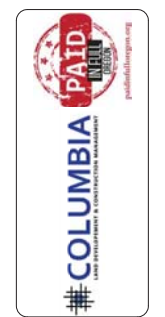


# INTERIOR REMODEL FOR OREGON STATE CORRECTIONAL INSTITUTION

3405 DEER PARK DR SE

SALEM, OR 97310



INTERIOR REMODEL FOR OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

COVER SHEET

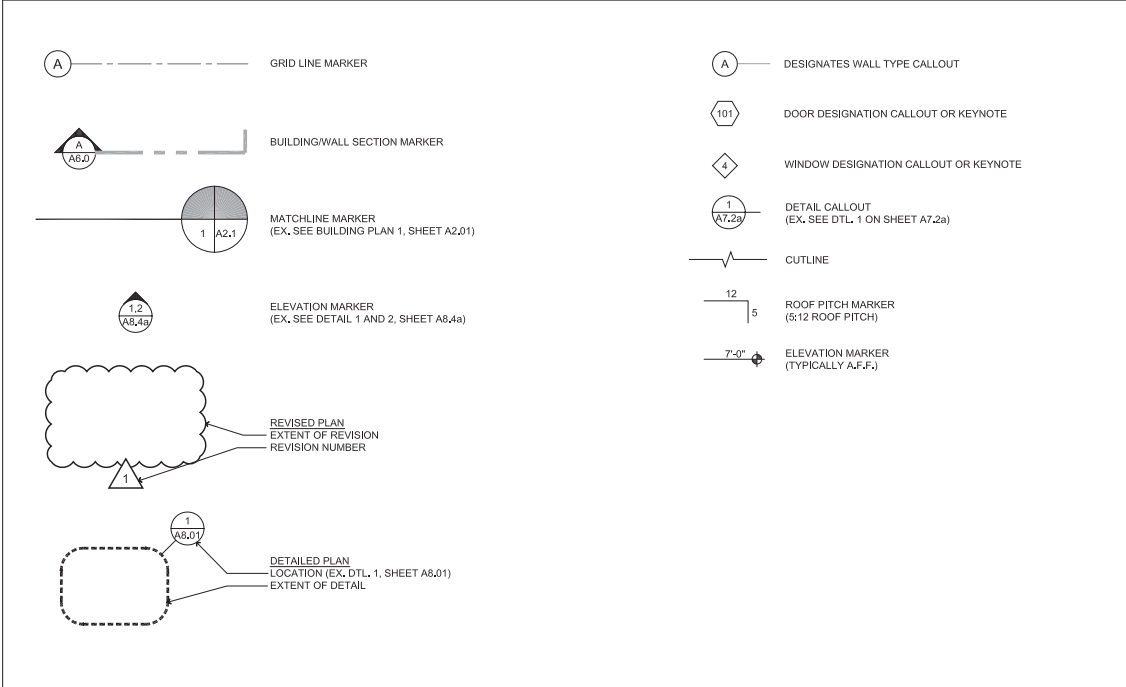
DATE: 04/23/19  
REVISED DATE: 5/14/2019  
SHEET: G0.0

<b>PROJECT DATA</b> OWNER: OREGON STATE CORRECTIONAL INSTITUTION STRUCTURAL ENGINEER: LEWIS AND VAN VLEET, INC. SPECIFICATIONS CONSULTANT: LINN WEST ARCHITECTURAL SPECIFICATIONS CONSULTANT SCOPE OF WORK: SCOPE OF WORK INCLUDES AN INTERIOR BUILDING REMODEL... APPLICABLE CODES: 2014 OREGON STRUCTURAL SPECIALTY CODE...		<b>ZONING CODE SUMMARY</b> PROJECT/SITE INFORMATION: GOVERNING AGENCY: CITY OF SALEM, OR BUILDING ZONE: PH - PUBLIC HEALTH TAX MAP: 082W08 00100 FLOOD PLAIN / WAY OVERLAY ZONE: NO TOTAL SITE AREA: 377.12 AC. (16,427,347 SQ. FT.) EXISTING USE: CORRECTIONAL FACILITY PROPOSED USE: CORRECTIONAL FACILITY REQUIRED OFF-STREET PARKING NOT APPLICABLE NO ADDITIONAL AREAS TO BE ADDED TO THE DETENTION FACILITY... Any deviations from approved plans must be reviewed and approved by City of Salem. Inspections are based on approved plans only.		<b>DRAWING INDEX</b> ARCHITECTURAL G0.0 COVER SHEET G0.1 ABBREVIATIONS G2.1 FIRE, LIFE AND SAFETY PLAN A2.1 DEMOLITION PLAN A3.1 FLOOR PLAN A4.1 REFLECTED CEILING PLAN AND DETAILS A5.1 DETAILS A8.1 DOOR SCHEDULE AND WINDOW TYPES A9.1 RESTROOM DETAILS AND ELEVATIONS I3.1 INTERIOR FINISHES FLOOR PLAN STRUCTURAL S1.1 FOUNDATION PLAN AND DETAILS S1.2 DETAILS AND NOTES MECHANICAL M1.0 MECHANICAL COVER SHEET M2.1 HVAC DEMOLITION FLOOR PLAN M3.1 HVAC FLOOR PLAN PLUMBING P1.0 PLUMBING COVER SHEET P2.1 PLUMBING DEMOLITION FLOOR PLAN P3.1 PLUMBING FLOOR PLAN ELECTRICAL E0.0 ELECTRICAL COVER SHEET E2.1 ELECTRICAL DEMOLITION PLAN E3.1 POWER / SCHEMATIC LOW VOLTAGE PLAN E4.1 LIGHTING PLAN	
<b>BUILDING CODE SUMMARY</b> 1. CONSTRUCTION TYPE: II-B 2. OCCUPANCY GROUP: B 3. SPRINKLED: YES 4. BUILDING HEIGHT: 1 STRY, HEIGHT EXISTING 5. AREA OF TENANT IMPROVEMENT: 3,315 SQ.FT. 6. OCCUPANT LOAD: 78 OCCUPANTS OCCUPANCY FLOOR AREA: 1,548 SQ.FT. EDUCATIONAL AREAS, CLASSROOMS FLOOR AREA PER OCCUPANT: 20 SQ.FT. TOTAL CLASSROOM AREAS OCC. LOAD: 78 OCCUPANTS OCCUPANCY FLOOR AREA: 760 SQ.FT. STUDY ROOM FLOOR AREA PER OCCUPANT: 50 SQ.FT. TOTAL STUDY AREAS OCC. LOAD: 16 OCCUPANTS OCCUPANCY FLOOR AREA: 362 SQ.FT. COMPUTER LAB, VOCATIONAL ROOMS FLOOR AREA PER OCCUPANT: 50 SQ.FT. TOTAL LIBRARY AREAS OCC. LOAD: 8 OCCUPANTS OCCUPANCY FLOOR AREA: 248 SQ.FT. MEZZANINE OFFICE FLOOR AREA PER OCCUPANT: 100 SQ.FT. TOTAL LIBRARY AREAS OCC. LOAD: 3 OCCUPANT OCCUPANCY FLOOR AREA: 121 SQ.FT. MECHANICAL EQUIP. ROOMS FLOOR AREA PER OCCUPANT: 300 SQ.FT. TOTAL LIBRARY AREAS OCC. LOAD: 1 OCCUPANT TOTAL OCCUPANTS FOR REMODEL: 106 OCCUPANTS		<b>GENERAL NOTES</b> 1) THE GENERAL CONTRACTOR SHALL FULLY COMPLY WITH THE 2014 EDITION OF THE OREGON STRUCTURAL SPECIALTY CODE (OSSC) AND ALL ADDITIONAL STATE AND LOCAL CODE REQUIREMENTS... 2) DO NOT SCALE DRAWINGS FOR ANY REASON... 3) THIS OFFICE SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS... 4) DETAILS SHOWN ARE TYPICAL... 5) LARGER SCALE DETAILING SHALL TAKE PRECEDENCE OVER SMALLER SCALE... 6) ALL DIMENSIONS SHOWN ARE TO FACE OF STUD... 7) DELIVER ALL MATERIALS AND EQUIPMENT IN UNOPENED AND UNDAMAGED PACKAGING... 8) VERIFY ALL ARCHITECTURAL DETAILS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS... 9) INSTALL ALL MATERIALS AND EQUIPMENT ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS... 10) THESE CONSTRUCTION DOCUMENTS ARE INTENDED TO PROVIDE THE BASIS FOR PROPER COMPLETION OF THE WORK...			
<b>EXISTING SITE PLAN</b> 		<b>VICINITY MAP</b> 		<b>BIDDER DESIGNED SYSTEMS:</b> <b>FIRE ALARM DRAWINGS:</b> NOTE: THE FIRE ALARM SYSTEM FOR THIS PROJECT IS TO BE BIDDER/DESIGNED... <b>FIRE SPRINKLER DRAWINGS:</b> NOTE: THE FIRE SPRINKLER SYSTEM FOR THIS PROJECT IS TO BE BIDDER/DESIGNED... PERMITS REQUIRED: Separate permits must be obtained for the following: ELECTRICAL, MECHANICAL, PLUMBING, FIRE SYSTEMS, SIGNAGE.	
<b>DEFERRED SUBMITTALS: NONE</b>		<b>REVISION DESCRIPTION:</b> 5/14/19 CITY REVIEW COMMENTS			
 City of Salem Building and Safety Reviewed for Code Compliance		 STATE CERTIFIED PLANS EXAMINER 6004 PEF HUSAM M. OUBARI By:houbari - 05/23/2019 3:22:00 PM			

### ABBREVIATIONS

@	AT	EW	EACH WAY	MAS	MASONRY	SHT	SHEET
AB	ANCHOR BOLT	EWC	ELECTRIC WATER COOLER	MATL	MATERIAL	SHWR	SHOWER
AC	AIR CONDITIONING	EX	EXISTING	MAX	MAXIMUM	SIM	SIMILAR
AC	ACOUSTIC	EXH	EXHAUST	MB	MACHINE BOLT	SLV	SHORT LEG VERTICAL
ACPL	ACOUSTICAL PLASTER	EXTG	EXISTING	MBR	MEMBER	SMS	SHEET METAL SCREW
ACT	ACOUSTICAL TILE	EXP	EXPANSION	MECH	MECHANICAL	SND	SANITARY NAPKIN DISPOSAL
AD	AREA DRAIN	EXP JT	EXPANSION JOINT	MFR	MANUFACTURER	SPEC	SPECIFICATION
ADJ	ADJACENT	EXT	EXTERIOR	MANU	MANUFACTURER	SPL	SPECIAL
AFF	ABOVE FINISH FLOOR			MANUF		SQ	SQUARE
AGG	AGGREGATE	FA	FIRE ALARM	MH	MANHOLE	SS	STAINLESS STEEL
AHJ	AUTHORITY HAVING JURISDICTION	FD	FLOOR DRAIN	MIC	MICROWAVE	ST	STEEL
ALT	ALTERNATE	FDC	FIRE DEPARTMENT CONNECTION	MIN	MINIMUM	STAG	STAGGERED
ALUM	ALUMINUM	FE	FIRE EXTINGUISHER	MISC	MISCELLANEOUS	STC	SOUND TRANSMISSION COEFFICIENT
D	ANGLE	FEQ	FIRE EXTINGUISHER CABINET	MO	MASONRY OPENING	STD	STANDARD
AP	ACCESS PANEL	FF	FINISH FLOOR	MOD	MODULAR	STD	STAIN
APPROX	APPROXIMATE	FHC	FIRE HOSE CABINET	MR	MOISTURE RESISTANT	STRUC	STRUCTURAL
ARCH	ARCHITECTURAL	FHMS	FLAT HEAD SHEET METAL SCREW	MTG	MOUNTING	SUSP	SUSPENDED
ASB	ASBESTOS	FIN	FINISHED	MTH&WS	METAL THRESHOLD & WEATHER	SV	SHEET VINYL
ASPH	ASPHALT	FLR	FLOOR	STRIP	STRIPPING	SW	SWITCH
		FLUOR	FLUORESCENT	MTL	METAL	SYM	SYMMETRIC(AL)
BB	BOND BEAM	FND	FOUNDATION	(N)	NEW	T	TREADS
BD	BOARD	FO	FACE OF	NFPA	NATIONAL FIRE PROTECTION	T&G	TONGUE & GROOVE
BIT	BITUMINOUS	FOC	FACE OF CONCRETE	ASSOCIATION		TB	TACKBOARD
BJB	BAR JOIST BEARING	FOF	FACE OF FINISH	NIC	NOT-IN-CONTRACT	TC	TOP OF CURB
BLDG	BUILDING	FOM	FACE OF MASONRY	NR	NOISE REDUCTION COEFFICIENT	TEL	TELEPHONE
BLK	BLOCK	FOS	FACE OF STUD	NTS	NOT TO SCALE	TEMP	TEMPORARY
BLKG	BLOCKING	FRAT	FIRE RATED	FRAT	FIRE RATED	TERR	TERRAZO
BM	BEAM	FRET	FIRE RETARDANT (TREATED)	FSD	FIRE SUPPRESSION DISTANCE	THK	THICKNESS
BOCA	BUILDING OFFICIALS CODE	FRZ	FREEZER	OA	OVERALL	THRES	THRESHOLD
	ADMINISTRATION	FT	FOOT	O.C.	OUTSIDE DIAMETER	TMP	TOP OF MASONRY PARAPET
BOT	BOTTOM	FTG	FOOTING	OD	OWNER-FURNISHED, CONTRACTOR	TOB	TOP OF BEAM
BRG	BEARING	FX	FIRE EXTINGUISHER	OFCI	OFFICIAL	TOC	TOP OF CONCRETE
BRK	BRICK	FXC	FIRE EXTINGUISHER CABINET	O/S	OUTSIDE	TOIL	TOILET
BUR	BUILT UP ROOF			OH	OVERHEAD	TOP	TOP OF PARAPET
				OPG	OPENING	TOS	TOP OF STEEL
I	CHANNEL	GALV	GAGE, GAUGE	OPP	OPPOSITE	TOW	TOP OF WALL
CAB	CABINET	GB	GRAB BAR	ORD	OVERFLOW ROOF DRAIN	TPD	TOILET PAPER DISPENSER
CB	CATCH BASIN	GC	GENERAL CONTRACTOR			TV	TELEVISION
C/C	CENTER-TO-CENTER	GCB	GYP SUM CEILING BOARD	PAR	PARALLEL	TV	TYPICAL
CF	CUBIC FEET	GP	GYP SUM PLASTER	PART	PARTITION	UNF	UNFINISHED
CFM	CUBIC FEET PER MINUTE	GWB	GYP SUM WALL BOARD	PBD	PARTICLE BOARD	UNU	UNLESS OTHERWISE NOTED
CG	CORNER GUARD	GYP	GYP SUM	PC	PREFAB CONCRETE	VB	VAPOR BARRIER
CJ	CAST IRON	H	HIGH	PCF	POUNDS PER CUBIC FOOT	VCT	VINYL COMPOSITE TILE
CL	CENTER LINE	HB	HOSE BIB	PERF	PERFORATE(D)	VENT	VENTILATION
CLG	CEILING	HC	HOLLOW CORE	PERP	PERPENDICULAR	VERT	VERTICAL
CLR	CLEAR(ANCE)	HD	HEAVY DUTY	PERIM	PERIMETER	VIF	VERIFY IN FIELD
CMF	CORRUGATED METAL PIPE	HDWR	HARDWARE	PLAM	PLASTIC LAMINATE	VNR	VENEER
CMU	CONCRETE MASONRY UNIT	HDWD	HARDWOOD	PLF	POUNDS PER LINEAL FOOT	VT	VINYL TILE
CO	CLEAN OUT	HM	HOLLOW METAL	PLYWD	PLYWOOD	VWC	VINYL WALL COVERING
COL	COLUMN	HORIZ	HORIZONTAL	PR	PAIR	W	WIDE
COORD	COORDINATE	HR	HOUR	PROP	PROPOSED	W	WITH
CONC	CONCRETE	HT	HEIGHT	PSF	POUNDS PER SQUARE FOOT	WC	WATER CLOSET
CONN	CONNECTION	HVAC	HEATING/VENTILATING/AIR-CONDITIONING	PT	POINT/PRESSURE TREATED	WD	WOOD
CONTR	CONTRACTOR	HW	HOT WATER	PTD	PAPER TOWEL DISPENSER	WDW	WINDOW
CONST	CONSTRUCTION	IBC	INTERNATIONAL BUILDING CODE	PTR	PAPER TOWEL RECEPTOR	WG	WIRE GLASS
CONT	CONTINUOUS OR CONTINUE	ID	INSIDE DIAMETER	PWC	POLYVINYL CHLORIDE	WH	WALL HUNG
CORR	CORRIDOR	INCL	INCLUDED	PWD	PLYWOOD	WM	WIRE MESH
CP	CONCRETE PIPE	INV	INVERT ELEVATION	QT	QUARRY TILE	W/O	WITHOUT
CTR	COUNTER/CENTER	IN	INCH	QTY	QUANTITY	WP	WATER-PROOFING
CU	CUBIC	INFO	INFORMATION	R	RISERS	WR	WATER REPELLENT
CW	COLD WATER	INSUL	INSULATION	RA	RETURN AIR	WSCT	WAINSCOT
		INT	INTERIOR	RAD	RADIUS	WT	WEIGHT
DBL	DOUBLE	INTER	INTERMEDIATE	RC	RESILIENT CHANNEL	WW	WALL-TO-WALL
DEMO	DEMOLISH, DEMOLITION	JAN	JANITOR	RD	ROOF DRAIN	WWF	WELDED WIRE FABRIC
DF	DRINKING FOUNTAIN	JST	JOIST	REF	REFERENCE	YD	YARD
DIA	DIAMETER	JT	JOINT	REFRIG	REFRIGERATOR		
DIM	DIMENSION	KD	KNOCK DOWN	REINF	REINFORCE(D)		
DISP	DISPENSER	KSI	KIPS PER INCH	REQTS	REQUIREMENTS		
DN	DOWN	KIT	KITCHEN	REQ'D	REQUIRED		
DR	DOOR	KO	KNOCK OUT	RES	RESILIENT		
DS	DOWN SPOUT	KP	KICK PLATE	REV	REVISION(S), REVISED		
DTL	DETAIL	L	LONG	RH	RIGHT HAND		
DWG	DRAWING	LBS	POUNDS	RM	ROOM		
DWR	DRAWER	LLV	LONG LEG VERTICAL	RO	ROUGH OPENING		
(E)	EXISTING	LAB	LABORATORY	ROW	RIGHT-OF-WAY		
EA	EACH	LAM	LAMINATE	SBC	STANDARD BUILDING CODE		
EIFS	EXTERIOR INSULATION FINISH SYSTEM	LAV	LAVATORY	SC	SOLID CORE		
ELEC	ELECTRICAL	LF	LINEAL FEET	SCH	SCHEDULE		
ELEV	ELEVATION	LH	LEFT HAND	SD	STORM DRAIN		
EMERG	EMERGENCY	LOC	LOCATION	SEC	SECTION		
ENCL	ENCLOSURE	LOC'S	LOCATIONS	SP	SQUARE FEET		
ENG	ENGINEER	LP	LOW POINT	SGT	STRUCTURAL GLAZED TILE		
E.O.S.	EDGE OF SLAB	LVR	LOUVER				
EQ	EQUAL						
EQUIP	EQUIPMENT						
ES	EACH SIDE						
ETR	EXISTING TO REMAIN						

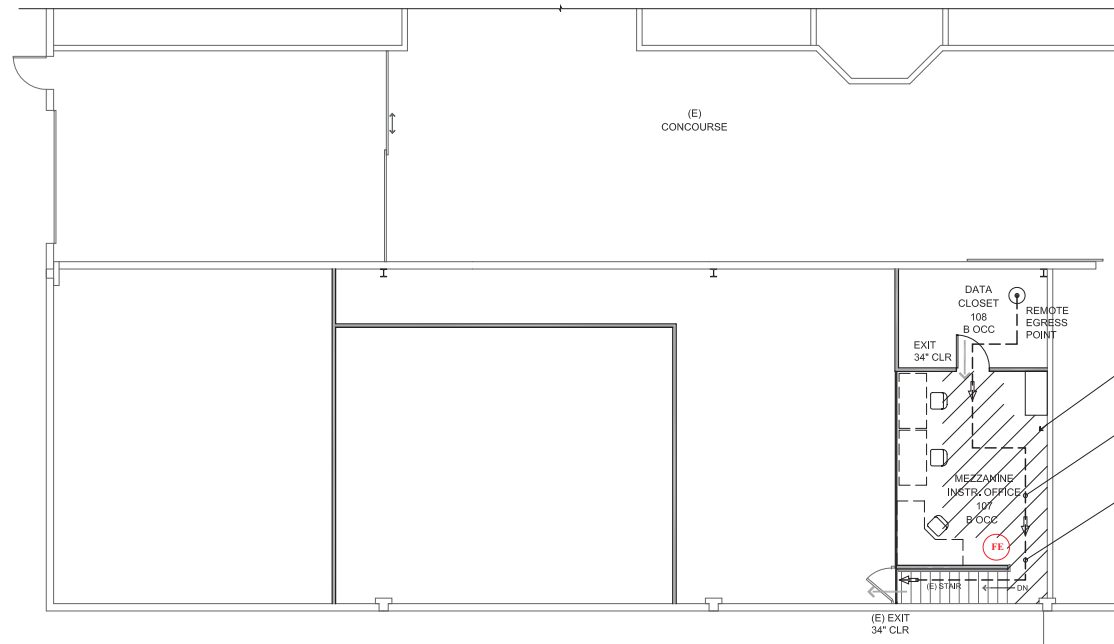
### ARCHITECTURAL SYMBOLS



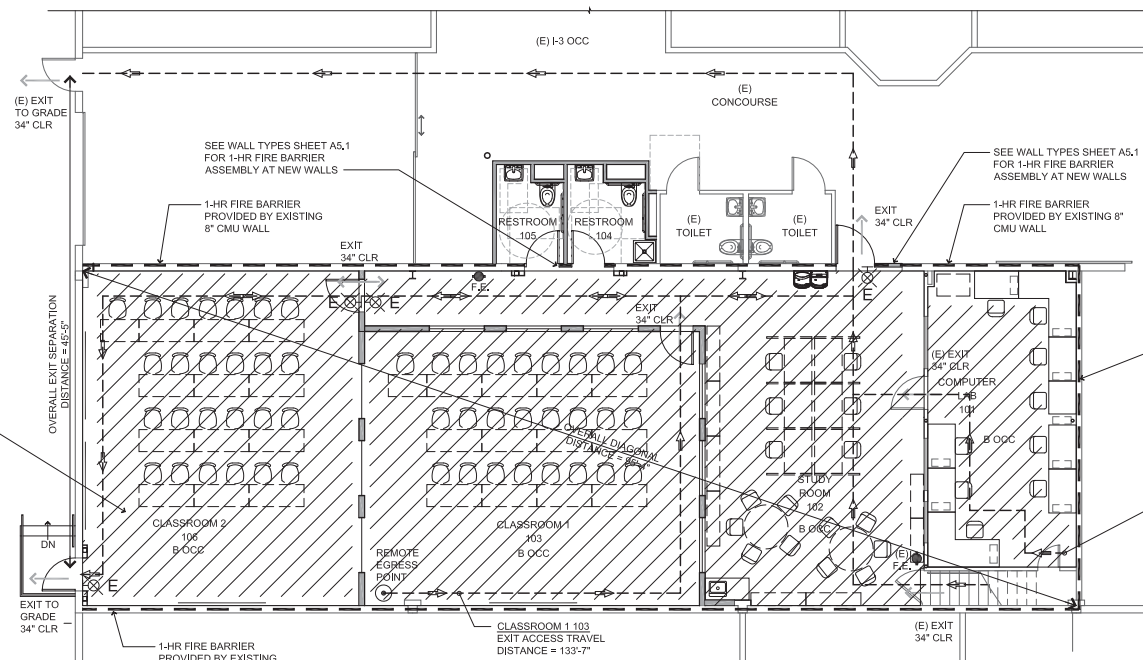
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PROJECT DATA  
ABBREVIATIONS  
AND SYMBOLS

DATE  
04/23/19  
REVISED DATE  
SHEET  
G0.1



**2**  
G2.1 OCCUPANCY LOAD & EXITING MEZZANINE PLAN  
SCALE: 1/8"=1'-0"



**1**  
G2.1 OCCUPANCY LOAD & EXITING PARTIAL FIRST FLOOR PLAN  
SCALE: 1/8"=1'-0"

**CROSS HATCHED AREAS - PATH OF EGRESS:**

THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE (11 lux) AT THE FLOOR LEVEL PER OSSC SEC. 1006.2. PATH OF EGRESS WIDTHS SHALL BE PER OSSC SEC. 1005.1 & SEC. 1017.2.

DATA CLOSET 108  
COMMON PATH OF TRAVEL  
DISTANCE = 46'-10"

DATA CLOSET 108  
EXIT ACCESS TRAVEL  
DISTANCE = 170'-4"

**CROSS HATCHED AREAS - PATH OF EGRESS:**

THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE (11 lux) AT THE FLOOR LEVEL PER OSSC SEC. 1006.2. PATH OF EGRESS WIDTHS SHALL BE PER OSSC SEC. 1005.1 & SEC. 1017.2.

**LEGEND**

- EXIT SIGN
- FIRE EXTINGUISHER REMAIN OR BE RELOCATED, SEE DEMO PLAN AND FLOOR PLAN
- EXIT ROUTE
- REMOTE EGRESS POINT
- 1-HR FIRE BARRIER OCCUPANCY SEPARATION

**NOTE:**  
THIS PLAN IS FOR CODE PURPOSE ONLY

**NOTE:**  
THIS BUILDING IS TO BE EQUIPPED WITH A SPRINKLER SYSTEM

REMODEL AREA OCCUPANT LOAD / EXITING SCHEDULE							
OCCUPANCY BY GROUP	FUNCTION OF SPACE TABLE 1004.1.2	RM. NO.	FLOOR AREA PER OCC.	OCCUPANCY		EXITS	
				AREA (SQ. FT.) (G) - GROSS (N) - NET	OCCUP. LOAD	REQ'D	PROVIDED
GROUP B OCC	VOCATIONAL AREA	COMPUTER LAB 101	50	362 SQ. FT (N)	8	1	1
GROUP B OCC	EDUCATIONAL AREA	STUDY ROOM 102	50	760 SQ. FT (N)	16	2	2
GROUP B OCC	CLASSROOM AREA	CLASSROOM 103	20	774 SQ. FT (N)	39	2	2
GROUP B OCC	CLASSROOM AREA	CLASSROOM 106	20	774 SQ. FT (N)	39	2	2
GROUP B OCC	BUSINESS AREA	MEZZ, OFFICE 107	100	243 SQ. FT (N)	3	1	1
GROUP B OCC	EQUIPMENT AREA	DATA CLOSET 108	300	121 SQ. FT (G)	1	1	1
REMODEL AREA OCCUPANT LOAD:					106		



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OCCUPANCY LOAD  
EXITING PLANS

DATE  
04/23/19

REVISED DATE

SHEET

G2.1



CONTRACTOR DEMOLITION PLAN NOTES:

- A. THE CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH THE JOB SITE AND WITH EXISTING CONDITIONS WHICH MAY IMPACT THE WORK.
- B. THE CONTRACTORS SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL PAY ALL REQUIRED FEES FOR THE WORK.
- C. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.
- D. CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES CONCERNING DEMOLITION OPERATIONS AND REFUSE REMOVAL AND DISPOSAL. CONTRACTOR TO PAY ALL DUMPING FEES.
- E. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE SITE AND SHALL NOTIFY THE OWNERS PROJECT MANAGER IMMEDIATELY OF ANY UNCERTAINTIES OR DISCREPANCIES.
- F. DO NOT CLOSE OR OBSTRUCT PEDESTRIAN OR VEHICULAR ACCESS EXCEPT WHERE AUTHORIZED OR INDICATED ON THE DRAWINGS.
- G. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADING NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WHO ENTER AREAS ADJACENT TO THE DEMOLITION AREA DURING CONSTRUCTION.
- H. THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THE WORK. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, AND RUBBISH FROM AND ABOUT THE PROJECT AS WELL AS ALL TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY.
- I. PROVIDE PROTECTION AND CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY OR DAMAGE TO PERSONS OR PROPERTY.
- J. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF EXISTING ROOF STRUCTURE DURING DEMOLITION AND CONSTRUCTION OF NEW BEARING WALL FRAMING.
- K. ALL ITEMS TAKEN OUT DURING DEMOLITION NOT TO BE SALVAGED FOR OWNER OR REUSED IN THE WORK SHALL BE REMOVED FROM THE PROPERTY.
- L. ALL SURPLUS EQUIPMENT AND MATERIALS ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE DISPOSAL OF ANY AND ALL SURPLUSES.
- M. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE O.C.S.H.A. STANDARDS BOTH FOR ALL EMPLOYEES AND THE GENERAL PUBLIC.
- N. PRIOR TO BEGINNING ANY DEMOLITION, A SURVEY OF THE PROPOSED DEMOLITION SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE CONNECTIONS, AND AS BUILT CONDITIONS OF THE AREA TO BE DISMANTLED. THE CONTRACTOR SHALL NOTIFY THE OWNERS PROJECT MANAGER PRIOR TO PROCEEDING WITH DEMOLITION OF ANY CONDITION WHICH MIGHT CAUSE THE COLLAPSE OF ANY PORTION OF THE BUILDING OR POSE A DANGER TO PUBLIC SAFETY.
- O. REMOVE EXISTING PLUMBING, ELECTRICAL AND MECHANICAL IN DEMOLISHED WALLS, NOTE THE FOLLOWING ITEMS.
  - 1. REMOVE / CAP ALL PLUMBING PIPING BELOW FINISH FLOOR LINE AS REQUIRED.
  - 2. REMOVE ALL ABANDONED ELECTRICAL LINES BACK TO PANEL.
- P. DETERMINE IF ANY TYPE OF HAZARDOUS CHEMICALS, FLAMMABLE MATERIALS OR SIMILAR DANGEROUS SUBSTANCE, INCLUDING ASBESTOS, HAVE BEEN USED IN ANY PIPES, WHEN THE PRESENCE OF SUCH SUBSTANCE IS APPARENT OR SUSPECT. TESTING AND PURGING SHALL BE PERFORMED AND THE HAZARD ABATED, REMOVED, OR ELIMINATED BY APPROVED HAZ. MAT. CONTRACTORS BEFORE DEMOLITION STARTS OR CONTINUES.
- Q. CONTRACTOR SHALL MAINTAIN MINIMAL LIGHTING IN DEMO SPACES TO PREVENT INJURY OR HARM.
- R. EXISTING WALLS TO REMAIN SHALL BE REPAIRED AND REFINISHED AS REQUIRED TO PROVIDE A UNIFORM SURFACE, MATCHING ADJACENT NEW SURFACES FOR THE APPLICATION OF NEWLY INDICATED FINISHES.
- S. THE PUBLIC SHALL BE PROTECTED FROM DEMOLITION MATERIAL, DUST, FUMES, ETC. BY BARRIERS AND/OR PLASTIC SHEETS AS REQUIRED, DEMOLITION WORK SHALL CEASE IF THE PUBLIC IS ENDANGERED IN ANY WAY.
- T. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AT THE SITE WORK AREA, PROTECT THEM FROM DAMAGE, AND REPORT ANY DISCREPANCIES TO THE OWNERS PROJECT MANAGER PRIOR TO CONSTRUCTION.
- U. IF DEMOLITION WORK RESULTS IN CONDITIONS THAT BREACH THE BUILDING ENVELOPE PRIOR TO THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PROVIDE TEMPORARY CLOSER OF THE BUILDING ENVELOPE TO RETAIN HEAT AND PREVENT DAMAGE TO THE INTERIOR OF THE BUILDING FROM THE ELEMENTS.
- V. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THE SPECIFIED AREAS, ALL DEMO WORK IS NOT DETAILED ON THESE DRAWINGS, REMOVAL AND RELOCATION OF SOME EXISTING ELECTRICAL WORK SHALL BE NEEDED FOR SATISFACTORY PERFORMANCE OF THIS AND OTHER TRADES, PROPOSALS SHALL INCLUDE CONSIDERATIONS FOR ANY AND ALL REQUIRED CHANGES, THE INTENT OF THIS DRAWING IS TO RELATE THE GENERAL EXTENT OF DEMO REQUIRED AND NOT TO INDICATE ALL DEVICES, REMOVALS, RECONNECTIONS, OR ADDITIONAL WORK REQUIRED.
- W. WHERE AN EXISTING FIXTURE OR DEVICE IS REMOVED BUT THE CIRCUIT(S) AND BOX ARE TO REMAIN TO MAINTAIN CIRCUIT CONTINUITY, THEN THE CONTRACTOR IS TO PROVIDE AN APPROPRIATE BLANK COVER PLATE ON THE BOX TO MATCH THE COVER PLATES ON ADJACENT DEVICES IN THE AREA.

