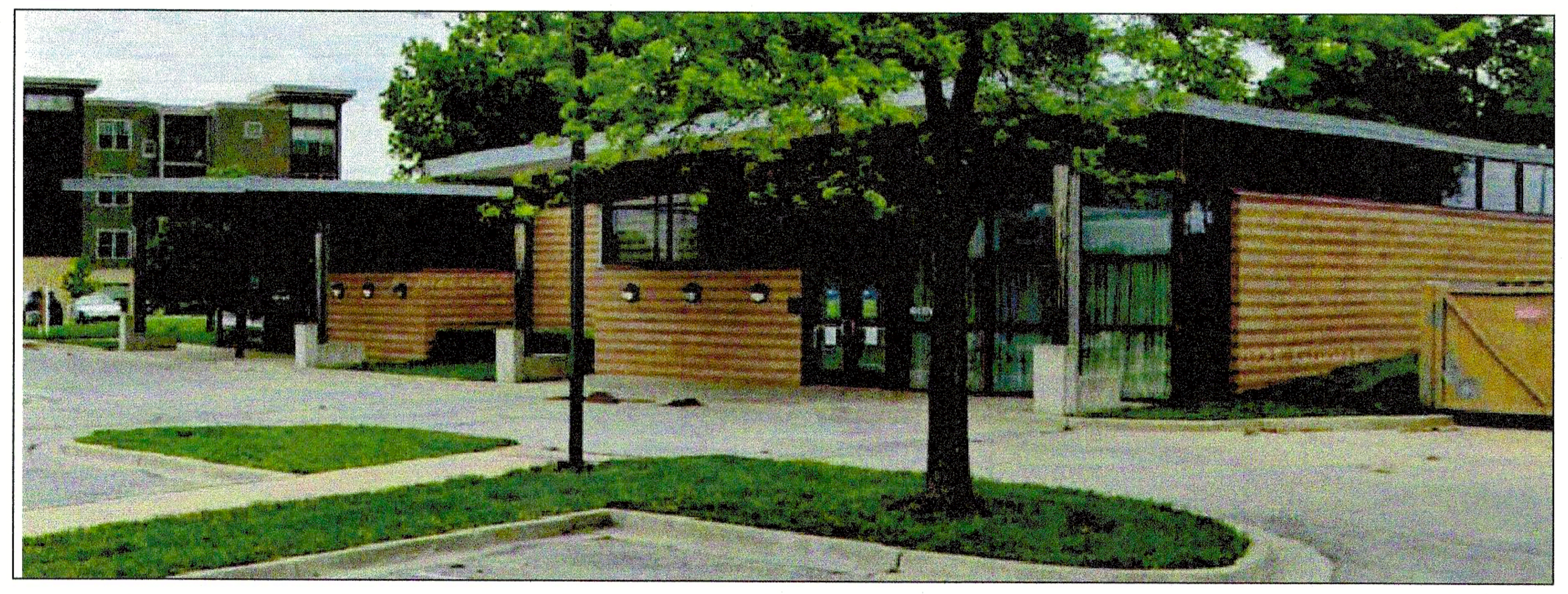
INTERIOR REMODEL

LEE'S SUMMIT KCUC UROLOGY & ONCOLOGY



451 NW MURRAY ROAD
LEE'S SUMMIT, MISSOURI 64081
JACKSON COUNTY

PROJECT TEAM

ARCHITECTURE

NOLTE ASSOCIATES, ARCHITECTS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KS 66207
TEL.: (913) 322-2444 FAX.: (913) 322-6277

OWNER

KCUC
KCUC

PME

ARCHITECTURAL ENGINEERING CONSORTIUM
GREG GLADFELTER
11032 S. GREEN ROAD
OLATHE, KANSAS 66061
(816) 916-4675
GPG@AECONSORT.COM

DRAWING INDEX

ARCHITECTURAL DRAWING LEGEND

DETAIL NO. / SHEET NO. — ELEVATION BUBBLE
DETAIL NO. / SHEET NO. — DETAIL REFERENCE BUBBLE
REVISION NUMBER
WINDOW TYPE. RE: A700
ROOM NUMBER
SHEET NOTE
CEILING HEIGHT. RE: A-201
100.0' ELEVATION DATUM
WALL TYPE. RE: A-1.0
DOOR NUMBER

ARCHITECTURAL DRAWING ABBREVIATIONS

A/C	AIR CONDITIONING
AB	ANCHOR BOLT
AC	ACCOUSTICAL
ACT	ACCOUSTICAL TILE
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AVG	AVERAGE
BD	BOARD
B.F.F.	BELOW FINISHED FLOOR
BIT	BITUMINIOUS
BKR	BREAKER
BLDG	BUILDING
BM	BEAM
BRG	BEARING
BTU	BRITISH THERMAL UNIT
CCT	CIRCUIT
CEM	CEMENT
CFM	CUBIC FEET/MINUTE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNDT	CONDUIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOS
CT	CERAMIC TILE
CW	COLD WATER
DBL	DOUBLE
DEPT	DEPARTMENT
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL

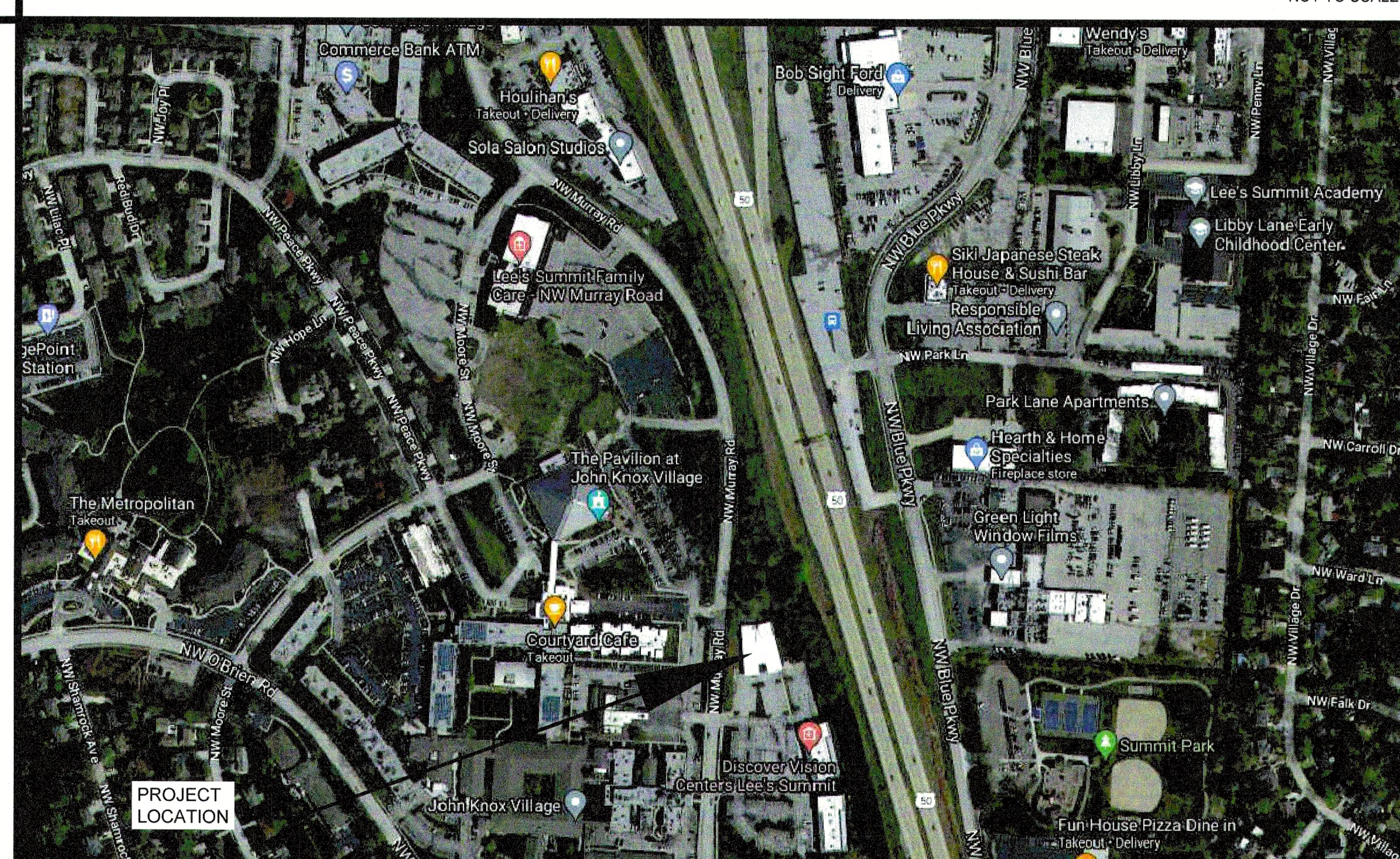
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRIC/ELECTRICAL
EL	ELEVATION
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENT	ENTRANCE
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FFE	FINISHED FLOOR ELEVATION
FLR	FLOOR
FLASH	FLASHING
FLOUR	FLOURESCENT
FOS	FACE OF STUD
F.R.	FIRE RATE / RESISTANT
FRM	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT
FTG	FOOTING
FUR	FURRING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERAL
GND	GROUND
GRD	GRADE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIBB
HDR	HEADER
HDWR	HARDWARE
HGT, HT	HEIGHT
HORZ	HORIZONTAL
HP	HORSE POWER
HR	HOUR
HTG	HEATING
HTR	HEATER
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCHES
INSUL	INSULATION
INT	INTERIOR

JB	JUNCTION BOX
JST	JOIST
JT	JOINT
L	LENGTH
LAV	LAVATORY
LT	LIGHT
LVL	LEVEL
MAT	MATERIAL
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MTL	METAL
MFR	MANUFACTURER / MANUFACTURING
MIN	MINIMUM
MISC	MISCELLANIOUS
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP HND	OPPOSITE HAND
P	POLE
PL	PLATE
PLG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PREFAB	PREFABRICATED
PSF	POUNDS/SQUARE FOOT
PSI	POUNDS/SQUARE INCH
PT	PAINT
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R	RADIUS
RSR	RISER
R/A	RETURN AIR
RCPT	RECEPTACLE
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REG	REGISTER
REINF	REINFORCING

REQ	REQUIRED
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
RV	ROOF VENT
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPK	SPEAKER
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
SUP	SUPPLY
SUSP	SUSPEND
TH	THERMOSTAT
TEMP	TEMPORARY
THK	THICK
THRES	THRESHOLD
TYP	TYPICAL
UC	UNDERCUT
UL	UNDERWRITER LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITIES
V	VOLT
VB	VAPOR BARRIER
VERT	VERTICLE
VEST	VESTIBULE
VOL	VOLUME
VTR	VENT THROUGH ROOF
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WATER HEATER
WP	WATER PROOFING
WRB	WEATHER RESISTANT BARRIER
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

VICINITY MAP

NOT TO SCALE



PROJECT ISSUANCE

ISSUED FOR:		DATE ISSUED:
X	PERMIT REVIEW	Oct. 13, 2021
X	CITY REVISIONS	Oct. 20, 2021
X	CITY REVISIONS	Oct. 28, 2021
	CONSTRUCTION	

STATE OF MISSOURI ... ARCHITECT
Oct 13, 2021

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
FAX (913) 322-6277

REMODEL
LEE'S SUMMIT
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JACKSON COUNTY

DATE PRINTED:
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REVISIONS:

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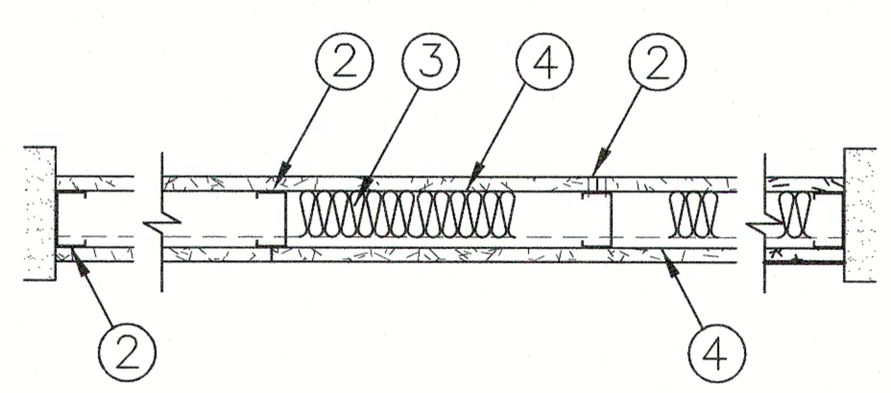
2021027

COVER SHEET

SHEET NUMBER
G-001

WALL TYPES

A — NONBEARING PARTITION WALL



1. Floor and Ceiling Runners- (not shown) Channel shaped runners, 3-5/8 in. wide (min), 1-1/4 in. legs, formed from No. 25 MSG (min) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

   1A. As an alternate to Item 1 Ceiling Runner*-25 MSG min galv steel width to accommodate stud, with 3 or 4 in. legs offset at midpoint 5/8 in. to accommodate wall cladding thickness. Attached to ceiling with fasteners spaced 24 in. OC. The wall cladding shall overlap wallboard 1-1/4 in. min.
   Fire Trak Corp.

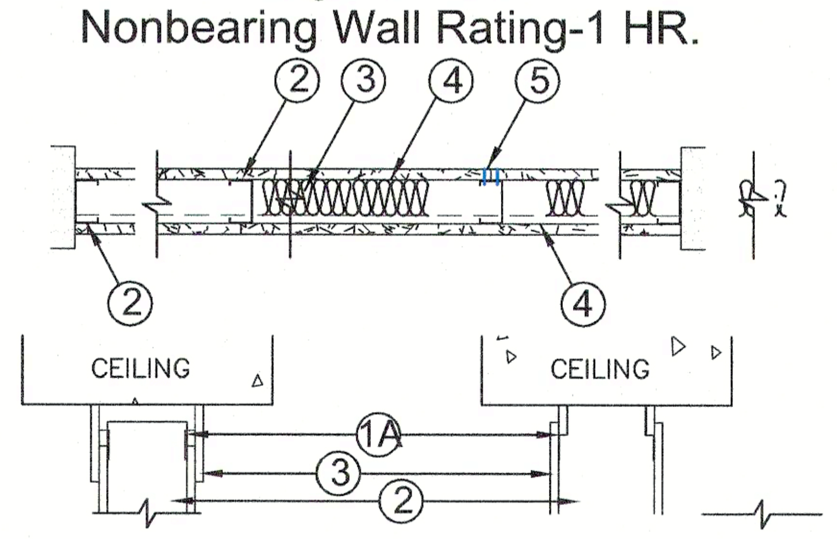
2. Steel Studs--Channel shaped, 3-5/8 in. wide (min), 1-1/4 in. legs, 3/8 in. folded back returns, formed from No. 25 MSG (min) galv steel spaced 24 in. OC max.

3. Batts and Blankets*-(Optional)-Mineral wool or glass fiber batts partially or completely filling stud cavity.

4. Wallboard, Gypsum*-5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S self-tapping steel screws spaced 8 in. OC. Along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring cannels with 1 in. long, type S steel screws spaced 12 in. OC.

5. Joint Tape and Compound- Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

B — Design No. U465
Nonbearing Wall Rating-1 HR.



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Fire Trak Corp.

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3. Batts and Blankets*-(Optional)-Mineral wool or glass fiber batts partially or completely filling stud cavity.

4. Wallboard, Gypsum*-5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S self-tapping steel screws spaced 8 in. OC. Along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring cannels with 1 in. long, type S steel screws spaced 12 in. OC.

Boral Gypsum Inc.-Type BG-C
Canadian Gypsum Co., Ltd.-Types C, SCX, SHX, WRX.
Continental Gypsum Company-Type CG-C.
Domtar Gypsum Inc.-Type 5 or C.
Eagle-Gypsum Products-Type EG-C.
Georgia-Pacific Corp., Gypsum Div.-Type GPFS-5 or GPFS-C.
National Gypsum Co., Charlotte, NC-Types FSK-G, FSW-G.
National Gypsum Co., Riyadh, Saudi Arabia-Type FR or WR.
Pabco Gypsum Co.-Type PG-C.
Republic Gypsum Co.-Type RG-C.
Standard Gypsum Corp.-Type SG-C.
Temple-Inland Forest Products Corp.-Type TP-5.
United States Gypsum Co.-Type AR,C,IP-X2,SCX,SHX,WRC or WRX.
Westroc Industries Ltd.-Type Westroc Fireboard.

4A. Wallboard, Gypsum*-(As an alternate to Item 4)-Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4 with screw length increased to 1-1/4 in.

United States Gypsum Co.-Type AR.

4B. Wallboard, Gypsum*-(As an alternative to Items 4 and 4A)-5/8 in. thick installed as described in Item 4. Joint covering (Item 5) not required.

United States Gypsum Co.-Type WSX.

5. Joint Tape and Compound- Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

6. Furring Channel-(Optional-Not Shown)-Resilient 25 MSG galv steel furring channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long.

*Bearing the UL Classification Marking.

PROJECT CODE DATA CHART

G) EXIT REQUIREMENTS PER OCCUPANCY		
GROUP "B" BUSINESS - CLINIC, OUTPATIENT	ALLOWABLE	PROPOSED
MAXIMUM TRAVEL DISTANCE [IBC TABLE 1017.2]	300'-0"	117'-10"
MAXIMUM DEAD END CORRIDOR [IBC 1020.4]	20'-0"	–
MINIMUM CORRIDOR WIDTH [IBC 1005.1, 1020.2]	3'-8"	4'-2"
MINIMUM CLEAR OPENING OF EXIT DOORS [IBC 1010.1.1]	2'-8"	2'-10'
MINIMUM STAIR WIDTH [IBC 1011.2]	44"	–
EGRESS WIDTH/PERSON [STAIR][IBC 1005.3.1]	.3" X 91 = 27.3"	–
EGRESS WIDTH/PERSON - OTHER COMPONENTS [IBC 1005.3.2]	.2" X 91 =18.2"	–

H) PLUMBING FIXTURE CALCULATIONS (IBC TABLE 2902.1)			
GROUP "B" BUSINESS - CLINIC, OUTPATIENT - 91 OCCUPANTS			
WATER CLOSETS			
WATER CLOSETS REQUIRED	ROUND UP TO NEAREST WHOLE NUMBER		WATER CLOSETS PROVIDED
1 PER 25 FOR THE FIRST 50 - 50/25 = 2 + 1 PER 50 FOR REMAINING EXCEEDING 50 = 3 (SINGLE OCCUPANCY WATER CLOSETS CAN BE USED FOR EITHER MEN OR WOMEN)	3		4
LAVATORIES			
LAVATORIES REQUIRED	ROUND UP TO NEAREST WHOLE NUMBER		LAVATORIES PROVIDED
1 PER 40 FOR THE FIRST 80 - 80/40 = 2 + 1 PER 80 FOR THE REMAINDER EXCEEDING 80 = 3 (SINGLE OCCUPANCY WATER CLOSETS CAN BE USED FOR EITHER MEN OR WOMEN)	3		4
DRINKING FOUNTAINS	ROUND UP TO NEAREST ROUND NUMBER		DRINKING FOUNTAINS PROVIDED
1 PER 100 PERSONS	1		2
SERVICE SINKS	REQUIRED		SERVICE SINK PROVIDED
	1		1

E) MINIMUM FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS		
FIRE RATINGS OF STRUCTURAL ELEMENTS PER IBC TABLE 601:		
ELEMENT	PERMITTED	PROPOSED
STRUCTURAL FRAME	0	
BEARING WALLS		
EXTERIOR	0	
INTERIOR	0	
NONBEARING EXT. WALLS	SEE TABLE 602	_
NONBEARING INT. WALLS	0	0
FLOOR CONSTRUCTION	0	0
ROOF CONSTRUCTION	0	0

FIRE RATING REQUIREMENTS FOR EXTERIOR WALLS BASE ON FIRE SEPARATION DISTANCE PER IBC TABLE 602				
ELEMENT	PERMITTED		PROPOSED	
EXT. WALL OPENINGS	WALL RATING IBC 602	% OPEN IBC TABLE 705.8	WALL RATING	% OPEN
EXT. BEARING WALLS				
NORTH SIDE (>30" TO PL)	0 HR	NL	0 HR	NL
SOUTH SIDE (>30" TO PL)	0 HR	NL	0 HR	NL
EAST SIDE (>30" TO PL)	0 HR	NL	0 HR	NL
WEST SIDE (>30" TO PL)	0 HR	NL	0 HR	NL
NC = NON-COMBUSTIBLE				
NL = NO LIMIT				

F) BUILDING OCCUPANCY PER IBC TABLE 1004.5:

SPACE A:
BUSINESS (CLINIC, OUTPATIENT) - 100 GROSS SQUARE FEET PER OCCUPANT→ 4,003/100 = 40.03 OR 41 PERSONS

SPACE B:
ASSEMBLY (CHAIRS ONLY) WAITING AREA - 7 NET SQUARE FEET PER OCCUPANT 344/7 = 49.14 OR 50 PERSONS

TOTAL OCCUPANCY SPACE A (41) + SPACE B (50) = 91 PERSONS

G) FLOOR EXIT CAPACITY PER IBC 1005.3.2:

91 PERSONS

[STAIRS] = 91 X 0.3" = 27.3"
[OTHER COMPONENTS] 91 X 0.2" = 18.2"

PROJECT NAME: LEE'S SUMMIT KCUC

PROJECT ADDRESS: 451 NW MURRAY ROAD
LEE'S SUMMIT, MISSOURI 64081

OWNER: TBD

ARCHITECT: NOLTE AND ASSOCIATES, P.A.
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
P: (913) 322-2444
F: (913) 322-6277

CONSTRUCTION: EXISTING BUILDING COMPOSED OF STEEL FRAMING WITH BRICK FACADE AND MEMBRANE ROOFING ON INSULATION.

A) TYPE OF OCCUPANCY: BUSINESS GROUP B, PROFESSIONAL SERVICE - DOCTOR'S OFFICE, PER CHAPTER 304.1, 2018 IBC

B) TYPE OF CONSTRUCTION: BUILDING TYPE VB, FULLY SPRINKLERED (1)

C) CODE REFERENCES:
1. 2018 INTERNATIONAL BUILDING CODE (IBC)
2. 2018 INTERNATIONAL FIRE CODE (IFC)
3. 2018 INTERNATIONAL PLUMBING CODE (IPC)
4. 2018 INTERNATIONAL EXISTING BUILDING CODE
5. 2018 INTERNATIONAL MECHANICAL CODE (IMC)
6. 2018 INTERNATIONAL FUEL GAS CODE (IFGC)
7. 2017 NATIONAL ELECTRIC CODE (NEC)
8. 2010 ADA STANDARDS FOR ACCESS DESIGN

D) ALLOWABLE BUILDING HEIGHTS AND AREAS (IBC TABLE 504.3-504.4 & 506.2)

DESCRIPTION	NON SPRINKLERED PERMITTED	NON SPRINKLERED MULTI-STORY	FULLY SPRINKLERED	PROPOSED
STORIES / BUILDING HEIGHTS:	1 STORY/55 FEET	3 STORIES/55 FEET	4 STORIES / 75 FEET	1 STORY /18 FEET
FLOOR AREA:	23,000 S.F.	NOT ALLOWED	92,000 S.F. SINGLE /69,000 S.F. MULTI	4,347 S.F.

AUTOMATIC SPRINKLER SYSTEM AREA INCREASE (IBC SECTION 506.3):

Aa (Allowable building area per story in S.F.)
At (Tabular Area per Table 506.2) = 9,500 S.F.
Ns = (Tabular Area Factor in Accordance with Table 506.2 for Non-sprinklered Building)
If (Area Increase due to Frontage (IBC 506.2) = 0
Sa Actual Number of Stories Above Grade - Not to Exceed 3

AREA MODIFICATION CALCULATION:

At + (Ns x If) x (Sa) = Aa
(23,000 S.F. + (23,000 x 0)) X 3 = 18,000 Sq. Ft. per floor

SQUARE FOOTAGE
KCUC: 4,186 SQ FT
SHARED SPACE: 161 SQ FT
TOTAL SQUARE FOOTAGE: 4,347 SQ FT

1 HR PARTITION CONSTRUCTION DESIGN UL- U465

1 BUILDING PLAN
SCALE: 3/32" = 1'-0"

NOLTE & ASSOCIATES, P.A.
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9400 REEDS ROAD, SUITE 200
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REMODEL
LEE'S SUMMIT
KCUC UROLOGY & ONCOLOGY
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DATE PRINTED: Oct 27, 2021

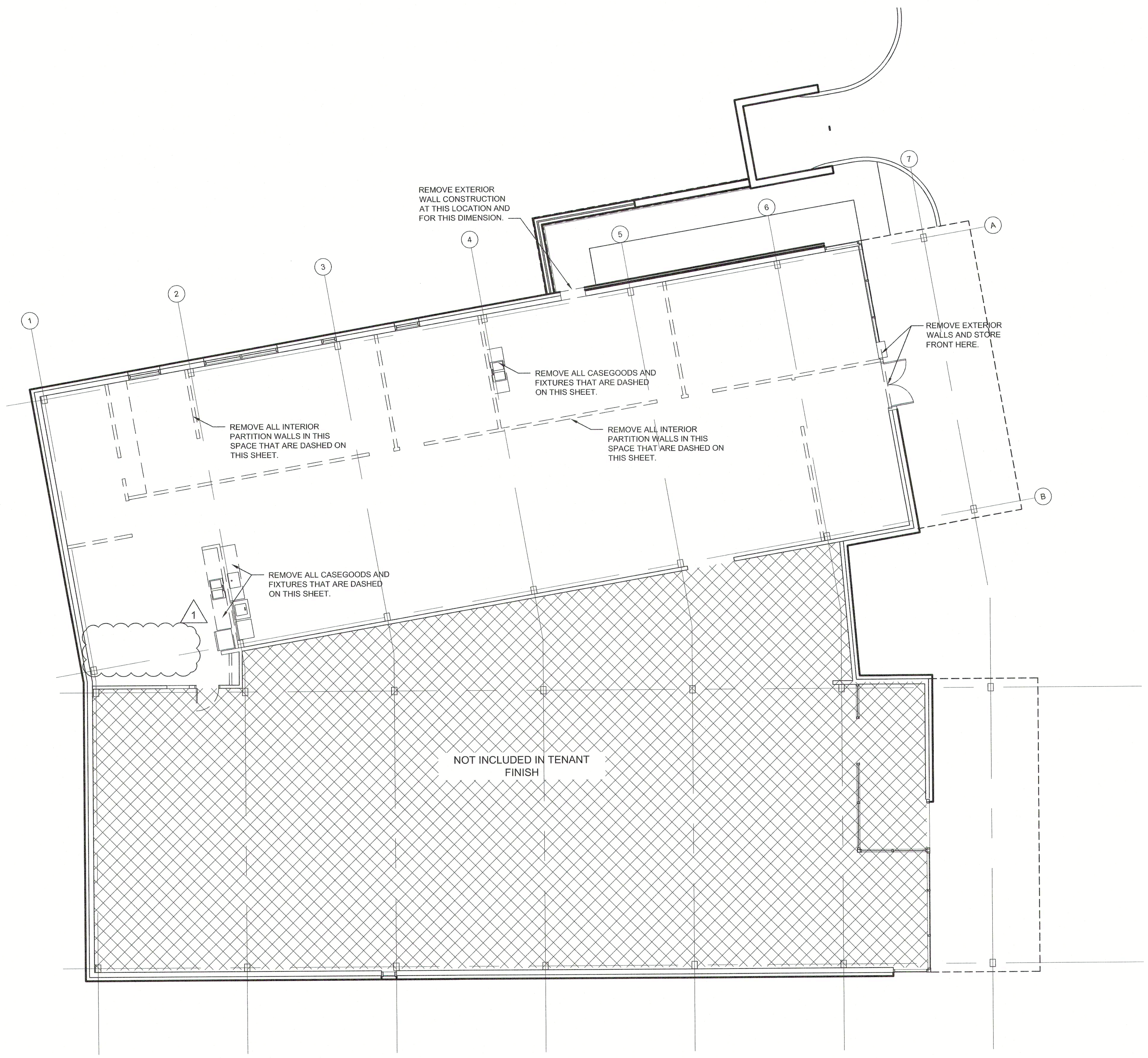
DATE ISSUED: 10.13.2021

REVISIONS:
1 10/20/21 CITY COMMENTS

ARCHITECTURAL PROJECT NUMBER
2021027

CODE REVIEW SHEET

SHEET NUMBER
G-101



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

N

GENERAL DEMOLITION NOTES

1. SELECTIVE DEMOLITION TO BE PERFORMED CAREFULLY AND IN A MANNER TO PROTECT ADJACENT FINISHES TO BE PRESERVED.
2. COORDINATE ALL DEMOLITION/PHASING EFFORTS WITH THE ARCHITECT & OWNER'S REPRESENTATIVE PRIOR TO COMMENCING THE WORK.
3. COORDINATE ALL EXCESSIVE NOISE, VIBRATION & PRE-APPROVED SERVICE DISRUPTION WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING THE WORK.
4. CONSTRUCT & MAINTAIN TEMPORARY PARTITIONS AS REQUIRED TO ISOLATE DEMOLITION WORK FROM GENERAL PUBLIC & TENANTS AS DEEMED NECESSARY FROM OWNER'S REPRESENTATIVE.
5. COORDINATE WITH OWNER'S REPRESENTATIVE TO MAINTAIN THE MEANS OF EGRESS & BUILDING SECURITY (IF APPLICABLE) DURING DEMOLITION/CONSTRUCTION WORK.
6. MAINTAIN SECURE, WEATHER-TIGHT ENCLOSURE WHERE WORK IS TO OCCUR ON THE EXTERIOR OF THE BUILDING (IF APPLICABLE) AS COORDINATED WITH OWNER'S REPRESENTATIVE.
7. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS AND NOTIFY ARCHITECT/ENGINEER WITH ANY DISCREPANCIES PRIOR TO COMMENCING DEMOLITION WORK.
8. REMOVE ALL DEMOLITION MATERIALS IN THEIR ENTIRETY FROM THE JOBSITE & LEGALLY DISPOSE OF MATERIALS UNLESS NOTED OTHERWISE. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
9. PROVIDE PROTECTION FOR ALL EXISTING MATERIALS & EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION WORK. REPAIR OR REPLACE ANY WALLS, FLOORS, CEILINGS, EQUIPMENT, ETC. DAMAGED DURING DEMOLITION WORK.
10. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT & OWNER'S REPRESENTATIVE ANY MATERIALS TO BE REUSED & WILL BE RESPONSIBLE FOR VERIFYING & MAINTAINING THE FUNCTIONAL & AESTHETIC INTEGRITY OF THE MATERIALS FOR REUSE.
11. REMOVE ELECTRICAL COMPONENTS SHOWN FOR DEMOLITION TO THE NEAREST J-BOX AND CAP OFF BEHIND FINISHED CONSTRUCTION AS REQUIRED.
12. REMOVE MECHANICAL COMPONENTS SHOWN FOR DEMOLITION AND CAP OFF BEHIND FINISHED CONSTRUCTION AS REQUIRED. PATCH, REPAIR & FINISH ADJACENT FINISHES AS REQUIRED.
13. REFER TO MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS, NOTES & SPECIFICATIONS FOR FURTHER SEQUENCING & SCOPE OF WORK.
14. THE DEMOLITION PLAN IS PROVIDED TO DEFINE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK NECESSARY TO PERFORM NEW CONSTRUCTION WORK REQUIREMENTS.
15. CONTRACTOR TO REFER TO STRUCTURAL DRAWINGS FOR ANY DEMOLITION WORK TO STRUCTURAL ELEMENTS. CONTRACTOR TO VERIFY EXISTING CONDITIONS TO INSURE NO DEMOLITION WILL ENDANGER STRUCTURAL INTEGRITY OF BUILDING. PROVIDE THE NECESSARY SHORING OF STRUCTURE AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF BUILDING.
16. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION COMPLY WITH APPLICABLE REGULATIONS, LAWS & ORDINANCES CONCERNING REMOVAL, HANDLING & PROTECTION AGAINST EXPOSURE OF ENVIRONMENTAL POLLUTION.

