Heater	4
35		-	-	-	-	-	-	-		36
37		-	-	-	-	2	80	14400	AHU-5 Heater	4
39		-	-	-	-	-	-	-		40
41		-	-	-	-	-	-	-		42
43		-	-	-	-	-	-	-		44
45		-	-	-	-	-	-	-		46
47		-	-	-	-	-	-	-		48
49		-	-	-	-	-	-	-		50
51		-	-	-	-	-	-	-		52
53		-	-	-	-	-	-	-		54
55		-	-	-	-	-	-	-		56
57		-	-	-	-	-	-	-		58
59		-	-	-	-	-	-	-		60
61		-	-	-	-	-	-	-		62
63		-	-	-	-	-	-	-		64
65		-	-	-	-	-	-	-		66
67		-	-	-	-	-	-	-		68
69		-	-	-	-	-	-	-		70
71		-	-	-	-	-	-	-		72
73		-	-	-	-	-	-	-		74
75		-	-	-	-	-	-	-		76
77		-	-	-	-	-	-	-		78
79		-	-	-	-	-	-	-		80
81		-	-	-	-	-	-	-		82
83		-	-	-	-	-	-	-		84

Code	Description	Load VA	Dem	Per	Phase	Load Summary
1	Lighting		125%			
2	Rec up to 10,000		100%	Ph A	66710	VA
	Rec over 10,000		50%	Ph B	66710	VA
3	Motor		100%			
	Largest Motor		125%			
4	Heater	102700	100%	Conn...		133420 VA
5	Kitchen		100%	Code	Demand	133420 VA
6	Miscellaneous	30720	100%			
7	Sub Panel		100%	Code	Demand	555.92 Amps



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ISSUED FOR:
50% DESIGN DEVELOPMENT

REVISIONS

QA/QC APPROVAL: **TRH**
DRAWN BY: **JSM**
CHECKED BY: **TRH**

SHEET TITLE
PLUMBING COVER SHEET

SHEET NO.
P0.0

NOT FOR CONSTRUCTION

SHEET INDEX			
SHEET NUMBER	PLUMBING & FIRE PROTECTION SHEET TITLE	SHEET SCALE	SHEET ISSUED
P0.0	PLUMBING COVER SHEET	NONE	X
FP1.0	FIRE PROTECTION PLAN - A	1/8" = 1'-0"	X
P1.1	GROUND LEVEL PLUMBING PLAN	1/8" = 1'-0"	X
P1.2	ROOF PLUMBING PLAN	1/8" = 1'-0"	X
P3.1	ENLARGED SCALE PLUMBING PLANS	1/4" = 1'-0"	X
P6.1	PLUMBING DETAILS	NONE	X
P7.1	PLUMBING SCHEDULES	NONE	X

PLUMBING GENERAL NOTES

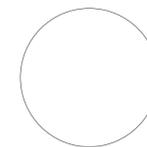
- FIELD VERIFY EXACT LOCATION OF ALL CONNECTIONS PRIOR TO CONSTRUCTION.
- ROUGH-IN AND FINAL CONNECT ALL FIXTURES, EQUIPMENT, ETC.
- CONTRACTOR SHALL INSPECT SITE TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE AREA OF WORK. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION PRIOR TO BID PRICING. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
- ALL WORK SHALL BE PER LOCAL BUILDING AND HEALTH DEPARTMENT REQUIREMENTS.
- PROVIDE BALL VALVES ON ALL BRANCH LINES FOR BUILDING ISOLATION WHETHER SHOWN OR NOT.
- REFERENCE HVAC DRAWINGS FOR EXACT LOCATION OF ALL HVAC EQUIPMENT REQUIRING PLUMBING CONNECTIONS. COORDINATE WITH HVAC CONTRACTOR EXACT PLUMBING CONNECTION REQUIREMENTS PRIOR TO COMMENCING WORK.
- ALL VENTS THROUGH THE ROOF (VTR) SHALL BE POSITIONED A MINIMUM OF 15'-0" FROM ANY OUTSIDE AIR INTAKE.
- REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED WALLS. ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE SEALED IN ACCORDANCE WITH THE BUILDING CODE.
- OFFSET ALL PIPING AS REQUIRED TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHING, MECHANICAL, OR ELECTRICAL EQUIPMENT.
- PROVIDE CHROME PLATED SET SCREW TYPE ESCUTCHEONS AT ALL EXPOSED PIPE PENETRATIONS THROUGH WALLS AND CASEWORK.
- PROVIDE TRAP SEALS/PRIMERS TO ALL FLOOR DRAINS & FLOOR SINKS WITH ACCESS THAT HAVE THE POSSIBILITY FOR EVAPORATION PROBLEMS AND AS INDICATED IN THE SPECIFICATION.
- PROTECT ALL EXISTING EQUIPMENT INDICATED AS REMAINING IN PLACE OR BEING RELOCATED. REPLACE DAMAGED EQUIPMENT IMMEDIATELY WITH EXACT DUPLICATE AT NO ADDITIONAL COST TO THE OWNER.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY LOCATING AND PROTECTING ALL EXISTING PIPING AND UTILITIES FOR THE DURATION OF THE WORK. ANY DAMAGE CAUSED TO EXISTING PIPING OR UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
- COMPLY WITH ALL BUILDING AND HEALTH DEPARTMENT REGULATIONS FOR PLUMBING INSTALLATION. VERIFY ALL REQUIREMENTS PRIOR TO SUBMITTING BID OR COMMENCING WORK.
- FLUSH MOUNT ALL FLOOR SINKS FOR FLOOR DRAINAGE USE.
- PROVIDE EQUIPMENT LABELS FOR ALL MAJOR EQUIPMENT, INCLUDING WATER HEATERS, PUMPS, CONTROL PANELS, ETC. LABELS SHALL BE AFFIXED OR ADHERED DIRECTLY TO EQUIPMENT. EQUIPMENT TO BE LABELED WITH ENGRAVED PLASTIC LAMINATE SIGNS.
- SUBMIT TO THE ARCHITECT/ENGINEER ELECTRONIC PDF FILES OF MECHANICAL SUBMITTALS FOR REVIEW OF ALL MAJOR EQUIPMENT AS LISTED ON DRAWING EQUIPMENT SCHEDULES, AS WELL AS PRODUCTS SHOWN IN SPECIFICATIONS. ENGINEER ASSUMES NO RESPONSIBILITY FOR EQUIPMENT OR INSTALLATION COORDINATION THAT HAS NOT BEEN SUBMITTED FOR REVIEW.
- CONTRACTOR SHALL WARRANTY WORK, EQUIPMENT, FIXTURES, MATERIALS, AND PROPER OPERATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF BUILDING BY OWNER. THIS GUARANTEE SHALL NOT INCLUDE NORMAL MAINTENANCE REQUIRED BY THE OWNER AS DESCRIBED IN THE OPERATION AND MAINTENANCE MANUALS.
- PROVIDE TWO SETS OF OPERATION AND MAINTENANCE (O&M) MANUALS FOR OWNER AT COMPLETION OF PROJECT TO THE ARCHITECT/ENGINEER FOR REVIEW. MANUALS TO INCLUDE INSTALLATION INSTRUCTIONS, REPLACEMENT PART LISTS, AND MAINTENANCE INFORMATION ON ALL MECHANICAL EQUIPMENT, FIXTURES, ETC. SUBMITTED.
- CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE SET OF RECORD DRAWINGS SHOWING ACTUAL INSTALLED LOCATIONS OF WORK. SUBMIT THESE DRAWINGS AS PART OF THE OPERATION AND MAINTENANCE MANUALS AT COMPLETION OF PROJECT.

