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PROJECT DATA

LEGAL JURISDICTION:	LANE COUNTY
ZONING CLASSIFICATION :	RPF
TAX MAP NO. :	18-02-34-00
LOT :	01900
OCCUPANCY :	E
BUILDING TYPE :	V-B
REMODELED AREA :	3634 SQFT.
COMMERCIAL STRUCT. CODE:	O.S.S.C.-2022
ACCESSIBILITY CODE:	ICCA117.1-2017
MECHANICAL CODE:	O.S.M.C.-2022
PLUMBING CODE:	O.P.S.C.-2023
ELECTRICAL CODE:	O.E.S.C.-2023
FIRE CODE:	O.F.C.-2019
ENERGY CODE:	O.E.E.S.C.-2021

PROJECT TEAM

ARCHITECTURAL CONSULTANT

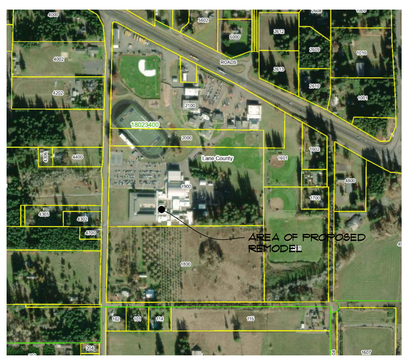
RODD HANSEN, ARCHITECT, LLC
ARCHITECTURE AND PLANNING
1551 OAK STREET SUITE A
EUGENE, OREGON 97401
PHONE: (541) 687-7800
FAX: (541) 687-1200
e-mail: rodd@rharchitectural.com

CBSE, L.L.C. ENGINEERING
STRUCTURAL ENGINEERS
1207 ADAMS AVENUE
LaGrand, OREGON 97850
PHONE: (541)-786-5315
FAX: --
e-mail: dhoward@cbse.us

INTEG
ENGINEERING
5140 FRANKLIN BLVD. SUITE #1
EUGENE, OREGON 97403
PHONE: (541) 505-9727
FAX: --

PARADIGM ENGINEERING
JIM KRUMSICK P.E. LEED AP
85193 APPLETREE DRIVE
EUGENE, OREGON 97405
PHONE: (541) 285-1680
FAX: jkrumsick@q.com

VICINITY MAP



ARCHITECTURAL SYMBOLS

COLUMN GRID NOTATION
MATCH SIDE BREAK - MATCH LINE
Ø'-Ø" A.F.F. ELEVATION DATUM
DATUM POINT
XXX ROOM NAME
XXX ROOM NUMBER
12 SLOPE TAG
KEY NOTE
WINDOW TAG
DOOR TAG

SAND
GRAVEL
CONCRETE
GENERAL MASONRY
UNDISTURBED SOIL
WOOD
STEEL
REVISION TAG
REVISION CLOUD

DETAIL • / SHEET •
SECTION • / SHEET •
NORTH ARROW
REFERENCE ARROW
VIEW •
FIG• DIRECTION OF VIEW
EXISTING WALL
DEMO WALL
NEW WALL

SOUND / THERMAL BATT INSULATION
RIGID INSULATION

ARCHITECTURAL ABBREVIATIONS

A.C. ACOUS.	ACOUSTICAL	FPRF.	FIREPROOF	PRCST.	PRE-CAST
A/C	AIR CONDITIONING	F.R.	FIRE RETARDANT	PL.	PLATE
A.D.	AREA DRAIN	F.S.	FULL SIZE	P.LAM.	PLASTIC LAMINATE
ADJ.	ADJUSTABLE	FT.	FOOT OR FEET	PLAS.	PLASTER
AGGR.	AGGREGATE	FTG.	FOOTING	PLYWD.	PLYWOOD
AL.	ALUMINUM	FURR.	FURRING	PR.	PAIR
ALT.	ALTERNATE	FUT.	FUTURE	PT.	POINT
APPROX.	APPROXIMATE	F.V.	FOUNDATION VENT	P.T.D.	PAPER TOWEL DISPENSER
ARCH.	ARCHITECT(URAL)			P.T.D/R	PAPER TOWEL DISPENSER/RECEPTACLE
ASB.	ASBESTOS	G.A.	GUAGE	PTN.	PARTITION
ASPH.	ASPHALT	GALV.	GALVANIZED	P.T.R.	PAPER TOWEL RECEPTACLE
A.B.	ANCHOR BOLT	GAL.	GALLON	P.T.	PRESSURE TREATED (WOLMINIZED)
A.H.	AIR HANDLER	G.B.	GRAB BAR	Q.T.	QUARRY TILE
A.S.U.	AIR SUPPLY UNIT	G.F.I.	GROUND FAULT INTERUPTOR		
ANOD.	ANODIZED	GL.	GLASS	R.	RISER
APPL.	APPLIANCE	GND.	GROUND	RD.	ROOF DRAIN
BD.	BOARD	GR.	GRADE	RFTR.	RAFTER
BITUM.	BITUMINOUS	GRT.	GROUT	RAD.	RADIUS
BLDG.	BUILDING	GYP. BD.	GYPSUM BOARD	RECT.	RECTANGULAR
BLK.	BLOCK	GLU-L.B.	GLUE-LAMINATED BEAM	RM.	ROOM
BLKG.	BLOCKING			REF.	REFERENCE
BM.	BEAM	HC.W.C.	HANDICAPPED WATER CLOSET	REFR.	REFRIGERATOR
BOT.	BOTTOM	HNGR.	HANGER HK. HOOK	REGTR.	REGISTER
BRNZ.	BRONZE	H.B.	HOSE BIBB	REINF.	REINFORCED
B.S.B.M.	BY STEEL BLDG. MANUF.	H.C.	HOLLOW CORE	REQ.	REQUIRED
B.U.R.	BUILT-UP-ROOFING	HDWD.	HARDWOOD	RESIL.	RESILIENT
		HDWE.	HARDWARE	RFG.	ROOFING
CAB.	CABINET	H.P.	HEAT PUMP	R.O. R/O	ROUGH OPENING
C.B.	CATCH BASIN	H.M.	HOLLOW METAL	RWD.	REDWOOD
C.D.F.	CONTROL DENSITY FILL	HORIZ.	HORIZONTAL	RWL.	RAIN WATER LEADER
CEM.	CEMENT CER. CERAMIC	HR.	HOUR		
C.I.	CAST IRON	HGT.	HEIGHT	S.	SOUTH
CLG.	CEILING			S.C.	SOLID CORE
CLKG.	CAULKING	I.D.	INSIDE DIAMETER	S.C.D.	SEAT COVER DISPENSER
CLO.	CLOSET	INSUL.	INSULATION	S.D.	SOAP DISPENSER
CLR.	CLEAR	INT.	INTERIOR	SM.	SHEET METAL
CMU.	CONCRETE MASONRY UNIT	INV.	INVERT ELEVATION	SCHED.	SCHEDULE
COMP.	COMPOSITION			SCRN.	SCREEN
COL.	COLUMN	JAN.	JANITOR	SECT.	SECTION
CONC.	CONCRETE	JT.	JOINT	SEIS.	SEISMIC
C.J.	CONTROL JOINT	JST.	JOIST	SH.	SHELF
CORR.	CORRIDOR			SHWR.	SHOWER
CPT.	CARPET (ED)	KIT.	KITCHEN	SHT.	SHEET
C.P.	CONCRETE PIPE	K.O.	KNOCK-OUT	SHTG.	SHEATHING
CTSK.	COUNTERSUNK			SIM.	SIMILAR
CNTR.	COUNTER	LAB.	LABORATORY	SPCG.	SPACING
CTR.	CENTER	L.S.	LAG SCREW	SPEC.	SPECIFICATION
CU.	CUBIC	LAT.	LATERAL	SQ.	SQUARE
		LAM.	LAMINATE	STGR.	STAGGER(ED)
DBL.	DOUBLE	LAV.	LAVATORY	SST.	STAINLESS STEEL
DEPT.	DEPARTMENT	LKR.	LOCKER	STIFF.	STIFFENER
D.F.	DRINKING FOUNTAIN	LT.	LIGHT	STRUCT.	STRUCTURAL
DET.	DETAIL	LT. WT.	LIGHT WEIGHT	SSK.	SERVICE SINK
DIAG.	DIAGONAL			STA.	STATION
DIA.	DIAMETER	MATL.	MATERIAL	STD.	STANDARD
DIM.	DIMENSION	MAX.	MAXIMUM	STL.	STEEL
DISP.	DISPENSER	M.B.	MACHINE BOLT	STOR.	STORAGE
DN.	DOWN	MAS.	MASONRY	STRL.	STRUCTURAL
D.O.	DITTO	M.C.	MEDICINE CABINET	SUSP.	SUSPENDED
DR.	DOOR	MECH.	MECHANICAL	SYM.	SYMMETRICAL
DWR.	DRAWER	MEMB.	MEMBRANE		
D.S.	D/S DOWNSPOUT	MTL.	METAL	T.	TREAD
D.S.P.	DRY STANDPIPE	MFR.	MANUFACTURER	T.B.	TOWEL BAR
DWG.	DRAWING	MLDG (S)	MOULDING (S)	T.C.	TOP-OF-CURB
		M.H.	MANHOLE	T&G	TONGUE AND GROOVE
E.	EAST	MIN.	MINIMUM	T.P.	TOP-OF-PAVEMENT
EA.	EACH	MIR.	MIRROR	T.P.D.	TOILET PAPER DISPENSER
E.J.	EXPANSION JOINT	MISC.	MISCELLANEOUS	TELE.	TELEPHONE
EL.	ELEVATION	M.O.	MASONRY OPENING	TERR.	TERRAZZO
ELECT.	ELECTRICAL	M.R.	MOISTURE RESISTANT	THK.	THICK
ELEV.	ELEVATOR	MTD.	MOUNTED	T.O.	TOP OF
EMER.	EMERGENCY	MUL.	MULLION	TRTD.	TREATED
ENCL.	ENCLOSURE			T.W.	TOP-OF-WALL
E.O.S.	EDGE OF SLAB	(N.)	NEW	TYP.	TYPICAL
E.P.	ELECTRICAL PANELBOARD	N.	NORTH		
EQ.	EQUAL	NAT.	NATURAL	UTIL.	UTILITY
EQPT.	EQUIPMENT	NO. #	NUMBER	UNF.	UNFINISHED
EQV.	EQUIVALENT	NOM.	NOMINAL	U.O.N.	UNLESS OTHERWISE NOTED
E.W.C.	ELECTRICAL WATER COOLER	N.T.S.	NOT-TO-SCALE	U.O.S.	UNLESS OTHERWISE SHOWN
(E.)	EXISTING	N.P.T.	NATIONAL PIPE THREAD	UR.	URNIAL
EXP.	EXPANSION				
EXT.	EXTERIOR	O.A.	OVERALL	VB.	VAPOR BARRIER
		OBS.	OBSCURE	VERT.	VERTICAL
F.A.	FIRE ALARM	O.C. O/C	ON CENTER	VEST.	VESTIBULE
F.A.U.	FORCED AIR UNIT	O.D.	OUTSIDE DIAMETER	VEN.	VENEER
F.B.	FLAT BAR	O.F.C.I.	OWNER FURNISHED,CONTRACTOR INSTALLED	V.T.O.	VENT-TO-OUTSIDE
F.D.	FLOOR DRAIN	O.F.O.I.	OWNER FURNISHED,OWNER INSTALLED	V.T.R.	VENT-TO-ROOF
F.L.	FLOW LINE	OFF.	OFFICE	VOL.	VOLUME
F.G.	FINISH GRADE	OPNG.	OPENING		
FND.	FOUNDATION	OPP.	OPPOSITE	W.	WEST
F.E.	FIRE EXTINGUISHER	OPT.	OPTIONAL	W/	WITH
F.H.C.	FIRE HOSE CABINET FIN. FINISH	O.S.A.	OUTSIDE AIR	W.C.	WATER CLOSET
FLR.	FLOOR	O.S.B.	ORIENTED STRAND BOARD	WD.	WOOD
FLSH.	FLASH OR FLASHING			WDW	WINDOW
FLUOR.	FLUORESCENT	PNL(S).	PANEL(S)	W/O	WITHOUT
F.O.A.	FACE-OF-BLOCK	PART. BD.	PARTICLE BOARD	WP.	WATERPROOF
F.O.C.	FACE-OF-CONCRETE	PEN.	PENETRATION	WSCT.	WAINSCOT
F.O.F.	FACE-OF-FINISH			WT.	WEIGHT
F.O.S.	FACE-OF-STUDS			WWF.	WELDED WIRE FABRIC
				WM.	WIRE MESH

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON 5173
STATE OF OREGON

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RODD HANSEN ARCHITECT L.L.C.
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)-687-7800
Fax: (541)-687-1200
E-mail: rodd@rharchitectural.com

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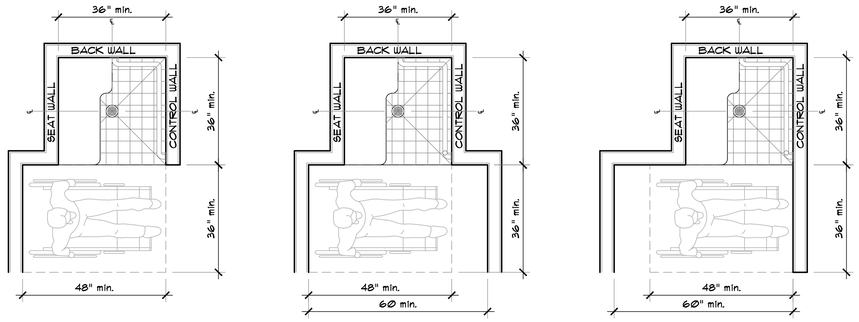
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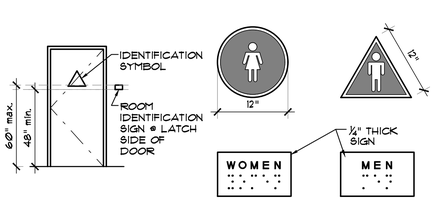
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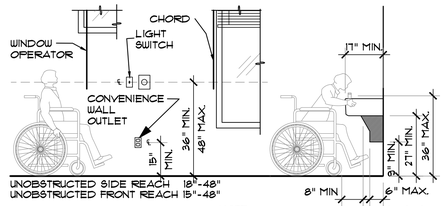
TRANSFER SHOWERS

1. 36" IN WIDTH AND DEPTH DIMENSIONS ARE AN ABSOLUTE REQUIREMENT AND ARE NOT A "MINIMUM" OR "MAXIMUM" DIMENSION
2. 36"x48" CLEAR FLOOR SPACE IS REQUIRED TO ALLOW A PERSON IN A WHEEL CHAIR TO WORK THE CONTROLS AND ADJUST THE WATER FLOW AND TEMPERATURE WHILE OUT-SIDE OF THE SHOWER
3. A TRANSFER SHOWER HAS THE OPTION OF A FIXED OR FOLDING SEAT. MOST TRANSFER SHOWERS HAVE FOLDING SEATS SO THAT STANDING PERSONS CAN HAVE USE OF THE SHOWER



INTERIOR SIGNAGE

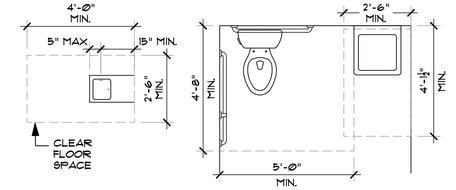
1. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AND BE CENTERED 60" ABOVE THE FINISHED FLOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE-LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
2. THE CHARACTER AND BACKGROUND OF INTERIOR SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND. EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND ARE ACCEPTABLE.
3. LETTERS & NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM CHARACTER HEIGHT FOR SIGNS SUSPENDED OR PROJECTED OVERHEAD IS 3" FOR UPPERCASE LETTERS. LOWERCASE LETTERS ARE PERMITTED.
4. LETTERS AND NUMERALS SHALL BE RAISED NOT LESS THAN 1/32" BE UPPERCASE, SIMPLE TYPEFACES AND BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE NOT LESS THAN 5/8" OR MORE THAN 2" HIGH. ANY PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE AT LEAST 6" HIGH.



ACCESSIBILITY HEIGHTS:

NOTE: equipment permitted in shaded area

1. MANUALLY OPERATED SWITCHES AND CONTROLS FOR LIGHTS, POWER HEAT, VENTILATION, WINDOWS, DRAPERIES, DOORS AND SIMILAR CONTROLS OF FREQUENT AND ESSENTIAL USE ARE TO BE CENTERED BETWEEN 36" AND 48" FROM FLOOR.
2. ELECTRICAL CONVENIENCE WALL OUTLETS ARE TO BE A MINIMUM 15" FROM THE FLOOR. ELECTRICAL CONVENIENCE FLOOR OUTLETS AND BASEBOARD ELECTRICAL OUTLETS USED IN MOVABLE PARTITIONS OR WINDOW WALLS ARE NOT SUBJECT TO THE MINIMUM HEIGHT REQUIREMENTS.
3. DRINKING FOUNTAINS LOCATED WITHIN ALCOVES OR POSITIONED SO AS NOT TO BE IN CORRIDOR OR WALK, SHALL COMPLY WITH ABOVE.
4. THE BUBBLER CAN BE ACTIVATED BY HAND OPERATED LEVER WITHIN 6" OF THE FRONT, PUSH BAR ALONG FRONT OR BY ANOTHER APPROVED CONTROL EASILY OPERATED BY A HANDICAPPED PERSON.
5. WATER STREAM IS TO BE PARALLEL TO THE FRONT SIDE OF THE FOUNTAIN.



ACCESSIBILITY CLEARANCES:

1. FLOOR DRAINS SHALL NOT BE LOCATED WITHIN THE CLEAR FLOOR SPACE AT A LAVATORY, WATER CLOSET, URINAL, OR BATHTUB OR SHOWER. FLOORS SHALL NOT SLOPE IN EXCESS OF 1 UNIT VERTICAL IN 50 UNITS HORIZONTAL (2% SLOPE.)
2. WHEN DOOR IS LOCATED IN CORRIDOR SIDEWALL AND SWINGS INTO THE CORRIDOR, MINIMUM WIDTH OF CORRIDOR SHALL BE 60" UNLESS OTHER STATE OR LOCAL BUILDING CODES ALLOW LESSER CORRIDOR WIDTH.
3. AN UNOBSTRUCTED FLOOR SPACE SHALL BE PROVIDED WITHIN BATHROOMS, TOILET ROOMS, BATHING FACILITIES AND SHOWER ROOMS OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60" OR A "T"-TURN. DOORS IN ANY POSITION MAY ENCROACH INTO THIS SPACE BY NOT MORE THAN 12", BUT SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OF ANY FIXTURE. THE CLEAR FLOOR SPACES AT FIXTURES, THE ACCESSIBLE ROUTE AND THE UNOBSTRUCTED FLOOR SPACE MAY OVERLAP.
4. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND BE MOUNTED FOR USE FROM THE WIDE SIDE OF THE WATER CLOSET AREA AND NOT MORE THAN 44" ABOVE THE FLOOR. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH THE WRIST OR ARM AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS-FORCE.

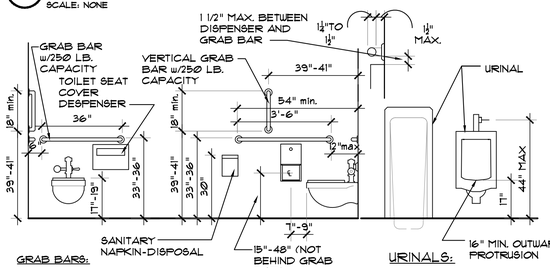
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RODD E. HANSEN
EUGENE, OREGON 5173
STATE OF OREGON

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RODD HANSEN ARCHITECT L.L.C.
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

1 TRANSFER SHOWERS

SCALE: NONE



GRAB BARS:

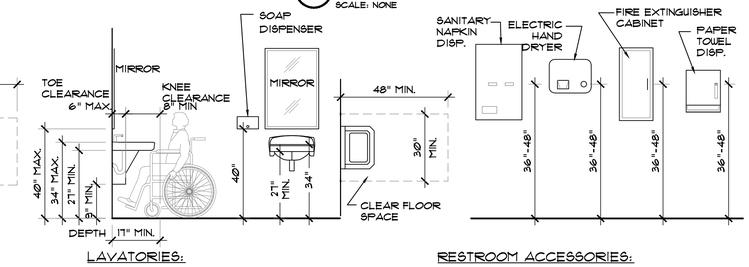
1. LOCATE GRAB BARS ON EACH SIDE OR ONE SIDE AND AT THE BACK OF TOILET, 33" ABOVE AND PARALLEL TO THE FLOOR, EXCEPT WITH A TANK-TYPE TOILET WHICH OBSTRUCTS PLACEMENT, THE GRAB BAR MAY BE AS HIGH AS 36". GRAB BARS AT SIDE TO BE 42" LONG AND WITH FRONT END 24" IN FRONT OF TOILET. BARS IN BACK TO BE 36" LONG. DIAMETER OR WIDTH OF GRIPPING SURFACE IS REQUIRED TO BE 1¼" TO 1½", OR SHAPE IS TO PROVIDE AN EQUIVALENT GRIPPING SURFACE.
2. IF GRAB BARS ARE MOUNTED ADJACENT TO WALL, THE SPACE BETWEEN WALL AND BAR IS TO BE 1½".
3. GRAB BARS SHALL NOT ROTATE.
4. GRAB BARS AND ANY SURFACE ADJACENT TO THEM CANNOT HAVE ANY SHARP OR ABRASIVE ELEMENTS. EDGES ARE TO HAVE A MINIMUM RADIUS OF ⅛".
5. GRAB BARS AND MOUNTINGS SHALL WITHSTAND 250 LBS/SIDE 500 LBS. WEIGHT/MIDDLE.

URINALS:

1. PROVIDE STALL-TYPE OR WALL HUNG URINALS WITH AN ELONGATED RIM AT MAXIMUM HEIGHT 17". FLUSH CONTROLS TO BE HAND OPERATED AND MEET SAME REQUIREMENTS AS FLUSH CONTROLS OF TOILET AND TO BE NO MORE THAN 44" ABOVE FLOOR
2. ALTHOUGH NOT EMPHASIZED IN REGULATIONS, THE ACCESSIBLE WALL HUNG URINAL SHOULD BE MAXIMUM ELONGATED RIM AVAILABLE.
3. WHERE URINALS ARE PROVIDED AT LEAST ONE SHALL HAVE A CLEAR SPACE IN FRONT OF URINAL 30"X48".

3 INTERIOR SIGNAGE

SCALE: NONE



LAVATORIES:

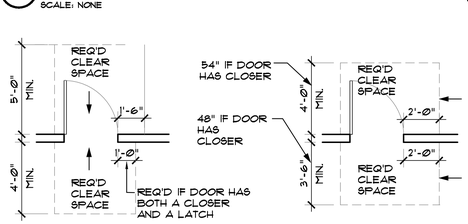
1. PROVIDE A CLEAR SPACE 30"X48" IN FRONT OF THE LAVATORY. THE CLEAR SPACE MAY EXTEND INTO KNEE AND TOE SPACE UNDER LAVATORY.
2. INSULATE OR COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES. NO SHARP OR ABRASIVE SURFACES ARE ALLOWED UNDER LAVATORIES.
3. FAUCET CONTROLS AND OPERATING MECHANISMS ARE REQUIRED TO BE OPERABLE WITH ONE HAND AND CANNOT REQUIRE GRASPING, PITCHING, OR TWISTING OF WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS IS NOT TO EXCEED 5 LBS. PER FT. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN.
4. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

RESTROOM ACCESSORIES:

1. THE HIGHEST OPERABLE PART OF ENVIRONMENTAL AND OTHER CONTROLS, DISPENSERS, ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLES ON WALLS AND OTHER OPERABLE EQUIPMENT SHALL BE A MAXIMUM HIGH FORWARD OF 48" AND SHALL NOT BE LESS THAN 36" ABOVE THE FLOOR.
2. MOUNT MIRRORS WITH BOTTOM EDGE NO MORE THAN 40" FROM FLOOR.

4 ACCESSIBILITY HEIGHTS

SCALE: NONE



DOORS:

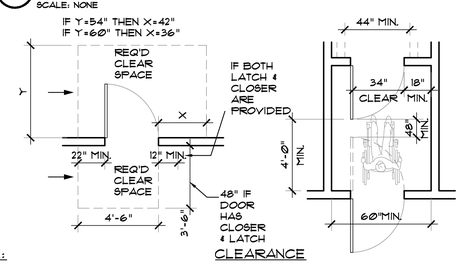
1. WHERE DOORWAYS HAVE TWO INDEPENDENTLY OPERATED DOOR LEAVES, THEN AT LEAST ONE LEAF SHALL COMPLY WITH REQUIRED DOOR SIZE, CONTROLS, ETC.
2. UNINTERRUPTED KICK AT BOTTOM OF DOOR SHALL BE 10".
3. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED ½" IN HEIGHT AT EXTERIOR DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL (50% SLOPE.)
4. EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

DOOR HARDWARE:

1. IT SHALL BE OPERABLE FROM SINGLE EFFORT, NO GRASPING OR WRIST MOVEMENT (LEVERS, PUSH-PULLS OR PANIC DEVICES).
2. IT SHALL BE MOUNTED AT 36"-48" HIGH.
3. IT SHALL BE OPERABLE FROM INSIDE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT.

5 ACCESSIBILITY CLEARANCES

SCALE: NONE



CLEARANCE

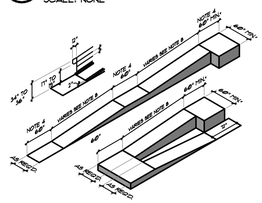
1. SPACE IS NECESSARY TO ALLOW BACKING AND TURNING SPACE FOR A WHEELCHAIR IN ORDER TO CLEAR "IN" SWINGING DOOR

ALLOWABLE CLOSURE PRESSURE:

1. INTERIOR DOOR = 5 POUNDS
2. EXTERIOR DOOR = 8.5 POUNDS
3. WHERE ENVIRONMENTAL CONDITIONS REQUIRE GREATER CLOSING PRESSURE, POWER-OPERATING DOORS SHALL BE USED WITHIN THE ACCESSIBLE ROUTE.

