UNIVERSITY OF MISSOURI TEACHING HOSPITAL
FITOUT SPACE 2W

UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI
MU PROJECT #: CP210701
FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

BID DOCUMENTS

ISSUE DATE: AUGUST 10, 2021
RE-ISSUED IN ENTIRETY

PROJECT TEAM

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OWNER

UNIVERSITY OF MISSOURI
COLUMBIA, MISSOURI

CERTIFICATIONS

ARCHITECTURAL STATEMENT:
I hereby certify that Sheets **G000 - A751**, have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these Drawings and/ or Specifications are as required by and in compliance with Building Codes of the University of Missouri.

SIGNATURE: ______________________________

STRUCTURAL STATEMENT:
I hereby certify that Sheets **S101-S301**, have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these Drawings and/ or Specifications are as required by and in compliance with Building Codes of the University of Missouri.

SIGNATURE______________________________

MECHANICAL & PLUBING STATEMENT:
I hereby certify that Sheets **M000 - M800,** have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these Drawings and/ or Specifications are as required by and in compliance with Building Codes of the University of Missouri.

SIGNATURE: ______________________________

ELECTRICAL STATEMENT:
I hereby certify that Sheets **E000-E701**, have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these Drawings and/ or Specifications are as required by and in compliance with Building Codes of the University of Missouri.

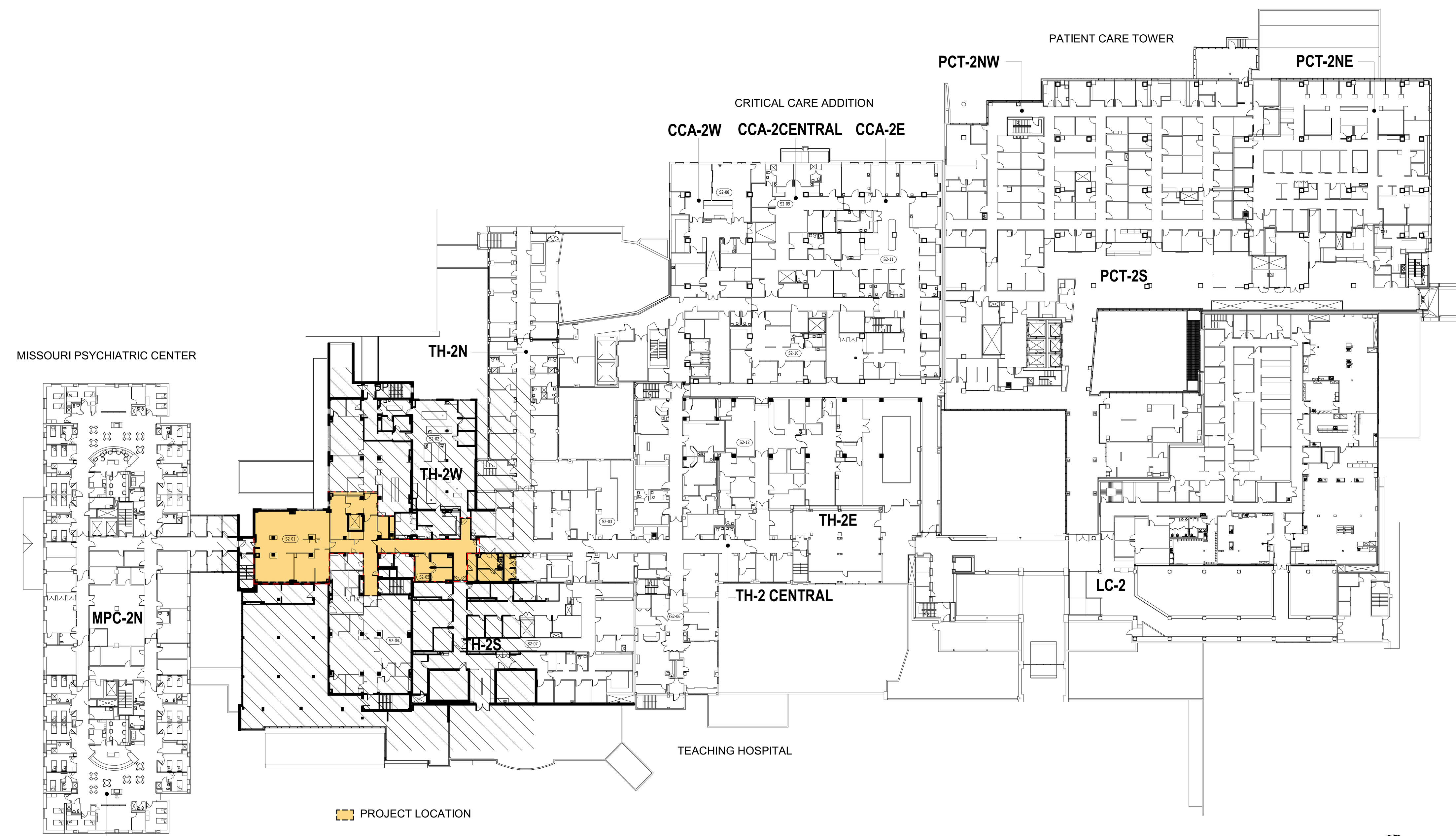
SIGNATURE: ______________________________

DEFERRED SUBMITTALS:

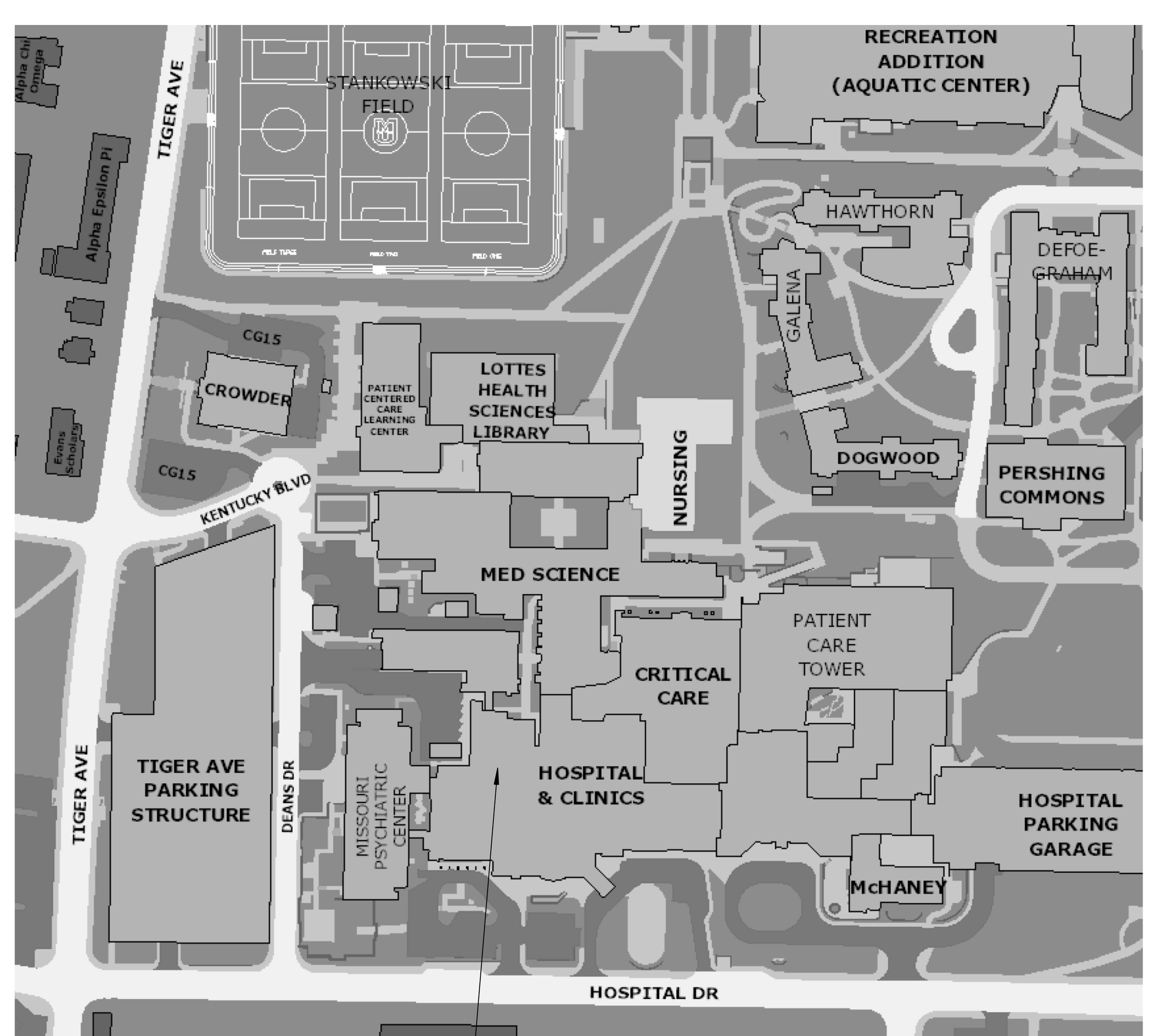
AS DEFINED BY IBC SECTION 107.3.4.1, THE FOLLOWING DEFERRED SUBMITTALS ARE REQUIRED AS PART OF THIS PROJECT:
- FIRE ALARM
- FIRE SPRINKLER

SPECIAL INSPECTIONS:

AS DEFINED BY IBC SECTION 1704.2.3, THE FOLLOWING SPECIAL INSPECTIONS ARE REQUIRED AS PART OF THIS PROJECT:
- PLUMBING, MECHANICAL & ELECTRICAL COMPONENTS

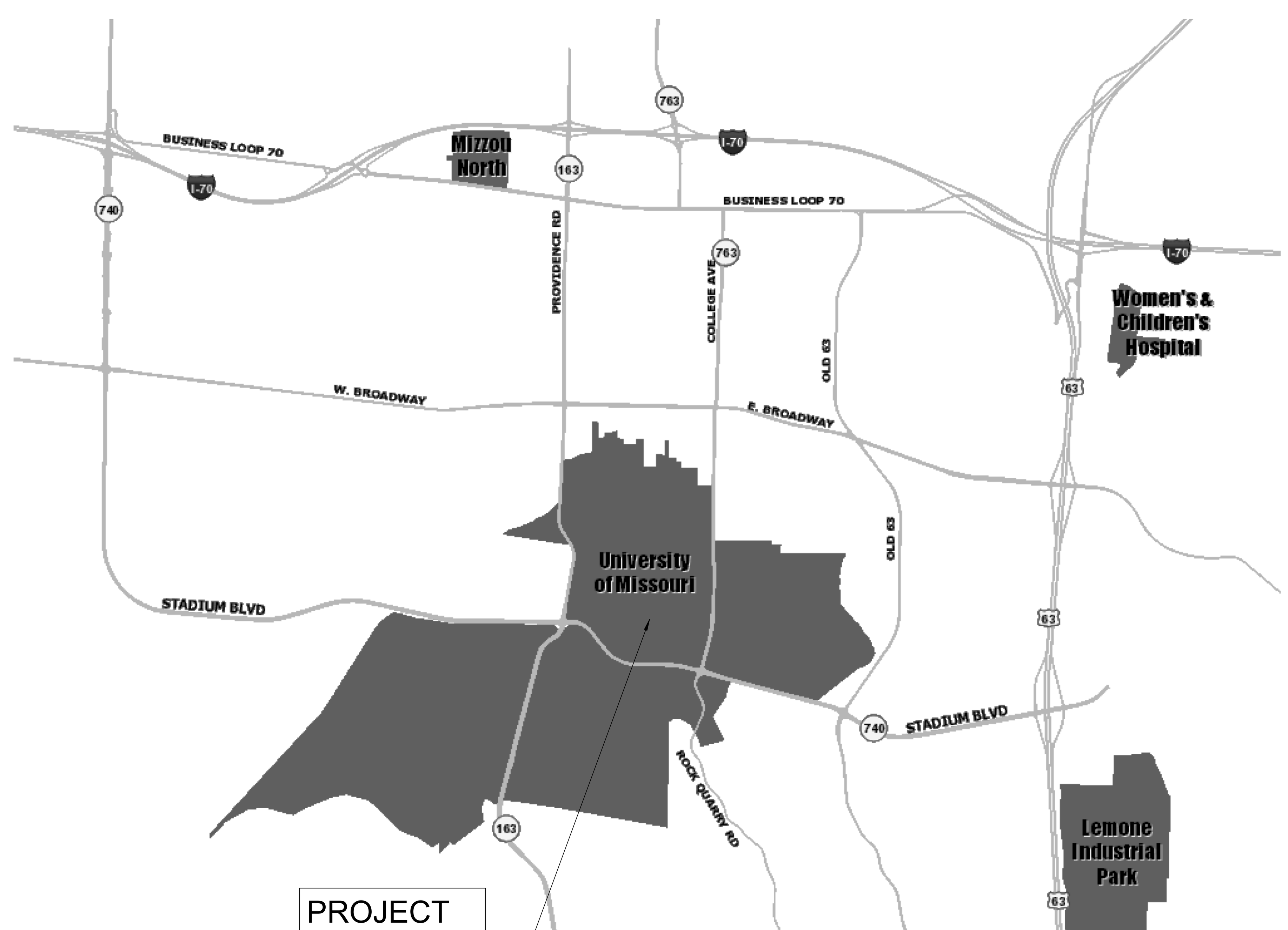


KEY PLAN, 2ND FLOOR
NOT TO SCALE



PROJECT LOCATION

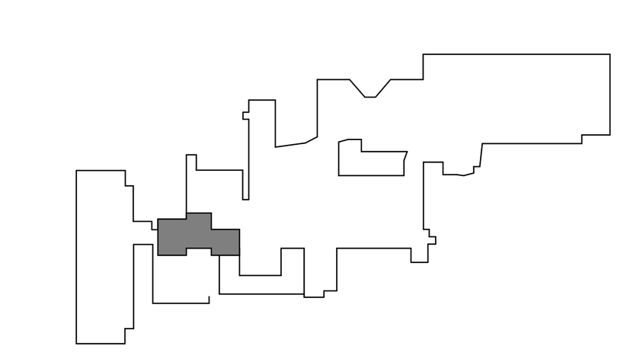
VICINITY MAP
NOT TO SCALE



PROJECT LOCATION

AREA MAP
NOT TO SCALE

SHEET LIST



KEY PLAN

STATE OF MISSOURI
ROBERT MARVIN KOENIG
NUMBER A-6977
ARCHITECT
8-10-21

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

G000

COVER SHEET

BID DOCUMENTS

Date: 08/10/2021

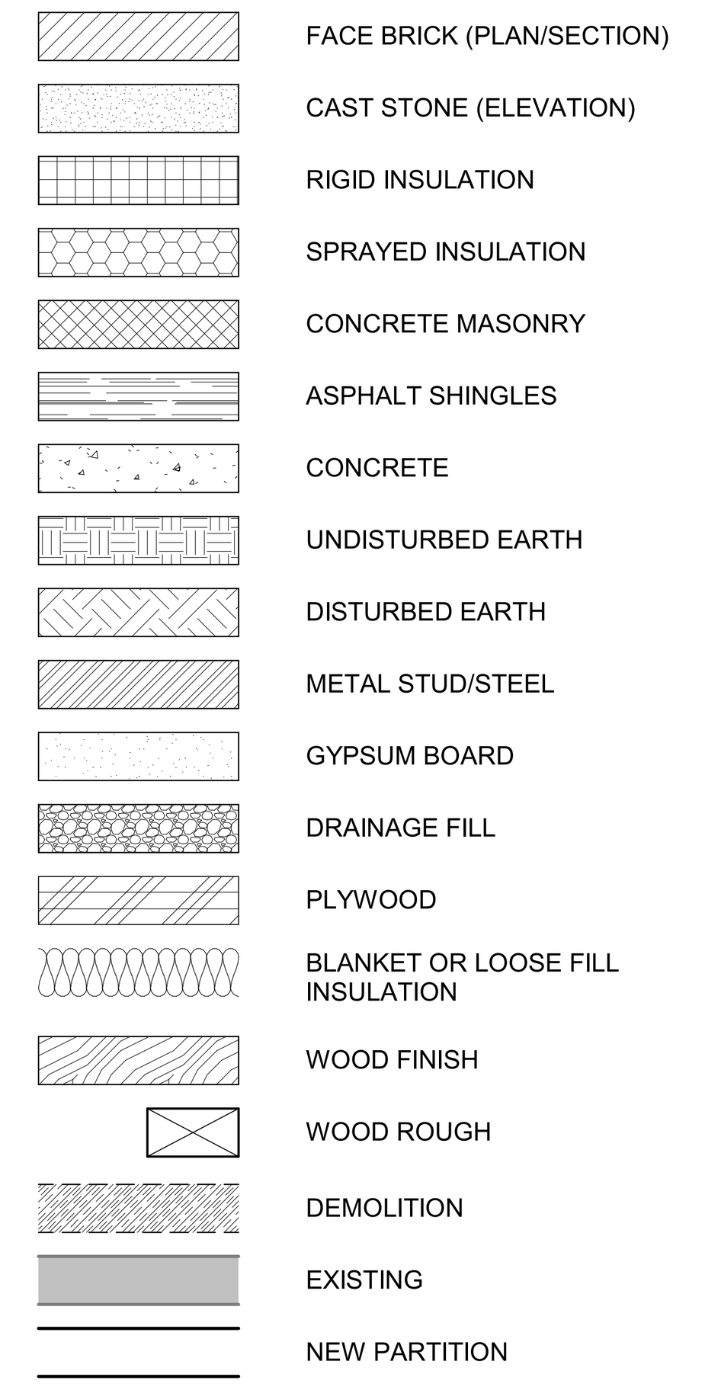
TreanorHL Project Number:
HC0728.2101.00