Oct 27, 2021

NOLTE & ASSOCIATES, P.A.
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9400 REEDS ROAD, SUITE 200
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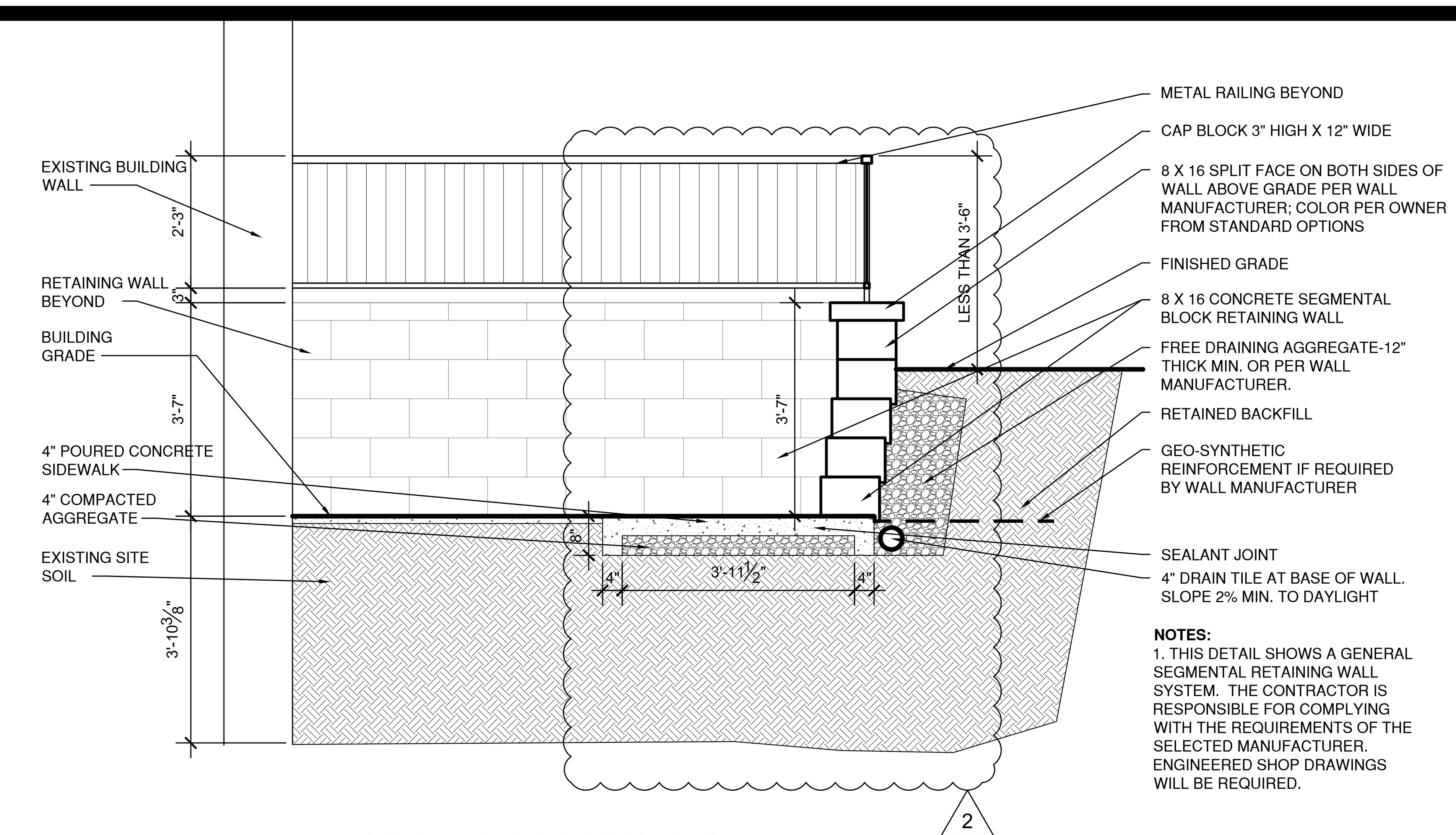
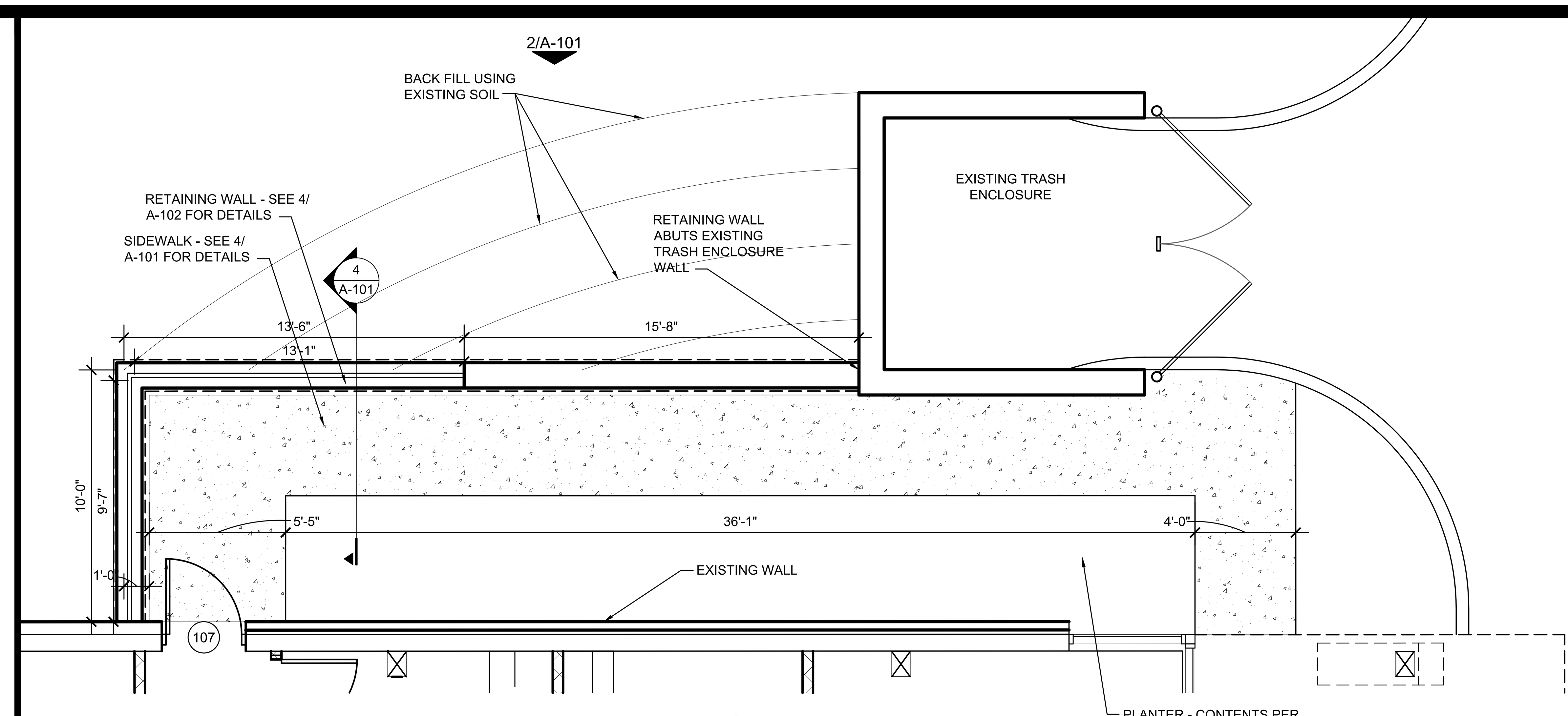
DEMOLITION FLOOR PLAN

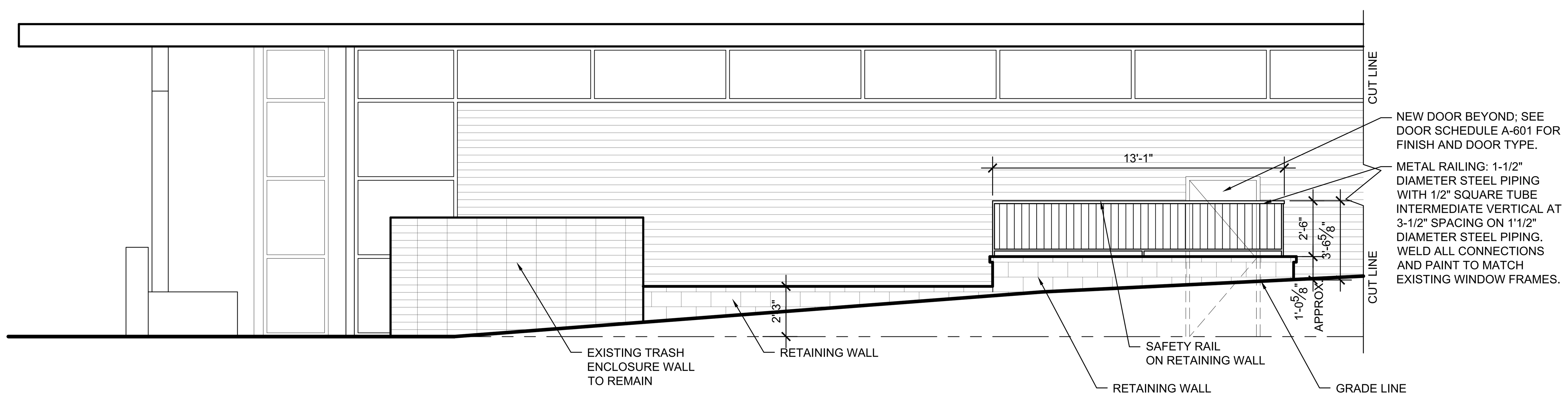
SHEET NUMBER
AD-101



4 SIDEWALK & RETAINING WALL SECTION
SCALE: 1/2"=1'-0"



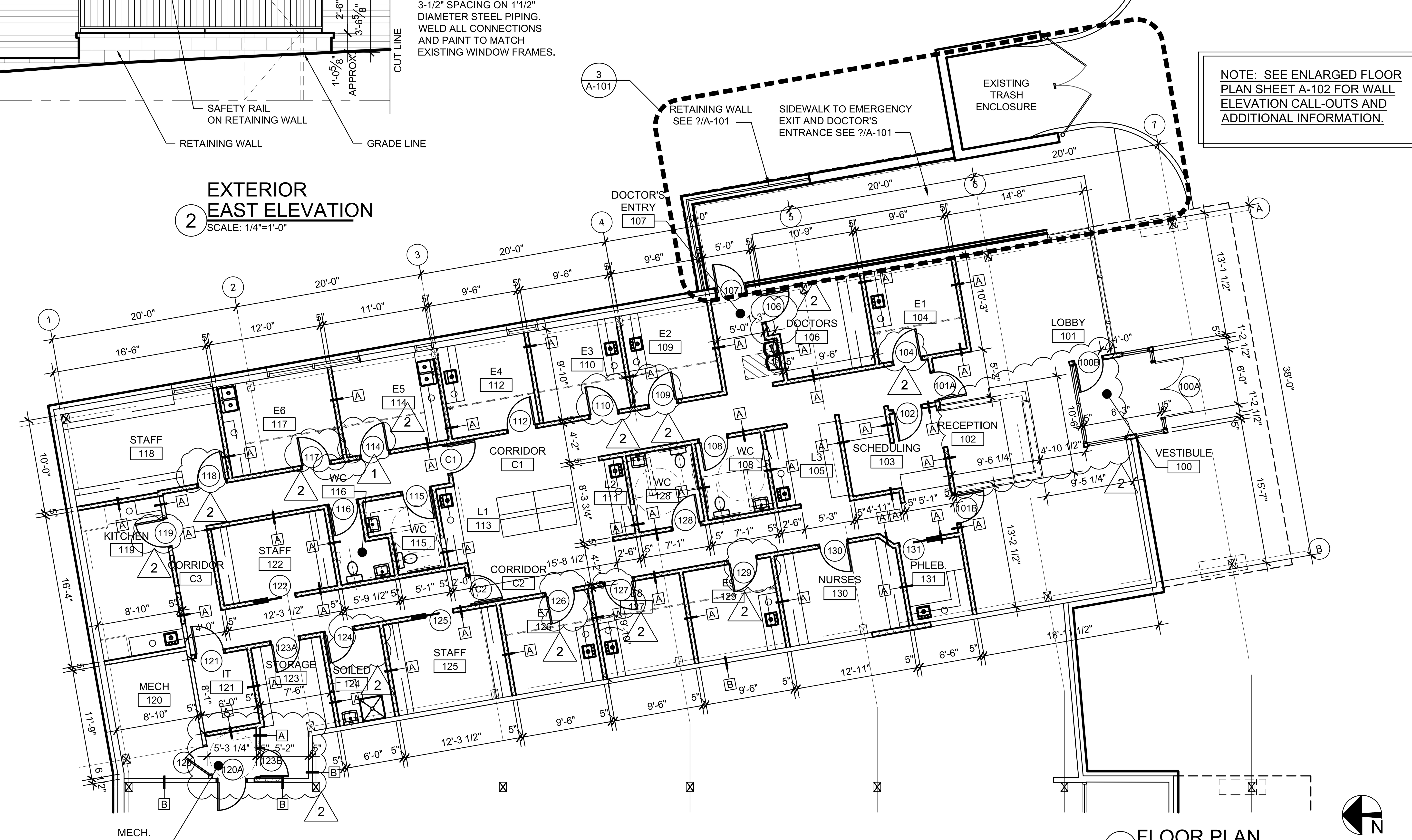
3 SIDEWALK PLAN AT EAST ENTRY
SCALE: 1/4"=1'-0"



2 EXTERIOR EAST ELEVATION
SCALE: 1/4"=1'-0"

GENERAL CONSTRUCTION NOTES

1. ALL NEW WORK TO BE PERFORMED AS SHOWN ON FLOOR PLAN.
2. OWNER TO SELECT FINISHES FROM STANDARD LINES AS PROVIDED AND INSTALLED BY CONTRACTOR.
3. WHERE EXISTING SURFACES ARE DISTURBED, THE CONTRACTOR SHALL PATCH AND MATCH TO ADJOINING EXISTING SURFACES THAT REMAIN DURING CONSTRUCTION.
4. DO NOT SCALE DRAWINGS.
5. ALL DIMENSIONS GIVEN ARE FROM EXISTING FINISH TO GYPSUM WALL BOARD AT NEW WALLS, EDGE OF NEW EQUIPMENT OR CENTER LINE OF NEW EQUIPMENT.
6. THERE SHALL BE NO LEVEL CHANGES (STEPS) GREATER THAN 1/2" WITHIN AN ACCESSIBLE ROUTE.
7. THE GENERAL CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK IN ACCORDANCE WITH ACCEPTED NATIONAL INDUSTRY STANDARDS. JOIN MATERIALS TO UNIFORM, ACCURATE FITS SO THEY MEET WITH NEAT, STRAIGHT LINES, FREE OF SMEARS AND OVERLAPS.
8. WORK OF EACH TRADE SHALL MEET ALL NATIONAL STANDARDS PUBLISHED BY THAT TRADE.
9. GENERAL CONTRACTOR SHALL COORDINATE THEIR WORK WITH THOSE OF OTHER TRADES.
10. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CURRENT BUILDING CODES AS ENFORCED BY THE LOCAL AUTHORITIES.
11. THE CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR PROTECTING THESE UTILITIES DURING THE EXECUTION OF THE WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGE CAUSED THROUGH OPERATIONS UNDER THIS PROJECT.
13. PROVIDE FIRE BLOCKING AND DRAFT STOPPING AS REQUIRED BY CODE.
14. THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE INTEGRITY OF ALL FIRE RATED PARTITIONS AND ASSEMBLIES.



NOTE: SEE ENLARGED FLOOR PLAN SHEET A-102 FOR WALL ELEVATION CALL-OUTS AND ADDITIONAL INFORMATION.

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

STATE OF MISSOURI
THOMAS R. NOLTE
REGISTERED ARCHITECT
Oct 28, 2021

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
FAX (913) 322-6277

REMODEL
LEE'S SUMMIT KCUC UROLOGY & ONCOLOGY
451 NW MURRAY ROAD
LEE'S SUMMIT, MISSOURI 64081
JACKSON COUNTY

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DATE ISSUED:
10.13.2021

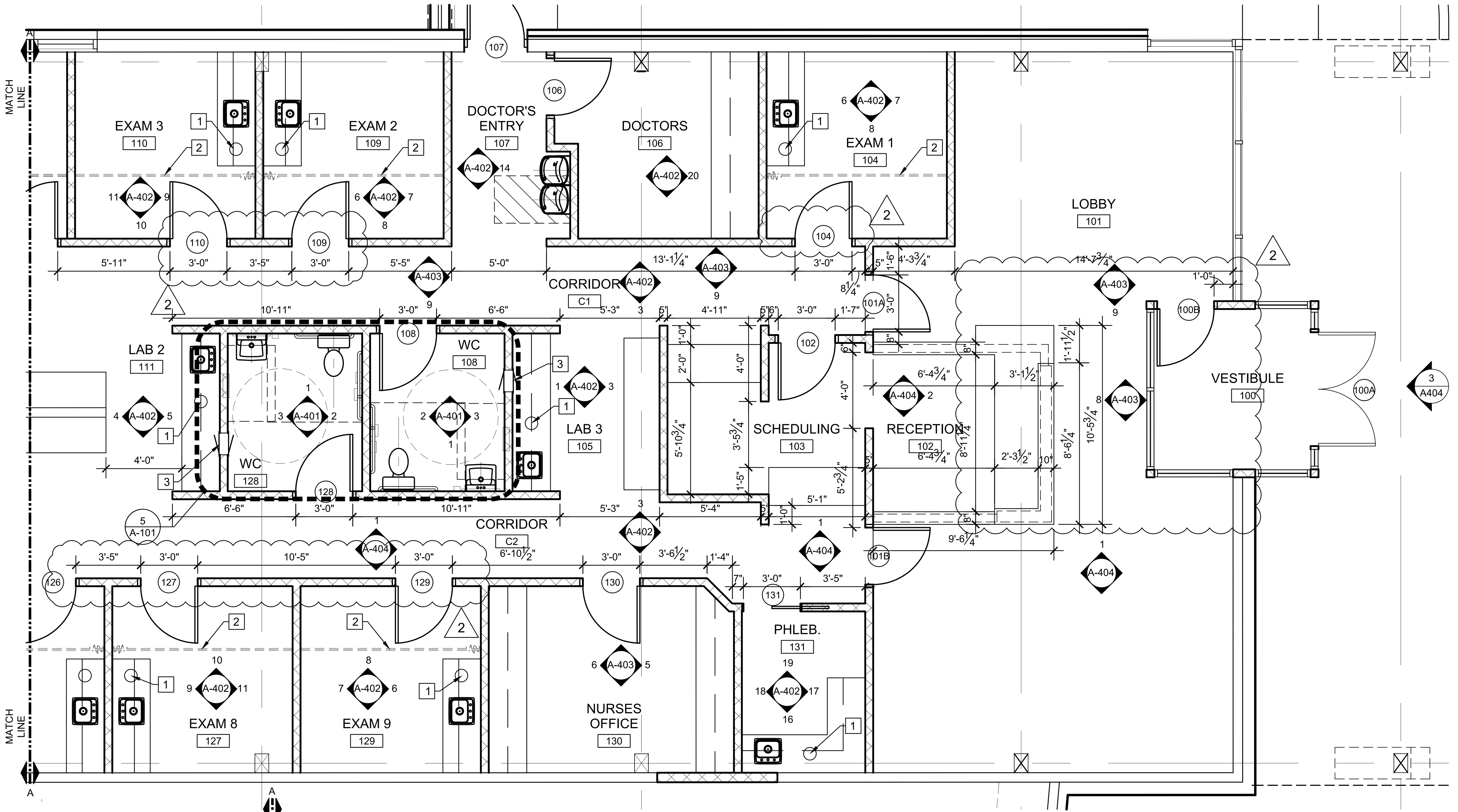
REVISIONS:
1 10/20/21 CITY COMMENTS
2 10/28/21 CITY COMMENTS

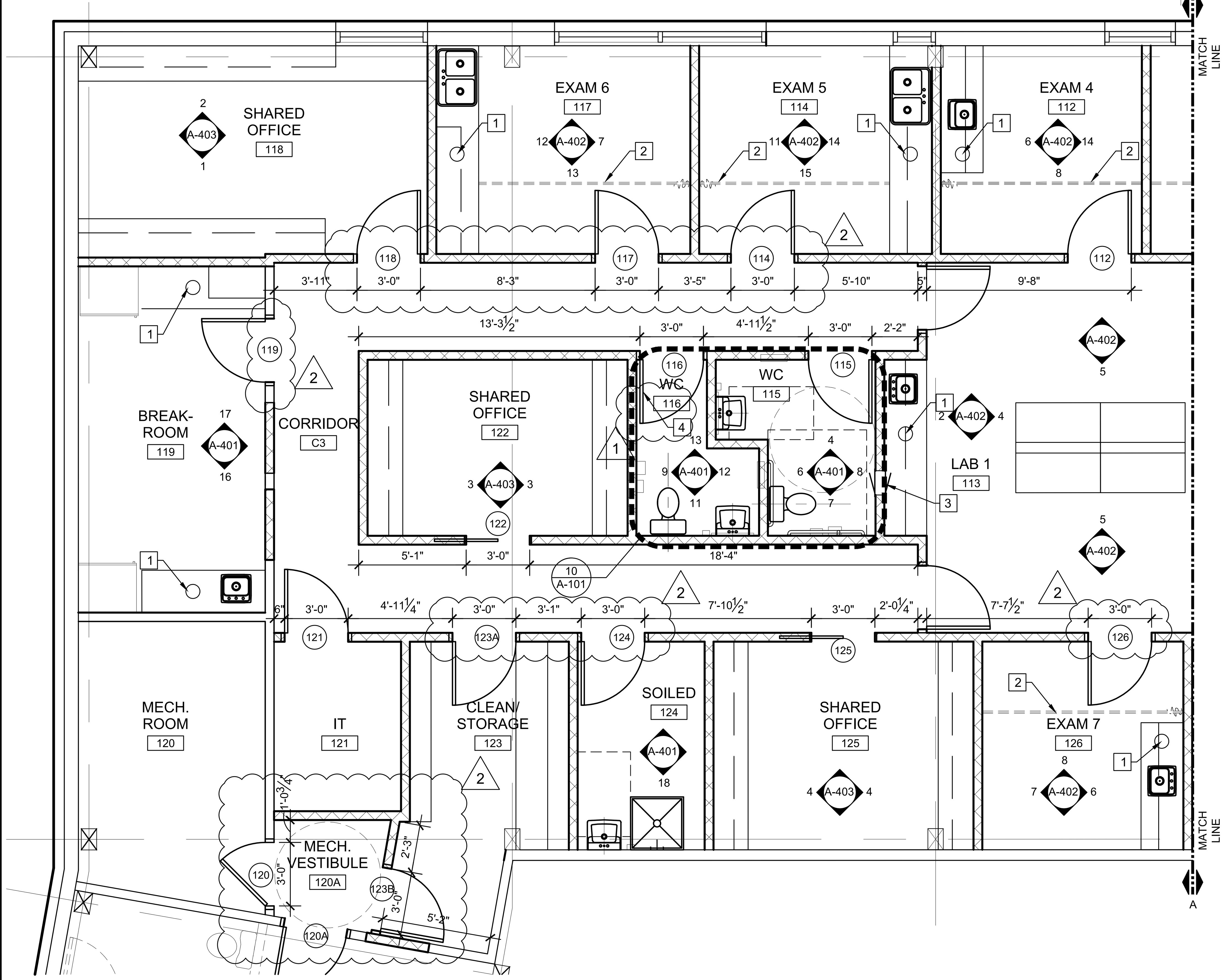
ARCHITECTURAL PROJECT NUMBER
2021027

FLOOR PLAN

SHEET NUMBER
A-101

Drawing Name: F:\2021\2021027 - Jayger - KCUC Lee's Summit\Production\04 - Construction Documents\2021027 A-101 FLOOR PLAN.dwg Last Modified: Oct 28, 2021 - 4:21pm Plotted on: Oct 28, 2021 - 4:35pm by mwinslow





KEYED NOTES

1. 8" DIAMETER OPENING FOR TRASH RECEPTACLE UNDER COUNTER, SEE A-401 & A-402 FOR MORE INFORMATION.
2. PRIVACY CURTAIN TRASH, SEE A-602 FOR FINISHES.
3. SPECIMEN PASS-THROUGH CABINET, SEE A-401 FOR PRODUCT.
4. SIGN TO BE PLACED ON DOOR STATING: "THIS IS NOT AN ADA COMPLIANT DOOR OR RESTROOM. PLEASE SEE ALL OTHER ROOMS LABELED WC FOR USE."

NEW WALLS

1 ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"

N

Oct 28, 2021

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ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
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ENLARGED FLOOR PLANS

SHEET NUMBER
A-102

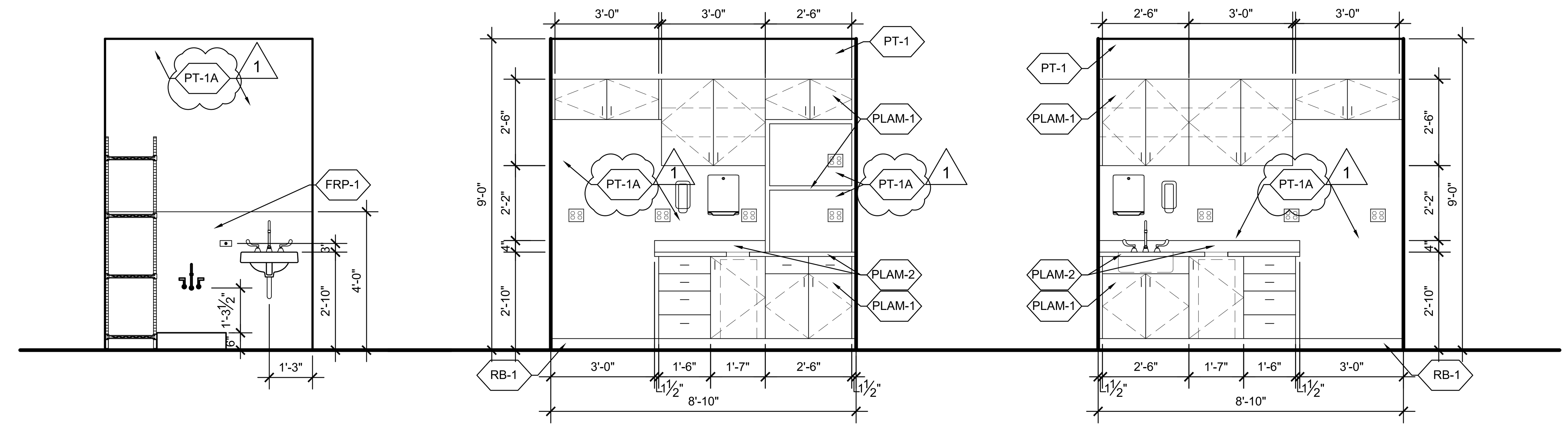
RESTROOM GENERAL NOTES

1. PROVIDE F.R. WOOD BLOCKING IN WALLS AT ALL LOCATIONS AS NEEDED FOR MOUNTING.
2. COUNTERTOPS & BACKSPLASH TO BE SELECTED BY OWNER
3. NOT USED
4. ALL WORK TO COMPLY WITH ALL APPLICABLE NATIONAL, STATE & LOCAL BUILDING CODES.
5. THIS PROJECT SHALL COMPLY IN ALL AREAS WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
6. PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND ADJACENT WALLS.
7. HOT WATER & DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED TO PROTECT AGAINST ANY CONTACT.
8. GRAB BARS & TOILET SEATS SHALL WITHSTAND A LOAD OF NOT LESS THAN 250 LBS. APPLIED AT ANY POINT.
9. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSION FOR THEIR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR ANY RELATED WORK.