**LEGEND**

EXISTING CONSTRUCTION TO REMAIN

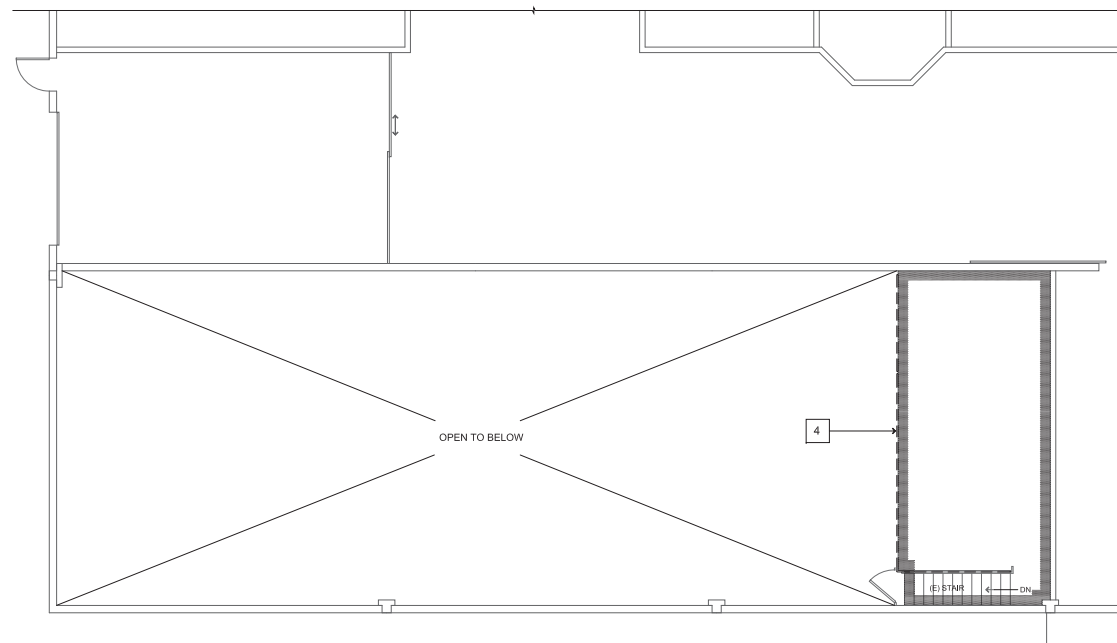
EXISTING CONSTRUCTION TO BE REMOVED

SAW CUT SLAB AS REQUIRED FOR PLACEMENT OF NEW PLUMBING FIXTURES / PIPING, BACKFILL W/ COMPACTED GRANULAR FILL AND CONC. TO MATCH EXIST. SLAB THICKNESS AFTER PLUMBING PLACEMENT. VERIFY LOCATION OF SANITARY SEWER, NOTIFY OWNERS PROJECT MANAGER PRIOR TO SAW CUTTING. SEE STRUCT. DRWGS. FOR ADDL. INFO. SLOPE FLOOR TO FLOOR DRAINS.

FLOORING:  
REMOVE FLOORING AND RELATED WALL BASE IN THEIR ENTIRETY. PREPARE FLOOR AS REQUIRED FOR RECEIVING NEW FLOOR FINISHES.

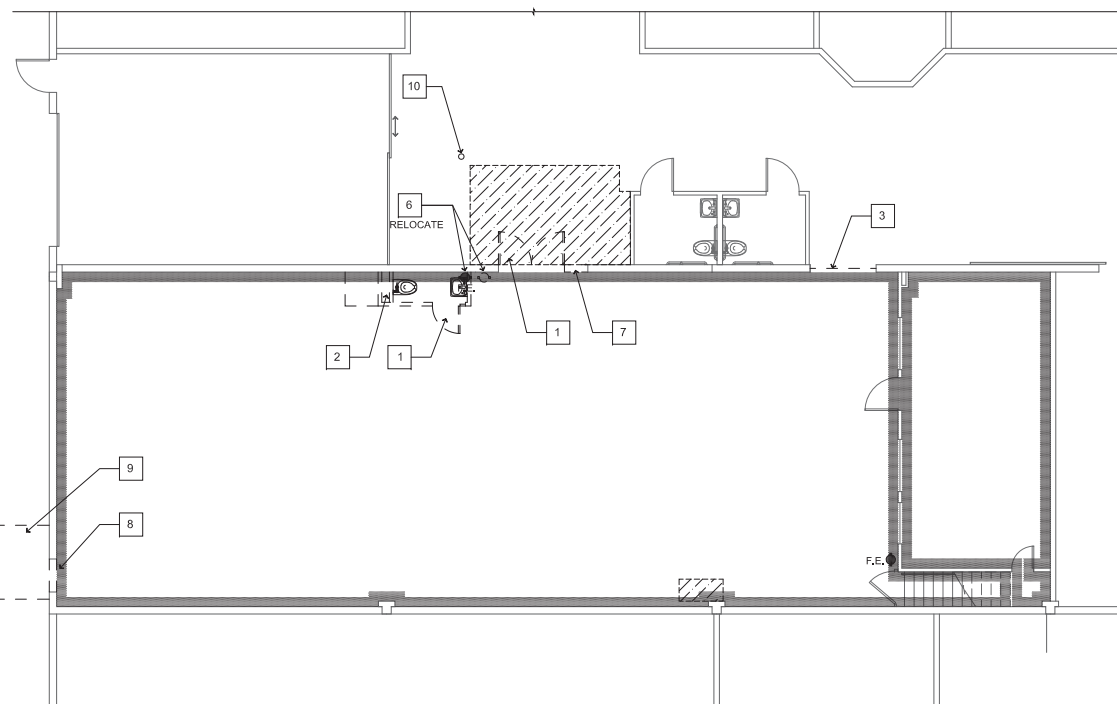
DEMOLITION PLAN KEYNOTES

- 1 REMOVE DOOR/ FRAME/ TRIMS/ THRESHOLD AND ALL RELATED COMPONENTS IN THEIR ENTIRETY, VERIFY WITH OWNER DOOR AND FRAME TO BE SALVAGED.
- 2 REMOVE WALL AND CEILING FRAMING AND ALL RELATED COMPONENTS IN ITS ENTIRETY AT THE LOCATION SHOWN, PATCH AND PREPARE EXPOSED SURFACES TO RECEIVE NEW FINISHES.
- 3 REMOVE WINDOW/ FRAME AND ALL RELATED COMPONENTS IN ITS ENTIRETY, VERIFY WITH OWNER WINDOWS TO BE SALVAGED FOR OWNER USE, REMOVE SECTION OF WALL BELOW WINDOW, PATCH AND REPAIR WALL AS REQUIRED FOR NEW CMU WALL INFILL, SEE STRUCT. DRAWINGS FOR ADDITIONAL INFO.
- 4 REMOVE STEEL GUARDRAIL AND ALL RELATED COMPONENTS IN THEIR ENTIRETY IN PREPARATION FOR INSTALLATION OF FULL HEIGHT EXPANDED METAL SCREEN AND FRAME PER PLAN.
- 5 SAW CUT SLAB AS REQUIRED FOR PLACEMENT / CONNECTION OF NEW SANITARY SEWER, CONTRACTOR TO VERIFY LOCATION OF EXISTING SANITARY SEWER MAIN LINE PRIOR TO SAW CUTTING AND CONFIRM THAT THERE IS MIN. SLOPE SUFFICIENT FOR CONNECTING NEW SANITARY SEWER LINES TO EXISTING SEWER LINES, MINIMIZE CONCRETE OVER-CUTS WHERE CONCRETE WILL BE EXPOSED AS FLOOR FINISH - SEE PLUMBING DRAWINGS FOR ADDL. INFORMATION.
- 6 EXISTING FIRE EXTINGUISHER AND ASSOCIATED MOUNTING HARDWARE TO BE RELOCATED PER PLAN
- 7 REMOVE WALL AND ALL RELATED COMPONENTS IN ITS ENTIRETY AT THE LOCATION SHOWN, PATCH AND PREPARE EXPOSED SURFACES TO RECEIVE NEW FINISHES.
- 8 SAW CUT CONCRETE / CMU WALL AS REQUIRED FOR NEW DOOR OPENING, SEE STRUCTURAL DRWGS. FOR ADDL. INFO.
- 9 CONTRACTOR TO COORDINATE PRE-ENGINEERED / DESIGN BUILD METAL STAIR POST SUPPORT REQUIREMENTS, GENERAL CONTRACTOR TO PROVIDE SUBSURFACE POST SUPPORTS AS REQ'D, IF EXISTING ASPHALT PAVING REQUIRES CUTTING - PATCH / REPAIR WITH NEW AROUND STAIR POST SUPPORTS.
- 10 DEMO SLAB AS REQUIRED FOR NEW PIPE BOLLARD PER PLAN.



2 A2.1 SCALE: 1/4"=1'-0"

NOTE: SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION



1 A2.1 SCALE: 1/4"=1'-0"

GENERAL NOTES

- A. ALL EXPOSED SURFACES IN AREAS DISTURBED BY DEMOLITION SHALL BE ADEQUATELY PREPARED TO RECEIVE NEW MATERIALS AND FINISHES.
- B. UNLESS DETAILED OR SCHEDULED OTHERWISE, ALL INTERIOR AREAS AFFECTED BY DEMOLITION WORK SHALL BE PATCHED/AND OR REPAIRED TO MATCH EXISTING ADJACENT SURFACES AND FINISHES.
- C. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, CITY AND FEDERAL CODES, STANDARDS AND ORDINANCES.
- D. ALL WINDOWS/DOORS AND SALVAGEABLE EQUIPMENT AND MATERIALS TO BE STORED/DISPOSED AT OWNERS REQUEST.
- E. ALL ELIGIBLE DEMOLISHED MATERIALS ARE TO BE RECYCLED, COORDINATE WITH OWNER.
- F. REMOVE ALL ABANDONED THERMOSTATS AND CONTROLLERS FOR THE HVAC SYSTEM, PATCH WALLS AS REQUIRED.
- G. REMOVE ALL ABANDONED ELECTRICAL OUTLETS, SWITCHES, AND RELATED COMPONENTS IN AREAS OF DEMOLITION.
- H. CAP ALL ABANDONED PLUMBING PIPING BELOW FINISH FLOOR AND PATCH AS REQUIRED.
- I. DIMENSIONS SHALL BE FROM OUTSIDE FACE OF STUD FRAMING, UNLESS OTHERWISE NOTED/INDICATED.
- J. PROVIDE DUST TIGHT TEMPORARY CONSTRUCTION BARRIERS AS COORDINATED W/ OWNER.
- K. DEMOLITION AND CONSTRUCTION SHALL NOT DISTURB EXISTING FACILITY OPERATIONS. COORDINATE WITH OWNER.



INTERIOR REMODEL FOR  
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DEMOLITION  
FLOOR PLAN

DATE  
04/23/19

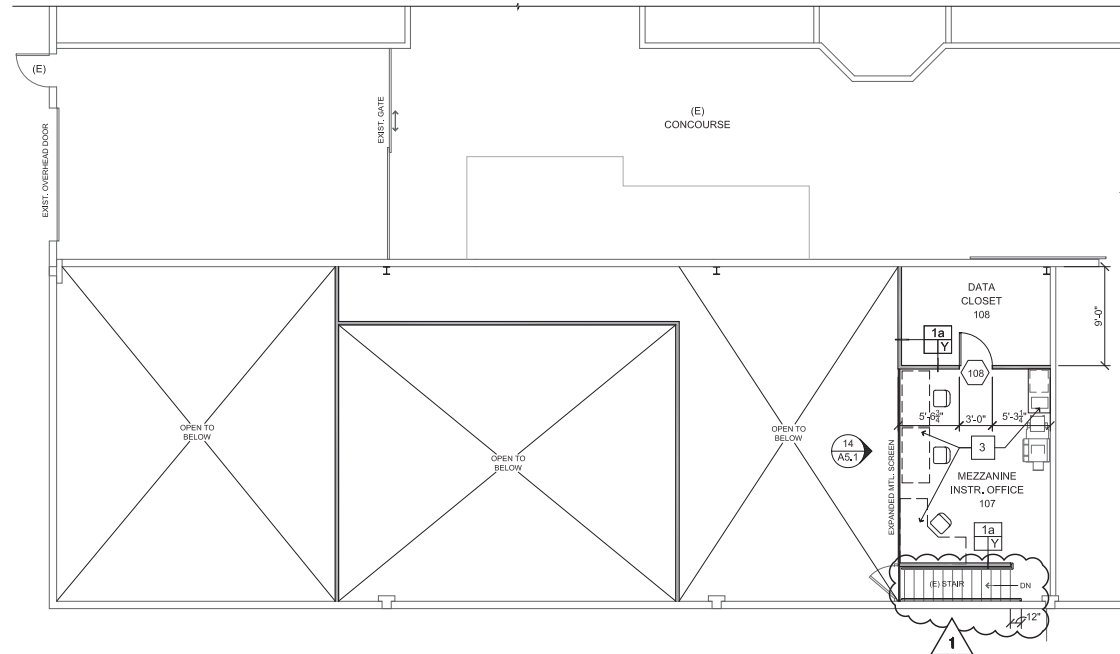
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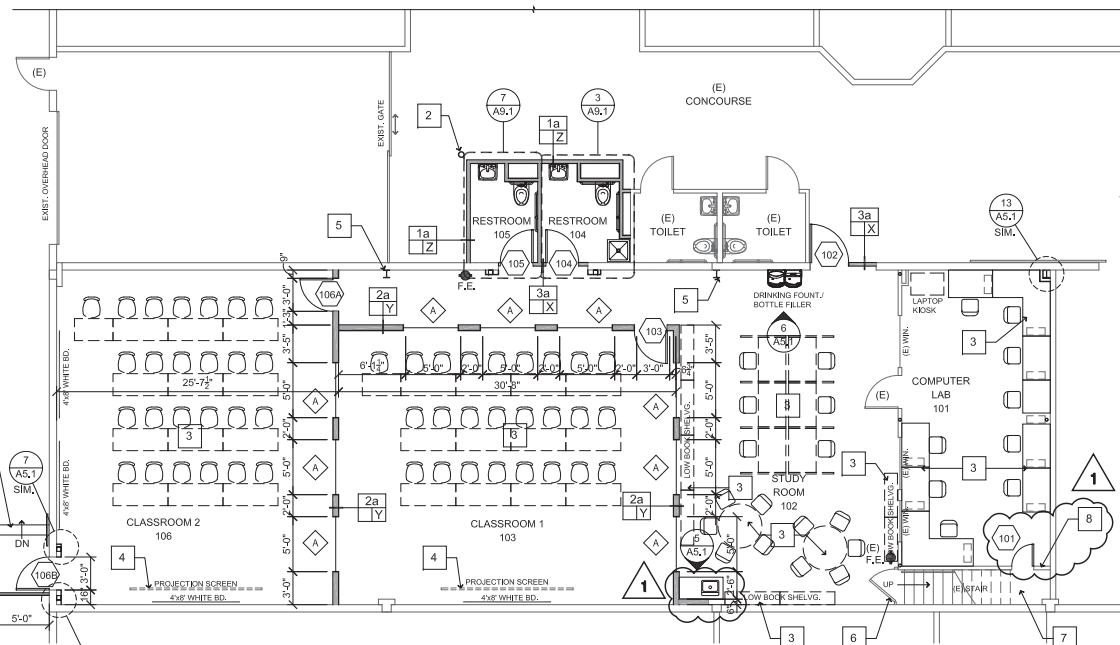
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




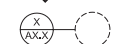



**MEZZANINE PLAN**  
SCALE: 1/8"=1'-0"



**PARTIAL FLOOR PLAN**  
SCALE: 1/8"=1'-0"

**LEGEND**

-  EXISTING CONSTRUCTION
-  NEW CONSTRUCTION
-  WALL TAG, SEE A5.1 FOR ASSEMBLY TYPES
-  DOOR TAG, SEE A8.1 FOR SCHEDULE AND HARDWARE
-  KEYNOTE TAG
-  WINDOW TYPES SEE SHEET A8.1
-  INTERIOR ELEVATION TAG
-  DETAIL / ENLARGED PLAN TAG
-  F.E.  
FIRE EXTINGUISHER REMAIN OR BE RELOCATED, SEE DEMO PLAN AND FLOOR PLAN

**FLOOR PLAN GENERAL NOTES**

1. ALL ELECTRICAL AND DATA OUTLETS TO BE MOUNTED 15" A.F.F. UNLESS OTHERWISE NOTED, (U.N.O.)
2. VERIFY LOCATION OF ALL WD, 2X BLOCKING REQ'D. FOR OWNER EQUIPMENT, ACCESSORIES AND CASEWORK
3. ALL DIMENSIONS TO FACE OF STUD, (U.N.O.)
4. OWNER TO REVIEW/ APPROVE CASEWORK DRAWINGS PRIOR TO FABRICATION.
5. ALL JAMB FRAMING AT HINGE SIDE OF DOOR TO BE 4" (U.N.O.)
6. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR QUESTIONABLE DIMENSIONS FOR CLARIFICATION PRIOR TO PROCEEDING WITH AREA OF REQUIRED WORK.
7. VERIFY CASEWORK REQUIREMENTS AND FINISHES WITH OWNER.
8. VERIFY WITH OWNER LOCATION OF PHONE/ DATA BOARDS, PROVIDE 3/4" PAINTED PLYWOOD AS REQ'D.
9. SEE SHEET G2.1 AND FOR FIRE EXTINGUISHER LOCATIONS, VERIFY APPROVED LOCATIONS WITH FIRE MARSHAL PRIOR TO INSTALLATION.
10. VERIFY INTERIOR FINISHES WITH OWNER.

**FLOOR PLAN KEYNOTES:**

- 1 PRE-ENGINEERED DESIGN / BUILD EXTERIOR STEEL STAIRS, PROVIDE SLIP RESISTANT LANDING AND TREAD SURFACE, ALL STAIR COMPONENTS TO BE POWDER COATED.
- 2 6" STEEL BOLLARD, PAINT FOR VISIBILITY AS DIRECTED BY OWNER, SEE DETAIL 8/A5.1.
- 3 FURNITURE BY OWNER / INSTALLED BY OWNER.
- 4 PROJECTION SCREEN BY OWNER / INSTALLED BY CONTRACTOR.
- 5 EXISTING STRUCTURAL COL.
- 6 EXISTING METAL DOOR.
- 7 EXISTING STORAGE ROOM UNDER STAIRS, ALL WALLS / CEILING ARE FIRE TAPED, CONTRACTOR TO VERIFY THE FOLLOWING 1-HR CONSTRUCTION AT THE SOFFIT BELOW THE STAIR, (1) LAYER OF 5/8" TYPE 'X' GYP AND (1) LAYER OF 1/2" TYPE 'X' GYP OR (2) LAYERS OF 5/8" TYPE 'X' GYP. IF THE ABOVE DESCRIBED 1-HR CONSTRUCTION DOES NOT EXIST THEN IT SHALL BE INSTALLED AND FIRE TAPED.
- 8 CONTRACTOR TO VERIFY THE WALL CONSTRUCTION UNDER THE STAIR TO BE OF 1-HR CONSTRUCTION, IF 5/8" TYPE 'X' GYP DOES NOT EXIST ON EACH SIDE OF THE WALL, CONTRACTOR IS TO INSTALL (1) LAYER OF 5/8" TYPE 'X' GYP ON EACH SIDE TO PROVIDE 1-HR CONSTRUCTION.

PRE-ENGINEERED / DESIGNED STEEL STAIR SYSTEM, INCLUDING DETAILING IS TO BE PER STAIR MANUFACTURERS / INSTALLERS SPECIFICATIONS. THE STAIR SHALL BE WARRANTED AS A COMPLETE WEATHER TIGHT SYSTEM INCLUDING MOISTURE PENETRATION, STAIR DETAIL REPRESENTATIONS ON THESE DOCUMENTS ARE FOR LOCATION AND AESTHETIC EFFECT ONLY AND ARE NOT INTENDED AS APPLICATION DETAILS. MANUFACTURER AND INSTALLER ARE RESPONSIBLE FOR JOINT, FLASHING, CONNECTIONS TO DISSIMILAR MATERIALS AND ALL OTHER APPLICATION AND CONNECTION DETAILS NEEDED FOR PRODUCT PERFORMANCE AS A COMPLETE STRUCTURAL SYSTEM MEETING ALL BUILDING / ADA CODES.







**INTERIOR REMODEL FOR**  
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**FLOOR PLAN**

DATE  
04/23/19  
REVISED DATE  
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SHEET  
A3.1

CEILING PLAN LEGEND:

-  EXISTING STEEL BEAM AND METAL DECK ROOF STRUCTURE
-  NEW 5/8" GYP. BD, CEILING ATTACHED TO METAL CEILING JOISTS - SEE STRUCT. DRWGS, FOR ADDL. INFO.
-  BOTTOM OF CEILING/ SOFFIT ABOVE FINISH FLOOR 0'-0"
-  LIGHTING FIXTURE LOCATIONS FOR REFERENCE

CEILING PLAN KEYNOTES:

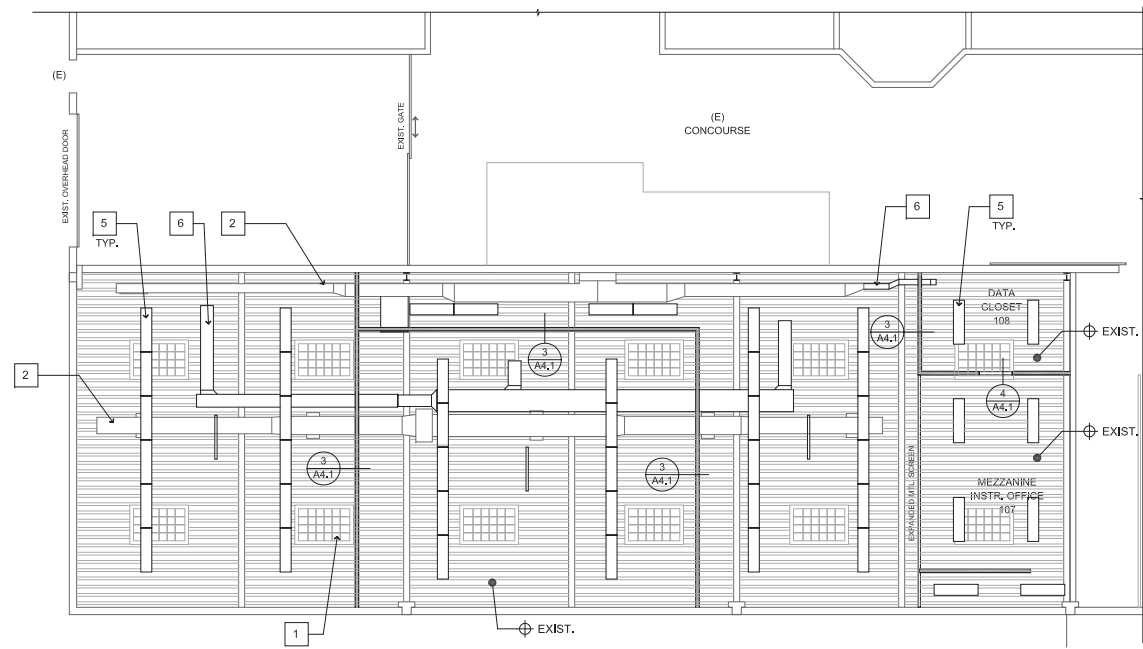
- 1 EXISTING SKYLIGHT TO REMAIN.
- 2 EXISTING HVAC DUCTWORK TO REMAIN - SEE MECHANICAL DRWGS, FOR ADDL. INFO.
- 3 EXISTING JOISTS AND FLOOR / CEILING STRUCTURE OF MEZZANINE
- 4 OPEN TO EXISTING CEILING ABOVE
- 5 NEW SUSPENDED LIGHT FIXTURES PER ELECTRICAL DRWGS.
- 6 NEW DUCTWORK PER MECHANICAL DRWGS.
- 7 EXISTING CEILING TO REMAIN

SOUND BATT CEILING INSULATION NOTE:

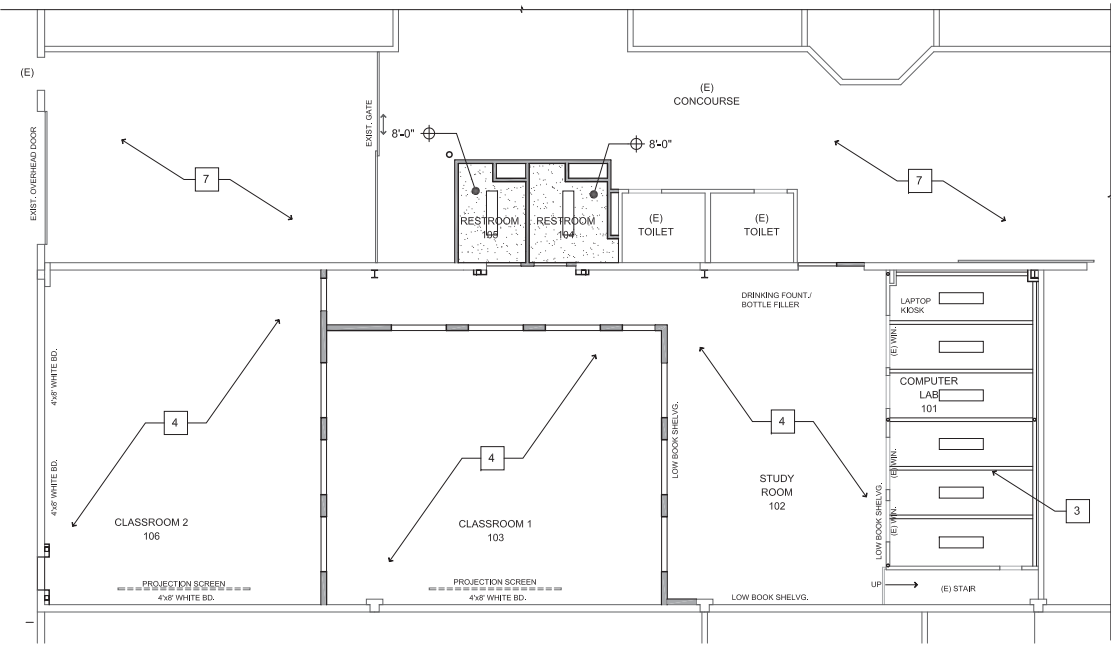
PROVIDE 12" SOUND INSULATION IN CEILING. PLACE INSULATION TIGHT TO PERIMETER WALLS IN THE FOLLOWING ROOMS:  
RESTROOM 104, RESTROOM 105  
INSULATION: OWENS CORNING SONOBATT INSULATION.

NOTE:  
SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR TO NOTIFY OWNERS PROJECT MANAGER OF ANY FIELD DISCREPANCIES.

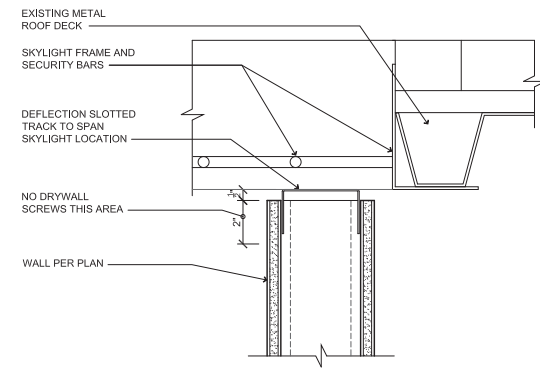
NOTE:  
SEE H.V.A.C. DRAWINGS FOR LOCATIONS OF ALL GRILLES AND DUCTWORK, MECHANICAL CONTRACTOR TO COORDINATE LOCATION OF GRILLES AND DUCTWORK WITH THE ELECTRICAL LIGHTING PLAN, NOTIFY OWNERS PROJECT MANAGER OF ANY FIELD DISCREPANCIES.



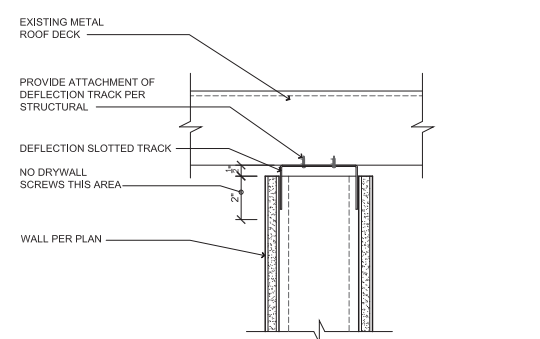
2 UPPER LEVEL REFLECTED CEILING PLAN  
SCALE: 1/8"=1'-0"



1 LOWER LEVEL REFLECTED CEILING PLAN  
SCALE: 1/8"=1'-0"



4 DEFLECTION TRACK (AT ROOF STRUCTURE)  
SCALE: 3"=1'-0"



3 DEFLECTION TRACK (AT ROOF STRUCTURE)  
SCALE: 3"=1'-0"



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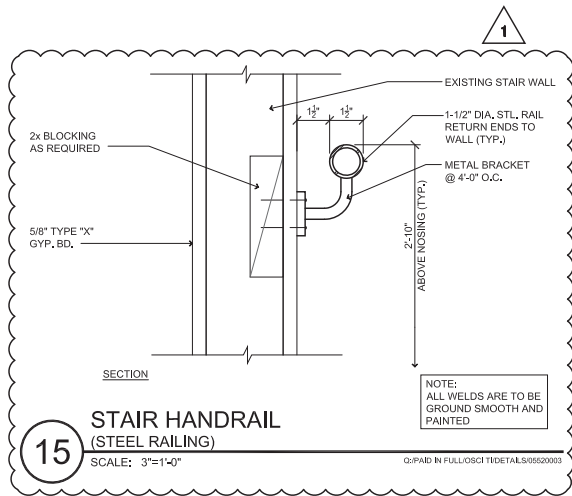
REFLECTED  
CEILING PLAN

DATE  
04/23/19

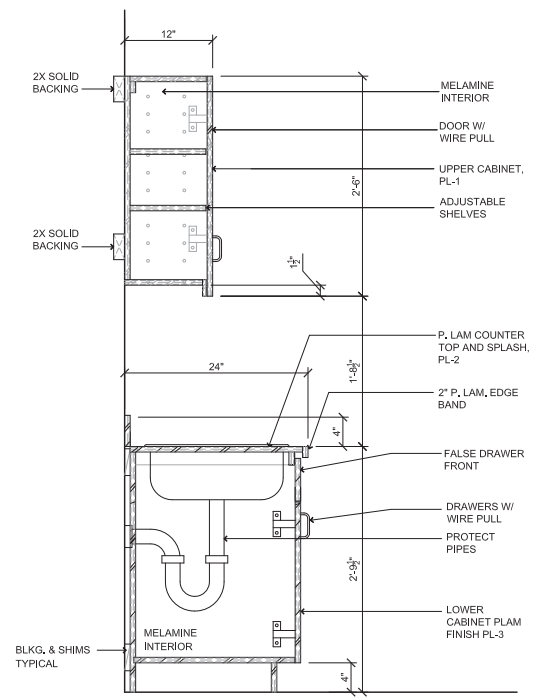
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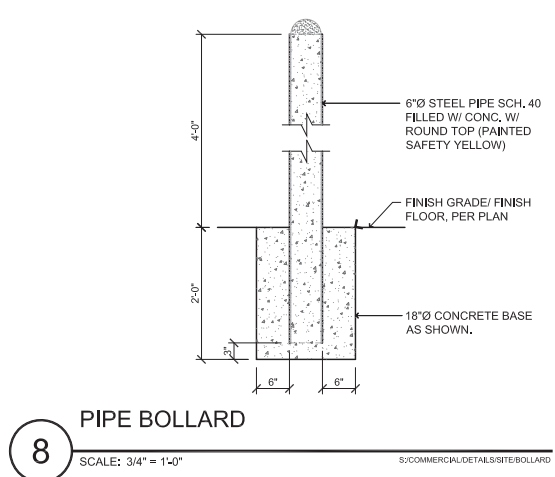
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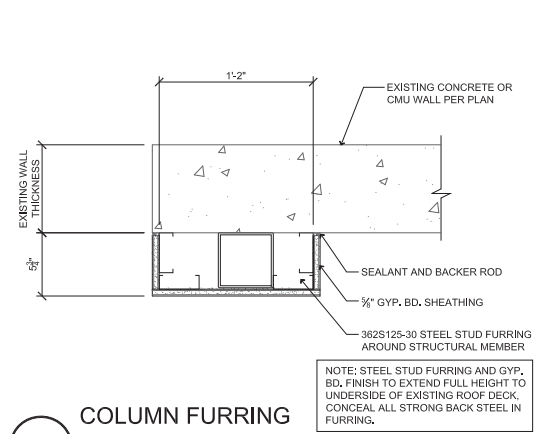
**15** STAIR HANDRAIL (STEEL RAILING)  
SCALE: 3/4" = 1'-0"



**11** COFFEE CASEWORK  
SCALE: 1" = 1'-0"



**8** PIPE BOLLARD  
SCALE: 3/4" = 1'-0"



**7** COLUMN FURRING  
SCALE: 1-1/2" = 1'-0"

**NOTE:**  
ALL ASSEMBLIES THIS SHEET MUST BE INSTALLED PER ASSEMBLY NUMBER LISTED ON DRAWINGS. ANY SUBSTITUTIONS TO ASSEMBLIES MUST BE SUBMITTED TO ARCHITECT AND OWNERS PROJECT MANAGER FOR REVIEW AND APPROVAL. SUBJECT TO LOCAL APPROVAL.