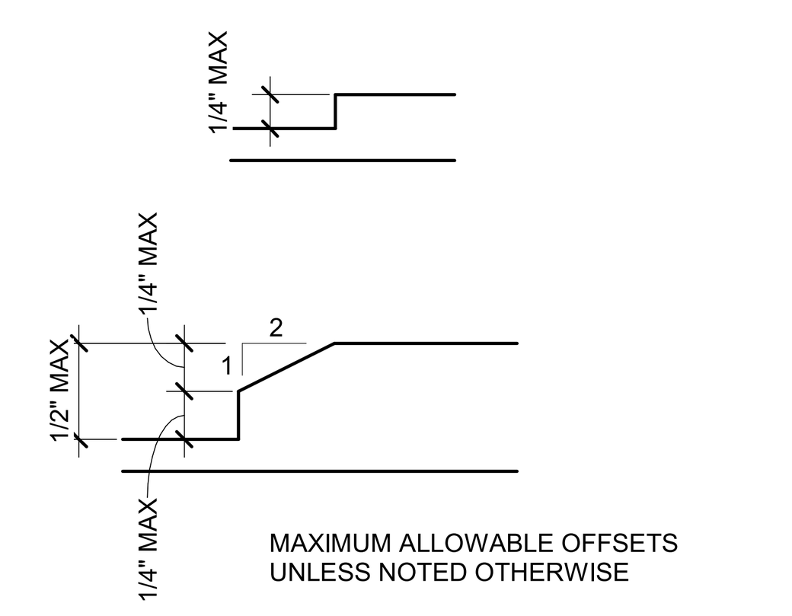
MU Project Number:
CP210701

ABBREVIATIONS

AA	AUTOMATICALLY ACTUATED
ABV	ABOVE
AC	ABOVE COUNTER
ACMU	ARCHITECTURAL CEMENTITIOUS MASONRY UNIT
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AG	ACRYLIC GLAZING
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
AP	ACCESS PANEL
APC	ACOUSTICAL PANEL CEILING
APX	APPROXIMATE
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BM	BENCH MARK
BO	BOTTOM OF
BOT	BOTTOM
BR	BRICK
BRG	BEARING
BS	BOTH SIDES
BSMT	BASEMENT
BUR	BUILT UP ROOFING
CA	CARD ACTUATED
CAB	CABINET
CB	CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CF	CORK FLOORING
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CG	CORNER GUARD
CH	CONDUCTOR HEAD
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CL or CLR	CLEAR
CLG	CEILING
CMU	CONCRETE MASORY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUE
COR	CORRIDOR
CPT	CARPET
CR	CARD READER
CRF	CORK/RUBBER FLOORING
CS	CUSTOM STEEL (HOLLOW METAL)
CT	CERAMIC TILE
CTR	COUNTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	DEEP/DEPTH/DRAIN
DBL	DOUBLE
DF	DRINKING FOUNTAIN
DFS	DOOR AND FRAME SCHEDULE
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DPR	DISPENSER
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EB	EXPANSION BOLT
ECUH	ELECTRIC CABINET UNIT HEATER
EF	EACH FACE
EIFS	EXTERIOR INSUL. FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATION/ELEVATOR
EMER	EMERGENCY
ENC	ENCLOSURE
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FRESH AIR
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAS	FASTENER
FB	FACE BRICK
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONECTION
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET\
FF	FINISH FLOOR
FFCO	FLUSH FLOOR CLEANOUT
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FH	FLAT HEAD
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FL	FLOW LINE
FLUOR	FLUORESCENT
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUCCO
FP	FIREPROOF(ING)
FR	FIRE RATED
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FLOOR SINK
FT	FEET
FTG	FOOTING
FUR	FURRING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GD	GRADE/GRADING
GF	GROUND FACE
GFRC	GLASS FIBER REINFORCED CONCRETE
GR	GRADE, GRADING
GYP	GYPSUM
GYP BD	GYPSUM WALL BOARD
H	HIGH/HEIGHT
HB	HOSE BIB
HM	HOLLOW METAL (CUSTOM STEEL)
HO	HOLD OPEN
HORZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HW	HOT WATER
HWD	HARD WOOD
ID	INSIDE DIAMETER
IN	INCHES
INCL	INCLUDE(D), (ING)
INSUL	INSULATION, INSULATING
INT	INTERIOR
INTM	INTERMEDIATE
JB	JUNCTION BOX
JF	JOINT FILLER
JST	JOIST
JT	JOINT
KB	KEYBOARD
KIT	KITCHEN
KO	KNOCK OUT
KS	KNEE SPACE
L	LONG/LENGTH
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LIN	LINOLEUM
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMS	LIMESTONE
LT	LIGHT
LTL	LINTEL
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
LWCMU	LIGHT WEIGHT CONCRETE MASONRY UNIT
M	METER(S)
MAS	MASONRY
MAT	MATERIAL(S)
MAX	MAXIMUM
MB	MARKERBOARD
MDF	MEDIUM DENSITY FIBER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL ROOF DECK
MFR	MANUFACTURE/MANUFACTURER
MH	MANHOLE
MHO	MAGNETIC HOLD OPEN
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING, MOULDING
MO	MASONRY OPENING
MOD	MODULAR
MRD	METAL ROOF DECK
MS	METAL STUDS
MT	MOUNT(ED), (ING)
MTFR	METAL FURRING
MTL	METAL
MULL	MULLION
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER (or) OVERFLOW DRAIN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OFVI	OWNER FURNISHED VENDOR INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPP H	OPPOSITE HAND
PAR	PARAPET
PAV	PAVING
PB	PUSH BUTTON
PCC	PRECAST CONCRETE
PED	PEDESTRIAN
PERIM	PERIMETER
PERP	PERPENDICULAR
PFB	PREFABRICATE(D)
PIC	POLYISOCYANURATE
PK	PARKING
PL	PLATE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLWD	PLYWOOD
PNL	PANEL
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, PAINTED
PTR	PAPER TOILET RECEPTOR
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS OR RISER
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RBT	RABBET
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFERENCE
RECEP	RECEPTACLE
REF	REFER TO REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED(ING)
REM	REMOVE
REQ	REQUIRE(D)
RES	RESILIENT
RET	RETURN
REV	REVISION
RFG	ROOFING
RFL	REFLECT(ED), (IVE), (OR)
RFS	ROOM FINISH SCHEDULE
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
RVRS	REVERSE
S	SOUTH
SA	SUPPLY AIR
SAM	SELF-ADHERED MEMBRANE
SAN	SANITARY
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SHTH	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPC	SPACE
SPCR	SPACER
SPEC	SPECIFICATION(S)
SPKR	SPEAKER
SQ	SQUARE
SS	SOLID SURFACE
SSK	SERVICE SINK
SST	STAINLESS STEEL
ST	SPECIAL TREATMENT
STA	STATION
STD	STANDARD
STL	STEEL
STN	STONE
STOR	STORAGE
STP	STANDPIPE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SY	SQUARE YARD
SYM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&G	TONGUE AND GROOVE
TB	TACKBOARD
TBD	TO BE DETERMINED
TD	TRENCH DRAIN
TEL	TELEPHONE
THK	THICK(NESS)
THRU	THROUGH
TLT	TOILET
TO	TOP OF
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL, TOP OF SLAB
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TS	TUBE STEEL
TYP	TYPICAL
TZ	TERRAZZO
UC	UNDER CONTRACT
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
US	URINAL SCREEN
VB	VAPOR BARRIER
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VEST	VESTIBULE
VFCI	VENDOR FURNISHED CONTRACTOR INSTALLED
VFOI	VENDOR FURNISHED OWNER INSTALLED
VFVI	VENDOR FURNISHED VENDOR INSTALLED
VIF	VERIFY IN FIELD
W	WIDE/WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDB	WOOD BASE
WDO	WINDOW
WG	WIRE GLASS
WO	WHERE OCCURS
WPG	WATERPROOFING
WS	WRITABLE SURFACE
WS	WATERSTOP
WSCT	WAINSCOT
WT	WEIGHT
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC

MATERIAL LEGEND

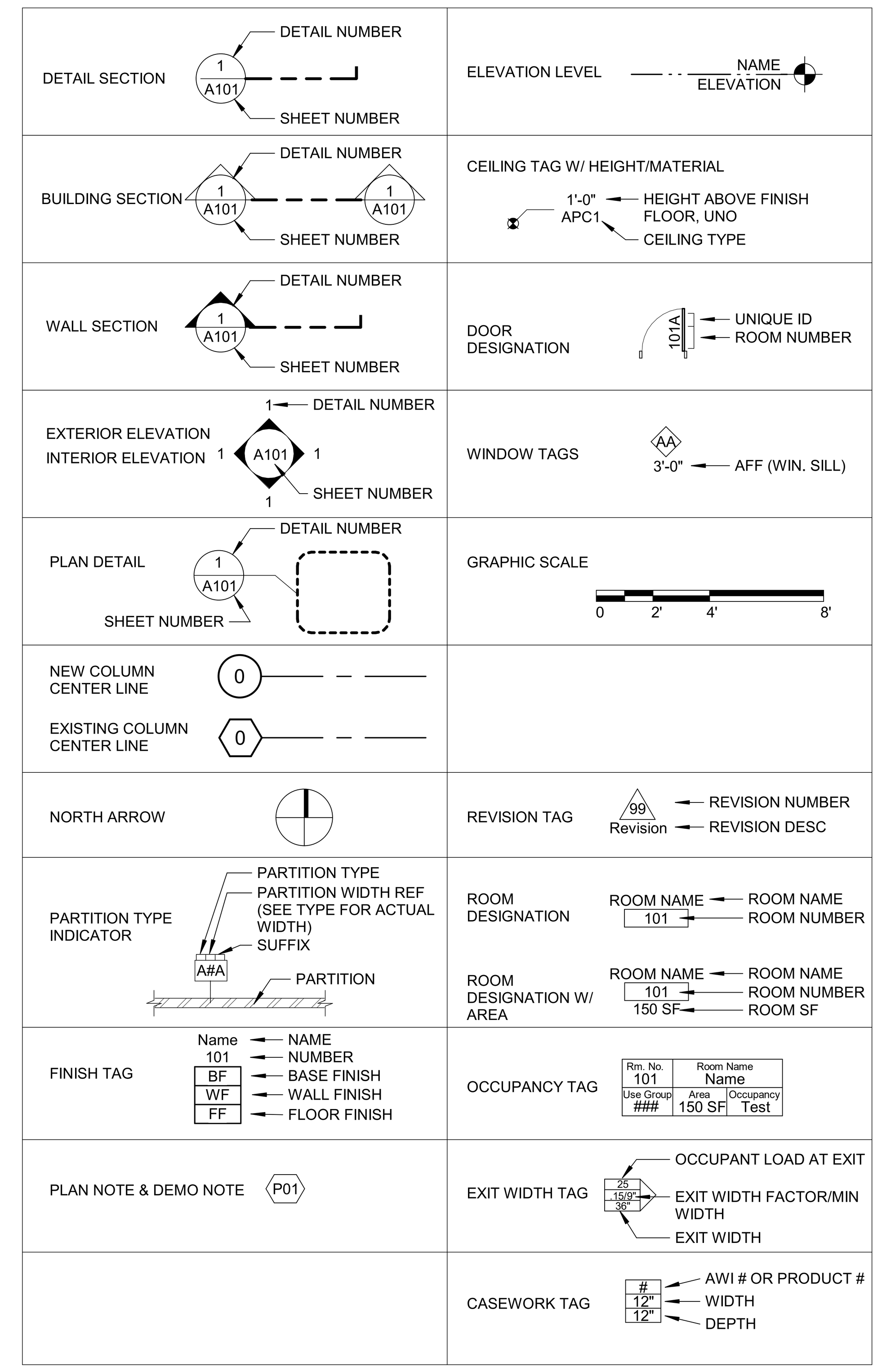


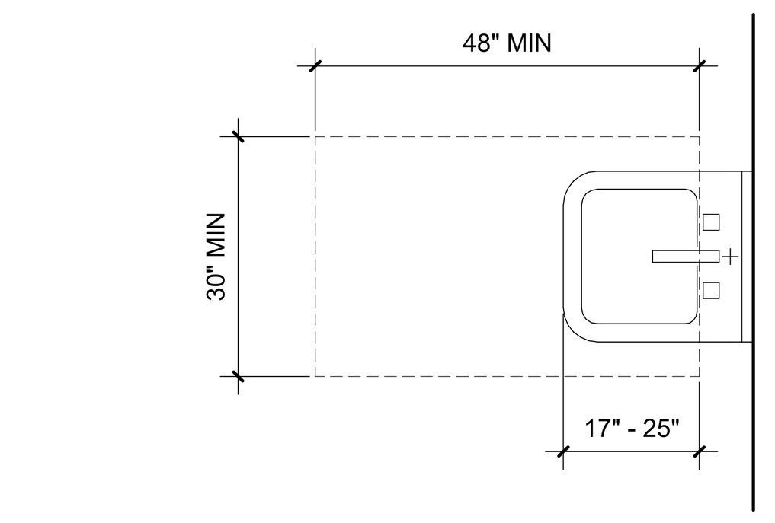


LEVEL CHANGES

1/4" = 1'-0"

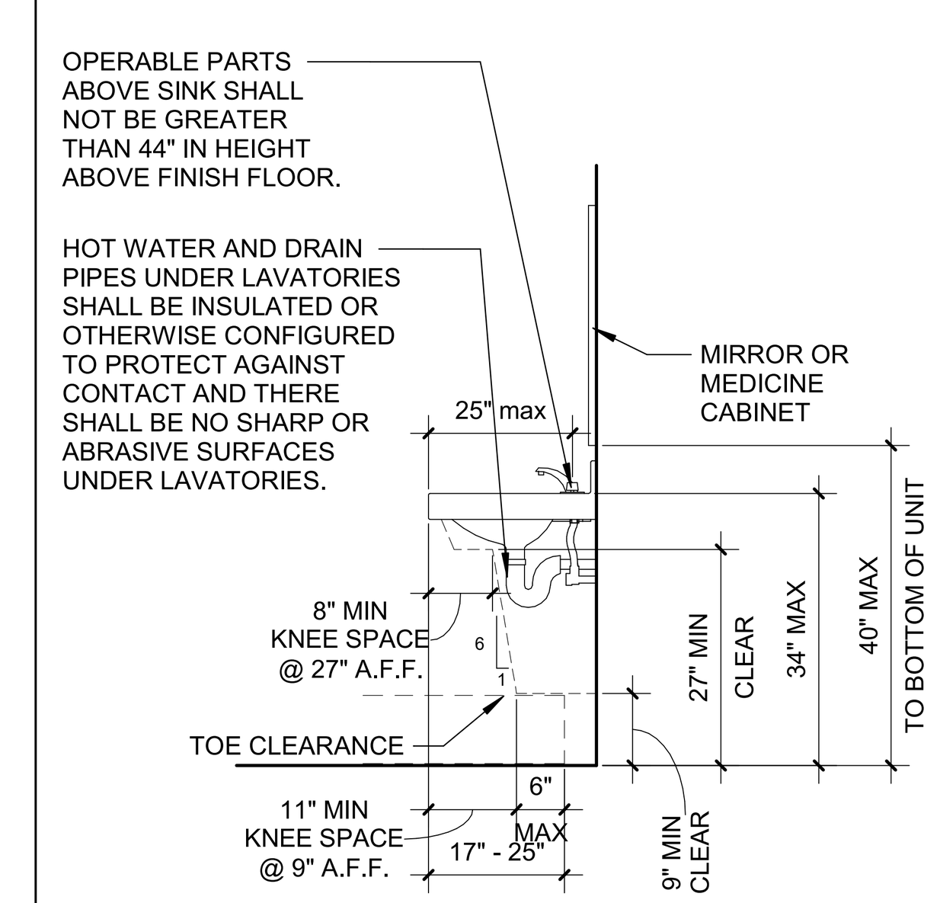
SYMBOLS





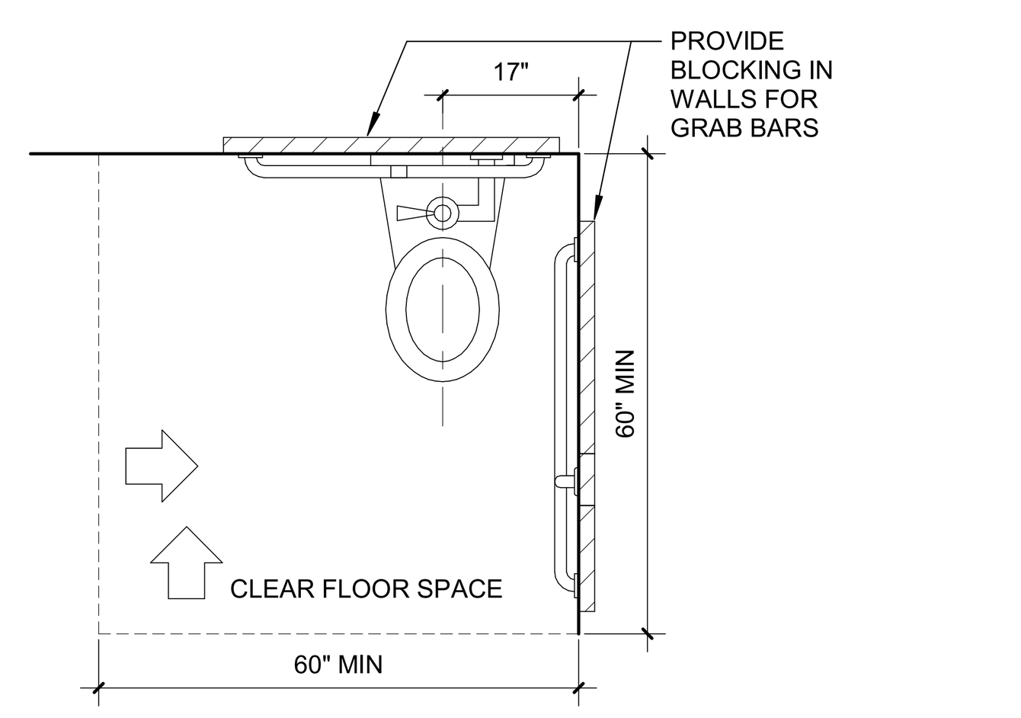
ADA LAVATORY-PLAN

1/2" = 1'-0"