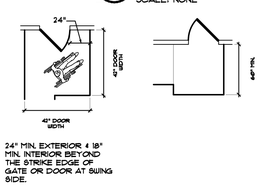
6 TOILET ACCESSORIES

SCALE: NONE



7 URINALS

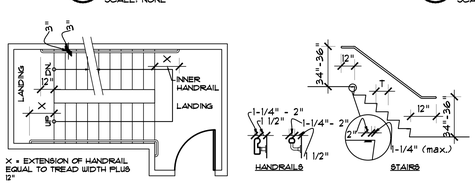
SCALE: NONE



24" MIN. EXTERIOR & 18" MIN. INTERIOR BEYOND THE STRIKE EDGE OF GATE OR DOOR AT SWING SIDE.

8 LAVATORIES

SCALE: NONE

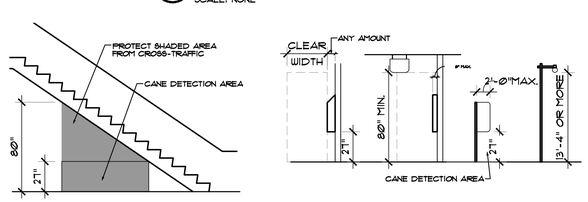


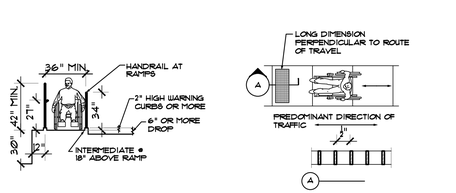
9 RESTROOM ACCESSORIES

SCALE: NONE

10 DOORS

SCALE: NONE





RAMP NOTES:

1. MAXIMUM ALLOWABLE SLOPE OF RAMP IS 1:12.
2. MAXIMUM CROSS SLOPE OF 1:50.
3. LANDINGS ARE REQUIRED AT TOP AND BOTTOM OF EVERY RAMP.
4. INTERMEDIATE LANDINGS ARE REQUIRED AT INTERVALS NOT EXCEEDING 30" OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION.
5. LANDINGS SHALL BE MINIMUM 60" LONG, OR WIDTH OF RAMP IF GREATER IN DIRECTION OF TRAVEL.
6. PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES TO BUILDINGS WITH OCCUPANCY LOAD OF 300 OR MORE WILL REQUIRE 60" CLEAR WIDTH.
7. RAMPS WITH OCCUPANCY LOAD OF LESS THAN 50 MAY BE 36" WIDE (HOTELS, APARTMENT HOUSES, CONVENTS, MONASTERIES, DWELLINGS).
8. HANDRAILS WILL BE REQUIRED ON EACH SIDE OF RAMP, CONTINUOUS FOR FULL LENGTH OF RAMP (SLOPES EXCEEDING 1:20).
9. RAMPS WITH SLOPES OF 1:20 OR GREATER WILL REQUIRE SLIP RESISTANT FINISH.

11 RAMPS

SCALE: NONE

STAIRS:

1. MARK UPPER APPROACH AND THE LOWER TREAD OF EACH FLIGHT OF EACH STAIR BY A STRIP 2" WIDE PLACED PARALLEL TO AND NOT MORE THAN 1" FROM NOSE OF STEP OF LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP IS REQUIRED TO BE OF MATERIALS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF STAIRS AND TO BE OF A CLEARLY CONTRASTING COLOR. A PAINTED STRIP IS ACCEPTABLE (INTERIOR).
2. 80" CLEAR IS REQUIRED FOR HEADROOM IN WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES AND OTHER CIRCULATION SPACES.
3. WHERE STAIRWAYS OCCUR OUTSIDE A BUILDING, THE UPPER APPROACH AND ALL TREADS SHALL BE MARKED WITH A 2" STRIP.
4. BRAILLE IDENTIFICATION INDICATING FLOOR AND TRAVEL DIRECTION LOCATED AT THE TOP AND BOTTOM OF EACH STAIR RUN.
5. RISE AND RUN: THE RUN OF EVERY STEP IS REQUIRED TO BE NOT LESS THAN 11" AS MEASURED HORIZONTALLY BETWEEN VERTICAL PLANES OF THE FURTHERMOST PROJECTION OF ADJACENT TREADS.
6. TREADS: THE RISE OF EVERY STEP MUST BE BETWEEN 4"-7" WITH THE GREATEST DIFFERENCE BE LESS THAN ⅜". IN STAIRS THAT MAY BE USED BY A DISABLED PERSON, THE TREADS ARE REQUIRED TO BE SMOOTH, ROUNDED OR CHAMFERED WITHOUT ABRUPT EDGES AT THE LOWER FRONT EDGE OF NOSING.
7. NOSING: SHALL NOT PROJECT MORE THAN 1 1/2" PAST FACE OF RISER.
8. CLOSED RISERS: SHALL BE SUFFICIENTLY SOLID TO PREVENT PASSAGE OF OBJECTS LARGER THAN 1/4" MAXIMUM DIMENSION.

12 STAIRS

SCALE: NONE

EXTERIOR HAZARDS:

WARNING CURB AT ABRUPT CHANGES IN LEVEL EXCEEDING 4" IN A VERTICAL DIMENSION, SUCH AS THE PLANTERS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS AT LEAST 6" HIGH TO WARN THE BLIND OF A POTENTIAL DROP-OFF. NO CURB IS REQUIRED IF GUARDRAIL IS PROVIDED CENTERED 3" PLUS OR MINUS 1" ABOVE SURFACE OF WALK OR SIDEWALK.

OBSTRUCTIONS:

1. ANY OBSTRUCTION THAT OVERHANGS A ROUTE BY WHICH A PEDESTRIAN MAY PASS IS REQUIRED TO BE AT LEAST 80" ABOVE WALKING SURFACE AS MEASURED TO BOTTOM OF OBSTRUCTION. OBJECTS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" FROM WALK CANNOT PROTRUDE MORE THAN 4" INTO WALKS AND HALLS.
2. OBJECTS WITH THEIR LEADING EDGES WITHIN 27" OF WALK MAY PROTRUDE ANY DISTANCE, BUT MAY NOT REDUCE THE REQUIRED CLEAR SPACE.
3. FREE STANDING OBJECTS ON POSTS OR PYLONS MAY OVERHANG 12".
4. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACE SHALL HAVE 80" MINIMUM CLEAR HEAD ROOM.

FLOOR:

1. BUILDING SHALL BE ONE COMMON FLOOR LEVEL THROUGHOUT, UNLESS VARYING LEVELS ARE PROVIDED WITH CONFORMING RAMPS OR LIFTS.
2. ALL FLOORS SHALL BE SLIP RESISTANT.

GRATING:

1. WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHOULD NOT HAVE GRATINGS.
2. WHERE GRATINGS OCCUR IN THE PATH OF TRAVEL, THE GRID OPENINGS ARE REQUIRED TO BE NO GREATER THAN 1/2" IN THE DIRECTION OF TRAFFIC FLOW.

WALKS AND SIDEWALK:

1. PRIVATE WALKS OR SIDEWALKS ARE REQUIRED TO BE ACCESSIBLE IF THEY LEAD TO BUILDINGS AND FACILITIES REQUIRED TO BE ACCESSIBLE.
2. A MINIMUM OF 48" IS REQUIRED.
3. WALKS AND SIDEWALKS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2" AND SHALL BE A MINIMUM OF 48" WIDE.
4. SURFACES WITH SLOPE OF LESS THAN 6% GRADIENT SHALL BE SLIP RESISTANT.
5. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4"/FT.

13 HAZARDS

SCALE: NONE

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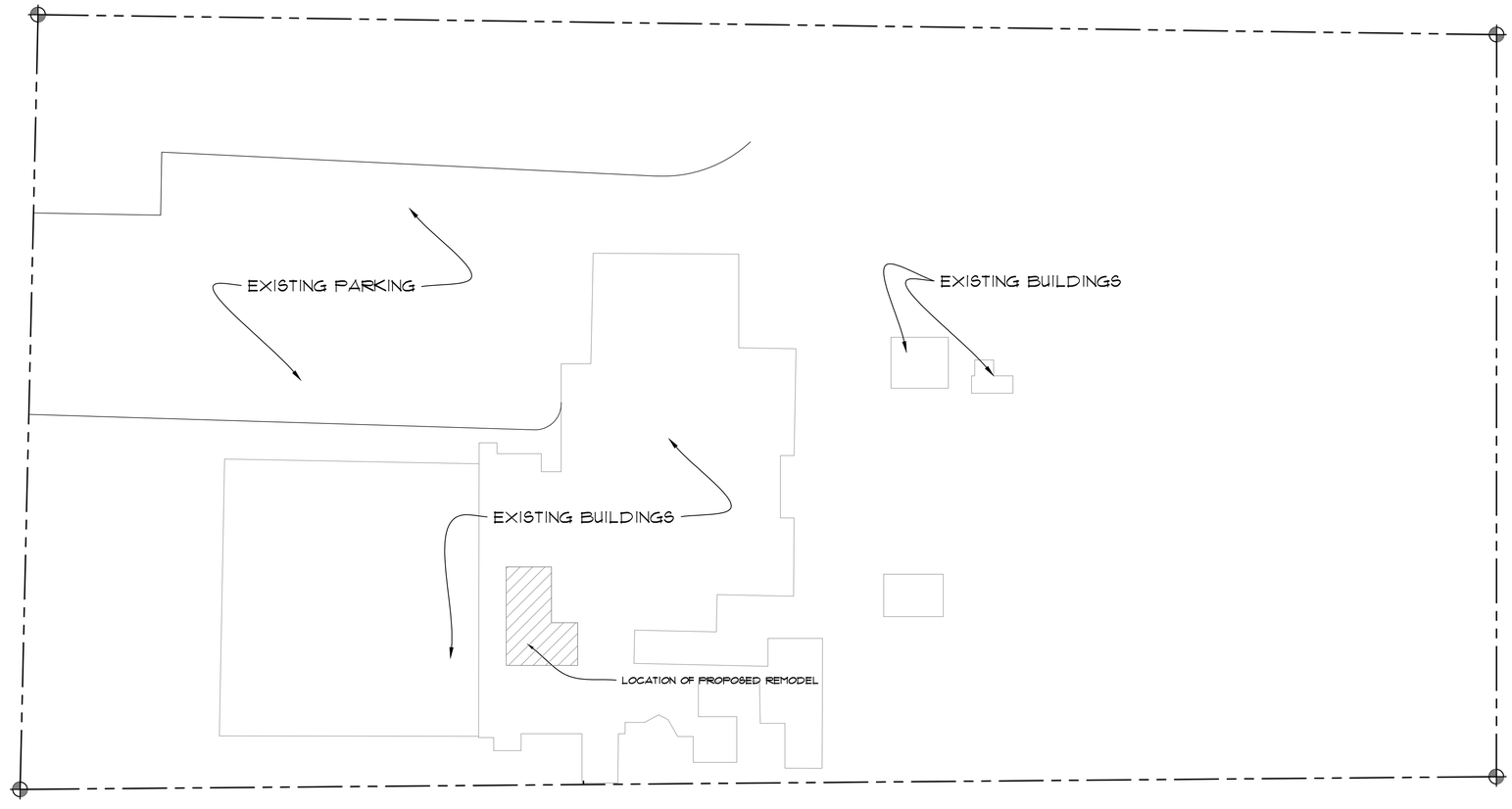
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ISSUE DATE: 03-31-2025

SCALE: VARIES

A0.2



NORTH

ARCHITECTURAL SITE PLAN

SCALE: 1" = 60'

0' 60' 120' 180'

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON
5173
STATE OF OREGON

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RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-Mail: rodd@rhearchitectural.com

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ARCHITECTURAL
TITLE: SITE PLAN

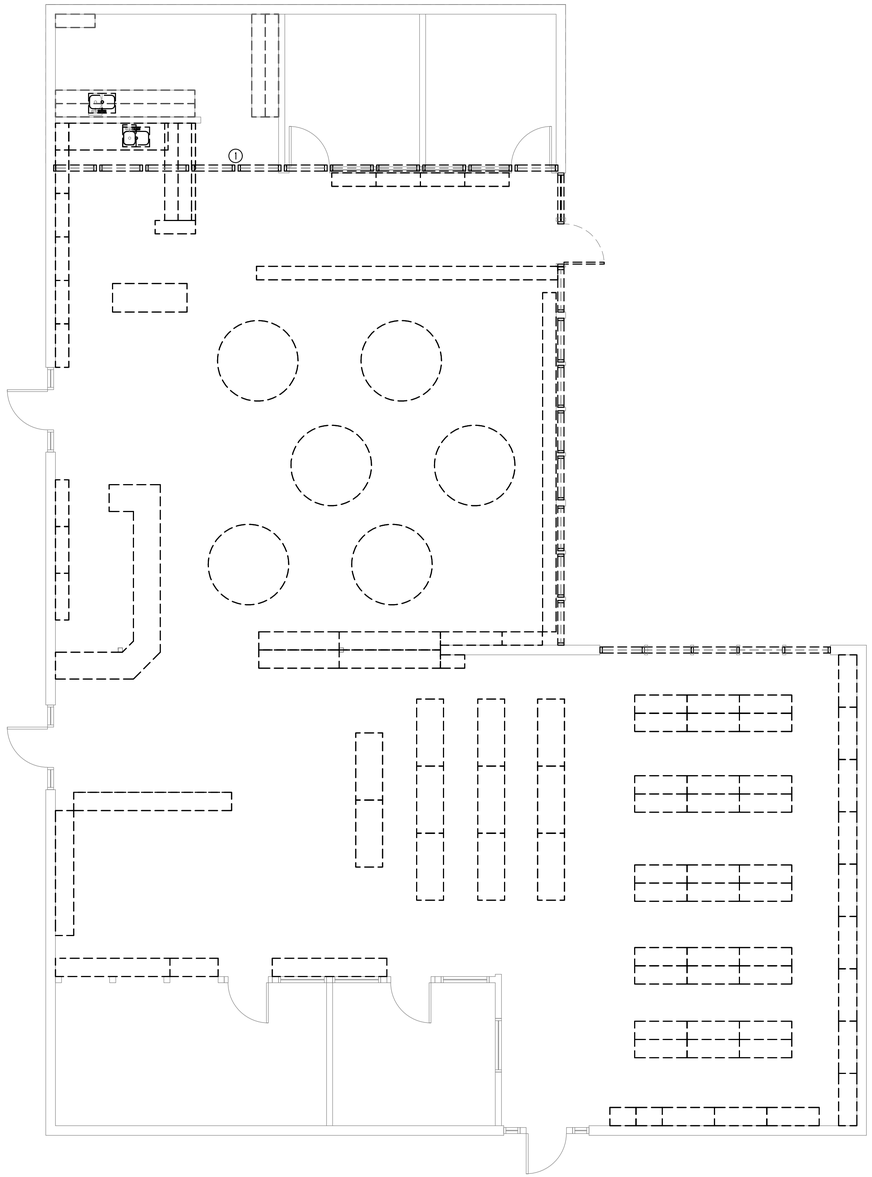
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DRAWN BY: JSD

ISSUE DATE: 2-2-2024

SCALE: 1"=60'-0"

A1.1



FIRST FLOOR DEMO PLAN

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

LEGEND

- NEW WALL
- EXISTING WALL
- AREA OF EXISTING STRUCTURE
- DEMO

GENERAL NOTES:

1. SITE TO BE CLEANED OF ALL DEMOLISHED MATERIAL BY CONTRACTOR PRIOR TO NEW CONSTRUCTION
2. ALL DAMAGE TO REMAINING STRUCTURE AFTER DEMOLITION WILL BE REPAIRED AND PAINTED TO MATCH EXISTING BUILDING

KEY NOTE

1. WINDOWS ABOVE TO BE REMOVED

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EUGENE, OREGON
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RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@hansenarchitectural.com

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TITLE: FIRST FLOOR DEMO PLAN

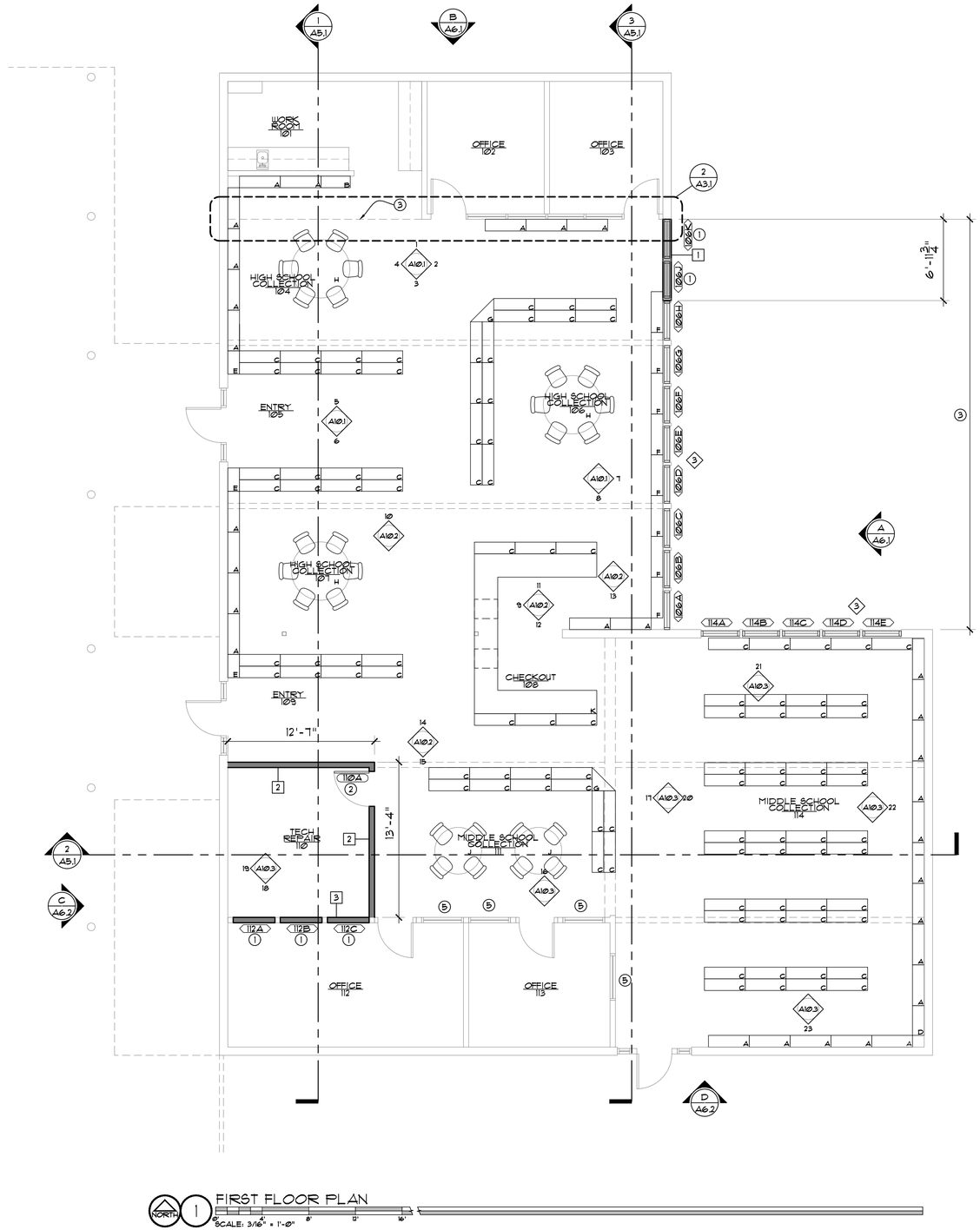
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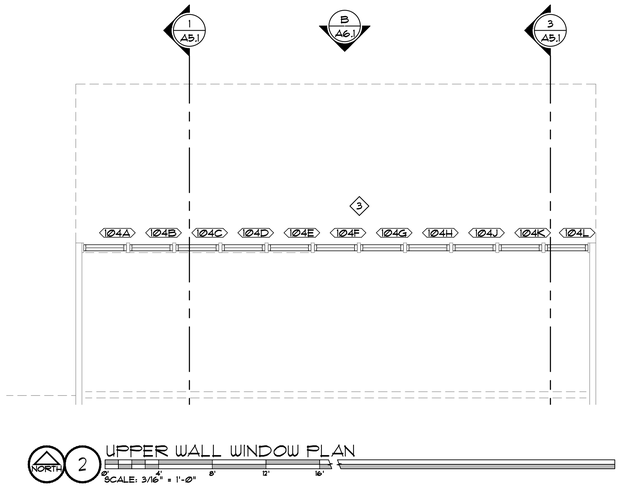
ISSUE DATE: 03-31-2025

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

A2.1



FIRST FLOOR PLAN
SCALE: 3/16" = 1'-Ø"



UPPER WALL WINDOW PLAN
SCALE: 3/16" = 1'-Ø"

LEGEND

- 2x6 WOOD FRAMED WALL
- EXISTING WALL
- 2x4 WOOD FRAMED WALL

GENERAL NOTES: ◈

GENERAL NOTES:

1. MR TYPE "X" GYP. BD. BEHIND ALL WATER FIXTURES TO EXTEND 2' BEYOND THE FIXTURE (typ.) U.O.N.
2. PROVIDE VERTICAL 2x6 STUD (FLAT) IN WALL FRAMING WHERE DOOR HARDWARE STRIKES WALL
3. CONTRACTOR TO VERIFY ALL WINDOW SIZES AND FIELD VERIFY HEIGHTS AND WIDTHS PRIOR TO ORDERING WINDOW PACKAGE (typ.)

KEY NOTES: ⊙

1. EXISTING WINDOWS TO BE REMOVED AND PARTIALLY IN-FILLED REFER TO A1Ø, A9.1 AND A1Ø SHEETS FOR NEW WINDOW SIZES AND LOCATION
2. PROVIDE VERTICAL 2x6 STUD (FLAT) IN WALL FRAMING WHERE DOOR HARDWARE STRIKES WALL
3. WINDOWS TO BE REMOVED AND REPLACED WITH NEW REFER TO A3.1, A6, A9 AND A1Ø SHEETS FOR LOCATION AND SIZES
4. NOT USED
5. REMOVE 1x2 GLAZING STOP, REPLACE IGU, INSTALL NEW 1x2 GLAZING STOP REFER TO A9.1, A1Ø SHEETS FOR DETAILS
6. EXISTING WINDOWS TO BE REMOVED AND REPLACED REFER TO A6

WALL TYPES ◨

1. MATCH EXISTING SIDING (CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS / APPROVED VAPOR BARRIER / 1/2" CDX PLY.WD. (NAILED 8d COMMON NAIL 4" O.C. EDGES 10" O.C. FIELD / 2x6 STUD WALL @ 16" O.C. (R-21 BATT INSULATION) / 5/8" GYP.BD.
2. 5/8" TYPE "X" GYP. BD. / 2x6 STUD WALL / 5/8" GYP. BD.
3. WINDOW IN-FILL, REFER TO KEY NOTE 1. (5/8" TYPE "X" GYP. BD. / 2x6 STUD WALL / 5/8" GYP. BD.)