NOTE: SEE A-602 FOR ABBREVIATIONS AND FINISH SCHEDULE

BOBRICK MODELS

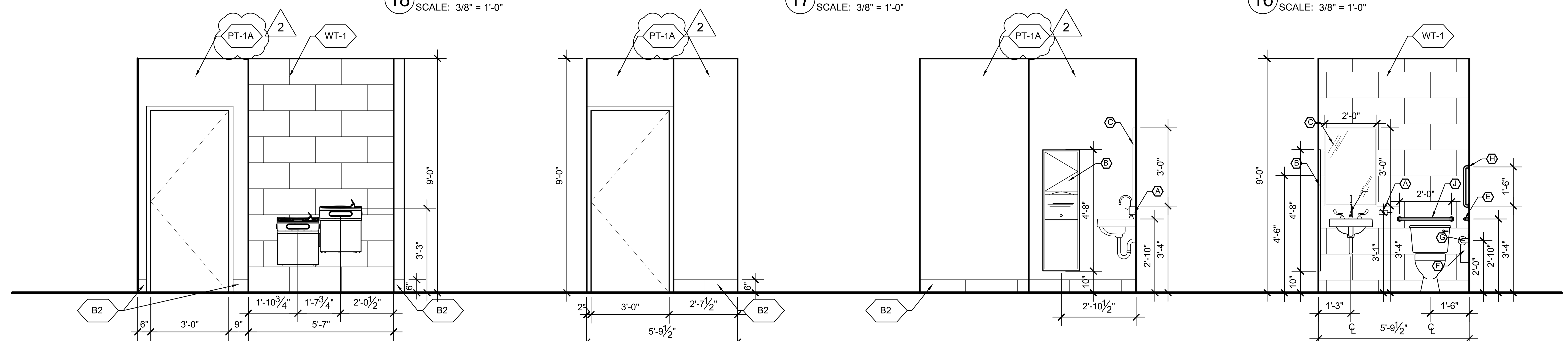
MODEL #	TOILET ACCESSORY SCHEDULE
B - 211	(A) SURFACE MOUNTED LIQUID SOAP DISPENSER.
B - 3942	(B) RECESSED PAPER TOWEL DISP. / RECEPTACLE.
B - 1652436	(C) 24" X 36" MIRROR.
B - 6806X36	(D) 1-1/2" DIAMETER X 36" LONG PEENED GRAB BAR.
B - 6806X42	(E) 1-1/2" DIAMETER X 42" LONG PEENED GRAB BAR.
B - 4354	(F) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL.
B - 685	(G) SURFACE MOUNTED TOILET TISSUE DISPENSER.
B - 6806X18	(H) 1-1/2" DIAMETER X 18" LONG PEENED GRAB BAR.
B - 505	(J) RECESSED SPECIMEN PASS THROUGH CABINET



18 124 SOILED WEST WALL AT MOP SINK
SCALE: 3/8" = 1'-0"

17 119 BREAKROOM EAST WALL
SCALE: 3/8" = 1'-0"

16 119 BREAKROOM WEST WALL
SCALE: 3/8" = 1'-0"

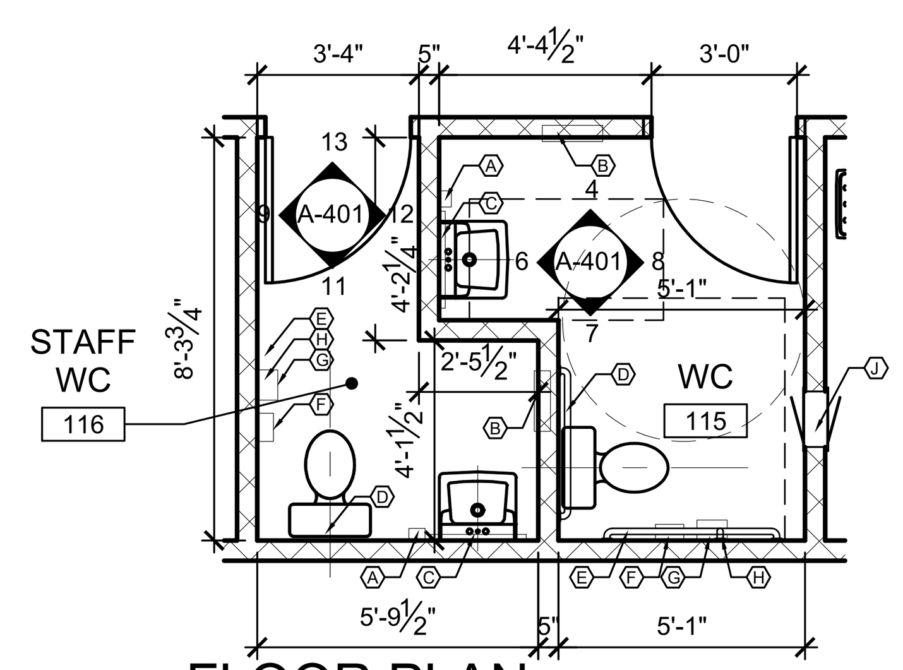


14 ELEVATION AT WATER FOUNTAINS
SCALE: 3/8" = 1'-0"

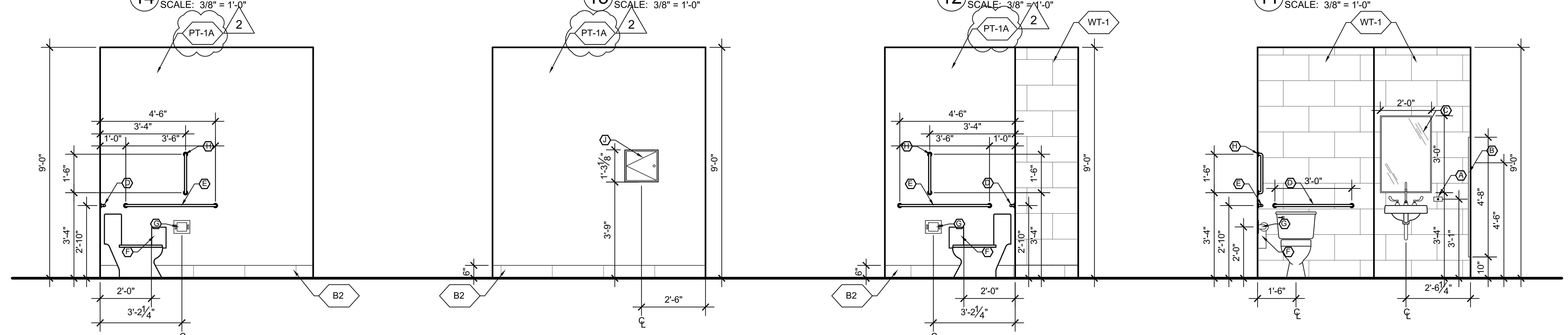
13 WC 116 EAST WALL
SCALE: 3/8" = 1'-0"

12 WC 116 SOUTH WALL
SCALE: 3/8" = 1'-0"

11 WC 116 WET WALL
SCALE: 3/8" = 1'-0"



10 FLOOR PLAN WC 115 & 116
SCALE: 1/4" = 1'-0"

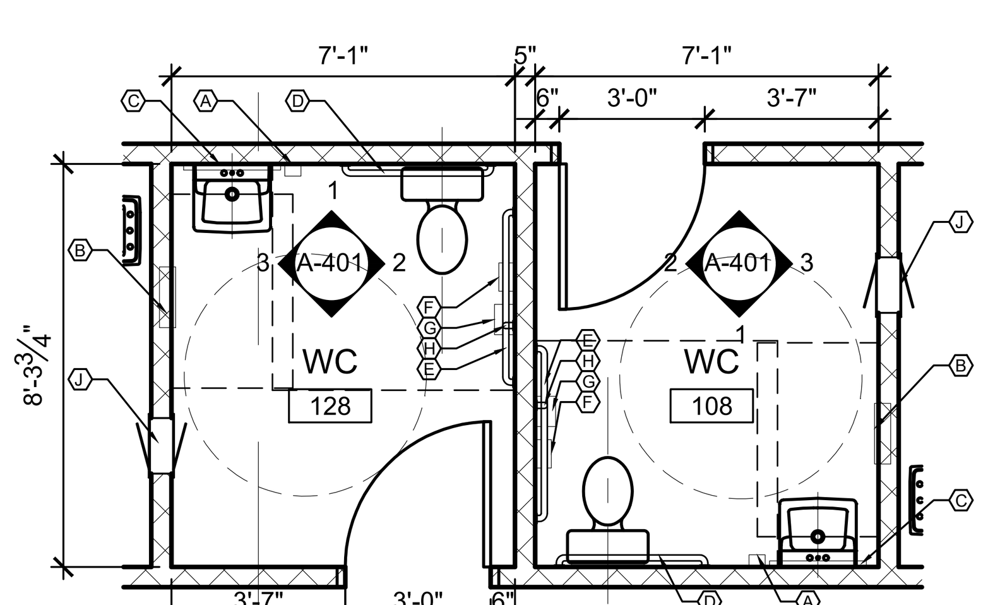


9 WC 116 NORTH WALL
SCALE: 3/8" = 1'-0"

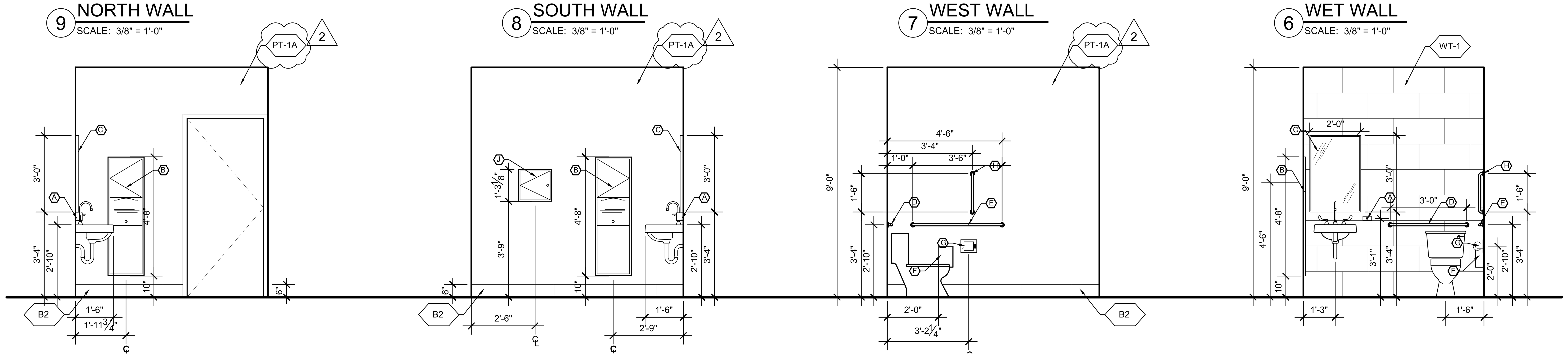
8 WC 115 SOUTH WALL
SCALE: 3/8" = 1'-0"

7 WC 115 WEST WALL
SCALE: 3/8" = 1'-0"

6 WC 115 WET WALL
SCALE: 3/8" = 1'-0"



5 FLOOR PLAN WC 108 & 128
SCALE: 1/4" = 1'-0"



4 WC 115 EAST WALL
SCALE: 3/8" = 1'-0"

3 WC 108 SOUTH WALL & 128 NORTH WALL
SCALE: 3/8" = 1'-0"

2 WC 108 NORTH WALL & 128 SOUTH WALL
SCALE: 3/8" = 1'-0"

1 WC 108 & 128 WET WALL
SCALE: 3/8" = 1'-0"

NOTE: ELEVATION MARKS LOCATED ON ENLARGED FLOOR PLAN SHEET.

Oct 28, 2021

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
FAX (913) 322-6277

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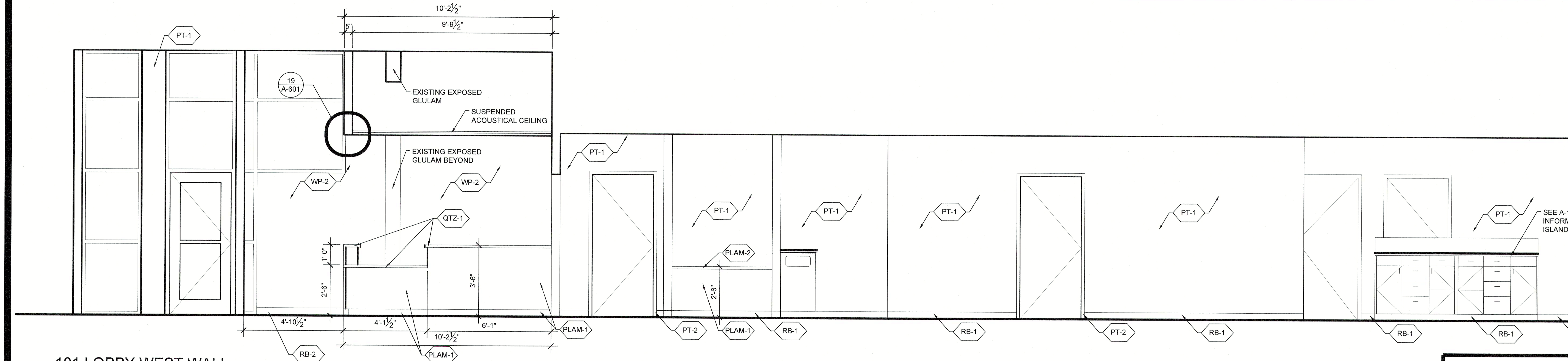
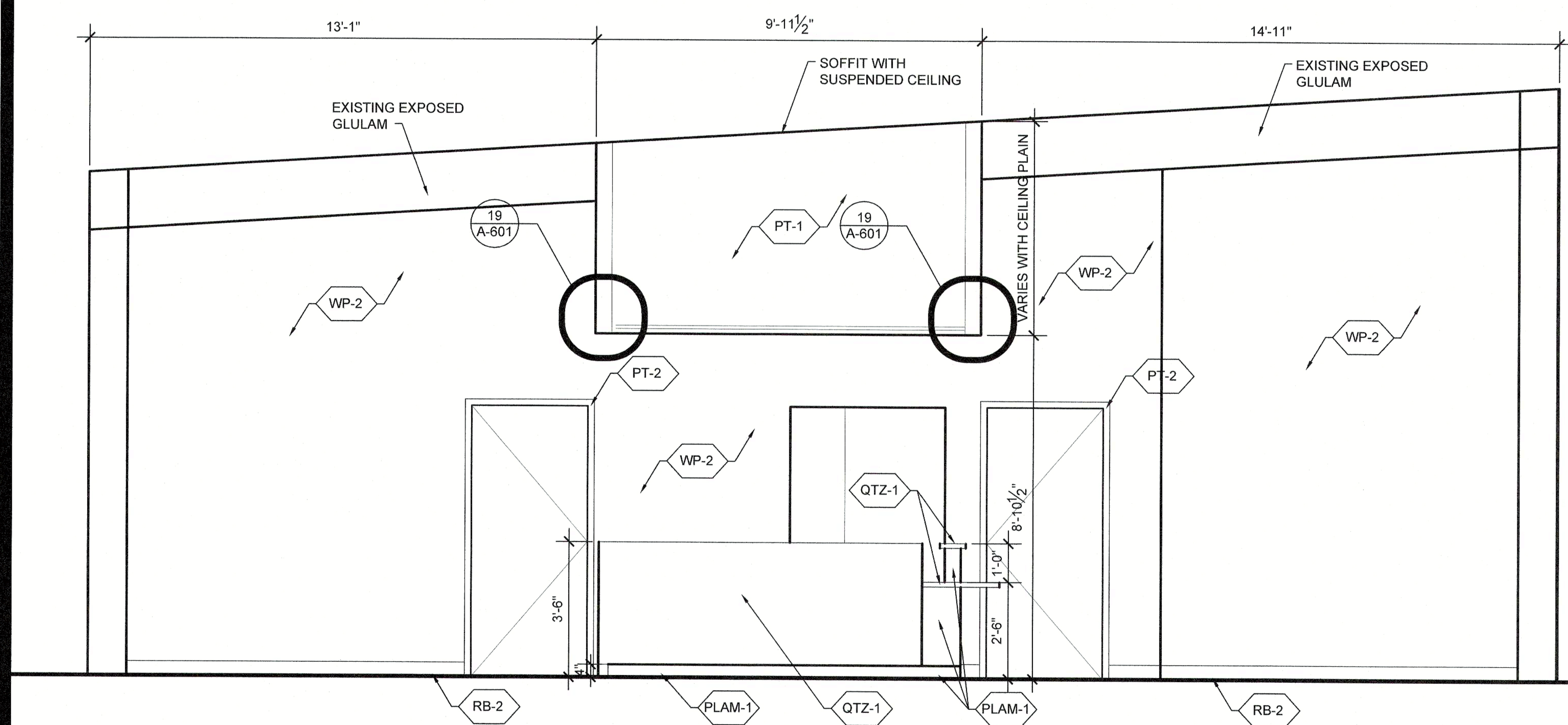
2021027

INTERIOR ELEVATIONS

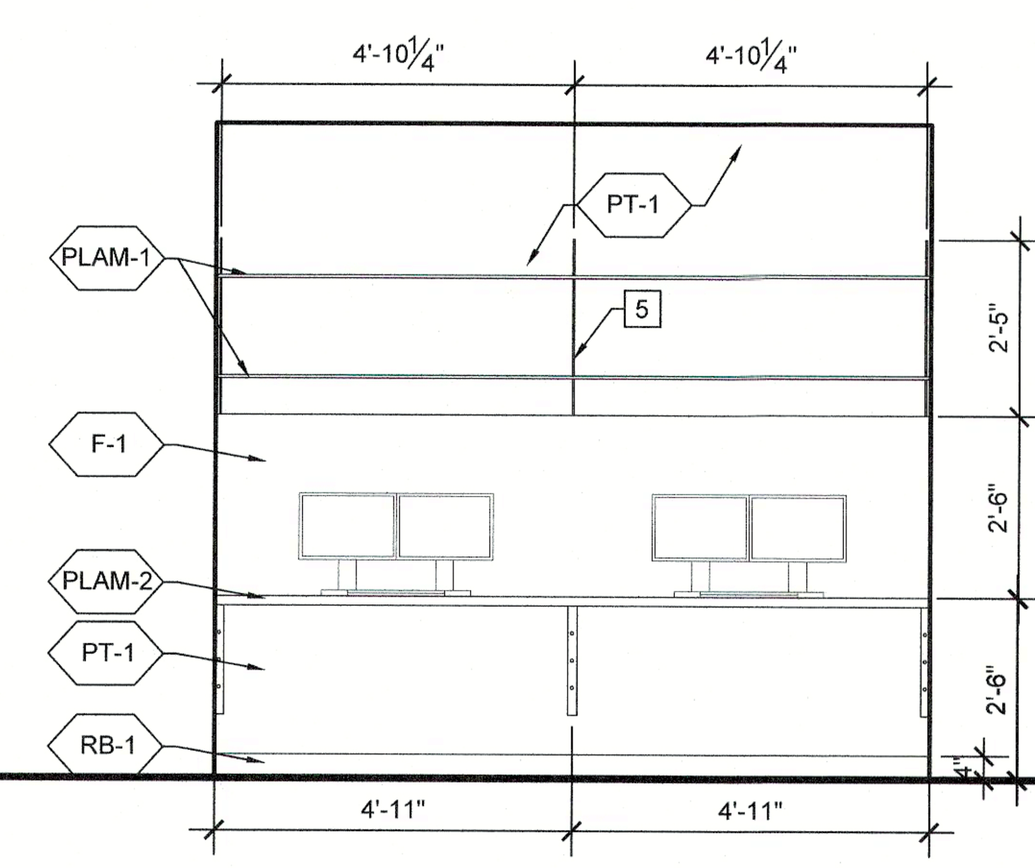
SHEET NUMBER
A-401



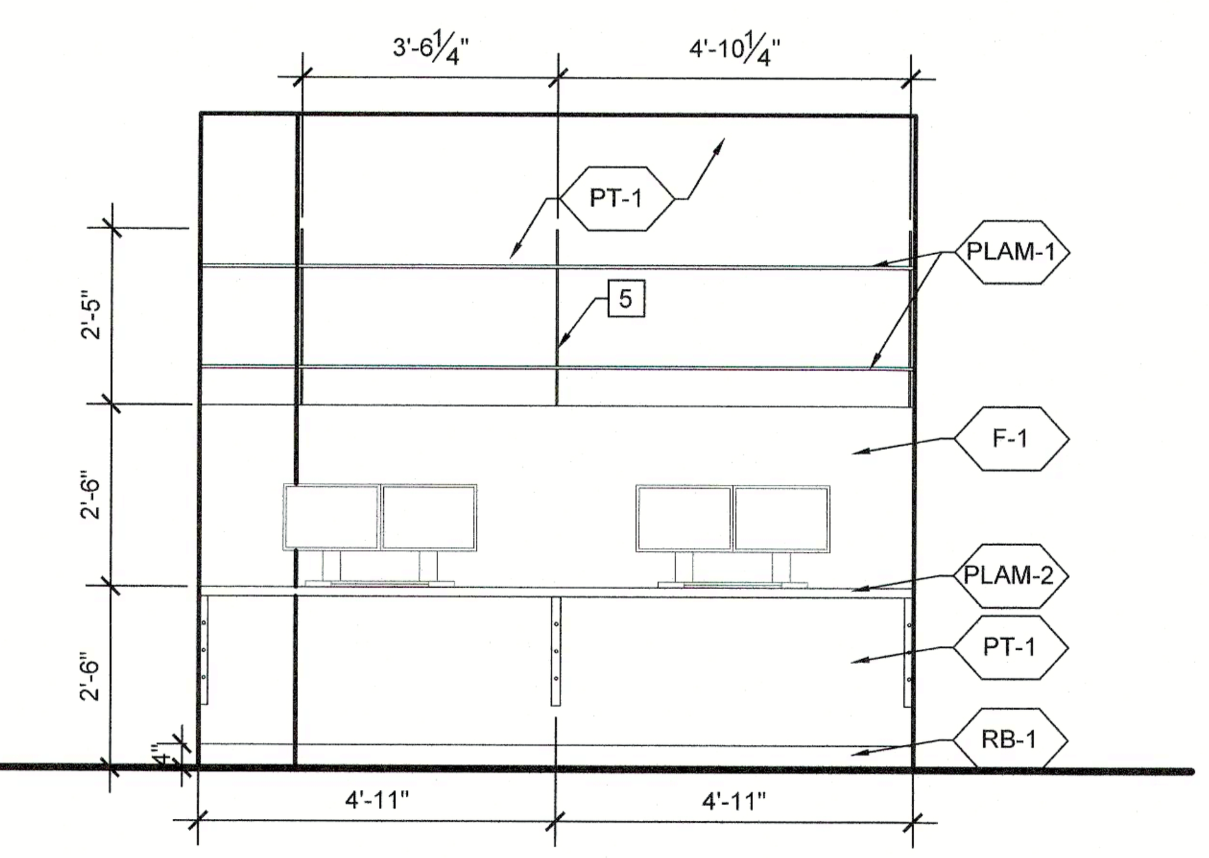
9 101 LOBBY WEST WALL WITH CORRIDOR 1
SCALE: 3/8" = 1'-0"



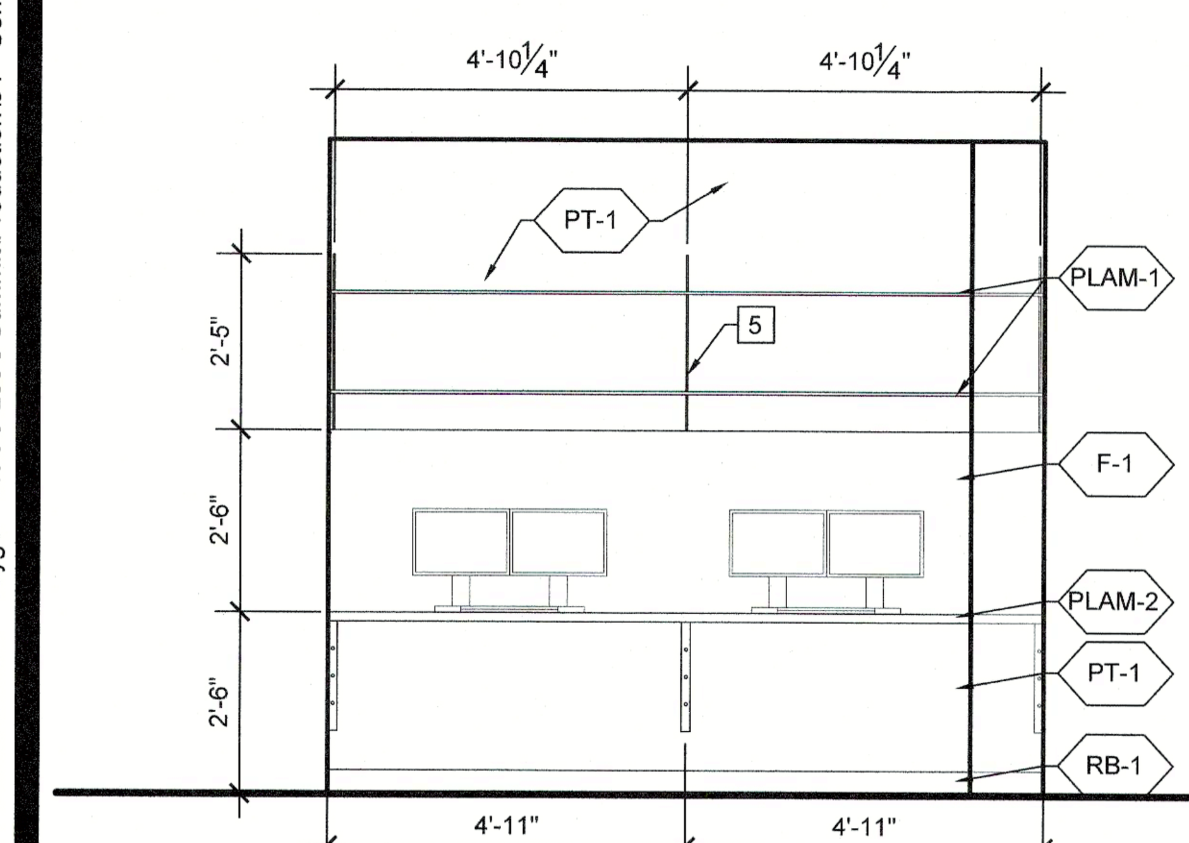
8 101 LOBBY AT FRONT 102 RECEPTION COUNTER
SCALE: 3/8" = 1'-0"



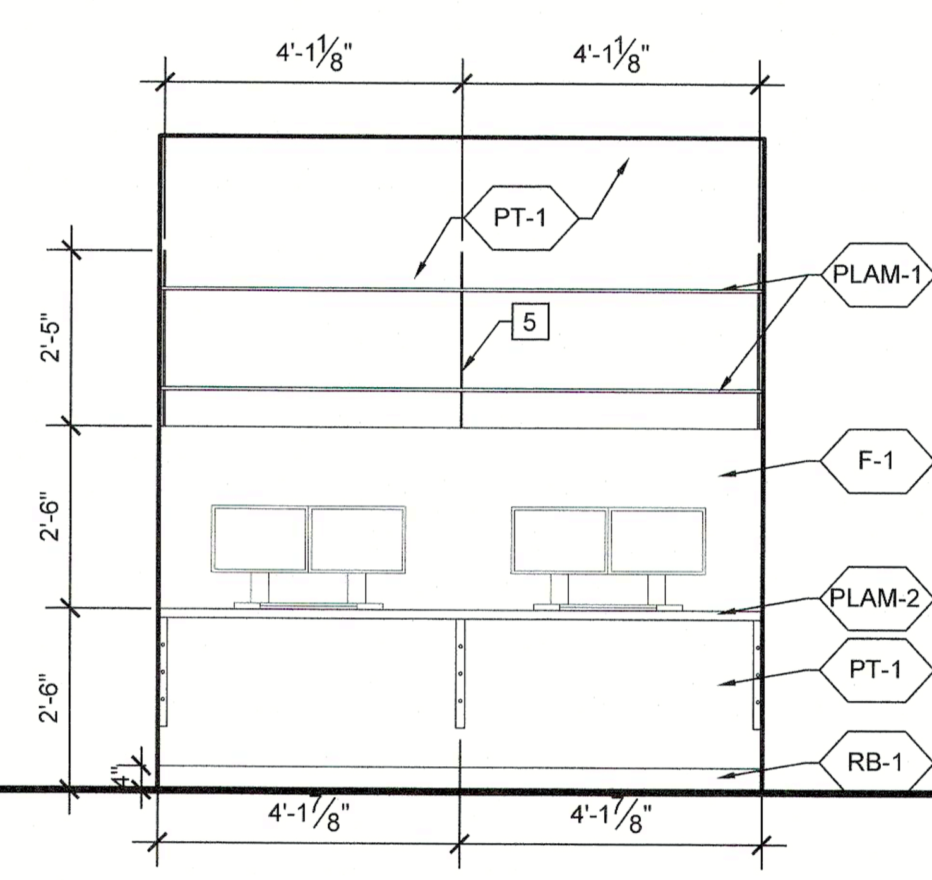
6 130 NURSES OFFICE NORTH WALL
SCALE: 3/8" = 1'-0"