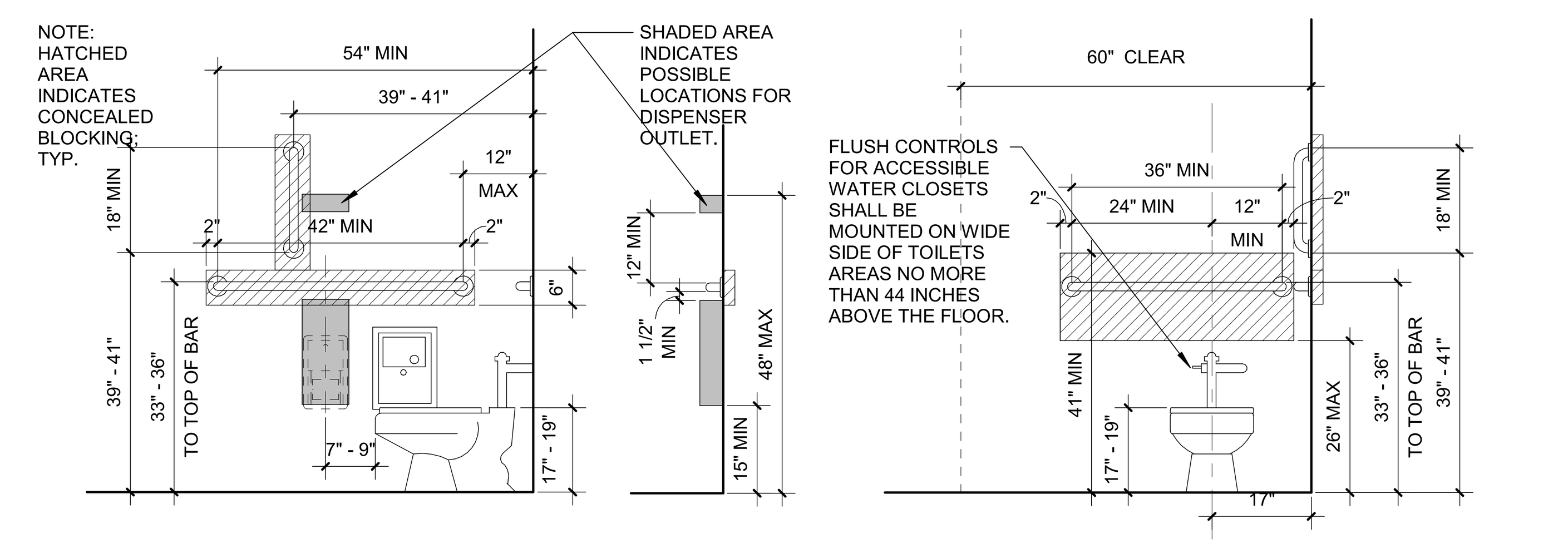
LAVATORY-ELEVATION

1/2" = 1'-0"



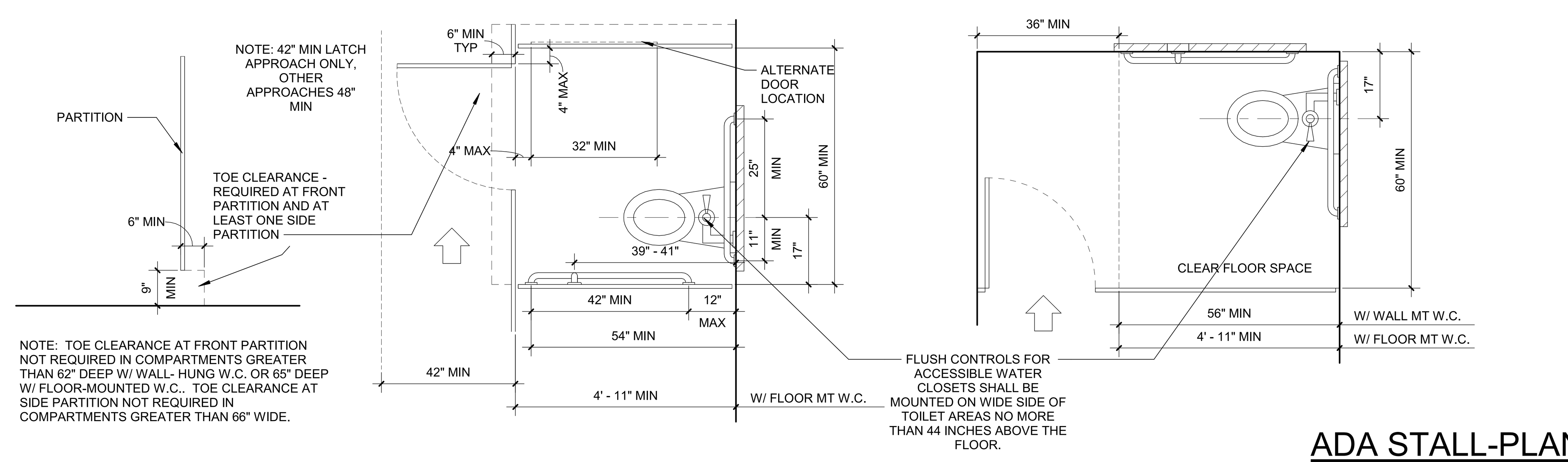
ADA W.C.-PLAN

1/2" = 1'-0"



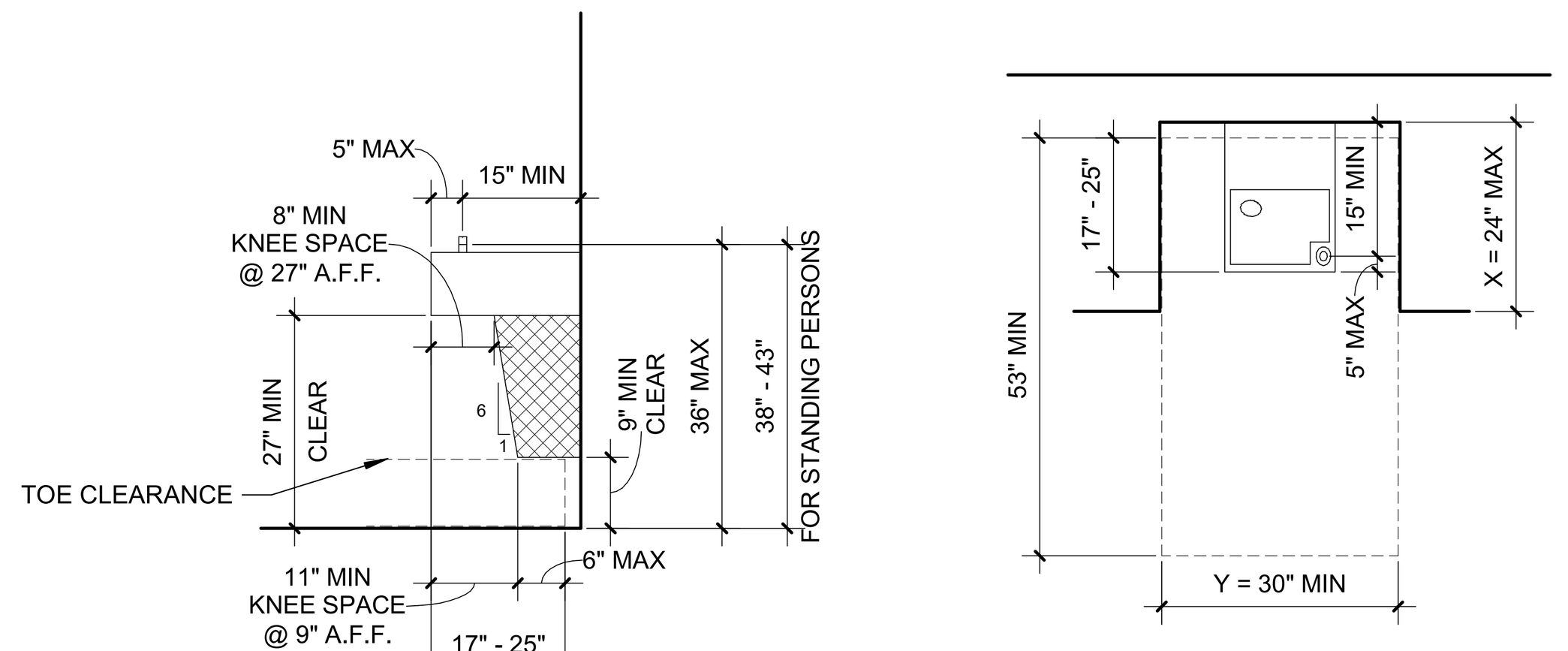
ADA W.C.-ELEVATIONS

1/2" = 1'-0"



ADA STALL-PLAN

1/2" = 1'-0"



NOTE: IF X > 24" THEN Y SHALL BE 36" MIN.

NOTE: EQUIPMENT PERMITTED IN SHADED AREA, ADAAG 303.6.4

NOTE: ANY PROTRUSION HIGHER THAN 27" ABOVE FINISH FLOOR SHALL NOT PROJECT INTO A CORRIDOR OR PATH MORE THAN 4"

DRINKING FOUNTAIN

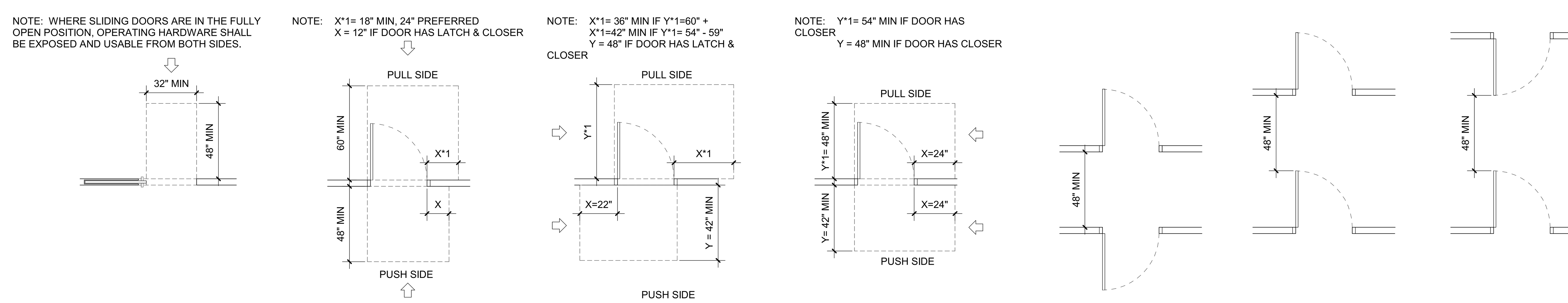
1/2" = 1'-0"

NOTE: WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

NOTE: X*1= 18" MIN, 24" PREFERRED
X = 12" IF DOOR HAS LATCH & CLOSER

NOTE: X*1= 36" MIN IF Y*1=60" +
X*1=42" MIN IF Y*1= 54" - 59"
Y = 48" IF DOOR HAS LATCH & CLOSER

NOTE: Y*1= 54" MIN IF DOOR HAS CLOSER
Y = 48" MIN IF DOOR HAS CLOSER



DOOR CLEARANCES

1/4" = 1'-0"

GENERAL NOTES

1. GENERAL NOTES SHALL APPLY EQUALLY TO THE FULL SET OF DOCUMENTS, INCLUDING CHANGES APPROVED BY THE OWNER DURING THE COURSE OF THE WORK.
2. DRAWINGS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS NECESSARY TO SUIT JOB CONDITIONS SHALL BE INCLUDED AS PART OF THE WORK.
3. ARCHITECTURAL FLOOR PLAN DIMENSIONS ARE TO FACE OF CONCRETE, FACE OF MASONRY, FACE OF STUD OR COLUMN LINE, UNO. MASONRY DIMENSIONS ARE NOMINAL, UNO. "CLEAR" DENOTES MINIMUM FINISH TO FINISH DIMENSION.
4. DO NOT SCALE DRAWINGS; DIMENSIONS SHALL GOVERN.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. REPORT ANY DISCREPANCIES TO ARCHITECT IN WRITING PRIOR TO BEGINNING WORK IN AFFECTED AREAS.
6. CONTRACTOR TO VERIFY ALL EXISTING SYSTEMS CURRENTLY INSTALLED IN THE CONSTRUCTION AREA. ALL DEVICES TO REMAIN SHALL BE CHECKED AND IN WORKING CONDITION WHEN PROJECT IS COMPLETE.
7. CONTRACTOR SHALL EMPLOY ANY/ALL REASONABLE MEANS TO CONTAIN DUST, DEBRIS, AND NOISE DUE TO DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR TO MAINTAIN NEGATIVE PRESSURE WITH HEPA FILTERS PER INFECTION CONTROL CRITERIA. PROVIDE BALL-IN-WALL FOR NEGATIVE TRACKING. REFER TO DIVISION 01 IN PROJECT MANUAL.
8. CONTRACTOR SHALL COMPLY WITH OWNER'S INFECTION CONTROL RISK ASSESSMENT (ICRA) AND REQUIREMENTS FOR MITIGATION. INFECTION CONTROL BARRIER (HARD BARRIER) SURROUNDING AREAS OF WORK, SUBJECT TO APPROVAL BY IC ON CASE BY CASE.
9. "ALIGN" AS USED THOUGHOUT THESE DOCUMENTS IS UNDERSTOOD TO MEAN FINISH SURFACE OF NEW CONSTRCUITON SHALL MEET FINISH SURFACE OE EXISTING CONSTRCUTION IN A NEAT AND SMOOTH MANNER, PROVIDING A FLUSH, FINISHABLE SURFACE
10. REFER TO MEP, STRCUTURAL, & VENDOR DRAWINGS FOR ADDITIONAL INFORMATION AND WORK.
11. ALL WALLS SHOWN AS INFILL IN EXISTING WALLS OR SHOWN FLUSH WITH EXISTING WALL SURFACES ARE TO BE THE SAME WIDTH AS EXISTING WALL AND ALIGN FLUSH WITH BOTH FACES OF SAID WALL. NOTIFY ARCHITECT OF ANY POTENTIAL DISCREPANCIES PRIOR TO BEGINNING OF WORK.
12. NO SMOKING OR CHEWING TOBACCO USE WILL BE PERMITTED ANYWHERE IN THE CONSTRUCTION SITEOR ON THE HOSPITAL CAMPUS.
13. FINISH EXPOSED STUD INTERIOR FACES OF EXISTING EXTERIOR WALLS WHERE FINISH HAS BEEN DEMOLISHED WITH 5/8" TYPE "X" GYP. BD., U.N.O.
14. THE NOTES AND SYMBOLS SET DOWN ON THESE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED..
15. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND VENDOR DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO INSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHOULD REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. IF DISCREPANCIES OCCUR, CONTACT THE ARCHITECT THRU THE GENERAL CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING.
16. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
17. ALL WORK MUST BE COORDINATED WITH THE OWNER TO MAINTAIN OPERATION OF THE EXISTING HOSPITAL & OTHER TENANT SUITES.
18. TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND SHALL NOT LIMIT THE WORK REQUIRED IN ANY WAY.
19. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE WORK OF OTHERS. THEY SHALL KEEP THEMSELVES INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING THEIR WORK WITH THAT OF OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
20. EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
21. EACH CONTRACTOR AND/OR TRADE FITTING OR OTHERS COMPLETES WORK WITH THE UNDERSTANDING THAT THE INSTALLATION OF THE WORK CONSTITUTES THEIR ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, THEY SHALL NOTIFY THE GENERAL CONTRACTOR AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN/OVER UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN/OVER UNSUITABLE EXISTING WORK WILL BE APPROVED.
22. ANY STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, PLUMBING, OR VENDOR INFORMATION INDICATED ON ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE INDICATED.
23. IN THE EVENT THAT HAZARDOUS MATERIAL(S), INCLUDING BUT NOT LIMITED TO ASBESTOS, ARE DISCOVERED OR ARE SUSPECTED OF BEING PRESENT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO BEGINNING WORK IN THE AFFECTED AREA.
24. ALL TEMPORARY PARTITIONS CONSTRUCTED DURING THE PROJECT SHALL BE FULL HEIGHT WALLS EXTENDING FROM FLOOR TO UNDERSIDE OF DECK ABOVE, APPROPRIATELY SEALED TO PREVENT THE SPREADING OF DUST, NOISE AND CONTAMINATES. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. REFER TO DIVISION 01 IN PROJECT MANUAL
25. CONTRACTOR TO PICK UP AND DROP OFF PRE-APPROVED WORK PERMIT FROM HOSPITAL ON A DAILY BASIS AS DESCRIBED IN THE TERMS AND CONDITIONS. REFER TO DIVISION 01 IN PROJECT MANUAL.