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON
5173
STATE OF OREGON

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RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1200
Fax: (541)687-1200
E-Mail: rodd@rharchitectural.com

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FIRST
TITLE: FLOOR PLAN

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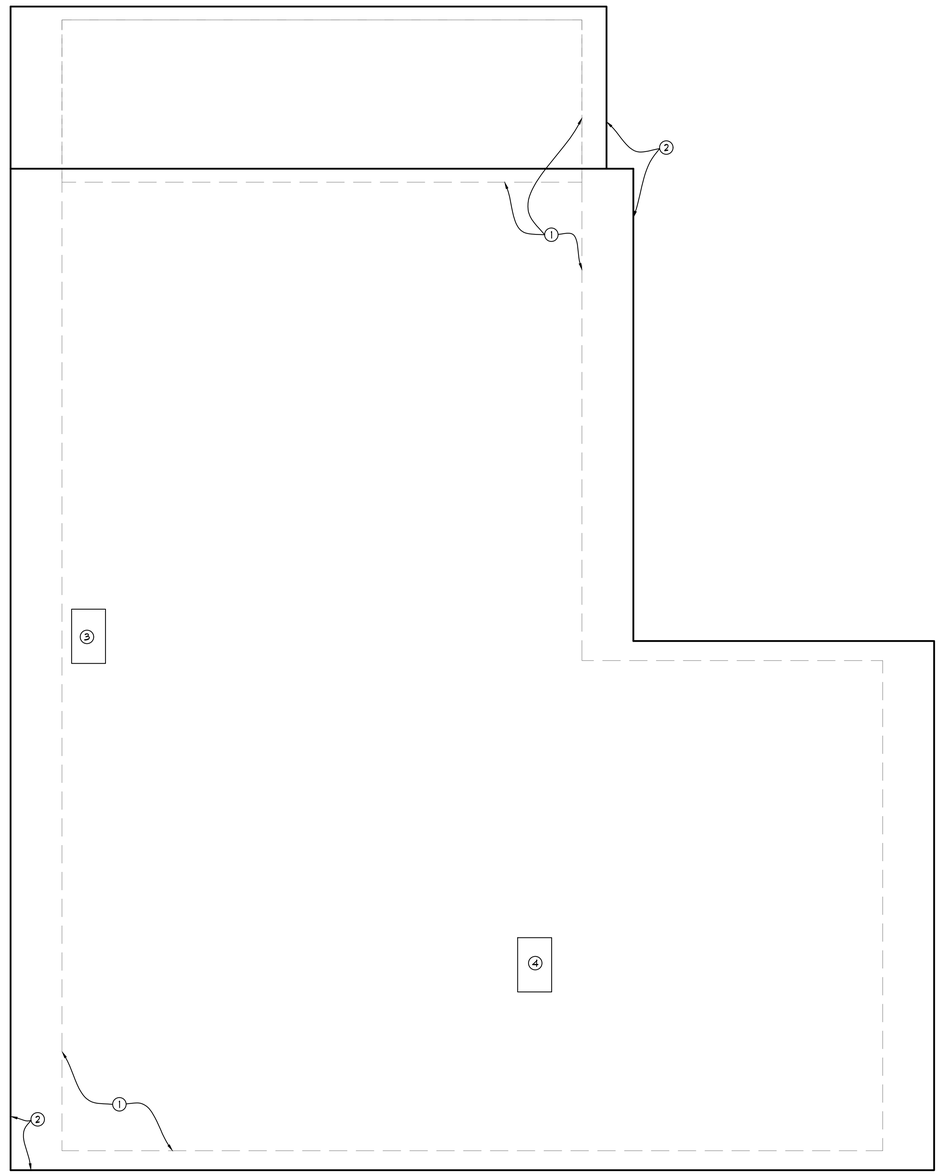
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ISSUE DATE: Ø3-31-2025

SCALE: 3/16"=1'-Ø"

A3.1



ROOF PLAN

NORTH

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

0" 4" 8" 12" 16"

KEY NOTES: ⊙

1. DASHED LINE INDICATES EXISTING BUILDING BELOW
2. EXISTING ROOF OUTLINE
3. EXISTING MECHANICAL UNIT TO REMAIN AS IS
4. EXISTING MECHANICAL UNIT TO BE REMOVED AND REPLACED WITH NEW

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RODD HANSEN ARCHITECT, LLC
ARCHITECT PPC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

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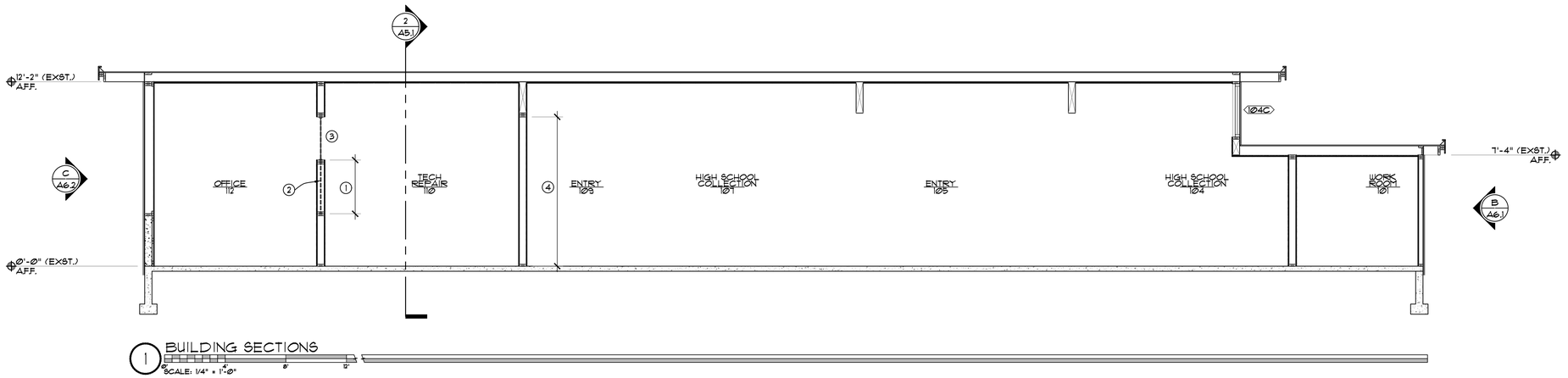
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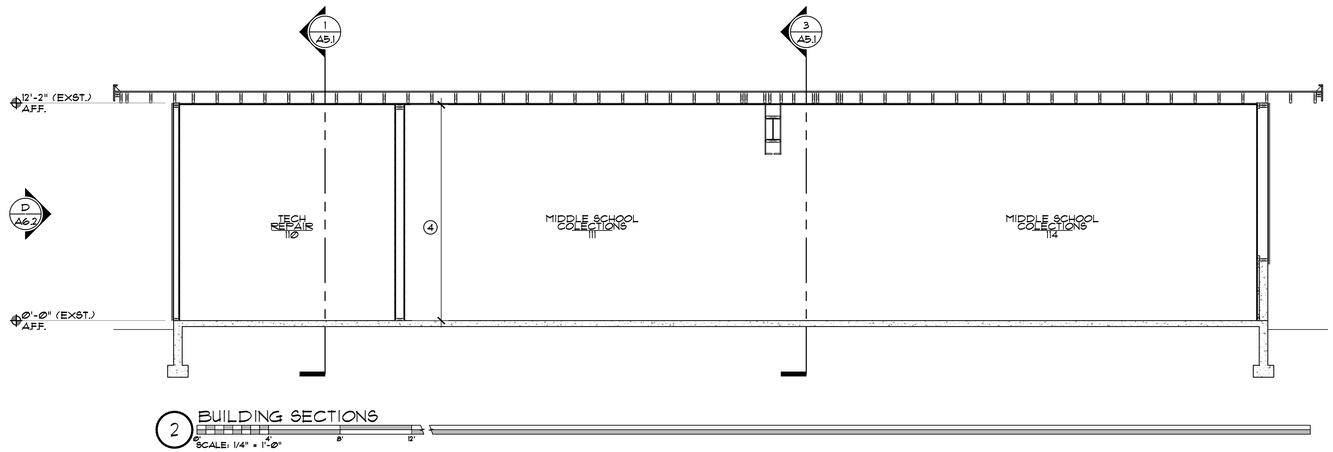
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A4.1



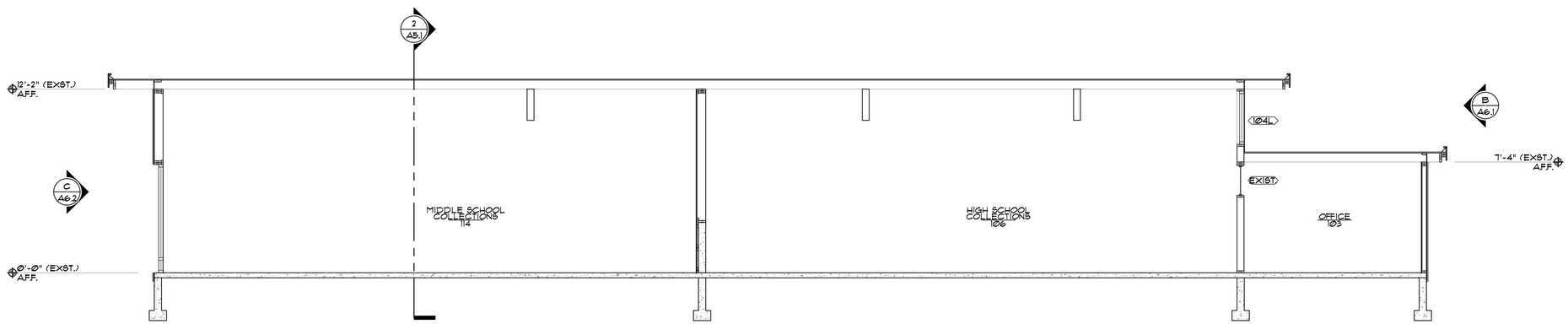
1 BUILDING SECTIONS

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



2 BUILDING SECTIONS

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



3 BUILDING SECTIONS

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

KEY NOTES: ⊙

1. AREA OF WALL IN-FILL (5/8" GYP.BD. / 2x @ 16" O.C. / 5/8" GYP.BD.) (CONTRACTOR TO FIELD VERIFY AND MATCH EXISTING WALL THICKNESS)
2. REMOVE EXISTING WINDOWS
3. NEW 3'2'0 WINDOW AS SELECTED
4. NEW 2x WALL (5/8" GYP.BD. / 2x6 STUDS @ 16" O.C. / 5/8" GYP.BD.)
5. EXISTING WINDOWS TO BE REMOVED AND REPLACED. REFER TO A6 SHEETS TO TYPES AND LOCATIONS

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON
5173
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RODD HANSEN ARCHITECT, L.L.C.
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@hansenarchitectural.com

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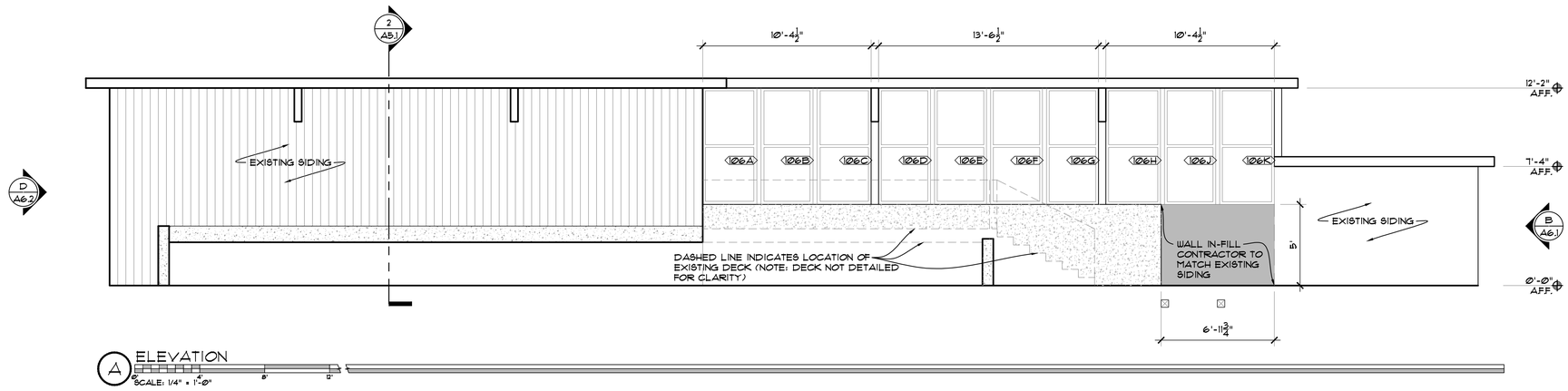
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TITLE: SECTIONS

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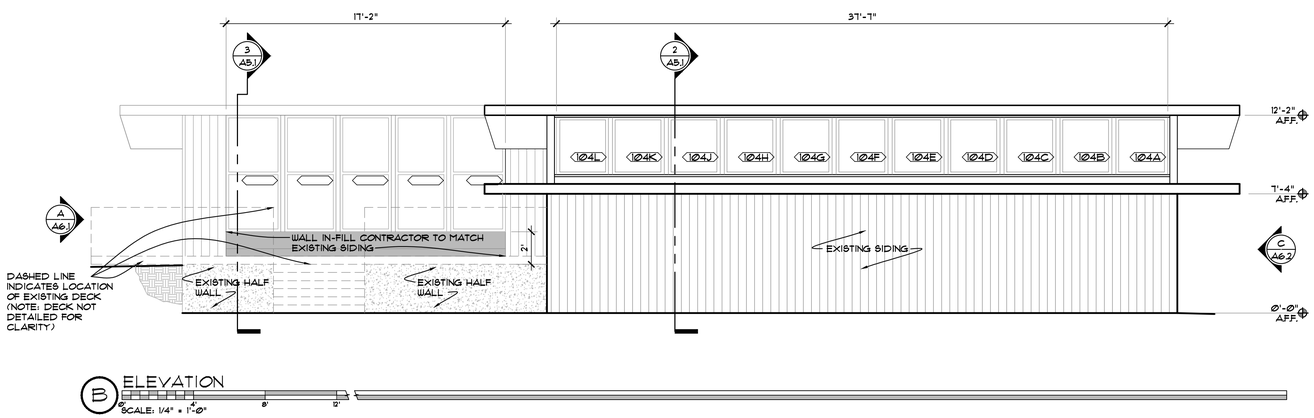
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ISSUE DATE:	03-31-2025
SCALE:	1/4"=1'-0"

A5.1



A ELEVATION

SCALE: 1/4" = 1'-Ø"



B ELEVATION

SCALE: 1/4" = 1'-Ø"

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RODD HANSEN ARCHITECT, L.L.C.
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rhanarchitectural.com

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TITLE: ELEVATIONS

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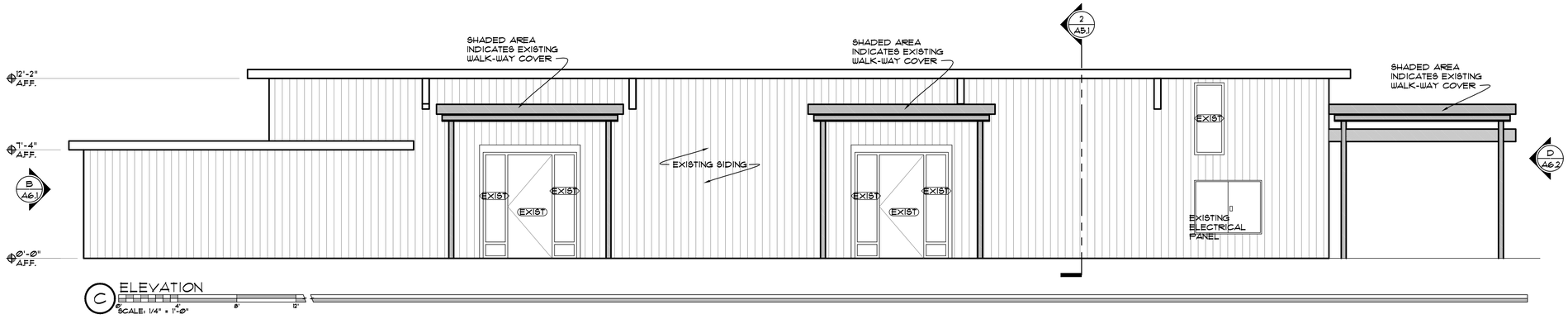
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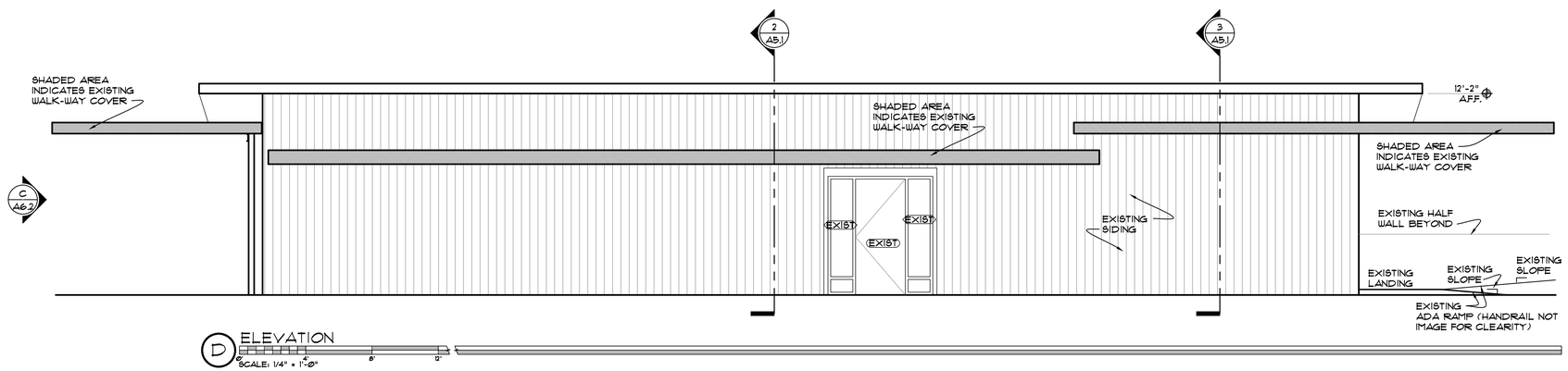
ISSUE DATE: 03-31-2025

SCALE: 1/4"=1'-Ø"

A6.1



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



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

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RODD HANSEN ARCHITECT, L.L.C.
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rhearchitectural.com

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ISSUE DATE: 03-31-2025

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

A6.2

DOOR SCHEDULE

TAG	TYP.	DOOR SIZE WD	SIZE HGT	SIZE THK	MATL	GLAZING	LOUVER WD	LOUVER HGT	FRAME MATL	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING LABEL	HARDWARE SET NO	HARDWARE KEYSIDE RM NO	NOTES	TAG
1	1	3'-0"	7'-0"	1-3/4"	TIMELY	--	--	--	MTL.	2/A9.2	2/A9.2	6/A9.2	--	1	OUTSIDE		

WINDOW SCHEDULE

TAG	TYP.	WINDOW SIZE WD	SIZE HGT	MATL	GLAZING	FRAME MATL	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING LABEL	NOTES	TAG
104A	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104A
104B	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104B
104C	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104C
104D	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104D
104E	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104E
104F	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104F
104G	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104G
104H	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104H
104J	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104J
104K	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104K
104L	1	3'-2 1/4"	3'-6 1/4"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		104L
106A	2	3'-4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106A
106B	2	3'-2 1/2"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106B
106C	2	3'-4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106C
106D	2	3'-2 1/2"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106D
106E	2	3'-2 1/2"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106E
106F	2	3'-2 1/2"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106F
106G	2	3'-2 1/2"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106G
106H	2	3'-4 1/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106H
106J	2	3'-1 3/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106J
106K	2	3'-4 1/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		106K
112A	1	3'-7"	2'-10"	--	--	WD.	3/A9.2	3/A9.2	7/A9.2	--		112A
112B	1	3'-7"	2'-10"	--	--	WD.	3/A9.2	3/A9.2	7/A9.2	--		112B
112C	1	3'-7"	2'-10"	--	--	WD.	3/A9.2	3/A9.2	7/A9.2	--		112C
114A	2	3'-4 1/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		114A
114B	2	3'-1 3/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		114B
114C	2	3'-1 3/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		114C
114D	2	3'-1 3/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		114D
114E	2	3'-4 1/4"	7'-2"	--	--	VINYL	1/A9.2	5/A9.2	9/A9.2	--		114E

HARDWARE SCHEDULE

MANUFACTURES SPECIFIED:

PRODUCT SPECIFIED	MANUFACTURER SPECIFIED	SYMBOL SPECIFIED	APPROVED EQUAL
BUTTS	McKINNEY	MC	IVES
LOCKSETS	SCHLAGE	SCH	NONE
CYLINDERS	SCHLAGE	SCH	NONE
PANICS	VON DUPRIN	VD	NONE
CLOSERS	LCN	LCN	NONE
STOPS	IVES	I	NONE
SEALS	STEELCRAFT	STE	NONE

KEYING: PROVIDE CONSTRUCTION CYLINDERS ON EXTERIOR DOORS. KEY ALL NEW CYLINDERS INTO EXISTING GRAND?MASTER KEY SYSTEM. VERIFY KEYWAY WITH ARCHITECT AND OWNER

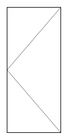
HARDWARE GROUPS:

GROUP 1

101A, 101B,

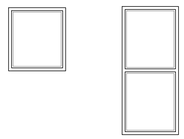
3	EA	BUTTS 5BB1HW 4.5 X 4.5 NRP	652	IVE
1	EA	LOCKSET L9456P 06A	626	SCH
1	EA	KICKPLATE 8400 10 X2" LDW	630	IVE
1	EA	CLOSER 4111 S CUSH DA WMS	ALUM	LCN
1	EA	THRESHOLD VERIFY	ALUM	P
1	EA	DOOR BOTTOM 216AV	ALUM	P

DOOR TYPES



1

WINDOW TYPES



1 2

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR MAT.	FLOOR FINISH	WALL MAT.	WALL BASE	WALL FINISH N	WALL FINISH W	WALL FINISH S	WALL FINISH E	CEILING MAT.	CEILING FINISH	CEILING HEIGHT	REMARKS	ROOM #
101	WORK ROOM	EXISTING	2	EXISTING	5	1	1	1	1	EXISTING		7'-4"		101
102	OFFICE	EXISTING	3	EXISTING	EXISTING	1	1	1	1	EXISTING		7'-4"		102
103	OFFICE	EXISTING	3	EXISTING	EXISTING	1	1	1	1	EXISTING		7'-4"		103
104	HIGH SCHOOL COLLECTION	EXISTING	3	EXISTING	EXISTING	1	1	--	1	EXISTING		12'-2"		104
105	ENTRY	EXISTING	3, 4*	EXISTING	EXISTING	--	1	--	--	EXISTING		12'-2"	* REFER TO 2/A13.1	105
106	HIGH SCHOOL COLLECTION	EXISTING	3	EXISTING	EXISTING	--	--	--	1	EXISTING		12'-2"		106
107	HIGH SCHOOL COLLECTION	EXISTING	3	EXISTING	EXISTING	--	1	--	--	EXISTING		12'-2"		107
108	CHECK OUT	EXISTING	3	EXISTING	EXISTING	--	--	--	1	EXISTING		12'-2"		108
109	ENTRY	EXISTING	3, 4*	EXISTING*	EXISTING, 6	--	1	1	--	EXISTING		12'-2"	* REFER TO 2/A13.1 **NEW WALL (2x4 STUDS @ 16" O.C. w/ 5/8" GYP.BD.	109
110	TECH REPAIR	EXISTING	3	EXISTING*	EXISTING, 6	1	1	1	1	EXISTING		12'-2"	*NEW WALL AND WINDOW INFILL (2x4 STUDS @ 16" O.C. w/ 5/8" GYP.BD.	110
111	MIDDLE SCHOOL COLLECTION	EXISTING	3	EXISTING*	EXISTING, 6	--	1	1	--	EXISTING		12'-2"	*NEW WALL (2x4 STUDS @ 16" O.C. w/ 5/8" GYP.BD.	111
112	OFFICE	EXISTING	3	EXISTING*	EXISTING, 6	1	1	1	1	EXISTING		12'-2"	*WINDOW INFILL (2x4 STUDS @ 16" O.C. w/ 5/8" GYP.BD.	112
113	OFFICE	EXISTING	3	EXISTING	EXISTING	1	1	1	1	EXISTING		12'-2"		113
114	MIDDLE SCHOOL COLLECTION	EXISTING	3	EXISTING	EXISTING	1	1	1	1	EXISTING		12'-2"		114

MATERIAL SCHEDULE

PAINT

1. LATEX ENAMEL COLOR TO SELECTED BY OWNER (PRIME ALL SURFACES PRIOR TO PAINTING)

VINYL

2. RESILIENT SHEET VINYL
3. CARPET SQUARES (AS SELECTED)
4. WALK OFF CARPET SQUARES (AS SELECTED)

WALL BASE

5. INTEGRAL VINYL COVE BASE
6. RUBBER BASE TO MATCH EXISTING (CONTRACTOR TO FIELD VERIFY)

WALL SUBSTRATE

7. GYPSUM BOARD TYPE "X"

NOTE

1. PREP AND CLEAN SUB-FLOOR PRIOR TO NEW FLOOR FINISH INSTALLATION

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON
5173
STATE OF OREGON

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RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

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DOOR, WINDOW AND FINISH

TITLE: SCHEDULES

JOB#: 1513.02172023

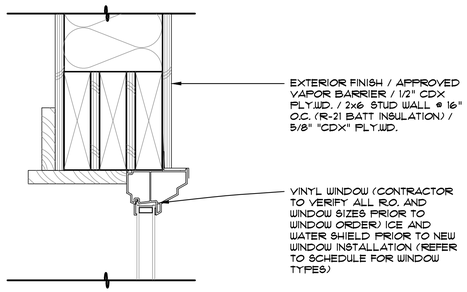
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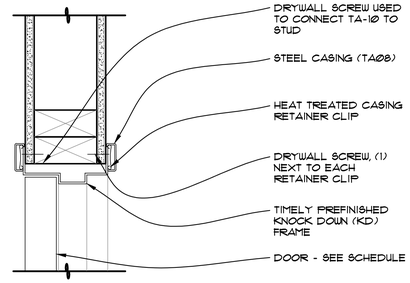
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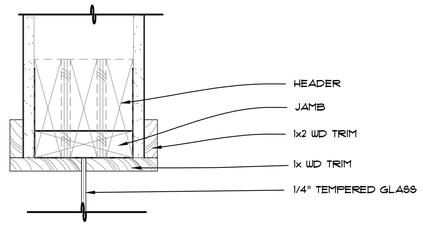
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1 HEAD DETAIL
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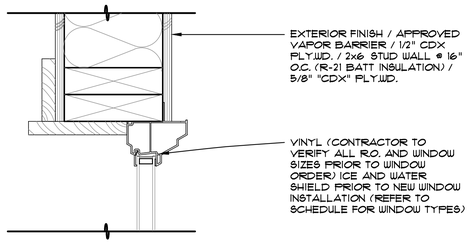


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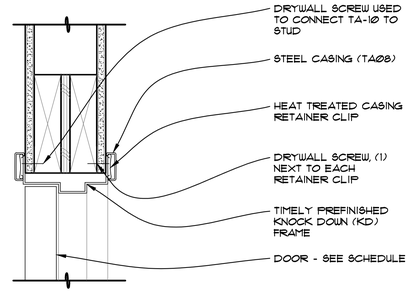


3 HEAD, JAMB DETAIL
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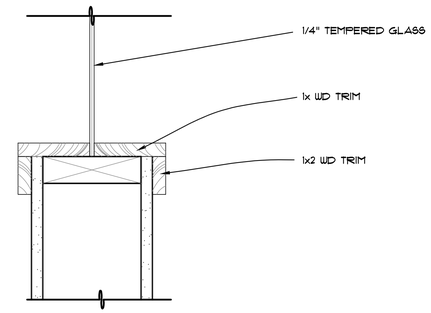
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SCALE: 3" = 1'-0"