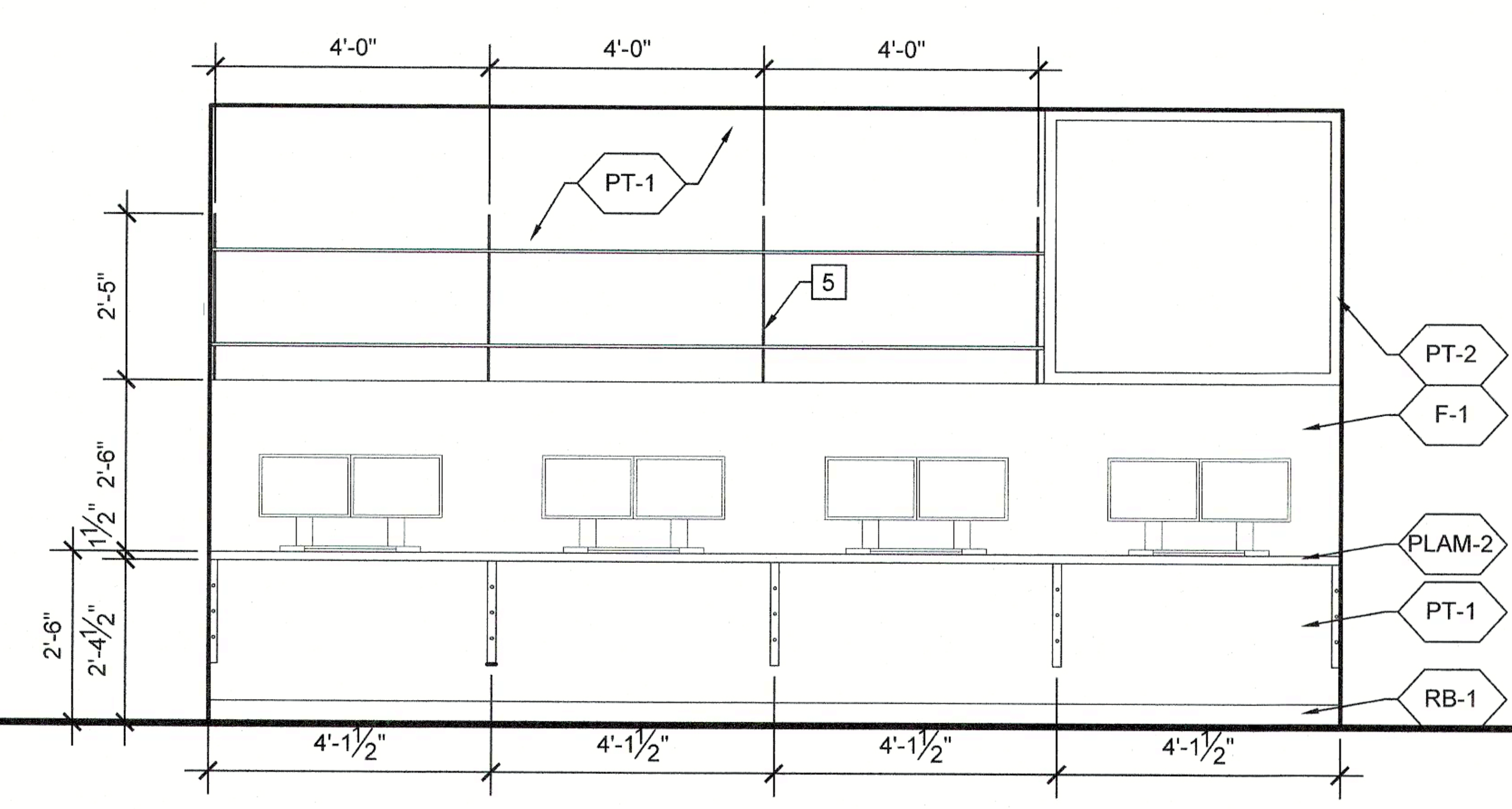
5 130 NURSES OFFICE SOUTH WALL
SCALE: 3/8" = 1'-0"



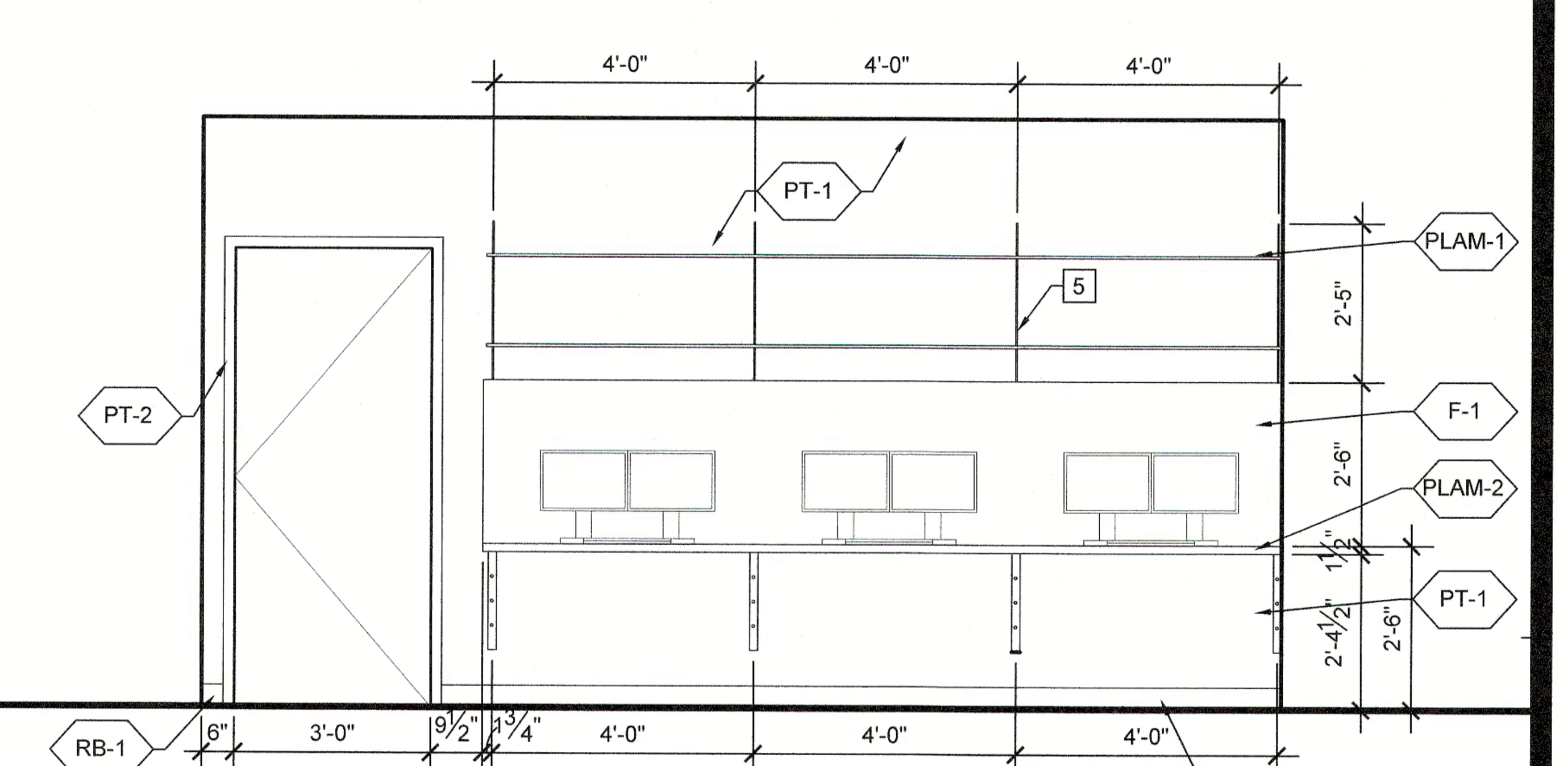
4 125 STAFF OFFICE NORTH & SOUTH WALLS
SCALE: 3/8" = 1'-0"



3 122 STAFF OFFICE NORTH & SOUTH WALLS
SCALE: 3/8" = 1'-0"



2 118 SHARED OFFICE EAST WALL
SCALE: 3/8" = 1'-0"



1 118 SHARED OFFICE WEST WALL
SCALE: 3/8" = 1'-0"

GENERAL NOTES

1. SEE A-602 FOR ABBREVIATIONS AND FINISH SCHEDULE.
2. ELEVATIONS MARKS LOCATED ON ENLARGED FLOOR PLAN SHEET A-102.

KEYED NOTES

1. 8" DIAMETER OPENING FOR UNDER COUNTER TRASH RECEPTACLE.
2. PRIVACY CURTAIN, SEE A-602 FOR FINISHES.
3. SPECIMEN PASS-THROUGH CABINET, SEE A-401 FOR PRODUCT.
4. SIDE OPENING FOR TRASH RECEPTACLE.
5. SHELVING TRACK.

STATE OF MISSOURI REGISTERED ARCHITECT
Oct 13, 2021

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ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
FAX (913) 322-6277

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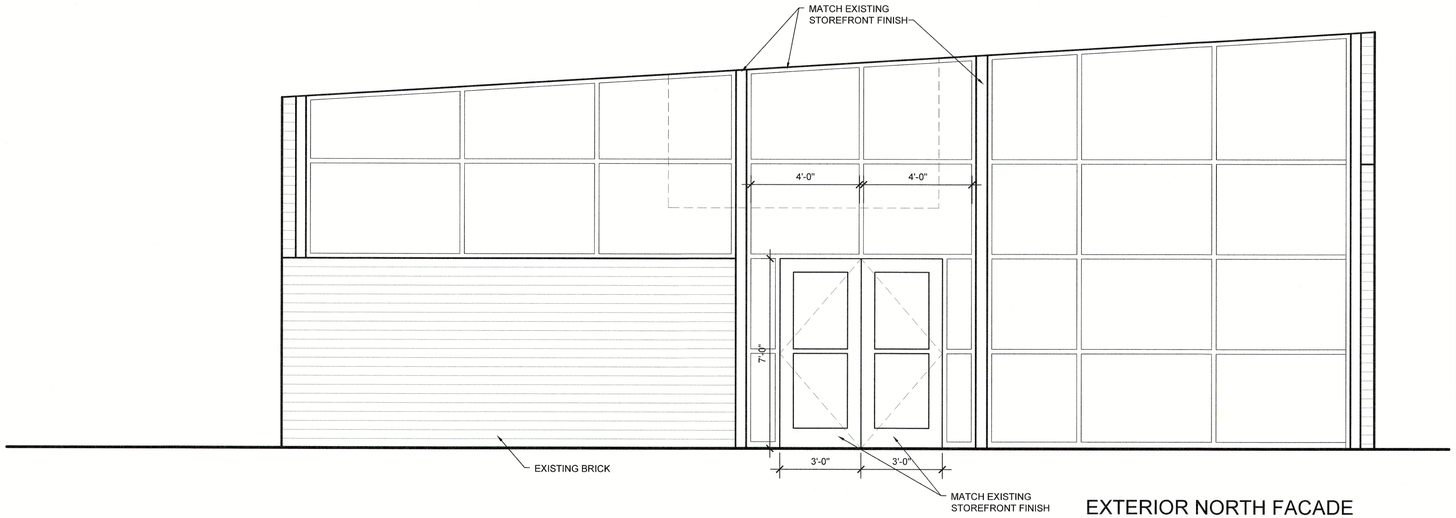
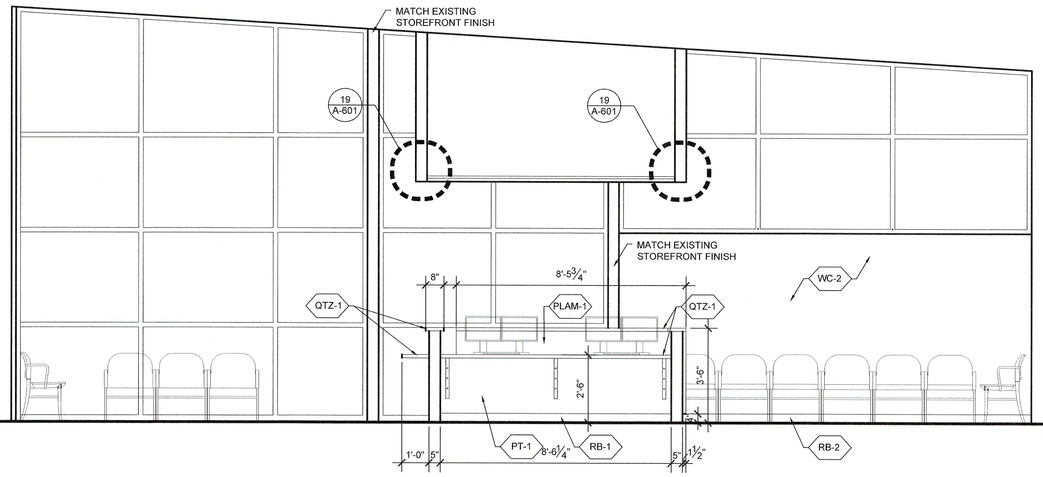
INTERIOR ELEVATIONS

SHEET NUMBER
A-403



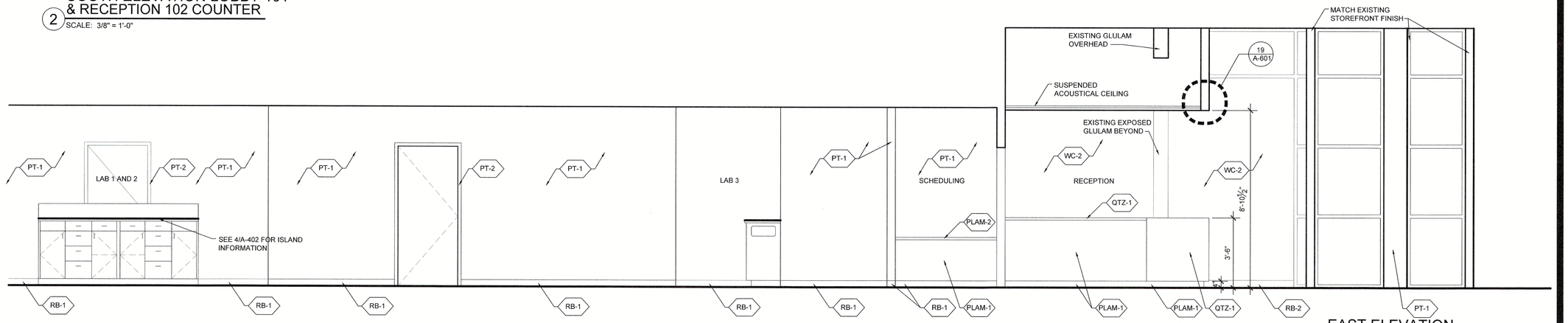
EXTERIOR NORTH FACADE ENTRY WITH VESTIBULE

3 SCALE: 3/8" = 1'-0"



SOUTH ELEVATION LOBBY 101 & RECEPTION 102 COUNTER

2 SCALE: 3/8" = 1'-0"



EAST ELEVATION LOBBY 101 AND CORRIDOR 2

1 SCALE: 3/8" = 1'-0"

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(9 1 3) 3 2 2 - 2 4 4 4
F A X (9 1 3) 3 2 2 - 6 2 7 7

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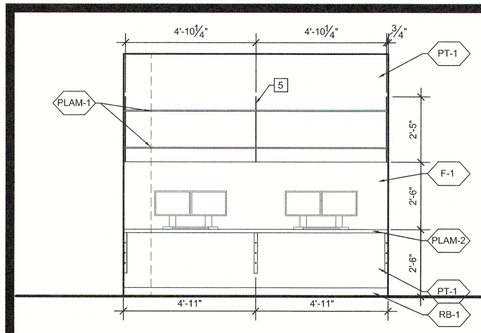
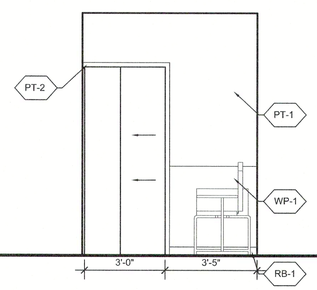
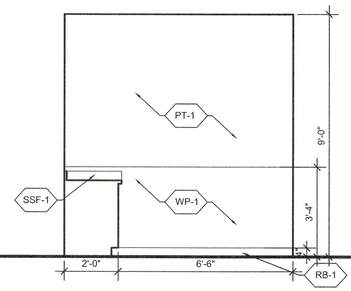


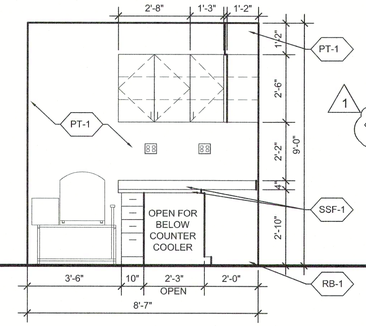
106 DOCTORS WORKSTATIONS
20 SCALE: 3/8" = 1'-0"



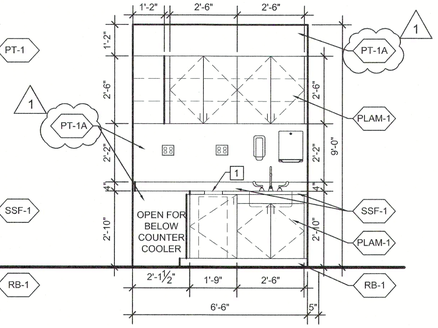
131 PHLEB. EAST WALL
19 SCALE: 3/8" = 1'-0"



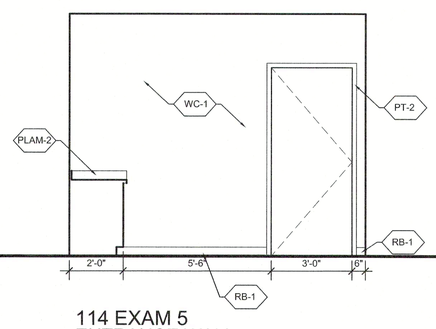
131 PHLEB. NORTH WALL
18 SCALE: 3/8" = 1'-0"



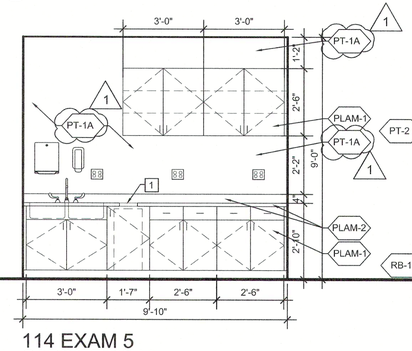
131 PHLEB. SOUTH WALL
17 SCALE: 3/8" = 1'-0"



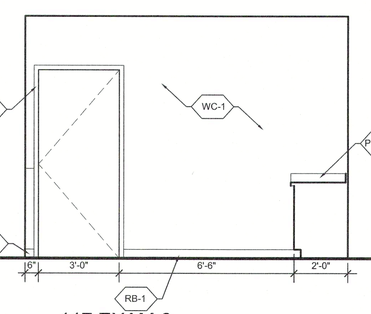
131 PHLEB. WEST WALL
16 SCALE: 3/8" = 1'-0"



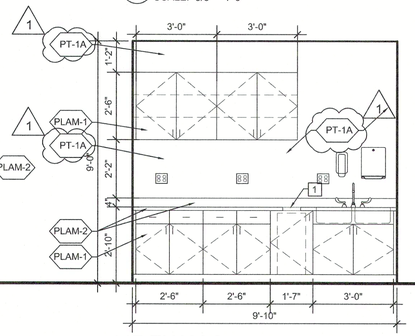
114 EXAM 5 ENTRANCE WALL
15 SCALE: 3/8" = 1'-0"



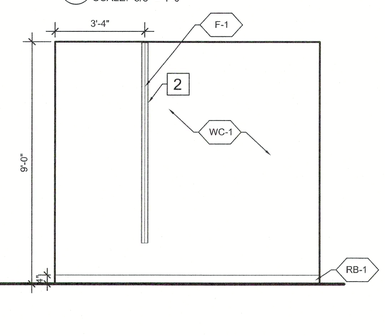
114 EXAM 5 CABINET WALL
14 SCALE: 3/8" = 1'-0"



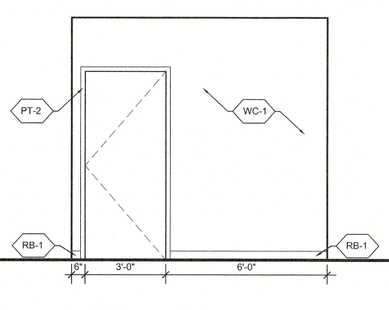
117 EXAM 6 ENTRANCE WALL
13 SCALE: 3/8" = 1'-0"



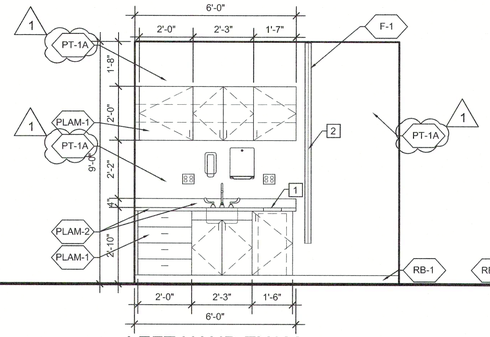
117 EXAM 6 CABINET WALL
12 SCALE: 3/8" = 1'-0"



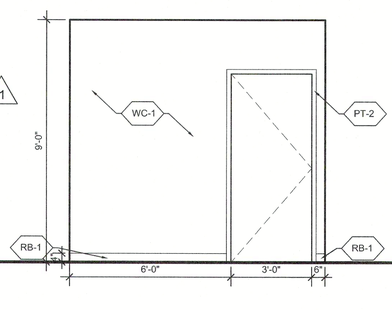
LEFT HAND EXAM CURTAIN WALL
11 SCALE: 3/8" = 1'-0"



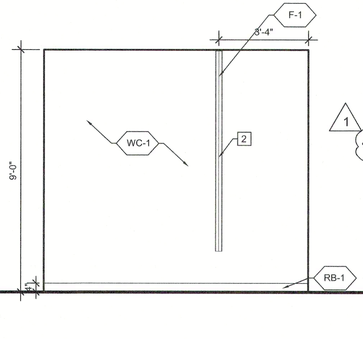
LEFT HAND EXAM ENTRANCE WALL
10 SCALE: 3/8" = 1'-0"



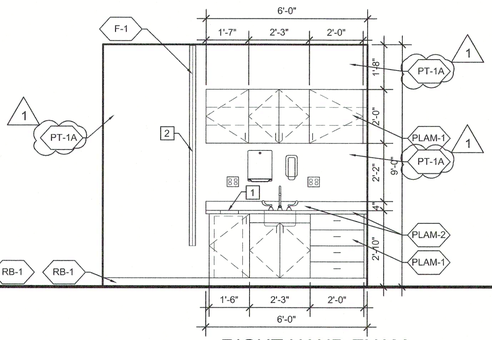
LEFT HAND EXAM COUNTER WALL
9 SCALE: 3/8" = 1'-0"



RIGHT HAND EXAM ENTRANCE WALL
8 SCALE: 3/8" = 1'-0"



RIGHT HAND EXAM CURTAIN WALL
7 SCALE: 3/8" = 1'-0"



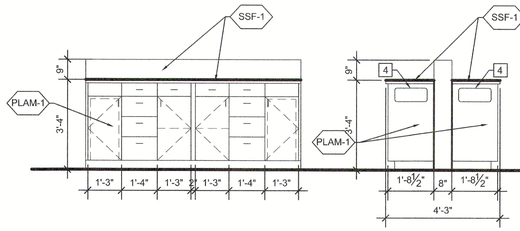
RIGHT HAND EXAM CABINET WALL
6 SCALE: 3/8" = 1'-0"

GENERAL NOTES

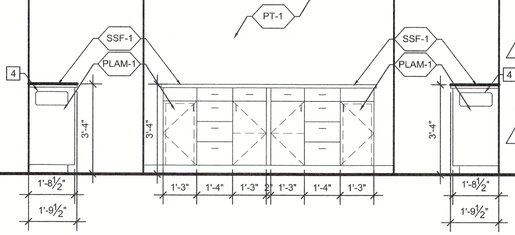
1. SEE A-602 FOR ABBREVIATIONS AND FINISH SCHEDULE.
2. ELEVATIONS MARKS LOCATED ON ENLARGED FLOOR PLAN SHEET A-102.

KEYED NOTES

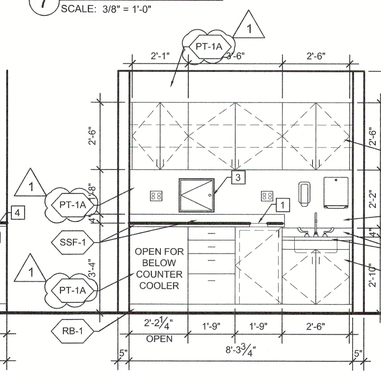
1. 8" DIAMETER OPENING FOR UNDER COUNTER TRASH RECEPTACLE.
2. PRIVACY CURTAIN, SEE A-602 FOR FINISHES.
3. SPECIMEN PASS-THROUGH CABINET, SEE A-401 FOR PRODUCT.
4. SIDE OPENING FOR TRASH RECEPTACLE.
5. SHELVING TRACK.



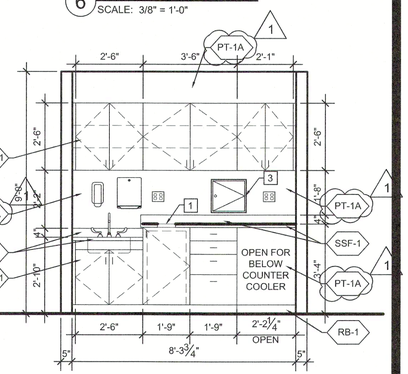
111 LAB 2 & 113 LAB 1 ISLAND ELEVATIONS
4 SCALE: 3/8" = 1'-0"



105 LAB 3 PC COUNTER WITH SIDE ELEVATIONS
3 SCALE: 3/8" = 1'-0"



113 LAB 1 SINK COUNTER
2 SCALE: 3/8" = 1'-0"



105 LAB 3 & 111 LAB 2 AT SINK COUNTER
1 SCALE: 3/8" = 1'-0"

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(9 1 3) 3 2 2 - 2 4 4 4
F A X (9 1 3) 3 2 2 - 6 2 7 7

Oct 27, 2021

REMODEL
LEE'S SUMMIT KCUC UROLOGY & ONCOLOGY
451 NW MURRAY ROAD
LEE'S SUMMIT, MISSOURI 64081
JACKSON COUNTY

DATE PRINTED:
Oct 27, 2021

DATE ISSUED:
10.13.2021

REVISIONS:
1 10/21/21 CITY COMMENTS

ARCHITECTURAL PROJECT NUMBER
2021027

INTERIOR ELEVATIONS

SHEET NUMBER
A-402

DOOR SCHEDULE

			DOOR INFORMATION						FRAME INFORMATION				DETAILS				
DOOR	ROOM NUMBER	ROOM NAME	SIZE	MATERIAL	FINISH	TYPE	GLAZING	RATING	MATERIAL	FINISH	TYPE	RATING	HEAD	JAMB	SILL	HARDWARE	NOTES
100A	100	VESTIBULE	PR. 3'-0" X 7'-0"	ALUMINUM	MATCH EXISTING	4	TEMPERED	--	ALUMINUM	MATCH EXISTING	--	--	11,21/A-601	6,16/A-601	1/A-601	SET 1	NOTES
100B	100	VESTIBULE	3'-0" X 7'-0"	ALUMINUM	MATCH EXISTING	3	TEMPERED	--	ALUMINUM	MATCH EXISTING	--	--	7,12/A-601	2/A-601	1/A-601	SET 5	NOTES
101A	101	LOBBY	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	-	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
101B	101	LOBBY	3'-0" X 7'-0"	SOLID CORE WOOD	PAINTED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
102	102	RECEPTION	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
104	104	EXAM 1	3'-6" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	B	--	13/A-601	8/A-601	3/A-601	SET 3	NOTES
106	106	DOCTORS	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 7	NOTES
107	119	DOCTORS ENTRY	3'-0" X 7'-0"	HOLLOW METAL	MATCH EXISTING	2	TEMPERED	--	ALUMINUM	MATCH EXISTING	A	--	15/A-601	10/A-601	5/A-601	SET 2	NOTES
108	108	WC	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 6	NOTES
109	109	EXAM 2	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	11,21/A-601	6,16/A-601	1/A-601	SET 3	NOTES
110	110	EXAM 3	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
112	112	EXAM 4	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
C1	C1	CORRIDOR 1	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
114	114	EXAM 5	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
115	115	WC	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 6	NOTES
116	116	WC	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 6	NOTES
117	117	EXAM 6 (1)	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
118	118	SHARED STAFF	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
119	119	BREAKROOM	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
120	120	MECH	EXISTING	EXISTING	EXISTING	--	EXISTING	EXIST.	EXISTING	EXISTING	EXIST.	EXIST.	EXISTING	EXISTING	EXISTING	EXISTING	NOTES
120A	120A	MECH. VESTIBULE	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	1 HOUR	HOLLOW METAL	PAINTED	A	EXIST.	15/A-601	10/A-601	5/A-601	SET 7	1 HOUR FIRE RATED DOOR
121	121	IT	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 7	NOTES
122	122	STAFF (4)	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1B	--	--	HOLLOW METAL	PAINTED	1B	--	15/A-601	10/A-601	5/A-601	SET 4	POCKET DOOR
123	123A	STORAGE	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 7	NOTES
123	123B	STORAGE	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 7	NOTES
124	124	SOILED	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
125	125	STAFF (4)	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1B	--	--	HOLLOW METAL	PAINTED	1B	--	15/A-601	10/A-601	5/A-601	SET 4	POCKET DOOR
126	126	EXAM 7	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
127	127	EXAM 8	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
128	128	WC	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 6	NOTES
129	129	EXAM 9	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
130	130	NURSES	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1	--	--	HOLLOW METAL	PAINTED	A	--	15/A-601	10/A-601	5/A-601	SET 3	NOTES
131	131	PHLEBOTOMY	3'-0" X 7'-0"	SOLID CORE WOOD	STAINED	1B	--	--	HOLLOW METAL	PAINTED	1B	--	15/A-601	10/A-601	5/A-601	SET 4	POCKET DOOR

HARDWARE SCHEDULE

NOTE: HARDWARE SHOWN FOR REFERENCE ONLY. ALL HARDWARE BY DOOR SUPPLIER. ALL HARDWARE SET TO BE KEYED TO OWNER'S SYSTEM.