29 CONTRACTOR SHALL MAINTAIN A CLEAN AND CONTROLLED CONSTRUCTION AREA TO THE BUILDING AND SUITE. DEBRIS SHALL BE REMOVED VIA COVERED CART. STICKY MATS OR WETTED WALK OFF MATTS SHALL BE USED AT ENTRY DOORS - CHANGE REGULARLY. REFER TO DIVISION 01 IN PROJECT MANUAL

30 CONTRACTOR SHALL MAINTAIN A NEGATIVE AIR PRESSURE RELATIONSHIP TO ALL ADJACENT SPACES/TENANTS. USE HEPA FILTERED AIR DEVICES TO EXHAUST AIR TO THE OUTSIDE OF THE BUILDING. REFER TO DIVISION 01 IN PROJECT MANUAL.

31. 1 1/2" RADIUS OUTSIDE CORNERS ON COUNTERTOPS, TYPICAL.
32. PROVDE AND INSTALL ONE GROMMET IN EACH COUNTERTOP WHEN AN OUTLET IS LOCATED BELOW THE COUNTER. EXACT GROMMET LOCATION TO BE SPECIFIED BY THE OWNER IN THE FIELD.

ACCESSIBILITY GENERAL NOTES

A. REFERENCED STANDARD(S) PROJECT SHALL COMPLY WITH ADA 2010 AND ANSI 117.
B. DIMENSIONS ON THIS SHEET ARE TO FINISH FACE OF WALLS AND CEILINGS

NOTE:
NO WOOD BLOCKING WILL BE PERMITTED IN CONSTRUCTION. PROVIDE 16 GA. STRAP OR CHANNELS WITHIN ALL WALLS.

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

G001

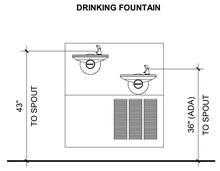
ADA TYP. & GENERAL SCHEDULES

BID DOCUMENTS

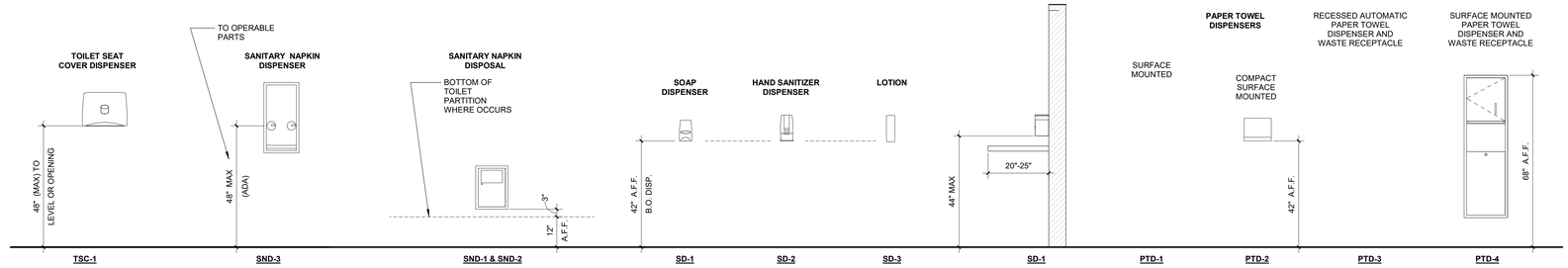
Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

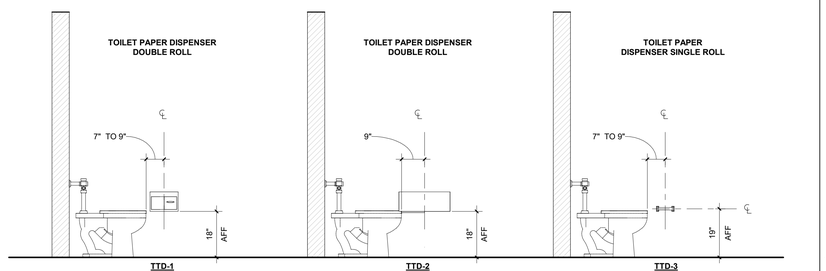
MU Project Number: CP210701



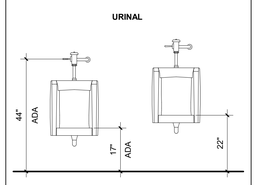
DRINKING FOUNTAIN
1/2" = 1'-0"



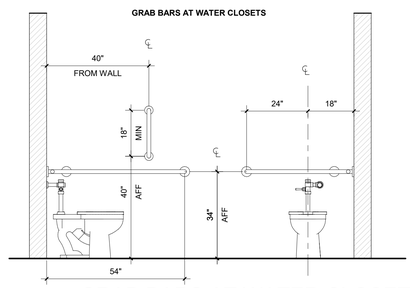
DISPENSERS/DISPOSALS
1/2" = 1'-0"



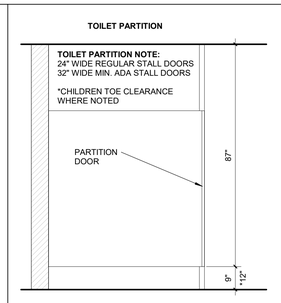
TOILET PAPER DISPENSERS
1/2" = 1'-0"



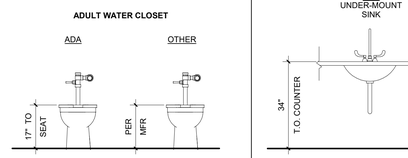
URINAL
1/2" = 1'-0"



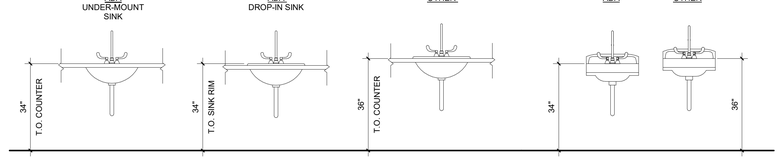
GRAB BARS AT WATER CLOSETS
1/2" = 1'-0"



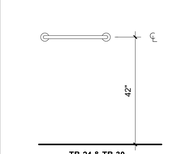
TOILET PARTITION
1/2" = 1'-0"



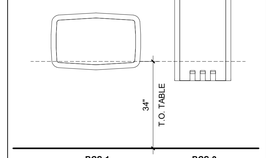
ADULT WATER CLOSET
1/2" = 1'-0"



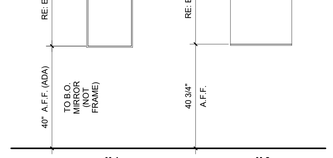
LAVATORY
1/2" = 1'-0"



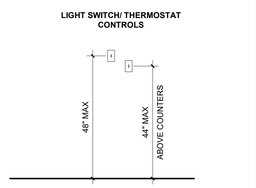
TOWEL BAR
1/2" = 1'-0"



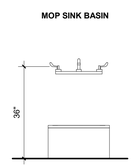
CHANGING STATION
1/2" = 1'-0"



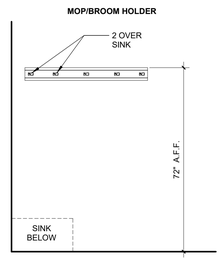
MIRRORS
1/2" = 1'-0"



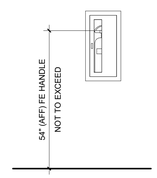
LIGHT SWITCH/ THERMOSTAT CONTROLS
1/2" = 1'-0"



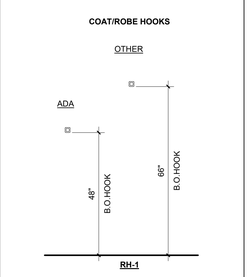
MOP SINK BASIN
1/2" = 1'-0"



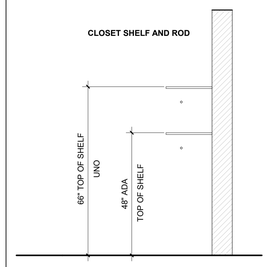
MOP/BROOM HOLDER
1/2" = 1'-0"



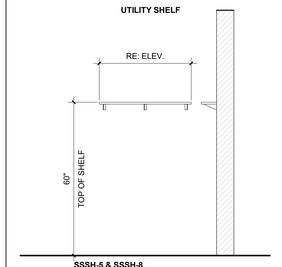
FIRE EXTINGUISHER CABINET
1/2" = 1'-0"



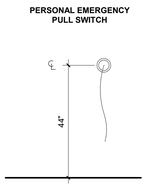
COAT/ROBE HOOKS
1/2" = 1'-0"



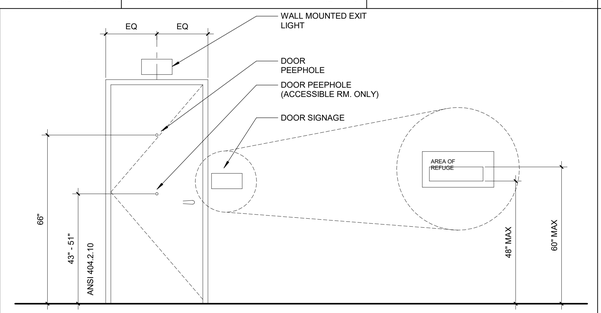
CLOSET SHELF AND ROD
1/2" = 1'-0"



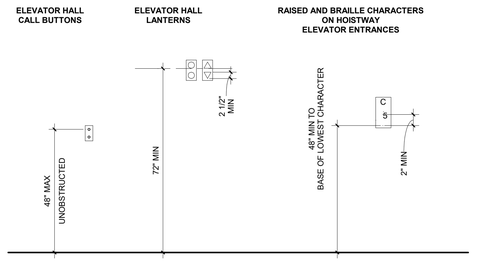
UTILITY SHELF
1/2" = 1'-0"



PERSONAL EMERGENCY PULL SWITCH
1/2" = 1'-0"



DOOR ACCESSORIES
1/2" = 1'-0"



ELEVATOR BUTTONS
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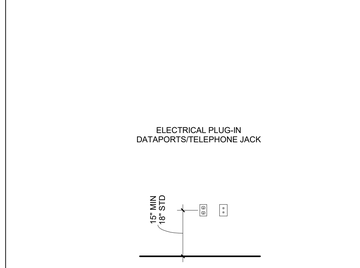

ELEC/DATAPORTS/PHONE JACK
1/2" = 1'-0"

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

G002

TYPICAL MOUNTING HEIGHTS

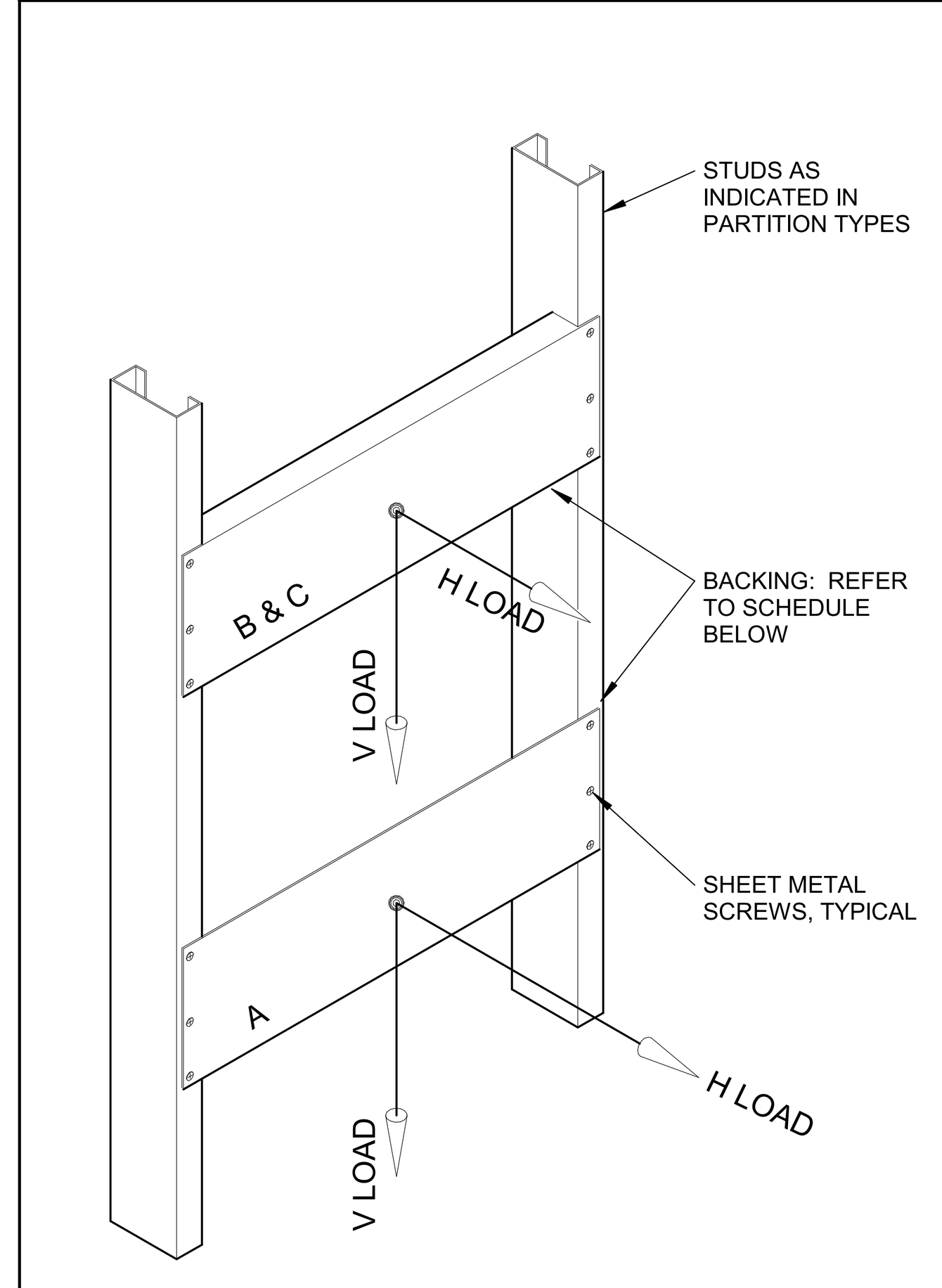
BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

BACKING PLATE DETAIL:



BACKING PLATE SCHEDULE

CONDITION		A	B	C
MAX LOADS IN LBS	H	10	100	270
	V	100	490	760
MINIMUM STUD GAUGE		20	20	16
BACKING DESCRIPTION		6" HIGH SHT MTL X 16 GA	6" MTL STUD X 16 GA	6" MTL STUD X 14 GA
SHT MTL SCREW SIZE		#10	#10	#10

1. PROVIDE BACKING PLATE AT ALL TOILET ACCESSORIES AND WALL MOUNTED EQUIPMENT. PROVIDE TYPE OF BACKING BASED ON SIZE AND WEIGHT OF MOUNTED ITEM, INCLUDE ANTICIPATED IMPOSED LOAD ON ITEM (IE GRAB BARS AND CABINETS).
2. EXTEND BACKING PLATE TO NEXT STUDS BEYOND SIDES OF MOUNTED ITEM.
3. PROVIDE METAL SLEEVES THROUGH GYPSUM BOARD AND WALL FINISH AT FIXTURE AND EQUIPMENT FASTENING.
4. MAXIMUM LOADS SHOWN ARE MAXIMUM ALLOWABLE LOADS FOR THE DIRECTION SHOWN FOR EACH CONDITION.