5 JAMB DETAIL
SCALE: 3" = 1'-0"

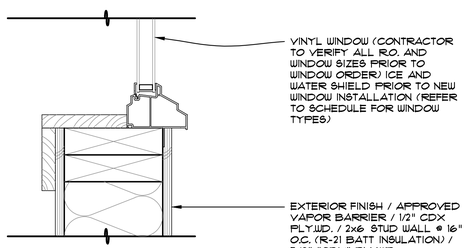


6 JAMB DETAIL
SCALE: 3" = 1'-0"



7 SILL DETAIL
SCALE: 3" = 1'-0"

8 NOT USED
SCALE: 3" = 1'-0"



9 SILL DETAIL
SCALE: 3" = 1'-0"

10 NOT USED
SCALE: 3" = 1'-0"

11 NOT USED
SCALE: 3" = 1'-0"

12 NOT USED
SCALE: 3" = 1'-0"

13 NOT USED
SCALE: 3" = 1'-0"

14 NOT USED
SCALE: 3" = 1'-0"

15 NOT USED
SCALE: 3/4" = 1'-0"

16 NOT USED
SCALE: 3/4" = 1'-0"

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON
5173
STATE OF OREGON

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RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

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97455

DOOR & WINDOW
TITLE: DETAILS

JOB#: 1513.02172023

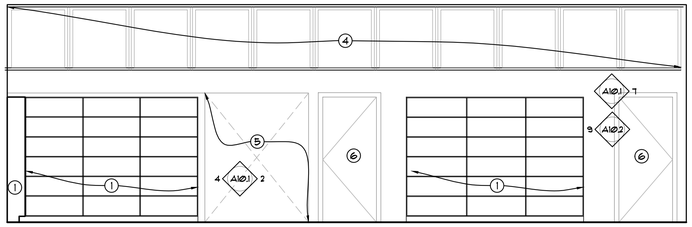
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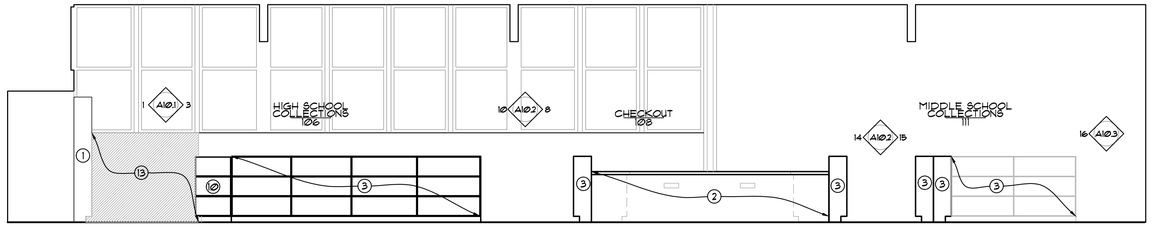
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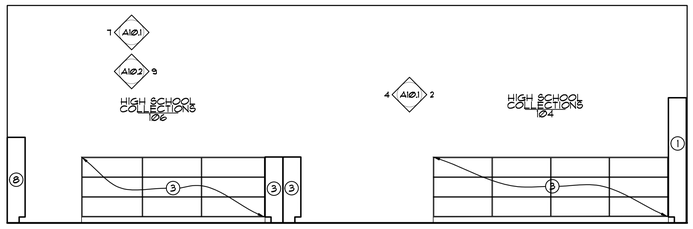


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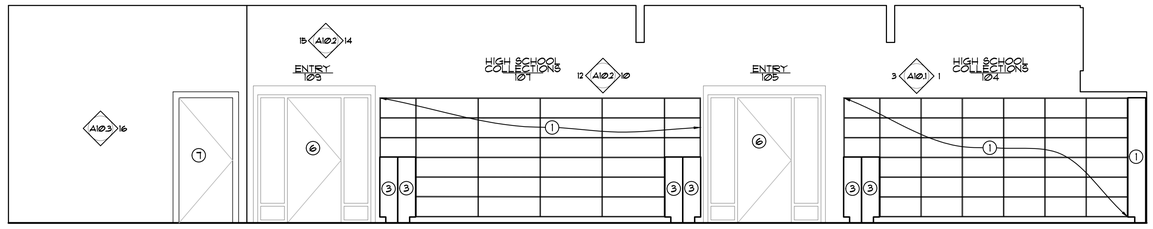


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HIGH SCHOOL COLLECTIONS (104)

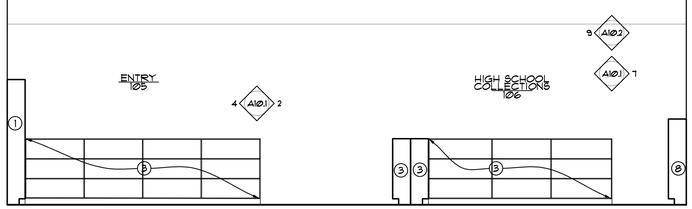


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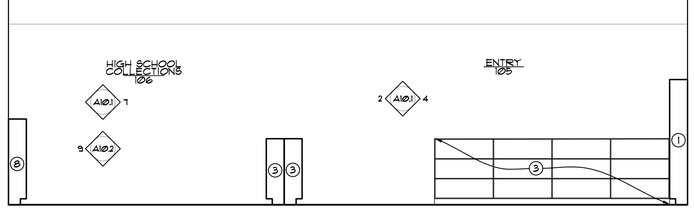


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HIGH SCHOOL COLLECTIONS (104 cont.)

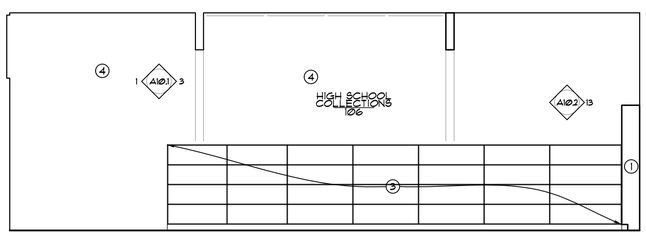


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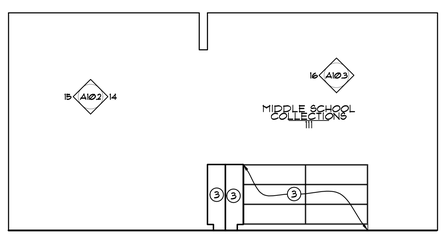


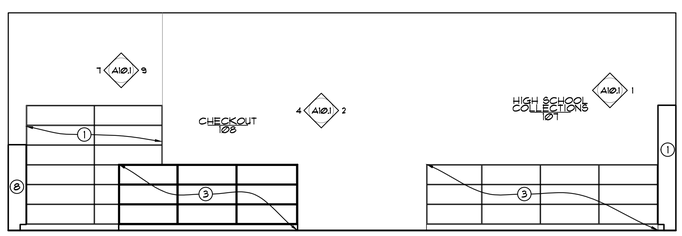
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HIGH SCHOOL COLLECTIONS (105)



7





8

HIGH SCHOOL COLLECTIONS (106)

KEY NOTE ⊙

1. CASE WORK (7'-0" HIGH BOOK SHELVES)
2. CASE WORK (ADA COMPLIANT LIBRARY DESK) AS SELECTED SINK
3. CASE WORK (3'-8 1/4" HIGH BOOK SHELVES)
4. EXISTING WINDOWS (N.I.C.)
5. OPEN TO BEYOND
6. EXISTING DOOR (N.I.C.)
7. 3070 DOOR (NEW)
8. CASE WORK (4'-9 1/2" HIGH BOOK SHELVES)
9. MATCH EXISTING WINDOW HEIGHT
10. CORNER CASE WORK (3'-8 1/4" HIGH BOOK SHELVES)

REGISTERED ARCHITECT
RODD E. HANSEN
EUGENE, OREGON
5173
STATE OF OREGON

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RODD HANSEN ARCHITECT, LLC
ARCHITECTURE + PLANNING
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-Mail: rodd@rhearchitectural.com

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INTERIOR
TITLE: ELEVATIONS

JOB#: 1513.02172023

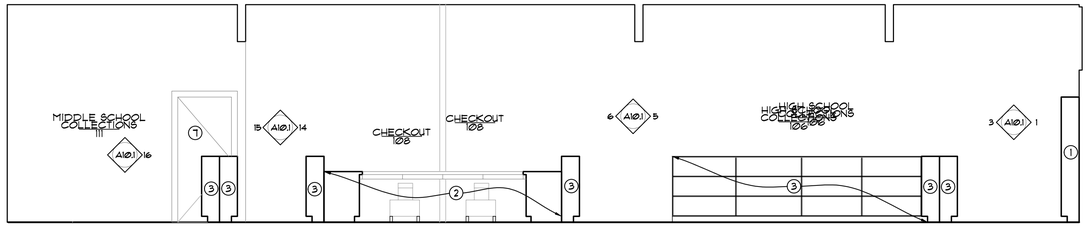
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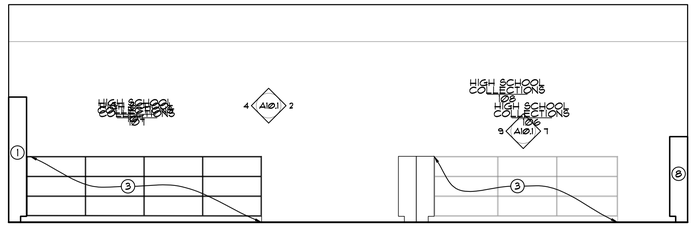
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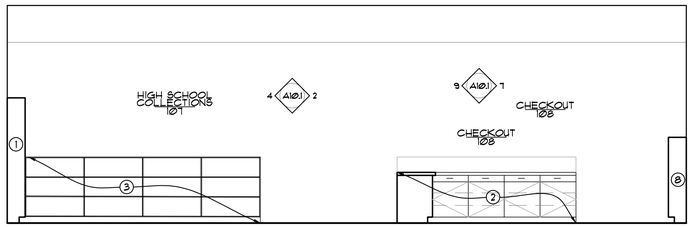
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HIGH SCHOOL COLLECTIONS (106 cont.)



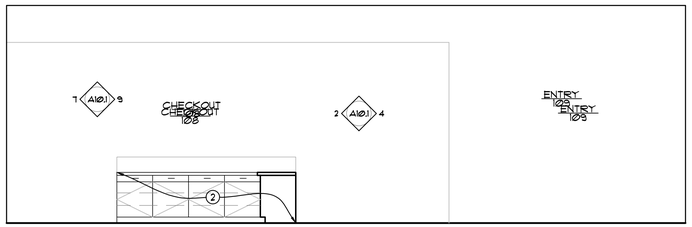
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HIGH SCHOOL COLLECTIONS (107)

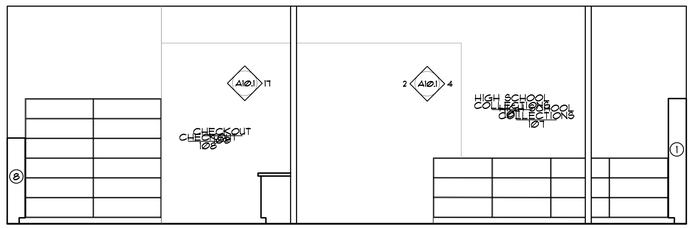


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HIGH SCHOOL COLLECTIONS (108)

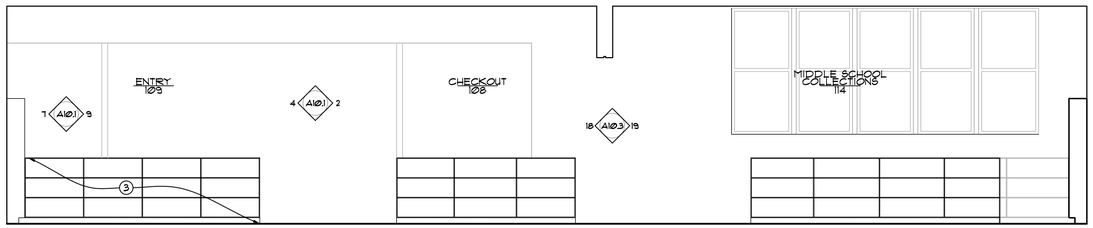


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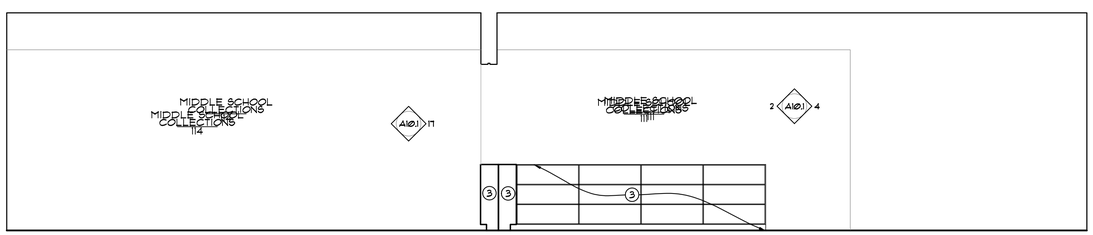
13

HIGH SCHOOL COLLECTIONS (108 cont.)



14

ENTRY (109)



15

ENTRY (109 cont.)

KEY NOTE ⊙

1. CASE WORK (7'-0" HIGH BOOK SHELVES)
2. CASE WORK (ADA COMPLIANT LIBRARY DESK) AS SELECTED SINK
3. CASE WORK (3'-8 1/4" HIGH BOOK SHELVES)
4. EXISTING GLAZING (N.I.C.)
5. OPEN TO BEYOND
6. EXISTING DOOR (N.I.C.)
7. 3Ø'Ø DOOR (NEW)
8. CASE WORK (4'-9 1/2" HIGH BOOK SHELVES)
9. MATCH EXISTING GLAZING HEIGHT

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RODD E. HANSEN
EUGENE, OREGON
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RODD HANSEN ARCHITECT, L.L.C.
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

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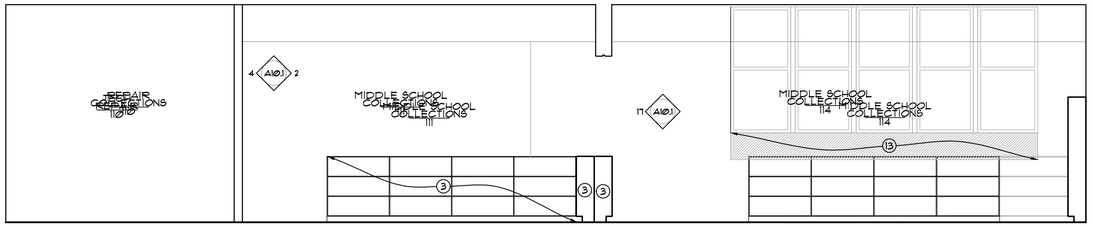
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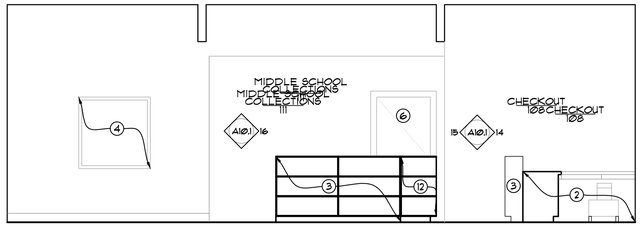
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A10.2

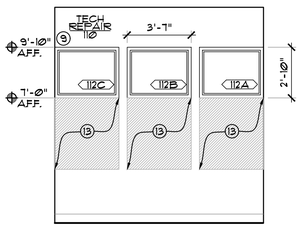


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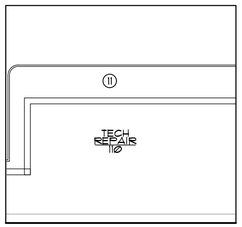


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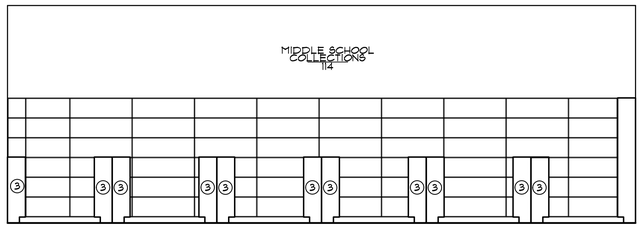
MIDDLE SCHOOL COLLECTIONS 114



18



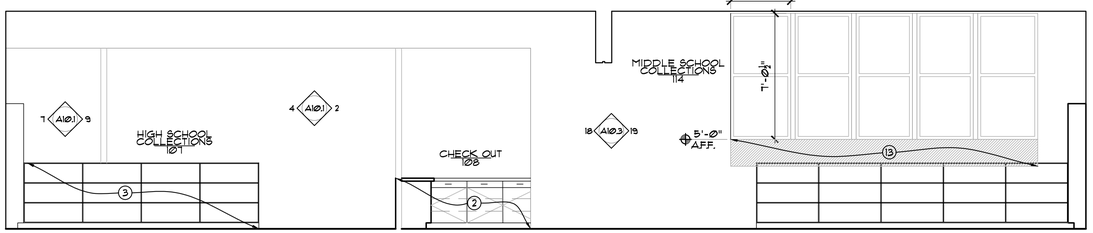
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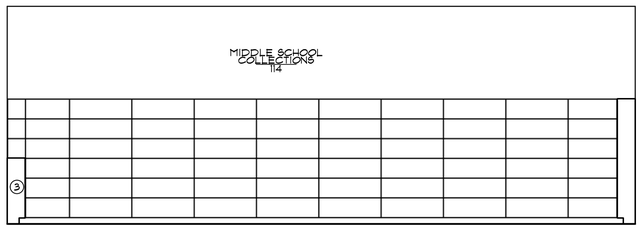
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TECH REPAIR 110

MIDDLE SCHOOL COLLECTION 114

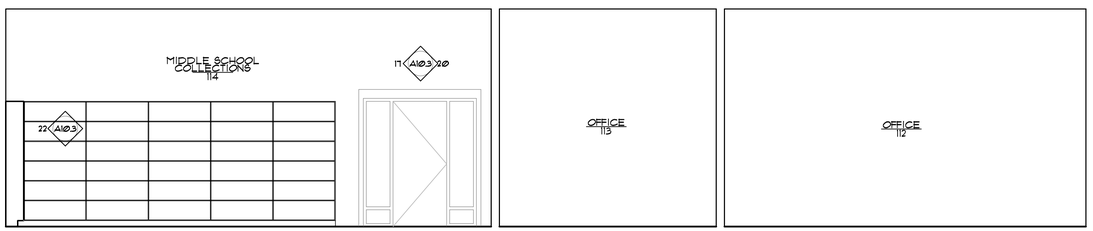


21



22

MIDDLE SCHOOL COLLECTION 114 (cont.)



23

MIDDLE SCHOOL COLLECTION 114 (cont.)

KEY NOTE ⊙

1. CASE WORK (7'-Ø" HIGH BOOK SHELVES)
2. CASE WORK (ADA COMPLIANT LIBRARY DESK) AS SELECTED SINK
3. CASE WORK (3'-8 1/4" HIGH BOOK SHELVES)
4. EXISTING GLAZING (N.I.C.)
5. OPEN TO BEYOND
6. EXISTING DOOR (N.I.C.)
7. 3Ø7Ø DOOR (NEW)
8. CASE WORK (4'-9 1/2" HIGH BOOK SHELVES)
9. MATCH EXISTING GLAZING HEIGHT
10. 21Ø31 WINDOW, CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS
11. REFER TO ELECTRICAL DRAWINGS FOR REMOVAL AND RE-INSTALATION OF EXISTING ELECTRICAL CONDUIT, FIXTURES AND OUTLETS (CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS
12. CORNER CASE WORK (3'-8 1/4" HIGH BOOK SHELVES)
13. SHADED AREA INDICATES AREA OF WALL TO BE IN-FILLED

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RODD E. HANSEN
EUGENE, OREGON
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1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

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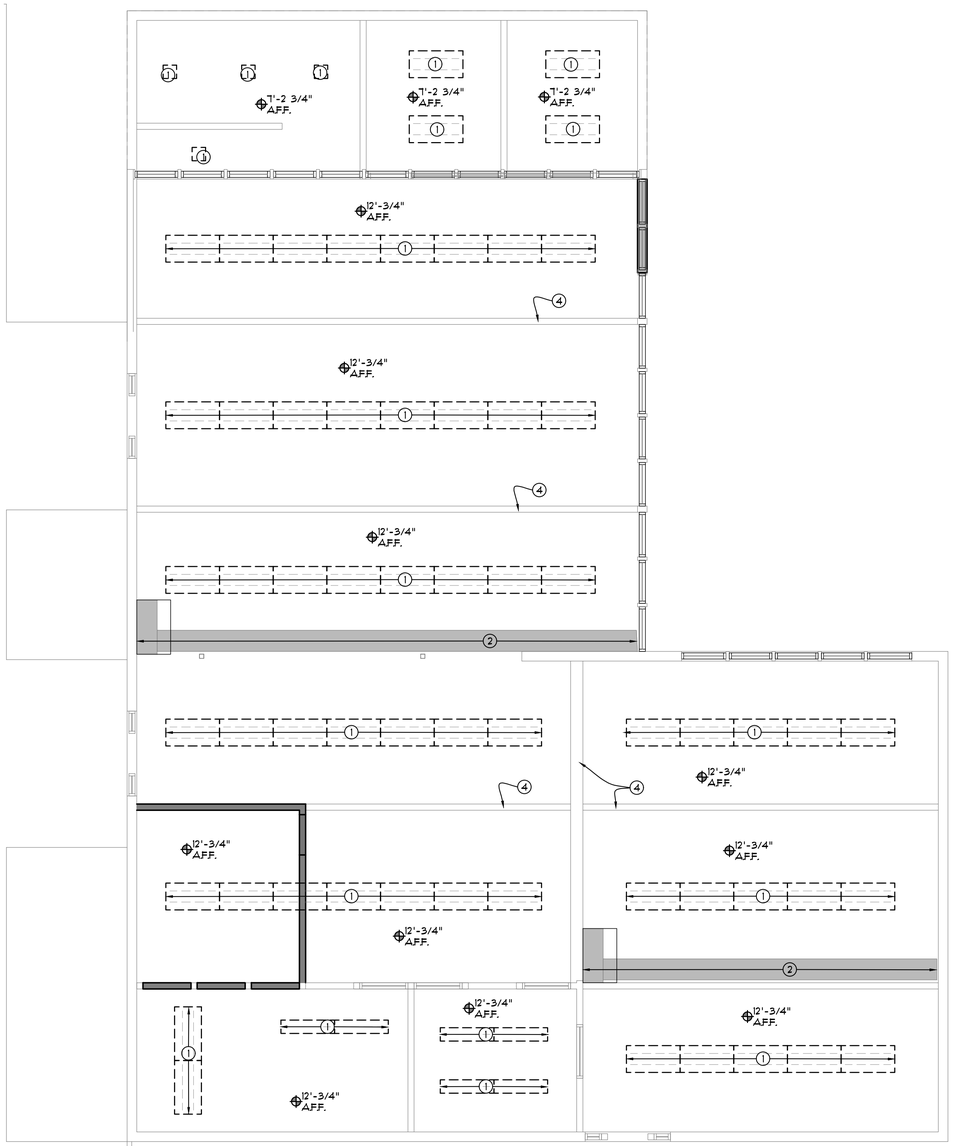
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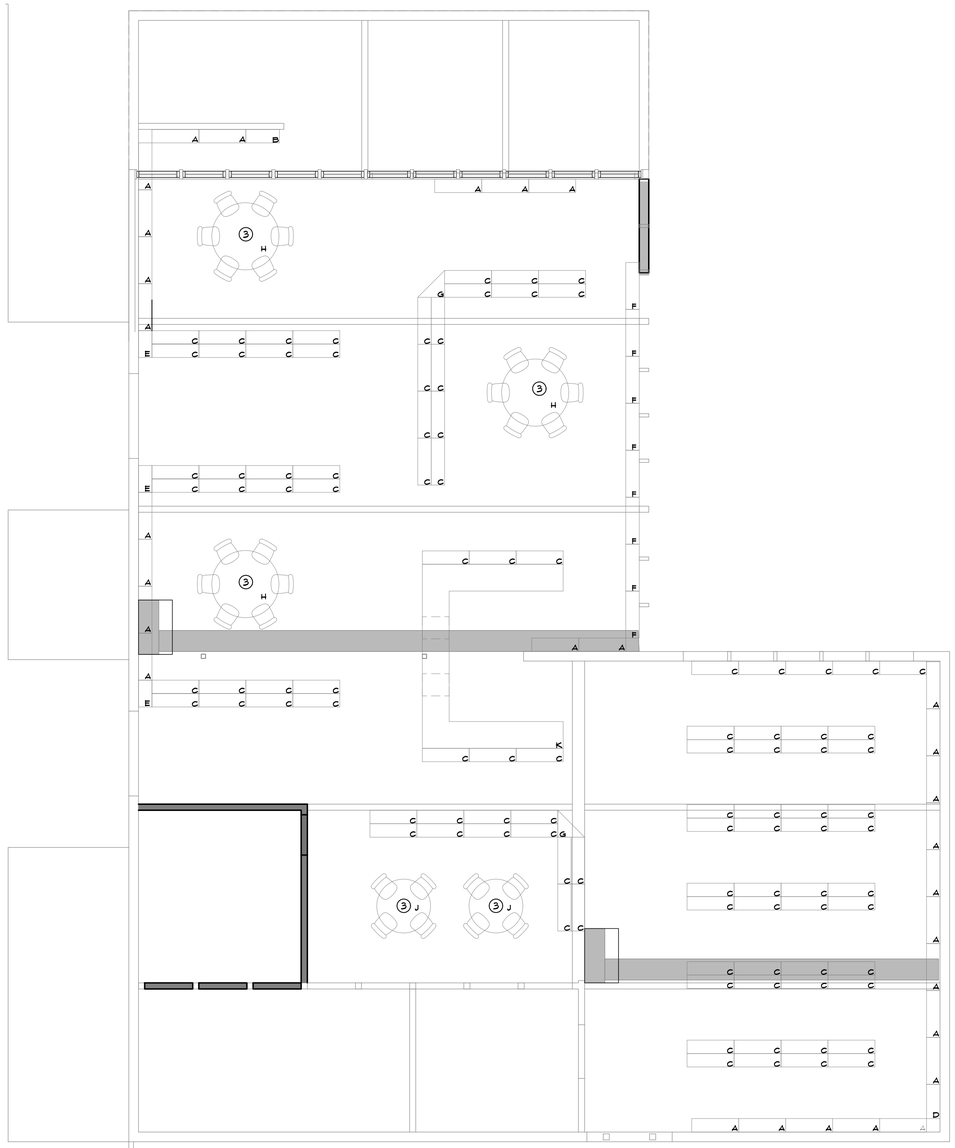
ISSUE DATE: Ø3-31-2025