FIRE PROTECTION GENERAL NOTES

- ALL WORK SHALL BE PER LOCAL BUILDING AND FIRE DISTRICT APPROVAL.
- ALL PIPING SHALL CONFORM TO NFPA 13.
- PROVIDE SHOP DRAWINGS FOR ALL WORK THAT ADHERERS TO ALL LOCAL CODES, BUILDING OWNER INSURANCE CARRIER, AND NFPA REQUIREMENTS.
- PROVIDE HYDRAULIC CALCULATION ALONG WITH SHOP DRAWINGS FOR ARCHITECT/ENGINEER/OWNER/CODE APPROVAL.
- ALL FIRE SPRINKLER HEADS SHALL BE WHITE SEMI-RECESSED IN FINISHED AREAS AND BRASS PENDANT IN UNFINISHED AREAS. ALL HEADS SHALL BE LOCATED IN CEILING TILES IN A UNIFORM PATTERN. 1/4" POINTS IN 2'x4' GRID IS ACCEPTABLE.
- THE FIRE PROTECTION PLANS ARE PROVIDED AS A GUIDE TO THE FIRE PROTECTION CONTRACTOR ONLY AND DO NOT SHOW ALL NECESSARY PIPING, FITTING, SPRINKLERS, DRAINS, ETC. THE INTENT OF THE FIRE PROTECTION DRAWINGS IS TO SHOW POSSIBLE MAIN PIPE ROUTES AND GENERAL EQUIPMENT LAYOUT.
- IT SHALL BE THE FIRE PROTECTION CONTRACTOR'S RESPONSIBILITY TO CALCULATE, DESIGN AND INSTALL THE FIRE PROTECTION SYSTEM(S) CALLED FOR, INCLUDING ALL PIPING, FITTINGS, EQUIPMENT, DRAINS, SPRINKLERS, ETC. AS MAY BE REQUIRED FOR A COMPLETE, APPROVED AND OPERATIONAL FIRE PROTECTION SYSTEM IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS.
- THE ENTIRE BUILDING, WITH SPECIFIC EXCEPTIONS NOTED, SHALL BE PROVIDED AUTOMATIC SPRINKLER SYSTEM COVERAGE.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT CEILING MOUNTING HEIGHTS AND LOCATION OF CEILING MOUNTED EQUIPMENT.
- FURNISH SHOP DRAWINGS OF THE SYSTEM ALONG WITH HYDRAULIC CALCULATIONS AND PRODUCT DATA OF ALL PIPING, EQUIPMENT AND SPRINKLERS PROPOSED PRIOR TO INSTALLATION.
- COORDINATE LOCATIONS OF ALL SPRINKLER WITH CEILING SYSTEMS AND ALL CEILING MOUNTED EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL FIRE RATED WALLS. SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS IN ACCORDANCE WITH THE BUILDING CODE.
- ALL DRAIN TERMINATIONS SHALL BE EXTENDED TO DISCHARGE TO THE EXTERIOR. LOCATION AS APPROVED BY ARCHITECT/ENGINEER. DRAIN PIPING SHALL BE RUN CONCEALED ABOVE CEILING OR WITHIN APPROVED RECESSES OR CHASES WITHIN BUILDING. DISCHARGE DRAIN LINES A MAXIMUM OF 1'-6" ABOVE FINISHED GRADE. PROVIDE CONCRETE SPLASH BLOCKS AT DRAIN TERMINATIONS WHERE OUTLETS DISCHARGE INTO LANDSCAPED AREAS.
- PROVIDE APPROVED ACCESS PANELS AT ALL VALVES LOCATED WITHIN WALLS OR ABOVE INACCESSIBLE CEILING SYSTEMS. IDENTIFY ACCESS PANEL LOCATIONS ON SHOP DRAWINGS FURNISHED FOR REVIEW.
- OFFSET PIPING AS MAYBE REQUIRED TO CLEAR EXISTING STRUCTURAL ELEMENTS, MECHANICAL AND ELECTRICAL EQUIPMENT. INCLUDE OFFSETS IN HYDRAULIC CALCULATION DATA.
- FINAL LOCATIONS OF ALL FIRE SPRINKLER SHALL BE APPROVED BY THE ARCHITECT.
- SPRINKLER INSTALLED IN FINISHED CEILING SYSTEMS SHALL BE CENTERED WITHIN CEILING TILES OR AT QUARTER POINTS ALONG THE LONGITUDINAL AXIS OF 2'x4' CEILING TILES.