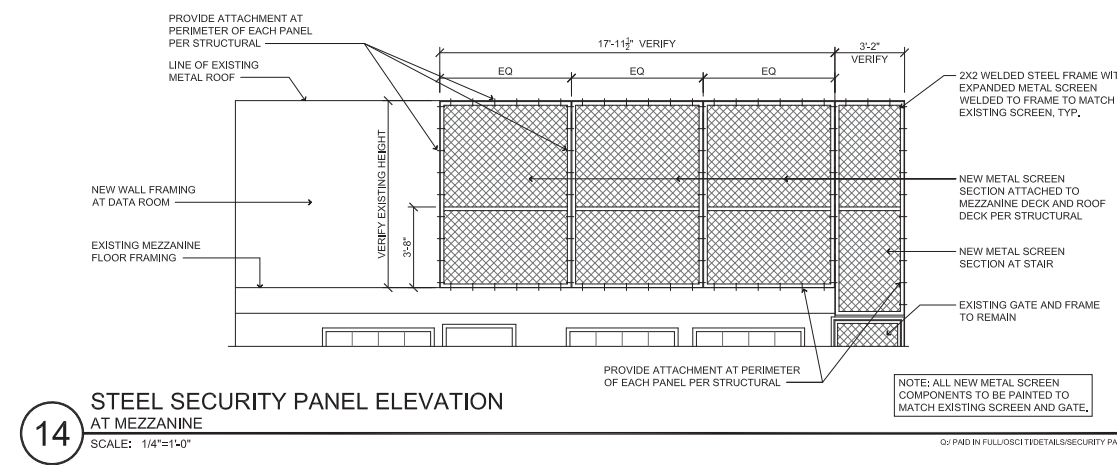
**JOINTS BETWEEN GYPSUM BOARDS IN SYSTEMS RATED FOR FIRE, SOUND, OR SHEAR MUST BE CONSTRUCTED WITH THE GYPSUM BOARD EDGES IN MODERATE CONTACT. MODERATE CONTACT MEANS THAT THE EDGES ARE ESSENTIALLY TOUCHING EACH OTHER. IT IS POSSIBLE FOR THE GYPSUM BOARD EDGES TO BE IN MODERATE CONTACT YET NOT TOUCH ALONG THE ENTIRE LENGTH OF THE JOINT. THEREFORE, IN GYPSUM BOARD SYSTEMS RATED FOR FIRE, SOUND, OR SHEAR, SMALL GAPS SPACED SPORADICALLY ALONG THE JOINT ARE ACCEPTABLE AS LONG AS THE BOARD EDGES ARE ESSENTIALLY TOUCHING ONE ANOTHER. GAPS UP TO 1/4" MUST BE FILLED WITH A THROUGH-PENETRATION SEALANT (FIRE CAULK). GAPS OVER 1/4" ARE NOT ACCEPTABLE.**

**WALL TYPE GENERAL NOTES:**

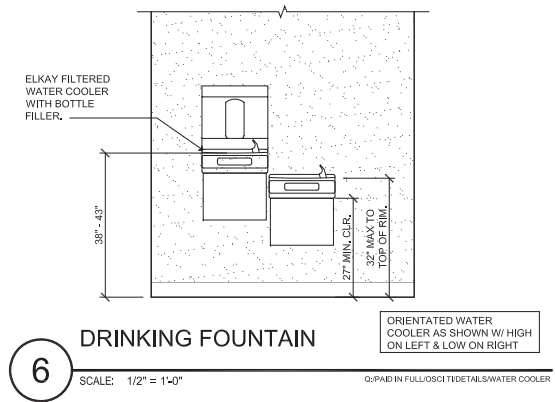
- PROVIDE MOISTURE/ MOLD RESISTANT GYP. BD. ON ALL WALLS EXPOSED TO MOISTURE & BEHIND ALL PLUMB, FIXTURES.
  - VERIFY W/ TENANT WHICH WALLS ARE TO HAVE SOUND BATT INSULATION U.O.N.
  - TYPE 'X' GYP. BOARD IS NOT FOR "FIRE RATING PROTECTION" U.O.N.
  - EXTEND SOUND BATT INSULATION IN WALLS TO TOP OF STUD WALLS U.O.N.
  - LIGHT GAUGE FRAMING INSTALLER / CONTRACTOR TO CONFIRM GAUGE FOR STUD FRAMING. LIGHT GAUGE STUD FRAMING HEIGHTS NOT TO EXCEED MAX. WALL HEIGHT BASED ON GAUGE THICKNESS.
  - SSMA 360, S, 125, - 43  
MTRL THICKNESS  
FLANGE WIDTH  
STYLE  
MEMBER DEPTH  
STEEL STUD MFR. ASSOCIATION
  - ALL INTERIOR FINISH TYPES AND LOCATIONS TO BE VERIFIED WITH BUILDING OWNER PRIOR TO ORDERING.
  - PROVIDE WOOD BLOCKING IN WALLS AS REQ'D. FOR INSTALLATION OF ANY WOOD CHAIR RAILS, BASE, PANELING, CROWN MOLDING, SHELVING AND ANY RUNNING TRIMS REQ'D. BY TENANT.
  - ALL NEW NON-FULL HEIGHT INTERIOR PARTITION WALLS SHALL BE BRACED TO THE FLOOR/CEILING STRUCTURE PER BRACE DETAIL.
  - INSULATION:  
ALL INSULATION MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR BARRIERS OR BREATHER PAPERS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS, SHALL HAVE A FLAME-SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH IBC, CHAPTER 8.
  - WHERE APPLICABLE WHEN SUCH MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPE V CONSTRUCTION AND ARE PROVIDED SO THAT THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH, THE FLAME-SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS.
  - ALL "O.C." MTL. STUD SPACING FOR WALLS THAT ARE TO RECEIVE CERAMIC TILE TO BE A MAX 16" O.C.
  - AT FULL HEIGHT FRAMED WALLS, EXTEND GWB, 6" ABOVE FINISH CEILING HEIGHT UNLESS OTHERWISE NOTED
  - WHERE CERAMIC TILE OCCURS ON WALLS, REPLACE 5/8" GYP. WALL BOARD W/ 5/8" CEMENTITIOUS BACKER BOARD. TILE WALL APPLICATION TO BE PER THE FOLLOWING:  
- CERAMIC TILE  
- DRYSET OR LATEX PORTLAND CEMENT BOND COAT  
- MEMBRANE (IN WET AREAS)
- IT WILL BE THE RESPONSIBILITY OF THE TILE SUB-CONTRACTOR/INSTALLER TO INSTALL ALL THE WALL TILES AS REQUIRED FOR PROPER INSTALLATION TO METAL STUD WALL ASSEMBLIES.

**WALL HEIGHTS:**

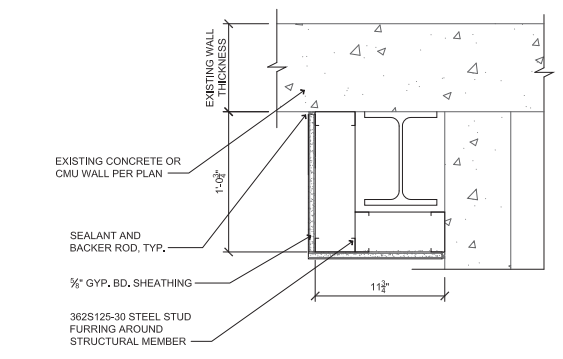
- X WALL UP TO UNDERSIDE OF EXISTING OR NEW WALL OPENING
- Y WALL UP TO UNDERSIDE OF ROOF DECKING OR FLOOR DECKING ABOVE.
- Z WALL UP TO NEW CEILING FRAMING SEE ELEVATION.



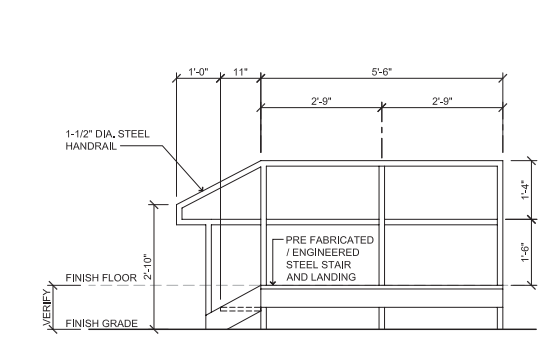
**14** STEEL SECURITY PANEL ELEVATION AT MEZZANINE  
SCALE: 1/4" = 1'-0"



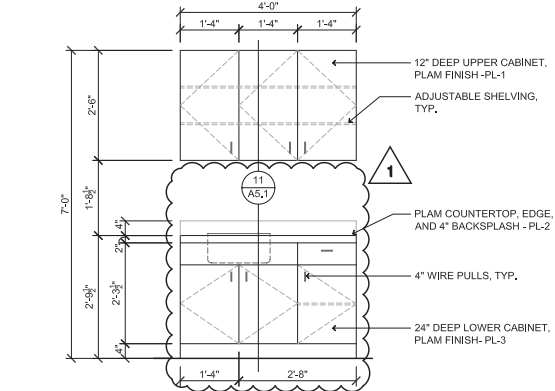
**6** DRINKING FOUNTAIN  
SCALE: 1/2" = 1'-0"



**13** COLUMN FURRING AT EXISTING WIDE FLANGE COL.  
SCALE: 1-1/2" = 1'-0"



**9** EXTERIOR STEEL STAIR  
SCALE: 1/2" = 1'-8"

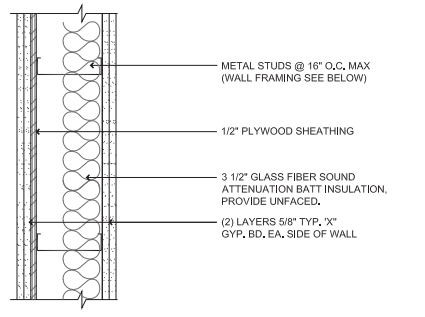


**5** COFFEE STATION CASEWORK ELEVATION  
SCALE: 1/2" = 1'-0"

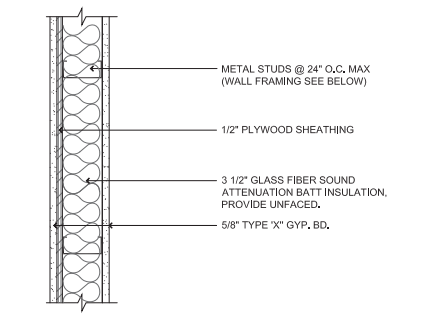
**703.7 Marking and identification.**  
Fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions or any other wall required to have protected openings or penetrations shall be effectively and permanently identified with signs or stenciling.

CONSTRUCTION ASSEMBLY	
UL DESIGN NO. U423	
NOTES	DESCRIPTION
1	3 5/8" METAL STUDS AT NOT TO EXCEED 24" O.C. U.O.N. MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, (18 GA STUDS @ 16" NOTED ON STRUCTURAL DRAWINGS)
2	ONE LAYER 5/8" TYPE "X" G.V.B. OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EA. SIDE OF 3 5/8" STEEL STUD AT 24" O.C. WITH 1-1/4" TYPE S DRYWALL SCREWS AT 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS.
3	3-1/2" MINERAL OR GLASS FIBER INSULATION
4	1/2" PLYWOOD SHEATHING
ACTUAL FIRE RESISTANCE RATING	
1 HOUR FIRE	

**3a** SSMA 362S125-43 - BEARING /1HR. RATED

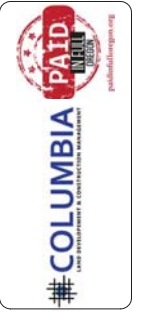


**2a** SSMA 600S125-30 - NON BR'G - STC -58  
DRYWALL JOINTS STAGGERED 24" ON EA. SIDE AND ON OPPOSITE SIDE



**1a** SSMA 362S125-30 - NON BR'G - STC -50  
DRYWALL JOINTS STAGGERED 24" ON EA. SIDE AND ON OPPOSITE SIDE

**1b** SSMA 362S125-30 - NON BR'G  
SAME AS WALL TYPE "1A" EXCEPT DELETE 5/8" TYPE "X" GYP AND 1/2" PLYWOOD SHEATHING LAYER ON CONCEALED SIDE OF WALL AND REMOVE SOUND BATT INSULATION



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**DETAILS**

DATE	04/23/19
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SHEET	A5.1



DOOR SCHEDULE															
NO.	ROOMNAME	DOOR INFORMATION						FRAME		DETAILS			HARDWARE GROUP		
		WIDTH	HEIGHT	THICK.	MATERIAL	FINISH	TYPE	GLAZING	TYPE	MATERIAL	GLAZING	SILL		HEAD	JAMB
101	COMPUTER LAB 101	7'-0"	7'-0"	1 3/4"	HM	PAINT	A	-	1	HM	-	9/A8,1	9/A8,1	5/A8,1	3
102	STUDY ROOM 102	7'-0"	7'-0"	1 3/4"	HM	PAINT	B	GL-1	1	HM	-	9/A8,1	9/A8,1	5/A8,1	1
103	CLASSROOM 1 103	3'-0"	7'-0"	1 3/4"	HM	PAINT	B	GL-1	1	HM	-	9/A8,1	9/A8,1	5/A8,1	1
104	RESTROOM 104	3'-0"	7'-0"	1 3/4"	HM	PAINT	A	-	1	HM	-	9/A8,1	9/A8,1	5/A8,1	2
105	RESTROOM 105	3'-0"	7'-0"	1 3/4"	HM	PAINT	A	-	1	HM	-	9/A8,1	9/A8,1	5/A8,1	2
106A	CLASSROOM 106	3'-0"	7'-0"	1 3/4"	HM	PAINT	B	GL-1	1	HM	-	9/A8,1	9/A8,1	5/A8,1	1
106B	CLASSROOM 106	3'-0"	7'-0"	1 3/4"	HM	PAINT	A	-	1	HM	-	14/A8,1	10/A8,1	6/A8,1	4
(E) 107	MEZZANINE CONST. OFFICE 107	EXISTING DOOR TO REMAIN													
108	DATA CLOSET 108	3'-0"	7'-0"	1 3/4"	HM	PAINT	A	-	1	HM	-	9/A8,1	9/A8,1	5/A8,1	3

**DOOR HARDWARE GROUPS:**  
SEE SPECIFICATION FOR MORE INFORMATION

GROUP-1	3 EA. BUTTS BB1279 4.5X4.5 NRP 652 HA	GROUP-3	3 EA. BUTTS BB1279 4.5X4.5 NRP 652 HA
	1 EA. LOCKSET 3470 WTN 626 HA		1 EA. LOCKSET 3480 WTN 626 HA
	1 EA. WALLSTOP 236W 630 HA		1 EA. WALLSTOP 236W 630 HA
GROUP-2	3 EA. BUTTS BB1279 4.5X4.5 NRP 652 HA	GROUP-4	3 EA. BUTTS BB1279 4.5X4.5 NRP 652 HA
	1 EA. PRIV. IND. 3796 WTN 626 HA		1 EA. LOCKSET 3495 WTN 626 HA
	1 EA. CLOSER 5100 MLT ALUM HA		1 EA. CLOSER 5100 MLT ALUM HA
	1 EA. KICK PL. 193S 10"X2" LDW 630 HA		1 EA. KICK PL. 193S 10"X2" LDW 630 HA
	1 EA. WALLSTOP 236W 630 HA		1 EA. FLR. STP. 252F 626 HA
	1 SET GASKET 726S CHAR HA		1 EA. THRSILD 417S ALUM HA
			1 EA. SWEEP 754SN ALUM HA
			1 EA. RAIN DRIP 810S ALUM HA
			1 SET GASKET 726S CHAR HA

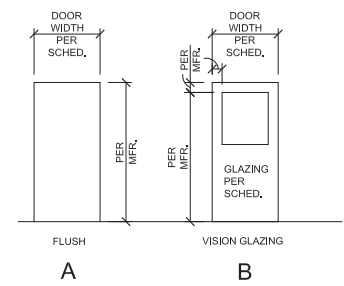
**NOTES:**

- HM - HOLLOW METAL
- S - SMOKE RATED
- 45 MIN. - 45 MIN. FIRE RATED DOOR

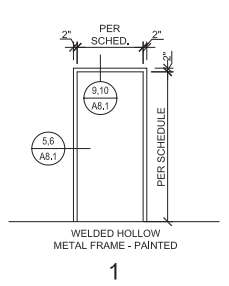
**DOOR HARDWARE GENERAL NOTES:**

- ALL INTERIOR DOORS TO HAVE LEVERS FOR ACCESSIBILITY.
- INTERIOR DOORS TO HAVE MAXIMUM EFFORT OF 15 LBS TO OPERATE, EXTERIOR DOORS: 8 1/2 LBS, FIRE RATED DOORS: 15 LBS, NON FIRE RATED DOORS 5LBS.
- REQUIRED EXIT DOORS TO BE OPERABLE FROM INSIDE WITHOUT USE OF A KEY
- HANDLES, PULLS, LOCKS AND OTHER OPERATING DEVICES ON DOORS, CABINETS, PLUMBING FIXTURES AND STORAGE FACILITIES SHALL HAVE LEVER OR OTHER SHAPE PERMITTING OPERATION NOT REQUIRING GRASPING, PINCHING OR TWISTING OF THE WRIST, THERE SHALL BE NO GREATER THAN 5 LBS FORCE (2,22N), DOORS SHALL COMPLY WITH OSSC, SECTIONS 1008.1.3, 1008.1.3.1 AND 1008.1.3.2
- ALL NONFERROUS HINGES TO BE STAINLESS STEEL.
- VERIFY DOOR TYPES W/ BUILDING OWNER PRIOR TO ORDERING.
- CONTRACTOR TO VERIFY WELDED HOLLOW METAL FRAME DOOR HEAD, JAMB AND SILL DETAILS WITH MFRS, DETAILS AND SPECIFICATIONS.
- ALL HINGE SETS AND STRIKE SETS TO HAVE CONCRETE BACKER BOXES AT FULLY GROUTED HOLLOW METAL FRAME LOCATIONS, VERIFY WITH OWNERS PROJECT MANAGER.
- ALL HOLLOW METAL DOORS TO HAVE REINFORCEMENT FOR ATTACHED CLOSERS.
- SEE "MINIMUM MANEUVERING CLEARANCES AT DOOR" THIS SHEET FOR ADDITIONAL INFORMATION, NOTIFY OWNERS PROJECT MANAGER IMMEDIATELY OF ANY DISCREPANCIES BEFORE PROCEEDING WITH AREA OF REQUIRED WORK.
- ALL DOOR HARDWARE ITEMS TO BE SPECIFIED BY THE DOOR HARDWARE SUPPLIER AND APPROVED BY THE BUILDING OWNER/ARCHITECT, ALL DOOR HARDWARE SHALL MEET REQUIREMENTS OF APPLICABLE BUILDING CODES.

**DOOR TYPES:**



**FRAME TYPES:**

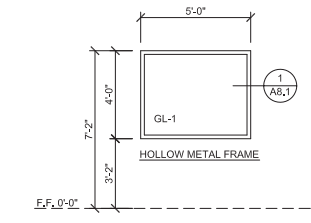


**GLAZING SCHEDULE NOTES:**

- PROVIDE TEMPERED GLAZING IN ALL DOOR LITES, ABOVE ALL DOOR OPENINGS AND FIXED PANELS ADJACENT TO DOORS WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24-INCH ARCH OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60-INCHES ABOVE THE WALKING SURFACE.
- AND WHERE:  
GLAZING IN AN INDIVIDUAL FIXED PANEL THAT MEETS ALL OF THE FOLLOWING CRITERIA:
- EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQ. FT.
  - EXPOSED BOTTOM EDGE IS LESS THAN 18-INCHES ABOVE THE FLOOR
  - EXPOSED TOP EDGE IS GREATER THAN 36-INCHES ABOVE THE FLOOR
  - ONE OR MORE WALKING SURFACES ARE WITHIN 36-INCHES HORIZONTALLY OF THE PLANE OF THE GLAZING.

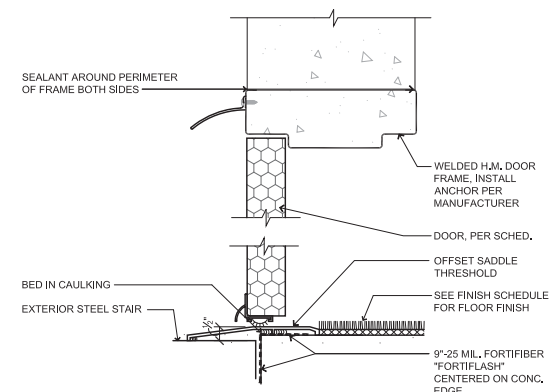
**GLAZING SCHEDULE:**

- GL-1 1" INSULATED UNIT GLASS
- 1/4" CLEAR LAMINATED SAFETY GLAZING
- 1/2" AIR SPACE
- 1/4" CLEAR LAMINATED SAFETY GLAZING

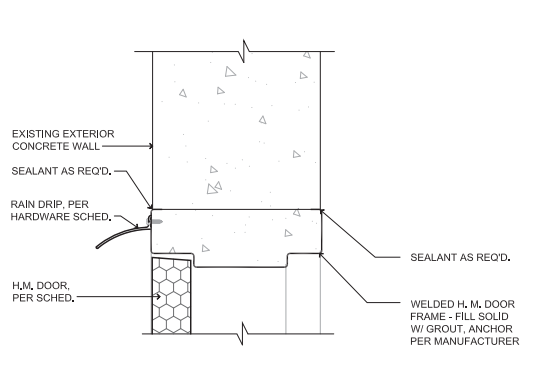


**INTERIOR WINDOW**

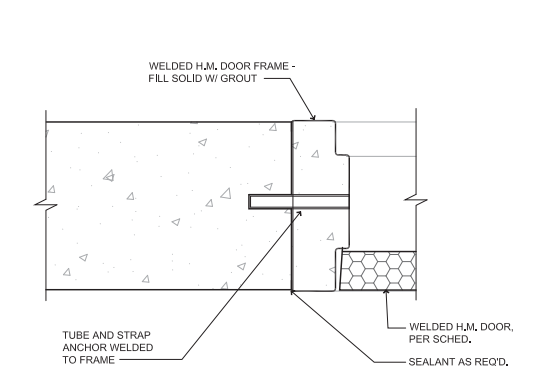
SCALE: 1/4"=1'-0"



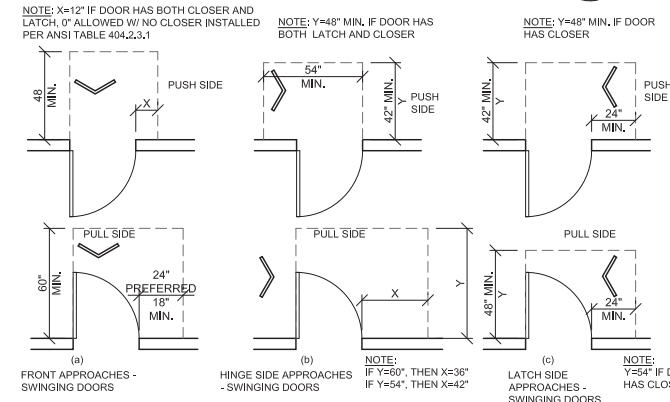
**14 DOOR HEAD / THRESHOLD AT EXTERIOR CONCRETE WALL**  
SCALE: 3"=1'-0"



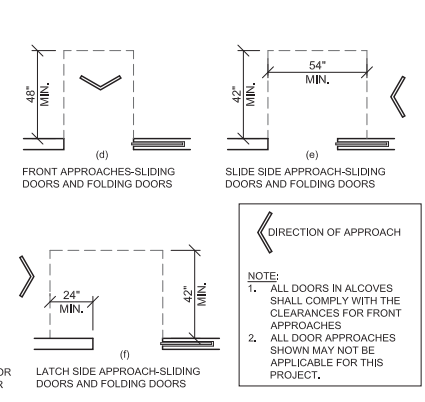
**10 H.M. DOOR HEAD DETAIL AT EXTERIOR CONCRETE WALL**  
SCALE: 3"=1'-0"



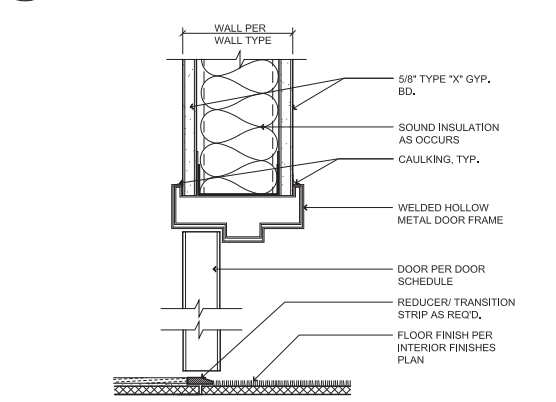
**6 H.M. DOOR JAMB DETAIL AT EXTERIOR CONCRETE WALL**  
SCALE: 3"=1'-0"



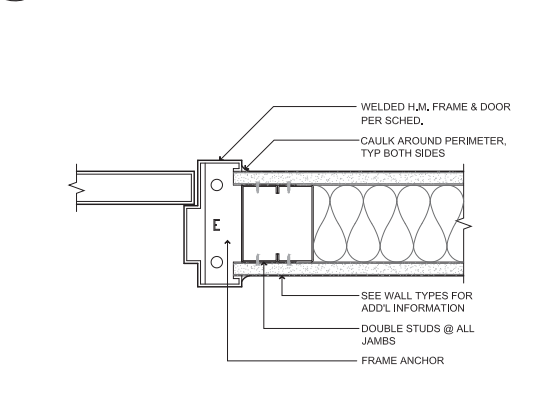
**17 MANEUVERING CLEARANCES AT DOORS (MINIMUM ACCESSIBLE FLOOR CLEARANCE)**  
SCALE: 1/4"=1'-0"



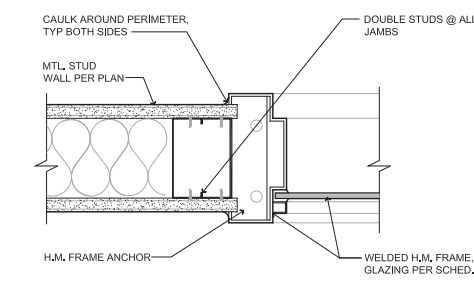
**9 H.M. DOOR DTL. HEAD/ SILL DTL.**  
SCALE: 3"=1'-0"



**5 H.M. DOOR JAMB DTL.**  
SCALE: 3"=1'-0"



**1 H.M. WINDOW FRAME JAMB DTL. (HEAD SIM.)**  
SCALE: 3"=1'-0"



**1 H.M. WINDOW FRAME JAMB DTL. (HEAD SIM.)**  
SCALE: 3"=1'-0"



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**COLUMBIA**  
INTERIOR REMODEL FOR  
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3405 DEER PARK DR SE, SALEM, OR 97310

**DOOR & WINDOW SCHEDULES AND DETAILS**

DATE: 04/23/19  
REVISED DATE: 5/14/2019  
SHEET: A8.1

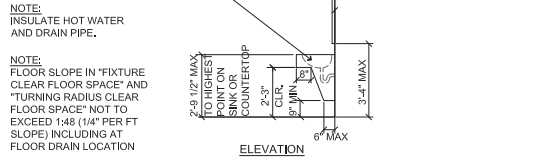
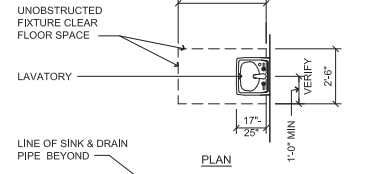
**RESTROOM  
ACCESSORIES NOTES:**

1. MOUNTING HEIGHT FOR ALL RESTROOM ACCESSORIES AND TOILET HEIGHT TO BE VERIFIED/APPROVED BY LOCAL BUILDING DEPT. PRIOR TO ORDERING.
2. ALL ACCESSORIES ARE WALL MOUNTED UNLESS OTHERWISE NOTED.
3. PROVIDE WOOD BLOCKING AS REQUIRED FOR ALL SURFACE MOUNTED ACCESSORIES.
4. SEE DRAWINGS AND ARCHITECTURAL SPECIFICATIONS FOR ALL QUANTITIES, SIZE AND MFR. MODEL NUMBERS FOR ALL FIXTURES AND ACCESSORIES.
5. MAINTAIN INTEGRITY OF FIRE RATING WHERE ACCESSORIES ARE IN RATED WALLS.

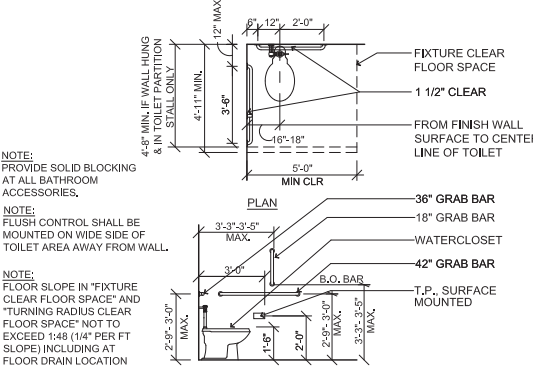
SCHEDULE OF ACCESSORIES			
SYMBOL	ITEM	MODEL	MFR.
(A)	GRAB BARS - 42"	B-6806 x 42	BOBRICK
(B)	GRAB BARS - 36"	B-6806 x 36	BOBRICK
(C)	GRAB BAR - 18"	B-6806 x 18	BOBRICK
(D)	GRAB BAR - 24"	B-6806 x 24	BOBRICK
(E)	MIRROR	B-165 x 2436	BOBRICK
(F)	AUTO-PAPER TOWEL DISPENSER / WASTE	B-3974	BOBRICK
(G)	SEAT COVER DISPENSER	B-4221	BOBRICK
(H)	TOILET PAPER DISPENSER	B-4288	BOBRICK
(I)	SURFACE MOUNTED AUTO SOAP DISPENSER	B-2012	BOBRICK

PER ICC/ANSI A117.1 AND OPSC SECTION 407.5, CLEARANCES FOR TOILETS, TOILET STALLS, URINALS, LAVATORIES AND OTHER PLUMBING FIXTURES SHALL BE MAINTAINED. CONTRACTOR TO TAKE IN TO ACCOUNT THICKNESSES OF PROPOSED WALL COVERINGS, INCLUDING FINISH MATERIALS SUCH AS CERAMIC TILE, MULTIPLE LAYERS OF GYP, BD., TOILET STALLS, ETC..

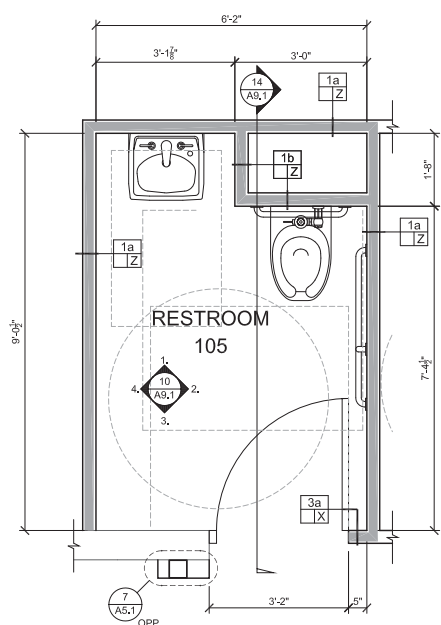
NOTE:  
SEE DETAIL 13/A9.1 FOR MIN. AND MAX. MOUNTING HEIGHTS FOR ADA FIXTURES.