SCALE: 1/4"=1'-Ø"

A10.3



1 FIRST FLOOR REFLECTED CEILING DEMO PLAN
SCALE: 3/16" = 1'-0"



2 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

KEY NOTES: ⊙

1. CEILING FIXTURES TO BE REMOVED
2. EXISTING MECHANICAL
3. NEW POWER DROPS
4. EXISTING CEILING BEAMS

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RODD E. HANSEN
EUGENE, OREGON
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RODD HANSEN ARCHITECT, LLC
ARCHITECTURE
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@rharchitectural.com

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FIRST FLOOR REFLECTED
TITLE: CEILING PLAN

JOB#: 1513.02172023

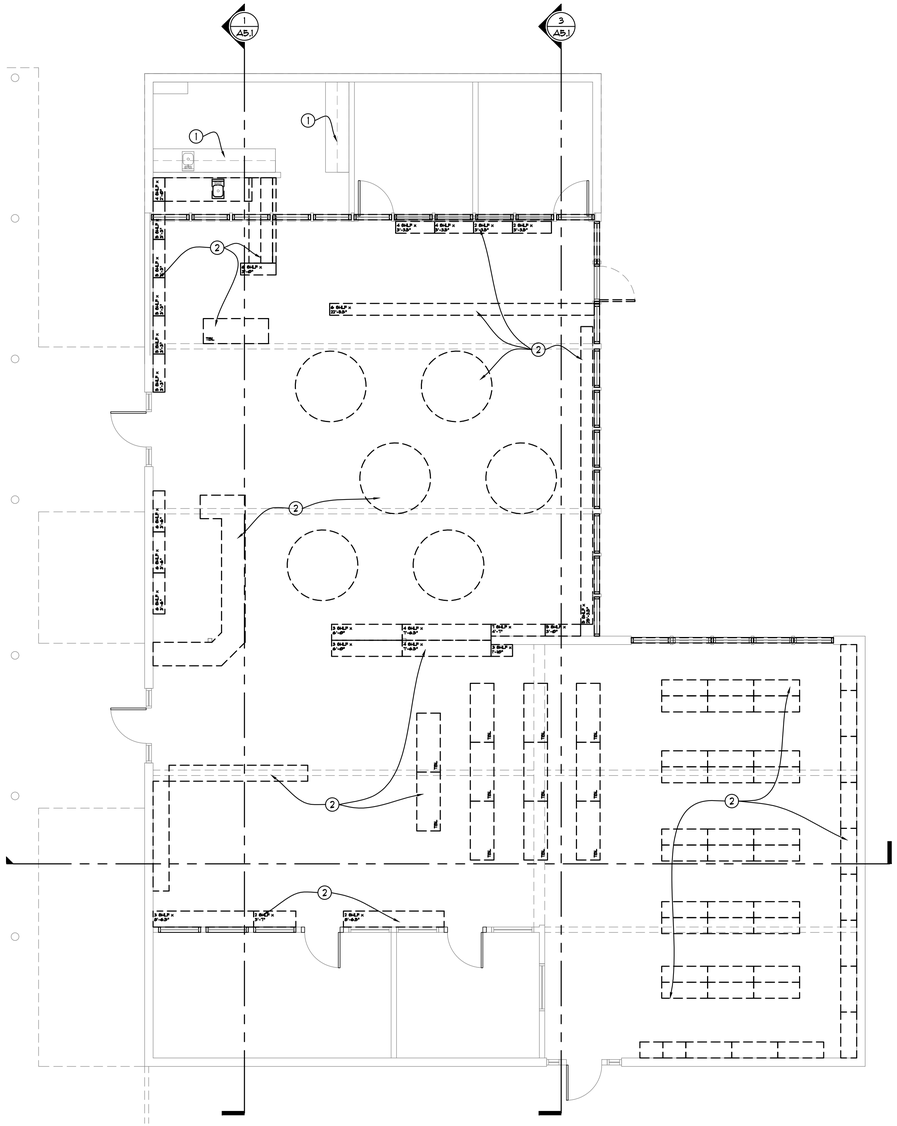
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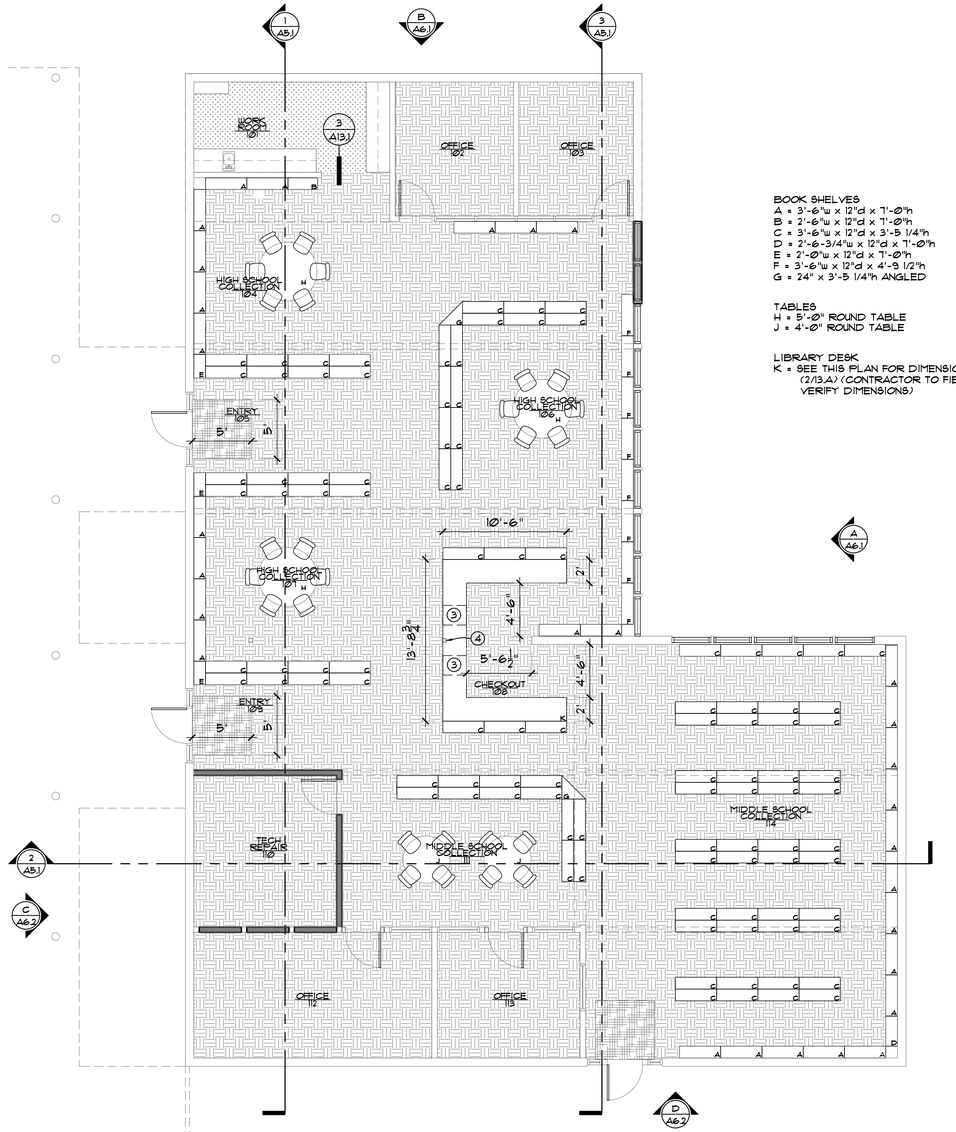
SCALE: 3/16"=1'-0"

A12.1



1 FIRST FLOOR FURNITURE DEMO PLAN

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

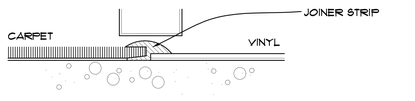


2 FIRST FLOOR FURNITURE AND FINISH PLAN

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

KEY NOTES: ⊛

1. FURNITURE TO REMAIN
2. DASHED LINES INDICATES FURNITURE TO BE REMOVED (typ.)
3. BOOK RETURN
4. DESK TO BE DESIGNED AROUND EXISTING COLUMN



3 CARPET TO VINYL TRANSITION DETAIL

SCALE: 6" = 1'-0"

LEGEND

- 2x6 WOOD FRAMED WALL
- EXISTING WALL
- 2x4 WOOD FRAMED WALL

- WALK OFF CARPET SQUARES
- CARPET SQUARES
- VINYL

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RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-mail: rodd@hansenarchitectural.com

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ISSUE DATE: 03-31-2025

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

A13.1

OUTDOOR AIR VENTILATION SCHEDULE

UNIT	VENTILATION ZONE (ROOM NO.)	OCCUPANCY CLASSIFICATION FROM TABLE 403.3.1.1	PEOPLE OUTDOOR AIR RATE	AREA OUTDOOR AIR RATE	ZONE POPULATION PER TABLE 403.3.1.1 [1]	ZONE FLOOR AREA	BREATHING ZONE OUTDOOR AIRFLOW	COOLING		HEATING		UNCORRECTED OUTDOOR AIR	PRIMARY ZONE CFM	PRIMARY OSA FRACTION	SYSTEM VENTILATION EFFICIENCY (Vou/Ev)	TOTAL OSA REQ'D (Vou/Ev)	DESIGN OSA	MINIMUM REQUIRED NATURAL VENTILATION (SQ. FT. FREE AREA) Per OSSC Sec. 1202.5	ACTUAL NATURAL VENTILATION (Sq. Ft. free area provided)
			Rp	Ra	Pz	Az	Vbz	Ez	Voz	Ez	Voz	Vou	Vpz	Zp	Ev	Vot			
			cfm/per person	cfm/ft2	People	ft2	cfm		cfm		cfm	cfm		Vou/Vpz	(Table 403.3.1.1.2.3.2)	cfm	cfm	cfm	cfm
RTU-19	Workroom 101, High School Collection 104, 106, 107, Checkout 108	*Media center*	10	0.12	18	1,430	352	1	352	0.8	440	440	2,000	0.22	0.9	488	500		
	Office 102	*Office spaces*	5	0.06	2	115	17	1	17	0.8	21	21	100	0.21	0.9	23	25		
	Office 102	*Office spaces*	5	0.06	2	110	17	1	17	0.8	21	21	100	0.21	0.9	23	25		
	Entry 105	*Main Entry lobbies*	5	0.06	2	253	…	…	…	…	…	…	…	…	…	…	…	10.1	21 [2]
	Entry 109	*Main Entry lobbies*	5	0.06	2	200	…	…	…	…	…	…	…	…	…	…	…	8.0	21 [2]
	TOTAL RTU-19					**2,108**	**385**	**1**	**385**	**0.8**	**481**	**481**	**2,000**	0.24	…	**535**	**550**		
RTU-20	Middle School Collection 111 & 114	*Media center*	10	0.12	15	1,204	294	1	294	0.8	368	368	1,200	0.31	0.8	460	470		
	Office 110	*Office spaces*	5	0.06	2	155	19	1	19	0.8	24	24	120	0.20	0.9	27	30		
	Office 112	*Office spaces*	5	0.06	2	215	23	1	23	0.8	29	29	150	0.19	0.9	32	35		
	Office 113	*Office spaces*	5	0.06	2	129	18	1	18	0.8	22	22	100	0.22	0.9	25	25		
	TOTAL RTU-20					**1,703**	**354**	**1**	**354**	**0.8**	**443**	**443**	**1,570**	**0.28**	**…**	**543**	**560**		
TOTAL OUTSIDE AIR																**1,078**	**1,110**		
TOTAL EXHAUST AIR																			

NOTES:
[1] PER SECTION 403.3 OF THE 2022 OMSC, THE OUTDOOR AIRFLOW RATE MAY BE DETERMINED ON THE BASIS OF AVERAGE VENTILATION OCCUPANCY, PROVIDED THE AVERAGE IS NOT LESS THAN 1/2 OF THE MINIMUM SPECIFIED IN SECTION 403.1
[2] BASED ON OPENABLE DOORS TO SPACE: (1) 3'x7' HINGED DOOR = **21 SQ. FT**

GAS / ELECTRIC ROOFTOP UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	NOMINAL TONS	LOCATION	AREA SERVED	TOTAL NET COOLING CAPACITY (BTUH)	EER2/SEER2	GAS INPUT (BTUH)	HTG. OUTPUT (BTUH)	AFUE	VOLT/PH.	MCA/FUSE	DESIGN CFM	OSA CFM	OPER. WEIGHT (LBS.)	NOTES
RTU-20	TEMPMASTER	KE048JO7B4	4	ROOF	MIDDLE SCHOOL COLLECTION AREAS / TECH OFFICES	53,400	11.2 /13.7	75,000	60,000	0.80	480/3	10.7 / 15	1,590	300	714	[1] [2] [3] [4] [5]

NOTES:
[1] VERIFY VOLTAGE AND PHASE BEFORE ORDERING EQUIPMENT.
[2] OPER. WT. INCLUDES FACTORY ACCESSORIES - DOES NOT INCLUDE EXISTING FRAMED PERIMETER MOUNTING CURB.
[3] FACTORY ACCESSORIES PROVIDED: SINGLE STAGE GAS STAINLESS STEEL HEATING SECTION, DRY BULB ECONOMIZER AND HOOD, REFRIGERANT DETECTION SYSTEM SENSOR, SMART EQUIPMENT CONTROLLER (NACnet MS/TP, MODBUS AND N2 COMMUNICATION CARD), 2" PLEATED FILTERS (MERV 8)
[4] REFRIGERANT TYPE: R454B
[5] NO SUBSTITUTIONS ALLOWED - REFER TO INSTALLTION NOTES & DETAIL 1, SHEET M301 AND SPECIFICATION SECTION 23 74 16.

AIR DISTRIBUTION DEVICE SCHEDULE

TYPE	TAG	MANUFACTURER	MODEL	DESCRIPTION	NOTES
SIDEWALL SUPPLY REGISTER	SWR	PRICE IND. (OR EQUIVALENT)	520-L	STEEL SUPPLY GRILLE W/ INDIVIDUALLY ADJUSTABLE BLADES	[1] [2] [3]
SIDEWALL TRANSFER GRILLE	STG	PRICE IND. (OR EQUIVALENT)	530-L	STEEL FIXED BAR RETURN GRILLE	[2] [4] [5]

NOTES:
[1] PANEL SIZE , AIRFLOW QUANTITY, & AIRFLOW PATTERN AS INDICATED ON PLANS.
[2] WALL MOUNTING TO BE COMPATIBLE WITH WALL TYPE - VERIFY TYPE WITH ARCHITECTURAL DRAWINGS.
[3] ADJUSTABLE BLADES, 3/4" BLADE SPACING - FRONT BLADES PARALLEL TO HORIZONTAL DIMENSION.
[4] 45 DEGREE FIXED BLADES, 3/4" BLADE SPACING - BLADES PARALLEL TO HORIZONTAL DIMENSION.
[5] PANEL SIZE AS INDICATED ON PLANS.

GENERAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 OSSC, 2022 OMSC, 2021 OEESC, CITY & COUNTY CODES, AND OTHER APPLICABLE CODES AND REGULATIONS.
2. COORDINATE ENTIRE INSTALLATION OF THE H.V.A.C. SYSTEM WITH THE WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
3. PLATFORMS, CURBS AND FLASHINGS FOR MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE PLANS, UNLESS NOTED OTHERWISE.
4. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
5. CONSTRUCT, ERECT AND TEST DUCTWORK IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, 2022 OMSC, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. A COPY OF THE SMACNA STANDARDS SHALL BE KEPT AT THE JOB FOR REFERENCE BY THOSE REVIEWING THE WORK.
6. DUCT SIZES ARE NET INSIDE CLEAR DIMENSIONS (I.E. NOT INCLUDING LINER). DUCT JOINTS SHALL BE SEALED AIR TIGHT. PROVIDE STRAP, TRAPEZE, OR ROD HANGERS.
7. DUCT INSULATION AND LININGS, INCLUDING ADHESIVES WHEN USED, SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723..
8. DUCTWORK INSULATION SHALL HAVE THERMAL CONDUCTANCE OF 0.24 BTU PER SQ. IN./SQ. FT. PER DEG. F. PER HOUR AT A MEAN TEMPERATURE OF 75 DEG. F. AT 1-1/2 LB./CU. FT. DENSITY. LINER SHALL BE TREATED WITH A FIRE DAMAGE AND MILDEW RESISTANT SURFACE. FIBERGLASS DUCT WRAP BLANKET SHALL HAVE A THERMAL CONDUCTANCE OF 0.27 BTU PER IN./ SQ. FT. /DEG. F. PER HOUR AT A MEAN TEMPERATURE OF 75 DEG. F., AT 0.75 LB./CU. FT. DENSITY, WITH FSK FOIL REINFORCED FIRE-RESISTANT FACING AND A VAPOR BARRIER RATING OF 0.5 PERM.
9. LOCATIONS SHOWN ON PLANS FOR THERMOSTATS, SENSORS, AND SWITCHES CONTROLLING HVAC EQUIPMENT ARE SUGGESTED AND ARE TO BE VERIFIED AND COORDINATED WITH ARCHITECTURAL DRAWINGS AND ELECTRICAL DEVICE LAYOUTS.

LEGEND

MARK	DESCRIPTION	MARK	DESCRIPTION
UP / DN.	SUPPLY DUCTS		SUPPLY DIFFUSER
UP / DN.	RETURN DUCTS		RETURN GRILLE
UP / DN.	EXHAUST DUCTS		EXHAUST GRILLE
SA	SUPPLY AIR	T	THERMOSTAT
RA	RETURN AIR	S	SENSOR
EA	EXHAUST AIR	BDD	BACKDRAFT DAMPER
OSA	OUTSIDE AIR	CSD	CEILING SUPPLY DIFFUSER
CFM	CUBIC FEET PER MIN.	SWR	SIDEWALL SUPPLY REGISTER
CEF	CEILING EXHAUST FAN	SRG	SIDEWALL RETURN GRILLE
WEF	WALL EXHAUST FAN	SEG	SIDEWALL EXHAUST GRILLE
RTU	ROOF TOP UNIT	RGC	RETURN GRILLE CEILING
O.C.	ON CENTER	EGC	EXHAUST GRILLE CEILING
SQ./FT.	SQUARE FOOT	EGC	EXHAUST GRILLE CEILING
CU./FT.	CUBIC FOOT	STG	SIDEWALL TRANSFER GRILLE
LBS.	POUNDS	CTG	CEILING TRANSFER GRILLE
ø	DIAMETER	GI	GRAVITY INTAKE
MVD	MANUAL VOL. DAMPER	//////	EXISTING ITEM TO BE REMOVED
G.C.	GENERAL CONTRACTOR	(E)	EXISTING
TYP.	TYPICAL	(N)	NEW

SHEET INDEX

M001	HVAC LEGEND, NOTES & SCHEDULES
M002	MECHANICAL CODE COMPLIANCE NOTES
M101D	HVAC DEMOLITION FLOOR PLAN
M101	HVAC REMODEL FLOOR PLAN
M201D	HVAC DEMOLITION ROOF PLAN
M201	HVAC REMODEL ROOF PLAN
M301	HVAC DETAILS

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
brian@integengineering.com
Cell: (714) 501-6723

REGISTERED PROFESSIONAL ENGINEER #81286PE Brian E. Jacoby OREGON MARCH 10, 2006 BRIAN E. JACOBY
RENEWS: 7/01/2025
03/31/2025

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SHEET TITLE:
HVAC LEGEND, NOTES & SCHEDULES

ISSSUE / REVISIONS:
DESCRP. DATE

ISSUE DATE: 3/31/2025

M001

HVAC GENERAL

1. CODES:

OSSC	2022 - OREGON STRUCTURAL SPECIALTY CODE
ASCR/SEI	AMERICAN SOCIETY OF CIVIL ENGINEERING / STRUCTURAL ENGINEERING INSTITUTE
OMSC	2022 - OREGON MECHANICAL SPECIALTY CODE
OPSC	2023 - OREGON PLUMBING SPECIALTY CODE
OEESC	2021 - OREGON ENERGY EFFICIENCY SPECIALTY CODE
ASHRAE	2022 - STANDARD 90.1

2. STANDARDS OF ORGANIZATIONS:

AABC	ASSOCIATED AIR BALANCE COUNCIL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
MSS	MANUFACTURERS STANDARDIZATION SOCIETY
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIOSH	NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
UL	UNDERWRITERS LABORATORIES

3. DESIGN CONDITIONS

3.1. LOCATION: PLEASANT HILL, OREGON

3.2. DESIGN HEATING:
OUTDOOR db 32° F. INDOOR db 68° F (OSSC 1203.1, OMSC 309.1).

DESIGN COOLING:
OUTDOOR db 69° F, wb 60° F. INDOOR db 73° F.

3.3. HEATING AND COOLING LOADS CALCULATED USING AN ASHRAE-METHODS BASED HVAC LOADS CALCULATION PROGRAM. PROCEDURES COMPLIANT WITH ASHRAE / ACCA STANDARD 183 OR THE ASHRAE HANDBOOK OF FUNDAMENTALS (ASHRAE STD. 90.1 - 2022 6.4.2.1, OMSC 310.1).

VENTILATION

1. MINIMUM OUTDOOR AIRFLOW RATES DETERMINED IN ACCORDANCE WITH OMSC 403.3.1 & 403.2. SYSTEMS ARE DESIGNED TO DELIVER THE REQUIRED RATE OF OUTDOOR AIRFLOW TO THE BREATHING ZONE WITHIN EACH OCCUPIABLE SPACE. REFER TO THE VENTILATION AIR COMPLIANCE SCHEDULE INCLUDED ON THE DRAWINGS FOR SPECIFIC CRITERIA, PROCEDURES, AND VENTILATION RATES.

2. COMBINED AIR CONDITIONING / VENTILATION SYSTEMS WILL BE CONTROLLED TO OPERATE DURING OCCUPIED PERIODS FOR THE SPACES SERVED (OMSC 405.1).

3. REQUIRED VENTILATION MAY BE PROVIDED THROUGH MECHANICAL OR NATURAL PATHWAYS. AREAS WITH OUTDOOR OPENINGS USED FOR NATURAL VENTILATION SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA SERVED (OSSC 1202.5.1, OMSC 402.1 & 402.2).
REFER TO OUTSIDE AIR VENTILATION SCHEDULE FOR SPACE SPECIFIC COMPLIANCE APPROACH.

1. OPENINGS TO THE OUTDOORS UTILIZED FOR NATURAL VENTILATION INCLUDE: DOORS AND OPERABLE WINDOWS. OPERATIONAL CONTROLS AND/OR MECHANISMS FOR THESE OPENINGS ARE PROVIDED WITH READY ACCESS TO BUILDING OCCUPANTS (OSSC 1202.5, OMSC 402.1).

SEISMIC CONTROL

1. NEW DUCTWORK AND EQUIPMENT TO BE SUPPORTED AND BRACED IN ACCORDANCE WITH OMSC 301.15, OSSC CHAPTER 16 AND ASCE/SEI CHAPTER 7.

2. INSTALLED DUCTWORK ON THIS PROJECT HAS LESS THAN 6 SQ. FT. CROSS-SECTIONAL AREA (UNLESS INDICATED OTHERWISE).

3. INDIVIDUAL DUCT DISTRIBUTION SYSTEM COMPONENTS WEIGHT LESS THAN 75 LBS. AND THE DISTRIBUTION SYSTEM WEIGHS 5 LBS./FT. OR LESS (UNLESS INDICATED OTHERWISE).

4. INDIVIDUAL EQUIPMENT OPERATION WEIGHT IS LESS THAN 400 LBS. AND THE EQUIPMENT IS MOUNTED LESS THAN 4 FEET ABOVE THE ROOF (UNLESS INDICATED OTHERWISE).

INSULATION

1. INSULATION MATERIALS MEET REQUIREMENTS OF NFPA 255 AND UL 723 NOT EXCEEDING 25 FLAME SPREAD RATING OR 50 SMOKE DEVELOPED RATING.

2. INSULATION EXPOSED TO WEATHER SHALL BE SUITABLE FOR OUTDOOR SERVICE, e.g., PROTECTED BY ALUMINUM, SHEET METAL, PAINTED CANVAS, OR PLASTIC COVER. CELLULAR FOAM INSULATION SHALL BE PROTECTED AS ABOVE OR PAINTED WITH A COATING THAT IS WATER RETARDANT AND PROVIDES SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL. (ASHRAE STD. 90.1 - 2022 6.4.4.1.1.a.).

3. INSULATION COVERING CHILLED-WATER PIPING, REFRIGERANT SUCTION PIPING, OR COOLING DUCTS LOCATED OUTSIDE THE CONDITIONED SPACE SHALL INCLUDE A VAPOR RETARDANT LOCATED OUTSIDE THE INSULATION (UNLESS THE INSULATION IS INHERENTLY VAPOR RETARDANT), PENETRATION AND JOINTS OF WHICH SHALL BE SEALED. (ASHRAE STD. 90.1 - 2022 6.4.4.1.1.b.).

4. DUCT AND PLENUM INSULATION: SUPPLY AND RETURN DUCTS AND PLENUMS INSTALLED AS PART OF AN HVAC AIR DISTRIBUTION SYSTEM SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLE 6.8.2. (ASHRAE STD. 90.1 - 2022 6.4.4.1.2.).

5. PIPING INSULATION: PIPING SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLES 6.8.3-1 AND 6.8.3-2. (ASHRAE STD. 90.1 - 2022 6.4.4.1.3.).