SET 1
3 PAIR HINGE/2 EA - HW HINGE (NRP)
1 EA - PANIC HDWR W/ CYLINDER TRIM
1 EA CYLINDER (ACTIVE DOOR)
2 EA 90 DEG. OFFSET PULL
2 EA CLOSER PA W/ STOP
1 EA SURFACE BOLTS (INACTIVE DOOR)
2 EA DOOR SWEEP
2 EA WEATHERSTRIP BY DOOR SUPPLIER
1 EA THRESHOLD

SET 2
3 EA HW HINGE (NRP)
1 EA PANIC HDWR (NIGHT LATCH TRIM)
1 EA CYLINDER
1 EA 90 DEG. OFFSET PULL
1 EA CLOSER PA W/STOP
1 EA KICK PLATE
1 EA SURFACE BOLTS
1 EA DOOR SWEEP
1 EA THRESHOLD
1 EA RAIN DRIP
EACH TO HAVE:

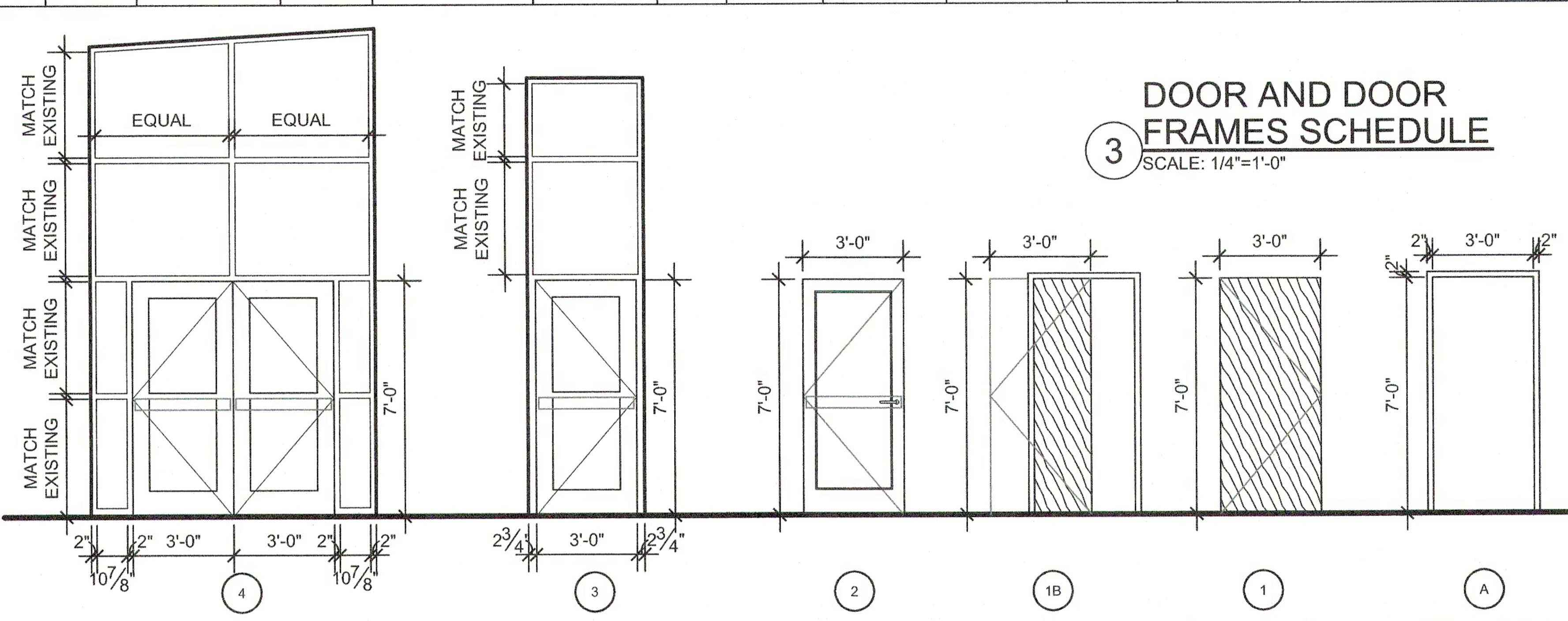
SET 3:
3 PAIR HINGE - HW HINGE
1 EA - PASSAGE SET
1 EA - CLOSER
1 EA - DOOR STOP
1 EA - KICK PLATE

SET 4:
1 EA - PASSAGE POCKET SET

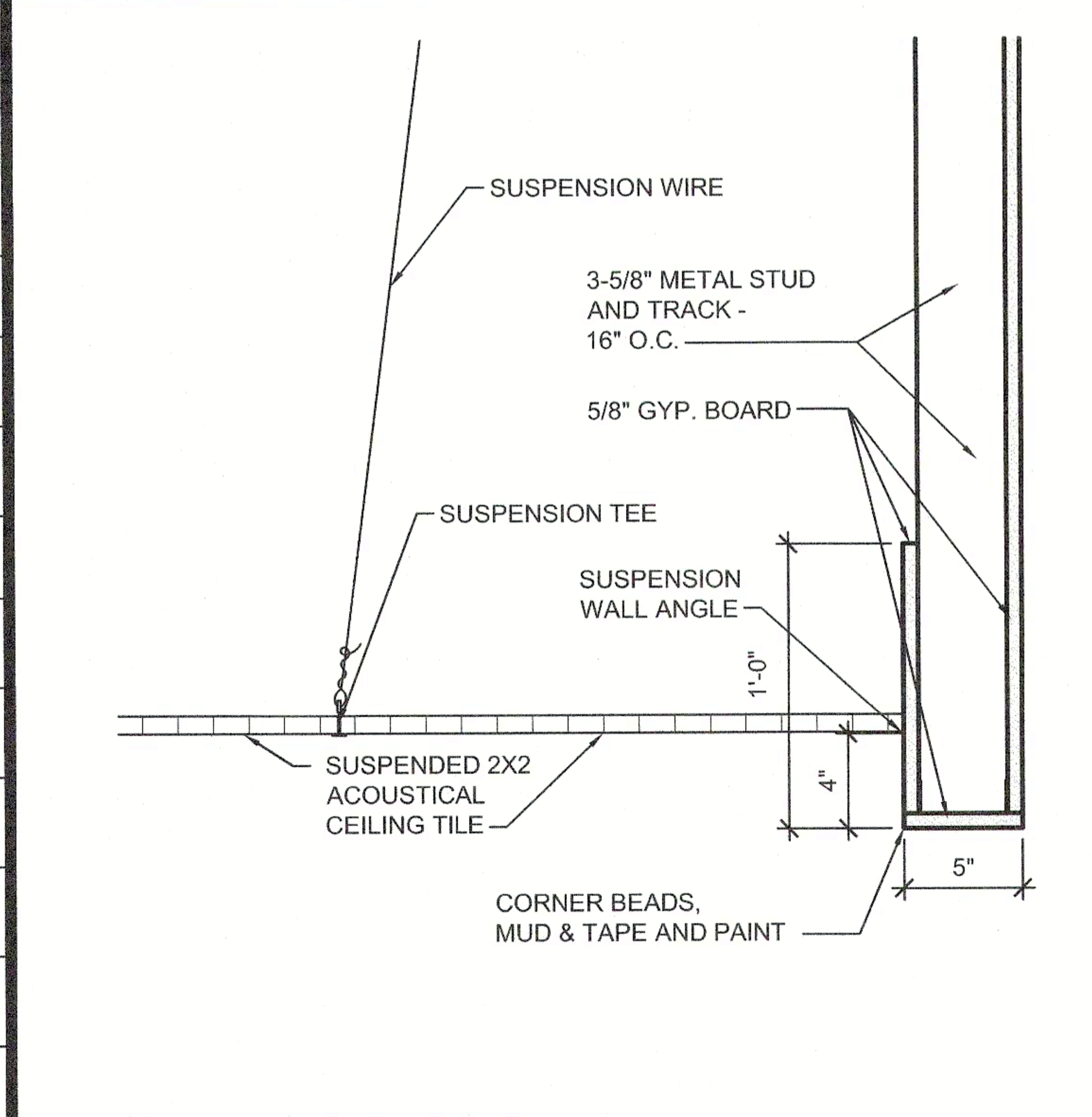
SET 5:
3 PAIR HINGE - HW HINGE
1 EA - PUSH/PULL
1 EA - CLOSER
1 EA - DOOR STOP
1 EA - DOOR SILENCER
1 EA - KICK PLATE

SET 6:
3 PAIR HINGE - HW HINGE
1 EA - PRIVACY LOCK
1 EA - CLOSER
1 EA - KICK PLATE
1 EA - DOOR STOP
1 EA - DOOR SILENCER

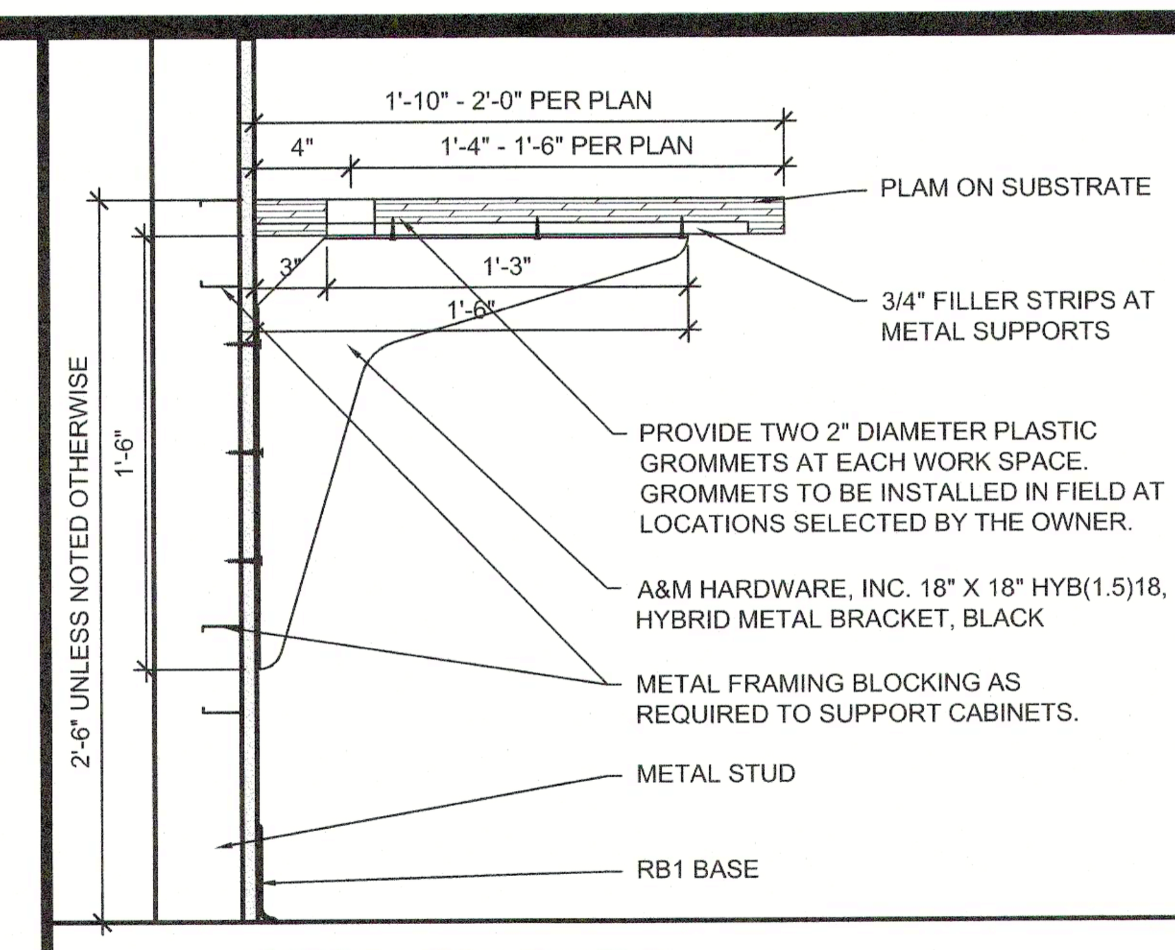
SET 7:
3 PAIR HINGE - HW HINGE
1 EA - ENTRY/OFFICE LOCK
1 EA - CLOSER
1 EA - KICK PLATE
1 EA - DOOR STOP
1 EA - DOOR SILENCER



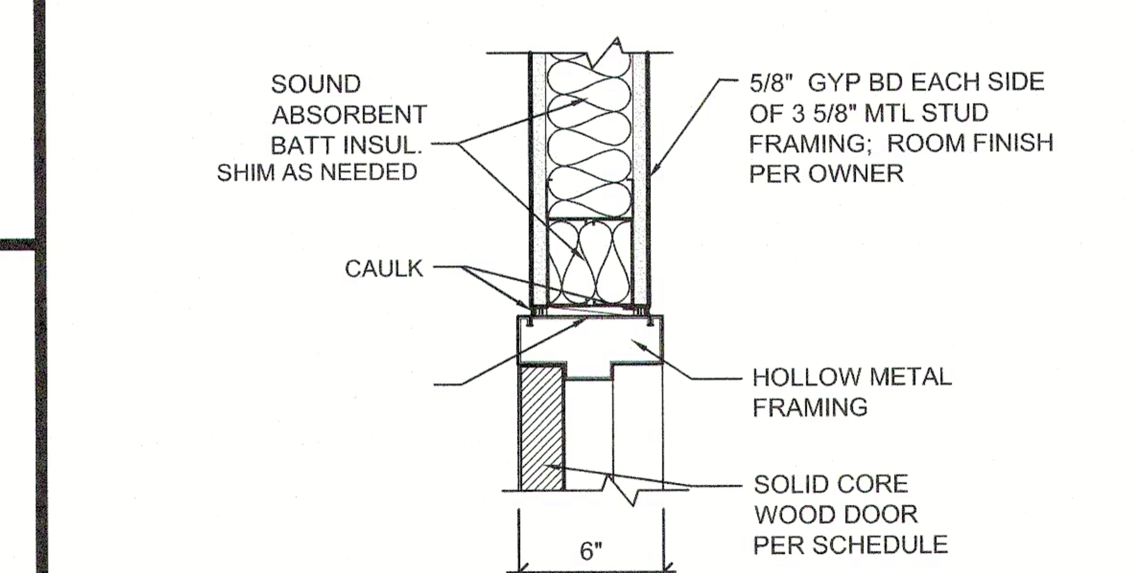
3 DOOR AND DOOR FRAMES SCHEDULE
SCALE: 1/4"=1'-0"



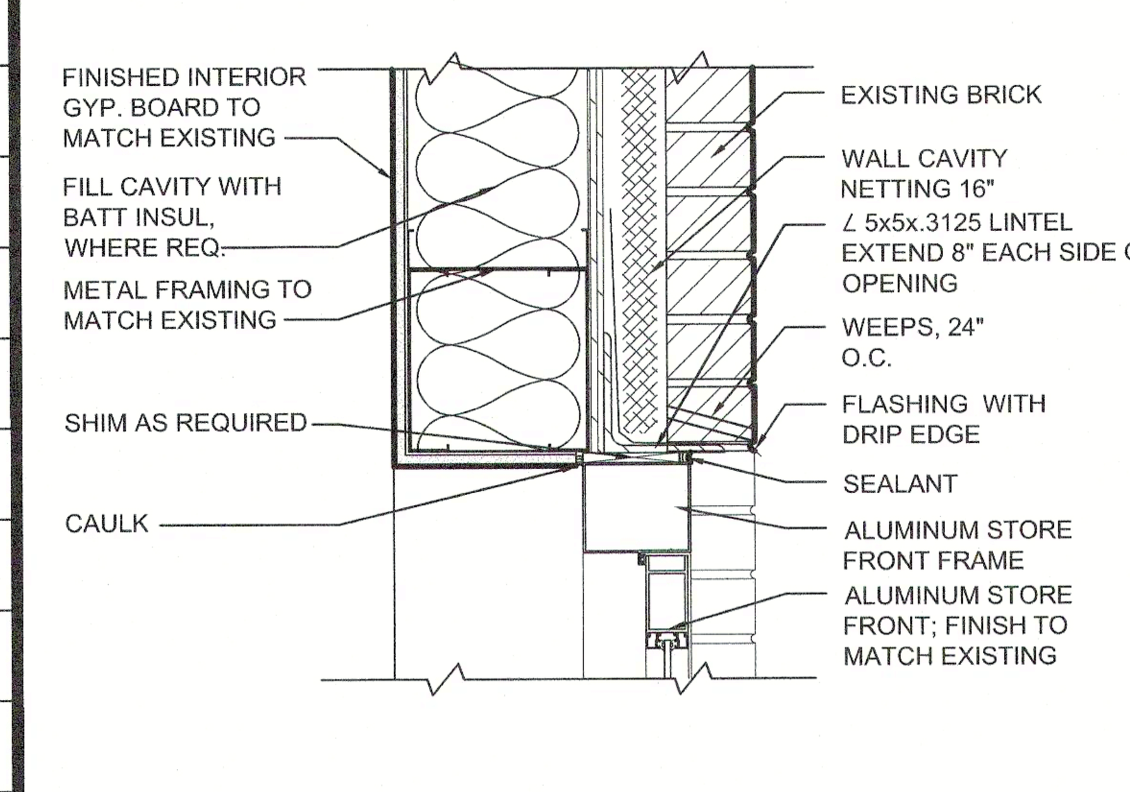
19 RECEPTION COUNTER SOFFIT
SCALE: 1 1/2"=1'-0"



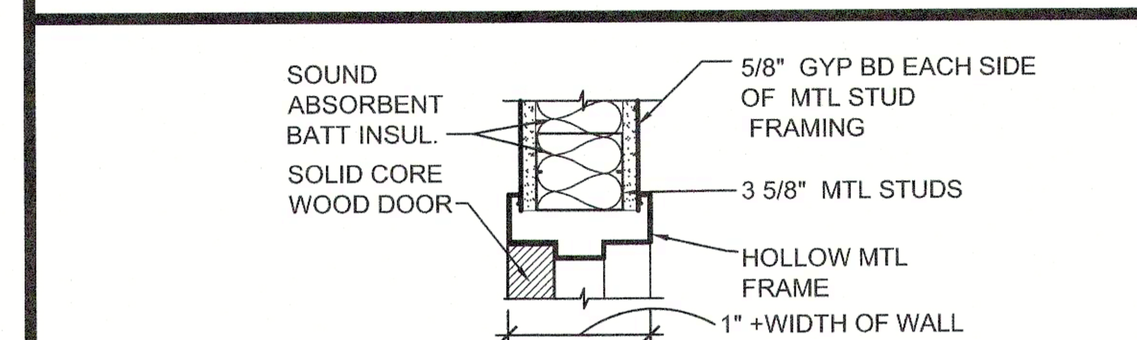
20 WORK COUNTER SUPPORT SECTION
SCALE: 1 1/2"=1'-0"



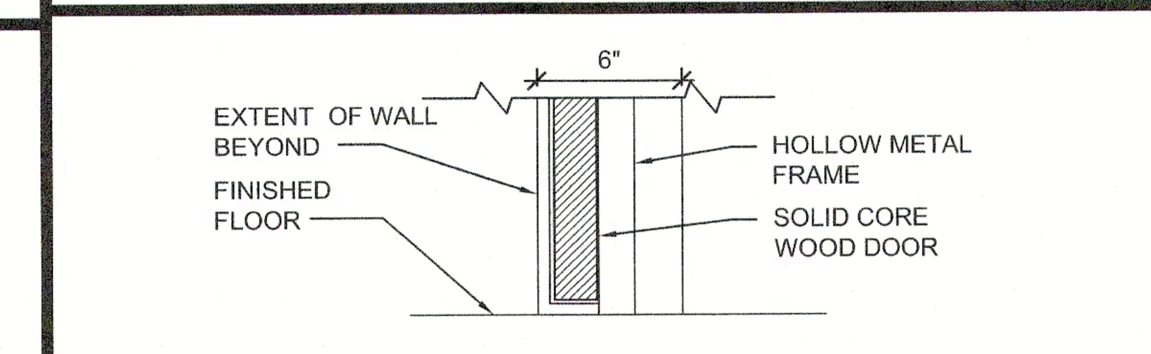
17 INTERIOR DOOR HEAD
SCALE: 1 1/2"=1'-0"



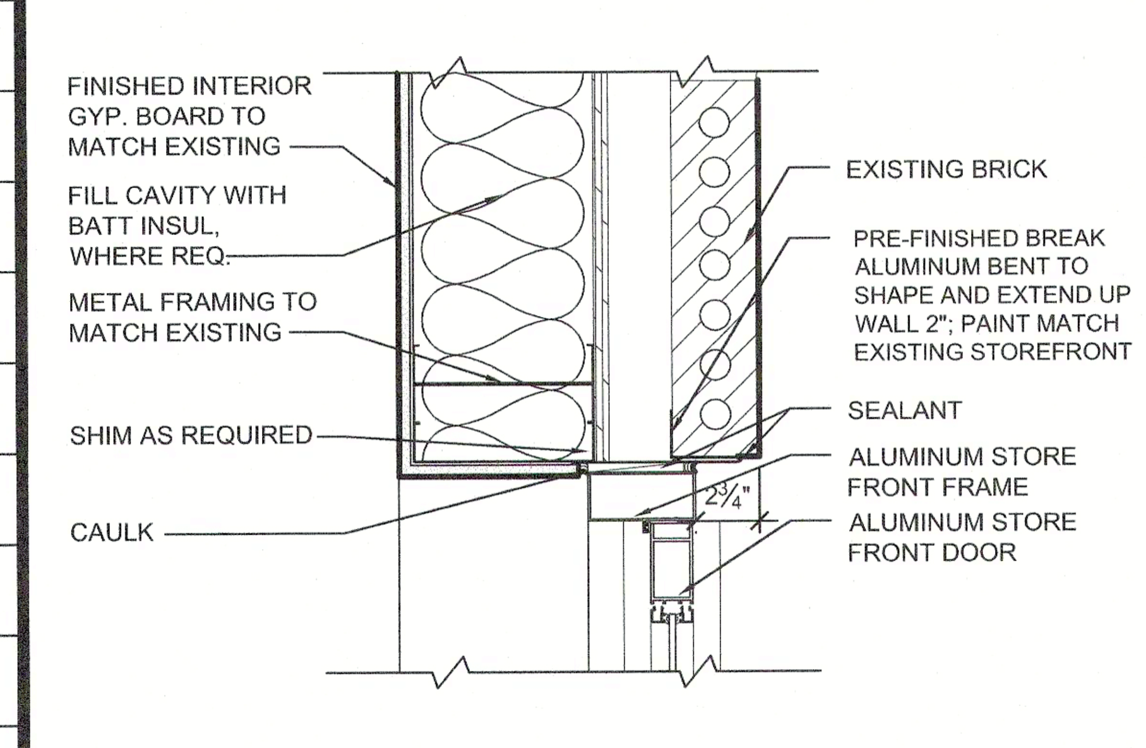
12 EXTERIOR EXIT DOOR HEAD
SCALE: 1 1/2"=1'-0"



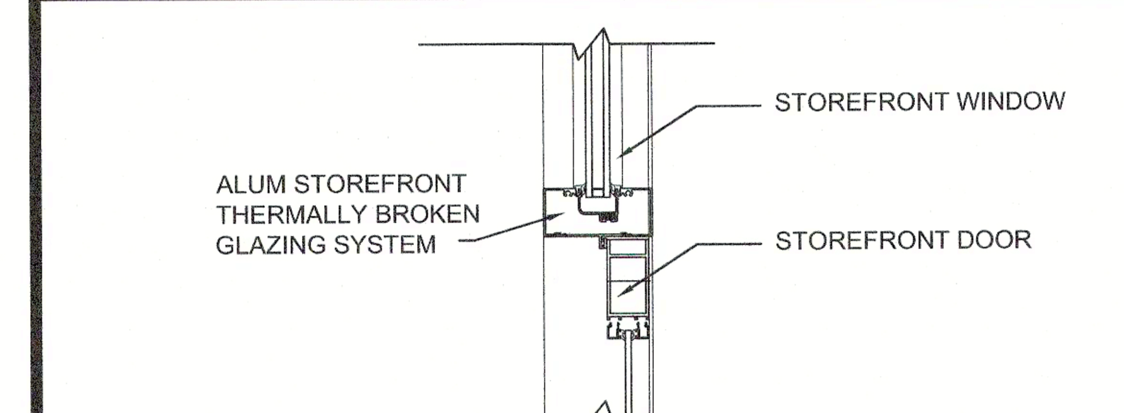
16 INTERIOR DOOR JAMB
SCALE: 1 1/2"=1'-0"



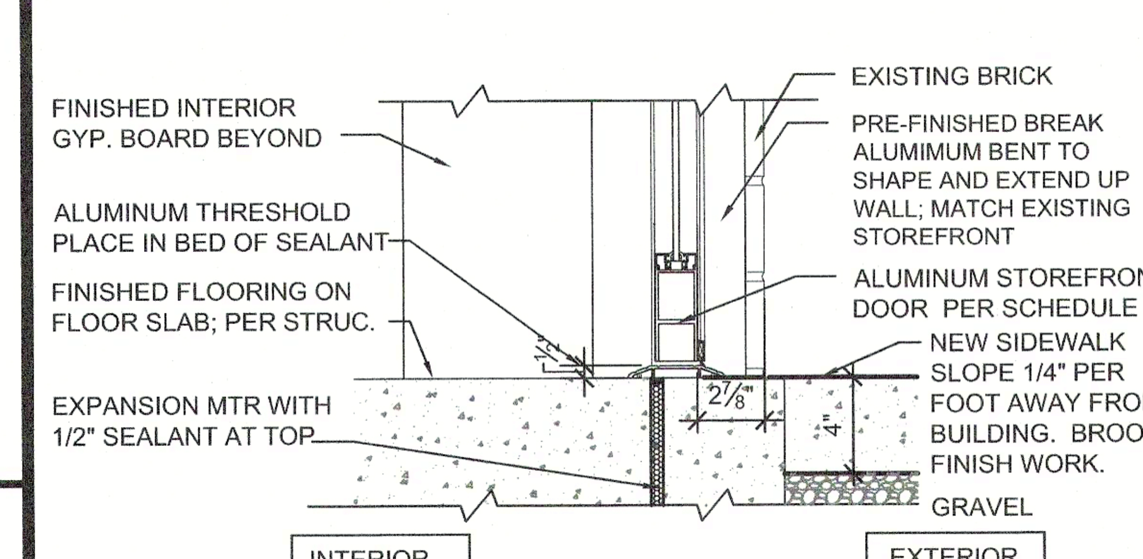
11 INTERIOR DOOR THRESHOLD
SCALE: 1 1/2"=1'-0"



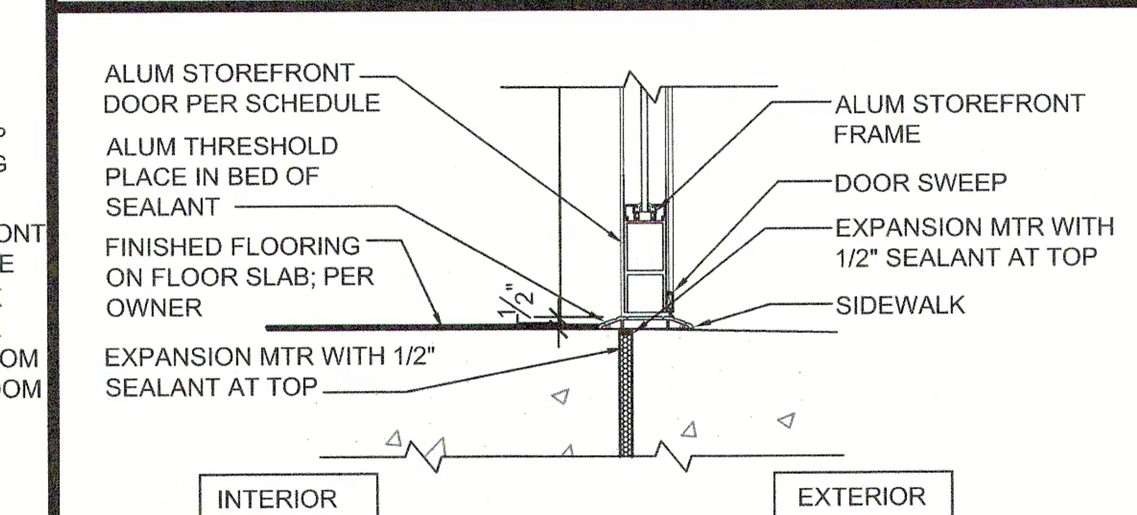
7 EXTERIOR EXIT DOOR JAMB
SCALE: 1 1/2"=1'-0"



6 STOREFRONT JAMB DETAIL
SCALE: 1 1/2"=1'-0"



2 EXTERIOR EXIT DOOR THRESHOLD
SCALE: 1 1/2"=1'-0"



1 STOREFRONT THRESHOLD
SCALE: 1 1/2"=1'-0"

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
FAX (913) 322-6277

REMODEL
LEE'S SUMMIT
KCUC UROLOGY & ONCOLOGY
451 NW MURRAY ROAD
LEE'S SUMMIT, MISSOURI 64081
JACKSON COUNTY

DATE PRINTED: Oct 27, 2021

DATE ISSUED: 10.13.2021

REVISIONS:
1 10/20/21 CITY COMMENTS

ARCHITECTURAL PROJECT NUMBER: 2021027

DOOR SCHEDULE AND DETAILS

SHEET NUMBER: A-601

Drawing Name: F:\2021\2021027 - Jayger - KCUC Lee's Summit\Production\04 - Construction Documents\2021027 A-601 Schedules.dwg Last Modified: Oct 21, 2021 - 3:47pm Plotted on: Oct 27, 2021 - 11:38am by mwinslow