ABBV.	SYMBOL	DESCRIPTION
WC		WATER CLOSET
L		LAVATORY
S		SINK
MSB		MOP SERVICE BASIN
EWC		ELECTRIC WATER COOLER
GDU		GARBAGE DISPOSAL UNIT
TR/TS		TRAP PRIMER/TRAP SEAL
PP		PLUMBING CIRC. PUMP
SI		SOLIDS INTERCEPTOR
PET		PLUMBING EXPANSION TANK
EWH		ELECTRIC WATER HEATER
RBPB		REDUCED PRESSURE BACKFLOW PREVENTER
DCBP		DOUBLE CHECK BACKFLOW PREVENTER
GPM		GALLON PER MINUTE
CW		DOMESTIC COLD WATER
HW		DOMESTIC HOT WATER
HWC		DOMESTIC HOT WATER CIRCULATING
F		FIRE LINE
FS		FIRE SPRINKLER
FDC		FIRE DEPARTMENT CONNECTION
W		SANITARY WASTE BELOW FLOOR
W		SANITARY WASTE ABOVE FLOOR
V		SANITARY VENT
CD		CONDENSATE DRAIN PIPING
FCO		FLOOR CLEANOUT
GOO		GRADE CLEANOUT
WCO		WALL CLEANOUT
		PRESSURE REDUCING VALVE
		HOSE END DRAIN VALVE
		PLUG VALVE
		GAS COCK
TMV		THERMOSTATIC MIXING VALVE
		SHOCK ABSORBER (ELEVATION)
		SHOCK ABSORBER (PLAN)
HBWH		HOSE BIBB/WALL HYDRANT
		AQUASTAT
VTR		VENT THRU ROOF
FD		FLOOR DRAIN
FS		FLOOR SINK
DSN		DOWNSPOUT NOZZLE
		SPLASH BLOCK WITH DOWNSPOUT NOZZLE

ABBV.	SYMBOL	DESCRIPTION
G.C.		GENERAL CONTRACTOR
M.C.		MECHANICAL CONTRACTOR
P.C.		PLUMBING CONTRACTOR
E.C.		ELECTRICAL CONTRACTOR
T.C.C.		TEMPERATURE CONTROL CONTRACTOR
F.P.C.		FIRE PROTECTION CONTRACTOR
A.F.F.		ABOVE FINISHED FLOOR
A.F.G.		ABOVE FINISHED GRADE
B.F.F.		BELOW FINISHED FLOOR
B.F.G.		BELOW FINISHED GRADE
N.I.C.		NOT IN CONTRACT
SF		SQUARE FOOTAGE
		CONTROL WIRING
AD/AP		ACCESS DOOR/ACCESS PANEL
		DIRECTION OF FLOW IN PIPE
		PITCH PIPE DOWN IN DIRECTION OF ARROW
		PIPE CAP
		PRESSURE GAUGE WITH COCK
		PIPE UNION
		STRAINER WITH BLOWDOWN VALVE
		CONCENTRIC PIPE REDUCER
		ECCENTRIC PIPE REDUCER
CV		CHECK VALVE
BV		BALANCING VALVE
		BALL VALVE
		BUTTERFLY VALVE
		PRESSURE RELIEF VALVE
P/T		PRESSURE/TEMPERATURE TEST PLUG
		PIPE ELBOW DOWN
		PIPE ELBOW UP
		TEE OFF BOTTOM OF PIPE
		TEE OFF TOP OF PIPE
		THERMOMETER
		X = SECTION/DETAIL NUMBER XXX = SHEET NUMBER WHERE SECTION/DETAIL IS DRAWN

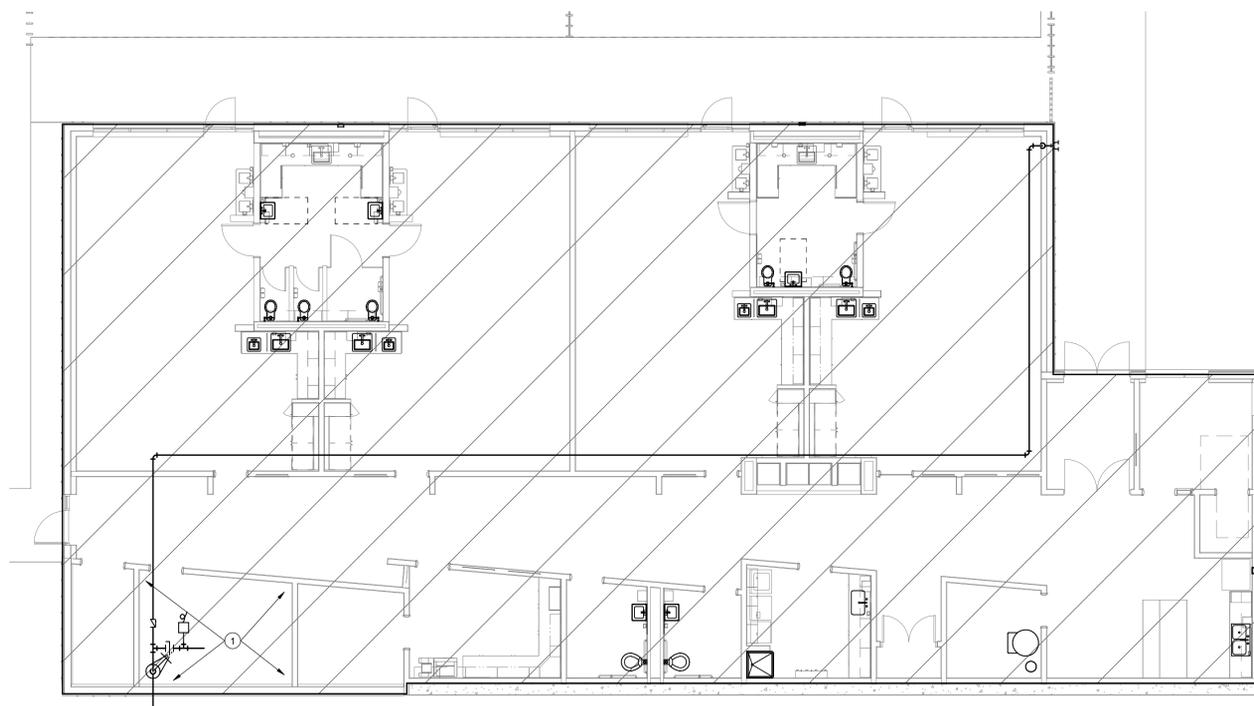


FIRE PROTECTION AREA LEGEND:



FIRE PROTECTION KEYNOTES:

① FIRE ENTRY, SEE P3.1.