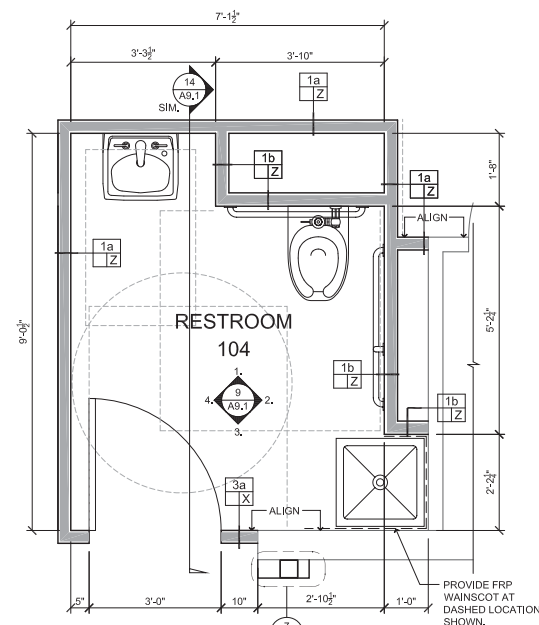
**12 ACCESSIBLE PROVISIONS (LAVATORY)**  
SCALE: 1/4" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\19880001(COMMERCIAL) WALL WING



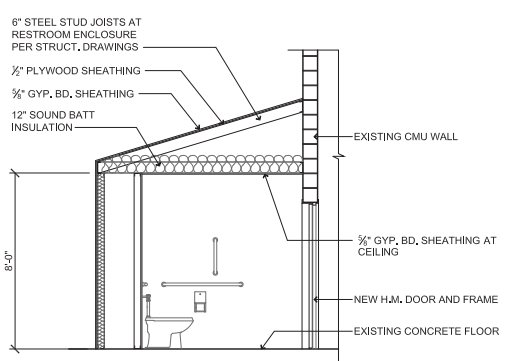
**11 ACCESSIBLE PROVISIONS (TOILET)**  
SCALE: 1/4" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\ACCESSIBLE INT-TOILET FLR INT



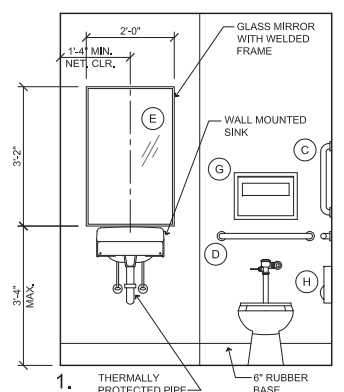
**7 UNISEX - 105 (ENLARGED PLAN)**  
SCALE: 1/2" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\ENLARGED RESTROOM PLAN 105



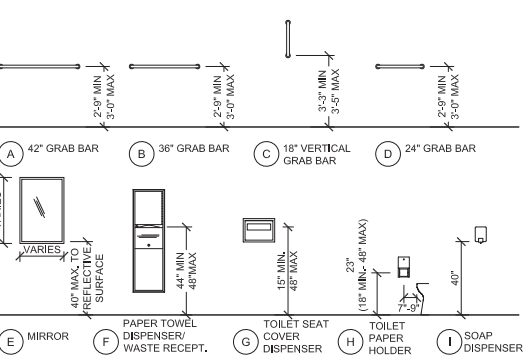
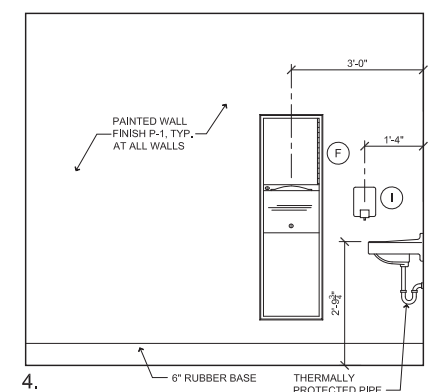
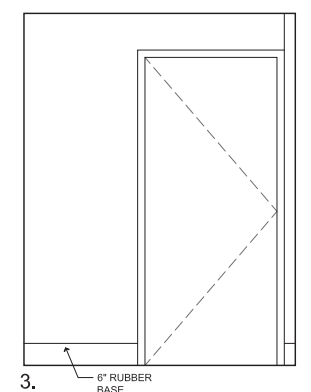
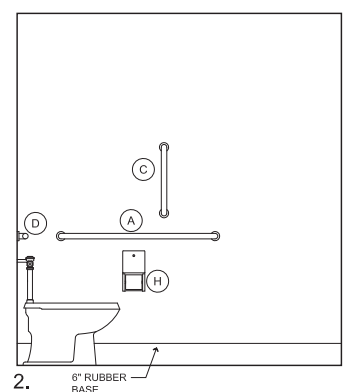
**3 UNISEX - 104 (ENLARGED PLAN)**  
SCALE: 1/2" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\ENLARGED RESTROOM PLAN 104



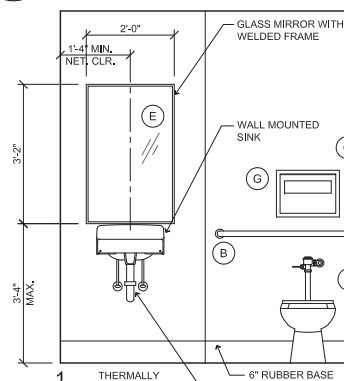
**14 RESTROOM SECTION TYPICAL SECTION**  
SCALE: 1/4" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\RESTROOM SECTION



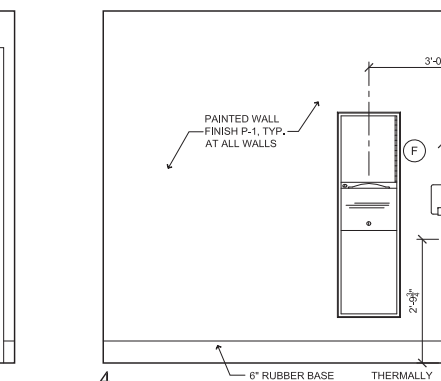
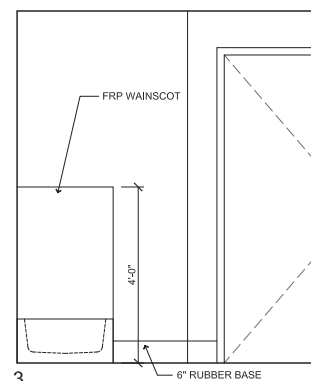
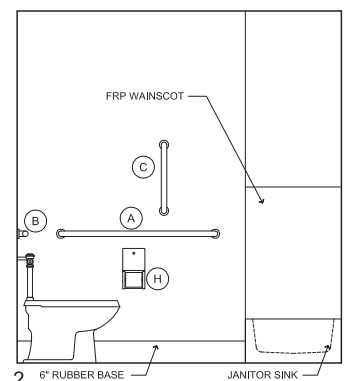
**10 RESTROOM - 105 (ELEVATIONS)**  
SCALE: 1/2" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\RESTROOM ELEVATION 105



**13 ACCESSIBLE PROVISIONS FIXTURE MOUNTING HEIGHTS**  
SCALE: 1/4" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\ACCESSIBLE ACCESSORIES  
\* TO HIGHEST COMPONENT REQ'D FOR OPERATION



**9 RESTROOM - 104 (ELEVATIONS)**  
SCALE: 1/2" = 1'-0"  
Q:\P\AD IN FULL\OSCI\DETAILS\RESTROOM ELEVATION 104



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**INTERIOR REMODEL FOR  
OREGON STATE CORRECTIONAL INSTITUTION**  
3405 DEER PARK DR SE, SALEM, OR 97310

**RESTROOM  
DETAILS AND  
ELEVATIONS**

DATE  
04/23/19

REVISED DATE

SHEET  
A9.1

**FINISHES:**

**FLOORING:**

CPT-1 CARPET  
MFR: - PATCRAFT  
COLLECTION: - RATIONAL  
STYLE: - REASON 10459  
COLOR NAME: - TBD  
INSTALLATION: - 1/4 TURN

SV-1 SHEET VINYL  
MFR: - LEXCO  
COLLECTION: - DELANE ESD VINYL  
COLOR NAME: - TBD

EC-1 EXPOSED CONCRETE  
MFR: -  
STYLE: - SEALED, POLISHED  
PRODUCT NAME: -

R-1 RUBBER TREAD / RISER  
MFR: - FLEXCO  
DESIGN: - HAMMERED  
COLOR: - TBD

**BASE:**

B-1 4" RUBBER BASE  
MFR: - FLEXCO  
COLOR: - TBD  
COLOR NO: - TBD

**WALLS:**

W-1 PAINT  
MFR: - RODDA  
COLOR NAME: - TBD  
COLOR NO: - TBD  
SHEEN: - SEMI GLOSS

W-2 PAINT  
MFR: - RODDA  
COLOR NAME: - TBD  
COLOR NO: - TBD  
SHEEN: - GLOSS  
TYPE: - EPOXY

**DOOR COLOR:**

HOLLOW METAL DOOR  
PAINT: - MATCH WALL COLOR  
SHEEN: - SEMI GLOSS

**DOOR FRAME:**

HOLLOW METAL FRAME  
PAINT: - MATCH DOOR COLOR  
SHEEN: - SEMI GLOSS

**CEILING:**

CL-1 CEILING PAINT OVERALL  
MFR: - RODDA  
COLOR NAME: - TBD  
COLOR NO: - TBD  
SHEEN: - SEMI GLOSS

CL-2 CEILING PAINT AT COMPUTER LAB  
MFR: - RODDA  
COLOR NAME: - TBD  
COLOR NO: - TBD  
SHEEN: - SEMI GLOSS




CL-3 CEILING PAINT AT RESTROOM  
MFR: - RODDA  
COLOR NAME: - TBD  
COLOR NO: - TBD  
SHEEN: - GLOSS  
TYPE: - EPOXY

**CASEWORK FINISHES:**

PLAM-1 MFR: - FORMICA  
COLOR NAME: - TBD  
LOCATION: - PER PLAN

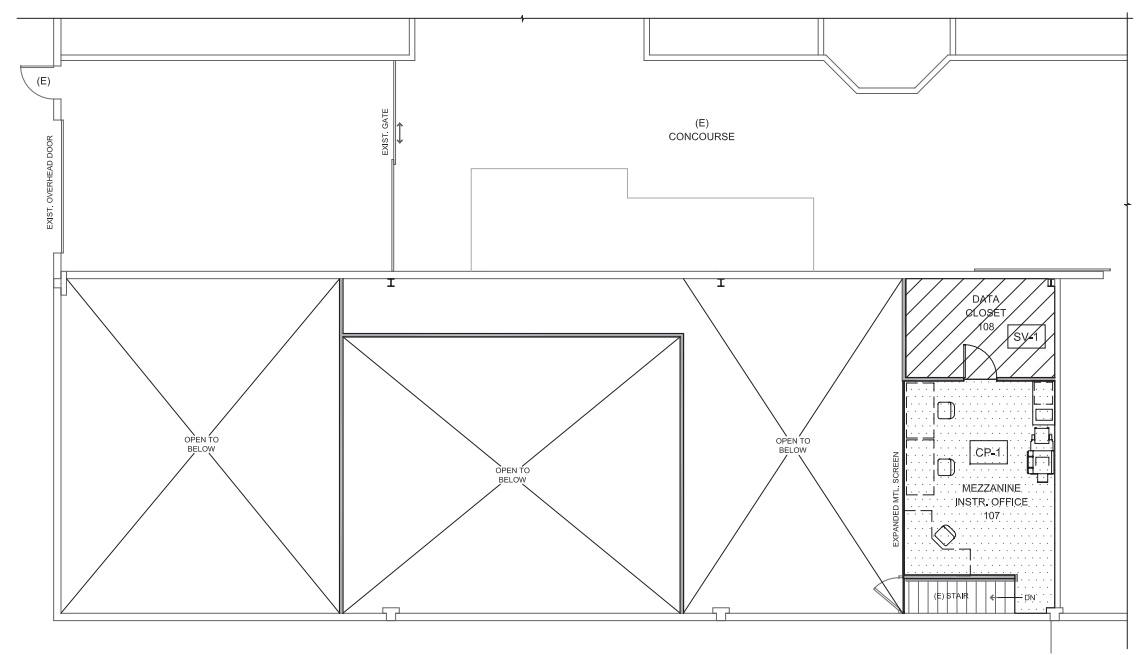
PLAM-2 MFR: - FORMICA  
COLOR NAME: - TBD  
LOCATION: - PER PLAN

**LEGEND:**

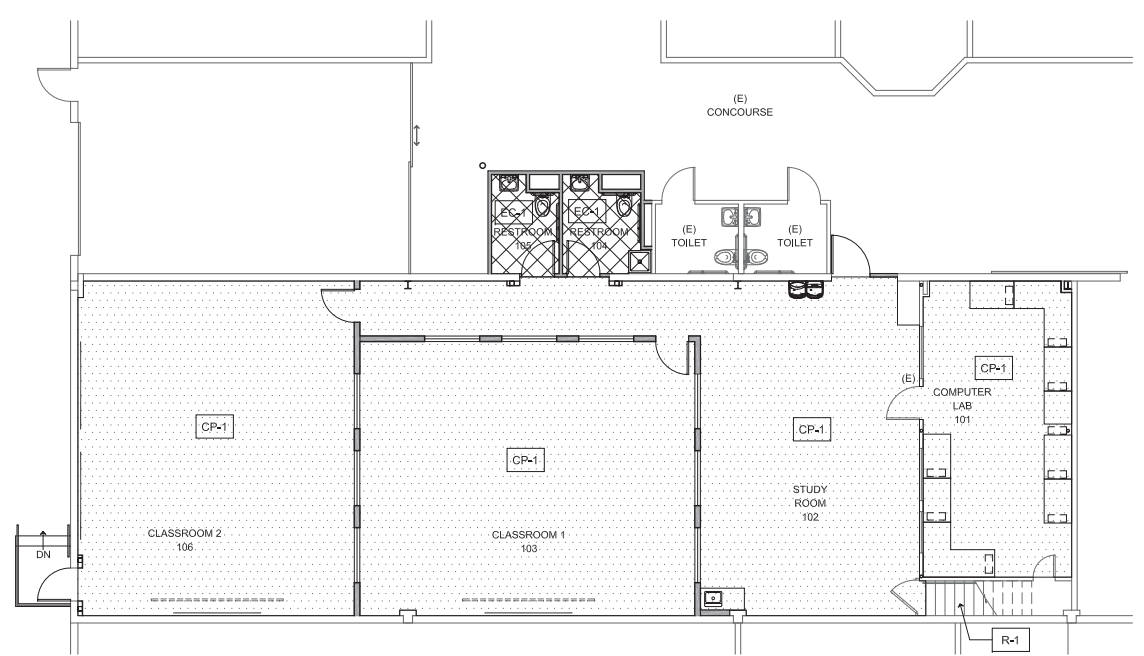
-  LIMITS OF CARPET FLOORING (CPT-1)
-  LIMITS OF SHEET VINYL FLOORING (SV-1)
-  LIMITS OF SEALED CONC. FLOORING (EC-1)

**FINISH SCHEDULE NOTES:**

1. GYPSUM WALLBOARD FINISH TO BE LEVEL 4 WITH VERY LIGHT ORANGE PEEL TEXTURE APPROVED (BY ARCHITECT) SAMPLE REQUIRED BEFORE APPLICATION.
2. INTERIOR HOLLOW METAL DOOR FRAMES TO BE PAINTED TO MATCH EXISTING
3. ALL ACCESS PANELS, COVER PLATES, ETC. TO BE PAINTED TO MATCH WALL COLOR.
4. ALL INTERIOR GLAZING TO BE CLEAR, U.N.O.
5. SEE REFLECTED CEILING PLAN SHEET A4.1 FOR ADDL. CEILING INFO.
6. PATCH AND REPAIR ALL DAMAGED WALL SURFACES AS REQUIRED PRIOR TO APPLICATION OF NEW PAINT.
7. VERIFY PAINT SCHEME THROUGHOUT WITH OWNERS PROJECT MANAGER.
8. PAINT TO BE: SHERWIN-WILLIAMS, BENJAMIN MOORE, MILLER OR APPROVED EQUAL.



**INTERIOR FINISHES MEZZANINE PLAN**  
SCALE: 1/8"=1'-0"



**INTERIOR FINISHES FLOOR PLAN**  
SCALE: 1/8"=1'-0"

FINISH SCHEDULE: TENANT IMPROVEMENT										
RM. NO.	ROOM NAME	FLOOR		WALLS				CEILING		REMARKS
		MATL.	BASE	N. WALL FINISH	E. WALL FINISH	S. WALL FINISH	W. WALL FINISH	MATL.	HEIGHT	
101	COMPUTER LAB	CP-1	B-1	W-1	W-1	W-1	W-1	CL-2	PER PLAN	-
102	STUDY ROOM	CP-1	B-1	W-1	W-1	W-1	W-1	CL-1	PER PLAN	-
103	CLASSROOM 1	CP-1	B-1	W-1	W-1	W-1	W-1	CL-1	PER PLAN	-
104	RESTROOM	EC-1	B-1	W-2	W-2	W-2	W-2	CL-3	PER PLAN	-
105	RESTROOM	EC-1	B-1	W-2	W-2	W-2	W-2	CL-3	PER PLAN	-
106	CLASSROOM 2	CP-1	B-1	W-1	W-1	W-1	W-1	CL-1	PER PLAN	-
107	MEZZANINE INSTR. OFFICE	CP-1	B-1	W-1	W-1	W-1	W-1	CL-1	PER PLAN	-
108	DATA CLOSET	SV-1	B-1	W-1	W-1	W-1	W-1	CL-1	PER PLAN	-



INTERIOR REMODEL FOR  
OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

INTERIOR FINISHES FLOOR PLAN

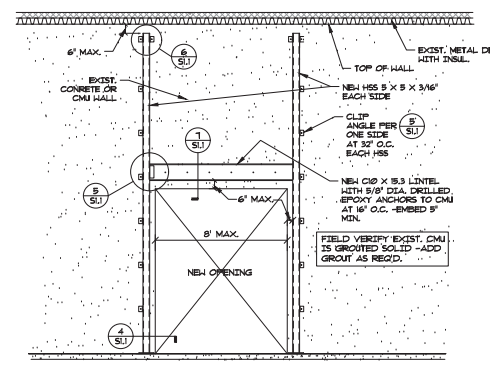
DATE  
04/23/19

REVISED DATE

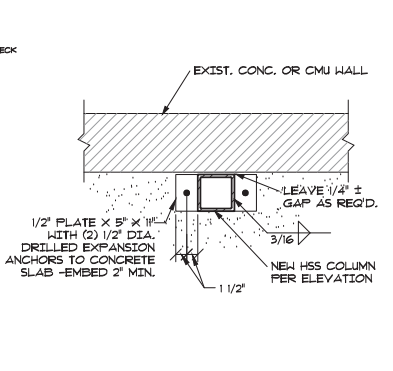
SHEET

13.1

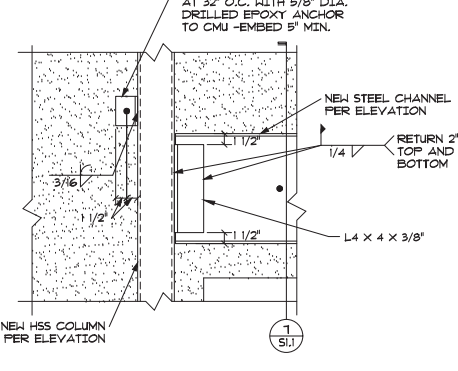




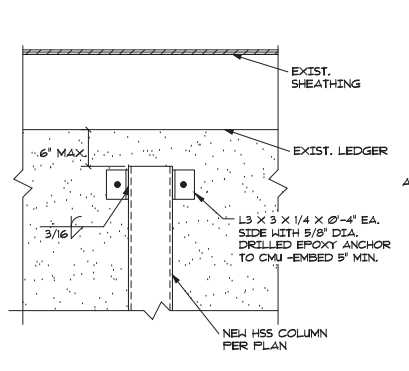
3 NEW OPENING IN CONC. WALL  
1/4" = 1'-0"



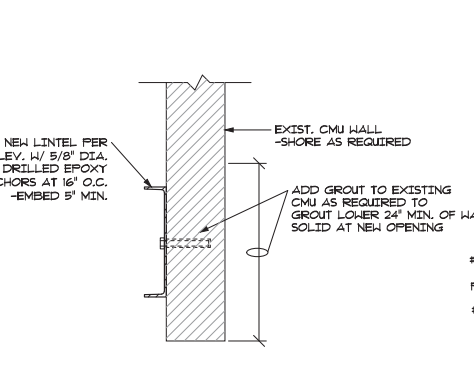
4 FDN. DETAIL  
1" = 1'-0"



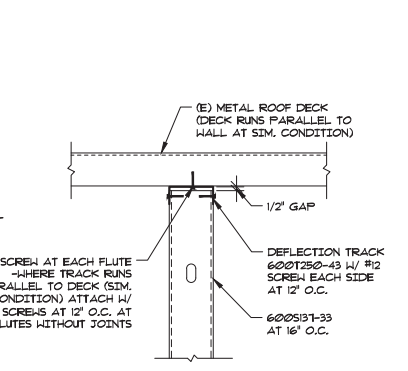
5 FDN. DETAIL  
1" = 1'-0"



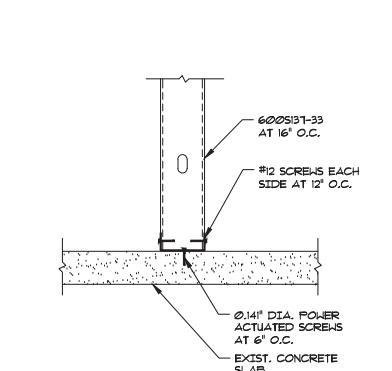
6 FDN. DETAIL  
1" = 1'-0"



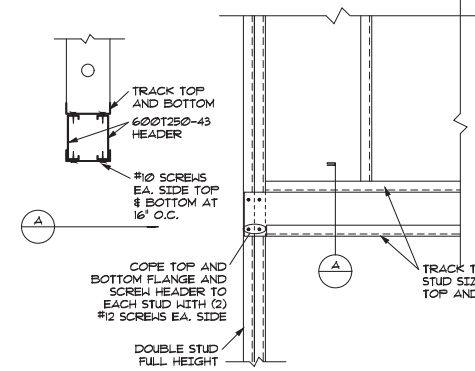
7 FDN. DETAIL  
1" = 1'-0"



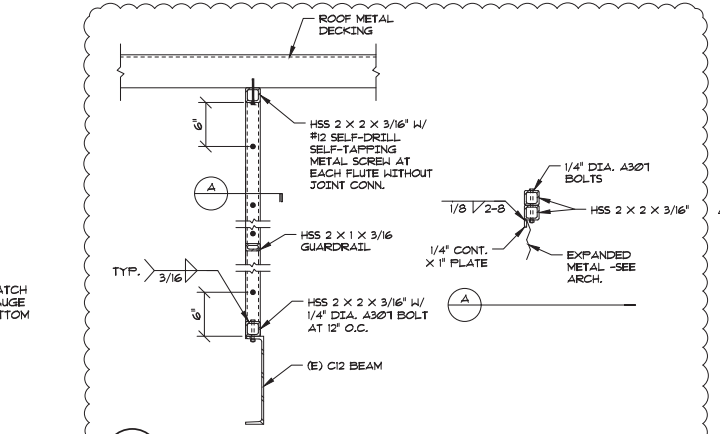
8 FRAMING DETAIL  
11-1 1" = 1'-0"



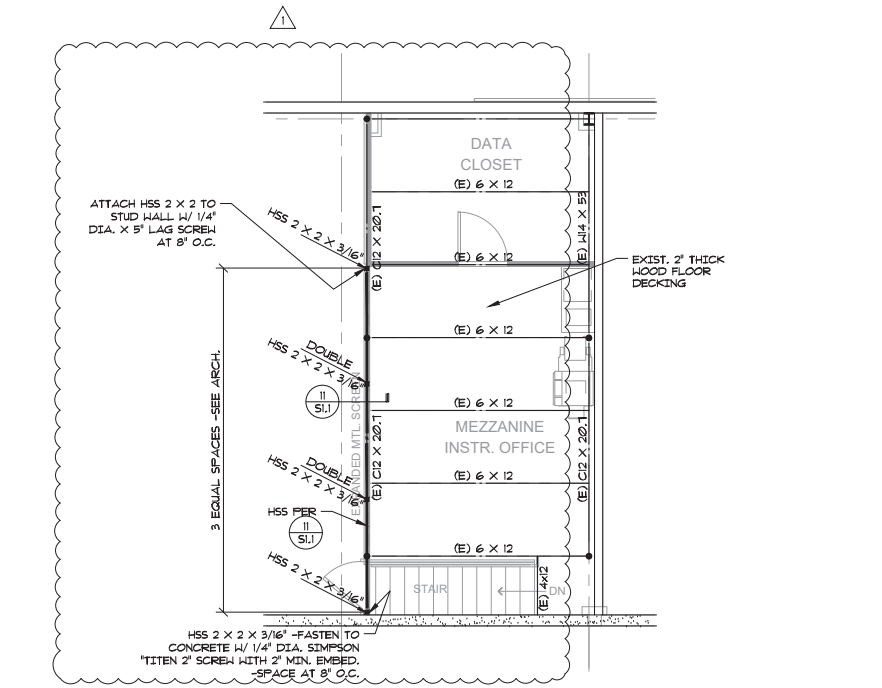
9 FRAMING DETAIL  
11-8 1" = 1'-0"



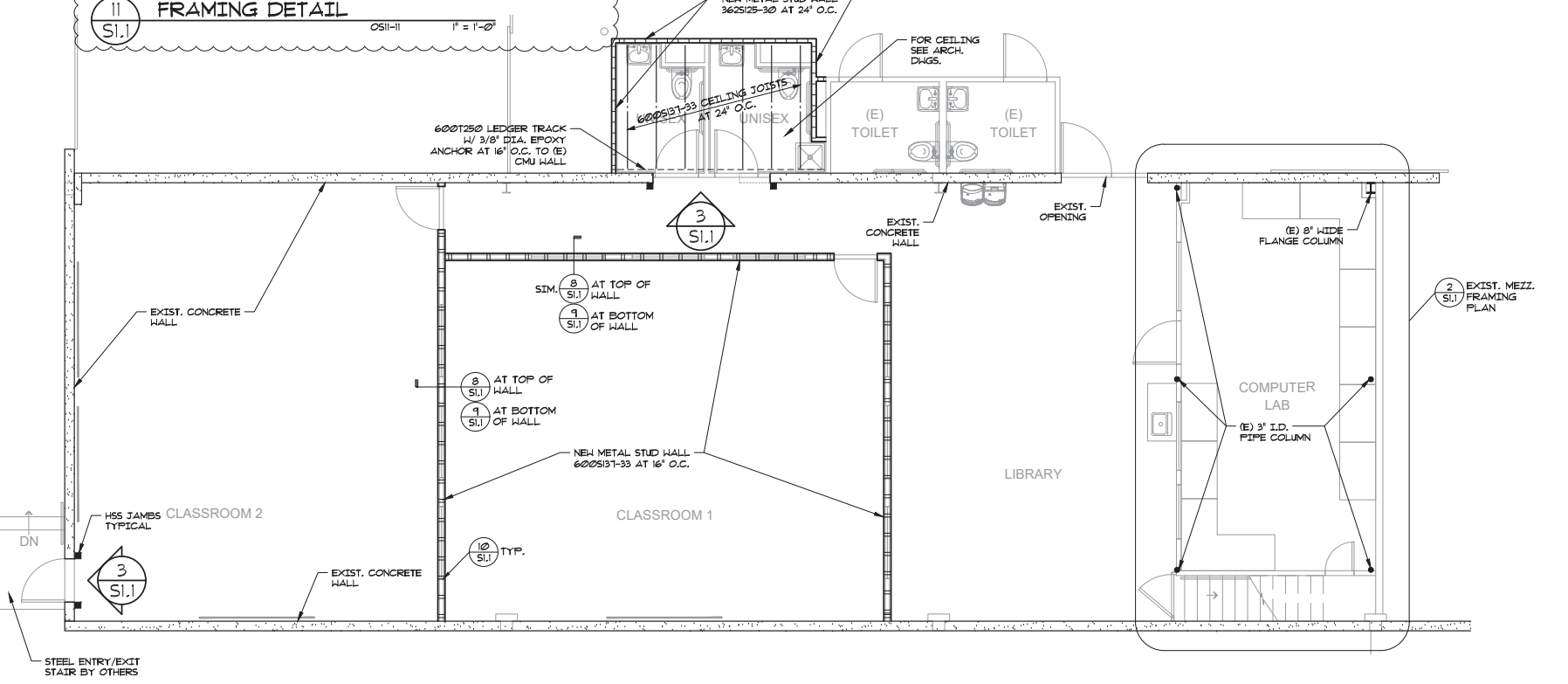
10 FRAMING DETAIL  
11-9 1" = 1'-0"



11 FRAMING DETAIL  
0511-11 1" = 1'-0"

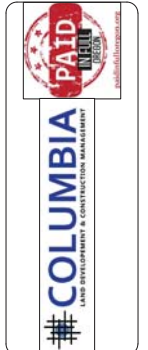


2 EXIST. MEZZANINE FRAMING PLAN  
3/16" = 1'-0"



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

NOTES:  
1) EXISTING ROOF FRAMING CONSISTS OF 'ROBERTSON' #12-20 G-DECKING SPANNING BETWEEN W4 X 53 STEEL BEAMS.



PAID IN FULL  
INTERIOR REMODEL  
FOR OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

FOUNDATION  
PLAN & DETAILS

DATE  
04/15/19

REVISED DATE  
04/23/2019

SHEET  
S1.1



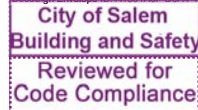


Table with 5 columns: Verification and Inspection, Continuous, Periodic, Verify, Referenced Standard. Rows include material verification of high-strength bolts, inspection of high-strength bolting, material verification of structural steel, material verification of cold-formed steel deck, material verification of weld filler materials, inspection of welding, and inspection of steel frame joint details for compliance.

STRUCTURAL NOTES

GENERAL

- 1. These notes set minimum standards for construction. The drawings govern over these notes to the extent shown. Coordinate these drawings with architectural specifications and notify owner's project manager of any discrepancies prior to beginning work. 2. These drawings have been prepared solely for use in construction of the TI work at the Oregon State Correctional Institute project located in Salem, OR. Possession of these drawings does not grant license to construct or fabricate the whole or parts of this project in other locations. 3. The contractor shall verify all dimensions and conditions on drawings and in field. Coordinate locations of openings through floors, roofs, and walls with architectural, mechanical, plumbing, and electrical drawings. Notify owner's project manager immediately of any discrepancies. 4. The contractor shall be responsible for providing all temporary support prior to completion of the vertical and lateral load systems. LVI has not been retained to provide any services pertaining to job site safety precautions, or to review means, methods techniques, sequences, or procedures for performing the work. Unless we are specifically retained and compensated to do otherwise, our work is limited to the design of work described on our drawings. 5. Where reference is made to ACI, AISC, ASTM, or other standards or codes, the latest edition shall apply. 6. All work shall be in strict compliance with the latest edition of the International Building Code (IBC) and all other state and local codes which apply. 7. Any mechanical equipment, piping, ductwork, etc. which applies a load of 150 pounds or more shall be hung from a system approved by LVI.

DESIGN CRITERIA

FOUNDATIONS

- 1. Design soil bearing pressure equals 1,500 psf (Assumed). 2. All footings to bear on firm, undisturbed native soils or structural fill a minimum of 18" below finish exterior grade. Notify owner's project manager before proceeding if any unusual conditions are encountered in footing excavations. 3. Do not excavate closer than 2:1 slope below footing excavations. 4. Clean all footing excavations of loose material by hand. Remove all wet, soft soil from footing excavations prior to placing concrete. 5. Earth form footings may be provided at the contractor's option and risk. All earth formed footings should be over sized 6" in each direction. 6. Excavations may me made under footings for pipes. Backfill to be "structural fill" as defined above.

CONCRETE

- 1. Average concrete strength to be as indicated below and determined by job cast lab cured cylinder at 28 days plus increase depending on plant's standard deviation as specified in ACI 318. Provide mix designs to engineer for review prior to placing any concrete. CLEARLY LABEL ALL MIX DESIGNS AS TO PROPOSED AREA OF USE. Supplier to label all mix designs with an identification number. Mix number should be referenced in all subsequent concrete test reports. 2. Minimum mix requirements:

Table with 4 columns: Location, Compressive Strength (psi), Minimum cement content, Admixtures. Row: Footings, 3,000, 5, none.

- a. WRA= Water Reducing Admixture
b. AE= Air Entrainment
c. Provide an accelerator in all concrete placed below 40 degrees.

- 3. Use Type I cement, per ASTM C-150 unless otherwise approved. Water cement ratio to be 0.46 maximum for all slabs on grade, tilt walls, precast columns. Water cement ratio to be 0.50 maximum for all other concrete. Do not add water to mix at jobsite. Flyash meeting ASTM C 618 may be substituted for up to 20% of the cement content in all mixes. 4. Aggregate to be per ASTM C-33. 5. Water Reducing Agent (WRA). Comply with ASTM C-494. 6. Air Entrainment (AE) shall comply with ASTM C-260. Provide 3-5% when specified. 2% air entrainment for interior slabs. 7. Accelerators: Dosage to be determined by contractor. 8. Calcium Chloride shall not be used in any concrete, for any purpose, on this project. 9. Contractor to provide (if required) appropriate heat of hydration mitigation measures for concrete pours of 36" thick or greater.

REINFORCING

- 1. All reinforcing steel to be ASTM A615, Grade 60 except welded reinforcing steel to be ASTM A706, Grade 60. 2. All longitudinal reinforcing steel in concrete moment frames or vertical steel in shear wall boundary elements shall be ASTM A706 or ASTM 615, Grade 60 that complies with the requirements of IBC section 1905.1.2. See drawings for locations required. 3. Fabricate and install all reinforcing steel according to the "Manual of Standard Practice for Detailing Reinforcing Concrete Structures" ACI Standard 315. 4. Provide 2'-0" x 2'-0" corner bars to match horizontal reinforcement in poured in place walls and footings at all corners and intersections. 5. Splices in slab on grade reinforcement shall be lapped 30 diameters or 2'-0" minimum and shall be staggered at least 4'-0" at alternate bars. All other splice locations for #6 bars or smaller, lap bars 58 diameters or 2'-0" minimum and stagger the splices at least 4'-0" at alternate bars. All other splice locations for #7 bars or larger, lap bars 72 diameters and stagger the splices at least 6'-0" at alternate bars. 6. Provide (2)-#4 each side of all openings smaller than 30" in walls. Extend reinforcement 2'-0" minimum past opening each side. See plans for larger openings (provide (2)-#4 minimum). 7. Provide (2)-#4 bars at top, bottom, and ends of all walls unless otherwise indicated on plans. 8. Provide dowels to match all vertical reinforcement in walls, columns, and pilasters (poured in place). Lap 58 diameters or 24" minimum for #6 bars or smaller, Lap 72 diameters for #7 bars or larger. 9. All wall reinforcement to be placed in middle of wall unless otherwise noted on drawings. 10. Contractor to provide design, lifting inserts, and additional reinforcement as required for lifting of precast walls and other elements. 11. Provide shop drawings of all reinforced concrete items to engineer for review prior to construction of these items.