FINISH SCHEDULE

						WALLS				CEILING			
ROOM NUMBER	ROOM NAME	FLOORING	FLOOR BASE	COUNTER TOPS	CABINETS	NORTH	WEST	SOUTH	EAST	MATERIAL	FINISH	HEIGHT	NOTES
100	VESTIBULE	T-1	--	--	--	--	--	--	--	EXISTING	PT-3	OPEN	--
101	LOBBY/WAITING	CPT-1	RB-2	--	--	WC-2	WC-2	WC-2	--	EXISTING	PT-3	OPEN	--
102	RECEPTION	CPT-1	RB-2	QTZ-1*	PLAM-1	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	*SEE ELEV.
103	SCHEDULING	CPT-1	RB-2	--	PLAM-1	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
104	EXAM 1	LVT-1	RB-1	PLAM-2	PLAM-1	PT-1A	WC-1	WC-1	WC-1	ACT-1	WHITE	9'-0"	--
105	LAB 3	LVT-1	RB-1	SSF-1	PLAM-1	PT-1A	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
106	DOCTORS	CPT-1	RB-1	PLAM-2	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
107	DOCTOR'S ENTRY	T-1	B-2	--	--	PT-1	PT-1	PT-1	PT-1/WT-1*	ACT-1	WHITE	9'-0"	*SEE ELEV.
108	WC	T-1	B-2	--	--	PT-1A	WT-1	PT-1A	PT-1A	ACT-1	WHITE	9'-0"	--
109	EXAM 2	LVT-1	RB-1	PLAM-2	PLAM-1	PT-1A	WC-1	WC-1	WC-1	ACT-1	WHITE	9'-0"	--
110	EXAM 3	LVT-1	RB-1	PLAM-2	PLAM-1	WC-1	WC-1	PT-1A	WC-1	ACT-1	WHITE	9'-0"	--
111	LAB 2	LVT-1	RB-1	SSF-1	PLAM-1	PT-1	PT-1	PT-1A	PT-1	ACT-1	WHITE	9'-0"	--
112	EXAM 4	LVT-1	RB-1	PLAM-2	PLAM-1	PT-1A	WC-1	WC-1	WC-1	ACT-1	WHITE	9'-0"	--
113	LAB 1	LVT-1	RB-1	SSF-1	PLAM-1	PT-1A	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
C1	CORRIDOR 1	CPT-1	RB-1	--	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
114	EXAM 5	LVT-1	RB-1	PLAM-2	PLAM-1	WC-1	WC-1	PT-1A	WC-1	ACT-1	WHITE	9'-0"	--
115	WC	T-1	B-2	--	--	WT-1	PT-1A	PT-1A	PT-1A	ACT-1	WHITE	9'-0"	--
116	WC 1	T-1	B-2	--	--	PT-1A	WT-1	PT-1A	PT-1A	ACT-1	WHITE	9'-0"	--
117	EXAM 6	LVT-1	RB-1	PLAM-2	PLAM-1	PT-1A	WC-1	WC-1	WC-1	ACT-1	WHITE	9'-0"	--
118	STAFF (7)	CPT-1	B-2	PLAM-2	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
119	STAFF LOUNGE	LVT-1	RB-1	PLAM-2	PLAM-1	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
120	MECHANICAL	CONC	--	--	--	PT-1	PT-1	PT-1	PT-1	OPEN	--	OPEN	--
121	IT	CONC	--	--	--	PT-1	PT-1	PT-1	PT-1	OPEN	--	OPEN	--
122	STAFF (4)	CPT-1	RB-1	PLAM-2	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
123	STORAGE	LVT-1	RB-1	--	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
124	SOILED	LVT-1	RB-1	--	--	PT-1	PT-1A	WC-1	WC-1	WC-1	WHITE	9'-0"	--
125	STAFF (4)	CPT-1	RB-1	PLAM-2	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
C3	CORRIDOR 3	CPT-1	RB-1	--	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
126	EXAM 7	LVT-1	RB-1	PLAM-2	PLAM-1	WC-1	WC-1	PT-1A	WC-1	ACT-1	WHITE	9'-0"	--
127	EXAM 8	LVT-1	RB-1	PLAM-2	PLAM-1	PT-1A	WC-1	WC-1	WC-1	ACT-1	WHITE	9'-0"	--
128	WC	T-1	B-2	--	--	PT-1A	PT-1A	PT-1A	WT-1	ACT-1	WHITE	9'-0"	--
129	EXAM 9	LVT-1	RB-1	PLAM-2	PLAM-1	WC-1	WC-1	PT-1A	WC-1	ACT-1	WHITE	9'-0"	--
130	NURSES	CPT-1	RB-1	PLAM-2	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
131	PHLEBOTOMY	LVT-1	RB-1	PLAM-2	PLAM-1	WC-1	PT-1A	PT-1A	WC-1	ACT-1	WHITE	9'-0"	--
C2	CORRIDOR 2	CPT-1	RB-1	--	--	PT-1	PT-1	PT-1	PT-1	ACT-1	WHITE	9'-0"	--
													--

GENERAL ROOM FINISH NOTES

A	REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR WALL FINISHES. ALL FINISH ABBREVIATIONS SHOWN ON THIS SHEET IN FINISH KEY.
B	ALL SOLID WOOD, WOOD VENEER AND PLASTIC LAMINATE GRAIN SHALL BE VERTICALLY ORIENTATED UNLESS OTHERWISE NOTED.
C	DOOR FRAMES, HOLLOW METAL WINDOW FRAMES TO BE PT-2, STOREFRONT FRAMES TO MATCH EXISTING.
D	ALL FACES AND UNDERSIDES OF SOFFITS AND HEADERS TO BE PT-1 UNLESS OTHERWISE NOTES.
E	WALL EXPANSION JOINTS TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.
F	ALL ELECTRICAL PANELS AND METAL GRILLS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE UNLESS OTHERWISE NOTED.
G	ALL GROUT TO BE GR-1, MEIPEI 14 BISCUIT UNLESS OTHERWISE NOTED.
H	WHERE A WALL IS INDICATED TO HAVE PARTIAL OR FULL HEIGHT WALL PROTECTION, THE ENTIRE WALL IS TO BE PAINTED PRIOR TO WALL PROTECTION INSTALLATION.
I	EXTEND ALL FINISHES BENEATH, BEHIND, AROUND ALL CASEWORK, EQUIPMENT, SIGNAGE, ETC.
J	ALL EXAM, LAB AND BREAKROOM SINKS TO BE STAINLESS STEEL.
K	ALL FLOOR MATERIALS TRANSITIONS AT DOORS TO BE MADE AT CENTER OF DOOR IN CLOSED POSITION.
L	SEE FINISH KEY FOR ALL TRANSITION MATERIALS AND LOCATIONS.
M	ROOM WC 116 IS TO HAVE A SIGN ON THE DOOR WITH THIS INFORMATION: DOOR AND ROOM NOT ADA COMPLIANT. ALL OTHER RESTROOMS 108, 115 AND 128 ARE ADA COMPLIANT. WC 115 IS DIRECTLY TO THE LEFT.

1

FINISHING KEY

LABEL	TYPE	MANUFACTURER	STYLE	COLOR	SIZE/NOTES
CEILING					
HC1	HARD CEILING	GYP BOARD	FLAT	TBD	
OPEN	OPEN TO STRUCTURE ABOVE	MANUFACTURER	STYLE	TBD	
ACT-1	2 X 2 CEILING GRID	USG MARS ACOUSTICAL PANEL	CLIMAPLUS PERFORMANCE	WHITE	USG DONN BRAND DX/DXL 15/16" ACOUSTICAL SUSPENSION SYSTEM (WHITE)
WALLS	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
PT-1	PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 6141 SOFTER TAN	FIELD PAINT
PT-1A	PAINT	SHERWIN WILLIAMS	EPOXY	SW 6141 SOFTER TAN	FIELD PAINT
PT-2	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS	SW7048 URBAN BRONZE	HOLLOW METAL DOOR AND WINDOW FRAMES
PT-3	PAINT	SHERWIN WILLIAMS	FLAT FINISH	SW 7007 CEILING BRIGHT WHITE	CEILING PAINT
PT-4	PAINT	SHERWIN WILLIAMS	EGGSHELL	SW 6236 GRAYS HARBOR	ACCENT PAINT
PT-4A	PAINT	SHERWIN WILLIAMS	EPOXY	SW 6236 GRAYS HARBOR	ACCENT PAINT
PT-5	PAINT	SHERWIN WILLIAMS	EPOXY	SW7008 ALABASTER	LAB PAINT
WT-1	WALL TILE	DALTILE	COVE CREEK	WHITE, MATTE FINISH - 12 x 24	1/3 OFFSET INSTALLATION
FRP-1	WALL BOARD	PANOLAM SURFACE SYSTEMS	FIBERGLASS REINFORCED PLASTIC	WHITE	
WC-1	VINYL WALL COVERING	MDC	ESQUIRE COLLECTION	PAKHRA ASH MPK9418	EXAMS
WC-2	VINYL WALL COVERING	MDC	ESQUIRE COLLECTION	PAKHRA SLATE MPK9414	WAITING ROOM
WP-1	WALL PROTECTION	INPRO	RIGID SHEET	GALA 0380	EXAMS, USE MATCHING TRIMS
WP-2	WALL PROTECTION	INPRO	ELEMENTS PATTERNS	5E018 FIBER TERRA	TBD, USE MATCHING TRIMS
WALL TRIM	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
WT-1	METAL WALL TRIM (CORNER EDGE)	SCHLUTER	ECK-K	BRUSHED STAINLESS STEEL	TO BE USED WITH WC-1 AND WC-2
WT-2	METAL WALL TRIM (TOP EDGE)	SCHLUTER	JOLLY	BRUSHED STAINLESS STEEL	TO BE USED AT TOP OF MT-1
COUNTERS & CABINETS	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
PLAM-1	PLASTIC LAMINATE	NEVAMAR	W8294	CROWN CHERRY	USE MATCHING EDGE BANDING
PLAM-2	PLASTIC LAMINATE	NEVAMAR	EM6001	AGED ELEM,ENTS	USE MATCHING EDGE BANDING
SSF-1	SOLID SURFACE	LG HAUSYS	HI-MACS	GT914 MERINO	1/2" THICK, EASED EDGE
QTZ-1	QUARTZ	CAMBRIA	CLASSIC COLLECTION	DOVEDALE	3 CM THICK, SEACLIFF PROFILE, GLOSS FINISH
WALL BASE	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
B-1	METAL COVE BASE	SCHULTER	DILEX-AHK	SATIN NICKEL ANODIZED ALUMINUM	TO BE USED WITH WT-1 AND T-1 ON TOILET WET WALL
B-2	PORCELAIN TILE BASE	DALTILE	COVE CREEK	CC10 GREY	CUT DOWN TO 6 X 24, TO BE USED ON NON-WET WALLS IN TOILETS, APPLY SCHLUTER TRIM TO FINISH
RB-1	RESILIENT BASE	JOHNSONITE	4" COVE - BASEWORKS THERMOSET (TX)	63 BURNT UMBER	
RB-2	RESILIENT BASE	JOHNSONITE	4-1/4" MILLWORK REVEAL	63 BURN UMBER	WAITING ROOM/MITER CORNERS
FLOORING	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
CPT-1	CARPET	PATCRAFT	I0290 - THOUGHT MODULAR	00550 - UNDERSTANDING	MONOLITHIC INSTALLATION
LVT-1	LUXURY VINYL PLANK	ARMSTRONG	CLASSICS BUCKHEAD OAK	SAVANNAH TP101	ASHLAR INSTALLATION
T-1	PORCELAIN FLOOR TILE	DALTILE	COVE CREEK	CC10 GRAY	1/3 OFFSET INSTALLATION
T-2	PORCELAIN FLOOR TILE	VIRGINIA TILE	ATLAS CONCORDE - SIGN	WHITE, MATTE FINISH, 12" X 24"	1/3 OFFSET INSTALLATION
T-3	PORCELAIN FLOOR TILE	ERGON	ARCHITECT RESIN 639G5R	LONDON SMOKE, MATTE FINISH 12" X 24	1/3 OFFSET INSTALLATION
CONC	SEALED CONCRETE	--	--	--	--
GR-1	GROUT	MEIPEI	ULTRA COLOR PLUS MAX	14 BISCUIT	TO BE USED WITH ALL T-1, WT-1 AND TRIMS
FLOOR TRANSITIONS	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
TR-1	RUBBER TRANSITION STRIP	JOHNSONITE	SLTC-XX-J	63 BURN UMBER	LVT TO CARPET
TR-2	METAL TRANSITION STRIP	SCHLUTER	SCHIENE	BRUSHED STAINLESS STEEL	CARPET TO FLOOR TILE
TR-3	METAL TRANSITION STRIP	SCHLUTER	RENO-U	BRUSHED STAINLESS STEEL	FLOOR TILE TO LVT
FABRICS	TYPE	MANUFACTURER	FINISH	COLOR	NOTES
F-1	PRIVACY CURTAIN	TBD	TBD	TBD	
F-2	TACK BOARD FABRIC	MAHARAM	MANNER 466177	005 HUSH	

STATE OF MISSOURI
THOMAS RAY NOLTE
NO. A-4415
REGISTERED ARCHITECT
Oct 27, 2021

NOLTE & ASSOCIATES, P.A.
ARCHITECTS / PLANNERS
9400 REEDS ROAD, SUITE 200
OVERLAND PARK, KANSAS 66207
(913) 322-2444
FAX (913) 322-6277

REMODEL
LEE'S SUMMIT
KCUC UROLOGY & ONCOLOGY
451 NW MURRAY ROAD
LEE'S SUMMIT, MISSOURI 64081
JACKSON COUNTY

DATE PRINTED:
Oct 27, 2021

DATE ISSUED:
10.13.2021

REVISIONS:
1 10/20/21 CITY COMMENTS

ARCHITECTURAL PROJECT NUMBER
2021027

FINISH SCHEDULES AND DETAILS

SHEET NUMBER
A-602

Drawing Name: F:\2021\2021027 - Jayger - KCUC Lee's Summit\Production\04 - Construction Documents\2021027 A-602 Finishes.dwg Last Modified: Oct 21, 2021 - 3:48pm Plotted on: Oct 27, 2021 - 11:39am by mwinslow

MECHANICAL/PLUMBING SPECIFICATION

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL, PLUMBING AND FUEL GAS CODES, NFPA 90A AND 101 AND ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.

2. PLANS AND SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE CODE WHERE CODE REQUIREMENTS ARE EXCEEDED.

3. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE THE GENERAL DESIGN CONCEPT. THEY DO NOT NECESSARILY INDICATE EACH AND EVERY FITTING OR FEATURE. THE CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY FOR AN INSTALLATION THAT IS COMPLETE IN EVERY RESPECT.

4. DRAWINGS SHOWING EXISTING CONDITIONS ARE BASED ON INFORMATION FURNISHED BY OTHERS, EXISTING BUILDING CONSTRUCTION & 'RECORD' DRAWINGS AND LIMITED SITE OBSERVATIONS. THEY ARE INTENDED TO INDICATE DESIGN CONCEPTS ONLY AND ARE NOT GUARANTEED TO BE 100% ACCURATE OR ALL INCLUSIVE NOR DO THEY NECESSARILY SHOW EACH AND EVERY FITTING AND DEVICE NOR ARE THEY GUARANTEED TO SHOW EACH AND EVERY ITEM REQUIRING REMOVAL AND/OR RELOCATION. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND HOW THEY MAY EFFECT THE PROSECUTION OF THE WORK OF THIS CONTRACT.

5. CONTRACTOR SHALL FULLY COOPERATE WITH THE GENERAL CONTRACTOR TO MAINTAIN THE SCHEDULE AND PHASING OF THE WORK. REFER TO ARCHITECTURAL AND DIVISION 1 SPECIFICATIONS.

6. 'FURNISHED' SHALL MEAN CONTRACTOR SHALL SUPPLY THE INDICATED ITEM. 'INSTALLED' SHALL MEAN CONTRACTOR SHALL PROVIDE LABOR TO PLACE THE ITEM IN SERVICE. 'PROVIDED' SHALL MEAN CONTRACTOR SHALL FURNISH AND INSTALL THE ITEM.

7. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS. DO NOT SCALE MECHANICAL DRAWINGS. CONFORM TO ARCHITECTURAL AND STRUCTURAL REQUIREMENTS FOR EXACT PLACEMENT AND LOCATION OF EQUIPMENT AND FOR REQUIRED STRUCTURAL SUPPORT, BRACING AND REINFORCEMENT.

8. REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS CONCERNING EQUIPMENT PAD CONSTRUCTION, STRUCTURAL SUPPORTS AND MOUNTINGS FOR MECHANICAL EQUIPMENT AND SUPPLEMENTAL STEEL.

9. VERIFY ALL ACTUAL JOB CONDITIONS AND DETERMINE WHICH MAY AFFECT PROSECUTION OF THE WORK. COORDINATE WITH BUILDING STRUCTURE, EXISTING CONDITIONS AND ALL OTHER TRADES AS REQUIRED TO PROPERLY, NEATLY AND ORDERLY INSTALL ALL SYSTEMS WITHIN THE CONFINES OF THE SPACE AVAILABLE AND WITHOUT INTERFERENCES. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE PURCHASE OF EQUIPMENT AND COMMENCEMENT OF THE WORK. FAILURE TO DETERMINE ACTUAL CONDITIONS WILL NOT BE CONSIDERED GROUNDS FOR GRANTING ADDITIONAL COMPENSATION OR TIME.

10. VERIFY EXACT LOCATION, SIZE, CONDITION AND SERVICE OF EXISTING DUCTWORK, PIPING AND EQUIPMENT. DETERMINE SUITABILITY OF USE, CAPACITY AND CONNECTION PRIOR TO MAKING NEW CONNECTIONS. NOTIFY A/E OF ANY OBSERVED OR SUSPECTED DEFICIENCY.

11. VERIFY ALL EQUIPMENT TO BE INSTALLED (WHETHER FURNISHED BY THIS CONTRACTOR OR BY OTHERS). CONFIRM WITH VENDOR CONNECTION SIZES, TYPES AND LOCATION AND PROVIDE MATCHING DUCT AND/OR PIPING CONNECTIONS, SIZES AND TYPES AFTER EQUIPMENT PROCUREMENT. PROVIDE ALL FITTINGS AND ACCESSORIES FOR A COMPLETE CODE COMPLIANT WORKING INSTALLATION.

12. COORDINATE EXACT LOCATIONS AND ORIENTATION OF EQUIPMENT WITH ARCHITECTURAL AND STRUCTURAL REQUIREMENTS. EQUIPMENT SHALL BE SCREENED IN ACCORDANCE WTIH LOCAL JURISDICTION REQUIREMENTS AND AS SHOWN ON ARCHITECTURAL DRAWINGS.

13. EQUIPMENT AND MATERIALS IDENTIFIED ON THESE DRAWINGS SHALL BE FURNISHED AS SPECIFIED EXCEPT THAT EQUIVALENT PRODUCTS BY ALTERNATE MANUFACTURERS THAT MEET ALL SPECIFICATION REQUIREMENTS MAY BE CONSIDERED. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE A/E FOR ANY SUBSTITUTION. APPROPRIATE DOCUMENTATION PROVING THAT THE PRODUCT IS EQUAL TO THAT SPECIFIED MAY BE REQUESTED BY THE A/E. THE BURDEN OF PROOF THAT THE PRODUCT IS EQUIVALENT SHALL BE WHOLLY THE RESPONSIBILITY OF THE SUBMITTING CONTRACTOR. ALL EQUIPMENT SHALL BE PROVIDED WITH A 1-YEAR WARRANTY UNLESS OTHERWISE NOTED.

14. DUCTWORK FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS.

15. ALL DUCTWORK SHALL BE SHEET METAL, CONSTRUCTED TO SMACNA STANDARDS, MINIMUM OF 2" WG PRESSURE CLASS AND SEAL CLASS 'C' MINIMUM. ALL LONGITUDINAL AND TRANSVERSE JOINTS TO BE SEALED, EXCEPT AS OTHERWISE NOTED. ROUND AND FLEX DUCT CONNECTIONS SHALL BE MADE WITH SPIN COLLARS WITH EXTRACTORS AND VOLUME DAMPERS.

16. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL INCLUDE AN ALLOWANCE FOR 1" DUCT LINER IN LOW VELOCITY DUCTS WHERE APPLICABLE.

17. DUCT RUNOUT SIZES NOT SHOWN SHALL BE THE SAME SIZE AS THE DIFFUSER NECK CONNECTION.

18. MOUNT DIFFUSERS IN LOCATIONS AS SHOWN, COORDINATE WITH CEILING GRID, LIGHTING, SPRINKLERS AND OTHER CEILING MOUNTED DEVICES. LIGHTING AND SPRINKLER HEAD PLACEMENT SHALL HAVE PRECEDENCE. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN WHERE APPLICABLE.

19. CONTRACTOR SHALL INSURE THAT A PROPER RETURN AIR PATH EXISTS FROM EACH SPACE. WHERE NOT OTHERWISE INDICATED AND IN RETURN AIR PLENUM APPLICATIONS, PROVIDE FLANGED RETURN AIR OPENINGS ABOVE CEILING LEVEL, THRU WALLS TO STRUCTURE, SO THAT RETURN AIR VELOCITY AND PRESSURE DROP DOES NOT EXCEED 1000 FPM AND 0.065"WG/100' RESPECTIVELY.

20. PROVIDE FLEXIBLE FABRIC CONNECTORS AT ALL DUCTWORK CONNECTIONS TO ROTATING EQUIPMENT. CONNECTORS EXPOSED TO SUNLIGHT SHALL BE MADE OF UV RESISTANT MATERIAL.

21. ROUND OR OVAL EXPOSED DUCT SHALL BE SPIRAL DUCT, PAINT GRADE WHERE SCHEDULED BY ARCHITECT TO BE PAINTED.

22. FLEX DUCT SHALL BE UL CLASS 1 AIR DUCT SUITABLE FOR +/- 2" WG PRESSURE WITH 1-1/2" FIBERGLASS INSULATION WITH ALL SERVICE JACKET, 5' MAXIMUM LENGTH, ENDS BANDED IN PLACE AND TAPED WITH FOIL TAPE. ADEQUATELY SUPPORT FLEX DUCT TO PREVENT KINKS OR OBSTRUCTIONS. PROVIDE SHEET METAL ELBOW OR THERMAFLEX 'FLEXFLOW' ELBOW SUPPORT AT DIFFUSER CONNECTION.

23. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS AND PER LISTINGS. PROVIDE MANUFACTURER'S RECOMMENDED OPERATING AND SERVICE CLEARANCES FOR ALL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS AND DIFFERING CLEARANCE REQUIREMENTS OF ACTUAL EQUIPMENT FURNISHED.

24. SUPPORT ALL SUSPENDED EQUIPMENT, DUCTWORK AND PIPING INDEPENDANTLY, DIRECTLY FROM STRUCTURAL MEMBERS (NOT METAL DECK) IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS AND INDUSTRY STANDARDS TO PREVENT SAGS AND DIPS. PROVIDE STRUTS AND AND PIPE CLAMPS ON 8' CENTERS AND SUPPORT ALL PIPING RISERS AT BASE OF RISER. THE USE OG RISER CLAMPS TO SUPPORT VERTICAL PIPING IS PROHIBITED.

25. ALL WATER BEARING PIPING SHALL BE SLOPED FOR DRAINAGE WITH BALL DRAIN VALVES AT LOW POINTS.

26. PROVIDE ACCESS PANELS TO PROVIDE ACCESS TO INACCESSIBLE VALVES, DAMPERS ANY ANY OTHER EQUIPMENT/DEVICES THAT REQUIRE ADJUSTMENT OR REPLACEMENT.

27. DRAINAGE PIPING SHALL BE SLOPED IN ACCORDANCE WITH CODE, BUT NOT LESS THAN 1/8" PER FOOT FOR 3" AND LARGER PIPING AND 1/4" PER FOOT FOR 2-1/2" AND SMALLER PIPING. ALL INVERT ELEVATIONS SHALL BE COORDINATED WITH THE STRUCTURAL FOOTINGS.

28. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.

29. WHERE CHILLED CONDENSATE FROM INDOOR UNITS CANNOT BE POSITIVELY DRAINED, PROVIDE CONDENSATE PUMP ACCESSORY WITH THE EQUIPMENT.

30. COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS. COORDINATE FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES.COORDINATE EXACT SIZE AND LOCATION OF ALL SLEEVES WITH STRUCTURAL ENGINEER. ALL PENETRATIONS SHALL BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.

31. CAULK AND SEAL ALL DUCT AND PIPING PENETRATIONS OF EXTERIOR OR DEMISING WALLS.

32. THE CONTRACTOR SHALL TAKE CARE TO MAINTAIN THE INTEGRITY OF ALL FIRE RATED AND SOUND RATED ASSEMBLIES.

33. ABOVE AND BELOW GROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS, EXCEPT USE STANDARD WEIGHT NO-HUB CAST IRON IN AIR PLENUMS. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL WITH SCREWED JOINTS. PAINT ALL EXTERIOR PIPING WITH UV RESISTANT PAINT.

34. ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' HARD COPPER WITH LEAD FREE SOLDER JOINTS.

35. NATURAL GAS PIPING (ABOVE GROUND) SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED JOINTS. CONNECT USING JOINT COMPOUND SUITABLE FOR NATURAL GAS PIPING. ALL EXPOSED BLACK STEEL NATURAL GAS PIPING SHALL BE PROTECTED WITH A RUST INHIBITING COATING IN ACCORDANCE WITH THE PLUMBING CODE.

36. SERVICE VALVES FOR WATER PIPING SYSTEMS UP THRU 2" SHALL BE 1/4 TURN, 150 LB. BALL VALVE WITH BRONZE CHROME PLATED BALL AND TFE SEATS, NIBCO S-585-70.

37. DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS WITH ALL SERVICE JACKET OR COMPARABLE UNICELLULAR INSULATION WITH SMOKE/FLAME RATING OF 25/50. WHEN INSTALLED WITHIN A CHASE ALONG AN EXTERIOR WALL, THE INSULATION SHALL BE 1-1/2" FIBERGLASS AND THE PIPING SHALL BE LOCATED ON THE INTERIOR SIDE OF THE BUILDING WALL INSULATION.

38. GAS SERVICE VALVES TO BE LUBRICATED PLUG COCKS, ROCKWELL 142 OR 143. CONNECTIONS TO EQUIPMENT SHALL HAVE SERVICE VALVES, 6" MINIMUM DIRT LEG AND UNION OR AT CONTRACTOR OPTION, UL LISTED APPLIANCE FLEXIBLE CONNECTORS MAY BE USED.

39. PROVIDE PLUMBING FIXTURES AS SCHEDULED OR SELECTED BY OWNER WITH ALL REQUIRED TRIM AND ACCESSORIES FOR A COMPLETE WORKING AND CODE COMPLIANT INSTALLATION. PROVIDE STOP VALVES AND WATER HAMMER ARRESTORS, SIZED AS INDICATED OR PER MANUFACTURER FOR EACH FIXTURE OR EACH GROUP OF FIXTURES. REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF THE FIXTURES.

40. MEET ALL REQUIREMENTS OF THE ADA FOR ALL FIXTURES REQUIRED TO BE HANDICAP ACCESSIBLE. INSULATE PIPING BENEATH HANDICAP FIXTURES PER ADA, HANDI-LAV-GARD SYSTEM OR EQUIVALENT.

41. ALL POWER WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DISCONNECT SWITCHES AND MOTOR STARTERS SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR, EXCEPT WHERE SPECIFICALLY INDICATED TO BE FURNISHED BY THE MECHANICAL CONTRACTOR. COORDINATE REQUIRED POWER FOR EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.

42. ALL CONTROL DEVICES AND INTERLOCK WIRING SHALL THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. CONTRACTOR SHALL FURNISH LOCKING GUARDS FOR DEVICES WHERE INDICATED AND WHERE REQUIRED TO PROTECT THEM FROM PHYSICAL DAMAGE. PROVIDE INSULATED SUBBASES WHERE SENSORS ARE INSTALLED ON 'COLD' OR EXTERIOR WALLS. MOUNT CONTROL DEVICES SUCH AS THERMOSTATS AND SENSORS AT 46" AFF.

43. CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPMENT HANDLING AND TRANSPORT FOR ITEMS HE FURNISHES AND/OR INSTALLS. HE SHALL BE RESPONSIBLE FOR PROVIDING FOR ACCESS INTO SPACES WHERE WORK IS TO OCCUR.

44. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FLASHING AND REPAIR OF ROOFS, BUILDING STRUCTURE, COMPONENTS AND FINISHES ASSOCIATED WITH HIS WORK.

45. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. HE SHALL RESTORE REPAIRED OR REMODELED AREAS TO EXISTING CONDITIONS AND NEW CONSTRUCTION AREAS TO NEW CONDITION. ALL REPAIRS SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARCHITECTURAL AND STRUCTURAL PROVISIONS. TO THE GREATEST EXTENT POSIBLE, EXISTING BUILDING MATERIALS SHALL NOT BE DISTURBED.

46. TEST AND CLEAN PIPING SYSTEMS PER INDUSTRY STANDARDS. PRESSURE TEST OF PRESSURE PIPING SHALL BE AT 1-1/2 TIMES THE ANTICIPATED OPERATING PRESSURE, BUT NOT LESS THAN 50 PSIG FOR 2 HOURS. NON-PRESSURIZED SYSTEMS SHALL BE TESTED WITH 10' WATER COLUMN ABOVE NORMAL OPERATING CONDITIONS OR 5 PSI FOR 2 HOURS. THERE SHALL BE NO MEASURABLE DROP DURING THE TEST PERIOD.

47. TEST AND BALANCE ALL SYSTEMS PER NEBB STANDARDS. SUBMIT CERTIFIED REPORTS TO ARCHITECT FOR APPROVAL.

FIRE SPRINKLER SPECIFICATION NOTES

1. ENTIRE BUILDING SHALL BE FIRE SPRINKELED IN ACCORDANCE WITH NFPA. CONTRACTOR SHALL PROVIDE SYSTEM HYDRAULIC CALCULATIONS AND COMPLETE SYSTEM LAYOUT IN ACCORDANCE WITH NFPA AND REQUIREMENTS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS. SPRINKLER HEADS SHALL BE CHROME FINISHED PENDANT, SEMI-RECESSED OR ROUGH BRASS UPRIGHT IN UNFINISHED AREAS.

2. ALL CONCEALED AREAS INCLUDING CANOPIES, OVERHANGS AND ATTICS SHALL HAVE FIRE SPRINKLER PROTECTION WITH A DRY PIPE OR ANTIFREEZE SYSTEM WHERE REQUIRED BY NFPA 13.

3. ALL FIRE PROTECTION SYSTEM VALVES, FITTINGS AND OTHER COMPONENTS SHALL BE UL AND FM LISTED FOR FIRE SERVICE.

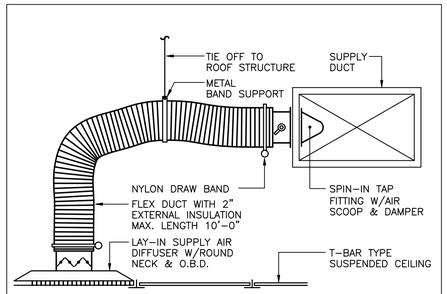
4. UNDERGROUND FIRE PROTECTION PIPING SHALL BE CLASS 50 CEMENT LINED DUCTILE IRON WITH MECHANICAL COMPRESSION JOINTS.

5. ABOVE GROUND FIRE PROTECTION PIPING SHALL BE SCHEDULE 40 BLACK STEEL, WELDED, ROLL OR CUT GROOVE OR SCREWED JOINTS. AT CONTRACTOR OPTION, SCHEDULE 10 ROLL GROOVE OR ALLIED XL PIPING MAY BE USED.

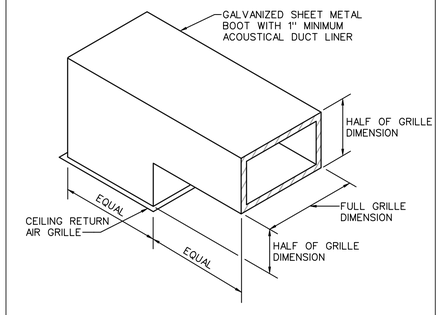
6. WHERE PERMITTED, SPRINKLER PIPING UP THRU 3" SIZE MAY BE SCHEDULE 40 OR SCHEDULE 80 CPVC PIPING WITH SOLVENT CEMENT OR SCREWED JOINTS (WET SYSTEMS ONLY).