GROUND LEVEL FIRE PROTECTION PLAN

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



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**Snowmass Little Red Schoolhouse
ECE**
4598 Owl Creek Rd, Snowmass Village, CO 81615
Town of Snowmass Village

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PROJECT NUMBER

2023-07

DATE

07/12/2024

ISSUED FOR:

50% DESIGN DEVELOPMENT

REVISIONS

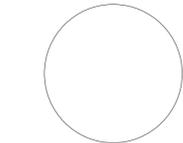
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DRAWN BY: **JSM**
CHECKED BY: **TRH**

SHEET TITLE

**FIRE PROTECTION
PLAN - A**

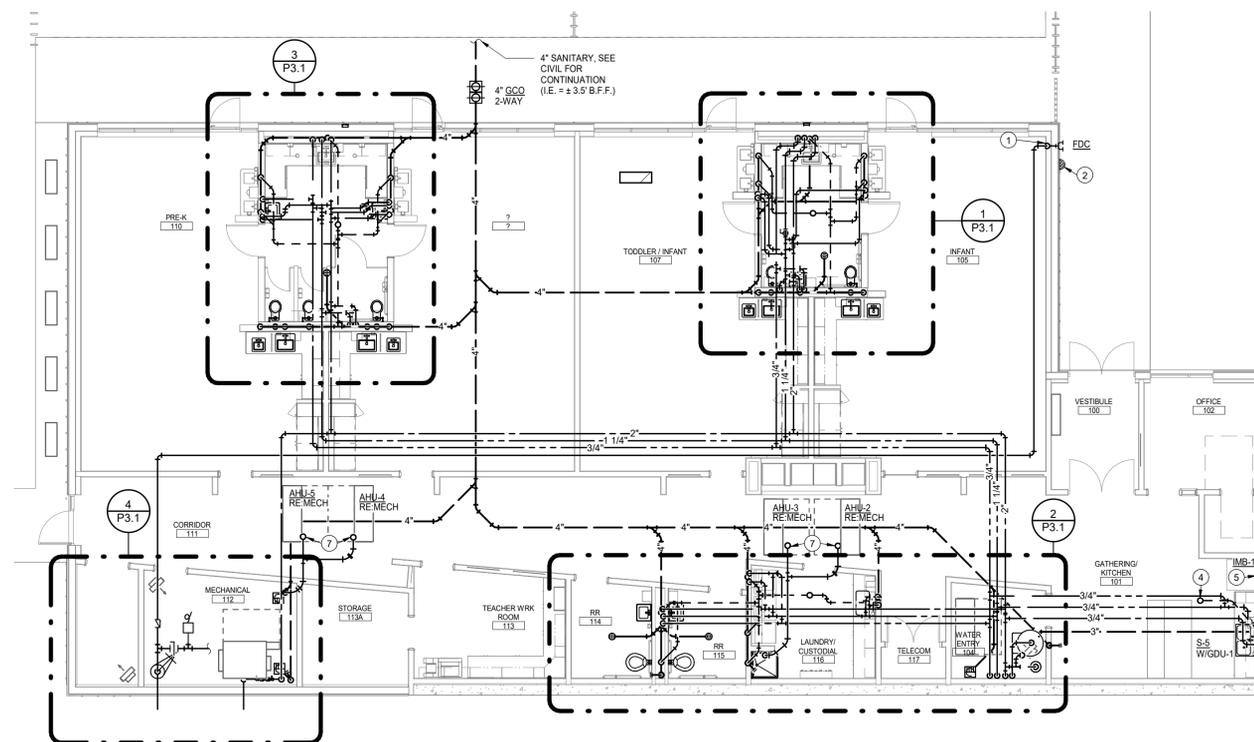
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FP1.0



PLUMBING KEYNOTES:

- ① 4" F. LINE DN. TO FDC.
- ② AUDIBLE/VISUAL FIRE ALARM MOUNTED @ 10' ABV. FIN. GRADE.
- ③ 2" W. DN., 1-1/2" V. RISE, 1/2" CW & 1/2" HW TO SINK.
- ④ 1-1/2" V. RISE TO 3" VTR.
- ⑤ 1/2" CW TO IMB.
- ⑥ 1/2" HW & 3/4" CW DN IN WALL & OFFSET TO FIXTURES.
- ⑦ CONNECT 3/4" CONDENSATE DRAIN TO AHU.
- ⑧ 3/4" CW TO WH.



GROUND LEVEL PLUMBING PLAN

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



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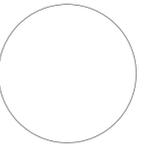
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SHEET TITLE
**GROUND LEVEL
PLUMBING PLAN**