WOOD FRAMING

- 1. All lumber to be species and minimum grades as follows (unless otherwise noted in drawings): a. Beams and stringers, 4x and larger-----Douglas Fir #1 b. Bucks, blocking, bridging & misc. -----Doug. Fir or Hem Fir #3 c. 2 x 4 studs-----Doug. Fir "STUD" or "STD" d. 2 x 6 studs and larger-----Douglas Fir #2 e. Sills, ledgers, plates, etc. in contact w/ concrete---P.F. Douglas Fir #2 (unless noted otherwise on plans) f. Posts-----Douglas Fir #1 2. Floor sheathing to be APA rated sheathing, Exposure 1, conforming to APA performance standard PS 1-83 and to ICC-NER-108. See drawings for required thickness of sheathing and/or span rating. Install roof and floor sheathing with long dimension perpendicular to supports and stagger end joints (unless noted otherwise on drawings). Use spacer tool to ensure 1/8" end and edge joints, including tongue and groove joints. Install 2 x 4 or thicker blocking at unsupported joints in wall sheathing. Block roof or floor sheathing where noted on drawings. 3. Framing hardware to be Simpson or prior approved equal. Fill all nail holes unless noted otherwise in drawings or manufacturer's literature. Use largest nail size indicated in manufacturer's literature. Provide hardware size to match member size (i.e. 'HU410' hanger for 4x10 header, 'LSSJ28' for 2x8 rafter, etc.). 4. All bolt heads and nuts bearing on wood to be provided with a washer. 5. All fasteners (hangers, clips, screws, nails, bolts, washers etc.) in contact with pressure treated or fire treated wood to be stainless steel or hot dipped galvanized material. Do not mix stainless steel and galvanized steel in the same connection. 6. All nailing to be per IBC Table 2304.9.1. Obtain engineer's prior approval for all proprietary nailing or stapling systems. 7. All nails to be common wire unless noted otherwise. Staples are not an acceptable substitute without Engineer's prior written approval. Minimum nail diameters are as follows: a. 8d = .131" b. 10d = .148" c. 12d = .148" d. 16d = .162" e. 20d = .192"

POST-INSTALLED ANCHORS

- 1. All drilled anchor bolts in contact with pressure treated wood to be hot dipped galvanized or stainless steel. 2. All drilled anchors bolts in concrete to be "Kwik Bolt TZ" by Hilti, Inc. (ICC ESR-1917) or "Strongbolt 2" by Simpson Strong Tie (ICC ESR-3037) only. Other anchors with written approval of engineer only. All anchors to be installed following bolt manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by the bolt manufacturer for anchor size noted unless otherwise indicated on drawings. All drilled anchor bolts to receive special inspection. 3. All drilled adhesive anchors in concrete to use "SET-XP Epoxy Adhesive" by Simpson Strong-Tie Company, Inc. (ICC ESR-2508) or "HIT-HY 200 HIT-2 Adhesive Anchoring System" by Hilti, Inc. (ICC ESR-3187) only. Other adhesive anchors in concrete with written approval of engineer only. All anchors to be installed following manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by manufacturer for anchor size noted unless indicated on drawings. All drilled adhesive anchors in concrete require special inspection during installation. 4. All drilled anchor bolts installed in concrete masonry to be "Wedge All" by Simpson Strong Tie only (ICC ESR-1396) or "Kwik Bolt III" by Hilti, Inc. (ICC ESR-1385). Other epoxy anchors with written approval of engineer only. Install all anchors in face shell of masonry, holding anchor at least 1" from mortar joint (block edge) and 1" from center block web. Install all anchors per manufacturer's instructions. Provide minimum embedment, edge distance, and spacing as noted in manufacturer's instructions unless indicated otherwise on drawings. Provide special inspection of anchor installation as noted on drawings. 5. All drilled epoxy anchors in concrete masonry to be "HIT-HY 150 Adhesive Anchor System" by Hilti, Inc. (ICC ESR-1967) only. Other anchors with prior written approval of Engineer only. Install all anchors per manufacturer's instructions. Provide minimum edge distance and spacing as noted in manufacturer's instructions unless otherwise noted on drawings. Special inspection required of all drilled epoxy anchor installation. 6. Provide stainless steel anchors at locations where the anchor is exposed to weather. Provide hot dipped galvanized or stainless steel anchors at all locations where anchors are in contact with pressure treated wood. 7. Do not substitute for an anchor approved for use in concrete with an anchor approved for use in masonry vice--versa. Do not substitute a similar anchor offered by the same manufacturer for an anchor listed in the notes without written approval of the engineer. 8. See drawings for anchor types indicated. All anchors noted as "drilled anchor bolts" on drawings may be mechanical or epoxy anchors at contractor's option. All anchors noted as "drilled epoxy anchors" to be only epoxy anchors. Substituting drilled anchors for cast anchors or cast anchors for drilled anchors is acceptable with written approval of engineer only. 9. Contractors wishing to substitute alternate manufacturers of anchors should submit written request, including current ICC reports, to engineer for approval.

STRUCTURAL AND MISCELLANEOUS STEEL

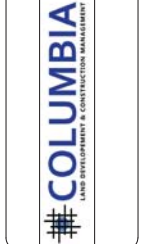
- 1. Detailing, fabrication and erection of steel to conform to the Steel Construction Manual of the AISC. 2. All steel to be A36 except as noted. 3. All wide flange and WF sections to be A992. 4. All welds to be made with E70XX electrodes by welders certified by AWS Standards. 5. Unless noted otherwise, all bolts to be A325N for steel to steel connections and A307 for anchor bolts and connections to wood. All steel to steel connections to be snug tight only. Torquing of bolts not required unless specifically noted in detail. Provide standard plate washers under all bolt heads and nuts bearing on wood. All anchor bolts in contact with pressure treated wood to be hot dipped galvanized. 6. All structural tubing to be ASTM A500 Grade B, Fy = 46 ksi. All steel pipe to be ASTM A501 (Fy = 36 ksi) or ASTM A53, Type E or S, Grade B (Fy = 35 ksi). 7. Provide shop drawings of all structural steel items to engineer for review prior to fabrication.

STRUCTURAL SPECIAL INSPECTIONS

- The following special inspections are required and shall be performed by a qualified independent testing agency in compliance with the requirements of IBC Chapter 17. The testing agency shall provide copies of all test reports to the project engineer in a timely manner. Additional special inspections for non-structural elements not listed in this section are to be per the project specifications. 1. Special inspection and testing of concrete is required during the taking of test specimens and placing of all reinforced concrete per the special inspection table except slabs on grade, isolated spread footings for buildings three stories or less, continuous footings supporting light framed walls three stores or less, or concrete footings with specified f'c of 2,500 psi or less. 2. Special inspection is required for all structural welding and high strength bolting unless welding is performed in a shop approved by the building official. All field welding requires special inspection. 3. Special inspection is required of all drilled epoxy anchors in concrete or masonry and drilled anchor bolts in concrete. Inspection to be continuous during the anchor installation to insure installation meets all manufacturers' instructions and minimum embedment noted on drawings.

Gravity Load Criteria table: Roof live / snow load, snow load criteria, wind load criteria, seismic load criteria.

LEWIS & VAN VLEET INC. CONSULTING ENGINEERS 18660 SW BOONES FERRY ROAD TUALATIN, OREGON 97062 (503) 885-5605 phone (503) 885-1206 fax www.lvw.com Contact Project Engr.: MIKE DALY Job # 191012 MDALY@LVVINC.COM



PAID IN FULL INTERIOR REMODEL FOR OREGON STATE CORRECTIONAL INSTITUTION 3405 DEER PARK DR SE, SALEM, OR 97310

DETAILS AND NOTES

DATE 04/15/19

REVISED DATE

SHEET S1.2



GENERAL ABBREVIATIONS

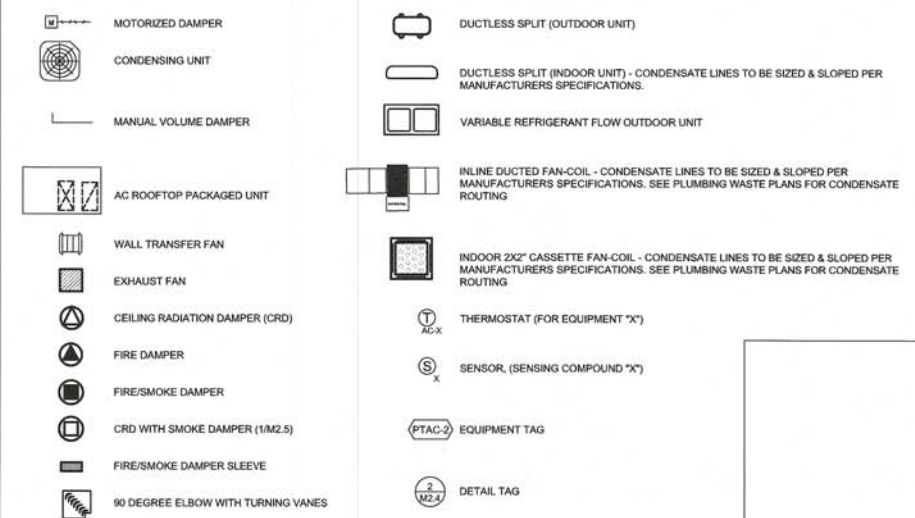
Table of abbreviations for various HVAC components, including ACCU, AC, ACU, AD, AFF, AHU, AP.ACS PNL, AR, ARV, ASU, ATM, DOAS, BAPR, BARO, BDD, BLO, BOT, BTU, BVP, CAV, C/C, CC, CD, CFS, CLG, CO, CO2, COMP, COND, COP, CCP, CP, CPD, CR, CRP, CRD, CU, CU FT, CFM, CWP, DAP, dB, DB, DCI, DH, DISCH, DU, DMPR, DP, DR, DS, DUC, EAT, EBB, ECC RD, ECON, ECU, EDBT, EER, EF, EFF, ESP, EWB, EXH, F, FC, FD, FF, FFA, FFB, FP, FPM, FSD, FUS, FV, G, GA, GPM.

Table of abbreviations for various HVAC components, including GT, HD, HEPA, HEX, HP, HST, HTR, HVAC, HZ, IAQ, ID, IF, IN WC, INSUL, KW, LAT, LDBT, LH, LVR, MAT, MAU, MBH, MD, MECH, MOD, MVD, NA, NC, NO, NTS, OA, OAI, OAT, OBD, OD, P, PCC, PD, PF, PHC, PLUB, PPM, PSI, PSIA, PSIG, PTAC, R, RA, RAC, RAT, REF, RH, SA, SDMPR, SH, SP, SPEC, TAB, TAG, TC, TE, TEMP, TFA, TFB, TG, TL, TONS, TSTAT, TYP, U, UC, UH, UNO, UV, V, VAV, VP, VTR, WBT.

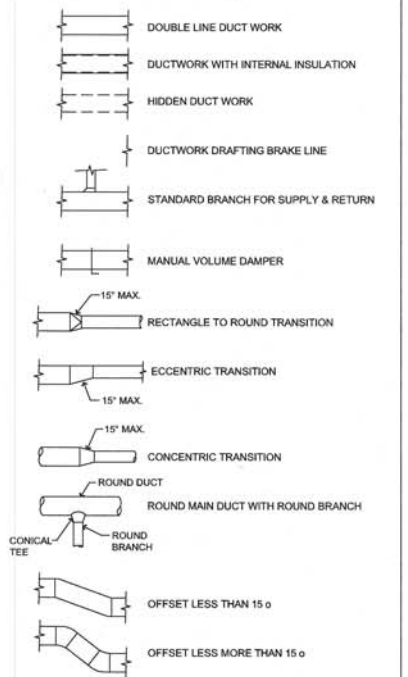
BUILDING CODE SUMMARY

SCOPE OF WORK: SCOPE OF WORK INCLUDES AN INTERIOR BUILDING REMODEL, CONSISTING OF NEW INTERIOR CLASSROOM AND DATA ROOM WALLS, NEW WELDED HOLLOW METAL FRAME WINDOWS AND DOORS. APPLICABLE CODES: BUILDING CODE, ELECTRICAL CODE, MECHANICAL CODE, PLUMBING CODE, ENERGY CODE, ACCESSIBILITY CODE, FIRE CODE.

GENERAL SYMBOL LEGEND



GENERAL DUCT LEGEND



DIFFUSER LEGEND

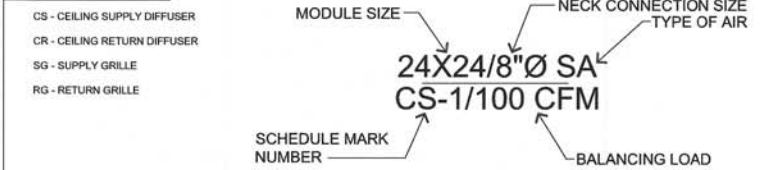


Table titled 'DIFFUSER, RETURN AND GRILLES' with columns: Mark, Type, Face, Frame, Damper, Finish, Model Number, Note. It lists specifications for return grilles (RG-1) and supply grilles (SG-1).

SEPARATE PERMIT(S)

DRAWING INDEX

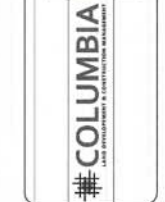
Table showing drawing index with columns for drawing number and description. Includes entries for M0.0 HVAC COVER SHEET, M2.1 HVAC DEMOLITION FLOOR PLAN, and M3.1 HVAC FLOOR PLAN.

REVISION DESCRIPTIONS

Table for revision descriptions with columns for revision number and description.

GENERAL PROJECT NOTES

- List of 22 project notes regarding ductwork installation, equipment placement, and testing requirements. Includes notes on ductwork construction, equipment tags, and testing procedures.

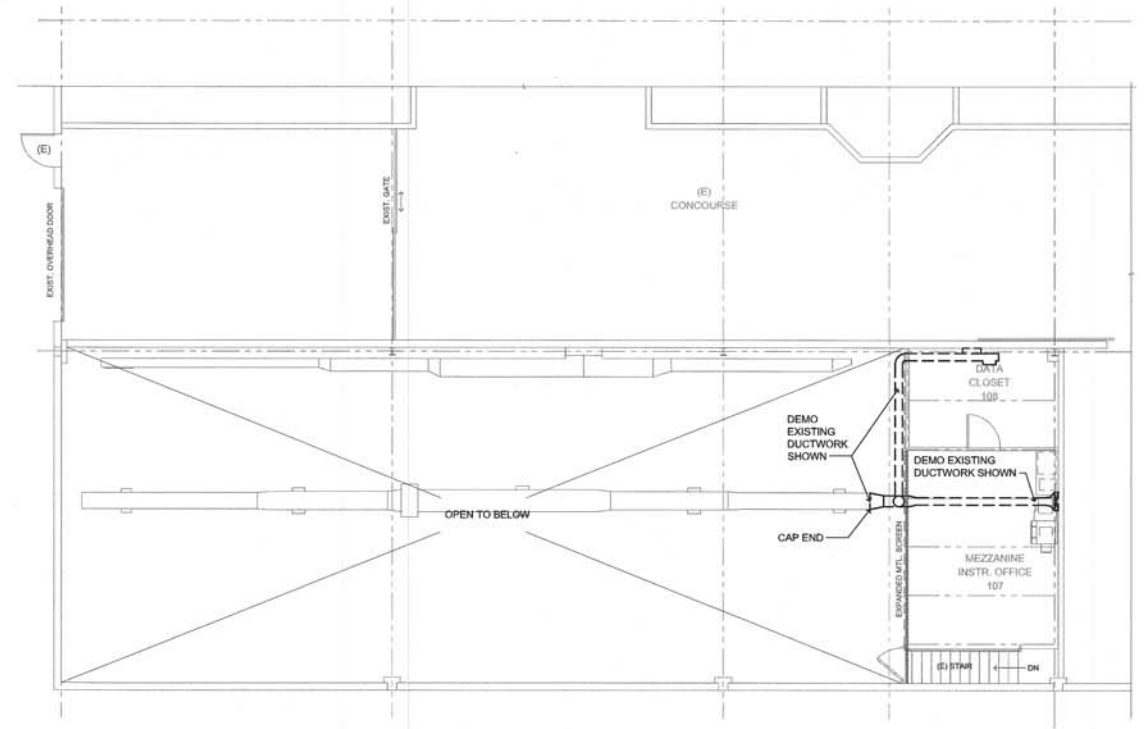


INTERIOR REMODEL FOR OREGON STATE CORRECTIONAL INSTITUTION 3405 DEER PARK DR SE, SALEM, OR 97310

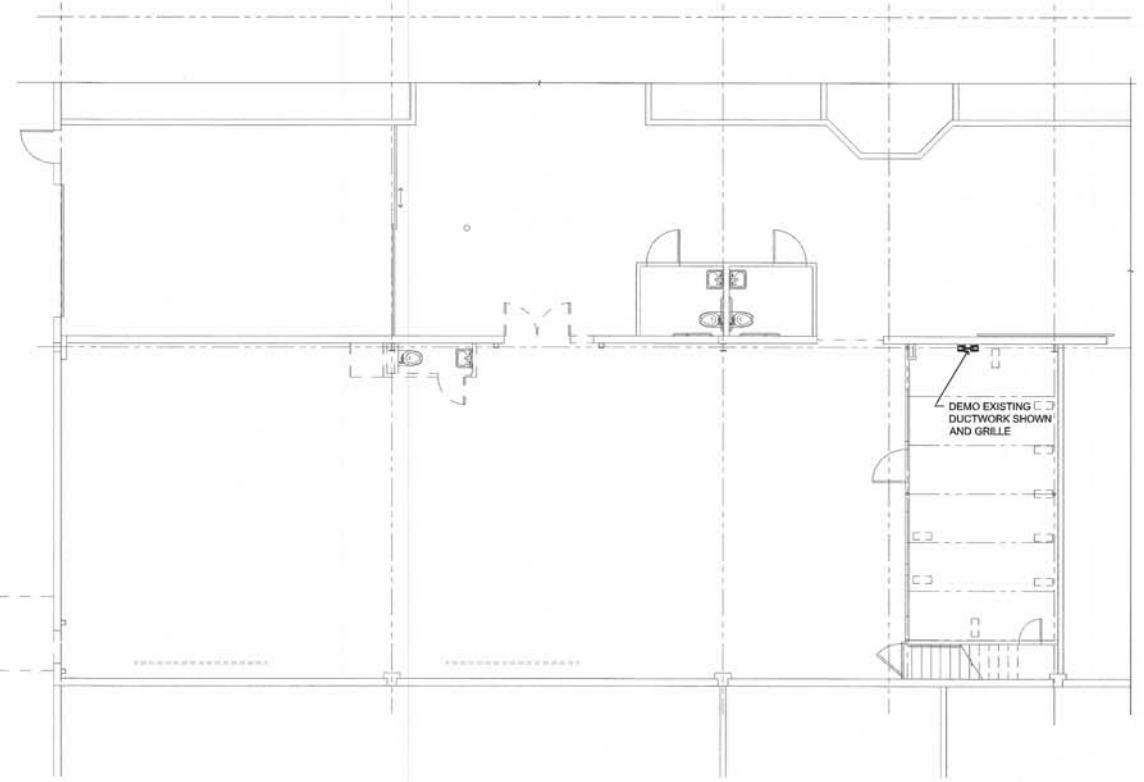
MECHANICAL COVER SHEET

DATE: 04/23/19, REVISED DATE, SHEET: M1.0

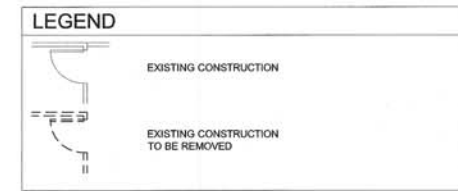




2 M2.1 DEMOLITION MEZZANINE PLAN  
SCALE: 1/4"=1'-0"



1 M2.1 DEMOLITION FLOOR PLAN  
SCALE: 1/4"=1'-0"



CONTRACTOR DEMOLITION PLAN NOTES:

- A. THE CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH THE JOB SITE AND WITH EXISTING CONDITIONS WHICH MAY IMPACT THE WORK.
- B. THE CONTRACTORS SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL PAY ALL REQUIRED FEES FOR THE WORK.
- C. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.
- D. CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES CONCERNING DEMOLITION OPERATIONS AND REFUSE REMOVAL AND DISPOSAL. CONTRACTOR TO PAY ALL DUMPING FEES.
- E. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE SITE AND SHALL NOTIFY THE OWNERS PROJECT MANAGER IMMEDIATELY OF ANY UNCERTAINTIES OR DISCREPANCIES.
- F. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADING NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WHO ENTER AREAS ADJACENT TO THE DEMOLITION AREA DURING CONSTRUCTION.
- G. THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THE WORK. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, AND RUBBISH FROM AND ABOUT THE PROJECT AS WELL AS ALL TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY.
- H. PROVIDE PROTECTION AND CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY OR DAMAGE TO PERSONS OR PROPERTY.
- I. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF EXISTING ROOF STRUCTURE DURING DEMOLITION AND CONSTRUCTION OF NEW BEARING WALL FRAMING.
- J. ALL ITEMS TAKEN OUT DURING DEMOLITION NOT TO BE SALVAGED FOR OWNER OR REUSED IN THE WORK SHALL BE REMOVED FROM THE PROPERTY.
- K. ALL SURPLUS EQUIPMENT AND MATERIALS ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE DISPOSAL OF ANY AND ALL SURPLUSES.
- L. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE OR-O.S.H.A. STANDARDS BOTH FOR ALL EMPLOYEES AND THE GENERAL PUBLIC.
- M. PRIOR TO BEGINNING ANY DEMOLITION, A SURVEY OF THE PROPOSED DEMOLITION SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE CONNECTIONS, AND AS BUILT CONDITIONS OF THE AREA TO BE DISMANTLED. THE CONTRACTOR SHALL NOTIFY OWNERS PROJECT MANAGER PRIOR TO PROCEEDING WITH DEMOLITION OF ANY CONDITION WHICH MIGHT CAUSE THE COLLAPSE OF ANY PORTION OF THE BUILDING OR POSE A DANGER TO PUBLIC SAFETY.
- N. REMOVE EXISTING PLUMBING, ELECTRICAL AND MECHANICAL IN DEMOLISHED WALLS, NOTE THE FOLLOWING ITEMS.
  - 1. REMOVE / CAP ALL PLUMBING PIPING BELOW FINISH FLOOR LINE AS REQUIRED.
  - 2. REMOVE ALL ABANDONED ELECTRICAL LINES BACK TO PANEL.
- O. DETERMINE IF ANY TYPE OF HAZARDOUS CHEMICALS, FLAMMABLE MATERIALS OR SIMILAR DANGEROUS SUBSTANCE, INCLUDING ASBESTOS, HAVE BEEN USED IN ANY PIPES. WHEN THE PRESENCE OF SUCH SUBSTANCE IS APPARENT OR SUSPECT, TESTING AND PURGING SHALL BE PERFORMED AND THE HAZARD ABATED, REMOVED, OR ELIMINATED BY APPROVED HAZ. MAT. CONTRACTORS BEFORE DEMOLITION STARTS OR CONTINUES.
- P. CONTRACTOR SHALL MAINTAIN MINIMAL LIGHTING IN DEMO SPACES TO PREVENT INJURY OR HARM.
- Q. EXISTING WALLS TO REMAIN SHALL BE REPAIRED AND REFINISHED AS REQUIRED TO PROVIDE A UNIFORM SURFACE, MATCHING ADJACENT NEW SURFACES FOR THE APPLICATION OF NEWLY INDICATED FINISHES.
- R. THE PUBLIC SHALL BE PROTECTED FROM DEMOLITION MATERIAL, DUST, FUMES, ETC. BY BARRIERS AND/OR PLASTIC SHEETS AS REQUIRED. DEMOLITION WORK SHALL CEASE IF THE PUBLIC IS ENDANGERED IN ANY WAY.
- S. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AT THE SITE WORK AREA, PROTECT THEM FROM DAMAGE, AND REPORT ANY DISCREPANCIES TO THE OWNERS PROJECT MANAGER PRIOR TO CONSTRUCTION.
- T. IF DEMOLITION WORK RESULTS IN CONDITIONS THAT BREACH THE BUILDING ENVELOPE PRIOR TO THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PROVIDE TEMPORARY CLOSER OF THE BUILDING ENVELOPE TO RETAIN HEAT AND PREVENT DAMAGE TO THE INTERIOR OF THE BUILDING FROM THE ELEMENTS.
- U. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THE SPECIFIED AREAS. ALL DEMO WORK IS NOT DETAILED ON THESE DRAWINGS. REMOVAL AND RELOCATION OF SOME EXISTING ELECTRICAL WORK SHALL BE NEEDED FOR SATISFACTORY PERFORMANCE OF THIS AND OTHER TRADES. PROPOSALS SHALL INCLUDE CONSIDERATIONS FOR ANY AND ALL REQUIRED CHANGES. THE INTENT OF THIS DRAWING IS TO RELATE THE GENERAL EXTENT OF DEMO REQUIRED AND NOT TO INDICATE ALL DEVICES, REMOVALS, RECONNECTIONS, OR ADDITIONAL WORK REQUIRED.
- V. WHERE AN EXISTING FIXTURE OR DEVICE IS REMOVED BUT THE CIRCUIT(S) AND BOX ARE TO REMAIN TO MAINTAIN CIRCUIT CONTINUITY, THEN THE CONTRACTOR IS TO PROVIDE AN APPROPRIATE BLANK COVER PLATE ON THE BOX TO MATCH THE COVER PLATES ON ADJACENT DEVICES IN THE AREA.

GENERAL NOTES

- A. ALL EXPOSED SURFACES IN AREAS DISTURBED BY DEMOLITION SHALL BE ADEQUATELY PREPARED TO RECEIVE NEW MATERIALS AND FINISHES.
- B. UNLESS DETAILED OR SCHEDULED OTHERWISE, ALL INTERIOR AREAS AFFECTED BY DEMOLITION WORK SHALL BE PATCHED AND/OR REPAIRED TO MATCH EXISTING ADJACENT SURFACES AND FINISHES.
- C. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, CITY AND FEDERAL CODES, STANDARDS AND ORDINANCES.
- D. ALL INTERIOR FLOORS AND SALVAGEABLE EQUIPMENT AND MATERIALS ARE TO BE RECYCLED, UNLESS OTHERWISE NOTED BY THE OWNER.
- E. REMOVE ALL ABANDONED THERMOSTATS AND CONTROLLERS FOR THE HVAC SYSTEM. PATCH WALLS AS REQUIRED.
- F. REMOVE ALL ABANDONED ELECTRICAL OUTLETS, SWITCHES, AND RELATED COMPONENTS IN AREAS OF DEMOLITION.
- G. CAP ALL ABANDONED PLUMBING PIPING BELOW FINISH FLOOR AND PATCH AS REQUIRED.
- H. DIMENSIONS SHALL BE FROM OUTSIDE FACE OF STUD FRAMING, UNLESS OTHERWISE NOTED/INDICATED.

SEPARATE PERMITS



INTERIOR REMODEL FOR  
OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

HVAC DEMOLITION  
FLOOR PLAN

DATE: 04/23/19  
REVISED DATE:  
SHEET: M2.1



Ventilation Air Schedule - ASHRAE 62.1-2013/OMSC 2014									
Room Name and Number	Area (SQ. FT.)	OSA Required (CFM)	OSA Being Provided in Space (CFM)	Supply Air to Space (CFM)	Makeup Air to Space (CFM)	Return Air from Space (CFM)	Required Exhaust (CFM)	Exhaust Air from Space (CFM)	Equipment Mark No.
Classroom 1	2293	213	736	1275	0	1275	0	0	ACHP-1
Classroom 2	350	212	736	1275	0	1275	0	0	ACHP-1
Office 107	200	34	130	225	0	0	0	0	ACHP-1
Study 102	200	211	361	625	0	850	0	0	ACHP-1
Restroom 105	50	0	29	0	50	0	50	50	ACHP-1/EF-1
Restroom 104	50	0	29	0	50	0	50	50	ACHP-1/EF-1
Data Closet 108	121	0	7	0	50	0	0	50	ACHP-2/EF-1
<b>TOTAL</b>	<b>3214</b>	<b>670</b>	<b>2019</b>	<b>3400</b>	<b>150</b>	<b>3400</b>	<b>100</b>	<b>150</b>	
Outside air design total:		2048			58%				

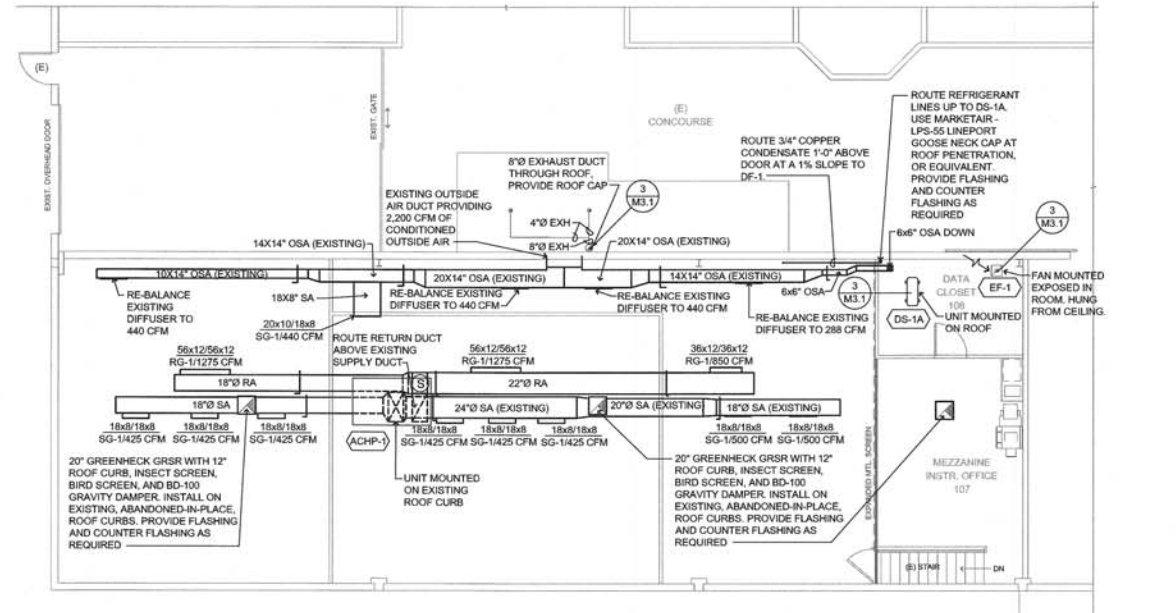
Room Name and Number	Area (SQ. FT.)	Total OSA Required (CFM)	OSA Being Provided in Space (CFM)	Supply Air to Space (CFM)	Makeup Air to Space (CFM)	Return Air from Space (CFM)	Required Exhaust (CFM)	Exhaust Air from Space (CFM)	Equipment Mark No.
Computer Lab 101	348	152	152	1050	0	1050	0	0	DS-1
<b>TOTAL</b>	<b>348</b>	<b>152</b>	<b>152</b>	<b>1050</b>	<b>0</b>	<b>1050</b>	<b>0</b>	<b>0</b>	
Outside air design total:		152			14%				

EXHAUST FAN SCHEDULE										
Mark Number	Location	Airflow (CFM)	ESP ("WG)	Speed Controller	Controller	Manufacturer and Model Number	VOLTAGE	Electrical HP	WATTS	Remark
EF-1	Restrooms/Data Rm.	50	0.300	NA	Continuous	Broan ANE80	120-1PHASE	-	36	1

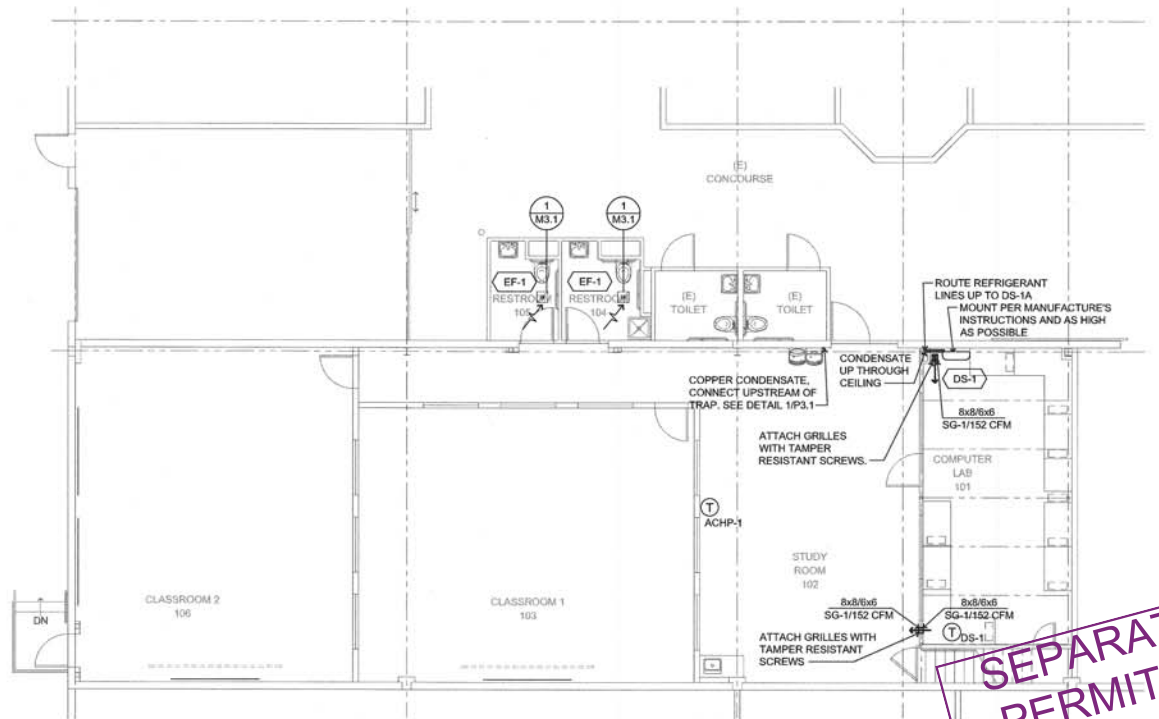
1. Fan to come with integrated back-draft damper  
2. Provide MMG Metal grille accessory

ROOFTOP HEAT PUMPS												
MARK NUMBER	AIRFLOW (CFM)	SPEED	REFRIGERANT TYPE	COOLING (MBH)	EER/IEER/SEER RATING	HEATING (MBH)	HeatPump (COP/HSPF)	AUXILIARY (KW)	WEIGHT INDOOR/OUTDOOR (LBS)	MANUFACTURER - MODEL NUMBER	VOLTAGE	REMARKS
ARHP-1	3550	HIGH	R-410A	102	10.4/11.4/-	102	3.58/-	0	-929	TRANE WSC102H	208	45 70 1.2
DS-1/1A	430	HIGH	R-410A	10.9	12.5/19	13.5	3.8/9	0	18/60	Daikin FTX12NMVJU/RX12NMVJU	208-1PHASE	11.8 20 1.3

- Notes:  
1) Provide wall mount thermostat with locking covers  
2) Curb addaptor will be required. Coordinate curb adaptor sizing with Will Johannsen (503)-620-8031 at Trane Oregon  
3) Provide condensate pump accessory DCA-CP-3-1  
4) Provide with dry bulb economizer with barometric relief and return duct smoke detector



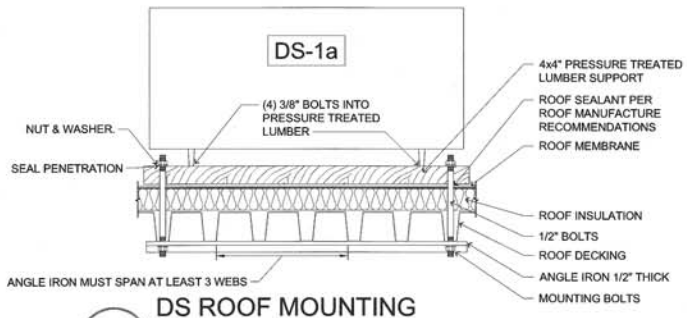
MEZZANINE PLAN  
SCALE: 1/8"=1'-0"



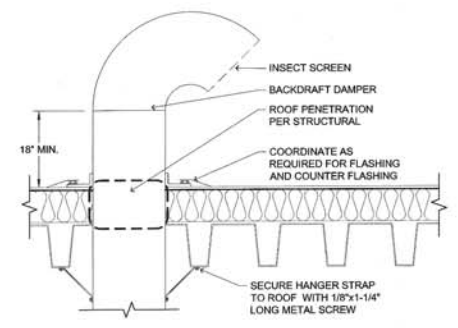
FLOOR PLAN  
SCALE: 1/8"=1'-0"

SEPARATE PERMIT(S)

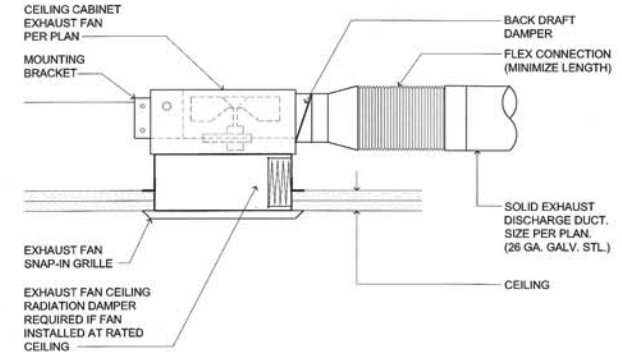
**MECHANICAL LAYOUT NOTE:**  
THE MECHANICAL LAYOUT REPRESENTATIONS ON THESE DOCUMENTS ARE FOR SCHEMATIC LOCATIONS ONLY AND ARE NOT INTENDED AS APPLICATION DETAILS. HVAC CONTRACTORS ARE RESPONSIBLE FOR FINAL REVIEW/COORDINATION OF DUCT LAYOUT WITH ALL OTHER BUILDING SYSTEMS INCLUDING BUT NOT LIMITED TO STRUCTURAL, ELECTRICAL & HVAC SYSTEMS. IF A CONFLICT OCCURS, CONSULT ARCHITECT/ENGINEER IMMEDIATELY.