PARTITION NOTES:

A. STUD SPACING IS 16 INCHES ON CENTER MAX.
B. REFER TO THE ARCHITECTURAL FLOOR PLANS (A100 SHEETS)
C. REFER TO THE DASHED LINES ON THE LIFE SAFETY PLANS (G101) FOR THE FIRE RATING LOCATIONS. PARTITIONS MUST CONFORM TO TESTED, RATED ASSEMBLIES WHEN THEY ARE INDICATED TO BE RATED ON THE ARCHITECTURAL LIFE SAFETY PLANS. WHEN NO RATING IS INDICATED, CONSTRUCT THE PARTITION PER THE INDICATED TYPE AS A NON-RATED ASSEMBLY.
D. LABEL FIRE AND SMOKE WALLS AS FOLLOWS: LABEL BOTH SIDES; LABEL ALL SECTIONS; USE 4" HIGH STENCILS; USE FLUORESCENT ORANGE PAINT; LOCATE ABOUT 12" ABOVE THE FINISHED CEILING; SPACE STENCILS 10 FEET OC MAX; SPECIFIC LABELS TO READ "1HR", "2HR", "1HR SMOKE", "2HR SMOKE", "SMOKE", ETC AS IDENTIFIED IN THE LIFE SAFETY PLANS.
E. PROVIDE STENCIL WITH THE LABEL "SOUND" AS DESCRIBED IN NOTE 3 ON ALL SOUND RATED WALLS IDENTIFIED BY A "#" SUFFIX AND THAT GO TO STRUCTURE.
F. PROVIDE FIRE STOP & SMOKE STOP SYSTEMS PER SPECIFICATION AT ALL PENETRATIONS & OPENINGS (INCLUDING THE PERIMETER) THROUGH FIRE RATED WALLS.
G. SEAL ALL PENETRATIONS & OPENINGS (INCLUDING THE PERIMETER)PER SPECIFICATIONS IN ALL SOUND RATED WALLS INDICATED BY A "#" SUFFIX.
H. THE PARTITION TYPES INDICATE THE BASIC WALL CONSTRUCTION ONLY. REFER TO ALL OF THE CONSTRUCTION DOCUMENTS FOR OTHER REQUIREMENTS INCLUDING: MECHANICAL, ELECTRICAL, PLUMBING, BLOCKING & BACKING, WALL BASE, WALL FINISH, AND RECESSED & SURFACE MOUNTED EQUIPMENT.
I. PROVIDE TESTED, RATED ASSEMBLIES AT THE TOP OF ALL PARTITIONS INDICATED TO BE FIRE OR SMOKE RATED THAT EXTEND TO THE BOTTOM OF STRUCTURE OR DECK ABOVE. ALL ASSEMBLIES SHALL BE TESTED BY UNDERWRITERS LABORATORY OR OTHER TESTING FACILITY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. PROVIDE A FIRE AND SMOKE RATING CONSISTENT WITH THE PARTITION. THE ASSEMBLY SHALL ALLOW VERTICAL MOVEMENT PER THE SLIP SPACE SCHEDULE.
J. WHEN WALLS CONTINUE PAST INTERMEDIATE STRUCTURE, FOR EXAMPLE IN MULTI-STORY STAIR ENCLOSURES, ATTACHMENT TO INTERMEDIATE STRUCTURE SHALL BE WITH A SLOTTED CONNECTION OR OTHER MEANS SO THAT STRUCTURAL DEFLECTION WILL NOT TRANSFER LOADS TO WALL FRAMING.
K. WHERE METAL DECK ASSEMBLIES AND FIRE RATED WALLS MEET, THE CONTRACTOR MAY INSTALL FIRE RATED MINERAL BATT INSULATION WITH FIRE CAULKING OR USE THE HEAD OF DETAIL SHOWN BELOW THE SLIP SPACE SCHEDULE ON THIS SHEET TO COMPLETE THE UL LISTED ASSEMBLY.

STATE OF MISSOURI
ROBERT MARVIN KOENIG
NUMBER
ARCHITECT
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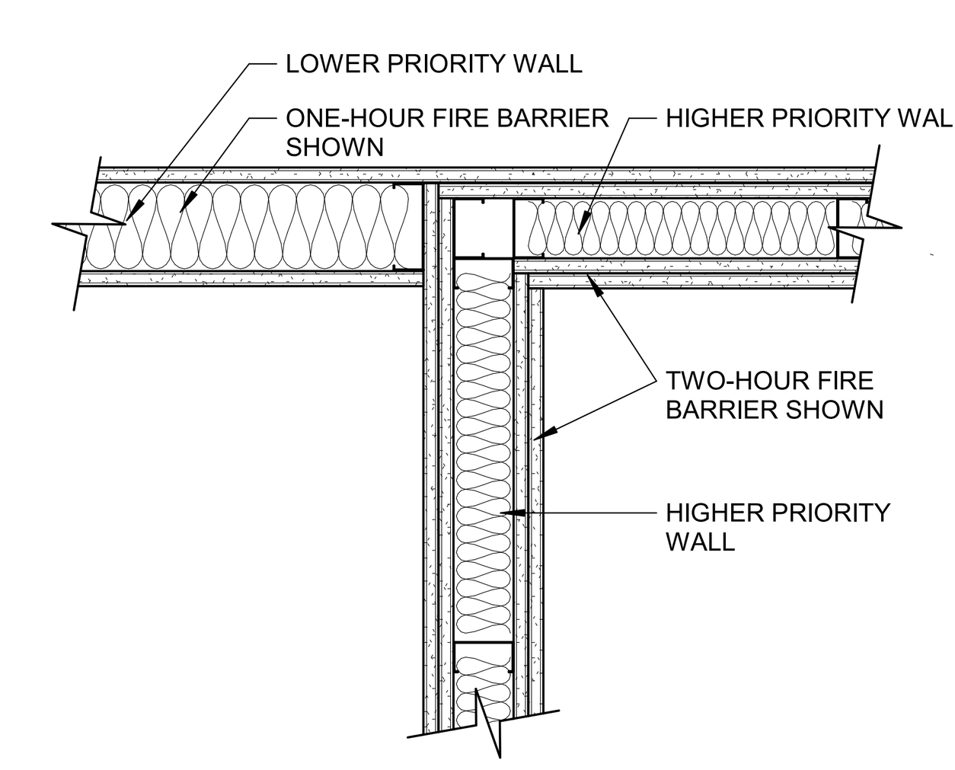
WALL SCHEDULE							
TYPE	DIM.	GYP. BD.	FIRE RATING	SOUND BATT	UL NO	STC(SOUND)	NOTES
A3	4 7/8"	5/8"		-			
A3A	4 7/8"	5/8"		Y		46	
A3F	4 7/8"	5/8"	1 HOUR	Y	465	46	
A3S	4 7/8"	5/8"	SMOKE	Y	494	46	NGC 2018106
E3	4 1/4"	5/8"		Y		34	
F0	1 1/2"	5/8"					
F2	3 1/8"						
F3	4 1/4"	5/8"					
H2	3 1/8"	5/8"	1 HOUR		499	34	NGC 2001001

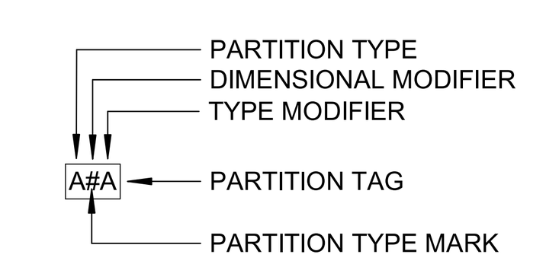


WALL PRIORITY LEGEND

FOUR-HOUR FIRE WALL	PRIORITY 1	HIGHEST
THREE-HOUR FIRE WALL	PRIORITY 2	
TWO-HOUR FIRE WALL	PRIORITY 3	
FOUR-HOUR FIRE & SMOKE BARRIER	PRIORITY 4	
FOUR-HOUR FIRE BARRIER	PRIORITY 5	
THREE-HOUR FIRE & SMOKE BARRIER	PRIORITY 6	
THREE-HOUR FIRE BARRIER	PRIORITY 7	
TWO-HOUR FIRE & SMOKE BARRIER	PRIORITY 8	
TWO-HOUR FIRE BARRIER	PRIORITY 9	
ONE-HOUR FIRE & SMOKE BARRIER	PRIORITY 10	
ONE-HOUR FIRE BARRIER	PRIORITY 11	
NON-RATED SMOKE PARTITION	PRIORITY 12	
NON-RATED PARTITION	PRIORITY 13	LOWEST

NOTE: ALL PARITION TYPES INDICATED MAY-NOT BE USED. REFER TO THE PLANS FOR ADDITIONAL INFORMATION

NOTE: WHEN WALL PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION TAKES PRECEDENT. MAINTAIN RATING BEHIND FIRE EXTINGUISHER CABINETS, FIRE HOSE CABINETS, ETC...



PARTITION TYPE:

A. MTL STUD, SGL LAYER OF GYP BD, BS - TO ROOF OR BOTTOM OF DECK
B. MTL STUD, SGL LAYER OF GYP BD, BS - 4" ABV CLG
C. MTL STUD, SGL LAYER OF GYP BD, BS - PARTIAL HEIGHT
D. MTL STUD, DBL LAYER OF GYP BD, BS
E. MTL STUD, SGL LAYER OF GYP BD, SGL SIDE - TO ROOF OR BOTTOM OF DECK
F. MTL STUD, SGL LAYER OF GYP BD, SGL SIDE - 6" ABOVE CLG
G. MTL FURRING, SGL LAYER OF GYP BD
H. SHAFT WALL
J. CMU

DIMENSONAL MODIFIER

MTL STUD
0 - 7/8"
1 - 1 5/8"
2 - 2 1/2"
3 - 3 5/8"
4 - 4"
5 - 5"
6 - 6"

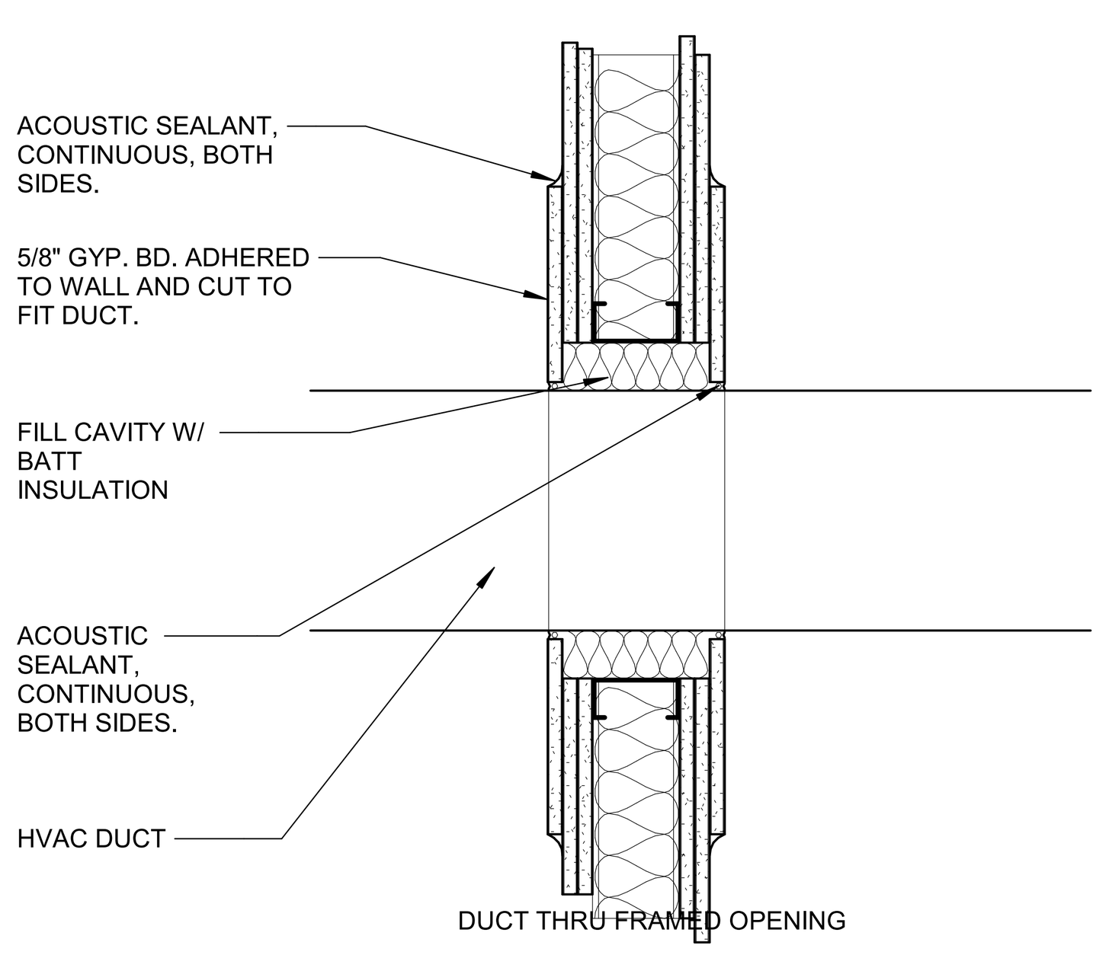
SHAFT WALL
2 - 2 1/2" SHAFT WALL FRAMING
4 - 4" SHAFT WALL FRAMING
6 - 6" SHAFT WALL FRAMING

CMU
1 - 9 5/8"
2 - 11 5/8"
4 - 3 5/8"
6 - 5 5/8"
8 - 7 5/8"

WOOD
4 - 2X4
6 - 2X6
8 - 2X8

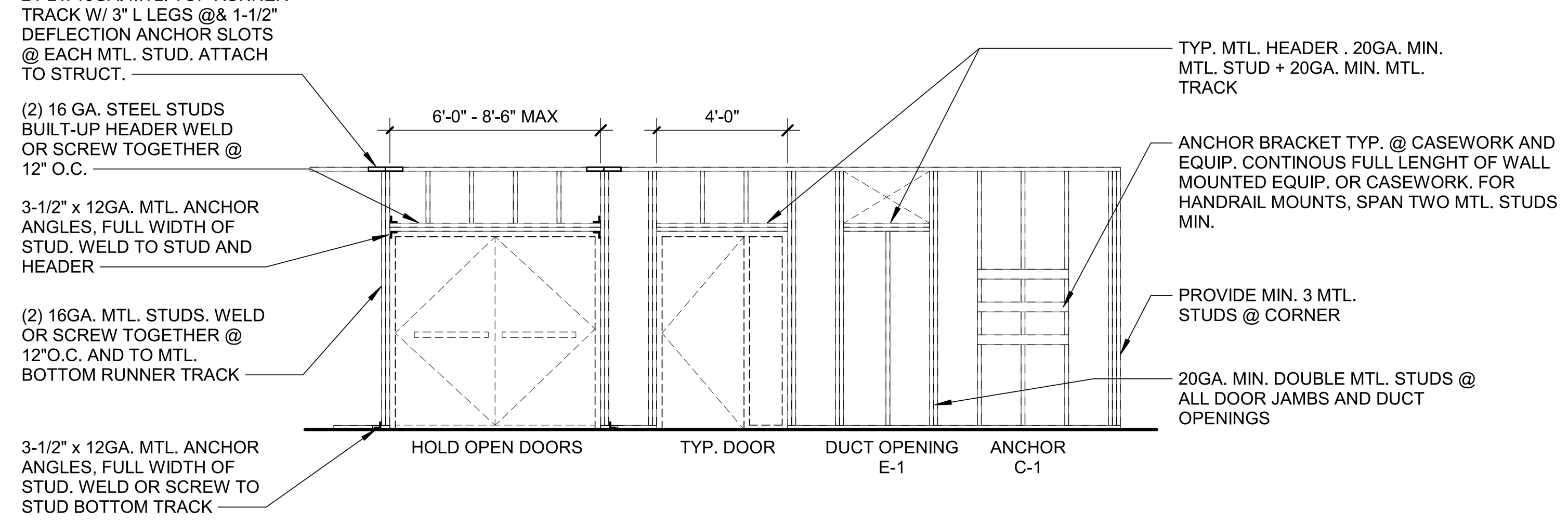
TYPE MODIFIER:

HEALTHCARE
A. ACOUSTIC
F. FIRE BARRIER
L. LEAD
M. BARRIER MESH
P. SMOKE PARTITION
R. FIRE PARTITION
S. SMOKE BARRIER
W. FIRE WALL