SHEET NO.
P1.1



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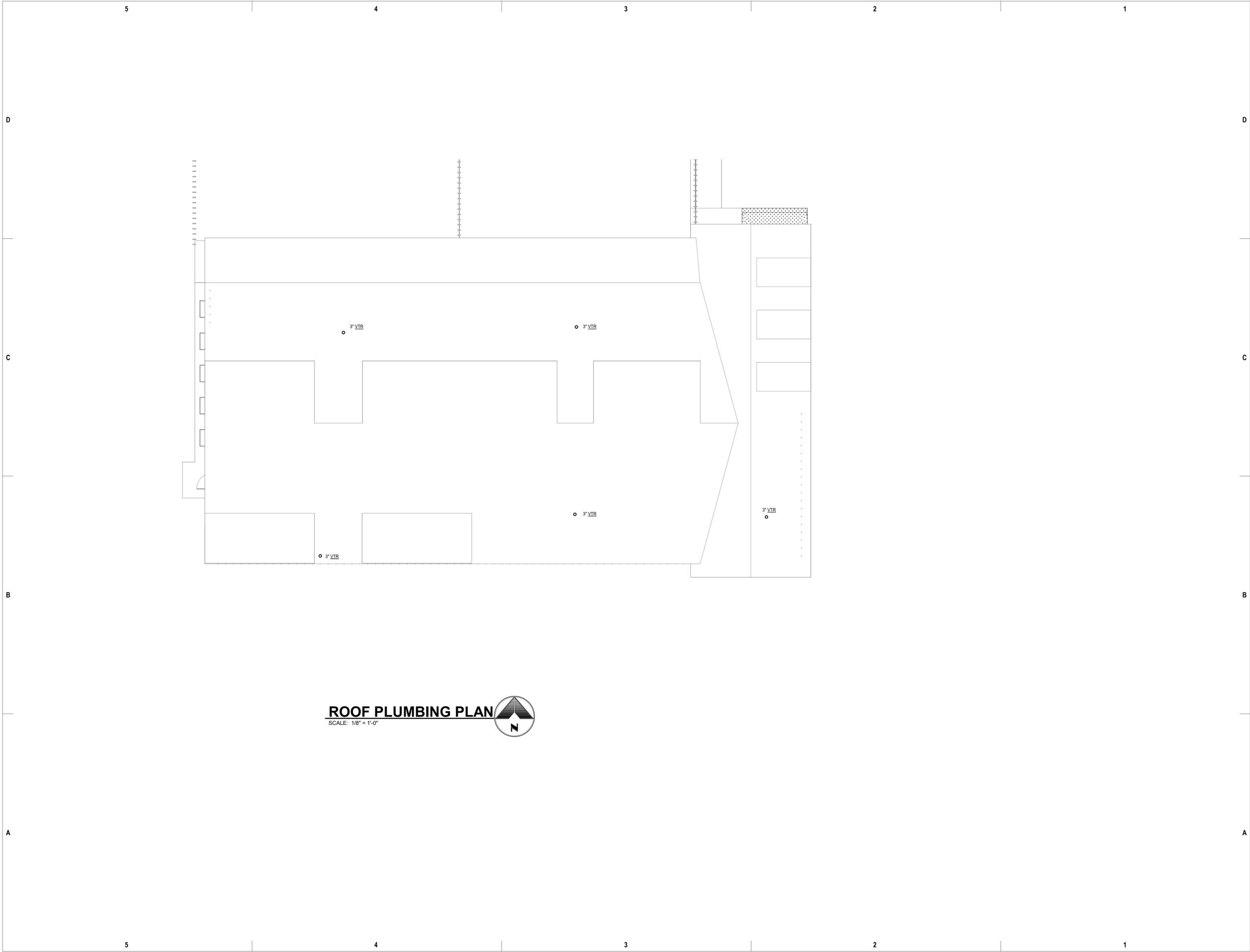
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SHEET TITLE
**ROOF PLUMBING
PLAN**

SHEET NO.
P1.2



ROOF PLUMBING PLAN

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





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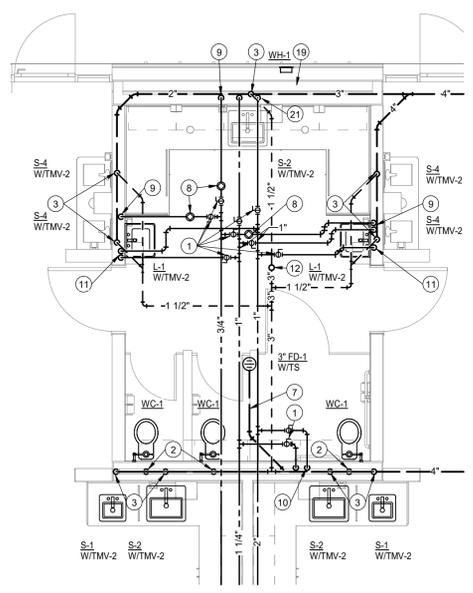
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SHEET TITLE
**ENLARGED SCALE
PLUMBING PLANS**

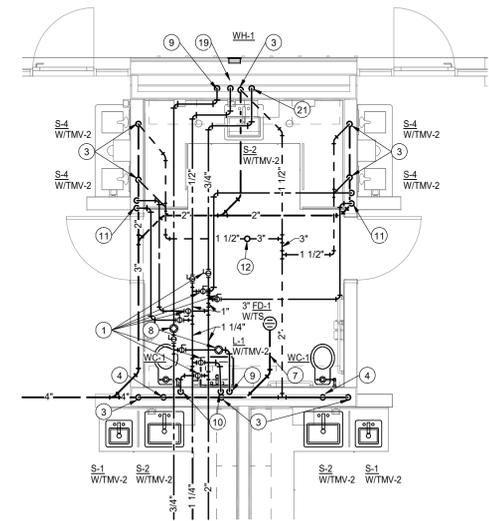
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P3.1

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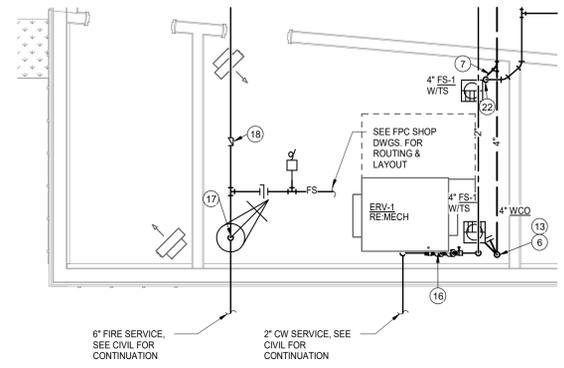
- 1 BALL VALVE (FULL SIZE) W/SERVICE ACCESS.
- 2 4" W. DN., 2" V. RISE, 1" CW TO WC.
- 3 2" W. DN., 1-1/2" V. RISE, 1/2" CW & 1/2" HW TO LAV/SINK/WB.
- 4 4" W. DN., 2" WET VENT, 2" V. RISE, 1/2" CW TO WC, 1/2" HW & 1/2" CW TO SINK.
- 5 3" W. DN., 1-1/2" V. RISE, 3/4" CW TO HB, 1/2" CW & 1/2" HW TO MSB.
- 6 4" W. DN., 2" V. RISE TO FS.
- 7 COMBINATION WASTE & VENT SYSTEM.
- 8 1/2" BALANCING VALVE (W/SERVICE ACCESS), BALANCE TO .5 GPM.
- 9 CONNECT 3/4" HW TO 3/4" HW WITHIN 5' OF FAUCET.
- 10 2" CW, 1" HW DN IN WALL & OFFSET TO FIXTURES.
- 11 3/4" CW & 3/4" HW DN. IN WALL & OFFSET TO FIXTURES.
- 12 3" V. RISE TO 3" VTR.
- 13 2" V. RISE TO 3" VTR.
- 14 2" CW DN. & 3/4" HW DN. IN WALL & OFFSET TO FIXTURES.
- 15 1" HW & 1" CW DN. IN WALL & OFFSET TO FIXTURES.
- 16 2" WATER ENTRY, SEE DETAIL 1/P6.1.
- 17 6" FIRE SERVICE ENTRY, SEE DETAIL.
- 18 U.L. CHECK VALVE W/AUTO BALL DRIP.
- 19 3/4" CW DN. IN WALL TO HB.
- 20 2" W. DN., 1-1/2" V. RISE TO STANDPIPE, 1/2" HW DN. TO DISHWASHER & AIRGAP 1" W. INDIRECT WASTE FROM DISHWASHER.
- 21 3/4" CW & 1/2" HW DN. IN FURRED WALL & OFFSET TO FIXTURES.
- 22 3/4" CD DN. ON WALL & AIRGAP TO MSB/FS.