DS ROOF MOUNTING  
SCALE: N.T.S.



GOOSE NECK EXHAUST  
SCALE: N.T.S.



CEILING EXHAUST FAN  
SCALE: N.T.S.



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HVAC FLOOR PLAN



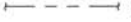












DATE  
04/23/19

REVISED DATE

SHEET  
M3.1



### PLUMBING LEGEND

	CW	COLD WATER PIPING		FCO	CLEANOUTS TO GRADE OR FINISH FLOOR, WITH COVER AND TAMPER PROOF SCREWS.
	HW	DOMESTIC HOT WATER PIPING		WCO	CLEANOUTS FLUSH TO WALL, WITH CHROME COVER PLATE AND DAMPER PROOF SCREWS.
	V	VENT PIPING		VTR	VENT PIPING THROUGH ROOF
	W	SANITARY SEWER		(E)	EXISTING
	FS	FLOOR SINK		(D)	DEMOLISHED
	FD	FLOOR DRAIN			
		PLUMBING CONNECTION			
		PIPE DOWN			
		VENT PIPE UP			
		BALL VALVE			

### MATERIALS FOR DRAIN, WASTE, VENT PIPE, AND FITTINGS

MATERIAL	ABOVE GROUND DRAIN / VENT PIPE	UNDERGROUND BUILDING DRAINAGE / VENT PIPING	BUILDING SEWER PIPE	REFERENCED STANDARD PIPE	REFERENCED STANDARD(S) FITTINGS
ABS (SCHEDULE 40)	X	X	X	ASTM D 2661, ASTM D 2680 <sup>1</sup>	ASTM D 2661, ASTM D 2680 <sup>1</sup>
CAST-IRON	X	X	X	ASTM A 74, ASTM A 888, CISP 301	ASTM B 16.12, ASTM A 74, ASTM A 888, CISP 301
CO-EXTRUDED ABS (SCHEDULE 40)	X	X	X	ASTM F 1488	ASME D 2661, ASTM D 2680 <sup>1</sup>
CO-EXTRUDED PVC (SCHEDULE 40)	X	X	X	ASTM F 891	ASME D 2665, ASTM D 794 <sup>1</sup> , ASTM F 1866
COPPER (TYPE DWV)	X	X	X	ASTM B43, ASME B 75, ASTM B 251, ASTM 302, ASTM B 306	ASME B16.23, ASME B 16.29
GALVANIZED MALLEABLE IRON		X			ASME B 16.3
GALVANIZED STEEL		X		ASTMA 53	
POLYETHYLENE			X	ASTM F 714	
PVC (SCHEDULE 40)	X	X	X	ASTM D 1785, ASTM D 2665, ASTM F 794 <sup>1</sup>	ASTM D 2665, ASTM F 794 <sup>1</sup> , ASTM F 1866
STAINLESS STEEL 304		X		ASTM A 112.3.1	ASTM A 112.3.1
STAINLESS STEEL 316L	X	X	X	ASTM A 112.3.1	ASTM A 112.3.1
VITRIFIED CLAY (EXTRA STRENGTH)			X	ASTM C 700	ASTM C 700

<sup>1</sup> For building sewer applications

### BUILDING CODE SUMMARY

**SCOPE OF WORK:**  
SCOPE OF WORK INCLUDES AN INTERIOR BUILDING REMODEL CONSISTING OF NEW INTERIOR CLASSROOM AND DATA ROOM WALLS, NEW WELDED HOLLOW METAL FRAME WINDOWS AND DOORS. A NEW STEEL BARRIER WILL BE LOCATED AT THE EXISTING MEZZANINE. NEW RESTROOMS ARE TO BE LOCATED ADJACENT TO THE EXISTING RESTROOMS. A NEW EXTERIOR DOOR OPENING AND PREFABRICATED STEEL STAIRS PROVIDE AN EXIT TO THE EXTERIOR.

**APPLICABLE CODES:**

BUILDING CODE	2014 OREGON STRUCTURAL SPECIALTY CODE
ELECTRICAL CODE	2017 OREGON ELECTRICAL SPECIALTY CODE
MECHANICAL CODE	2014 OREGON MECHANICAL SPECIALTY CODE
PLUMBING CODE	2017 OREGON PLUMBING SPECIALTY CODE
ENERGY CODE	2014 OREGON ENERGY EFFICIENCY SPECIALTY CODE
ACCESSIBILITY CODE	2014 OREGON ICC A117.1-2009
FIRE CODE	2014 OREGON FIRE CODE, N.F.P.A.

### MATERIALS FOR BUILDING SUPPLY AND WATER DISTRIBUTION PIPING AND FITTINGS

MATERIAL	BUILDING SUPPLY PIPE AND FITTINGS	WATER DISTRIBUTION PIPE AND FITTINGS	REFERENCED STANDARD PIPE	REFERENCED STANDARD(S) FITTINGS
COPPER	X	X	ASTM B42, ASTM B75, ASTM B88, ASTM B135, ASTM B43, ASTM B 251, ASTM B302, ASTM B447	ASTM B16.15, ASME B16.18, ASME B16.22, ASME B16.26, ASME B16.51
CPVC	X	X	ASTM D 2846, ASTM F 441, ASTM F 442, CSA B137.6	ASTM D 2846, ASTM F 437, ASTM F 438, ASTM F 439, ASTM F 1970, CSA B137.6
DUCTILE-IRON	X	X	AWWA C151	ASME B 16.4, AWWA C110, AWWA C153
GALVANIZED STEEL	X	X	ASTM A 53	
MALLEABLE IRON	X	X		ASME B 16.3
PE	X <sup>1</sup>		ASTM D 2238, ASTM D 2737, ASTM D 3035, AWWA C901, CSA B137.1	ASTM D 2609, ASTM D 2683, ASTM D 3261, ASTM F 1055, CSA B137.1
PE-AL-PE	X	X	ASTM F 1282, CSA B137.9	ASTM F 1282, ASTM F 1974, CSA B137.9
PEX <sup>3,4</sup>	X	X	ASTM F 876, ASTM F 877, CSA B137.5, AWWA C904	ASSE 1061, ASTM F 877, ASTM F 1807, ASTM F 1960, ASTM F 1961, ASTM F 2080, ASTM F 2159, CSA B137.5
PEX-AL-PEX <sup>2</sup>	X	X	ASTM F 1281, ASTM F 2262, CSA B137.10	ASTM F 1281, ASTM F 1974, ASTM F 2434, CSA B137.10
PVC	X <sup>1</sup>		ASTM D 1785, ASTM D 2241, AWWA C900	ASTM D 2464, ASTM D 2466, ASTM D 2467, ASTM F 1970
STAINLESS STEEL	X	X	ASTM A 269, ASTM A 312	

<sup>1</sup> For building supply or cold-water applications  
<sup>2</sup> (BSC, DSA-SS, DSA-SS/CC, AND HCD) The use of pex-al-pex in potable water supply systems is not adopted.  
<sup>3</sup> (BSC, DSA-SS, DSA-SS/CC, AND HCD, AGR, AND DPH) When pex tubing is placed in soil and is used in potable water systems intended to supply drinking water to fixtures or appliances, the tubing or piping shall be sleeved with a material approved for potable water use in soil or other material that is impermeable to solvents or petroleum products.  
<sup>4</sup> (BSC, DSA-SS, DSA-SS/CC, AND HCD, AGR, AND DPH) Pex tubing shall meet the requirements of NSF P171 CL-R ASTM F 876-08 or equivalent or more stringent standard when used in continuously recirculating hot water systems where chlorinated water is supplied to the system and the PEX tubing is exposed to the hot water 100% of the time.

### DRAWING INDEX

NO.	DESCRIPTION
	PLUMBING
P0.0	PLUMBING COVER SHEET
P2.1	PLUMBING DEMOLITION FLOOR PLAN
P3.1	PLUMBING FLOOR PLAN

### REVISION DESCRIPTIONS

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- ### GENERAL PROJECT NOTES
- REFER TO ARCHITECTURAL FLOOR PLANS FOR SPECIFIC FIXTURE LAYOUT.
  - PIPE ISOLATORS AND HANGERS 1 1/4" AND LESS: LSP SPECIALTY PRODUCTS FLEX-FIN SYSTEM. INSTALL AT ALL STUD OR JOIST PENETRATIONS.
  - PIPE INSTALLATION: SUPPORT AND INSTALLATION DETAILS PER OPSC 2017. INSTALL PIPING PARALLEL WITH BUILDING LINES. INSTALL INTERIOR WATER PIPING GRADED TO DRAIN AT LOW POINTS WITH PLUGGED TEES. TRENCH AND BACKFILL FOR EXTERIOR PIPING AT DEPTHS AND GRADE WITH GRAVEL BEDDING PER LOCAL ORDINANCES AND PER DETAIL ON DRAWING. KEEP OPENING PIPING CLOSED DURING INSTALLATION. PROVIDE FOR EXPANSION, LOCATE OFFSETS AND SPRING PIECES WHERE NECESSARY.
  - WATER HAMMER ARRESTERS MEETING ASSE 1010 OR PDI-WH201 SHALL BE INSTALLED FOR EACH FLUSH VALVE WATER CLOSET AND BE INSTALLED AS CLOSE AS POSSIBLE TO THE VALVE.
  - VALVES: INSTALL BALL VALVES AT LOCATIONS INDICATED ON PLUMBING SCHEMATIC. VALVES BELOW GRADE TO BE INSTALLED IN CAST IRON OR REINFORCED CONCRETE BOXES WITH LABELED COVERS.
  - UNIONS: INSTALL UNIONS OR APPROVED DISCONNECTS AT ALL EQUIPMENT CONNECTIONS.
  - OTHER MATERIALS: OTHER MATERIALS REQUIRED FOR COMPLETE INSTALLATION TO BE SELECTED BY CONTRACTOR. COMPLY WITH MINIMUM CODE REQUIREMENTS.
  - PLUMBING CONTRACTOR IS BOUND BY GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1.
  - WASTE AND VENT PIPING INSTALLATION: FLASH AND COUNTERFLASH VENTS.
  - PLUMBING FIXTURES: EACH FIXTURE TO HAVE STOP VALVES. ALL TRIM TO BE CHROME PLATED. ESCUTCHEON PLATES TO BE PROVIDED FOR EXPOSED LINES THROUGH WALLS AND FLOORS. INSTALL WALL CARRIERS AS REQUIRED FOR WALL HUNG FIXTURES. EXPOSED TRAPS TO BE C.P. 17 GAUGE BRASS.
  - PIPE ROOF PENETRATION FLASHING: FLAT ROOF - SINGLE MEMBRANE TYPE: ALL PIPING AND CONDUIT ROOF PENETRATIONS TO BE WEATHERPROOF WITH BOOT TYPE, FLANGED, SEALING SYSTEM. NEOPRENE SEALING PIPE CONTACT INSTALL PER ROOFING MANUFACTURER AND BOOT MANUFACTURER'S INSTRUCTIONS. PORTALS PLUS INC., BENSENVILLE, IL., OR APPROVED EQUAL.
  - PIPE ROOF PENETRATION FLASHING: FLAT ROOF - BUILT-UP ROOF OR MODIFIED BITUMEN ROOF SYSTEM: ALL PIPING AND CONDUIT ROOF PENETRATIONS TO BE WEATHERPROOF WITH MOLDED RESIN TYPE, MORTAR AND ROOF CEMENT "PITCH-POCKET" TYPE SEALANT SYSTEM. INSTALL PER MANUFACTURER'S INSTRUCTIONS. MILLENNIUM ADHESIVE CO. "LOCKN POCKET".
  - PIPE ROOF PENETRATION FLASHING: PITCHED ROOF - SHINGLE, SHAKE OR TILE: ALL PIPING AND CONDUIT ROOF PENETRATIONS TO BE WEATHERPROOF WITH BOOT TYPE, FLANGED, SEALANT SYSTEM, WITH TRIPLE "O" RING PIPE CONTACT SEAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS. LSP SPECIALTY PRODUCTS P-4030 TO P-4033.
  - SEE HVAC DRAWINGS FOR MECHANICAL EQUIPMENT LAYOUT. MAINTAIN REQUIRED SEPARATION OF PLUMBING VENTS FROM HVAC INTAKE OPENINGS.
  - PROVIDE TRAP PRIMERS AT ALL PUBLIC RESTROOMS, LAUNDRY ROOMS, & MECH. ROOMS.
  - PROVIDE BACK FLOW DEVICE ON ICE MACHINE FILTER IN MAIN KITCHEN. COFFEE MAKER. SO2A CARBONATION LINE, ANY CHEMICAL DISPENSING EQUIPMENT AND AS REQUIRED BY LOCAL CODES.

SEPARATE PERMIT(S)



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PLUMBING  
COVER SHEET

DATE  
04/23/19

REVISED DATE

SHEET  
P1.0



**LEGEND**

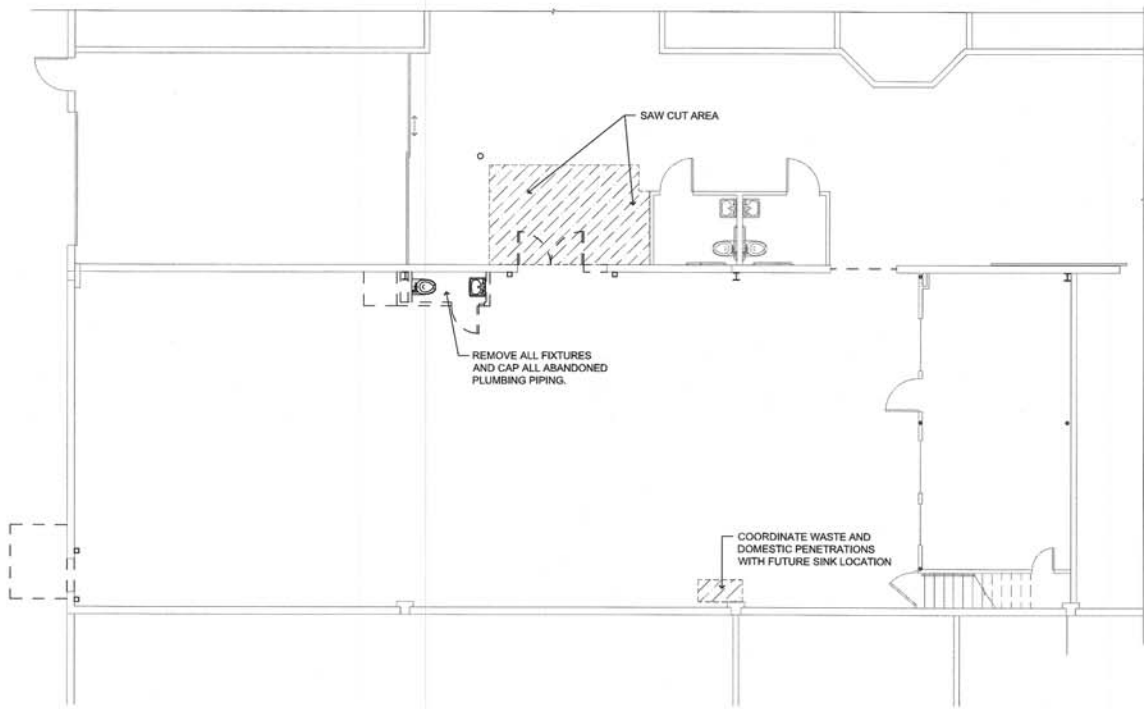
EXISTING CONSTRUCTION  
EXISTING CONSTRUCTION TO BE REMOVED



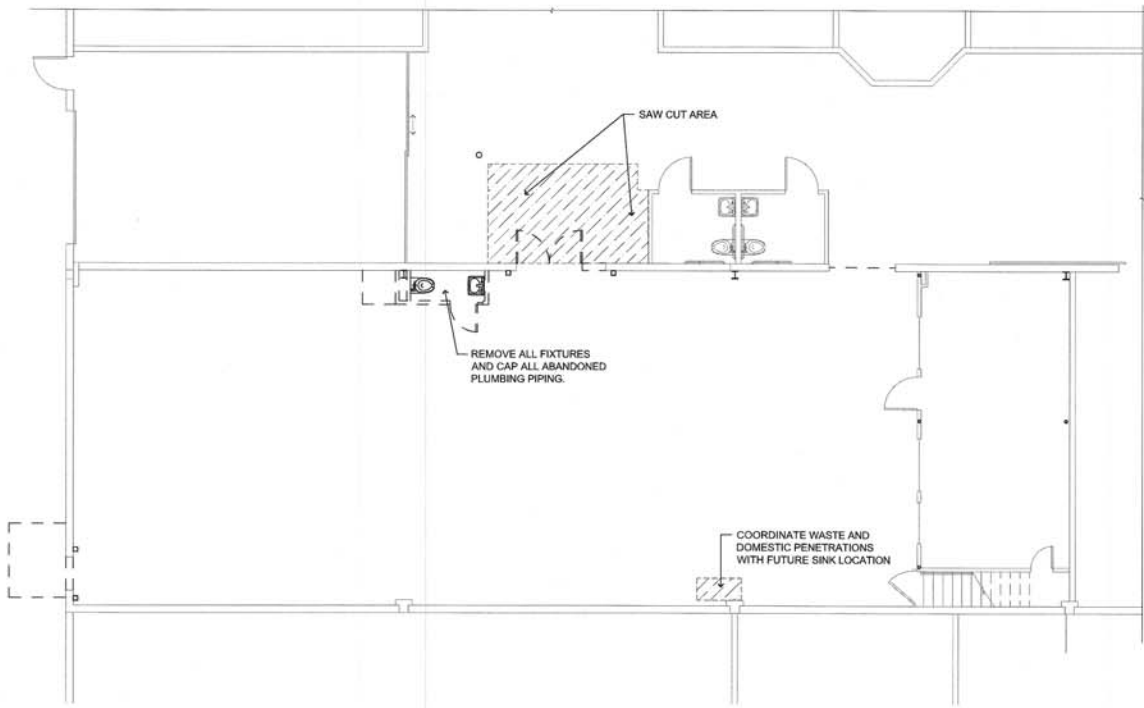
RENEWAL DATE 05-23-2023

**CONTRACTOR DEMOLITION PLAN NOTES:**

- A. THE CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH THE JOB SITE AND WITH EXISTING CONDITIONS WHICH MAY IMPACT THE WORK.
- B. THE CONTRACTORS SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL PAY ALL REQUIRED FEES FOR THE WORK.
- C. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.
- D. CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES CONCERNING DEMOLITION OPERATIONS AND REFUSE REMOVAL AND DISPOSAL. CONTRACTOR TO PAY ALL DUMPING FEES.
- E. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE SITE AND SHALL NOTIFY THE OWNERS PROJECT MANAGER IMMEDIATELY OF ANY UNCERTAINTIES OR DISCREPANCIES.
- F. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADING NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WHO ENTER AREAS ADJACENT TO THE DEMOLITION AREA DURING CONSTRUCTION.
- G. THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THE WORK. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, AND RUBBISH FROM AND ABOUT THE PROJECT AS WELL AS ALL TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY.
- H. PROVIDE PROTECTION AND CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY OR DAMAGE TO PERSONS OR PROPERTY.
- I. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF EXISTING ROOF STRUCTURE DURING DEMOLITION AND CONSTRUCTION OF NEW BEARING WALL FRAMING.
- J. ALL ITEMS TAKEN OUT DURING DEMOLITION NOT TO BE SALVAGED FOR OWNER OR REUSED IN THE WORK SHALL BE REMOVED FROM THE PROPERTY.
- K. ALL SURPLUS EQUIPMENT AND MATERIALS ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE DISPOSAL OF ANY AND ALL SURPLUSES.
- L. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE OR -O.S.H.A. STANDARDS BOTH FOR ALL EMPLOYEES AND THE GENERAL PUBLIC.
- M. PRIOR TO BEGINNING ANY DEMOLITION, A SURVEY OF THE PROPOSED DEMOLITION SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE CONNECTIONS, AND AS BUILT CONDITIONS OF THE AREA TO BE DISMANTLED. THE CONTRACTOR SHALL NOTIFY OWNERS PROJECT MANAGER PRIOR TO PROCEEDING WITH DEMOLITION OF ANY CONDITION WHICH MIGHT CAUSE THE COLLAPSE OF ANY PORTION OF THE BUILDING OR POSE A DANGER TO PUBLIC SAFETY.
- N. REMOVE EXISTING PLUMBING, ELECTRICAL AND MECHANICAL IN DEMOLISHED WALLS, NOTE THE FOLLOWING ITEMS.
  - 1. REMOVE / CAP ALL PLUMBING PIPING BELOW FINISH FLOOR LINE AS REQUIRED.
  - 2. REMOVE ALL ABANDONED ELECTRICAL LINES BACK TO PANEL.
- O. DETERMINE IF ANY TYPE OF HAZARDOUS CHEMICALS, FLAMMABLE MATERIALS OR SIMILAR DANGEROUS SUBSTANCE INCLUDING ASBESTOS, HAVE BEEN USED IN ANY PIPES. WHEN THE PRESENCE OF SUCH SUBSTANCE IS APPARENT OR SUSPECT, TESTING AND PURGING SHALL BE PERFORMED AND THE HAZARD ABATED, REMOVED, OR ELIMINATED BY APPROVED HAZ. MAT. CONTRACTORS BEFORE DEMOLITION STARTS OR CONTINUES.
- P. CONTRACTOR SHALL MAINTAIN MINIMAL LIGHTING IN DEMO SPACES TO PREVENT INJURY OR HARM.
- Q. EXISTING WALLS TO REMAIN SHALL BE REPAIRED AND REFINISHED AS REQUIRED TO PROVIDE A UNIFORM SURFACE, MATCHING ADJACENT NEW SURFACES FOR THE APPLICATION OF NEWLY INDICATED FINISHES.
- R. THE PUBLIC SHALL BE PROTECTED FROM DEMOLITION MATERIAL, DUST, FUMES, ETC. BY BARRIERS AND/OR PLASTIC SHEETS AS REQUIRED. DEMOLITION WORK SHALL CEASE IF THE PUBLIC IS ENDANGERED IN ANY WAY.
- S. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AT THE SITE WORK AREA, PROTECT THEM FROM DAMAGE, AND REPORT ANY DISCREPANCIES TO THE OWNERS PROJECT MANAGER PRIOR TO CONSTRUCTION.
- T. IF DEMOLITION WORK RESULTS IN CONDITIONS THAT BREACH THE BUILDING ENVELOPE PRIOR TO THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PROVIDE TEMPORARY CLOSER OF THE BUILDING ENVELOPE TO RETAIN HEAT AND PREVENT DAMAGE TO THE INTERIOR OF THE BUILDING FROM THE ELEMENTS.
- U. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THE SPECIFIED AREAS. ALL DEMO WORK IS NOT DETAILED ON THESE DRAWINGS. REMOVAL AND RELOCATION OF SOME EXISTING ELECTRICAL WORK SHALL BE NEEDED FOR SATISFACTORY PERFORMANCE OF THIS AND OTHER TRADES. PROPOSALS SHALL INCLUDE CONSIDERATIONS FOR ANY AND ALL REQUIRED CHANGES. THE INTENT OF THIS DRAWING IS TO RELATE THE GENERAL EXTENT OF DEMO REQUIRED AND NOT TO INDICATE ALL DEVICES, REMOVALS, RECONNECTIONS, OR ADDITIONAL WORK REQUIRED.
- V. WHERE AN EXISTING FIXTURE OR DEVICE IS REMOVED BUT THE CIRCUIT(S) AND BOX ARE TO REMAIN TO MAINTAIN CIRCUIT CONTINUITY, THEN THE CONTRACTOR IS TO PROVIDE AN APPROPRIATE BLANK COVER PLATE ON THE BOX TO MATCH THE COVER PLATES ON ADJACENT DEVICES IN THE AREA.



**DOMESTIC DEMOLITION FLOOR PLAN**  
SCALE: 1/4"=1'-0"



**WASTE DEMOLITION FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**GENERAL NOTES**

- A. ALL EXPOSED SURFACES IN AREAS TO BE DEMOLISHED SHALL BE ADEQUATELY PROTECTED FROM NEW MATERIALS AND FINISHES.
- B. UNLESS OTHERWISE SCHEDULED OTHER INTERIOR AREAS AFFECTED BY DEMOLITION WORK SHALL BE PROTECTED AND OR REPAIRED TO MATCH EXISTING SURFACE FINISHES AND FINISHES.
- C. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, CITY AND FEDERAL CODES, STANDARDS AND ORDINANCES.
- D. ALL WINDOWS/DOORS AND SALVAGEABLE EQUIPMENT AND MATERIALS TO BE RECYCLED/DISPOSED AT OWNERS REQUEST.
- E. ALL ELIGIBLE DEMOLISHED MATERIALS ARE TO BE RECYCLED, COORDINATE WITH OWNER.
- F. REMOVE ALL ABANDONED THERMOSTATS AND CONTROLLERS FOR THE HVAC SYSTEM. PATCH WALLS AS REQUIRED.
- G. REMOVE ALL ABANDONED ELECTRICAL OUTLETS, SWITCHES, AND RELATED COMPONENTS IN AREAS OF DEMOLITION.
- H. CAP ALL ABANDONED PLUMBING PIPING BELOW FINISH FLOOR AND PATCH AS REQUIRED.
- I. DIMENSIONS SHALL BE FROM OUTSIDE FACE OF STUD FRAMING, UNLESS OTHERWISE NOTED/INDICATED.