CONTROL FOR HVAC

1. HVAC SYSTEM CONTROL WILL BE PROVIDED THROUGH USE OF DISTRIBUTED INDIVIDUALLY PROGRAMMABLE THERMOSTATS. CAPABILITIES INCLUDE 7-DAY PROGRAMMING WITH UP TO 4 SET-POINT CHANGES PER DAY (OCCUPIED AND UNOCCUPIED HOURS), (3) HEATING AND (2) COOLING STAGES, AUTO CHANGE-OVER HEATING/COOLING, LOCAL SET-POINT ADJUSTMENT LIMITING, AND BATTERY BACKUP. MANUAL OVERRIDE FEATURE ALLOWS UP TO 2-HOURS OF OCCUPANT INITIATED OCCUPIED OPERATION (ADJUSTABLE). (ASHRAE STD. 90.1 - 2022 6.4.3).

2. LINE VOLTAGE ELECTRICAL BY OTHERS.

3. NEW HVAC SYSTEMS INCLUDE ONE TEMPERATURE CONTROL DEVICE PER ZONE RESPONDING TO TEMPERATURES WITHIN THE ZONE. (ASHRAE STD. 90.1 - 2022 6.4.3.1.1).

4. ZONE THERMOSTATS CAPABLE OF DEAD-BAND, OFF-HOUR, AND AUTOMATIC SET-BACK TEMPERATURE CONTROL. (ASHRAE STD. 90.1 - 2022 6.4.3.1.2, 6.4.3.3, 6.4.3.3.1).

5. DEAD-BAND: 5° F. (BETWEEN DUAL SET-POINTS FOR HEATING/COOLING). (ASHRAE STD. 90.1 - 2022 6.4.3.1.2).

6. OFF-HOUR SET-BACK: 55° F. HEATING, 85° F. COOLING. (ASHRAE STD. 90 .- 2022 6.4.3.3).

4. HVAC SYSTEM CONTROLS CAPABLE OF VARYING START TIME OF SYSTEM TO JUST MEET TEMPERATURE SET POINT AT TIME OF OCCUPANCY. (ASHRAE STD. 90.1 - 2022 6.4.3.3.3).

5. DUCT MOUNTED OUTDOOR AIR, EXHAUST, AND RELIEF SHUT-OFF DAMPERS PROVIDED FOR AIR VOLUMES GREATER THAN 300 CFM. DAMPERS TO BE CLASS I, MOTORIZED, WITH LEAKAGE RATE OF NOT MORE THAN 10 CFM PER SQ. FT. AT 1.0" W.C. TESTED PER AMCA 500D, (ASHRAE STD. 90.1 - 2022 6.4.3.4.2, 6.4.3.4.3).

EXCEPTIONS:

1. TYPE 1 GREASE EXHAUST SYSTEMS

PIPING GENERAL

1. PROVIDE MECHANICAL PIPING SUPPORTS WILL BE PROVIDED AT INTERVALS EQUAL TO OR LESS THAN THE SPACING LISTED IN THE PIPING SUPPORT TABLE BELOW, ACCORDING TO THE MATERIAL (OMSC 305.4, MSS SP-60).

2. PROVIDE FUEL GAS PIPING SUPPORTS AT INTERVALS EQUAL TO OR LESS THAN THE SPACING LISTED IN THE PIPING SUPPORT TABLE BELOW (OMSC C407.2, C415.1). HANGERS AND SUPPORTS CONFORM TO REQUIREMENTS OF MSS SP-58.

3. PROVIDE PIPING SYSTEM SUPPORT TO PREVENT UNDUE STRAIN ON CONNECTED EQUIPMENT. EACH PIPING SYSTEM TO BE SUPPORTED WITH HANGERS SELECTED FOR THE SPECIFIC PIPING SYSTEM (OR GROUP OF PIPING SYSTEMS WHERE TRAPEZE TYPE HANGERS ARE USED). SUPPORT MATERIALS IN DIRECT CONTACT WITH PIPING SELECTED FOR COMPATIBILITY WITH THE PIPING MATERIAL (WILL NOT PROMOTE GALVANIC ACTION). SUPPORTS TO BE ANCHORED TO APPROVED BUILDING STRUCTURAL MEMBERS (OMSC 305.2, 305.3).

PIPING SUPPORT SPACING TABLE (OMSC 305.4, C415.1)

PIPING MATERIAL	SIZE RANGE	MAX. HORIZ. SPACING	MAX. VERT. SPACING	NOTES
COPPER/COPPER ALLOY TUBING	< OR = TO 1-1/4"	6' - 0"	10' - 0"	
COPPER/COPPER ALLOY TUBING	> OR = TO 1-1/2"	10' - 0"	10' - 0"	
PEX TUBING	3/4" TO 1-1/2"	2' - 8"	10' - 0"	W/ MID STORY GUIDE
PVC PIPE	3/4" TO 2"	4' - 0"	10' - 0"	W/ MID STORY GUIDE
STEEL PIPE	1/2"	6' - 0"	6' - 0"	
STEEL PIPE	3/4" OR 1"	8' - 0"	8' - 0"	
STEEL PIPE	1-1/4" OR LARGER	10' - 0"	SEE NOTE	EVERY FLOOR LEVEL

DUCTWORK

1. CONSTRUCTION: DUCTWORK AND FITTINGS TO BE CONSTRUCTED AND SEALED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS AND OMSC CHAPTER 6 REQUIREMENTS.

2. DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS.

3. MATERIALS OF CONSTRUCTION & PRESSURE CLASSIFICATION:

3.1 OUTSIDE AIR DUCTWORK AND PLENUMS - GALVANIZED STEEL
PRESSURE CLASS - 2" W.C. NEG. (MAX 2" W.C. NEG.).

3.2 SUPPLY DUCTWORK PLENUMS - GALVANIZED STEEL
PRESSURE CLASS - 2" W.C. POS. (MAX 2" W.C. POS.).

3.3 SUPPLY DUCTWORK AND PLENUMS BETWEEN SUPPLY FAN AND TERMINAL DEVICE - GALVANIZED STEEL
PRESSURE CLASS - 2" W.C POS. (MAX 2" W.C. POS.).

3.4 SUPPLY DUCTWORK DOWNSTREAM OF TERMINAL DEVICES - GALVANIZED STEEL
PRESSURE CLASS - 1" W.C. POS. (MAX 1" W.C. POS).

3.5 FINAL RUNOUTS TO INLETS / OUTLETS - PRE-FABRICATED INSULATED (R-4.2) FLEXIBLE DUCT (MAX. 6 FT. LENGTH)
PRESSURE CLASS - 6" W.C. POS., 0.5" W.C. NEG.
(MAX 6"/0.5" W.C. POS./NEG.) - CONCEALED SPACES ONLY.

3.6 RETURN DUCTWORK AND PLENUMS - GALVANIZED STEEL
PRESSURE CLASS - 2" W.C. NEG. (MAX. 2" W.C. NEG.).

3.7 EXHAUSTED (ENVIRONMENTAL AIR) - GALVANIZED STEEL
PRESSURE CLASS - 2" W.C. NEG., SUCTION SIDE OF FAN
(MAX. 2" W.C. NEG.).
PRESSURE CLASS - 2" W.C. POS., DISCHARGE SIDE OF FAN
(MAX. 2" W.C. POS.).

4. SITE DELIVERY - DUCTWORK AND FITTINGS: SHOP SEALED BY SHRINK WRAP CAPPING OPEN ENDS.

5. MATERIALS WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. (OMSC 602.2.1).

5. RUBBERIZED CANVAS FLEXIBLE DUCT CONNECTIONS PROVIDED AT CONNECTIONS TO ROTATING EQUIPMENT NOT INTERNALLY VIBRATION ISOLATED.

6. AIR SYSTEM BALANCING: EACH SUPPLY AIR OUTLET/INLET (AS APPLICABLE) SHALL BE EQUIPPED WITH MEANS FOR AIR BALANCING IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 6 OF THE MECHANICAL CODE (OMSC 603.18) AND ASHRAE STD. 90.1 - 2022 6.7.3.3.2.

HVAC EQUIPMENT

1. EQUIPMENT INSTALLATION WILL CONFORM TO THE MORE RESTRICTIVE OF: THE CONDITIONS AND REQUIREMENTS ASSOCIATED WITH APPROVAL AND LISTING FOR THE EQUIPMENT, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND THE OMSC (OMSC 304.1, 304.2 - EXCEPTION).

2. NEW HVAC EQUIPMENT SELECTION FOR HEATING AND / OR COOLING CAPACITY MADE IN CONFORMANCE WITH ASHRAE STD. 90.1 - 2022 6.4.2.1. NEW HVAC PERFORMANCE REQUIREMENTS IN ACCORDANCE WITH ASHRAE STD. 90.1 - 2022 6.4.1.1. REFER TO EQUIPMENT SCHEDULES ON THE DRAWINGS FOR SPECIFIC PERFORMANCE ASSOCIATED WITH EACH UNIT.

TESTING, ADJUSTING AND BALANCING

1. NEW OR REMODELED HVAC SYSTEMS SHOWN ON THE DRAWINGS (SUPPLY,RETURN, RELIEF, EXHAUST, AND OUTSIDE AIR SYSTEMS) ARE TO BE TESTED AND BALANCED (TAB) BY AN INDEPENDENT TESTING AND BALANCING AGENCY. AGENCY TO HAVE CURRENT NEBB CERTIFICATION OR AABC CERTIFICATION. TAB TO BE SUPERVISED BY AGENCY'S CURRENTLY NEBB OR AABC CERTIFIED PERSONNEL. TAB AGENCY TO PROVIDE ALL INSTRUMENTS, LABOR AND MATERIALS NEEDED TO FULLY TEST AND BALANCE THE SYSTEMS FOR THE PROJECT INCLUDING SHEAVE ADJUSTMENT / CHANGE OUT.

2. HVAC SYSTEMS SHALL BE IN FULL OPERATION FOR TAB PROCESS, SYSTEMS SHALL BE BALANCED WITHIN +10% / -5% OF DESIGN REQUIREMENTS AND MAINTAINING PRESSURE RELATIONSHIPS AS DESIGNED (PRESSURE RELATIONSHIPS HAVE PRIORITY OVER TOLERANCE LISTED). VERIFY MINIMUM OUTSIDE AIR VOLUMES, AND ECONOMIZER CAPABILITIES. TAB PROCEDURES TO BE IN ACCORDANCE WITH NEBB MANUAL OF PRACTICE OR AABC RECOMMENDATIONS.

3. BEFORE BEGINNING TAB WORK ON SITE, SUBMIT A LIST OF PROCEDURES TO BE FOLLOWED BY TAB PERSONNEL FOR THE SPECIFIC TAB TASKS AND A TAB PLAN FOR THE PROJECT.

4. ONE (1) ELECTRONIC COPY IN PDF FORMAT OF THE PRELIMINARY TEST AND BALANCE REPORT TO BE PROVIDED TO THE DESIGN ENGINEER AND/OR INSTALLING CONTRACTOR FOR REVIEW AND COMMENT. PROVIDE (1) ELECTRONIC COPY IN PDF FORMAT OF THE FINAL TEST AND BALANCE REPORT, UPDATED TO INCLUDE ANY SUBSEQUENT PERFORMANCE ADJUSTMENTS, TO THE DESIGN ENGINEER AND/OR INSTALLING CONTRACTOR.

5. TAB REPORT, AT A MINIMUM, TO INCLUDE THE FOLLOWING INFORMATION:

- TITLE PAGE
- TAB AGENCY NAME/ADDRESS/TELEPHONE NUMBER
- PROJECT NAME
- DATE OF REPORT
- NEBB OR AABC CERTIFICATION STATEMENT
- NAME / SIGNATURE AND CERTIFICATION OF TAB SUPERVISOR
- TABLE OF CONTENTS
- REPORT SUMMARY, INCLUDING ANY PERFORMANCE ISSUES WITH SUGGESTED RESOLUTIONS
- INSTRUMENT LIST INCLUDING TYPE, MFR, MODEL, CALIBRATION DATE
- TAB DATA LOGS, ORGANIZED BY SYSTEM, SHOWING INITIAL AND ADJUSTED CONDITIONS DELINEATED BY SYSTEM, BRANCH, AND TERMINAL.
- SPECIFIC DATA TO INCLUDE SUPPLY AIRFLOW, RETURN AIRFLOW, EXHAUST AIRFLOW, OUTSIDE AIRFLOW (AT SYSTEMS MINIMUM AND MAXIMUM IF V.A.V.)
- AIR HANDLER PERFORMANCE AT CLEAN FILTER PRESSURE DROP AND SIMULATED DIRTY FILTER DROP

OPERATION AND MAINTENANCE

1. PROVIDE OPERATION AND MAINTENANCE MANUAL TO ARCHITECT IN PDF DIGITAL FORMAT AT THE COMPLETION OF THE PROJECT. INCLUDE THE FOLLOWING INFORMATION (ASHRAE STD. 90.1 - 2022 6.7.3.2):

1.1 COVER SHEET WITH PROJECT NAME, DATE OF SUBSTANTIAL COMPLETION, AND HVAC CONTRACTOR CONTACT INFORMATION.

1.2 EQUIPMENT CAPACITIES (INPUT AND OUTPUT) AND SELECTED OPTIONS.

1.3 MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR PERIODIC AND ANNUAL MAINTENANCE.

1.4 NAMES AND ADDRESSES OF AT LEAST ONE (1) SERVICE AGENCY.

1.5 HVAC SYSTEM CONTROL MAINTENANCE AND CALIBRATION INFORMATION. THIS WILL INCLUDE SYSTEM SCHEMATICS, WIRING DIAGRAMS, AND CONTROL SEQUENCE DESCRIPTIONS.

1.5 A RECORD OF FINAL OWNER DESIRED, OR FIELD DETERMINED, SET-POINTS.

1.6 WRITTEN NARRATIVE OF HOW EACH HVAC SYSTEM IS INTENDED TO OPERATE, INCLUDING SUGGESTED SET-POINTS.

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
brian@integengineering.com
Cell: (714) 501-6723

REGISTERED PROFESSIONAL ENGINEER
#81286PE
OREGON
MARCH 10, 2008
BRIAN E. JACOBY
RENEWS: 7/01/2025

03/31/2025

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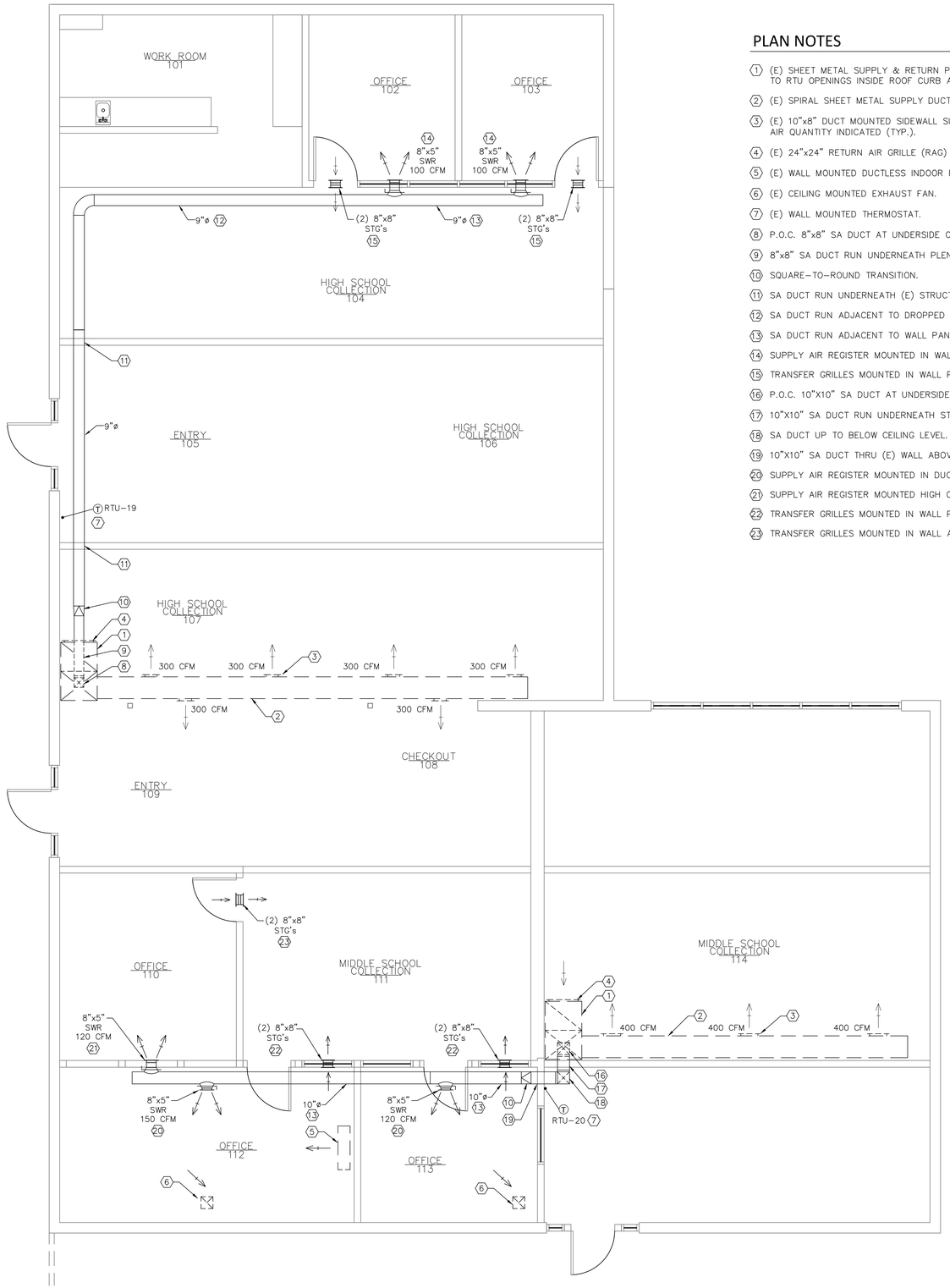
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SHEET TITLE:
MECHANICAL CODE COMPLIANCE NOTES

ISSSUE / REVISIONS:
DESCRP. DATE

ISSUE DATE: 3/31/2025

M002



PLAN NOTES

1. (E) SHEET METAL SUPPLY & RETURN PLENUM BELOW CEILING W/ CONNECTIONS TO RTU OPENINGS INSIDE ROOF CURB ABOVE.
2. (E) SPIRAL SHEET METAL SUPPLY DUCT BELOW CEILING.
3. (E) 10"x8" DUCT MOUNTED SIDEWALL SUPPLY REGISTER (SWR) – BALANCE TO AIR QUANTITY INDICATED (TYP.).
4. (E) 24"x24" RETURN AIR GRILLE (RAG) MOUNTED ON SIDE OF PLENUM.
5. (E) WALL MOUNTED DUCTLESS INDOOR FAN COIL UNIT.
6. (E) CEILING MOUNTED EXHAUST FAN.
7. (E) WALL MOUNTED THERMOSTAT.
8. P.O.C. 8"x8" SA DUCT AT UNDERSIDE OF SUPPLY PLENUM SECTION.
9. 8"x8" SA DUCT RUN UNDERNEATH PLENUM AS HIGH AS POSSIBLE.
10. SQUARE–TO–ROUND TRANSITION.
11. SA DUCT RUN UNDERNEATH (E) STRUCTURAL BEAM AS HIGH AS POSSIBLE.
12. SA DUCT RUN ADJACENT TO DROPPED SOFFIT BELOW EXTERIOR GLAZING.
13. SA DUCT RUN ADJACENT TO WALL PANEL ABOVE DOOR/WINDOW LEVEL.
14. SUPPLY AIR REGISTER MOUNTED IN WALL PANEL ABOVE WINDOW.
15. TRANSFER GRILLES MOUNTED IN WALL PANEL ABOVE DOOR.
16. P.O.C. 10"X10" SA DUCT AT UNDERSIDE OF SUPPLY PLENUM SECTION.
17. 10"X10" SA DUCT RUN UNDERNEATH STRUCTURAL BEAM AS HIGH AS POSSIBLE.
18. SA DUCT UP TO BELOW CEILING LEVEL.
19. 10"X10" SA DUCT THRU (E) WALL ABOVE OFFICE WINDOW LEVEL.
20. SUPPLY AIR REGISTER MOUNTED IN DUCT ABOVE WINDOW.
21. SUPPLY AIR REGISTER MOUNTED HIGH ON WALL.
22. TRANSFER GRILLES MOUNTED IN WALL PANEL ABOVE WINDOWS.
23. TRANSFER GRILLES MOUNTED IN WALL ABOVE DOOR.

1 M101 HVAC REMODEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
brian@integengineering.com
Cell: (714) 501-6723

REGISTERED PROFESSIONAL ENGINEER
#81286PE
OREGON
MARCH 10, 2006
BRIAN E. JACOBY
RENEWS: 7/01/2025

03/31/2025

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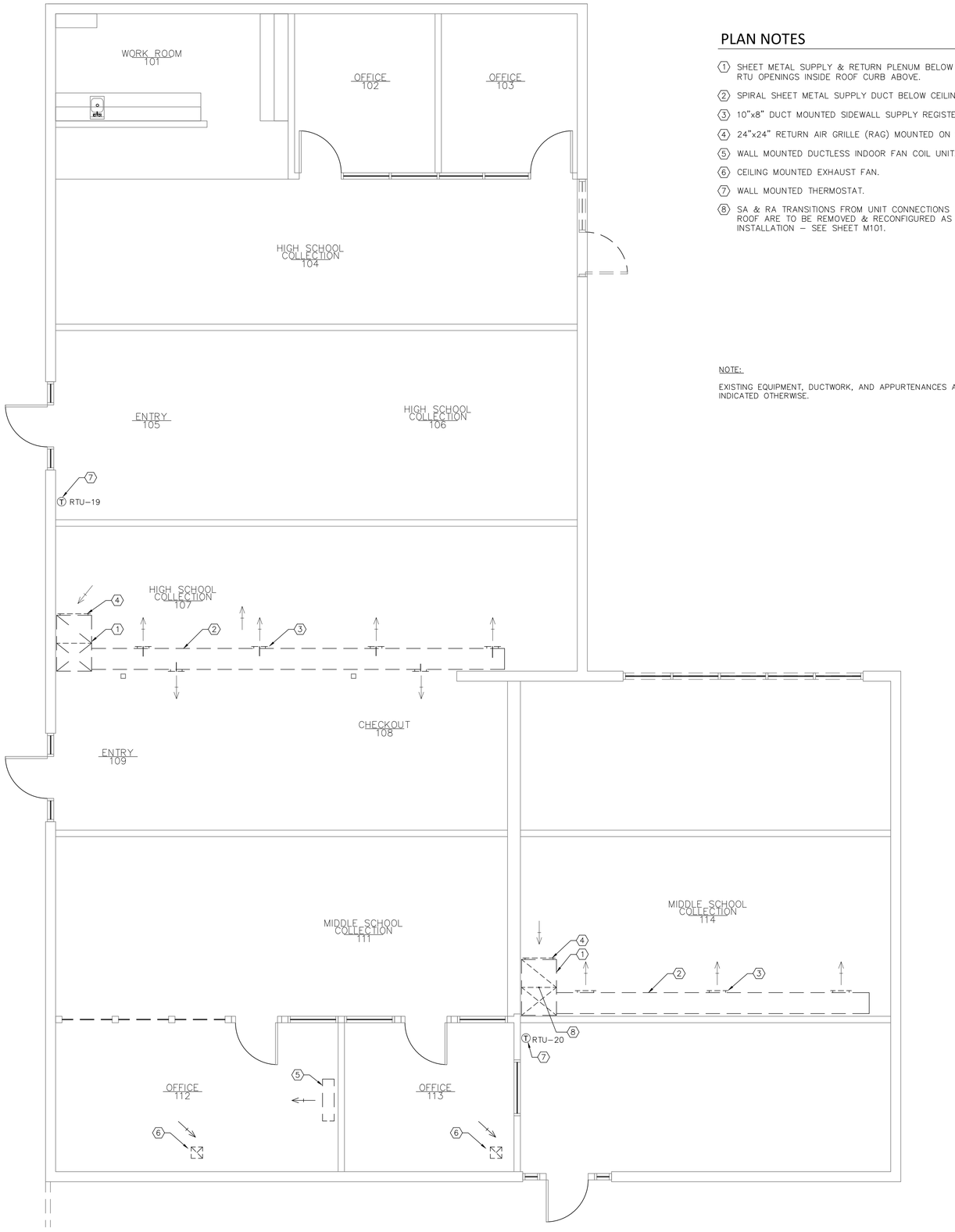
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HVAC REMODEL FLOOR PLAN

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M101



PLAN NOTES

1. SHEET METAL SUPPLY & RETURN PLENUM BELOW CEILING W/ CONNECTIONS TO RTU OPENINGS INSIDE ROOF CURB ABOVE.
2. SPIRAL SHEET METAL SUPPLY DUCT BELOW CEILING.
3. 10"x8" DUCT MOUNTED SIDEWALL SUPPLY REGISTER (SWR) (TYP.).
4. 24"x24" RETURN AIR GRILLE (RAG) MOUNTED ON SIDE OF PLENUM.
5. WALL MOUNTED DUCTLESS INDOOR FAN COIL UNIT.
6. CEILING MOUNTED EXHAUST FAN.
7. WALL MOUNTED THERMOSTAT.
8. SA & RA TRANSITIONS FROM UNIT CONNECTIONS TO SA & RA PLENUMS BELOW ROOF ARE TO BE REMOVED & RECONFIGURED AS REQUIRED FOR NEW UNIT INSTALLATION – SEE SHEET M101.

NOTE:

EXISTING EQUIPMENT, DUCTWORK, AND APPURTENANCES ARE TO REMAIN AS-IS UNLESS INDICATED OTHERWISE.