HVAC SYSTEM SAFETY CONTROLS

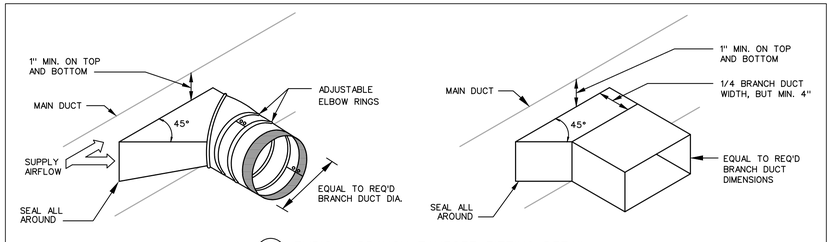
1. DUCT SMOKE DETECTORS SHALL BE FURNISHED BY THE HVAC CONTRACTOR. SEE ELECTRICAL FOR INTEGRATION OF ALL SMOKE DETECTION AND SHUTDOWN OF EQUIPMENT. ALL HVAC EQUIPMENT IN EXCESS OF 2000 CFM SHALL BE EQUIPPED WITH SMOKE DETECTORS IN THE RETURN AIR STREAM OF THE UNIT. WHERE MULTIPLE HVAC UNIT FANS SHARE A COMMON RETURN AIR PLENUM (IN EXCESS OF 2,000 CFM COMBINED), ALL HVAC UNITS (INCLUDING VAV BOX FANS OR OTHER FANS ASSOCIATED WITH THE PLENUM) SHALL BE PROVIDED WITH A SMOKE DETECTOR. WHERE DUCT MOUNTED DETECTORS ARE SHOWN OR REQUIRED, USE DUCT INSERTION TUBE TYPE DETECTORS. IF FIRE ALARM SYSTEM IS INSTALLED, COORDINATE TYPE OF SMOKE DETECTOR WITH THE FIRE ALARM CONTRACTOR. IF A FIRE ALARM SYSTEM IS NOT PROVIDED, COORDINATE INSTALLATION OF A STROBE/HORN WITH THE ELECTRICAL CONTRACTOR TO NOTIFY OCCUPANTS OF THE SENSING OF SMOKE AT A SMOKE DETECTOR.



1 / MP300 SUPPLY AIR DIFFUSER DETAIL
NO SCALE



? / M3.1 RETURN GRILLE BOOT DETAIL
NO SCALE



3 / MP300 TYPICAL BRANCH TAKEOFF FITTING DETAIL
NO SCALE

PLUMBING FIXTURE SCHEDULE

A. INSTALL PLUMBING FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S DRAWINGS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WATER-CONSERVING FIXTURES AND APPURTENANCES IF/AS REQUIRED BY LOCAL AUTHORITIES. CONFIRM ALL LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS. CAULK FIXTURES TO WALLS/FLOORS. SET COUNTER MOUNTED SINKS AND LAVATORIES IN A BED OF CAULK. THE SPECIFIED PLUMBING FIXTURES, OR APPROVED EQUALS, SHALL BE USED UNLESS OTHERWISE NOTED OR INDICATED.

B. WATER CLOSET (WC-1), TOTO #CST744S, VITREOUS CHINA, FLOOR-MOUNTED, ELONGATED BOWL, SIPHON JET ACTION, CLOSE-COUPLED TANK TYPE WATER CLOSET, 1.6-GPF, 14-5/8" HIGH, FULLU GLAZED TRAPWAY AND MANUFACTURER'S BOLT CAPS, CHROME-PLATED BRASS TRIP LEVER AND 3/8" FLEXIBLE RISER WITH LOOSE KEY QUARTER TURN ANGLE STOP VALVE. PROVIDE TOTO #SC534 WHITE ELONGATED OPEN FRONT SEAT LESS COVER.

C. WATER CLOSET (WC-1H), TOTO #CSC744SL.01, FLOOR-MOUNTED, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS, 17" HIGH, 1.6-GALLON FLUSH, CLOSE-COUPLED TANK DESIGN WITH ELONGATED BOWL AND SIPHON JET ACTION. TANK SHALL BE VITREOUS CHINA WITH COVER, 3/8" FLEXIBLE RISER WITH LOOSE KEY ANGLE STOP VALVE, CHROME-PLATED BRASS TRIP LEVER AND MANUFACTURER'S BOLT CAPS. PROVIDE BENKE #527 WHITE ELONGATED OPEN FRONT SEAT LESS COVER, PERMA BUMPER.

D. LAVATORY (LAV-1), TOTO #LT307.4 (20"X18"), WALL-HUNG TYPE, CONSTRUCTED OF VITREOUS CHINA. LAVATORY SHALL HAVE 4-INCH FAUCET CENTERS AND DRILLED FOR CONCEALED ARM CARRIER. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PROVIDE DELTA #523-WFHDF HEAVY DUTY SINGLE LEVER FAUCET, 4-INCH CENTERS, VANDAL-RESISTANT 2.2 GPM AERATOR, PERFORATED GRID DRAIN (W/ 1-1/4" TAILPIECE) AND VANDAL-RESISTANT SINGLE LEVER HANDLE. PROVIDE WITH WADE CARRIER (TO MATCH WALL TYPE). SEE ARCHITECTURAL PLANS FOR MOUNTING DETAILS.

E. LAVATORY (LAV-1H), TOTO #LT307.4 (20"X18"), WALL-HUNG TYPE, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS. LAVATORY SHALL HAVE 4-INCH FAUCET CENTERS AND DRILLED FOR CONCEALED ARM CARRIER. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PROVIDE DELTA #523-WFOGHDF HEAVY DUTY SINGLE LEVER FAUCET, 4-INCH CENTERS, VANDAL-RESISTANT 2.2 GPM AERATOR, PERFORATED OFFSET GRID DRAIN (W/ 1-1/4" TAILPIECE) AND VANDAL-RESISTANT SINGLE LEVER HANDLE. PROVIDE WITH J.R. SMITH CARRIER (TO MATCH WALL TYPE). MOUNT AT ADA HEIGHT AND MAINTAIN CLEARANCES UNDER LAVATORY AS REQUIRED BY ADA REGULATIONS. INSULATE WASTE AND HOT WATER SUPPLY UNDER LAVATORY WITH UNDERSINK PROTECTIVE PIPE COVER, MOLDED, ANTIMICROBIAL, WITH FLUSH REUSABLE FASTENERS, TRUEBRO LAV GUARD.

F. SINK (SK-1), JUST #SL-2217-A-GR, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING, UNDERSIDE FULLY UNDERCOATED WITH SOUND DAMPENING MATERIAL, 3 HOLE PUNCH, NOMINAL DIMENSIONS OF 22"X17"X7-1/2" DEEP. PROVIDE WITH DELTA COMMERCIAL #2712934 HEAVY DUTY DECKMOUNT SINK FAUCET, 6" RIGID/SWIVEL GOOSENECK SPOUT, 8" CENTERS, 2.0 GPM VANDAL-RESISTANT AERATOR, BASKET STRAINER DRAIN, 1-1/2" TAILPIECE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/2-INCH INLET 2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG, ESCUTCHEON W/SET SCREW AND 4" VANDAL-RESISTANT WRIST BLADE HANDLES.

G. SINK (SK-2), JUST #DL-2133-A-GR, DOUBLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING, UNDERSIDE FULLY UNDERCOATED WITH SOUND DAMPENING MATERIAL, 4 HOLE PUNCH, NOMINAL DIMENSIONS OF 21"X33"X8" DEEP. PROVIDE WITH DELTA #400-WFELHHDF HEAVY DUTY SINGLE LEVER SINK FAUCET WITH SPRAYER, 8" LONG SWIVEL SPOUT, 8" CENTERS, 2.0 GPM VANDAL-RESISTANT AERATOR, JUST J-35 BASKET STRAINER DRAIN, 1-1/2" TAILPIECE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/2-INCH INLET - 2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. COORDINATE MOUNTING WITH CASEWORK. SEE ARCHITECTURAL PLANS.

H. ELECTRIC WATER COOLER (EWC-1), OASIS #PF8ACSL, BI-LEVEL BARRIER FREE WITH STAINLESS STEEL TOP WITH SATIN FINISH, SANDSTONE POWDER COAT FINISH ON GALVANIZED STEEL CABINET, FRONT AND SIDE TOUCHPAD OPERATORS, FLEXIBLE BUBBLER GUARD, EXTERNAL STREAM HEIGHT ADJUSTMENT, 8 GPH @ 90$^{50}/_{64}$ F AMBIENT. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, AND 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME-PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. MOUNT PER MANUFACTURER'S INSTRUCTIONS AND AS SHOWN ON THE ARCHITECTURAL PLANS.

I. MOP SINK (MS-1), STERN WILLIAMS #SB-900, CONSTRUCTED OF TERRAZZO, 32" SQUARE BY 12" HIGH (COORDINATE SIZE WITH ARCHITECTURAL PLANS), CHROME-PLATED CAST BRASS DRAIN (CAST INTEGRAL) WITH STAINLESS STEEL CAP. PROVIDE WITH DELTA #2BT2383 FAUCET WITH VACUUM BREAKER, LEVER HANDLES, 3/4" HOSE THREAD SPOUT WITH 48" LONG HOSE, WALL SUPPORT, INTEGRAL STOPS AND ROUGH CHROME-PLATED FINISH..

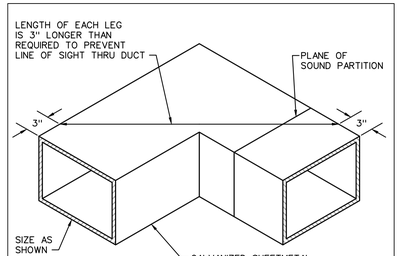
J. FLOOR DRAINS (FD-1), WADE #1100-G5-1-27. RATED FOR GENERAL LIGHT DUTY USE WITH CAST IRON BODY WITH FLANGE, SEEPAGE OPENINGS,INTEGRAL REVERSING CLAMPING COLLAR, TRAP PRIMER CONNECTION, 5" SQUARE NICKEL BRONZE ADJUSTIBLE STRAINER, SEDIMENT BUCKET AND HEEL PROOF GRATE, PROVIDE WITH SEPARATE DEEP SEAL "P" TRAP (SEE PLANS FOR SIZE).

K. EQUIPMENT DRAINS (ED-1) WADE #1100-94 ADJUSTABLE CAST IRON FLOOR DRAIN WITH FLANGE, SEEPAGE OPENINGS, INTEGRAL CLAMPING COLLAR, EXTENSION ADAPTER INSTALLED ABOVE THE FLOOR ELEVATION APPROXIMATELY 3/4" TO PREVENT WATER ON THE FLOOR FROM ENTERING DRAIN AND 1/2" PLUGGED TRAP PRIMER CONNECTION. PROVIDE WITH SEPARATE DEEP SEAL "P" TRAP (SEE PLANS FOR SIZE).

L. FINISHED FLOOR CLEANOUTS: (FFCO) WADE #6000-1-2-S CAST IRON FLOOR CLEANOUT WITH FLANGE, PLASTIC TAPERED PLUG AND SQUARE NICKEL BRONZE ADJUSTABLE TOP. PROVIDE WITH CARPET CLEANOUT MARKER WHEN CLEANOUT IS LOCATED BELOW CARPET. COORDINATE WITH ARCHITECTURAL PLANS.

M. FINISHED WALL CLEANOUTS: (FWCO) WADE #8560, W/ 8304-85-6 CAST IRON CLEANOUT TEE WITH BRASS PLUG AND 6" ROUND STAINLESS STEEL ACCESS COVER. J.R. SMITH FIGURE 4530. PROVIDE DUCO CAST IRON WALL CLEANOUT TEE WITH COUNTERSUNK PLUG. DELETE COVER PLATE IF CLEANOUT IS IN EXPOSED LOCATION.

N. ALL FIXTURES USED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ETC.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F).



NOTE:
WHERE NOTED, TRANSFER AIR DUCT MAY BE CONSTRUCTED OF DUCT BOARD AT CONTRACTORS OPTION.

4 / MP300 'L' RETURN AIR BOOT DETAIL
NO SCALE

STATE OF MISSOURI
GREGORY P. GLADFELTER
NUMBER E-200015421
REGISTERED PROFESSIONAL ENGINEER
10/08/2021

KC UC LS
451 NORTHWEST MURRAY RD
LEE'S SUMMIT, MO

AEC
ARCHITECTURAL ENGINEERING CONSORTIUM, INC
MECHANICAL • ELECTRICAL • PLUMBING
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WWW.AECONSORT.COM

KANSAS OFFICE
11032 S Green Rd.
Olathe, KS 66061
913-829-3803
f: 913-829-6352

MISSOURI OFFICE
752 Bagnell Dam Blvd.
Lake Ozark, MO 65049
573-365-2100
f: 573-365-2102

JOB NO.:	212423G
DATE:	10/08/2021
REVISIONS:	
DESIGNED BY:	GEG
DRAWN BY:	GEG
CHECKED BY:	GEG
SHEET NO.	

MP300

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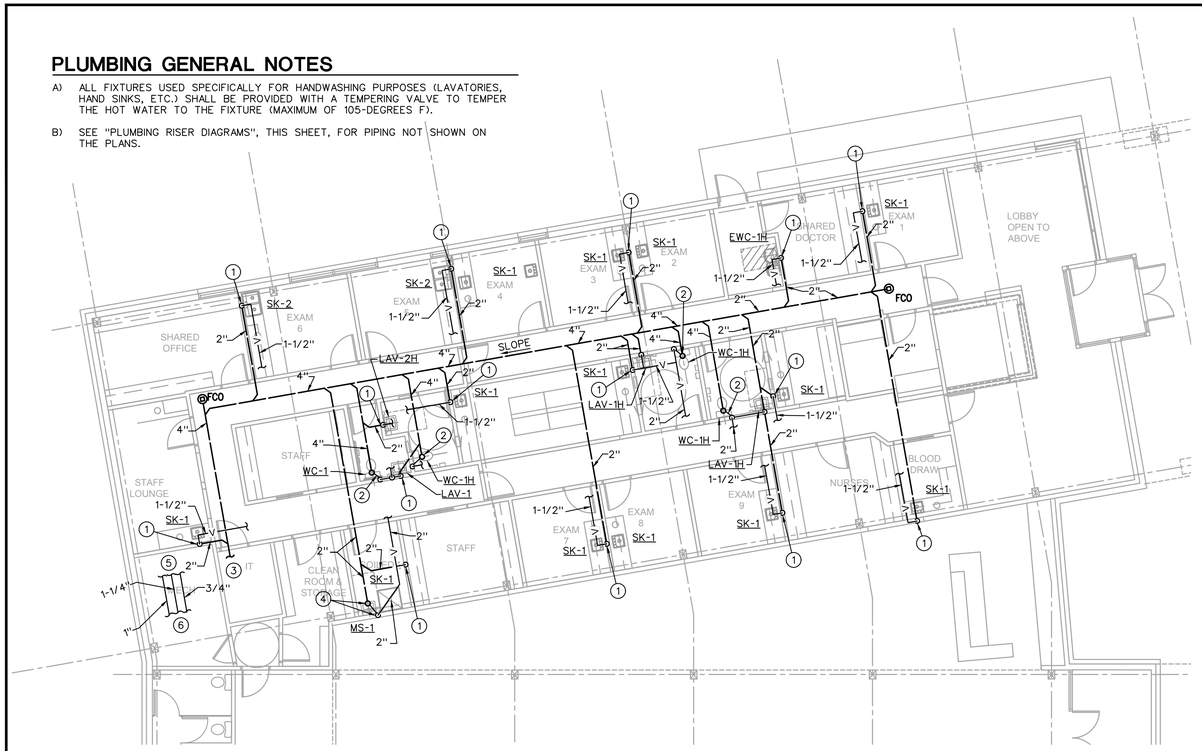
PLUMBING GENERAL NOTES

A) ALL FIXTURES USED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ETC.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F).

B) SEE "PLUMBING RISER DIAGRAMS", THIS SHEET, FOR PIPING NOT SHOWN ON THE PLANS.



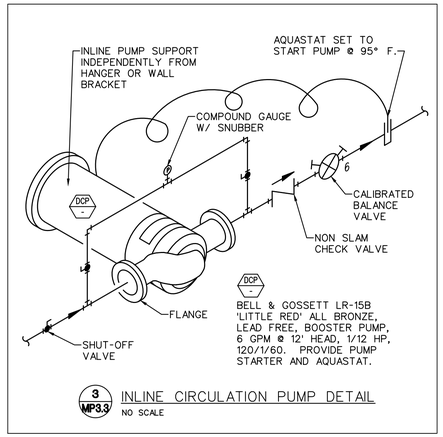
PLUMBING FLOOR PLAN

1/8" = 1'-0"

NORTH

PLUMBING PLAN NOTES (#):

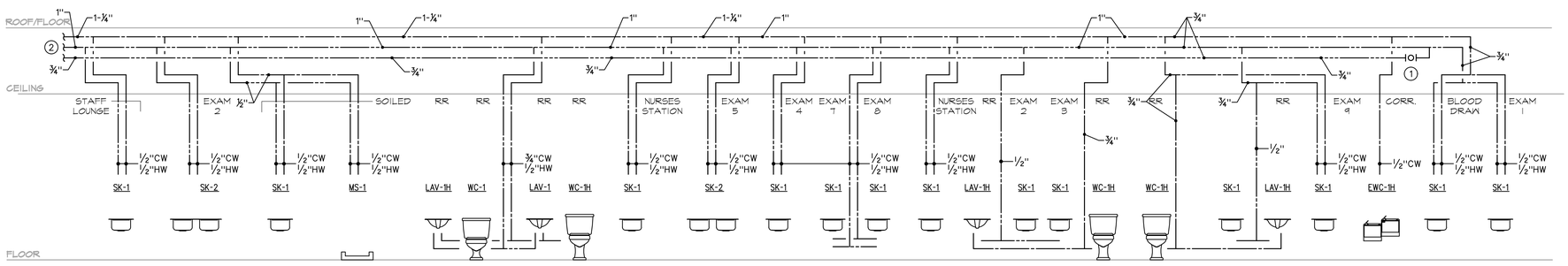
1. 2" W DOWN, 1-1/2" V UP TO ABOVE CEILING OR OVER TO V FROM WATER CLOSET.
2. 4" S DOWN, 2" V OVER TO WALL AND UP ABOVE CEILING.
3. CONNECT NEW 4" S TO EXISTING 4" S. FIELD VERIFY EXACT LOCATION AND DIRECTION OF FLOW.
4. 2" W DOWN, 2" V OVER TO WALL AND UP TO ABOVE CEILING.
5. SEE "DOMESTIC WATER SCHEMATIC", THIS SHEET, FOR CONTINUATION.
6. EXTEND CW, HW AND HWR FROM EXISTING CW SERVICE AND EXISTING ELECTRIC WATER HEATER IN MECHANICAL ROOM.



3 MP3.3 INLINE CIRCULATION PUMP DETAIL
NO SCALE

PLUMBING SYMBOLS

———	EXISTING TO REMAIN.
———	NEW PIPING WORK.
—— — ——	DOMESTIC COLD WATER (CW).
—— - ——	DOMESTIC HOT WATER (HW).
—— - - ——	HOT WATER RECIRCULATION (HWR).
——V——	PLUMBING VENT ABOVE FLOOR (V).
——SAN——	SANITARY WASTE ABOVE FLOOR (W).
—— — ——	SANITARY WASTE BELOW FLOOR (W).
——NG——	GAS (NATURAL) (NG).
	ELBOW DOWN.
	ELBOW UP.
	TEE DOWN.
	TEE UP.
	CAP.
	PIPE UNION.
	1/4 TURN SHUT-OFF VALVE.
	CHECK VALVE.
VTR	VENT THRU ROOF (VTR).
ETR	EXISTING TO REMAIN.
○	PLAN NOTE DESIGNATION.
△	PLAN REVISION DESIGNATION.
	CONNECT TO EXISTING.
⬡	PLUMBING EQUIPMENT DESIGNATION - TOP PORTION IS EQUIPMENT (HW, RTU, ETC.), BOTTOM PORTION IS NO. OR LETTER (SEE APPROPRIATE SCHEDULE).

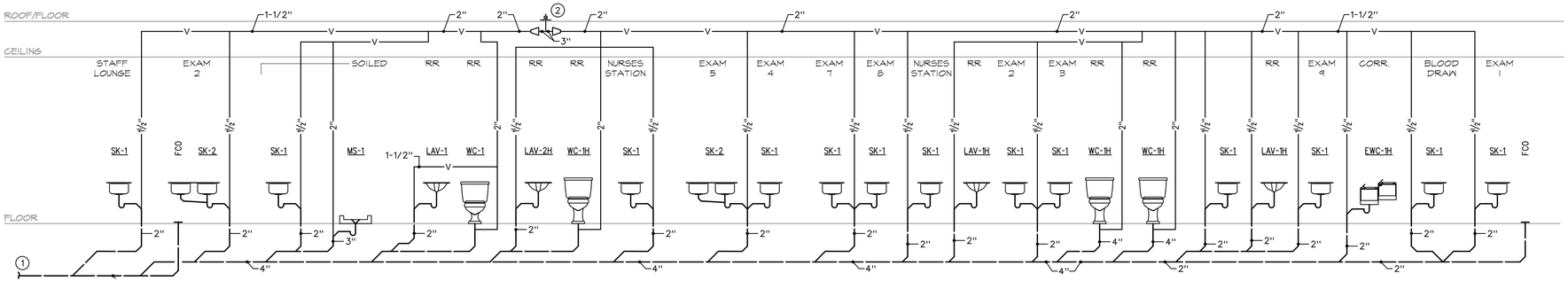


DOMESTIC WATER SCHEMATIC

NTS

RISER DIAGRAM NOTES

1. HOT WATER RECIRCULATING SYSTEM BALANCE VALVE.
2. SEE PLUMBING FLOOR PLAN FOR CONTINUATION.

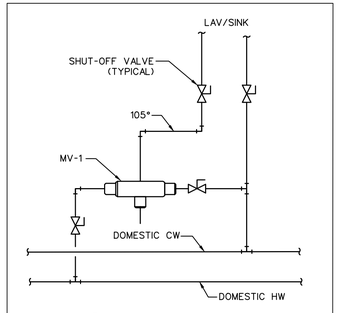


PLUMBING RISER

NTS

RISER DIAGRAM NOTES

1. SEE PLUMBING PLAN FOR CONTINUATION.
2. 3" V UP TO 3" VTR. REUSE EXISTING VTR IF ONE CURRENTLY EXISTS.



9 MP3.3 MIXING VALVE DETAIL
NO SCALE

STATE OF MISSOURI
GREGORY P. GLADFELTER
NUMBER E-2000150421
REGISTERED PROFESSIONAL ENGINEER
10/08/2021

KC UC LS

451 NORTHWEST MURRAY RD
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KANSAS OFFICE
11032 S Green Rd.
Olathe, KS 66061
913-829-3803
f: 913-829-6352

MISSOURI OFFICE
752 Bagnell Dam Blvd.
Lake Ozark, MO 65049
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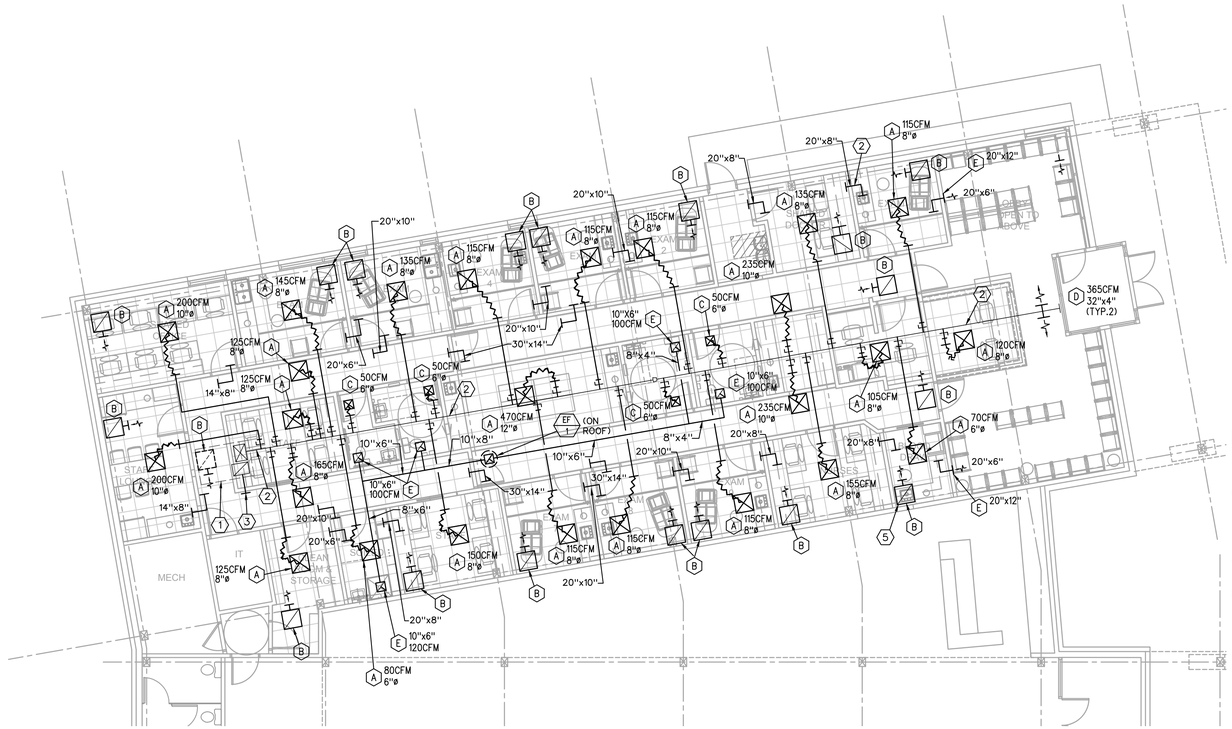


MECHANICAL FLOOR PLAN

1/8" = 1'-0"

NORTH

MECHANICAL PLAN NOTES (#):

1. EXISTING 12.5 TON RTU ON ROOF (ESTIMATED SIZE). BALANCE MINIMUM OA TO 655 CFM.
2. EXISTING FLAT OVAL DUCT SHALL REMAIN. REMOVE EXISTING SUPPLY REGISTERS AND SEAL DUCT AIRTIGHT. TAP DUCT AS SHOWN TO ACCOMMODATE NEW CONSTRUCTION.
3. EXTEND EXISTING RA DUCT SO THAT INTAKE IS ABOVE CORRIDOR CEILING. RELOCATE EXISTING SMOKE DETECTOR IF NECESSARY.
4. RA BOOT THRU WALL ABOVE CEILING (TYPICAL). SIZE AS INDICATED.
5. SEE "RETURN GRILLE BOOT DETAIL", THIS SHEET FOR SOUND BOOT AT RETURN GRILLE (TYPICAL).

MECHANICAL GENERAL NOTES (RTU)

A) COORDINATE LOCATION OF CEILING DIFFUSERS AND RETURN GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.

B) CONTRACTOR SHALL INSURE THAT A PROPER RETURN AIR PATH EXISTS FROM EACH SPACE. WHERE NOT OTHERWISE INDICATED AND IN RETURN AIR PLENUM APPLICATIONS, PROVIDE FLANGED RETURN AIR OPENINGS ABOVE CEILING LEVEL, THRU WALLS TO STRUCTURE, SO THAT RETURN AIR VELOCITY AND PRESSURE DROP DOES NOT EXCEED 1000 FPM AND 0.065"WG/100' RESPECTIVELY.

C) CONFIRM THAT NO COMBUSTIBLE MATERIALS ARE LOCATED IN CEILING RETURN AIR PLENUMS.

D) TEMPERATURE CONTROL INCLUDES ALL CONTROL WIRING FOR COMPLETE OPERATION OF ROOFTOP UNITS BY MECHANICAL CONTRACTOR ACCORDING TO THE FOLLOWING SEQUENCE OF OPERATIONS:

RTU SEQUENCE OF CONTROL:

PROVIDE A WALL MOUNTED 7-DAY HEATING/COOLING THERMOSTAT FOR EACH ROOFTOP UNIT INSTALLED IN A LOCATION APPROVED BY THE OWNER. INSTALL TAMPERPROOF COVER.

DAY OPERATION - THE TIMECLOCK OR MANUAL OVERIDE FUNCTION SHALL AUTOMATICALLY ACTIVATE THE SYSTEM TO THE "OCCUPIED" OR "DAY" MODE. THE SYSTEM SHALL HEAT OR COOL THE SPACE TO THE DESIRED SET POINTS (COOLING: 74°F AND HEATING: 70°F) THROUGH THE THERMOSTATS BUILT-IN DEADBAND. THE OUTSIDE AIR DAMPERS SHALL BE AT THEIR MINIMUM POSITION AND THE FAN SHALL MAINTAIN CONTINUOUS OPERATION.

NIGHT OPERATION - THE TIMECLOCK SHALL AUTOMATICALLY ACTIVATE THE SYSTEM TO THE "NIGHT/UNOCCUPIED" MODE. THE SYSTEM SHALL HEAT OR COOL THE SPACE TO THE DESIRED NIGHT SET POINTS (COOLING: 85°F AND HEATING: 60°F) THROUGH THE THERMOSTATS NIGHT/UNOCCUPIED SETPOINTS. THE OUTSIDE AIR DAMPERS SHALL BE CLOSED AND THE FAN SHALL CYCLE AS NEEDED TO MAINTAIN THE THERMOSTAT SETPOINTS.

ECONOMIZER OPERATION TO ENABLE FREE COOLING SHALL BE A FUNCTION OF THE RTU MANUFACTURER'S STANDARD CONTROLS.

DEHUMIDIFICATION OPERATION, IF PROVIDED, SHALL BE A FUNCTION OF THE RTU MANUFACTURER'S STANDARD CONTROLS. INSTALL HUMIDISTAT ARE RECOMMENDED BY MANUFACTURER.

SAFETY OPERATION - THE FIRE ALARM SYSTEM SHALL SHUTDOWN OPERATION OF RTU FAN UPON DETECTION OF SMOKE AT ANY SMOKE DETECTOR INSTALLED AT THIS FACILITY.