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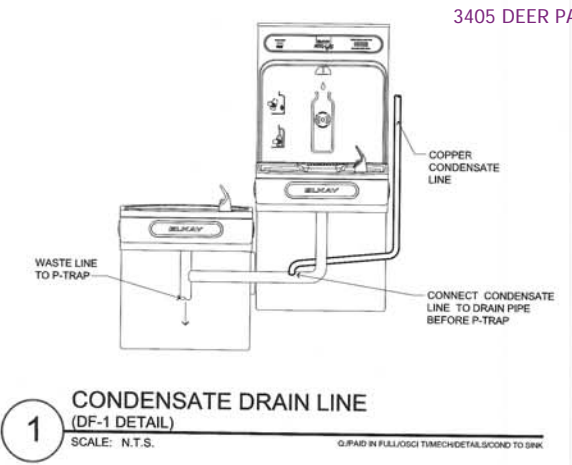
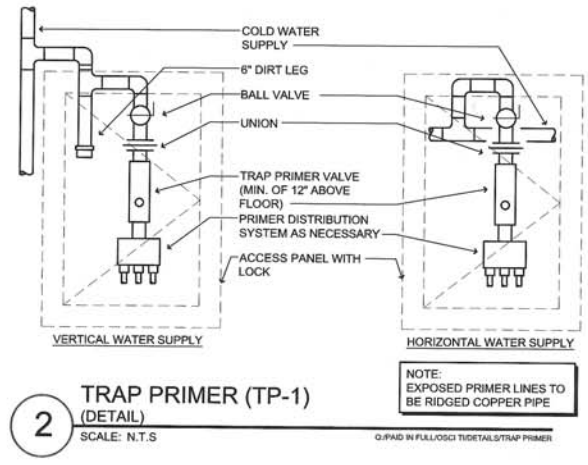
**PLUMBING DEMOLITION FLOOR PLAN**

DATE  
04/23/19

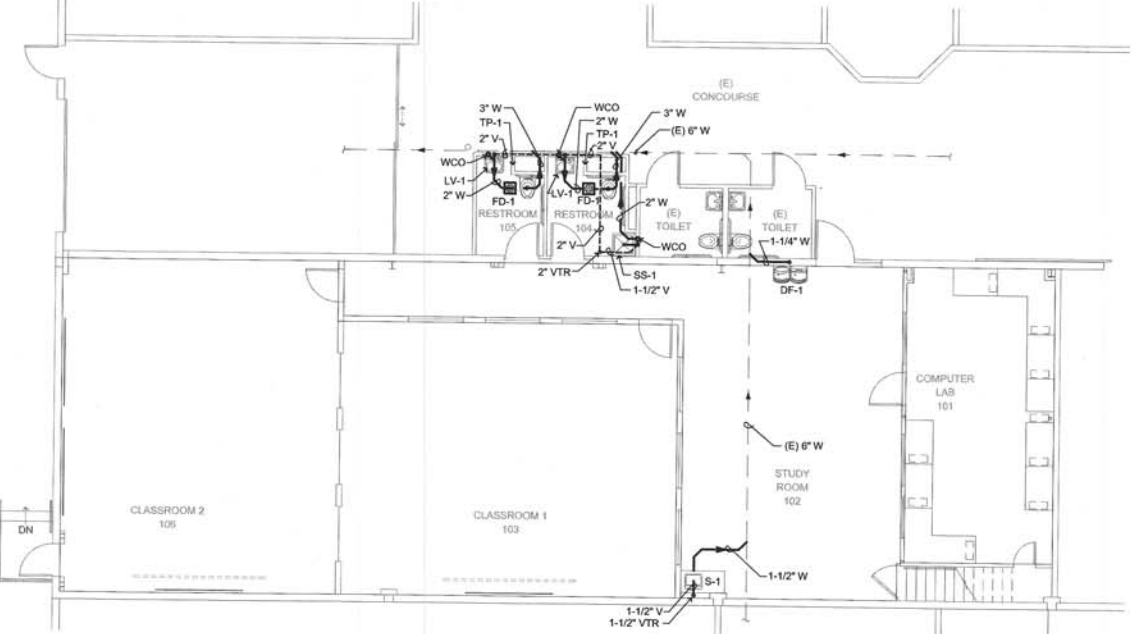
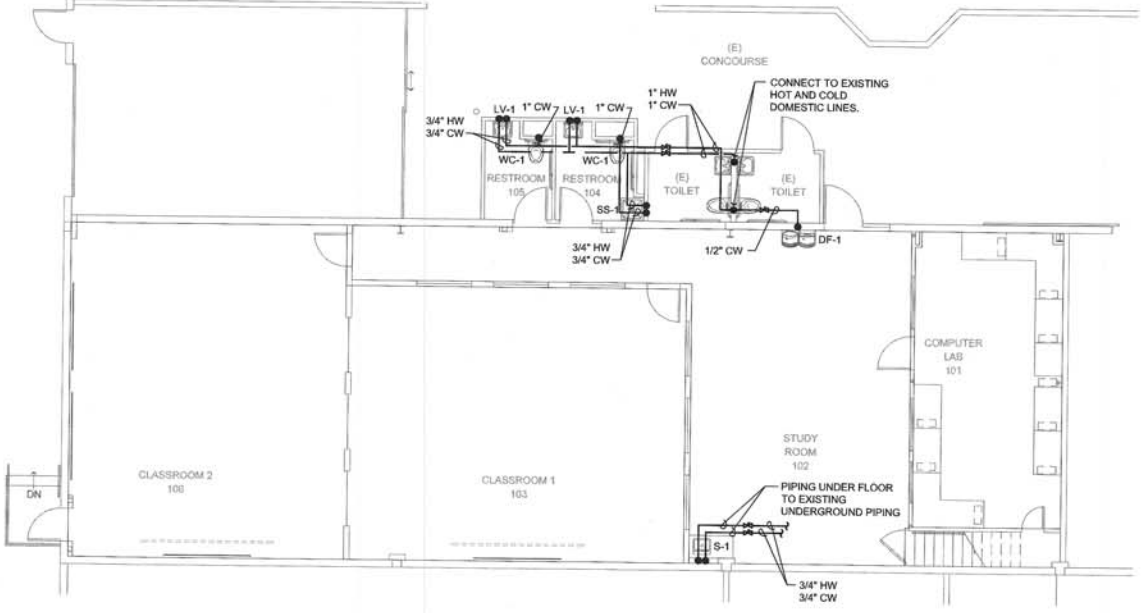
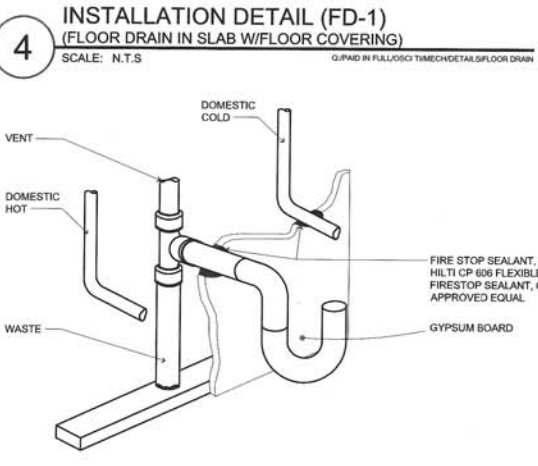
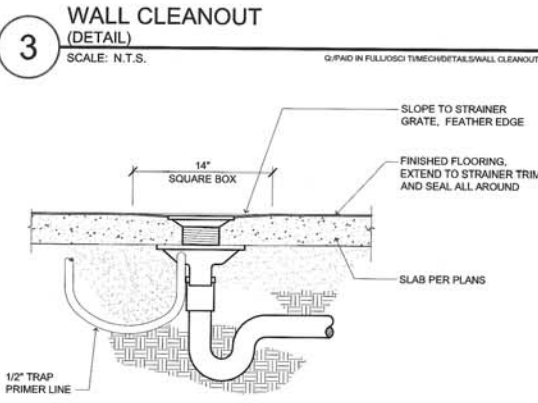
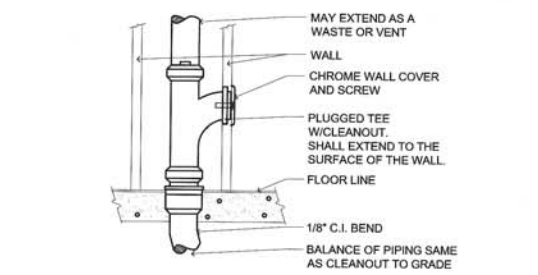
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SYM	DESCRIPTION	CONNECTION SIZE			
		W	V	CW	HW
DF-1	DRINKING FOUNTAIN: ELECTRIC WALL HUNG WATER COOLER - SELF CONTAINED BARRIER FREE WITH (2) SINKS AND BOTTLE FILLING STAION; SET ONE HIGH AND ONE LOW (ADA COMPLIANT). CAPACITY 8.8 GPH AT 80-DEGREE F AMBIENT/80-DEGREE F INLET AND 50-DEGREE F OUTLET WATER TEMPERATURE. PROVIDE HANGER (SUPPORT CARRIER), PLUG-IN AND 3-WIRE CORD (1/8HP, 115V), ELKAY LZSTLWLSK RIGHT SIDE HIGH MODEL WITH ACCESSORY APRON LKAPRZL, OR APPROVED. FITTING: 1-1/4" X 1-1/2" P-TRAP.	1-1/2"	1-1/2"	1/2"	—
FD-1	FLOOR DRAIN: CAST-IRON BODY WITH ADJUSTABLE ROUND POLISHED NICKEL BRONZE TOP. STRAINER DIAMETER 6 IN. PROVIDE WITH P-TRAP AND TRAP PRIMER (TP-1), J.R. SMITH 2005-A ON CONCRETE FLOOR, OR APPROVED. 2 INCH DRAIN ON ALL PUBLIC RESTROOMS.	2"	1-1/2"	—	—
LV-1	SINK: ADA COMPLIANT WALL MOUNT LAVATORY KOHLER K-2005 20" X 18" VITREOUS CHINA. FRONT OVERFLOW FAUCET 3 HOLES ON 8" O.C. WITH RIGHT SIDE SOAP DISPENSER. ADA COMPLIMENT DRAIN AND FAUCET HARDWARE, 0.5 GPM, ASSE 1070 MIXING VALVE MOEN R224, OR APPROVED.	1-1/2"	1-1/2"	1/2"	1/2"
S-1	SINK: MOEN K2045622 ADA SINGLE COMPARTMENT, HEAVY GAUGE STAINLESS STEEL. SOUND DEADENED, 15"x15" (BOWL DIM. 12"x10"), 5-1/2" DEEP, SELF-RIMMING, 4 IN. CENTER-2 HOLE, J-35 CUP STRAINER. FITTINGS: SUPPLIES, STOPS, 1-1/2 IN. P-TRAP FAUCET: MOEN 4804. KITCHEN DECK/SINGLE HANDLE TYPE, 4 IN. CENTERS, GOOSENECK SPOUT, WITH 1.5 GPM AERATOR.	2"	1-1/2"	1/2"	1/2"
SS-1	SERVICE SINK: FLORESTONE MSR-2424, 24 IN. x 24 IN. x 12 IN. MOLDED, INTEGRAL DRAIN, STAINLESS STEEL STRAINER PLATE, DUAL HANDLE WALL MOUNTED FAUCET, 832AA HOSE AND HOLDER COMBINATION AND 899 CC MOP HANGER. PROVIDE CHECK VALVE ON BOTH HOT AND COLD WATER LINE.	3"	1-1/2"	1/2"	1-1/2"
TP-1	TRAP PRIMER: PRECISION PLUMBING PRODUCT P-1, P-2 APMD WITH PRIMER DISTRIBUTION UNIT OR MANIFOLD WHERE SHOWN ON DRAWINGS. PROVIDE SHUT-OFF VALVE AT EACH TRAP	—	—	—	—
WC-1	WATER CLOSET: KOHLER K-96058-SSL-0 ELONGATED ADA FLOOR MOUNTED, 16.6 IN. H.C. HT. BOWL, VITREOUS CHINA. BOLT CAPS, SUPPLY AND STOP, SEAT: BEMIS 1500PRO. FLUSH VALVE: SLOAN MODEL 180-1.0 ROYAL MODEL FLUSHMETER.	3"	2"	1/2"	—



DEMOLITION PLAN - GENERAL NOTES

- ALL EXPOSED SURFACES IN AREAS DISTURBED BY DEMOLITION SHALL BE ADEQUATELY PREPARED TO RECEIVE NEW MATERIALS AND FINISHES.
- UNLESS DETAILED OR SCHEDULED OTHERWISE, ALL INTERIOR AREAS AFFECTED BY DEMOLITION WORK SHALL BE PATCHED/AND OR REPAIRED TO MATCH EXISTING ADJACENT SURFACES AND FINISHES.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, CITY AND FEDERAL CODES, STANDARDS AND ORDINANCES.
- ALL WINDOWS/DOORS AND SALVAGEABLE EQUIPMENT AND MATERIALS TO BE STORED/DISPOSED AT OWNERS REQUEST.
- ALL ELIGIBLE DEMOLISHED MATERIALS ARE TO BE RECYCLED, COORDINATE WITH OWNER.
- CAP ALL ABANDONED PLUMBING PIPING BELOW FINISH FLOOR AND PATCH AS REQUIRED.
- DEMOLITION AND CONSTRUCTION SHALL NOT DISTURB EXISTING BUSINESS OPERATION. COORDINATE WITH OWNER.
- DIMENSIONS SHALL BE FROM OUTSIDE FACE OF STUD FRAMING U.O.N. / INDICATED.

GENERAL NOTES

- REFER TO ARCHITECTURAL FLOOR PLANS FOR SPECIFIC FIXTURE LAYOUT.
- PIPE ISOLATORS AND HANGERS 1 1/4" AND LESS: LSP SPECIALTY PRODUCTS FLEXI-FIN SYSTEM. INSTALL AT ALL STUD OR JOIST PENETRATIONS.
- PIPE INSTALLATION: SUPPORT AND INSTALLATION DETAILS PER UPC/APC. INSTALL PIPING PARALLEL WITH BUILDING LINES. INSTALL INTERIOR WATER PIPING GRADED TO DRAIN AT LOW POINTS WITH PLUGGED TEES. TRENCH AND BACKFILL FOR EXTERIOR PIPING AT DEPTHS AND GRADE WITH GRAVEL BEDDING PER LOCAL ORDINANCES AND PER DETAIL ON DRAWING. KEEP OPENING PIPING CLOSED DURING INSTALLATION. PROVIDE FOR EXPANSION, LOCATE OFFSETS AND SPRING PIECES WHERE NECESSARY.
- VALVES: INSTALL BALL VALVES AT LOCATIONS INDICATED ON PLUMBING SCHEMATIC. VALVES BELOW GRADE TO BE INSTALLED IN CAST IRON OR REINFORCED CONCRETE BOXES WITH LABELED COVERS.
- UNIONS: INSTALL UNIONS OR APPROVED DISCONNECTS AT ALL EQUIPMENT CONNECTIONS.
- OTHER MATERIALS: OTHER MATERIALS REQUIRED FOR COMPLETE INSTALLATION TO BE SELECTED BY CONTRACTOR. COMPLY WITH MINIMUM CODE REQUIREMENTS.
- PLUMBING CONTRACTOR IS BOUND BY GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1.
- WASTE AND VENT PIPING INSTALLATION: FLASH AND COUNTERFLASH VENTS.
- PLUMBING FIXTURES: EACH FIXTURE TO HAVE STOP VALVES. ALL TRIM TO BE CHROME PLATED. ESCUTCHEON PLATES TO BE PROVIDED FOR EXPOSED LINES THROUGH WALLS AND FLOORS. INSTALL WALL CARRIERS AS REQUIRED FOR WALL HUNG FIXTURES. EXPOSED TRAPS TO BE C.P. 17 GAUGE BRASS.
- PIPE ROOF PENETRATION FLASHING: FLAT ROOF - SINGLE MEMBRANE TYPE: ALL PIPING AND CONDUIT ROOF PENETRATIONS TO BE WEATHERPROOF W/ BOOT TYPE, FLANGED, SEALING SYSTEM. NEOPRENE SEALING PIPE CONTACT INSTALL PER ROOFING MANUFACTURER AND BOOT MANUFACTURER'S INSTRUCTIONS. PORTALS PLUS INC., BENSENVILLE, IL, OR APPROVED EQUAL.
- PIPE ROOF PENETRATION FLASHING: FLAT ROOF - BUILT-UP ROOF OR MODIFIED BITUMEN ROOF SYSTEM: ALL PIPING AND CONDUIT ROOF PENETRATIONS TO BE WEATHERPROOF WITH MOLDED RESIN TYPE. MORTAR AND ROOF CEMENT "PATCH-POCKET" TYPE SEALANT SYSTEM. INSTALL PER MANUFACTURER'S INSTRUCTIONS. MILLENNIUM ADHESIVE CO. "LOCKN POKET".

PLUMBING LAYOUT NOTE:

THE PLUMBING LAYOUT REPRESENTATIONS ON THESE DOCUMENTS ARE FOR SCHEMATIC LOCATIONS ONLY AND ARE NOT INTENDED AS APPLICATION DETAILS. PLUMBING CONTRACTORS IS RESPONSIBLE FOR FINAL REVIEW/ COORDINATION OF PLUMBING LAYOUT WITH ALL OTHER BUILDING SYSTEMS INCLUDING BUT NOT LIMITED TO STRUCTURAL, ELECTRICAL & HVAC SYSTEMS. IF A CONFLICT OCCURS, CONSULT ARCHITECT/ ENGINEER IMMEDIATELY.



INTERIOR REMODEL FOR  
OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

SEPARATE PERMITS  
PLUMBING FLOOR PLAN

DATE	04/23/19
REVISED DATE	
SHEET	P3.1



ELECTRICAL LEGEND AND ABBREVIATIONS:

NOTES: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- CIRCUITING: MC, EMT, GRC WHERE SURFACE MOUNT OR SUBJECT TO DAMAGE; SCH, 80 PVC UNDER GROUND OR ENCASED IN CONCRETE. MINIMUM CONDUCTOR SIZE #12. HOME RUN ROUTE TO PANEL AND CIRCUIT SHOWN. HOME RUNS MAYBE COMBINED, PROVIDE HANDLE TIES PER NEC. LOW VOLTAGE WIRING, X = TYPE F - FIRE ALARM C - CONTROL D - DATA

WIRING DEVICES: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- 20-AMP 1-POLE QUICK MAKE/QUICK BREAK SWITCH, X = TYPE 3 = 3 WAY 4 = WAY OC = DUAL TECHNOLOGY VACUANCY SENSOR TS = DIGITAL TIME SWITCH, HP RATED EP = EMERGENCY PULL SWITCH D = DIMMING MS = MANUAL MOTOR STARTER W/ OVERLOAD PROTECTION & LOCKABLE COVER K = KEYPAD P = PILOT LIGHT SC = FAN SPEED CONTROL 20-AMP 120-VOLT DUPLEX RECEPTACLE, X = TYPE GFI = GROUND FAULT INTERRUPT IG = ISOLATED GROUND H = HOSPITAL GRADE E = CONNECTED EMERGENCY POWER SP = SPLIT WIRED 20-AMP 120-VOLT ABOVE COUNTER DUPLEX RECEPTACLE SPECIAL PURPOSE RECEPTACLE, REFER TO PLANS. 20-AMP 120-VOLT DOUBLE DUPLEX RECEPTACLE 20-AMP 120-VOLT ABOVE COUNTER DOUBLE DUPLEX RECEPTACLE 20-AMP 120-VOLT FLUSH FLOOR DUPLEX RECEPTACLE SPECIAL PURPOSE RECEPTACLE, REFER TO PLANS BASEBOARD HEATER, REFER TO PLANS WALL / CADET HEATER, REFER TO PLANS RECESSED WALL HEATER, TAG # = KW RATING, ≤ 1.5KW - 120V, > 1.5KW - 208V, INTEGRAL THERMOSTAT UNLESS OTHERWISE NOTED ON PLANS JUNCTION BOX THERMOSTAT TIME SWITCH

LIGHTING: REFER TO THE LUMINAIRE SCHEDULE

- TYPE DESIGNATION REFER TO LUMINAIRE SCHEDULE RECESSED DOWNLIGHT RECESSED DOWNLIGHT ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP SURFACE, PENDANT, SEMI-FLUSH MOUNT LUMINAIRE SURFACE, PENDANT, SEMI-FLUSH MOUNT LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP LARGE SURFACE, PENDANT, SEMI-FLUSH MOUNT LUMINAIRE LARGE SURFACE, PENDANT, SEMI-FLUSH MOUNT LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 1' BY 4' SURFACE, PENDANT, OR SUSPENDED LUMINAIRE 1' BY 4' SURFACE, PENDANT, OR SUSPENDED LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 2' BY 2' RECESSED LUMINAIRE 2' BY 2' RECESSED LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 2' BY 2' SURFACE, PENDANT, OR SUSPENDED LUMINAIRE 2' BY 2' SURFACE, PENDANT, OR SUSPENDED LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 2' BY 4' RECESSED LUMINAIRE 2' BY 4' RECESSED LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 2' BY 4' SURFACE, PENDANT, OR SUSPENDED LUMINAIRE 2' BY 4' SURFACE, PENDANT, OR SUSPENDED LUMINAIRE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP WALL MOUNTED LUMINAIRE / SCENCE WALL MOUNTED LUMINAIRE / SCENCE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 2' WALL MOUNTED LUMINAIRE / SCENCE 2' WALL MOUNTED LUMINAIRE / SCENCE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 3' WALL MOUNTED LUMINAIRE / SCENCE 3' WALL MOUNTED LUMINAIRE / SCENCE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP 4' WALL MOUNTED LUMINAIRE / SCENCE 4' WALL MOUNTED LUMINAIRE / SCENCE ON EMERGENCY POWER OR W/ EMERGENCY BATTERY BACKUP DECORATIVE PENDANT / CHANDELIER UNIVERSAL MOUNT LED EXIT SIGN W/ EXTRA FACEPLATE, ARROWS AS SHOWN CEILING FAN HEAT LAMP UNIT STRIP LIGHT, SIZE AS INDICATED AREA OF RESCUE LIGHT - SEE LIGHTING SCHEDULE FLOOD/SPOT LIGHT STEP-LIGHT SITE, AREA LUMINAIRE, ARM MOUNT SITE, AREA LUMINAIRE, POST-TOP SITE, BOLLARD DUAL TECHNOLOGY OCCUPANCY SENSOR PHOTOCCELL, ON/OFF CONTROL LIGHT LEVEL SENSOR, CONTINUOUS DIMMING CONTROL POWER, SLAVE, OR SWITCH PACK

POWER DISTRIBUTION: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- BRANCH CIRCUIT PANEL, REFER TO ONE-LINE DIAGRAM AND PANEL SCHEDULES HEAVY DUTY DISCONNECT SWITCH, REFER TO PLANS HEAVY DUTY FUSED DISCONNECT SWITCH, REFER TO PLANS MOTOR/GENERATOR, REFER TO PLANS PUSH BUTTON TRANSFORMER

COMMUNICATIONS: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- MULTI DATA OUTLET (2 DATA / 2 TELEPHONE) 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. CABLING AS INDICATED SINGLE DATA OUTLET, 3/4" CONDUIT TO ACCESSIBLE CEILING. CABLING AS INDICATED TELEVISION OUTLET, 1" CONDUIT TO ACCESSIBLE CEILING SPACE. CABLING AS INDICATED TELEPHONE OUTLET, 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE. CABLING AS INDICATED WIRELESS ACCESS POINT TELECO BACK BOARD, 4' BY 8' BY 3/4" PLYWOOD PAINTED WITH FIRE RETARDANT MAIN DISTRIBUTION FRAME OR INTERMEDIATE DISTRIBUTION FRAME CEILING MOUNTED SPEAKER SPEAKER VOLUME CONTROL AREA OF RESCUE REMOTE CALL STATION MASTER AREA OF RESCUE CALL STATION PANEL - RESCUE STAFF INTERFACE

FIRE DETECTION AND NOTIFICATION: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- HORN / STROBE VARIABLE CANDELA WHITE WALL MOUNT MINI HORN WHITE WALL MOUNT STROBE VARIABLE CANDELA WHITE WALL MOUNT FIRE ALARM NOTIFICATION FOR HEARING IMPAIRED FIRE SMOKE DAMPER ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR X = TYPE CO = MULTI-CRITERIA COMBINATION FIRE / CARBON DIOXIDE D = DUCT SB = SOUND BASE ADDRESSABLE HEAT DETECTOR ADDRESSABLE PULL STATION FLOW SWITCH TAMPER SWITCH (PIV, BUTTERFLY, OR OS&Y) FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR ADDRESSABLE RELAY MODULE INTERCONNECTED 120V COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE ALARM INTERCONNECTED 120V COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE ALARM WITH STROBE DUCT TYPE SMOKE DETECTOR IN HVAC RETURN DUCT MAGNETIC DOOR HOLDER LOW AIR PRESSURE SWITCH WATER FLOW PRESSURE SWITCH KITCHEN HOOD SUPPRESSION SYSTEM FUTURE FIRE ALARM DEVICE

ABBREVIATIONS:

- AHJ AUTHORITY HAVING JURISDICTION AFF ABOVE FINISH FLOOR AL ALUMINUM AoR AREA OF RESCUE SIGN - SEE LIGHTING SCHEDULE C CONDUIT CT CURRENT TRANSFORMER CU COPPER CVO CONVENIENCE OUTLET (E) EXISTING (D) ITEMS TO BE DEMOLISHED (R) ITEMS TO BE RELOCATED "E" INDICATES WIRING TO EMERGENCY POWER E FIRE ALARM FAA FIRE ALARM ANNUNCIATOR FAGP FIRE ALARM CONTROL PANEL FSD FIRE SMOKE DAMPER G GENERATOR GAA GENERATOR ANNUNCIATOR GFI GROUND FAULT INTERRUPT H HOSPITAL IDF INTERMEDIATE DISTRIBUTION FRAME IG ISOLATED GROUND LCP LIGHTING CONTROL PANEL M MOTOR MDF MAIN DISTRIBUTION FRAME MDP MAIN DISTRIBUTION PANEL OC OCCUPANCY SENSOR PNL PANEL R RECEPTACLE TELCO TELEPHONE AND COMMUNICATION TTB TELEPHONE TERMINAL BOARD TYP TYPICAL SWBD SWITCHBOARD WP WEATHER PROOF

EMERGENCY CALL: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- EMERGENCY CALL PULL SWITCH EMERGENCY CALL DOOR MONITORING DEVICE EMERGENCY CALL REPEATER

SECURITY: AS SPECIFIED BELOW UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS OR AS REQUIRED BY AHJ

- CLOSED-CIRCUIT TELEVISION CAMERA DOOR/WINDOW POSITION SWITCH ELECTRONIC LOCK (ELECTRONIC LATCH OR MAGNETIC LOCK) KEYPAD / PROXIMITY CARD READER PUSH BUTTON POWER DOOR GATE CONTROL DELAYED EGRESS CONTROLLER

MISCELLANEOUS:

- THROUGH WALL PTAC UNIT. REFER TO MECHANICAL

NOTATION:

- ELECTRICAL KEY NOTES ELECTRICAL EQUIPMENT TAG REVISION SYMBOL DETAIL REFERENCE: X-X-DETAIL # OR LETTER EY.Y - SHEET WHERE DETAIL IS FOUND ARROWS INDICATE SECTION OF ELEVATION DETAIL

DRAWING INDEX

Table with 4 columns: Drawing ID, Description, Revision, Date. Contains drawing index for E0.0 to E4.1.

REVISION DESCRIPTION:

Table with 4 columns: Revision, Description, Date, Drawn By. Contains revision description for E0.0 to E4.1.

GENERAL NOTES:

- COORDINATE FIXTURE TYPE AND MOUNTING WITH CEILING TYPE. PENETRATIONS OF FIRE RATED CONSTRUCTION OR DRAFT STOP CONSTRUCTION TO BE INSTALLED AND PROTECTED AS REQUIRED BY LOCAL CODES AND BUILDING AUTHORITY. SEE ARCH. FOR REQUIREMENTS. ELECTRICAL CONTRACTOR RESPONSIBLE FOR DETERMINING NUMBER AND SIZE OF CONDUCTORS, GROUND, AND NEUTRAL WIRES. SEE PANEL SCHEDULES FOR MIN. SIZES. COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS WITH MECHANICAL DRAWINGS AND EQUIPMENT FURNISHED. VERIFY LOCATIONS, CHARACTERISTICS AND LOADS, AND ADJUST WIRE AND BREAKER SIZES AS NEEDED. CONNECT PERIPHERALS AND INTERLOCK WITH OTHER MECHANICAL EQUIPMENT AS SHOWN ON MECHANICAL DRAWINGS OR AS REQUIRED. PROVIDE DUCT SMOKE (PHOTO TYPE) DETECTORS AT SUPPLY AND RETURN OF AIR HANDLING EQUIPMENT IF REQUIRED BY LOCAL CODE. CONNECT DUCT SMOKE DETECTORS TO SHUT DOWN AIR HANDLING UNIT AND PROVIDE REMOTE RESET LIGHT/ALARM IN CORRIDOR WALL CLOSEST TO UNIT. CONNECT SMOKE DETECTOR OUTPUT TO FIRE ALARM PANEL. PROVIDE LINK SEAL LINK SLEEVE AT BUILDING ELECTRICAL PENETRATIONS IN FOUNDATION OR WHERE EXPOSED TO EARTHVELEMENTS. PROVIDE WARNING SIGN AT DISCONNECTS THAT SERVE EQUIPMENT LOCATIONS WITH MORE THAN ONE DISCONNECT. EQUIPMENT WITH MORE THAN ONE DISCONNECT SHALL HAVE LOCKABLE DISCONNECTS. PROVIDE PROJECT CLOSE OUT DOCUMENTATION AS REQUIRED INCLUDING WSEC LIGHTING COMPLIANCE FORMS AND CALCULATION THAT DOCUMENT ALL INTERIOR AND EXTERIOR LIGHTING AREA AND / OR SURFACE TYPE, LIGHTING POWER ALLOWANCE AND INSTALLED DENSITIES.

Table with 2 main sections: ELECTRICAL HEAT SCHEDULE and ELECTRICAL MOUNTING HEIGHTS. Includes item descriptions and height specifications.

Table with 2 main sections: BUILDING CODE SUMMARY and APPLICABLE CODES. Lists applicable codes and construction details.



lenity architecture logo and contact information: 3405 Deer Park Dr. SE, Salem, Oregon 97310. Phone: 503.399.1090. Website: www.lenityarchitecture.com.

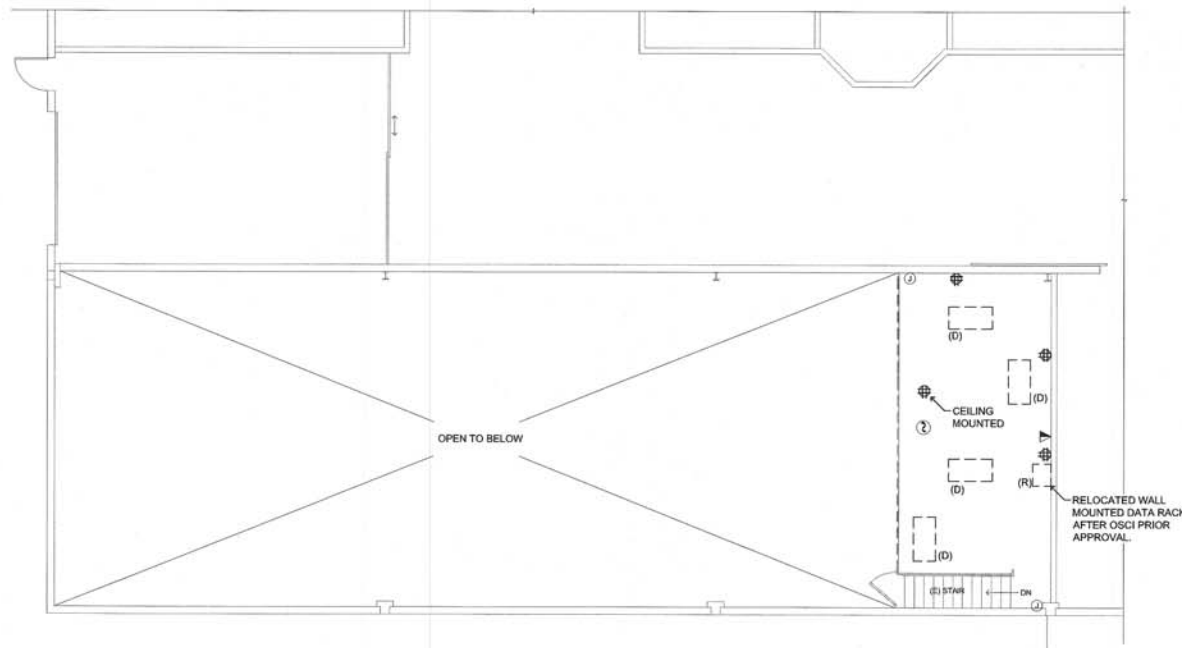


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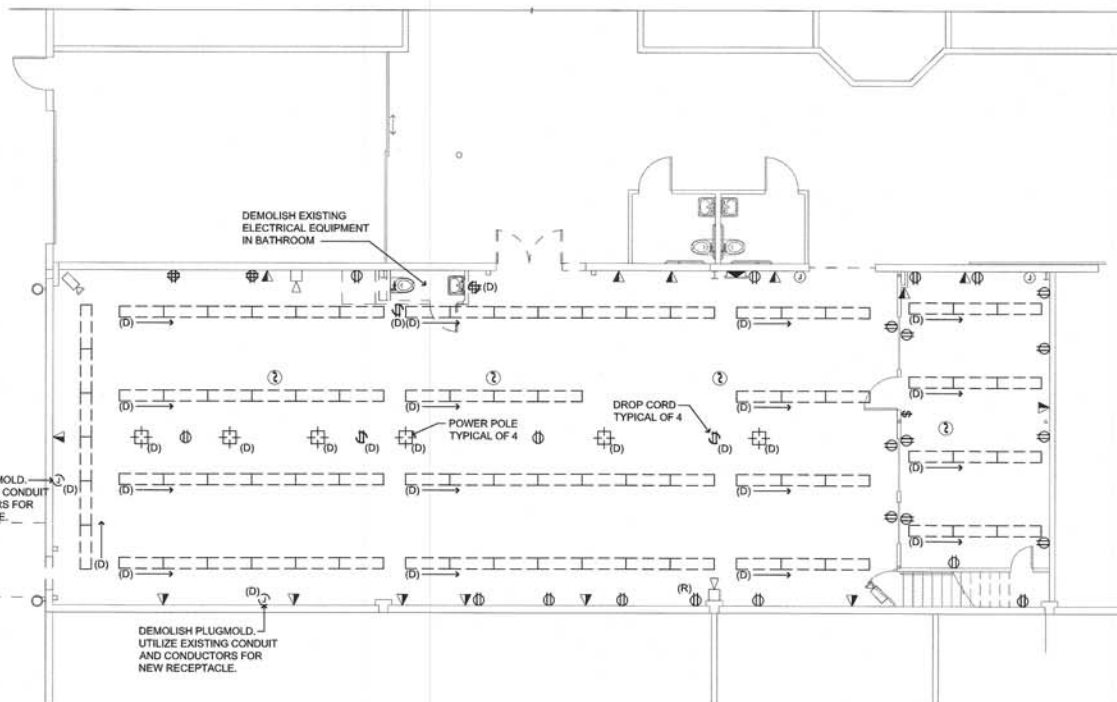
ELECTRICAL COVER SHEET stamp with 'SEPARATE PERMITS' handwritten note.