1 M101D HVAC DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
brian@integengineering.com
Cell: (714) 501-6723

REGISTERED PROFESSIONAL ENGINEER
#81286PE
OREGON
MARCH 10, 2006
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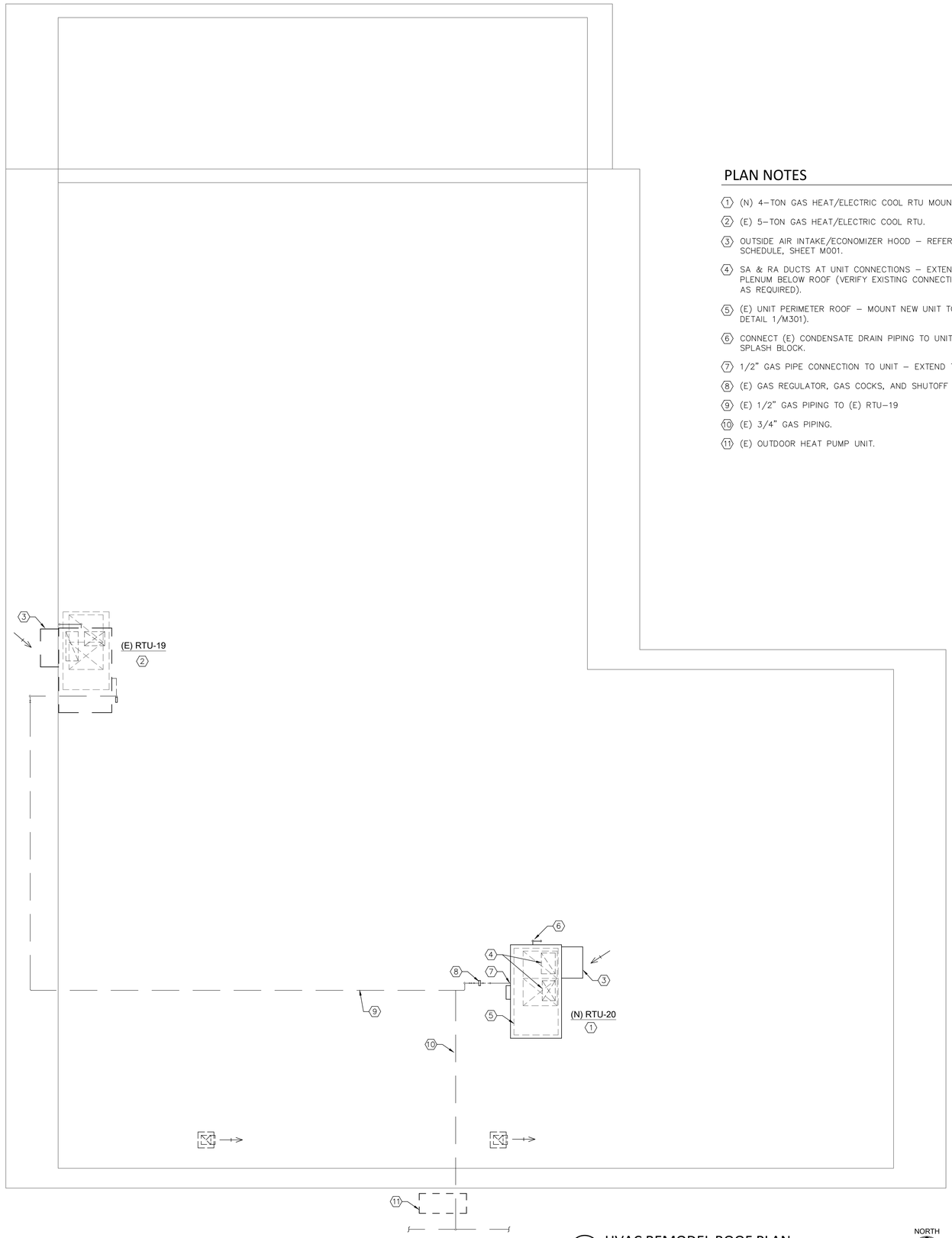
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M101D



1 M201 HVAC REMODEL ROOF PLAN
SCALE: 1/4" = 1'-0"

NORTH

PLAN NOTES

1. (N) 4–TON GAS HEAT/ELECTRIC COOL RTU MOUNTED ON EXISTING PERIMETER CURB.
2. (E) 5–TON GAS HEAT/ELECTRIC COOL RTU.
3. OUTSIDE AIR INTAKE/ECONOMIZER HOOD – REFER TO OUTSIDE AIR VENTILATION SCHEDULE, SHEET M001.
4. SA & RA DUCTS AT UNIT CONNECTIONS – EXTEND TO CONNECTION AT SA/RA PLENUM BELOW ROOF (VERIFY EXISTING CONNECTION SIZES AND PROVIDE TRANSITIONS AS REQUIRED).
5. (E) UNIT PERIMETER ROOF – MOUNT NEW UNIT TO CURB AS REQUIRED (REFER TO DETAIL 1/M301).
6. CONNECT (E) CONDENSATE DRAIN PIPING TO UNIT CONNECTION – SPILL TO (E) SPLASH BLOCK.
7. 1/2" GAS PIPE CONNECTION TO UNIT – EXTEND TO (E) PIPE UNION.
8. (E) GAS REGULATOR, GAS COCKS, AND SHUTOFF VALVE.
9. (E) 1/2" GAS PIPING TO (E) RTU–19
10. (E) 3/4" GAS PIPING.
11. (E) OUTDOOR HEAT PUMP UNIT.

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
brian@integengineering.com
Cell: (714) 501-6723

REGISTERED PROFESSIONAL ENGINEER
#81286PE
OREGON
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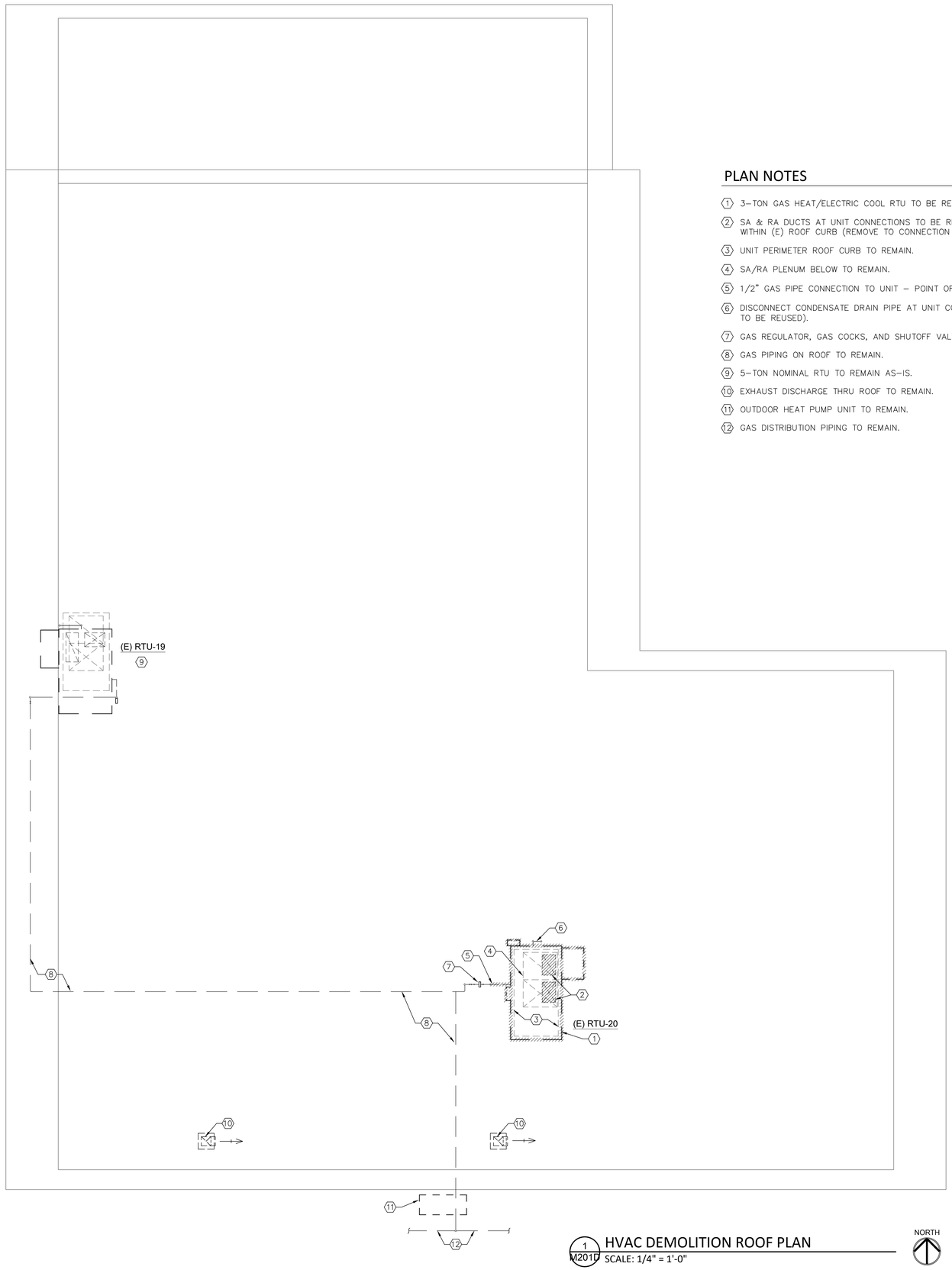
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M201



1 M201D HVAC DEMOLITION ROOF PLAN
SCALE: 1/4" = 1'-0"

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PLAN NOTES

1. 3–TON GAS HEAT/ELECTRIC COOL RTU TO BE REMOVED.
2. SA & RA DUCTS AT UNIT CONNECTIONS TO BE REMOVED – VERIFY EXTENT OF DEMO WITHIN (E) ROOF CURB (REMOVE TO CONNECTION POINT @ PLENUM).
3. UNIT PERIMETER ROOF CURB TO REMAIN.
4. SA/RA PLENUM BELOW TO REMAIN.
5. 1/2" GAS PIPE CONNECTION TO UNIT – POINT OF REMOVAL AT PIPE UNION.
6. DISCONNECT CONDENSATE DRAIN PIPE AT UNIT CONNECTION (PIPING & SPLASH BLOCK TO BE REUSED).
7. GAS REGULATOR, GAS COCKS, AND SHUTOFF VALVE TO REMAIN.
8. GAS PIPING ON ROOF TO REMAIN.
9. 5–TON NOMINAL RTU TO REMAIN AS–IS.
10. EXHAUST DISCHARGE THRU ROOF TO REMAIN.
11. OUTDOOR HEAT PUMP UNIT TO REMAIN.
12. GAS DISTRIBUTION PIPING TO REMAIN.

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
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#81286PE
OREGON
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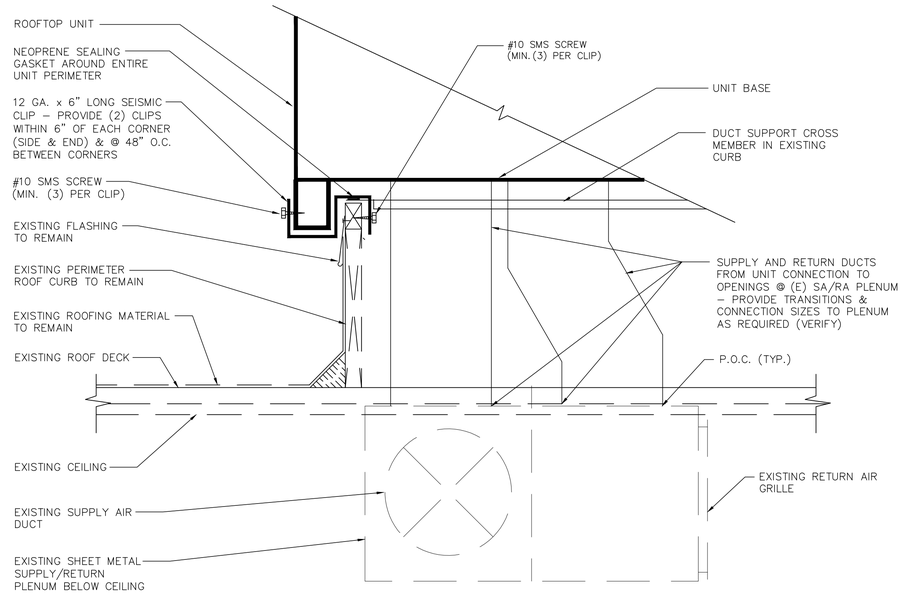
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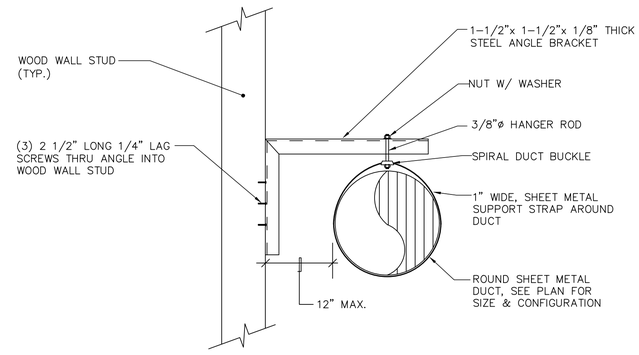


NOTES:

1. ROOFTOP REPLACEMENT MECHANICAL EQUIPMENT IS CERTIFIED BY THE MANUFACTURER TO WEIGH NO MORE THAN 10% OR 100 LBS. GREATER THAN THE EXISTING UNIT, WHICHEVER IS GREATER, AND DOES NOT EXCEED ANY DIMENSION OF THE EXISTING UNIT BY MORE THAN 10% OR 6", WHICHEVER IS GREATER. REFER TO EXISTING AND NEW UNITS CERTIFIED DATA SHEETS FOR REPLACEMENT UNIT PROVIDED WITH PLAN REVIEW PERMIT DOCUMENTS.
2. NO ADDITIONAL MODIFICATION TO STRUCTURAL ELEMENTS IS ANTICIPATED, INCLUDING RE–FRAMING OF EXISTING OPENINGS.
3. REPLACEMENT UNIT IS LOCATED IN THE SAME LOCATION OF THE PREVIOUS UNIT AND REPLACEMENT UNIT IS MOUNTED ON THE EXISTING CURB, WITH NO CURB ADAPTER.
4. REFERENCE: 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC) – SECTION 102.6.1 (STATEWIDE CODE INTERPRETATION NO. 16–01 – STRUCTURAL PERMIT REQUIREMENTS FOR THE REPLACEMENT OF ROOFTOP MECHANICAL EQUIPMENT, IN ACCORDANCE WITH OAR 918–008–0110).

1 NEW ROOFTOP A/C UNIT MOUNTING TO EXISTING CURB (RTU-20)

SCALE: NONE



NOTES:

1. DUCT SUPPORTS SHALL BE MAXIMUM 8'–0" ON CENTER.
2. LOCATE SUPPORTS AND DUCTWORK AS HIGH AS POSSIBLE BELOW EXISTING EXPOSED STRUCTURAL BEAMS AND ABOVE EXISTING ADJACENT INTERIOR PARTITION GLAZING – REFER TO REMODEL FLOOR PLAN, SHEET M101.

2 WALL MOUNTED DUCT SUPPORT

SCALE: NONE

INTEG ENGINEERING
Consulting Mechanical Engineers
5140 Franklin Blvd. Suite #1
Eugene, OR 97403
brian@integengineering.com
Cell: (714) 501-6723

REGISTERED PROFESSIONAL ENGINEER
#81286PE
OREGON
MARCH 10, 2006
BRIAN E. JACOBY
RENEWS: 7/01/2025

03/31/2025

PERMIT SET

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HVAC DETAILS

ISSSUE / REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 3/31/2025

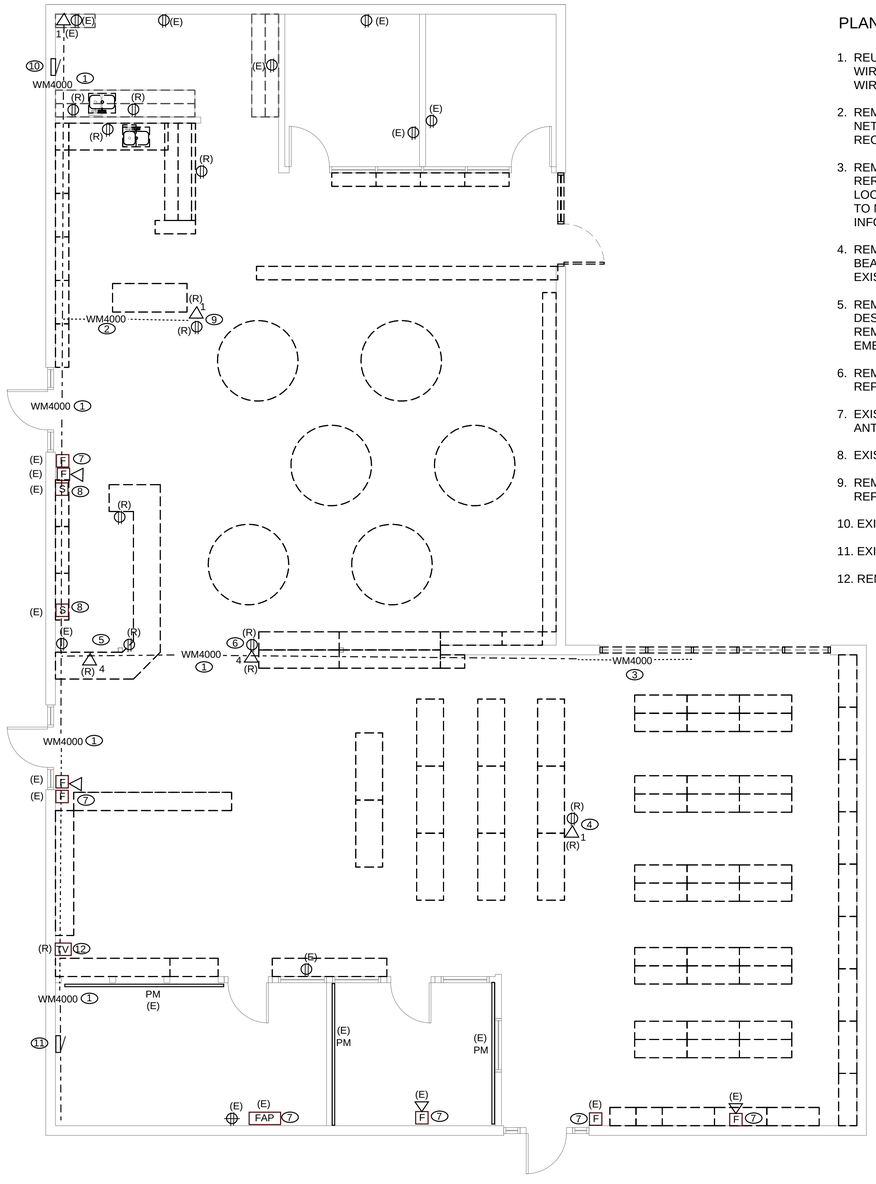
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Paradigm Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@outlook.com

REGISTERED PROFESSIONAL ENGINEER
12699
James Krumsick
OREGON
JULY 21, 1995
JAMES P. KRUMSICK
EXP 6/30 /2025

LEGEND

- LINEAR CABLE HUNG LED LIGHT FIXTURE (A)
- SURFACE LINEAR TYPE INDICATED (C)
- CEILING MOUNTED LED FIXTURE (B)
- BRANCH CIRCUIT PANELBOARD
- NETWORK FAEEPLATE. NUMBER INDICATES JACK QUANTITY (4)
- DUPLEX RECEPTACLE
- FOURPLEX OUTLET
- POWER POLE (PP)
- PLUGMOLD (PP)
- WIREMOLD 4000 RACEWAY (WM 4000)
- SINGLE POLE SWITCH (S)
- OCCUPANCY SENSOR WITH DIMMER (S^{OS-D})
- LOW VOLTAGE SWITCH STATION (S^{LV})
- DAYLIGHT SENSOR (dS)
- OCCUPANCY SENSOR (OS)
- SPEAKER (S)
- FIRE ALARM PULL STATION (F)
- FIRE ALARM HORN (F)
- FIRE ALARM CONTROL PANEL (FAP)
- (E) EXISTING TO REMAIN
- (R) REMOVE EXISTING DEVICES
- (3) NOTE REFERENCE



FIRST FLOOR DEMO PLAN
SCALE: 3/16" = 1'-0"

PLAN NOTES

1. REUSE EXISTING WIREMOLD 4000 RACEWAY FOR NETWORK WIRING. REROUTE WIRING IN THIS RACEWAY TO NEW FACEPLATE LOCATIONS. REPLACE CABLE WHER WIRING DOES NOT HAVE SUFFICIENT LENGTH.
2. REMOVE SECTION OF WIREMOLD 4000 RUN AT CEILING IN THIS LOCATION. REROUTE NETWORK WIRING TO NEW FACEPLATE LOCATION. REMOVE EXISTING DUPLEX RECEPTACLE AND ASSOCIATED BRANCH CIRCUIT WIRING.
3. REMOVE SECTION OF TWO SECTION WIREMOLD 4000 RUN AT FLOOR IN THIS LOCATION. REROUTE NETWORK WIRING (8 NETWORK JACKS) TO NEW RECEPTION DESK FACEPLATE LOCATION AND NEW COMPUTER REPAIR FACEPLATE. REROUTE BRANCH CIRCUIT WIRING TO NEW FOURPLEX OUTLET AT RECEPTION AREA. SEE DRAWING E2.1 FOR ADDITIONAL INFORMATION.
4. REMOVE EXISTING PROJECTOR POWER AND DATA OUTLET MOUNTED ON SIDE OF BEAM. REROUTE DATA CABLE TO TECHNICAL REPAIR FACEPLATE AND REMOVE ALL EXISTING SURFACE CONDUIT AND POWER WIRING.
5. REMOVE EXISTING POWER AND DATA OUTLETS ASSOCIATED WITH EXISTING RECEPTION DESK. REROUTE DATA WIRING TO NEW FACEPLATE LOCATION IN TECHNICAL REPAIR. REMOVE ALL EXISTING SURFACE CONDUIT AND POWER WIRING. CUT CONDUIT WHICH EMERGES FROM SLAB UNDER RECEPTION DESK FLUSH WITH FINISHED FLOOR.
6. REMOVE EXISTING DATA AND POWER OUTLET, REROUTE DATA CABLE TO TECHNICAL REPAIR FACEPLATE AND REMOVE ALL EXISTING SURFACE CONDUIT AND POWER WIRING.
7. EXISTING FIRE ALARM DEVICE TO REMAIN. NO CHANGES TO FIRE ALARM SYSTEM ARE ANTICIPATED.
8. EXISTING SPEAKER TO REMAIIN. NO CHANGES TO INTERCOM SYSTEM ARE ANTICIPATED.
9. REMOVE EXISTING DATA AND POWER OUTLET, REROUTE DATA CABLE TO TECHNICAL REPAIR FACEPLATE AND REMOVE ALL EXISTING SURFACE CONDUIT AND POWER WIRING.
10. EXISTING PANEL L. SEE PANEL SCHEDULE FOR CIRCUIT REVISIONS.
11. EXISTING PANEL L2. SEE PANEL SCHEDULE FOR CIRCUIT REVISIONS.
12. REMOVE EXISTING TV OUTLET AND ASSOCIATED WIRING.