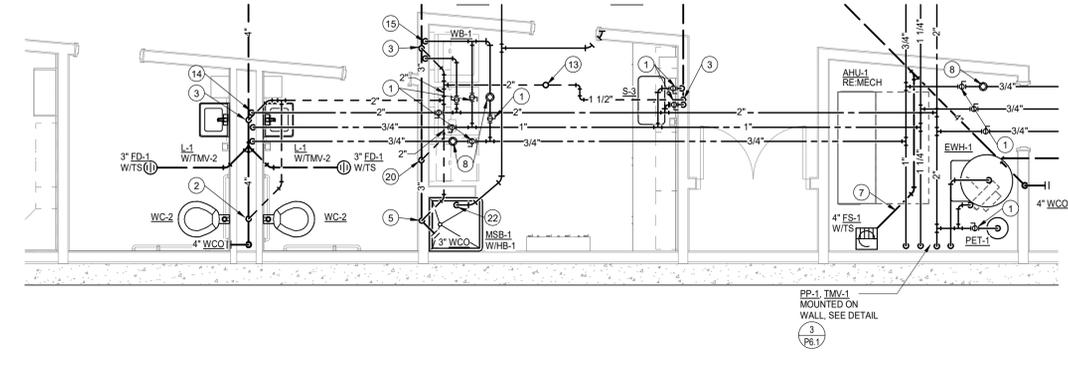
3 ENLARGED PLUMBING PLAN
P3.1 SCALE: 1/4" = 1'-0"



1 ENLARGED PLUMBING PLAN
P3.1 SCALE: 1/4" = 1'-0"



4 ENLARGED PLUMBING PLAN
P3.1 SCALE: 1/4" = 1'-0"

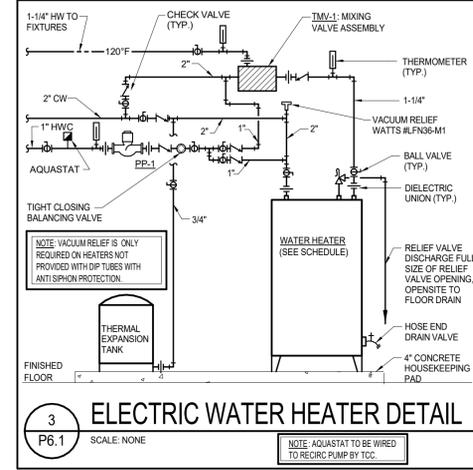
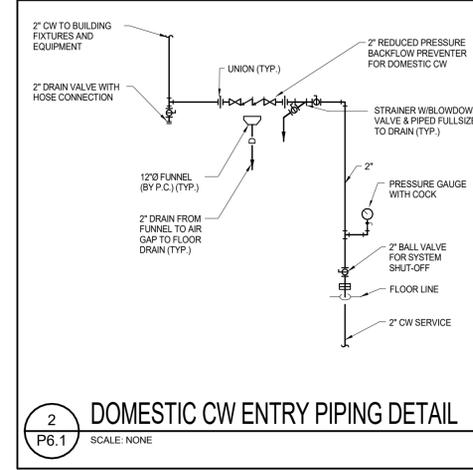
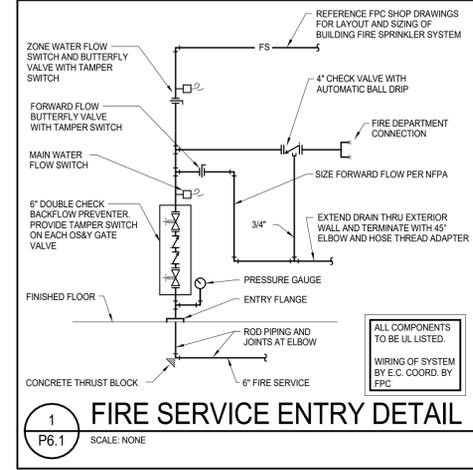