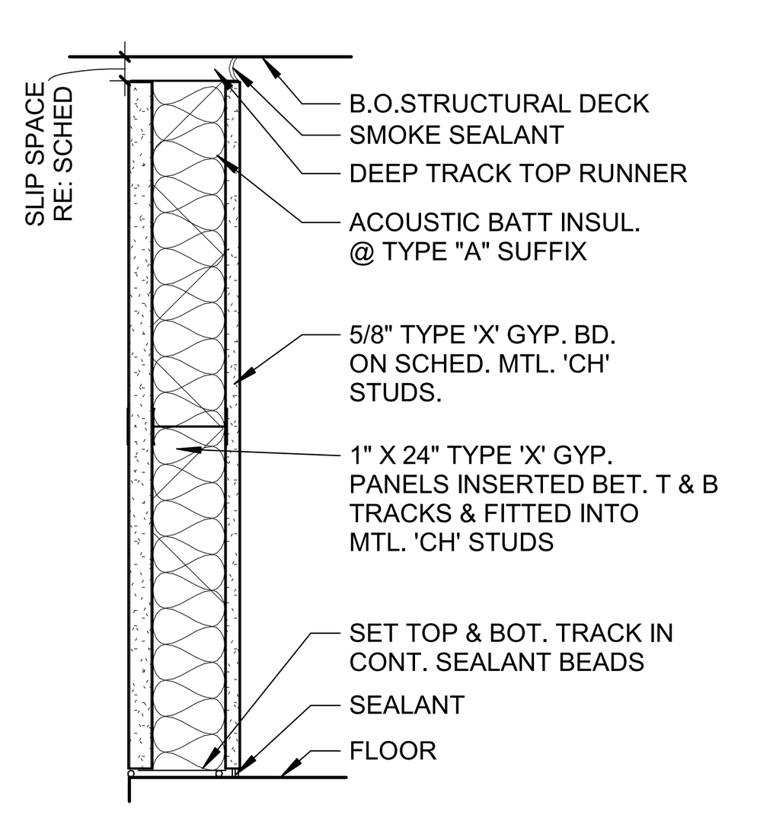
DUCT THROUGH PARTITION A6

1 1/2" = 1'-0"



TYP. METAL STUD FRAMING ELEVATION A3

1/4" = 1'-0"



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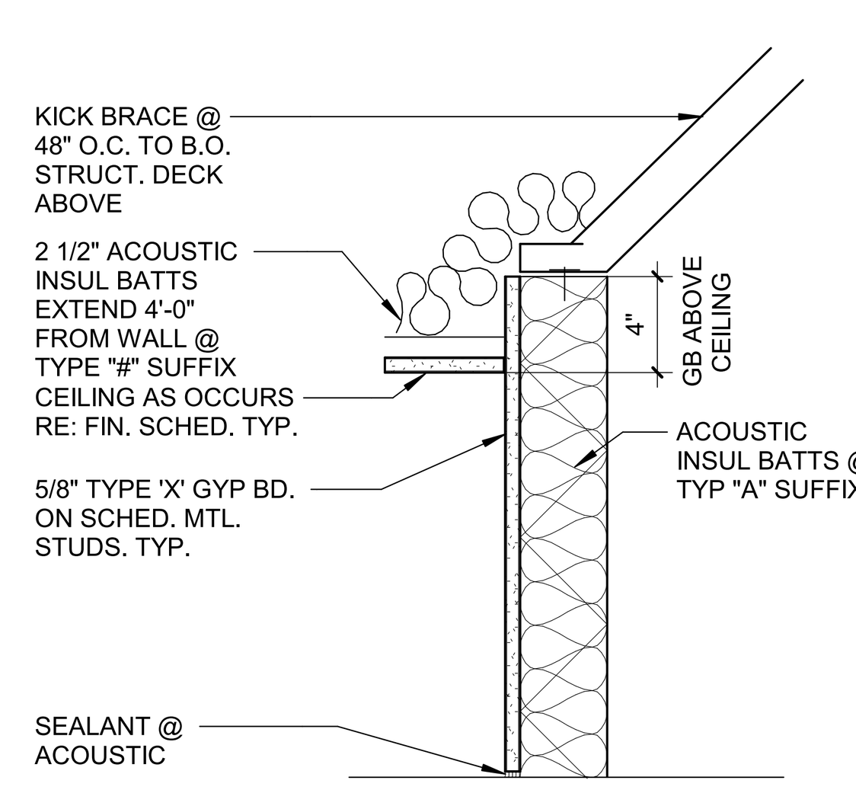

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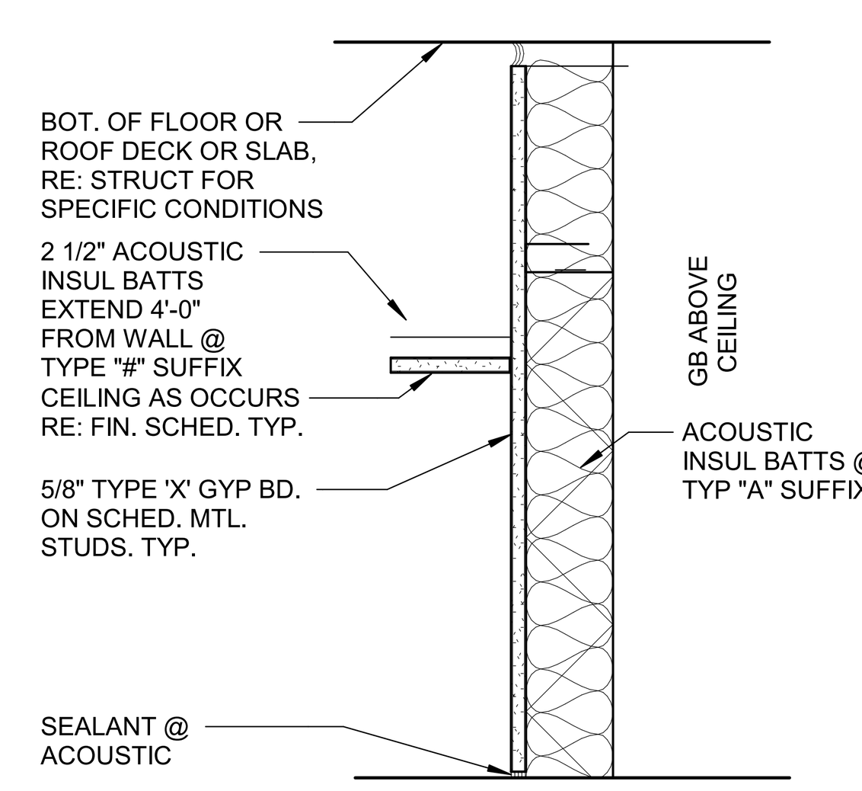

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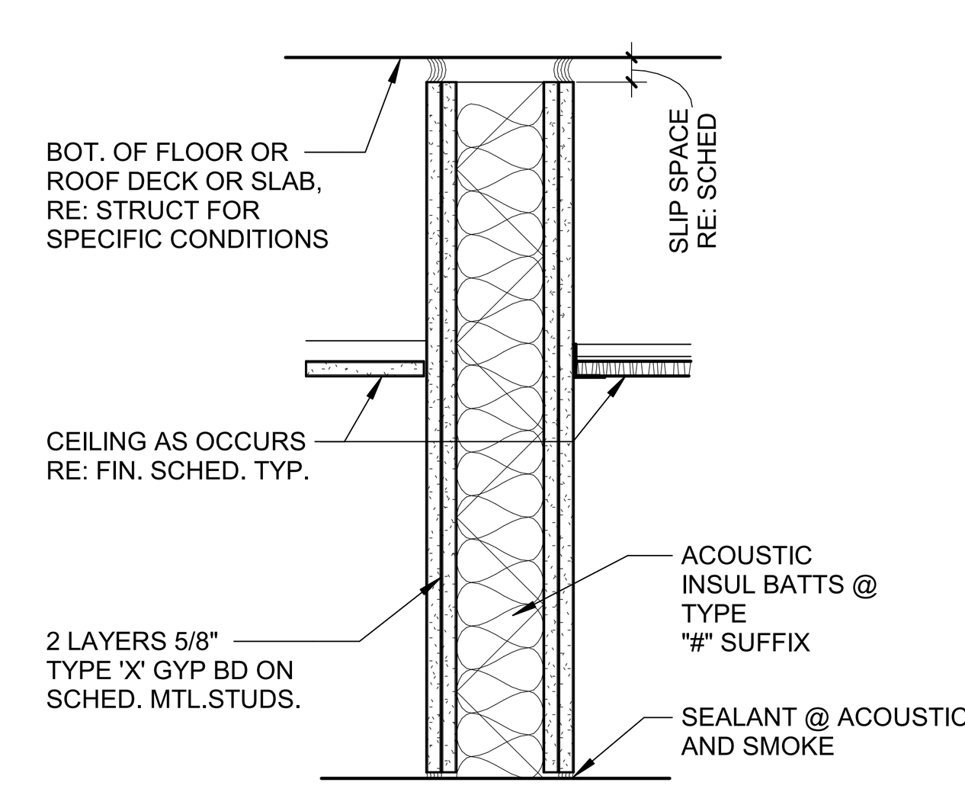

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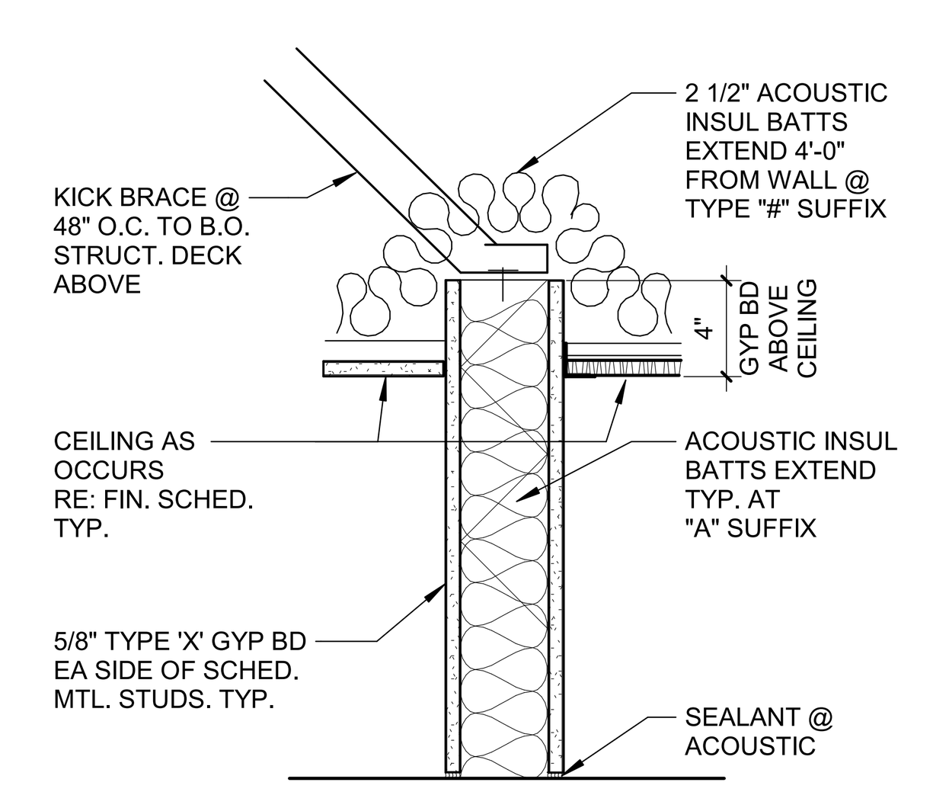

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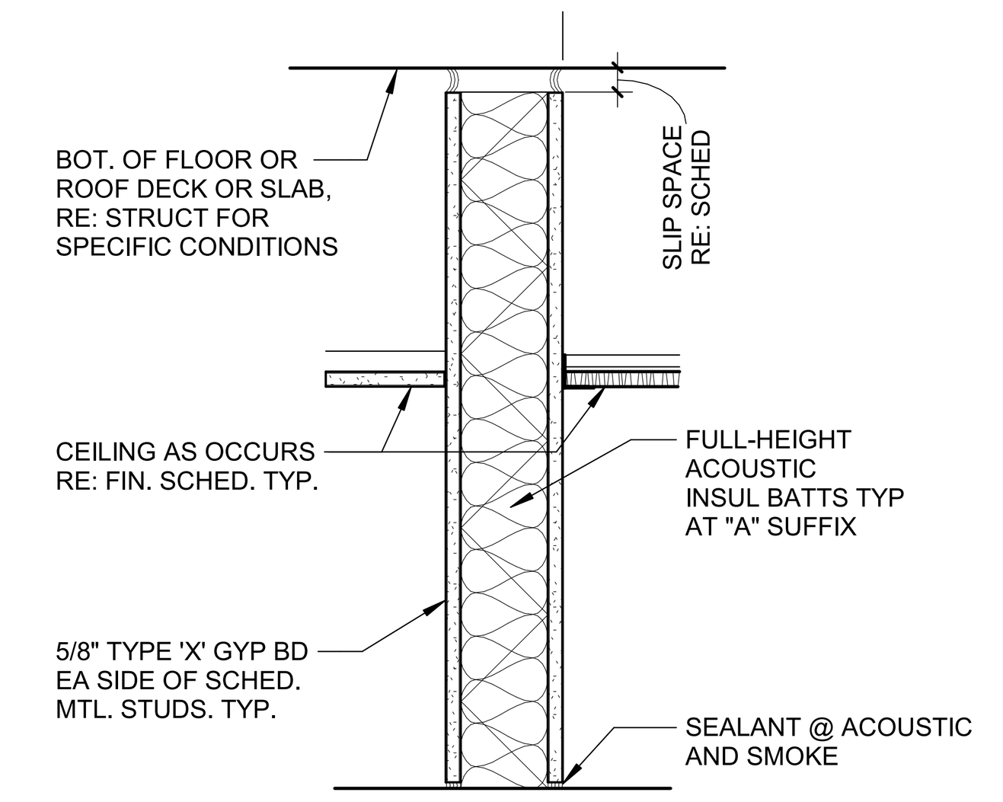

A##

PARTITION TYPES A1

UNIVERSITY OF MISSOURI TEACHING HOSPITAL
FITOUT SPACE 2W
1 HOSPITAL DRIVE, COLUMBIA, MO 65212

REVISIONS *RE-ISSUED IN ENTIRETY 08/10/21*		
NO	DESCRIPTION	DATE

G003

PARTITION DETAILS AND NOTES

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

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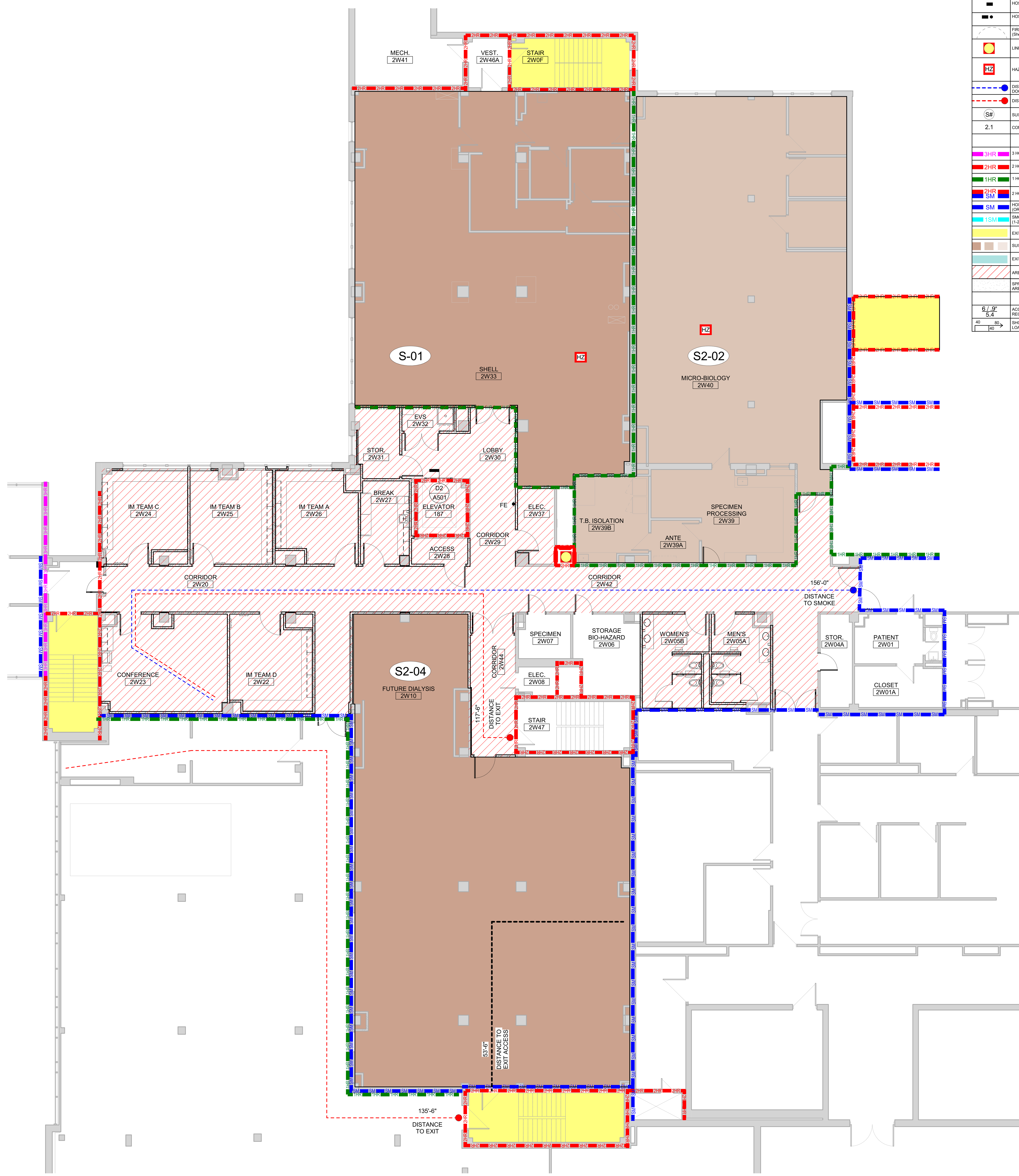