RODD HANSEN ARCHITECT LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-Mail: rodd@rhardhitectural.com

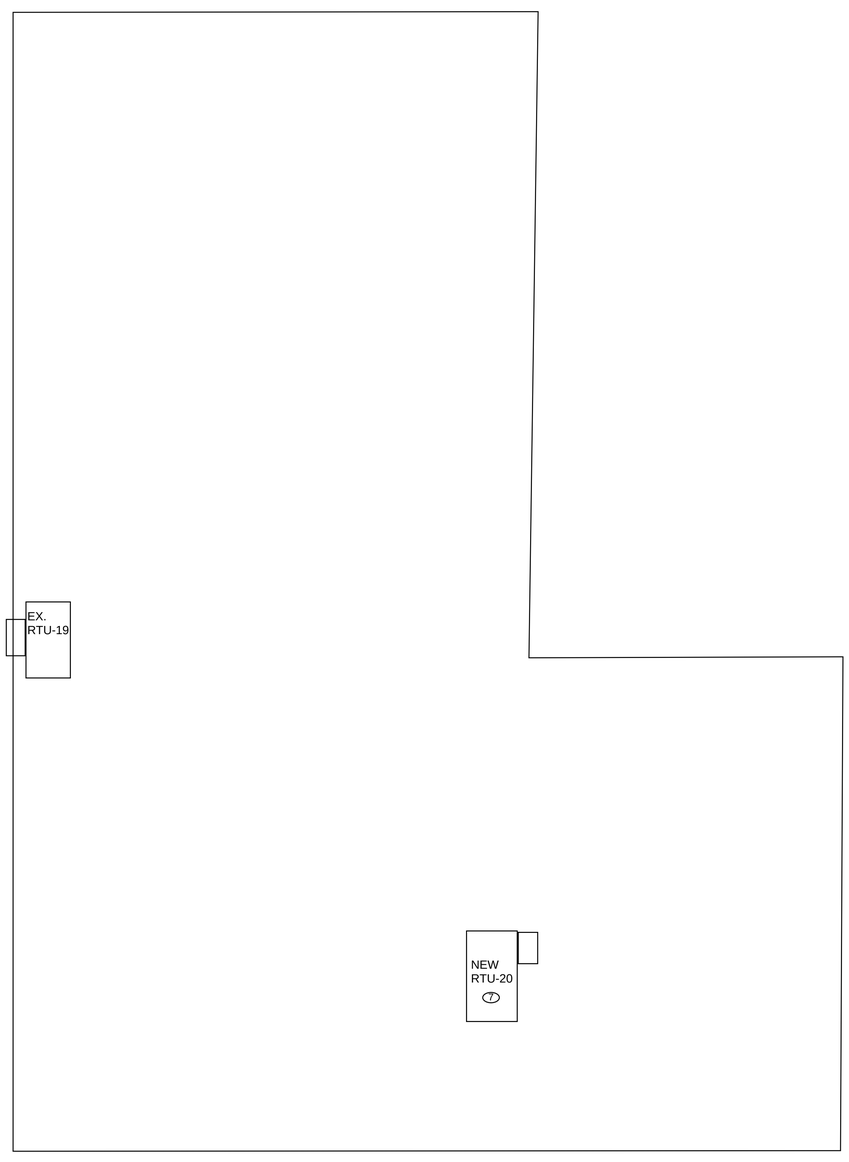
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E1.1

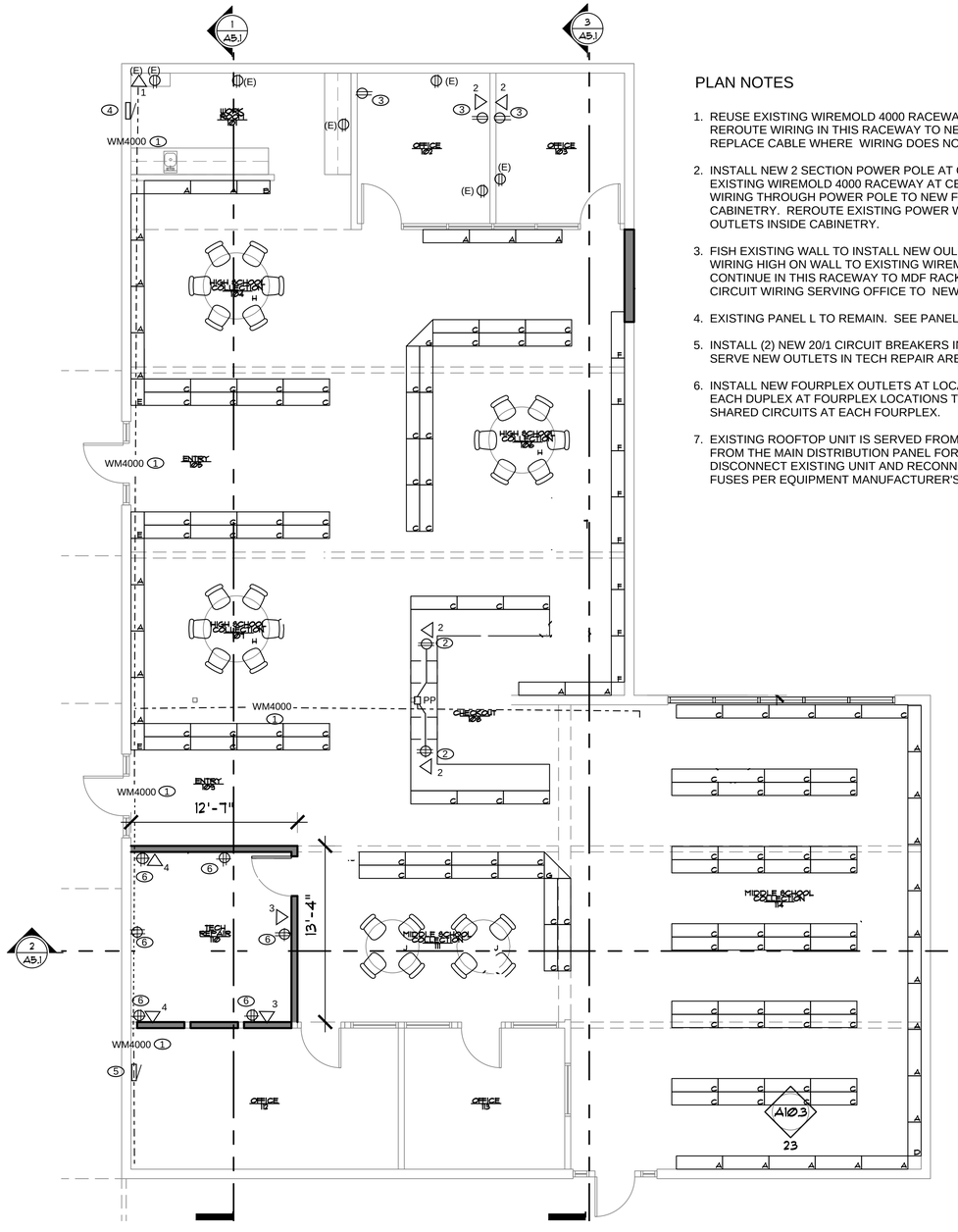
Paradigm
Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@outlook.com

REGISTERED PROFESSIONAL ENGINEER
12699
James Krumsick
OREGON
SEPT. 21, 1984
JAMES P. KRUMSICK
EXP 6/30 /2025



ROOF ELECTRICAL POWER PLAN

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



FIRST FLOOR ELECTRICAL POWER & SIGNAL PLAN

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

PLAN NOTES

1. REUSE EXISTING WIREMOLD 4000 RACEWAY FOR NETWORK WIRING. REROUTE WIRING IN THIS RACEWAY TO NEW FACEPLATE LOCATIONS. REPLACE CABLE WHERE WIRING DOES NOT HAVE SUFFICIENT LENGTH.
2. INSTALL NEW 2 SECTION POWER POLE AT COLUMN. CONNECT TO EXISTING WIREMOLD 4000 RACEWAY AT CEILING. REROUTE NETWORK WIRING THROUGH POWER POLE TO NEW FACEPLATE LOCATIONS INSIDE CABINETRY. REROUTE EXISTING POWER WIRING TO NEW FOURPLEX OUTLETS INSIDE CABINETRY.
3. FISH EXISTING WALL TO INSTALL NEW OULET AS INDICATED. RUN DATA WIRING HIGH ON WALL TO EXISTING WIREMOLD 4000 RACEWAY AND CONTINUE IN THIS RACEWAY TO MDF RACK. EXTEND EXISTING BRANCH CIRCUIT WIRING SERVING OFFICE TO NEW OUTLET LOCATIONS.
4. EXISTING PANEL L TO REMAIN. SEE PANEL SCHEDULE.
5. INSTALL (2) NEW 20/1 CIRCUIT BREAKERS IN EXISTING PANEL L2. USE TO SERVE NEW OUTLETS IN TECH REPAIR AREA,
6. INSTALL NEW FOURPLEX OUTLETS AT LOCATIONS SHOWN. CONNECT EACH DUPLEX AT FOURPLEX LOCATIONS TO A SEPARATE CIRCUIT - TWO SHARED CIRCUITS AT EACH FOURPLEX.
7. EXISTING ROOFTOP UNIT IS SERVED FROM A 150/3, 480 VOLT FEEDER FROM THE MAIN DISTRIBUTION PANEL FOR THE HIGH SCHOOL. DISCONNECT EXISTING UNIT AND RECONNECT NEW. PROVIDE NEW FUSES PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-Mail: rodd@rhparchitectural.com

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SCALE: 3/16"=1'0"

E2.1

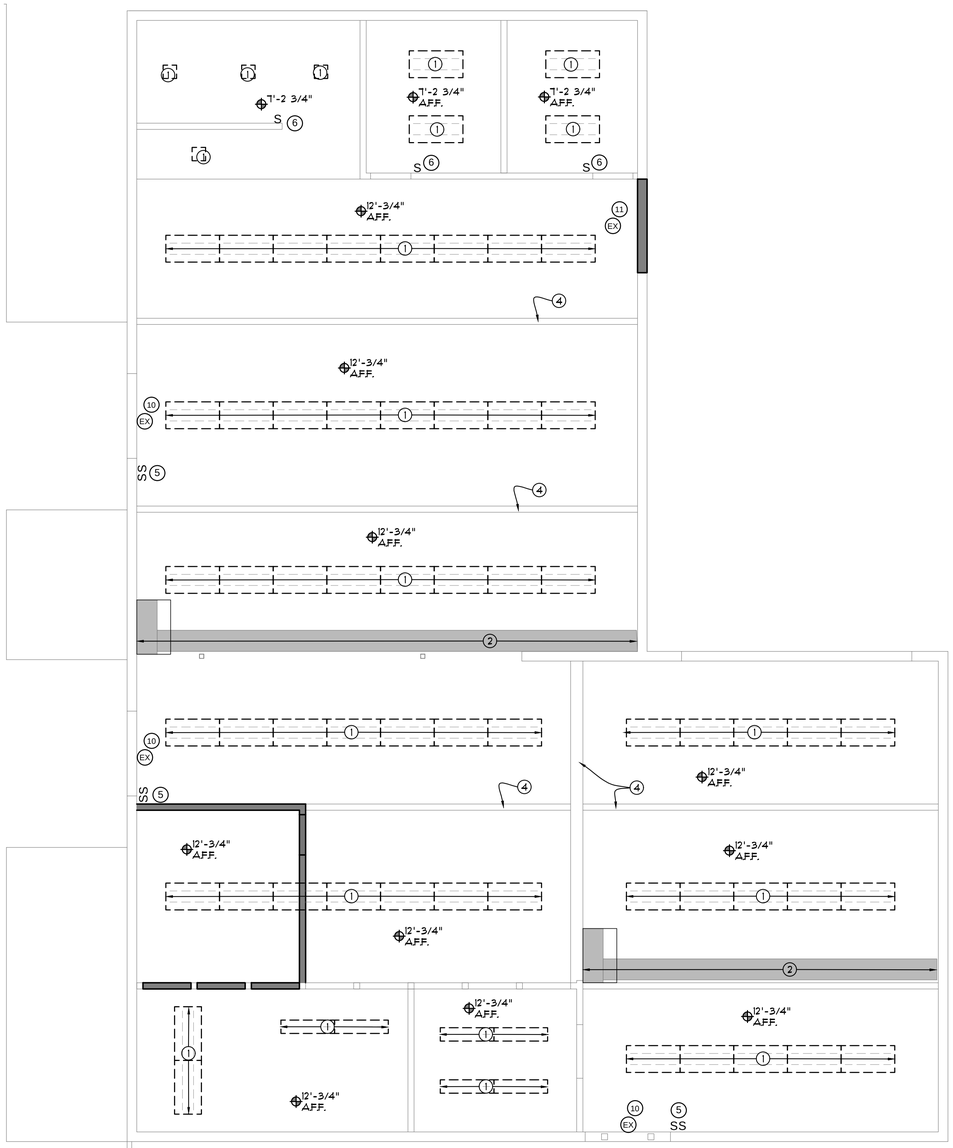
Paradigm
Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@outlook.com

REGISTERED PROFESSIONAL ENGINEER 12699
James Krumsick
OREGON
SEPT. 21, 1984
JAMES P. KRUMSICK
EXP 6/30 /2025

RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-Mail: rodd@rharchitectural.com

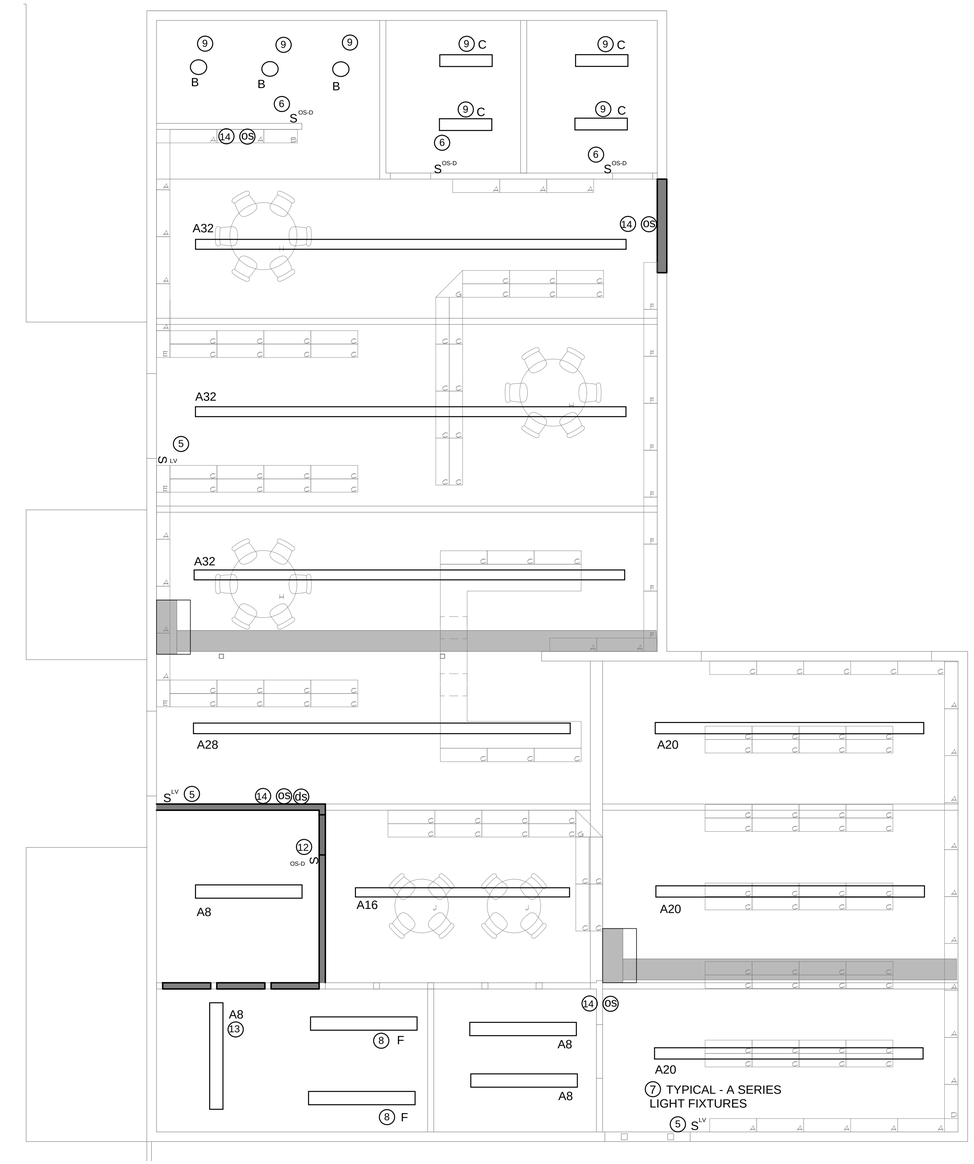
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FIRST FLOOR REFLECTED CEILING DEMO PLAN

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



FIRST FLOOR REFLECTED CEILING PLAN

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

KEY NOTES:

1. CEILING FIXTURES TO BE REMOVED
2. EXISTING MECHANICAL
3. NEW POWER DROPS
4. EXISTING CEILING BEAMS
5. *EXISTING LIGHT SWITCHES TO BE REPLACED WITH NEW LOW VOLTAGE SWITCHES*
6. *REPLACE EXISTING LIGHT SWITCHES WITH NEW COMBINATION OCCUPANCY/DIMMER SWITCH. SEE LIGHT FIXTURE SCHEDULE.*
7. *REMOVE EXISTING PENDANT FIXTURE AND STEMS. INSTALL NEW CABLE HUNG FIXTURE AT EXISTING FIXTURE LOCATION*
8. *RELAMP EXISTING FIXTURES WITH TLED LAMPS PER LIGHT FIXTURE SCHEDULE*
9. *REMOVE EXISTING SURFACE MOUNTED LIGHT FIXTURE AND REPLACE WITH NEW AT EXISTING FIXTURE LOCATION.*
10. *EXISTING EXIT SIGN / EMERGENCY LIGHT TO BE REUSED.*
11. *EXISTING EXIT SIGN TO BE REMOVED.*
12. *PROVIDE NEW OCCUPANCY SENSOR / DIMMER CONTROLLING NEW AREA LIGHT FIXTURE. REROUTE CIRCUIT AS REQUIRED*
13. *DISCONNECT LIGHT FROM GENERAL LIBRARY LIGHTING CONTROL CIRCUIT AND RECONNECT TO LOCAL ROOM SWITCHED CIRCUIT*
14. *CONTROL LIBRARY A SERIES LIGHT FIXTURES WITH WIRELESS PHOTOSENSOR, OCCUPANCY SENSORS AND CONTROL STATIONS. LOCATE DEVICES PER MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATIONS..*

TITLE: ELECTRICAL LIGHTING

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4	--

ISSUE DATE: 3/31/2025

SCALE: 3/16"=1'0"

E2.2

PANEL SCHEDULE

PANEL: L

VOLTS: 120/208

LOCATION: North Storage Room

MOUNTING: Recessed

TYPE:

AMPS: 125

PHASE: 3 **WIRE:** 4

MAIN: Main Breaker

NOTES: Panel is existing. Use existing spare circuit breakers for new loads. Provide new panel directory.

DATE: March 29, 2025
PROJECT: Pleasant Hill HS Library

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	11600	******	11600
MOTOR LOADS	0		0
RESISTANCE LOADS	0	100%	0

	Connected	Demand****
TOTAL VOLT-AMPS	11,600	11,600
MAXIMUM PHASE AMPS	48.3	48.3

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	Lighting	700	1	A	2	720	Receptacles	1	20
20	1	Receptacles	720	3	B	4	1000	Copy Room Receptacle	1	20
20	1	Front Desk Receptacles	720	5	C	6	1000	Copy Room Receptacle	1	20
20	1	Receptacles	720	7	A	8	720	Receptacles	1	20
20	1	Receptacles	720	9	B	10		Spare	1	20
20	1	Receptacles	720	11	C	12		Spare	1	20
20	1	Spare	180	13	A	14		Spare (Was Power Pole)	1	20
20	1	Data Receptacle	360	15	B	16	360	Data Receptacle	1	20
20	1	Spare (Was A/V Receptacle)	800	17	C	18	360	A/V Receptacle	1	20
20	1	IDF B Receptacle	360	19	A	20	720	Receptacles	1	20
20	1	Spare		21	B	22	720	Receptacles	1	20
20	1	Spare		23	C	24		Spare	1	20
		Space		25	A			Space		
		Space		27	B			Space		

PANEL SCHEDULE

PANEL: L2

VOLTS: 120/208

LOCATION: MDF Room

MOUNTING: Recessed

TYPE:

AMPS: 125

PHASE: 3 **WIRE:** 4

MAIN: Main Breaker

NOTES: Panel is existing. Use existing spare circuit breakers for new loads. Provide new panel directory.

DATE: March 29, 2025
PROJECT: Pleasant Hill HS Library

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	6000	125%	7500
OUTLETS	7420	******	7420
MOTOR LOADS	0		0
RESISTANCE LOADS	12600	100%	12600

	Connected	Demand****
TOTAL VOLT-AMPS	26,020	27,520
MAXIMUM PHASE AMPS	108.4	114.7

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	Data Rack	720	1	A	2	1000	Lighting	1	20
20	1	Data Rack	720	3	B	4	1000	Lighting	1	20
20	1	Data Rack	720	5	C	6	1000	Lighting	1	20
20	1	Parkiing Lot Lighting	1000	7	A	8	540	Plugmold IT Room	1	20
20	1	Parkiing Lot Lighting	1000	9	B	10	1000	Lighting	1	20
20	1	Rack Receptacles	720	11	C	12	1000	Lighting	1	20
20	1	Spare		13	A	14	1000	Water Heater	1	20
20	1	Spare		15	B	16		Spare	1	20
20	1	Spare		17	C	18		Spare	1	20
20	1	Spare		19	A	20		Spare	1	20
20	1	Spare		21	B	22		Spare	1	20
20	1	Spare		23	C	24		Spare	1	20
60	3	Panel L1	4120	25	A	26	1000	H5	3	10
			3880	27	B	28	1000			
			3600	29	C	30	1000			

Pleasant Hill High Library Control Matrix

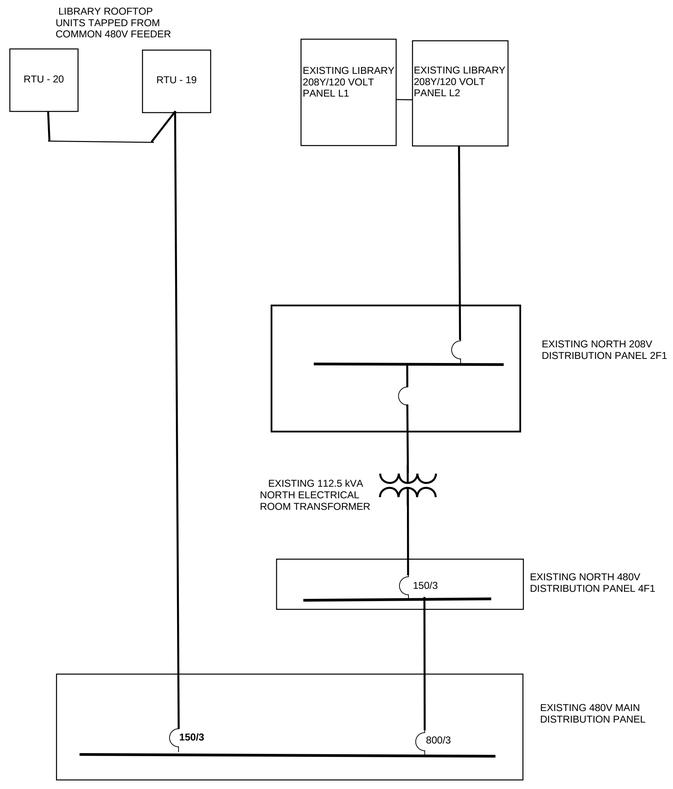
Area	Type of Controls	Control Functions	Product Basis For Design
Main Library	Programmable	Daylight Sensor / Local Dimming/ Sweep off	Acuity Nlight Air
Office /Work Room	Occupancy Sensor - Line Voltage	Switch on / off with Occupancy Sensor and Dimmer	Line voltage controls
Tech Repair	Manual Switch	Switch on / off with Occupancy Sensor and Dimmer	Line voltate controls

MECHANICAL EQUIPMENT SCHEDULE

TAG	Description	VOLT RATING	FUSE SIZE	MCA	Branch Circuit	Circuit Assignment
RTU-20	**Rooftop Unit**	**480/3**	**15/3**	**10.7**	**3/4"C, 3#10, #10G**	**TAP EXISTING HVAC FEEDER**

RISER DIAGRAM NOTES

1. ONE LINE DIAGRAM DEPICTS HOW ELECTRICAL SYSTEM SEEMS TO BE CONFIGURED BASED ON FIELD OBSERVATIONS AND EXISTING DRAWINGS. ELECTRICAL CONTRACTOR SHALL TRACE CIRCUITS AND CONFIRM EXISTING CONDITIONS INCLUDING SOURCE OF POWER, FEEDER SIZES AND OVERCURRENT PROTECTION



ONE LINE DIAGRAM

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	Description	Manufacturer Catalog Number	VOLT RATING	Light Source	Mounting	Notes
A 8	**Pendant Mounted Linear LED with 20% Uplight 80% Downlight - 8 Feet in Length White Finish**	**Mark Planar Series PLN8 LLP 8 20/90 MSL8 90 CRI ID1500 NLT**	**120**	**11 W / LF 1500 LM /FT LED**	**24" Cable Mounted**	N Lite wireless control. Control ccwith local daylight sensor, Occupancy Sensors and Daylight controls
A 16	**Pendant Mounted Linear LED with 20% Uplight 80% Downlight - 16 Feet in Length White Finish**	**Mark Planar Series PLN8 LLP 16 20/90 MSL8 90 CRI ID1500 NLT**	**120**	**11 W / LF 1500 LM /FT LED**	**24" Cable Mounted**	N Lite wireless control. Control ccwith local daylight sensor, Occupancy Sensors and Daylight controls
A 20	**Pendant Mounted Linear LED with 20% Uplight 80% Downlight - 20 Feet in Length White Finish**	**Mark Planar Series PLN8 LLP 20 20/90 MSL8 90 CRI ID1500 NLT**	**120**	**11 W / LF 1500 LM /FT LED**	**24" Cable Mounted**	N Lite wireless control. Control ccwith local daylight sensor, Occupancy Sensors and Daylight controls
A 28	**Pendant Mounted Linear LED with 20% Uplight 80% Downlight - 28 Feet in Length White Finish**	**Mark Planar Series PLN8 LLP 28 20/90 MSL8 90 CRI ID1500 NLT**	**120**	**11 W / LF 1500 LM /FT LED**	**24" Cable Mounted**	N Lite wireless control. Control ccwith local daylight sensor, Occupancy Sensors and Daylight controls
A 32	**Pendant Mounted Linear LED with 20% Uplight 80% Downlight - 32 Feet in Length White Finish**	**Mark Planar Series PLN8 LLP 32 20/90 MSL8 90 CRI ID1500 NLT**	**120**	**11 W / LF 1500 LM /FT LED**	**24" Cable Mounted**	N Lite wireless control. Control ccwith local daylight sensor, Occupancy Sensors and Daylight controls
B	**Surface Mounted 13" Round Light Form**	**Juno JSF 13" 18LM SWWS 90 CRI 120 FRPC WH**	**120**	**20 Watt LED**	**Surface Mounted**	Mount over existing junction box Reuse existing switched circuit
C	**LED Surface Mounted 4 ' Linear**	**Nulite LCS 5i 100 FF O9 H 35 DI**	**120**	**40 Watt LED**	**Surface**	
EM	**Emergency 2 Lamp LED**	**Lithonia ELM 2L**	**120**		**Suface**	
EX	**Existing Emergency Exit Sign with 2 Adjustable Emergency Heads**	**Existing**	**120**		**Suface**	
F	**Existing Pendant 4' , 2 Lamp T8 Fluorescent**	**Retrofit With Type C TLED Lamp and Driver**	**120**	**20 Watt TLED**	**Surface**	

Paradigm Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@outlook.com

REGISTERED PROFESSIONAL ENGINEER 12699 James Krumsick OREGON SEPT. 21, 1984 JAMES P. KRUMSICK
EXP 6/30 /2025

RODD HANSEN ARCHITECT, LLC
1551 Oak Street Suite A
Eugene, Oregon 97401
Phone: (541)687-1800
Fax: (541)687-1200
E-Mail: rodd@rhearchitectural.com

DISTRICT 1 PLEASANT HILL LIBRARY
84455 N ENTERPRISE RD.
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E3.1