DATE: 04/23/19, REVISED DATE, SHEET: E0.0





**MEZZANINE ELECTRICAL DEMOLITION PLAN**  
SCALE: 1/8"=1'-0"



**LOWER LEVEL ELECTRICAL DEMOLITION PLAN**  
SCALE: 1/8"=1'-0"



**CONTRACTOR DEMOLITION PLAN NOTES:**

- A. THE CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH ALL RELATED OSCI PROCEDURES, THE JOB SITE AND WITH EXISTING CONDITIONS WHICH MAY IMPACT THE WORK.
- B. THE CONTRACTORS SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL PAY ALL REQUIRED FEES FOR THE WORK.
- C. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.
- D. CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES CONCERNING DEMOLITION OPERATIONS AND REFUSE REMOVAL AND DISPOSAL. CONTRACTOR TO PAY ALL DUMPING FEES.
- E. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY UNCERTAINTIES OR DISCREPANCIES.
- F. DO NOT CLOSE OR OBSTRUCT PEDESTRIAN OR VEHICULAR ACCESS EXCEPT WHERE AUTHORIZED OR INDICATED ON THE DRAWINGS, SEE SHEET A1.1 FOR ADDITIONAL INFORMATION.
- G. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADING NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WHO ENTER AREAS ADJACENT TO THE DEMOLITION AREA DURING CONSTRUCTION.
- H. THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THE WORK. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, AND RUBBISH FROM AND ABOUT THE PROJECT AS WELL AS ALL TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY.
- I. PROVIDE PROTECTION AND CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY OR DAMAGE TO PERSONS OR PROPERTY.
- J. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF EXISTING ROOF STRUCTURE DURING DEMOLITION AND CONSTRUCTION OF NEW BEARING WALL FRAMING.
- K. ALL ITEMS TAKEN OUT DURING DEMOLITION NOT TO BE SALVAGED FOR OWNER OR REUSED IN THE WORK SHALL BE REMOVED FROM THE PROPERTY.
- L. ALL SURPLUS EQUIPMENT AND MATERIALS ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE DISPOSAL OF ANY AND ALL SURPLUSES.
- M. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE OREGON-O.S.H.A. STANDARDS BOTH FOR ALL EMPLOYEES AND THE GENERAL PUBLIC.
- N. PRIOR TO BEGINNING ANY DEMOLITION, A SURVEY OF THE PROPOSED DEMOLITION SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE CONNECTIONS, AND AS BUILT CONDITIONS OF THE AREA TO BE DISMANTLED. THE CONTRACTOR SHALL NOTIFY LENITY ARCHITECTURE PRIOR TO PROCEEDING WITH DEMOLITION OF ANY CONDITION WHICH MIGHT CAUSE THE COLLAPSE OF ANY PORTION OF THE BUILDING OR POSE A DANGER TO PUBLIC SAFETY.
- O. REMOVE EXISTING PLUMBING, ELECTRICAL AND MECHANICAL IN DEMOLISHED WALLS, NOTE THE FOLLOWING ITEMS.
  - 1. REMOVE / CAP ALL PLUMBING PIPING BELOW FINISH FLOOR LINE AS REQUIRED.
  - 2. REMOVE ALL ABANDONED ELECTRICAL LINES BACK TO PANEL.
- P. DETERMINE IF ANY TYPE OF HAZARDOUS CHEMICALS, FLAMMABLE MATERIALS OR SIMILAR DANGEROUS SUBSTANCE, INCLUDING ASBESTOS, HAVE BEEN USED IN ANY PIPES. WHEN THE PRESENCE OF SUCH SUBSTANCE IS APPARENT OR SUSPECT, TESTING AND PURGING SHALL BE PERFORMED AND THE HAZARD ABATED, REMOVED, OR ELIMINATED BY APPROVED HAZ. MAT. CONTRACTORS BEFORE DEMOLITION STARTS OR CONTINUES.
- Q. CONTRACTOR SHALL MAINTAIN MINIMAL LIGHTING IN DEMO SPACES TO PREVENT INJURY OR HARM.
- R. EXISTING WALLS TO REMAIN SHALL BE REPAIRED AND REFINISHED AS REQUIRED TO PROVIDE A UNIFORM SURFACE, MATCHING ADJACENT NEW SURFACES FOR THE APPLICATION OF NEWLY INDICATED FINISHES.
- S. THE PUBLIC SHALL BE PROTECTED FROM DEMOLITION MATERIAL, DUST, FLAMES, ETC. BY BARRIERS AND/OR PLASTIC SHEETS AS REQUIRED. DEMOLITION WORK SHALL CEASE IF THE PUBLIC IS ENDANGERED IN ANY WAY.
- T. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AT THE SITE WORK AREA, PROTECT THEM FROM DAMAGE, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO CONSTRUCTION.
- U. IF DEMOLITION WORK RESULTS IN CONDITIONS THAT BREACH THE BUILDING ENVELOPE PRIOR TO THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PROVIDE TEMPORARY CLOSER OF THE BUILDING ENVELOPE TO RETAIN HEAT AND PREVENT DAMAGE TO THE INTERIOR OF THE BUILDING FROM THE ELEMENTS.
- V. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THE SPECIFIED AREAS. ALL DEMO WORK IS NOT DETAILED ON THESE DRAWINGS. REMOVAL AND RELOCATION OF SOME EXISTING ELECTRICAL WORK SHALL BE NEEDED FOR SATISFACTORY PERFORMANCE OF THIS AND OTHER TRADES. PROPOSALS SHALL INCLUDE CONSIDERATIONS FOR ANY AND ALL REQUIRED CHANGES. THE INTENT OF THIS DRAWING IS TO RELATE THE GENERAL EXTENT OF DEMO REQUIRED AND NOT TO INDICATE ALL DEVICES, REMOVALS, RECONNECTIONS, OR ADDITIONAL WORK REQUIRED.
- W. WHERE AN EXISTING FIXTURE OR DEVICE IS REMOVED BUT THE CIRCUIT IS TO REMAIN TO MAINTAIN CIRCUIT CONTINUITY, THEN THE CONTRACTOR IS TO PROVIDE AN APPROPRIATE BLANK COVER PLATE AND A BOX TO MATCH THE COVER PLATES ON ADJACENT DEVICES IN THE AREA.

**GENERAL NOTES**

- A. ALL EXPOSED SURFACES IN AREAS DISTURBED BY DEMOLITION SHALL BE ADEQUATELY PREPARED TO RECEIVE NEW MATERIALS AND FINISHES.
- B. UNLESS DETAILED OR SCHEDULED OTHERWISE, ALL INTERIOR AREAS AFFECTED BY DEMOLITION WORK SHALL BE PATCHED AND/OR REPAIRED TO MATCH EXISTING ADJACENT SURFACES AND FINISHES.
- C. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, CITY AND FEDERAL CODES, STANDARDS AND ORDINANCES.
- D. ALL WINDOWS/DOORS AND SALVAGEABLE EQUIPMENT AND MATERIALS TO BE STORED/DISPOSED AT OWNERS REQUEST.
- E. ALL ELIGIBLE DEMOLISHED MATERIALS ARE TO BE RECYCLED, COORDINATE WITH OWNER.
- F. REMOVE ALL ABANDONED THERMOSTATS AND CONTROLLERS FOR THE HVAC SYSTEM. PATCH WALLS AS REQUIRED.
- G. REMOVE ALL ABANDONED ELECTRICAL OUTLETS, SWITCHES, AND RELATED COMPONENTS IN AREAS OF DEMOLITION.
- H. CAP ALL ABANDONED PLUMBING PIPING BELOW FINISH FLOOR AND PATCH AS REQUIRED.
- I. DIMENSIONS SHALL BE FROM OUTSIDE FACE OF STUD FRAMING, UNLESS OTHERWISE NOTED/INDICATED.



**INTERIOR REMODEL FOR**  
OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

**ELECTRICAL DEMOLITION PLAN**

DATE  
04/23/19

REVISED DATE

SHEET

E2.1



PANEL SCHEDULE														
panel C (E)	mounting SURFACE				location STUDY ROOM				connected load amps 132					
	voltage 120/208	phase 3	bus & main 225A MLO		no.		a/p		calculated load amps 119					
			a	b	c	no.	a/p	va	service					
1 (D) UNDER BALCONY LIGHTS	750	20/1	1	*	2	20/1	750						(D) OVERHEAD LIGHTS NORTH	1
1 (D) OVERHEAD LIGHTS DOOR	750	20/1	3	*	4	20/1	750						(D) OVERHEAD LIGHTS NORTH	1
1 (D) BALCONY LIGHTS	750	20/1	5	*	6	20/1	750						(D) OVERHEAD LIGHTS NORTH	1
1 (D) CEILING LIGHTS	750	20/1	7	*	8	20/1	750						(D) OVERHEAD LIGHTS CENTER	1
2 (E) UNDER BALCONY FLR PLUG	900	20/1	9	*	10	20/1	900						(E) OUTLETS OFFICE	2
2 (D) NW WALL PLUGS	1000	20/2	11	*	12	20/1							(E) SPARE - OFFICE	2
2 *	1000	*	13	*	14	20/1	900						(E) OUTLETS OFFICE	2
2 (E) OUTLET - SW WALL	900	20/1	15	*	16	20/1	900						(E) DROP PLUG WEST	2
2 (E) SW WALL PLUGS	900	20/1	17	*	18	20/1	900						(E) OUTLETS SE WALL	2
2 (E) N WALL PLUGS	900	20/1	19	*	20	20/1	900						(E) DROP PLUG EAST	2
2 (E) DROP PLUG WEST	900	20/1	21	*	22	20/1	900						(E) OUTLETS OFFICE	2
SPACE					23	* 24	20/1 750						(D) LIGHTS OFFICE	1
2 (E) N WALL PLUGS	900	20/1	25	*	26	20/1	900						(E) OUTLETS OFFICE	2
2 (E) PLUG BY STAIRS & BALCONY	900	20/1	27	*	28	20/1	900						(E) SW WALL PLUGS	2
2 (E) FLOOR DUCT	900	20/1	29	*	30	20/1	900						(E) SW WALL PLUGS	2
2 (D) NW WALL (OFF)	1000	20/3	31	*	32	20/1	500						(E) ROOF FAN	6
2 *	1000	*	33	*	34	20/1	500						(E) ROOF FAN	6
2 *	1000	*	35	*	36	20/1	750						(E) RESTROOM LIGHTS	1
2 (D) TABLE SAW (OFF)	1000	20/3	37	*	38	60/3	6188						(D) ROOF TO HVAC	5
2 *	1000	*	39	*	40	*	5188						*	5
2 *	1000	*	41	*	42	*	5188						*	5
Phase A	16188 VA												line-line voltage	208
Phase B	16388 VA												largest motor (va)	500
Phase C	14788 VA													
Total Connected	47364 VA													
load code	ph. A	ph. B	ph. C	total	factor	calculated load (va)								
1. LIGHTS=	3000	1500	3000 VA	7500	1.25	9375								
2. RECEPT =	7500	9200	6600 VA	23300	1 + 0.5	16650								
3. HEATING=	0	0	0 VA	0	1.00	0								
4. KITCHEN=	0	0	0 VA	0	1.00	0								
5. EQUIP =	5188	5188	5188 VA	15564	1.00	15564								
6. MOTORS=	500	500	0 VA	1000	*	1125								
7. RESIDENTIAL=	0	0	0 VA	0	1.00	0								
(* 125% of the largest motor + 100% of the balance)														
TOTAL = 42714														

PANEL SCHEDULE														
panel C (NEW)	mounting SURFACE				location STUDY ROOM				connected load amps 118					
	voltage 120/208	phase 3	bus & main 225A MLO		no.		a/p		calculated load amps 106					
			a	b	c	no.	a/p	va	service					
SPARE					20/1	1	*	2	20/1	602	12	STUDY/HALL/RESTROOM LTS	1	
SPARE					20/1	3	*	4	20/1	784	12	CLASSROOM LIGHTS	1	
1 BALCONY LIGHTS	12	400	20/1	5	*	6	20/1					SPARE	1	
2 RESTROOM RECEPT./EF-1	12	432	20/1	7	*	8	20/1					SPARE	1	
2 (E) UNDER BALCONY FLR PLUG	900	20/1	9	*	10	20/1	900					(E) OUTLETS OFFICE	2	
2 DS-1A	12	1227	20/2	11	*	12	20/1					(E) SPARE - OFFICE	2	
2 *	12	1227	*	13	*	14	20/1	900				(E) OUTLETS OFFICE	2	
2 (E) OUTLET - SW WALL	900	20/1	15	*	16	20/1	900					(E) DROP PLUG WEST	2	
2 (E) SW WALL PLUGS	900	20/1	17	*	18	20/1	900					(E) OUTLETS SE WALL	2	
2 (E) N WALL PLUGS	900	20/1	19	*	20	20/1	900					(E) DROP PLUG EAST	2	
2 (E) DROP PLUG WEST	900	20/1	21	*	22	20/1	900					(E) OUTLETS OFFICE	2	
SPACE					23	* 24	20/1 300	12	LIGHTS OFFICE	1				
2 (E) N WALL PLUGS	900	20/1	25	*	26	20/1	900					(E) OUTLETS OFFICE	2	
2 (E) PLUG BY STAIRS & BALCONY	900	20/1	27	*	28	20/1	900					(E) SW WALL PLUGS	2	
2 (E) FLOOR DUCT	900	20/1	29	*	30	20/1	900					(E) SW WALL PLUGS	2	
2 ROOF TOP RECEPT.	12	360	20/1	31	*	32	20/1	500				(E) ROOF FAN	6	
2 CLASSROOM RECEPT.	12	900	20/1	33	*	34	20/1	500				(E) ROOF FAN	6	
5 MEZZANINE MICROWAVE	12	1000	20/1	35	*	36	20/1	750				(E) RESTROOM LIGHTS	1	
5 MEZZANINE COFFEE MAKER	12	1000	20/1	37	*	38	70/3	5404	4	ACHP-1			5	
2 DATA CLOSET RECEPT./EF-1	12	576	20/1	39	*	40	*	5404	4	*			5	
2 MEZZANINE/DATA RECEPT.	12	540	20/1	41	*	42	*	5404	4	*			5	
Phase A	14025 VA												line-line voltage	208
Phase B	15364 VA												largest motor (va)	500
Phase C	13221 VA													
Total Connected	42611 VA													
load code	ph. A	ph. B	ph. C	total	factor	calculated load (va)								
1. LIGHTS=	602	784	1450 VA	2836	1.25	3545								
2. RECEPT =	6519	8676	5367 VA	20562	1 + 0.5	15281								
3. HEATING=	0	0	0 VA	0	1.00	0								
4. KITCHEN=	0	0	0 VA	0	1.00	0								
5. EQUIP =	6404	5404	6404 VA	18212	1.00	18212								
6. MOTORS=	500	500	0 VA	1000	*	1125								
7. RESIDENTIAL=	0	0	0 VA	0	1.00	0								
(* 125% of the largest motor + 100% of the balance)														
TOTAL = 38164														

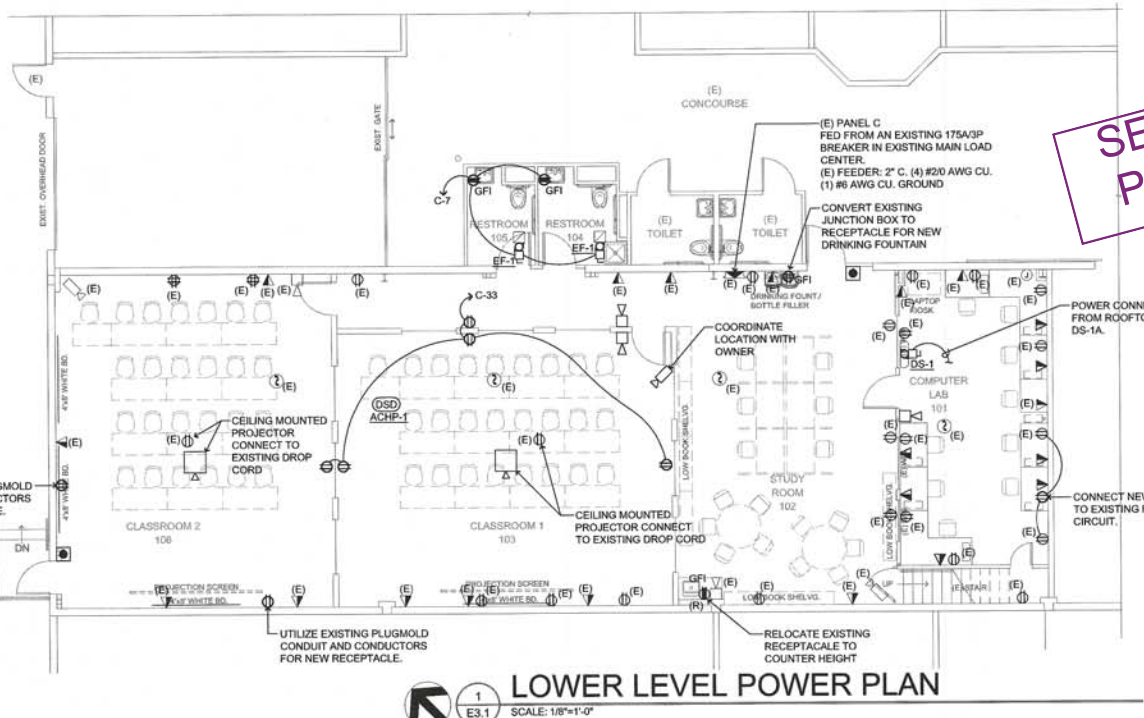
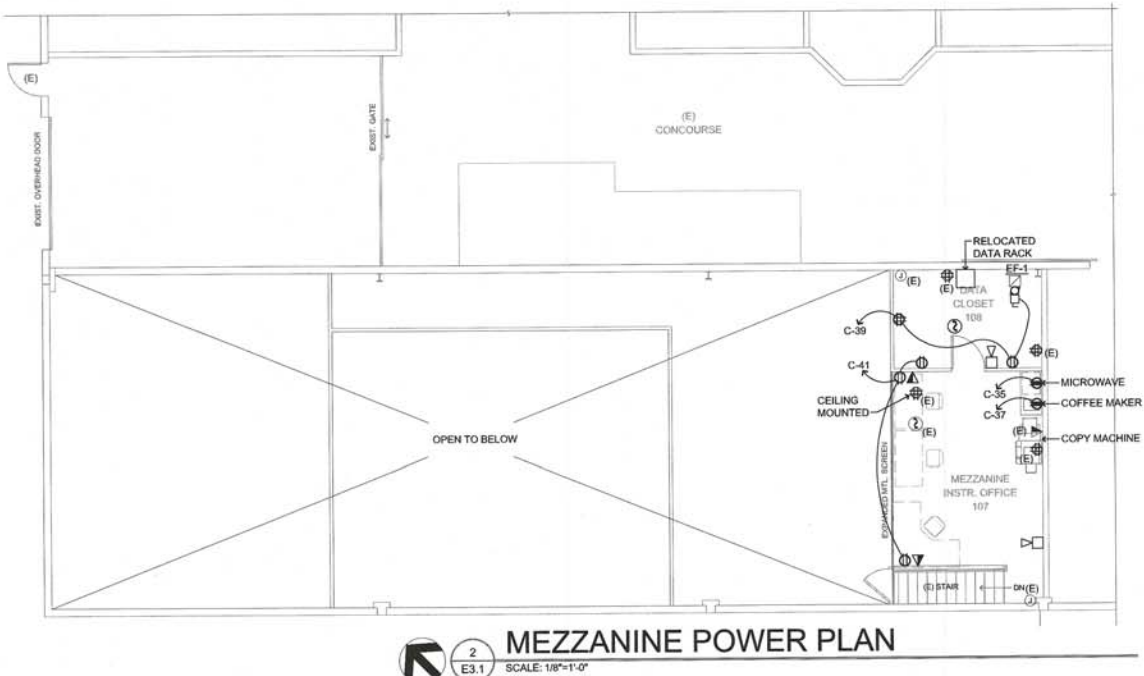
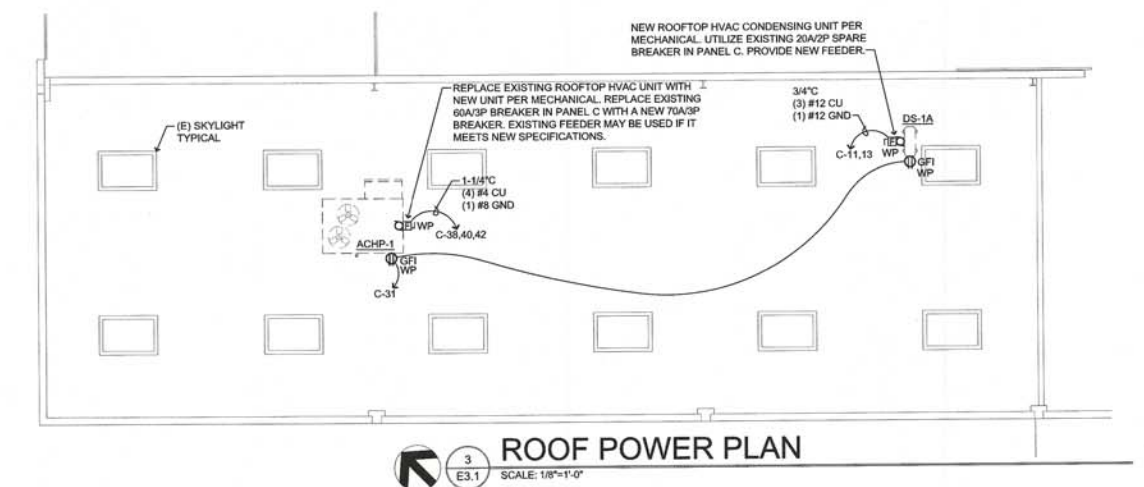
**PANEL SCHEDULE NOTES**

1. PROVIDE UPDATED PANEL CIRCUIT LABEL PER NEC 408.4.
2. EXISTING (E) LOADS ESTIMATED.
3. CONTRACTOR TO ENSURE ALL EXISTING CIRCUITS ARE NOT OVERLOADED.

NOTE:  
LOW VOLTAGE LAYOUTS ARE SCHEMATIC AND ARE FOR REFERENCE ONLY. DRAWINGS ARE PROVIDED AS GENERAL DESIGN GUIDELINES SHOWING MINIMUM REQUIREMENTS. LOW VOLTAGE INSTALLER/SYSTEM DESIGNER IS RESPONSIBLE FOR SYSTEM COMPLIANCE WITH OSCI STANDARDS, ALL AUTHORITIES HAVING JURISDICTION INCLUDING STATE LICENSING REQUIREMENTS.

NOTE:  
FIRE ALARM LAYOUTS ARE SCHEMATIC AND ARE FOR REFERENCE ONLY. DRAWINGS ARE PROVIDED AS GENERAL DESIGN GUIDELINES SHOWING MINIMUM REQUIREMENTS. FIRE ALARM INSTALLER/SYSTEM DESIGNER IS RESPONSIBLE FOR SYSTEM COMPLIANCE WITH OSCI STANDARDS, THE INTERNATIONAL FIRE CODE, NFPA 72, LOCAL AMENDMENTS AND LOCAL FIRE MARSHAL. PRIOR TO BID.

NOTE:  
ELECTRICIAN SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO INSTALLATION.



SEPARATE PERMIT REQUIRED FOR SCHEMATIC LOW VOLTAGE PLAN



**lenity architecture**  
3150 Kenne Court SE, Salem, Oregon 97301  
503.399.1090 #503.399.0545



**INTERIOR REMODEL FOR**  
OREGON STATE CORRECTIONAL INSTITUTION  
3405 DEER PARK DR SE, SALEM, OR 97310

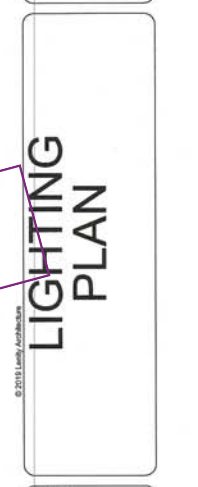
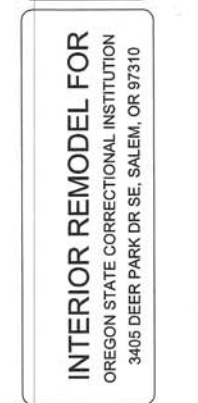
**POWER SCHEMATIC LOW VOLTAGE PLAN**

DATE: 04/23/19

REVISED DATE:

SHEET E3.1

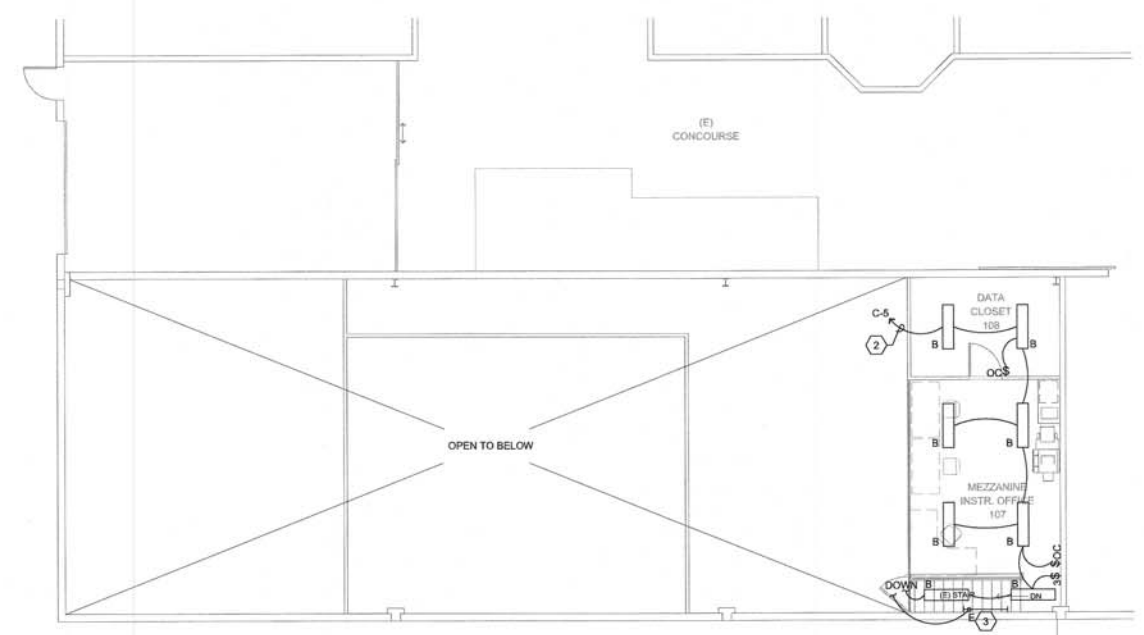




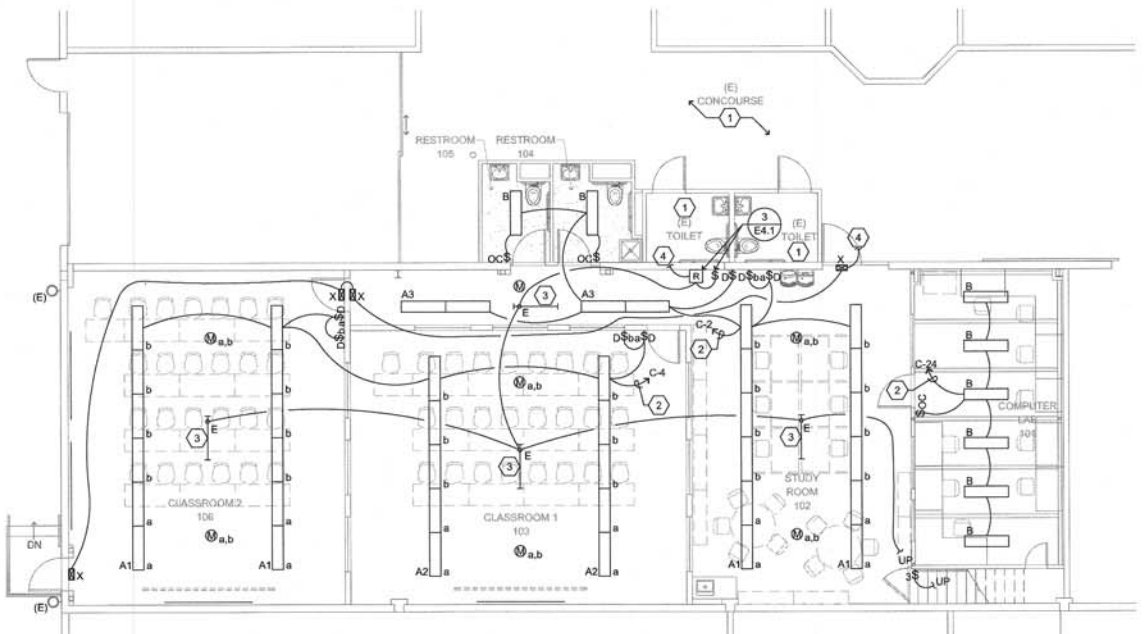
DATE: 04/23/19  
REVISED DATE:  
SHEET: E4.1

- KEYED NOTES**
- EXISTING ELECTRICAL EQUIPMENT AND CIRCUITING TO REMAIN.
  - CONNECT NEW LIGHTING CIRCUIT TO SPARE 20A/1P LIGHTING CIRCUIT AFTER EXISTING LIGHTING IS DEMOLISHED.
  - EGRESS LIGHTING MOUNTED TO UNDERSIDE OF CEILING. LIGHT NORMALLY OFF AND ILLUMINATED DURING A POWER OUTAGE. SEE DETAIL 3/E4.1.
  - CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT IN PANEL X.

TYPE	DISCRIPTION	LAMP	MANUFACTURE
A1	CATEGORY: 1x24" LED SUSPENDED LINEAR HOUSING: 8-1/4"x24"x1-3/4" STEEL (WxLxH) LENS/REFL: OPAL BALLAST: ELECTRONIC VOLTAGE: 120 WATTAGE: 192 LISTING/STND: DLC FINISH: WHITE MISC: MOUNT AT 12" AFF	TYPE: LED QUANTITY: INTEGRATED CCT (K): 4000 CRI: 80 LUMENS: 1000 LUMENS PER FOOT LIFE: 60% OUTPUT @60,000 HOURS MISC: 20% UP / 80% DOWN CONTROL: DUAL CONTROL 1ST 8' AND 2ND 16'	LITHONIA LIGHTING GRD-LLP-24FT-MSL8-80CRI-40K-ID1000LMF-20/80-MIN1-ZT-120 OR APPROVED
A2	CATEGORY: 1x20" LED SUSPENDED LINEAR HOUSING: 8-1/4"x20"x1-3/4" STEEL (WxLxH) LENS/REFL: OPAL BALLAST: ELECTRONIC VOLTAGE: 120 WATTAGE: 200 LISTING/STND: DLC FINISH: WHITE MISC: MOUNT AT 12" AFF	TYPE: LED QUANTITY: INTEGRATED CCT (K): 4000 CRI: 80 LUMENS: 1300 LUMENS PER FOOT LIFE: 60% OUTPUT @60,000 HOURS MISC: 20% UP / 80% DOWN CONTROL: DUAL CONTROL 1ST 8' AND 2ND 12'	LITHONIA LIGHTING GRD-LLP-20FT-MSL8-80CRI-40K-ID1300LMF-20/80-MIN1-ZT-120 OR APPROVED
A3	CATEGORY: 1x8" LED SUSPENDED LINEAR HOUSING: 8-1/4"x8"x1-3/4" STEEL (WxLxH) LENS/REFL: OPAL BALLAST: ELECTRONIC VOLTAGE: 120 WATTAGE: 80 LISTING/STND: DLC FINISH: WHITE MISC: MOUNT AT 12" AFF	TYPE: LED QUANTITY: INTEGRATED CCT (K): 4000 CRI: 80 LUMENS: 1300 LUMENS PER FOOT LIFE: 60% OUTPUT @60,000 HOURS MISC: 20% UP / 80% DOWN CONTROL: SINGLE CIRCUIT	LITHONIA LIGHTING GRD-LLP-8FT-MSL8-80CRI-40K-ID1300LMF-20/80-MIN1-ZT-120 OR APPROVED
B	CATEGORY: 1x4" SURFACE LED HOUSING: 14-3/4"x49.43"x3-1/2" STEEL LENS/REFL: #19 ACRYLIC, 0.156" BALLAST: 0-10V DIMMING ELECTRONIC VOLTAGE: 120 WATTAGE: 50 LISTING/STND: FINISH: WHITE MISC:	TYPE: LED QUANTITY: INTEGRATED CCT (K): 4000 CRI: 80 LUMENS: 3,844 LIFE: 70% OUTPUT @80,000 HOURS MISC:	KENALL LIGHTING SDSA-4-0/CRS-N/A-4SL40K-DCC-N/A-120-0/4-1 OR APPROVED
E	CATEGORY: LED STRIP EMERGENCY LIGHT HOUSING: 2 1/2"x2 6/8"x48" STEEL LENS/REFL: ACRYLIC BALLAST: ELECTRONIC VOLTAGE: 120/277 WATTAGE: 50 LISTING/STND: DAMP FINISH: WHITE MISC:	TYPE: LED QUANTITY: INTEGRATED CCT (K): 4000 CRI: 80 LUMENS: 4,500 LIFE: 60% OUTPUT @60,000 HOURS MISC:	LITHONIA LIGHTING MNSL-L48-2LL-MVOLT-GZN-40K-80CRI-M6 OR APPROVED
X	CATEGORY: LED VANDAL RESISTANT EXIT SIGN HOUSING: CAST ALUMINUM LENS/REFL: POLYCARBONATE BALLAST: ELECTRONIC VOLTAGE: 120/277 WATTAGE: 2.3 LISTING/STND: DAMP FINISH: WHITE MISC: FACES AND ARROWS AS SHOWN	TYPE: LED QUANTITY: CCT (K): PER CODE CRI: LUMENS: LIFE: MISC: 90 MIN NICKEL-CADMIUM BATTERY	LITHONIA LIGHTING LV-S-W-1-G-120/277 OR APPROVED

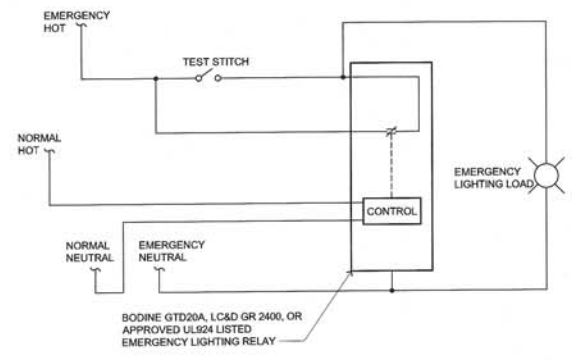


**MEZZANINE LIGHTING PLAN**  
SCALE: 1/8"=1'-0"



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

SEPARATE PERMIT(S)



**3 SWITCHED EMERG. LIGHTING DETAIL**  
UL 924 SWITCH BYPASS  
SCALE: N.T.S.