E) EXISTING ROOFTOP UNIT (RTU) IS REPORTED TO BE 12.5 TONS CAPACITY AND SUPPLY AIR VOLUMES HAVE BEEN CALCULATED AT 400 CFM/TON. CONTRACTOR SHALL MAKE CHANGES AS REQUIRED IF THE TONNAGE IS NOT 12.5 TONS.

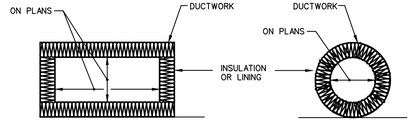
MECHANICAL SYMBOLS

	NEW SHEET METAL DUCTWORK & SIZE.
	NEW SHEET METAL DUCTWORK & SIZE.
	SUPPLY AIR DUCT OR OUTSIDE AIR INTAKE.
	RETURN AIR DUCT OR EXHAUST AIR DUCT.
	DIRECTION OF RETURN AIRFLOW.
T	THERMOSTAT OR TEMPERATURE SENSOR.
CD	CONDENSATE DRAIN.
	ELBOW DOWN.
	ELBOW UP.
SA	SUPPLY AIR.
OA	OUTSIDE AIR.
RA	RETURN AIR.
EA	EXHAUST AIR.
CU	CONDENSING UNIT.
EF	EXHAUST FAN.
RTU	ROOFTOP UNIT.
	PLAN NOTE DESIGNATION.
	PLAN REVISION DESIGNATION.
	CONNECT TO EXISTING.
	MECHANICAL EQUIPMENT DESIGNATION - TOP PORTION IS EQUIPMENT (RTU, EF, HP, ETC.), BOTTOM PORTION IS NO. OR LETTER (SEE APPROPRIATE SCHEDULE).

OUTSIDE AIR SUMMARY (SINGLE ZONE SYSTEMS) (NOTES 2 & 3)

SYSTEM	SPACE	AREA (SQUARE FEET)	CALCULATED OCCUPANT TOTAL (Pz)	VENTILATION RATE (CFM/PERS) (Rp)	AREA OUTDOOR AIRFLOW IN BREATHING ZONE (Ra) CFM/SF	SPACE OUTDOOR AIRFLOW IN BREATHING ZONE Vbz=RpPz+RaAz CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) COOLING/HEATING (NOTE 1)	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez) COOLING	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez) HEATING	ZONE OUTDOOR AIR SETPOINT (CFM)	EXHAUST REQUIRED (CFM) (NOTE 5)	REMARKS
RTU-1	Exam 1	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
(12.5-TON)	Exam 2	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
	Exam 3	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
	Exam 4	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
	Exam 5	108	1	5	0.06	11.48	1.0/0.8	11.48	14.35	15		
	Exam 6	117	1	5	0.06	12.02	1.0/0.8	12.02	15.03	16		
	Exam 7	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
	Exam 8	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
	Exam 9	93	1	5	0.06	10.58	1.0/0.8	10.58	13.23	14		
	Restroom #1	58									70	
	Restroom #2	58									70	
	Restroom #3	51									70	
	Restroom #4	37									70	
	RECEPTION	85	1	5	0.06	10.10	1.0/0.8	10.10	12.63	13		
	Waiting	553	28	5	0.06	173.18	1.0/0.8	173.18	216.48	217		
	Shared Doctor	110	1	5	0.06	11.60	1.0/0.8	11.60	14.50	15		
	Nurses	125	1	5	0.06	12.50	1.0/0.8	12.50	15.63	16		
	Shared Office	163	1	5	0.06	14.78	1.0/0.8	14.78	18.48	19		
	Staff Lounge	144	8	5	0.06	48.64	1.0/0.8	48.64	60.80	61		
	Back Corridor	330	0	5	0.06	19.80	1.0/0.8	19.80	24.75	25		
	Soiled	59	1	5	0.06	8.54	1.0/0.8	8.54	10.68	11	30	6
	Clean Room & Storage	98	0	0	0.12	11.76	1.0/0.8	11.76	14.70	15		
	Nurses Station	126	1	5	0.06	12.56	1.0/0.8	12.56	15.70	16		
	Blood Draw	55	1	5	0.06	8.30	1.0/0.8	8.30	10.38	11		
	Check-out	84	1	5	0.06	10.04	1.0/0.8	10.04	12.55	13		
	Front Cooridor	850	0	5	0.06	51.00	1.0/0.8	51.00	63.75	64		
	Staff	120	1	5	0.06	12.20	1.0/0.8	12.20	15.25	16		
	Staff	102	1	5	0.06	11.12	1.0/0.8	11.12	13.90	14		
	TOTAL	4,084	55							655	310	

1. ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) DETERMINED FROM TABLE 403.3.1.2 AND IS BASED ON AIR DISTRIBUTION CONFIGURATION IN ACCORDANCE WITH THE 2018 IMC.
2. CALCULATION DONE IN ACCORDANCE WITH 2018 IMC, CHAPTER 4.
3. VENTILATION AIR PROVIDED BY DIRECT CONNECTION TO THE OUTDOORS IN ACCORDANCE WITH SECTION 401, 2018 IMC.
4. BATHROOM MINIMUM EXHAUST AIR PROVIDED AT MINIMUM 70 CFM PER FIXTURE IN ACCORDANCE WITH CHAPTER 4, 2018 IMC.
5. SPACE EXHAUST REQUIRED AT THE INDICATED RATE.



DUCT INSULATION SCHEDULE	INTERNAL INSULATION			EXTERNAL INSULATION			NOTES
	1/2"	1"	OTHER	1"	2"	OTHER	
LOW VELOCITY DUCTS:							
RETURN DUCTS		o					1
SUPPLY DUCTS (RECT.)		o					
SUPPLY DUCTS (ROUND)					o		3,4
EXHAUST DUCTS	o			o			2
OUTSIDE AIR DUCTS				o			
RELIEF DUCTS	o						1
MEDIUM/HIGH VELOCITY DUCTS:							
ROUND SUPPLY				o			
FLAT OVAL SUPPLY				o			

NOTES:

1. INSULATION SHALL BE INSTALLED WHEN INDICATED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. OTHERWISE, NO INSULATION IS REQUIRED.
2. INSULATION IS REQUIRED WITHIN 6'-0" OF TERMINATION POINT OF EXHAUST AIR. RECTANGULAR DUCTS SHALL BE LINED, ROUND DUCTS SHALL BE WRAPPED.
3. CONCEALED ROUND SUPPLY AIR DUCTS AND ROUND SUPPLY AIR DUCTS IN UNCONDITIONED SPACES SHALL BE INSULATED AS INDICATED AND SHALL INCLUDE A VAPOR BARRIER TO PREVENT CONDENSATION FROM FORMING ON COLD METAL SURFACES. NO INSULATION IS REQUIRED FOR ROUND SUPPLY AIR DUCT EXPOSED IN CONDITIONED SPACES UNLESS INDICATED OTHERWISE.
4. AT CONTRACTORS OPTION, GALVANIZED STEEL ROUND DOUBLE WALL DUCT MAY BE USED WHERE ROUND SUPPLY AIR DUCTS ARE REQUIRED TO BE INSULATED. DOUBLE WALL DUCT SHALL BE LINX LINDLAB SPIRO-SAFE SPIRAL LOCKSEAM DUCTWORK. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. AT CONTRACTOR'S OPTION, ROUND DUCT LINER MAY BE USED WHERE ROUND SUPPLY AIR DUCTS ARE REQUIRED TO BE INSULATED. DUCT LINER SHALL BE JOHNS MANVILLE SPIRACOUSTIC PLUS, OR APPROVED EQUAL, 1.5" THICK (R6.4). SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

5 / MP3.1 INSULATED OR LINED DUCT DETAIL

NO SCALE

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10/08/2021

KC UC LS
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LEE'S SUMMIT, MO

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KANSAS OFFICE
11032 S Green Rd.
Olathe, KS 66061
913-829-3803
f: 913-829-6352

MISSOURI OFFICE
752 Bagnell Dam Blvd.
Lake Ozark, MO 65049
573-365-2100
f: 573-365-2102

JOB NO.:	212423G
DATE:	10/08/2021
REVISIONS:	
DESIGNED BY:	GEG
DRAWN BY:	GEG
CHECKED BY:	GEG
SHEET NO.	M100

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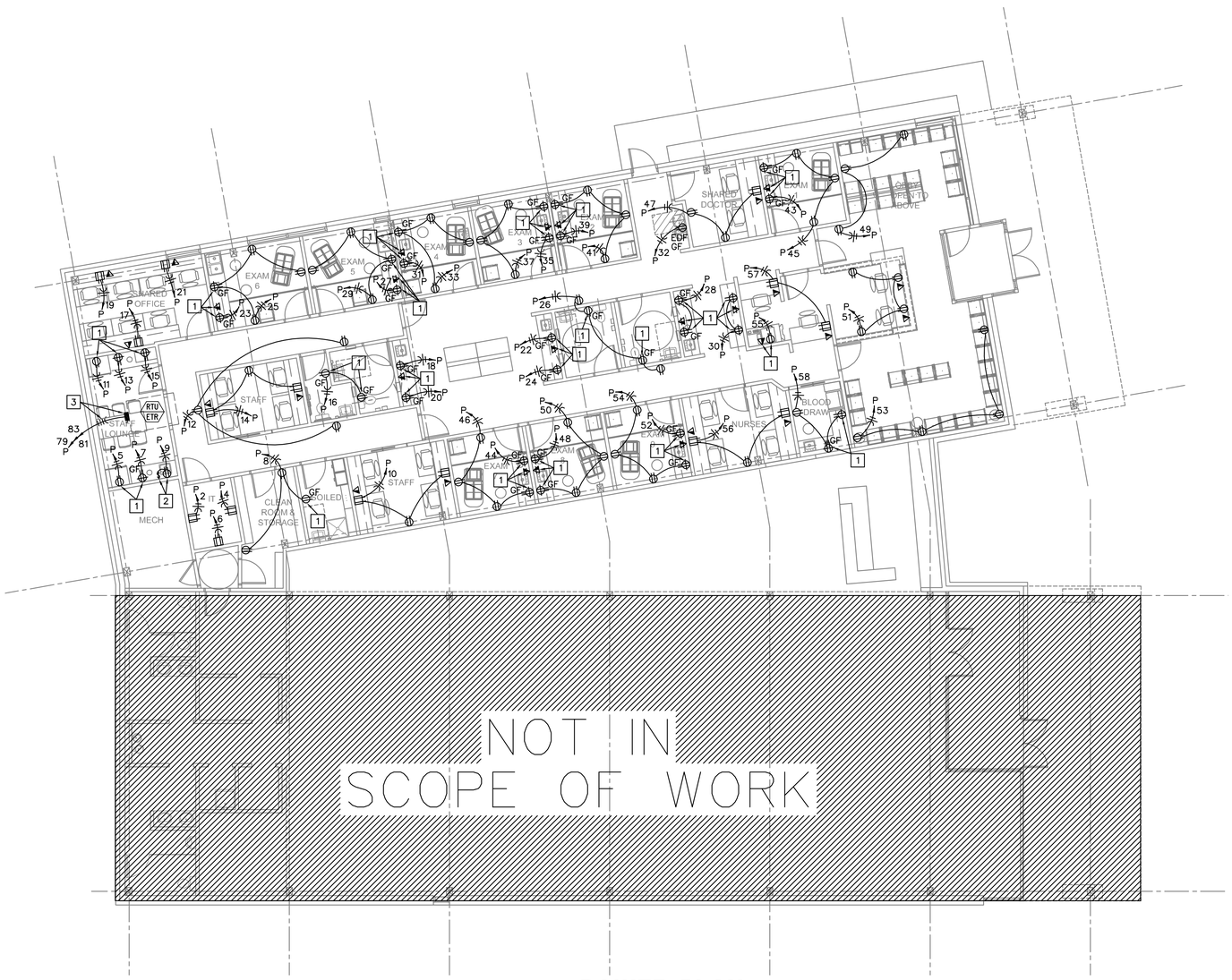

POWER PLAN
1/8" = 1'-0"

NORTH

POWER PLAN NOTES

1. INSTALL OUTLET BOX FOR WIRING DEVICE AT 48" AFF.
2. RECEPTACLE FOR DISPOSAL BELOW COUNTER AND SWITCH TO CONTROL RECEPTACLE ABOVE COUNTERTOP. INSTALL RECEPTACLE IN AN ACCESSIBLE MANNER.
3. EXISTING DISCONNECT, CONDUIT AND WIRING TO REMAIN.

ELECTRICAL GENERAL NOTES

A) SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES.

B) COORDINATE NEMA RATING OF APPLIANCE PLUGS WITH THE EQUIPMENT SPECIFICATIONS.

C) ALL RECEPTACLES WITHIN 6' OF WATER BEARING FIXTURES, EXTERIOR OUTLETS AND ALL OUTLETS IN KITCHEN AREAS SHALL BE GFI STYLE OR THE CIRCUIT SERVING THOSE DEVICES SHALL BE PROTECTED BY MEANS OF A GFI CIRCUIT BREAKER.

D) OUTLET AND SWITCH BOXES INSTALLED IN RATED WALLS SHALL BE PROVIDED WITH UL LISTED PUTTY PADS TO PROTECT THE RATING OF THE WALL.

E) CONNECT ALL NIGHT LIGHT, EXIT LIGHT AND EMERGENCY LIGHT FIXTURES TO UNSWITCHED HOT-LEG OF NEAREST 120V LIGHTING CIRCUIT IN SAME AREA.

F) CONDUIT INSTALLED IN AREAS OF BUILDINGS OR PORTIONS OF BUILDINGS WHERE MEDICAL CARE IS PROVIDED SHALL BE MEDICAL GRADE CONDUIT AND THE INSTALLATION SHALL CONFORM WITH CHAPTER 517 OF THE NEC (HEALTH CARE FACILITIES).

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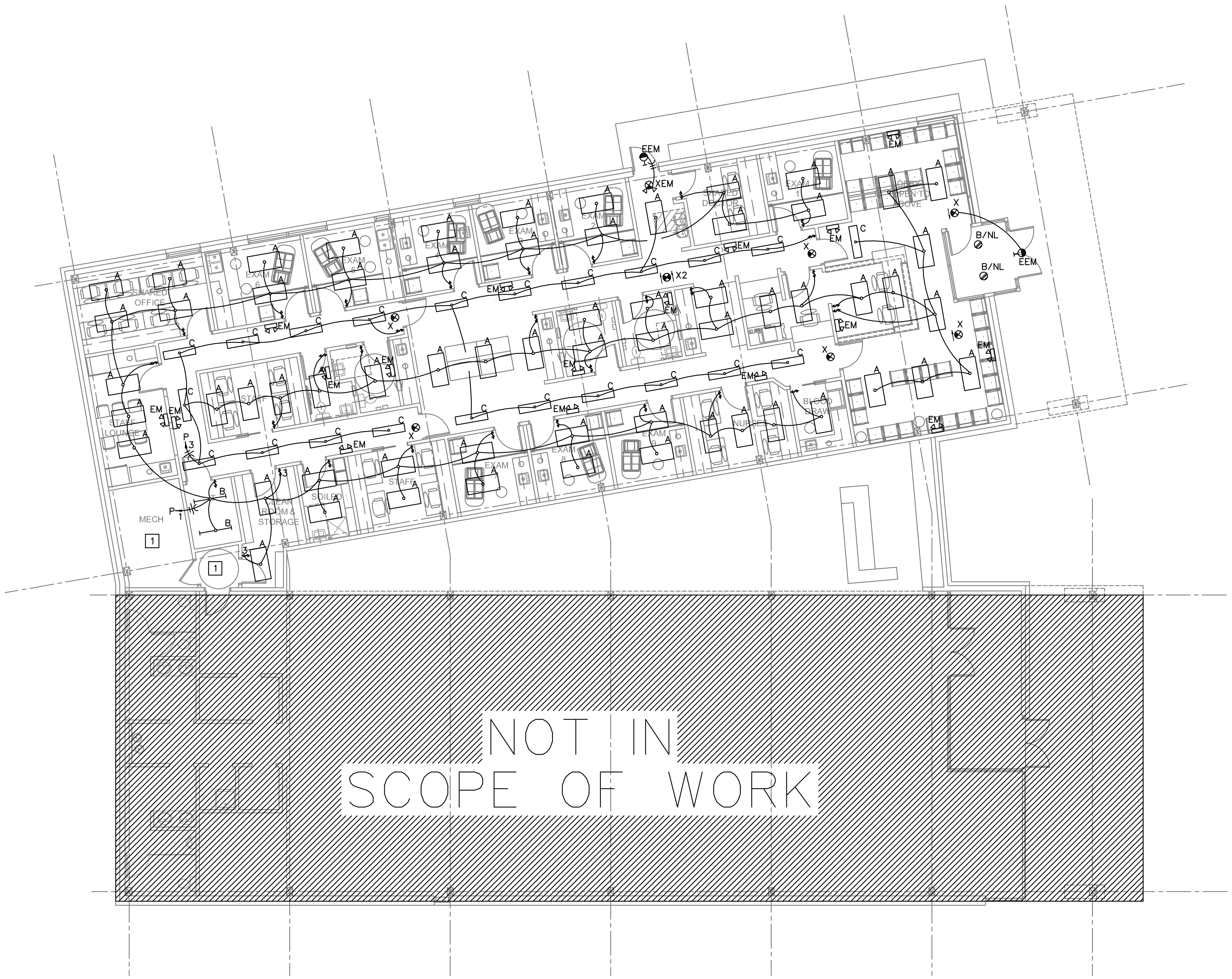
LIGHTING PLAN NOTES [#] :

1. LIGHTING IN THIS ARE IS EXISTING TO REMAIN.



LIGHTING PLAN

1/8" = 1'-0"

NORTH

ELECTRICAL GENERAL NOTES

A) SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES.

B) COORDINATE NEMA RATING OF APPLIANCE PLUGS WITH THE EQUIPMENT SPECIFICATIONS.

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E) CONNECT ALL NIGHT LIGHT, EXIT LIGHT AND EMERGENCY LIGHT FIXTURES TO UNSWITCHED HOT-LEG OF NEAREST 120V LIGHTING CIRCUIT IN SAME AREA.

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PANEL P (EXISTING) | 120/208 VOLTS | 3 PHASE | 4 WIRE | SECTION 1 OF 2
☐ 200 A. BUS | ☐ 200 A. MAIN BREAKER | ☐ MAIN LUGS ONLY
☐ SERVICE ENTRANCE | ☐ FEED THRU LUGS | ☐ SUBFEED LUGS

CIRC. NO.	CIRCUIT DESCRIPTION	CIRC. BRKR. AMPS	CIRC. BRKR. POLES	VA	Ø	CIRC. NO.	CIRCUIT DESCRIPTION	CIRC. BRKR. AMPS	CIRC. BRKR. POLES	VA
1	LIGHTS	20	1	958	A	2	4-PLEX REC - IT	20	1	1000
3	LIGHTS	20	1	1568	B	4	4-PLEX REC - IT	20	1	1000
5	REFRIGERATOR	20	1	800	C	6	4-PLEX REC - IT	20	1	1000
7	GF RECEPTACLE	20	1	1250	A	8	RECEPTACLES	20	1	540
9	DISPOSAL	20	1	1350	B	10	RECEPTACLES	20	1	900
11	REFRIGERATOR	20	1	800	C	12	RECEPTACLES	20	1	540
13	GF RECEPTACLE	20	1	1000	A	14	RECEPTACLES	20	1	900
15	MICROWAVE	20	1	1500	B	16	GF RECEPTACLES	20	1	360
17	4-PLEX RECEPTACLE	20	1	1000	C	18	GF RECEPTACLES	20	1	1000
19	4-PLEX RECEPTACLE	20	1	1000	A	20	GF RECEPTACLES	20	1	1000
21	4-PLEX RECEPTACLE	20	1	1000	B	22	GF RECEPTACLES	20	1	1000
23	GF RECEPTACLE	20	1	800	C	24	GF RECEPTACLES	20	1	1000
25	RECEPTACLES	20	1	720	A	26	RECEPTACLES	20	1	720
27	GF RECEPTACLE	20	1	800	B	28	GF RECEPTACLES	20	1	1000
29	RECEPTACLES	20	1	720	C	30	GF RECEPTACLES	20	1	1000
31	GF RECEPTACLE	20	1	800	A	32	EDF	20	1	600
33	RECEPTACLES	20	1	720	B	34	SPARE	20	1	-
35	GF RECEPTACLE	20	1	800	C	36	SPARE	20	1	-
37	RECEPTACLES	20	1	720	A	38	SPARE	20	1	-
39	GF RECEPTACLE	20	1	800	B	40	SPARE	20	1	-
41	RECEPTACLES	20	1	720	C	42	SPARE	20	1	-

TOTAL CONNECTED LOAD 64946 VA
☐ SURFACE MOUNTED
☐ FLUSH MOUNTED

DEMAND FACTORS:
LIGHTS @ 125 % = 3158 VA
RECEPTS @ 100 % = 10000 VA
RECEPTS @ 50 % = 16130 VA
OTHER @ 100 % = 20160 VA
TOTAL DEMAND LOAD = 49448 VA

NEUTRAL BUS 100 %
POWER FACTOR 100 %
DEMAND CURRENT 137.4 AMPS

PANEL P (EXISTING) | 120/208 VOLTS | 3 PHASE | 4 WIRE | SECTION 2 OF 2
☐ 200 A. BUS | ☐ _ A. MAIN BREAKER | ☐ MAIN LUGS ONLY
☐ SERVICE ENTRANCE | ☐ FEED THRU LUGS | ☐ SUBFEED LUGS

CIRC. NO.	CIRCUIT DESCRIPTION	CIRC. BRKR. AMPS	CIRC. BRKR. POLES	VA	Ø	CIRC. NO.	CIRCUIT DESCRIPTION	CIRC. BRKR. AMPS	CIRC. BRKR. POLES	VA
43	GF RECEPTACLE	20	1	800	A	44	GF RECEPTACLE	20	1	800
45	RECEPTACLES	20	1	720	B	46	RECEPTACLES	20	1	720
47	RECEPTACLES	20	1	720	C	48	GF RECEPTACLE	20	1	800
49	RECEPTACLES	20	1	540	A	50	RECEPTACLES	20	1	720
51	RECEPTACLES	20	1	720	B	52	GF RECEPTACLE	20	1	800
53	RECEPTACLES	20	1	720	C	54	RECEPTACLES	20	1	720
55	PRINTER/COPIER	20	1	1500	A	56	RECEPTACLES	20	1	900
57	4-PLEX RECEPTACLES	20	1	1000	B	58	RECEPTACLES	20	1	720
59	SPARE	20	1	-	C	60	SPARE	20	1	-
61	SPARE	20	1	-	A	62	SPARE	20	1	-
63	SPARE	20	1	-	B	64	SPARE	20	1	-
65	SPARE	20	1	-	C	66	SPARE	20	1	-
67	SPARE	20	1	-	A	68	SPARE	20	1	-
69	SPARE	20	1	-	B	70	SPARE	20	1	-
71	SPARE	20	1	-	C	72	SPARE	20	1	-
73	SPACE	-	-	-	A	74	SPACE	-	-	-
75	SPACE	-	-	-	B	76	SPACE	-	-	-
77	SPACE	-	-	-	C	78	SPACE	-	-	-
79	EXISTING RTU	80	3	6720	A	80	SPACE	-	-	-
81				6720	B	82	SPACE	-	-	-
83				6720	C	84	SPACE	-	-	-

SEE SECTION 1 FOR
LOAD CALCULATIONS

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	LAMP	VOLTS / WATTS
A	LITHONIA LTG #2VTL4 30L ADPT EZ1 LP835	LED	120 / 24
B	LITHONIA LTG #CSS L48 4000LM MVOLT 40K 80CRI	LED	120 / 35
C	LITHONIA LTG #VTL4 30L ADP EZ1 LP835 N80	LED	120 / 27
D	-	-	120 / -
EM	EXITRONIX #LED90	(2) LED HEADS WITH UNIT	120 / 10
EEM	EXITRONIX #MLED	WEATHERPROOF LED REMOTE	6 / 8
X	EXITRONIX #VEX-U-BP-WB-WH-120-R	RED LED WITH UNIT	120 / 10
X2	EXITRONIX #VEX-U/2-BP-WB-WH-120-R	RED LED WITH UNIT	120 / 10
XEM	EXITRONIX #VLED-1-WH-EL90-R	RED LED AND (2) LED HEADS WITH UNIT	120 / 15

NOTES:
1. TYPE 'X' AND/OR 'XEM' FIXTURES SHALL HAVE 12 WATTS OF REMOTE CAPACITY AND POWER TYPE 'EEM'.
2. TYPE 'X2' SHALL BE DOUBLE FACE.

ELECTRICAL SYMBOLS

- BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. ARROWS INDICATE HOMERUNS TO PANEL. ALL CONDUCTORS ARE #12 EXCEPT AS NOTED.
- CONDUIT RUN UNDERGROUND OR BENEATH FLOOR SLAB.
- GROUNDING CONDUCTOR #12 EXCEPT AS NOTED.
- WALL MOUNTED JUNCTION BOX.
- CEILING MOUNTED JUNCTION BOX.
- PANELBOARD (SURFACE MOUNTED).
- DISCONNECT SWITCH. SIZED AS NOTED.
- DISCONNECT SWITCH FURNISHED WITH EQUIPMENT.
- OR — EXIT LIGHT - SINGLE FACE - ARROWS AS SHOWN.
- EXIT LIGHT - DOUBLE FACE - ARROWS AS SHOWN.
- COMBINATION EXIT/EMERGENCY LIGHT FIXTURE WITH (2) HEADS
- CEILING OR WALL MOUNTED EMERGENCY LIGHTING UNIT WITH (2) HEADS.
- 2'x4' LIGHT FIXTURE.
- NIGHT LIGHT FIXTURE. FIXTURE SHALL BE ON 24/7.
- FLUORESCENT STRIP FIXTURE.
- CEILING LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE.
- REMOTE WEATHERPROOF EMERGENCY LIGHT FIXTURE.
- SINGLE POLE SWITCH. +3'-10" AFF.
- S^3 — THREE-WAY SWITCH +3'-10" AFF.
- S^4 — FOUR-WAY SWITCH +3'-10" AFF.
- DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
- DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
- $\ominus^{WP}$ — DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE. HEIGHT AS NOTED.
- $\ominus^{GF}$ — DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION. +1'-6" AFF OR AS NOTED.
- FOURLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
- FOURPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
- COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF OR AS NOTED.
- COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. INSTALLED ABOVE COUNTERTOP.
- TV — TELEVISION OUTLET. +1'-6" AFF OR AS NOTED.
- +3'-10" — HEIGHT TO CENTERLINE OF OUTLET BOX ABOVE FINISHED FLOOR.
- RTU-1 — ROOF TOP UNIT AND NUMBER.
- WH-1 — ELECTRIC WATER HEATER AND NUMBER.
- EF-1 — EXHAUST FAN AND NUMBER.
- CU-1 — CONDENSING UNIT AND NUMBER.
- F-1 — FURNACE AND NUMBER.
- AFF — ABOVE FINISH FLOOR.
- ETR — EXISTING TO REMAIN.
- ER — EXISTING RELOCATED.
- EC — ELECTRICAL CONTRACTOR.
- EDF — ELECTRIC DRINKING FOUNTAIN.
- NL — NIGHT LIGHT. FIXTURE SHALL BE ON 24/7

ELECTRICAL GENERAL NOTES

A) CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL WORK WITH ARCHITECT AND GENERAL CONTRACTOR.

B) INSTALLATION SHALL COMPLY WITH LATEST EDITION OF N.E.C. AND LOCAL AUTHORITY HAVING JURISDICTION.

C) CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN MUNICIPALITY WHERE PROJECT IS LOCATED.

D) ALL WIRING SHALL BE INSTALLED IN CONDUIT. EMT CONDUIT WITH SET SCREW FITTINGS MAY BE UTILIZED WHERE PERMITTED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".

E) ALL WIRING SHALL BE COPPER WITH 600 VOLT INSULATION AND COLOR CODED, UNLESS NOTED OTHERWISE.

F) CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT AND INSPECTION FEES.

G) MC CABLE MAY BE INSTALLED WHERE PERMITTED BY CODE. CONDUCTORS SHALL BE MINIMUM #12 GAUGE AND COPPER.

HI) INSTALL BLANK COVER PLATE ON ALL PULL BOXES AND JUNCTION BOXES.

I) TYPEWRITTEN PANELBOARD DIRECTORY SHALL BE PROVIDED FOR PANELBOARD AND CORRECTLY FILLED OUT.

J) CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK WITH ALL OTHER TRADES INVOLVED WITH CONSTRUCTION OF PROJECT.

K) ALL WIRING DEVICES SHALL BE RATED 20 AMP, OR AS NOTED ON DRAWINGS. COORDINATE LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.

L) CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING OF ALL CONDUITS TO NEW EQUIPMENT.

M) FURNISH MATERIALS AND LABOR FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION.

N) MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE 'UL' LABELS AS REQUIRED.

O) CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT FURNISHED BY OTHERS.

P) PVC (SCHEDULE 40) CONDUIT MAY BE USED FOR CONDUITS INSTALLED BELOW FINISHED GRADE OR CONCRETE FLOOR SLAB. PROVIDE WITH APPROVED FITTINGS.

Q) DISCONNECT SWITCHES SHALL BE MANUFACTURED BY ITE/SIEMENS OR EQUAL. NEMA 1 FOR INDOOR INSTALLATION AND NEMA 3R FOR OUTDOOR INSTALLATION.

R) ALL LIGHT FIXTURES AND DEVICES MOUNTED IN CEILING SHALL BE BRACED TO RESIST SEISMIC FORCES IN ACCORDANCE WITH IBC, NEC, AND LOCAL AUTHORITY HAVING JURISDICTION.

S) VOICE/DATA AND THERMOSTAT OUTLET BOXES SHALL BE PROVIDED AND INSTALLED WITH 3/4" CONDUIT STUBBED UP OUT TOP OF BOX TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON END OF CONDUIT.

T) EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE PROVIDED WITH BATTERY BACK-UP FOR MINIMUM OF (90) MINUTES. EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE CONNECTED TO HOT LEG OF CIRCUIT, NOT SWITCHED.

U) PANELBOARDS ARE EXISTING TO REMAIN. NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELBOARDS SHALL MATCH PANELBOARD CONSTRUCTION AND AIC RATING. PANELS ARE MANUFACTURED BY ITE/SIEMENS, SQUARE 'D', G.E., OR CUTLER-HAMMER.

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