2 ENLARGED PLUMBING PLAN
P3.1 SCALE: 1/4" = 1'-0"

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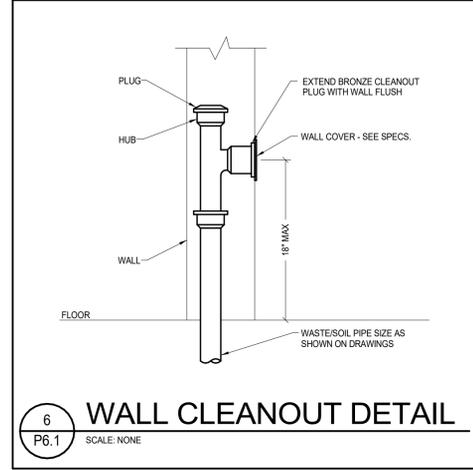
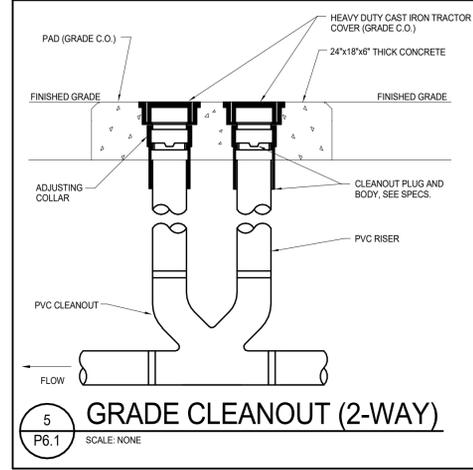
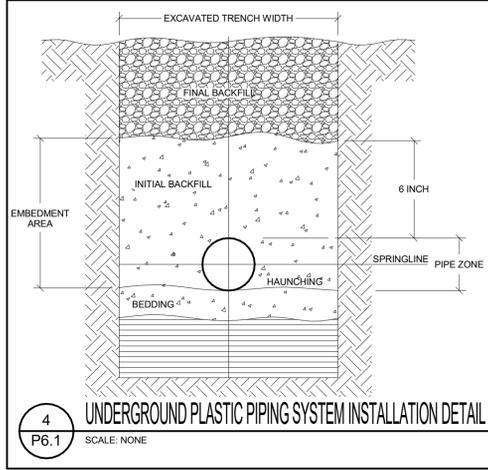
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UNDERGROUND INSTALLATION OF PLASTIC PIPING:
PLASTIC PIPE SHOULD ALWAYS BE BURIED IN STRICT ACCORDANCE WITH THE ASTM STANDARD RELEVANT TO THE TYPE OF PLASTIC PIPING SYSTEM BEING INSTALLED. THOSE STANDARDS ARE:
ASTM D2321 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS
ASTM D2774 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING.
NOTE: IN ADDITION TO THESE STANDARDS, PIPE SHOULD ALWAYS BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODE REQUIREMENTS.

RECOMMENDATIONS FOR UNDERGROUND INSTALLATION OF PLASTIC DRAINAGE PIPE:

1. THE MINIMUM WIDTH OF THE TRENCH SHOULD BE THE PIPE OD (OUTSIDE DIAMETER) PLUS 18 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25 PLUS 12 INCHES. THIS WILL ALLOW ADEQUATE ROOM FOR JOINING THE PIPE, SNAKING THE PIPE IN THE TRENCH TO ALLOW FOR EXPANSION AND CONTRACTION WHERE APPROPRIATE AND SPACE FOR BACKFILLING AND COMPACTION OF BACKFILL. THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN COMPACTION EQUIPMENT USED TO COMPACT THE BACKFILL.
2. PROVIDE A MINIMUM OF 4 INCHES OF FIRM, STABLE AND UNIFORM BEDDING MATERIAL IN THE TRENCH BOTTOM. IF ROCK OR UNYIELDING MATERIAL IS ENCOUNTERED, A MINIMUM OF 6 INCHES OF BEDDING SHALL BE USED. BLOCKING SHOULD NOT BE USED TO CHANGE GRADE OR TO INTERMITTENTLY SUPPORT PIPE OVER LOW SECTIONS IN THE TRENCH.
3. THE PIPE SHOULD BE SURROUNDED WITH AN AGGREGATE MATERIAL WHICH CAN BE EASILY WORKED AROUND THE SIDES OF THE PIPE. BACKFILLING SHOULD BE PERFORMED IN LAYERS OF 6 INCHES WITH EACH LAYER BEING SUFFICIENTLY COMPACTED TO 98% COMPACTION.
4. A MECHANICAL TAMPER IS RECOMMENDED FOR COMPACTING SAND AND GRAVEL. THESE MATERIALS CONTAIN FINE-GRAINS, SUCH AS SILT AND CLAY. IF A TAMPER IS NOT AVAILABLE, COMPACTION SHOULD BE DONE BY HAND. THE TRENCH SHOULD BE COMPLETELY FILLED. THE BACKFILL SHOULD BE PLACED AND SPREAD IN UNIFORM LAYERS TO PREVENT ANY UNFILLED SPACES OR VOIDS. LARGE ROCKS, STONES, FROZEN CLODS OR OTHER LARGE DEBRIS SHOULD BE REMOVED. STONE BACKFILL SHALL PASS THROUGH AN 1-1/2" SIEVE. ROCK SIZE SHOULD BE ABOUT ONE-TENTH OF THE PIPE OUTSIDE DIAMETER. HEAVY TAMPERS OR ROLLING EQUIPMENT SHOULD ONLY BE USED TO CONSOLIDATE THE FINAL BACKFILL.
5. TO PREVENT DAMAGE TO THE PIPE AND DISTURBANCE TO PIPE EMBEDMENT, A MINIMUM DEPTH OF BACKFILL ABOVE THE PIPE SHOULD BE MAINTAINED. PIPE SHOULD ALWAYS BE INSTALLED BELOW THE FROST LEVEL. TYPICALLY, IT IS NOT ADVISABLE TO ALLOW VEHICULAR TRAFFIC OR HEAVY CONSTRUCTION EQUIPMENT TO TRAVERSE THE PIPE TRENCH.



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PLUMBING PUMP SCHEDULE

PLAN CODE	MANUFACTURER & MODEL NO.	TYPE	SERVICE	IMP. DIA. (IN)	GPM	HEAD	% EFF.	ELECTRICAL				VIBRATION ISOLATION	CONTROL	WEIGHT (LBS)	REMARKS
								HP (BHP)	VOLTS	PH	RPM				
PP-1	GRUNDFOS UPS 26-99 SFC	IN-LINE	HWC	-	5.0	20'	-	1/3	115	1	-	INTEGRAL	DDC		NOTE: 1

NOTES:
1. OCCUPIED/UNOCCUPIED WITH AQUA STAT

MISCELLANEOUS PLUMBING FIXTURE SCHEDULE

PLAN CODE	DESCRIPTION	MANUFACTURER	MODEL	FINISH	REMARKS
PET-1	PLUMBING EXPANSION TANK	AMTROL	ST-30V-C	STEEL	NOTE: 1
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD	PNV-100-LF	ROUGH BRASS	NOTE: 2,4
TMV-2	THERMOSTATIC MIXING VALVE	LEONARD	170-LF	ROUGH BRASS	NOTE: 3

NOTES:
1. ASME CONSTRUCTION.
2. SET TO 120° F., ASSE 1017
3. SET TO 110° F., ASSE 1070
4. 120/60/1 CONTROL VOLTAGE.