2ND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

A1

CODE PLAN LEGEND

SYMBOL	DESCRIPTION	PROTECTIVE ELEMENTS
	EXIT - EXTERIOR	
	EXIT - INTERIOR (Assembly occ. over 50 and exits from floors.)	
FE	FIRE EXTINGUISHER	
	HOSE CABINET	
	HOSE CABINET WITH EXTINGUISHER	
	FIRE EXTINGUISHER SPACING (Show radius)	
	LINEN / TRASH SHUTE	
HZ	HAZARDOUS AREA	
	DISTANCE TO SMOKE BARRIER DOOR	
	DISTANCE TO EXIT	
S#	SUITE ID	
2.1	COMPARTMENT ID	
3HR	3 HOUR FIRE BARRIER	3 hour Fire Barrier wall construction. 3-hour rated door assembly. Fire Dampers.
2HR	2 HOUR FIRE BARRIER	2 hour Fire Barrier wall construction. 1 1/2 hour rated door assembly. Fire Dampers
1HR	1 HOUR FIRE BARRIER	1 hour Fire Barrier wall construction. 3/4-hour rated door assembly. Fire Dampers. (edit f.d. requirement for sprinklered buildings)
2HR SM	2 HOUR FIRE SMOKE BARRIER	
SM	HOSPITAL CORRIDOR WALL (OR SMOKE PARTITION)	Partition built to limit the passage of smoke. Smoke damper is not required.
1SM	SMOKE BARRIERS (1-2 and 2-3 occupancies)	1 hour resistive rated walls. 20-minute rated door assembly. Smoke Damper. At perimeter of smoke compartments.
	EXIT STAIRWELL	2 hour Fire Barrier wall construction. No openings other than req'd exit doors. 1 1/2-hour door assembly.
	SUITES	
	EXIT DISCHARGE PASSAGEWAY	
	AREA UNDER CONSTRUCTION	
	SPRINKLERED INCIDENTAL USE AREAS	Wall construction to resist the passage of smoke from floor to floor to F.R. floor/ceiling assembly. Self-or automatic closing doors with no air transfer grilles
6 / .9" 5.4	ACCUMULATED EXIT WIDTH AT REQUIRED EXIT (clear width)	Occupants / Required width Provided width
40 80 40	SHOW ACCUMULATED OCCUPANT LOADS FOR COMPLEX EXIT PATHS	

LIFE SAFETY GENERAL NOTES

A. ALL PENETRATIONS (NEW OR EXISTING) SHALL BE SEALED AT ALL TIMES, EXCEPT WHEN ACTIVELY WORKING WITH THE PENETRATION. EXISTING UNSEALED PENETRATIONS, ONCE ENCOUNTERED, SHALL BE SEALED IMMEDIATELY WITH THE APPROPRIATE FIRE/SMOKE STOPPING MATERIAL. COORDINATE THE SEALING METHOD, WHETHER TEMPORARY OR PERMANENT, WITH THE OWNER'S REPRESENTATIVE.

B. EXISTING EXITS MUST REMAIN ACCESSIBLE. CLEAR PATHS OF TRAVEL TO EXITS MUST BE MAINTAINED WITHIN THE CONSTRUCTION LIMITS. CONTRACTOR IS TO COORDINATE WITH OWNER'S REPRESENTATIVE TO MAINTAIN PROPER EXIT SIGNAGE THROUGHOUT CONSTRUCTION.

C. FIREWALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS SHALL BE EFFECTIVELY IDENTIFIED WITH SIPS OR STENCILING IN CONCEALED SPACES.
SUCH IDENTIFICATION SHALL:
1) BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30" MEASURED HORIZONTAL LYING ALONG THE WALL PARTITION.
2) INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT WITH A MINIMUM 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING WORDING IDENTIFYING THE BARRIER DESIGNATION AND FIRE RESISTANCE RATING.

CODE PLAN ANALYSIS

GENERAL INFORMATION

LOCATION: Teaching Hospital
University Hospital Complex
One Hospital Drive
Columbia, Missouri 65212

AGENCY INFORMATION: University of Missouri
Columbia, Missouri

REASON FOR SUBMITTAL: Infill/New Construction

AUTHORITIES HAVING JURISDICTION:
UM Director of Facilities Planning & Development, University of Missouri System

PROJECT DESCRIPTION

The renovation of a space on the second floor of the University of Missouri Teaching Hospital, approximately 4,450 SF. Physicians workrooms consisting of three conference study rooms, a large conference room and a break room. The connecting corridor, bathrooms and support spaces are also included.

APPLICABLE CODES - UNIVERSITY OF MISSOURI - HEALTH CARE PROJECTS

2018 - International Building Code
2018 - International Plumbing Code
2018 - International Mechanical Code
2018 - International Existing Building Code
(Level 1 & Level 2 Alterations only with pre-approval of AHJ)
2018 - International Fire Code
2018 - International Fuel Gas Code
2011 & 2017 - National Electric Code/NFPA 70
2010 & 2016 - NFPA 110 Emergency & Standby Power Systems
2012 - NFPA 101 Life Safety Code
2012 - NFPA 99 Standard for Health Care Facilities
2012 & 2018 - NFPA 90A Installation of AC & Ventilation Systems
2010 & 2016 - NFPA 72 National Fire Alarm Code
2014 - NFPA 51B Fire Prevention During Welding, Cutting and Other Hot Work
2011 & 2015 - NFPA 45 Fire Protection for Laboratories Using Chemicals
2016 - NFPA 20 Installation of Stationary Fire Pumps for Fire Protection
2010 & 2016 - NFPA 14 Standpipe, Private Hydrants and Hose Systems
2010 & 2016 - NFPA 13 Installation of Fire Sprinkler Systems
2016 - ASHRAE 90.1 Energy Standard for Buildings
2017 - ASHRAE 170 Ventilation of Health Care Facilities
2010 - Americans with Disabilities Act, Standards for Accessible Design
2018 - Facility Guidelines Institute

BUILDING DESCRIPTION

The existing Teaching Hospital is nine stories (with a basement), and is part of the University Hospital Complex.

BUILDING HEIGHTS AND AREAS Section 503, Table 504.3, Table 504.4, Table 506.2

Height Allowable: Unlimited **Stories Allowable:** Unlimited **Floor Area Allowable:** Unlimited

Actual Gross Square Footage (TH-W):

Ground Floor	*15,859 SF*
First Floor	*10,458 SF*
Second Floor	*16,376 SF*
Third Floor	*15,944 SF*
Fourth Floor	*13,058 SF*
Fifth Floor	*13,041 SF*
Sixth Floor	*13,304 SF*
Seventh Floor	*13,329 SF*
Eighth Floor	*13,431 SF*
Ninth Floor	*11,190 SF*
Total Building	*135,990 SF*

OCCUPANCY TYPE Section 302, 508.3.2
I-2 Institutional

CONSTRUCTION TYPE:
Construction Type I-A

Seismic Design Category: C

STRUCTURAL FIRE RATINGS	IBC	Table 601, Table 602
Exterior Non Bearing Wall:		
Fire Seperation <30 feet:	1	
Fire Seperation >30 feet:	0	
Interior Bearing Walls and Structural Frame:		
Supporting > 1 Floor:	3	
Supporting only 1 Floor:	3	
Supporting Roof only:	2	
Floor construction including supporting beams & joists:	2	
Columns:		
Supporting > 1 Floor:	3	
Supporting only 1 Floor:	3	
Supporting Roof only:	2	
Roof construction including supporting beams & joists:	1 1/2	

ACTIVE LIFE SAFETY SYSTEMS:

Fire Alarm:	Required/ Provided	Backup Power:	Required/Provided.
Remote Annunciator Panel:	Required/Provided.	Suppression-Standpipes:	Required/Provided.
Smoke Barriers:	Required/Provided: (709 & LSC 18.3.7)	Suppression-Automatic:	Required/Provided.
Exit Signs:	Required/ Provided:	Fire Extinguishers:	Required/ Provided:
Emergency Lights:	Required/ Provided:		Per NFPA 10 (max 75')

CODE LIFE SAFETY ANALYSIS

18.2.3.4 Minumum corridor width required for exit access: 8'
Exception 1: In adjunct areas not intended for the housing, treatment, or use of inpatient shall be not less than 44".

18.2.3.6 Minumum clear width of doors for means of egress from sleeping rooms , surgery etc... 41.5" minumum.

18.2.5.7.3.3 Maximum size of suite - Non sleeping less than or equal to 10,000 S.F.

18.2.5.7.3.4
(A) Travel distance within a non-sleeping suite to an exit access door shall not exceed 100 ft.
(B) Travel distance between any point in a non-sleeping suite and an exit shall not exceed 200 ft.

18.2.5.2 Maximum dead end = 30'.

18.2.6.2.2.3 Maximum travel distance between any point in sleeping room and exit access doorshall not exceed 50 ft.

18.3.6.1 Corridors shall be seperated from all other areas by partitions.
Exception 1 Spaces open to corridor shall be unlimited in area, provided that the following criteria are met.
a) The spaces are not used for patient sleeping rooms, treatment rooms, or hazardous areas.
b) The corridors onto which the the spaces open in the same smoke compartment are protected by an electrically supervised automatic smoke detection system in accordance with 18.3.4, or the smoke compartment is protected throughout with quick response sprinklers.
c) The space is directly supervised by staff, such as a nurses station.
d) The space does not obstruct access to required exits.

18.3.6.3 Corridor Doors
Per 18.3.6.3.1 Resist the passage of smoke (refer to CMS - ref. S&C-07-18 Door Gaps)
18.3.6.3.1 Gaskets not required. Clearance between the bottom of door and floor may not exceed 1"
18.3.6.3.5 Positve latching required.
18.3.6.3.11 Door closing devices not required, other than those serving required exits, smoke barriers, or enclosures of vertical openings and hazardous areas.

18.3.7.1 (3) Maximum size of each smoke compartment not to exceed 22,500 S.F.

18.3.7.1 (4) Travel distance within compartment not exceeding 200' to smoke barrier.

18.3.7.3 Smoke barrier minimum 1 hour construction.

18.3.7.6 Doors in smoke barrier minimum 20min. rating.
Minumum door width within corridor 41.5"
Doors in cross corrridor shall swing in opposite directions.
18.3.7.8 (2) Positive latching not required.

18.3.7.8 Rabbets, Bevels, or astragals shall be required at the meeting edges , and stops shall be required at the head and sides of door frames in smoke barriers. Center mullions are prohibited.

MEANS OF EGRESS

1. Occupancy load per Table 1004.1.2

2. Egress width per occupant per Table 1005.3.2 (with sprinkler system)
Vertical travel: 0.3 inches per person
Horizontal travel: 0.2 inches per person

3. Minimum number of Exits per Table 1006.3.1
Minimum stair clear width: 44 inches per 1011.2

4. Length of exit access travel, (with sprinkler system) per Table :
I-2= 200 feet per Table 1017.2
Max. common path of egress travel 75 ft
Distance between any point in a sleeping room to an exit access door < 50 ft. (407.4.2)
Movement from habitable rooms shall not require passage through more than three doors and 100 ft. maximum within the suite (125 ft w/ automatic smoke detection) (407.4.4.3)

200 feet to a Smoke Barrier per 407.5

5. Dead ends: (NFPA 101 LSC- Table A.7.6.1 fully sprinkled building)

Healthcare=	20 feet
Ambulatory HC =	50 feet
Assembly=	20 feet
Business=	50 feet
Mercantile=	20 feet
Storage=	100 feet

NOTE:
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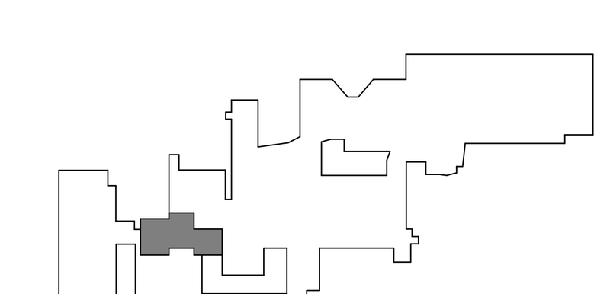

KEY PLAN

STATE OF MISSOURI
ROBERT MARVIN KOENIG
NUMBER A-6977
ARCHITECT
8-10-21

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1811 Baltimore Ave.
Kansas City, Missouri 64108
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LIFE SAFETY PLAN

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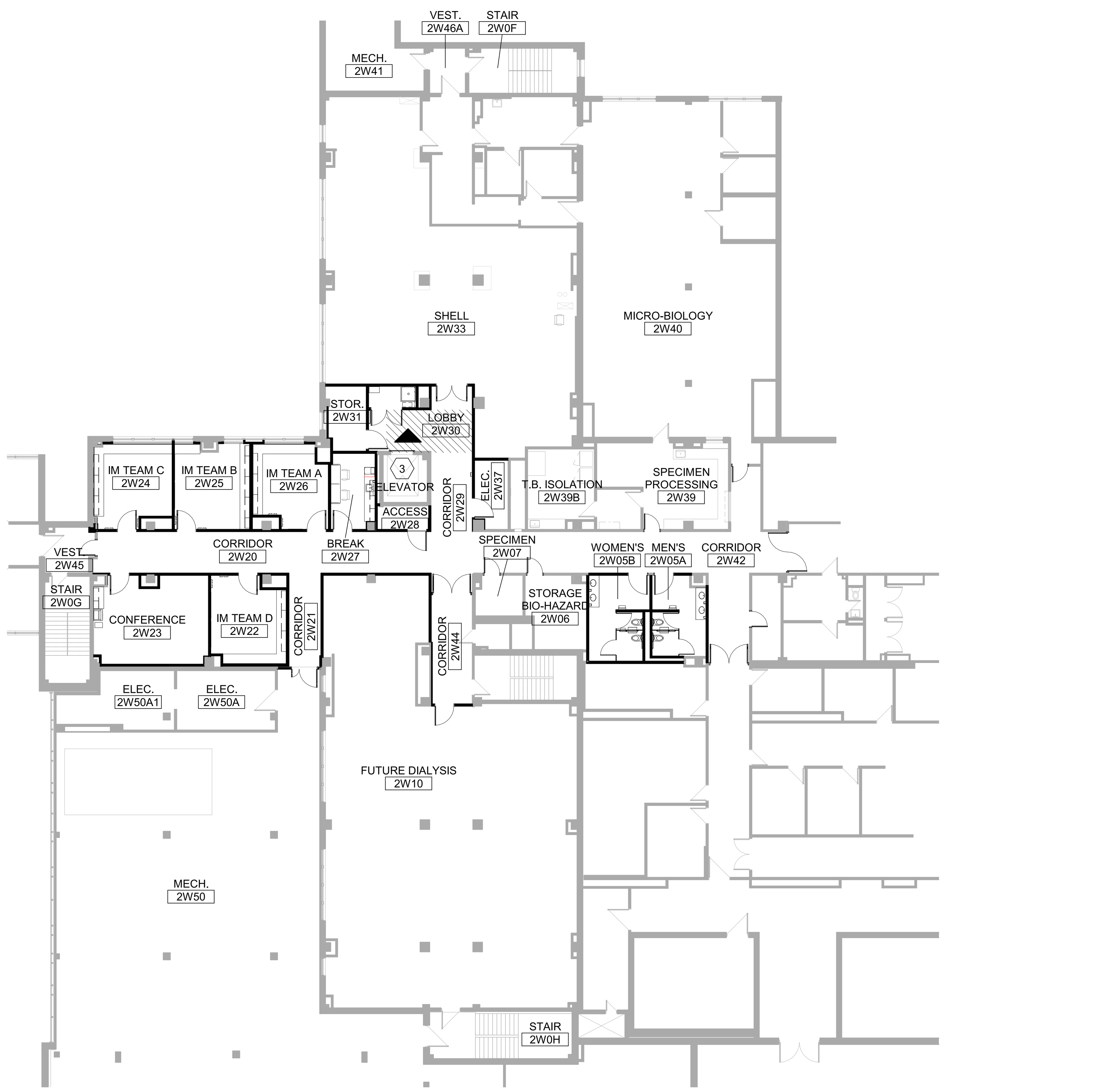
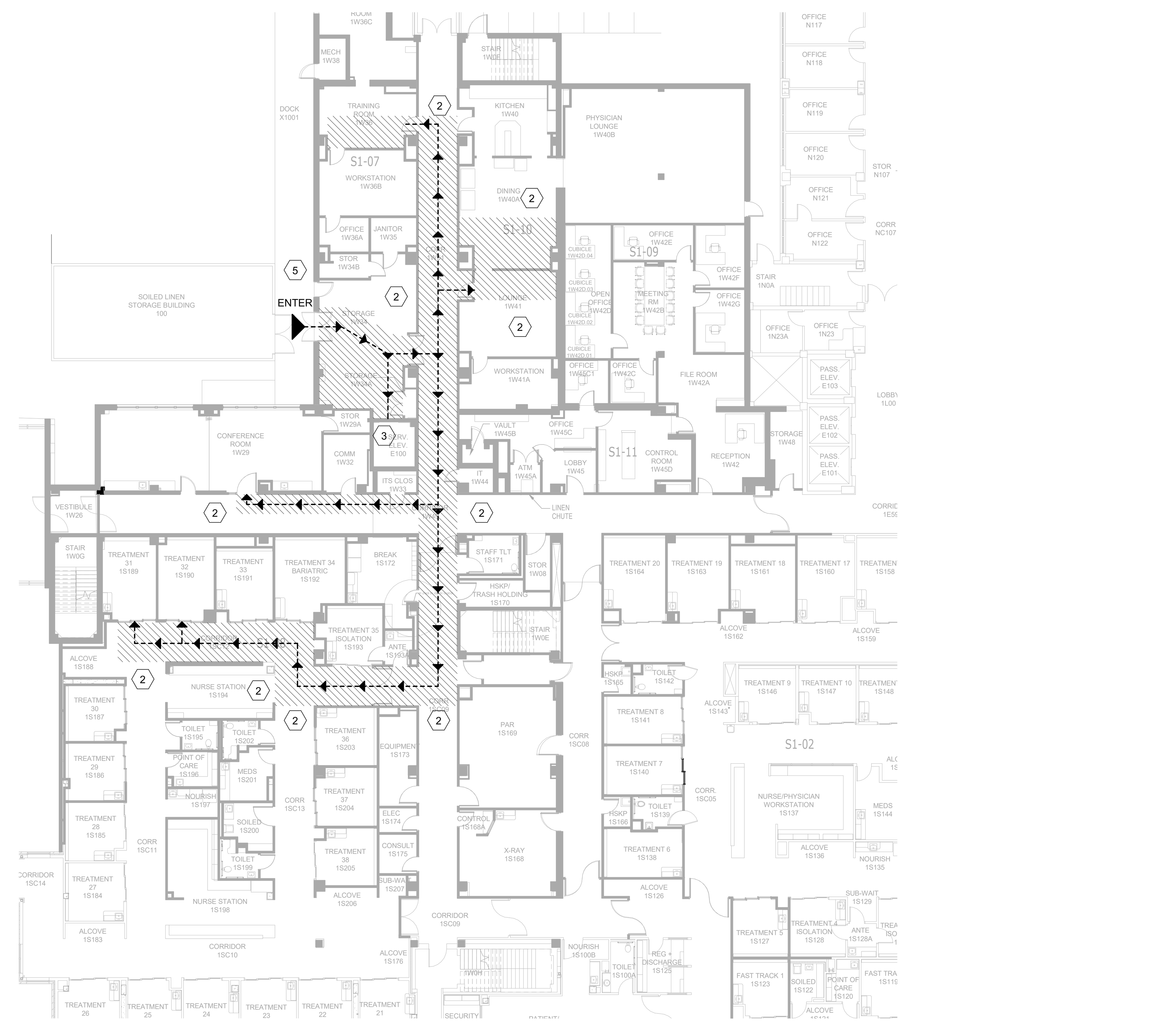