ELECTRIC WATER HEATER SCHEDULE

PLAN CODE	MANUFACTURER & MODEL NO.	STORAGE GALLONS	G.P.H. RECOVERY @ 100' RISE	KW/ INPUT	ELECTRICAL			NO. ELEM.	KW/ ELEM.	TANK SIZE		OPER. WEIGHT	REMARKS
					VOLTS	CYCLE	PHASE			DIA.	HT.		
EW-1	AO SMITH #DRE-120-24KW	119	100 GAL.	24	240	60	1	5	6	29-1/2"	62-1/4"	1400 LBS.	NOTE: 1,2

NOTES:
1. SET TO 140° F.
2. PROVIDE WITH PET.

PLUMBING FIXTURE SCHEDULE

PLAN CODE	DESCRIPTION	MANUF.	MODEL	COLOR FINISH	FITTINGS	MANUF.	MODEL	COLOR FINISH	REMARKS
WC-1	WATER CLOSET (PRIMARY) 1.28 GPF	AMERICAN STANDARD	2282.001	WHITE	FLUSH VALVE	SLOAN	111 REGAL XL	CHROME	NOTES:
WC-2	WATER CLOSET (ACCESSIBLE) 1.28 GPF	AMERICAN STANDARD	3461.001	WHITE	SEAT FLUSH VALVE	OLSONITE SLOAN	95SSCC 111 REGAL XL	WHITE CHROME	NOTES: 2
L-1	LAVATORY-WALL HUNG (ACCESSIBLE) .5GPM	AMERICAN STANDARD	9024.001EC	WHITE	FAUCET	SLOAN	EBF-650	CHROME	NOTES: 1,3,4,5,6
S-1	SINK (UNDERCOUNTER) (ACCESSIBLE) (1.5 GPM) (SMALL CLASS SINK)	ELKAY	LRAD-1918-6"	STAINLESS STEEL	FAUCET	SLOAN	ETF-750	CHROME	NOTES: 1,3,5,6,7
S-2	SINK (UNDERCOUNTER) (ACCESSIBLE) (1.5 GPM) (LARGE CLASS SINK)	ELKAY	LRAD-2521-6"	STAINLESS STEEL	FAUCET	DELTA	9159-DST	CHROME	NOTES: 1,7,8
S-3	SINK (UNDERCOUNTER) (ACCESSIBLE) (1.5 GPM) (UTILITY SINK)	ELKAY	LRAD-2822-6"	STAINLESS STEEL	FAUCET	DELTA	9159-DST	CHROME	NOTES: 1,7,8
S-4	SINK (UNDERCOUNTER) (ACCESSIBLE) (1.5 GPM) (CHILD ACTIVITY SINKS)	ELKAY	LRAD-1918-6"	STAINLESS STEEL	FAUCET	SLOAN	EBF-650	CHROME	NOTES: 1,7,8
S-5	SINK (UNDERCOUNTER) (ACCESSIBLE) (1.5 GPM) (BREAK ROOM SINK)	ELKAY	LRAD-3321-6"	STAINLESS STEEL	FAUCET	DELTA	9159-DST	CHROME	NOTES: 1,7,8
MSB-1	MOP SERVICE BASIN	FIAT	MSB2424	WHITE	FAUCET	ZURN	ZB43M1-RC-CS	CHROME	NOTES: 9
EW-1	ELECTRIC WATER COOLER	ELKAY	I2STL8WSVRSK	STAINLESS STEEL	-	-	-	-	NOTES: 10
GDU-1	GARBAGE DISPOSAL UNIT	KOHLER	K-29361-CHR	-	-	-	-	-	NOTES: 11
WH-1	WALL HYDRANT	SEE SPEC	SEE SPEC	-	-	-	-	-	-
IMB-1	ICE MAKER BOX	SEE SPEC	SEE SPEC	-	-	-	-	-	-
WB-1	WASHER BOX	SEE SPEC	SEE SPEC	-	-	-	-	-	-
HB-1	HOSE BIBB	SEE SPEC	SEE SPEC	-	-	-	-	-	-

NOTES:
1. 17 GA. P-TRAP, ANGLE SUPPLIES WITH 1/4 TURN L.K. STOPS.
2. COORDINATE CARRIER SIZE WITH WALL WIDTH.
3. BATTERY OPERATED FAUCET.
4. PROVIDE FIXTURE CARRIER.
5. .5 GPM. GRID STRAINER.
6. INSULATION KIT FOR SUPPLIES & DRAIN.
7. COORDINATE HOLE PUNCH IN COUNTER.
8. STAINLESS STEEL STRAINER, 1.5 GPM FLOW RESTRICTOR.
9. VACUUM BREAKER, CHECK STOPS.
10. PROVIDE PLUG IN TYPE 120/60/1, 1/5 HP.
11. PROVIDE PLUG IN TYPE, 120/60/1 1/2" HP.

PLUMBING FIXTURE CONNECTION SCHEDULE

PLAN CODE	FIXTURE	PIPE SIZE (INCHES, MINIMUM)							REMARKS
		WASTE		VENT (MIN.)	COLD WATER		HOT WATER		
		TRAP & ARM	VERT. DRAIN		SUPPLY (MIN.)	CONNECTION (ACTUAL)	SUPPLY (MIN.)	CONNECTION (ACTUAL)	
WC	WATER CLOSET	INT.	4"	2"	1"	1"	-	-	
L	LAVATORY	1-1/2"	2"	1-1/2"	1/2"	3/8"	1/2"	3/8"	
S	SINK	1-1/2"	2"	1-1/2"	1/2"	1/2"	1/2"	1/2"	
EW/CDF	ELEC. WATER COOLER/DRINKING FOUNT.	1-1/2"	2"	1-1/2"	1/2"	3/8"	-	-	
WH/HB	WALL HYDRANT	-	-	-	3/4"	3/4"	-	-	
MSB	MOP SERVICE BASIN	3"	3"	1-1/2"	1/2"	1/2"	1/2"	1/2"	