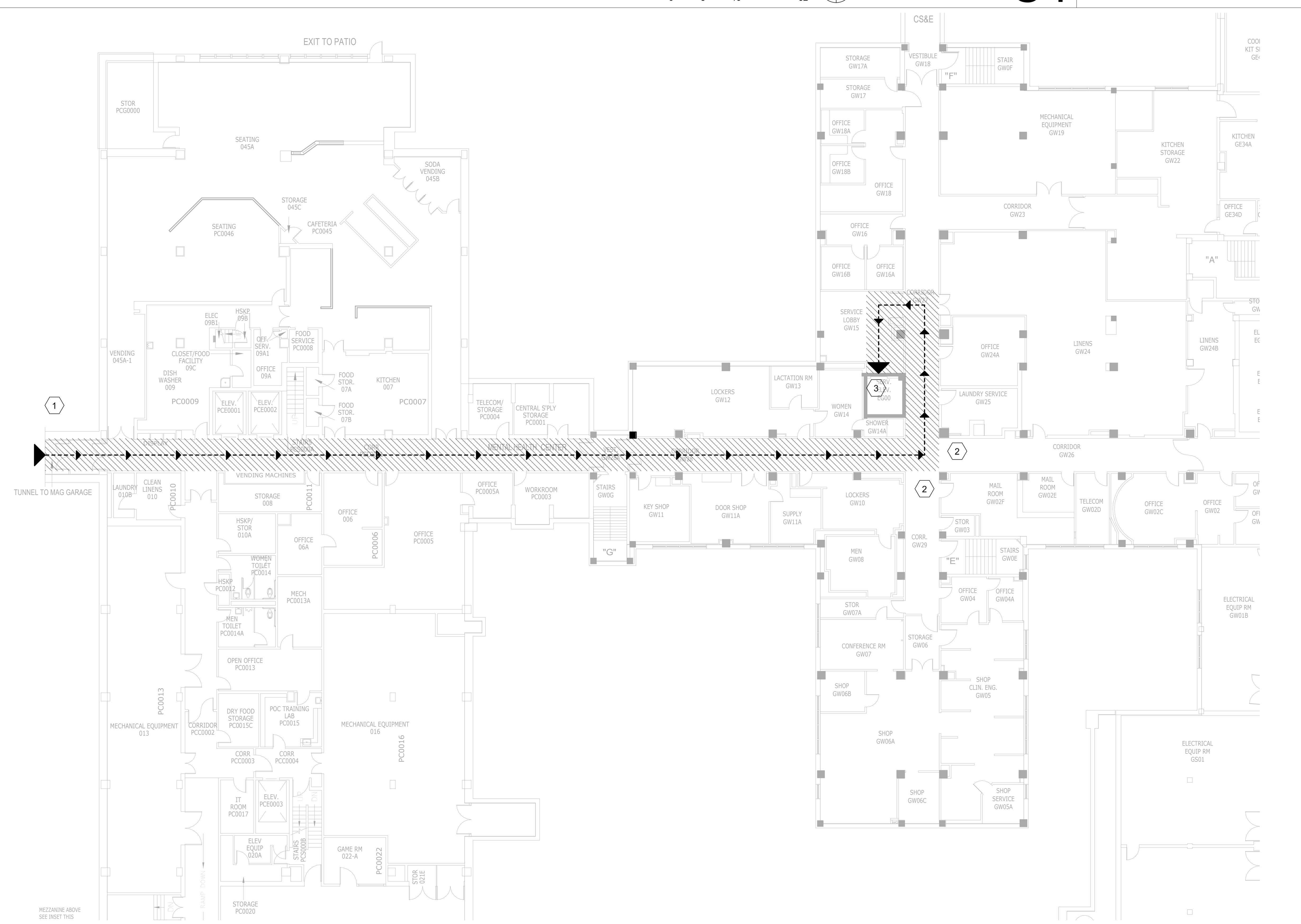
2ND FLOOR C4
1/16" = 1'-0"



1ST FLOOR C1
1/16" = 1'-0"

ACCESS PLAN KEY NOTES

#	DESCRIPTION
1	THIS PLAN IS ISSUED FOR THE PURPOSE OF DEFINING THE CONTRACTOR'S LABOR PATH TO THE JOBSITE.
2	FOOT TRAFFIC TO PROCEED THROUGH DESIGNATED AREA. KEEP ALL TRAFFIC WITHIN BOUNDARY. ENSURE THAT DEBRIS IS NOT TRACKED THROUGH SPACE.
3	ELEVATOR TO ACCESS GROUND, 1ST, 2ND FLOOR ONLY
5	LOADING AND UNLOADING THROUGH DOCK COORDINATED THROUGH OWNER'S REPRESENTAIVE. NO MATERIALS ALLOWED THROUGH THESE SPACES WITHOUT EXPLICIT PERMISSION OF THE MU PROJECT MANAGER
6	HOSPITAL PROVIDED DUMPSTER
7	JUST IN TIME DELIVERIES, MATERIAL STORAGE WITHIN PROJECT SITE.



GROUND FLOOR A3
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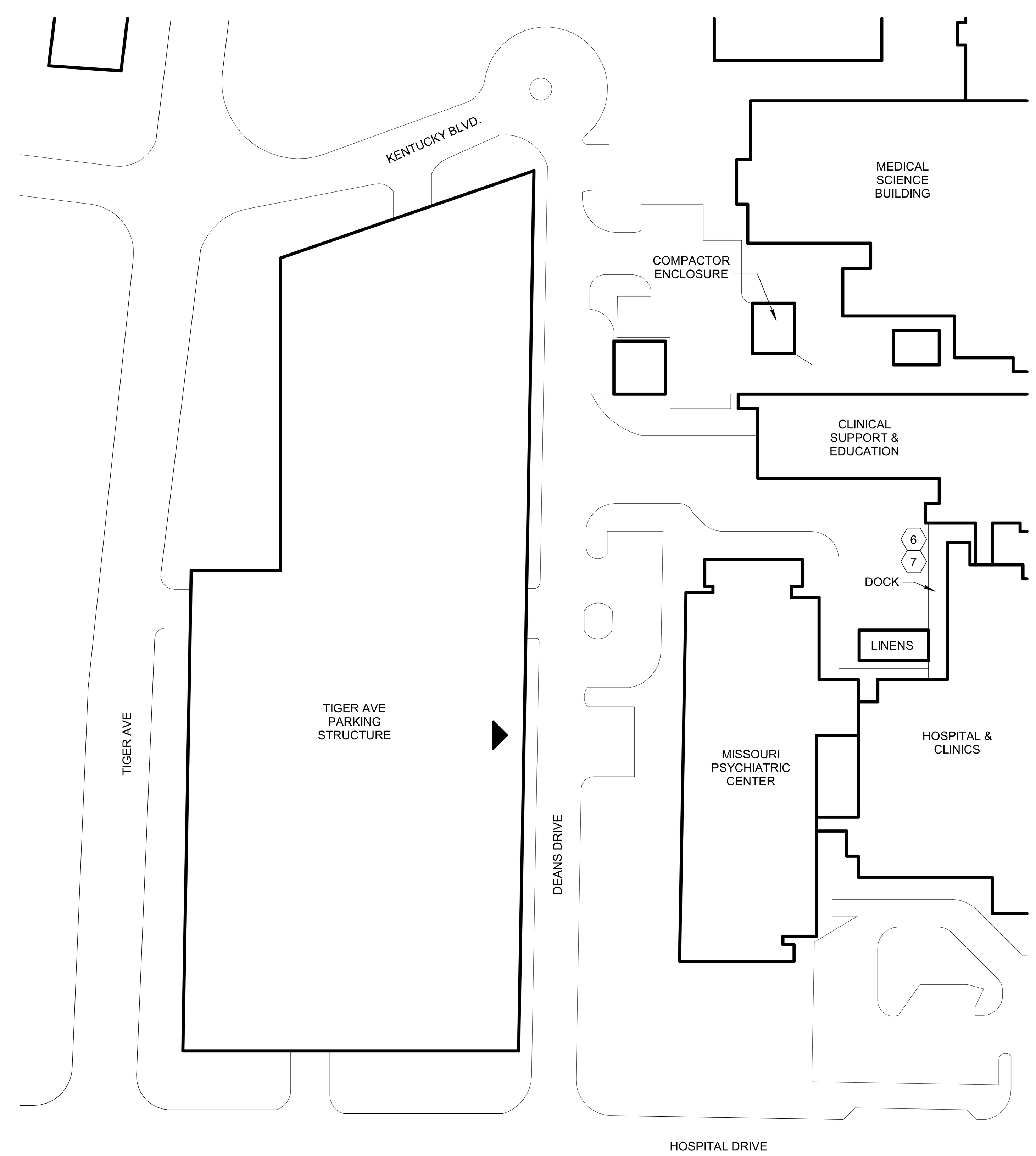
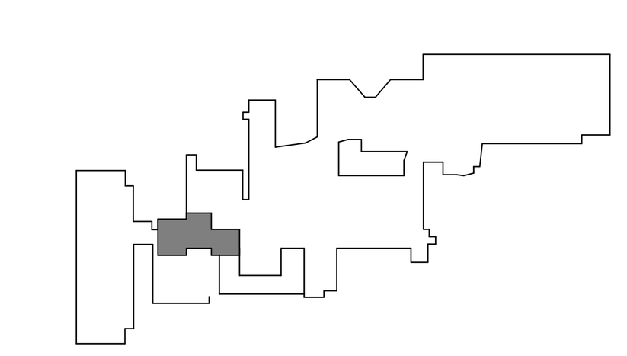


SITE ACCESS PLAN A1
NOT TO SCALE



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CONSTRUCTION ACCESS

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INFECTION CONTROL NOTES

CONFINE DUST AND DEBRIS TO WITHIN DUST PARTITION ENCLOSURE. THERE SHALL BE NO VISIBLEDUST OR DEBRIS OUTSIDE OF DUST PARTITIONED AREA. INF UNABLE TO MAINTAIN A DUST AND DEBRIS FREE AREA OUTSIDEOF DUST PARTITIONE ENCLOSURE, MORE EXTENSIVE MEASURES WILL BE REQUIRED AT CONTRACTOR'S EXPENSE. THE FOLLOWING GENERAL NOTES FURTHER INDICATE REQUIRED MEASURES:

1. NO WORK TO BEGIN UNTIL INFECTION CONTROL MEASURES ARE IN PLACE AND APPROVED BY OWNER'S REPRESENTATIVE.

2. THE INFECTION CONTROL DEPARTMENT SHALL EXAMINE THE PRIMARY INFECTION CONTROL BARRIER ASSEMBLY AND VERIFY THE NEGATIVE-AIR ENVIRONMENT.

3. WORKERS WEARING APPROPRIATE SURGICAL ATTIRE SHALL INSTALL THE INFECTION CONTROL BARRIERS THAT ARE EXPOSED TO THE ACTIVE HOSPITAL ZONES, INCLUDING THOSE LOCATED IN CORRIDORS CC3015 & 3E59.

4. ESTABLISH A NEGATIVE AIR ENVIRONMENT INSIDE THE DESIGNATED PROJECT AREA UTILIZING HEPA-FILTERED AIR FILTRATION EQUIPMENT. A PRESSURE DIFFERENCE OF AT LEAST .01" OF WATER COLUMN SHALL BE MAINTAINED WITH THE ADJACENT PATIENT CARE AREAS AT ALL TIMES. A MANOMETER SHALL BE INSTALLED FOR MONITORING THE PRESSURE DIFFERENTIAL.

5. ISOLATE THE HVAC SYSTEM IN THE WORK AREA TO PREVENT CONTAMINATION OF THE EXISTING DUCT SYSTEM.

6. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES AS REQUIRED.

7. HVAC REQUIRED IN THE CONSTRUCTION ZONE MUST BE PROVIDED BY THE CONTRACTOR. THE UNIT SHOULD RECIRCULATE AIR IN THE CONSTRUCTION ZONE WITH NO ADDITIONAL OUTSIDE AIR OR EXHAUST.

8. PROVIDE ADHESIVE WALK-OFF MATS AT ENTRANCE TO WORK AREA. REPLACE USED MATS WITH NEW MATS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. CONSTRUCTION WASTE SHALL BE REMOVED FROM THE AREA IN APPROVED CONTAINERS.

10. DO NOT REMOVE BARRIERS FROM THE WORK AREA UNTIL THE PROJECT IS COMPLETED. AT THE COMPLETION OF THE PROJECT CAREFULLY REMOVE BARRIERS TO MINIMIZE SPREADING OF DUST AND DEBRIS ASSOCIATED WITH CONSTRUCTION.

11. WORKERS WEARING APPROPRIATE SURGICAL ATTIRE SHALL REMOVE ANY BARRIERS NO LONGER NEEDED THAT ARE EXPOSED TO ACTIVE HOSPITAL AREAS, INCLUDING THOSE LOCATED IN CORRIDORS CC3015 & 3E59. THE DIRTY SIDE OF THE BARRIER SHOULD BE FOLDED TO THE INSIDE IN A MANNER THAT LIMITS THE SPREAD OF DUST.

12. REMOVE ISOLATION OF HVAC, IN AREA WHERE WORK IN BEING PREFORMED, AT THE COMPLETION OF THE JOB.

13. WORKERS SHALL CONDUCT A CONSTRUCTION CLEAN BOTH SIDES OF THE INFECTION CONTROL BARRIER PRIOR TO COMPLETION OF WORK. HOSPITAL WILL PROVIDE A SECONDARY ADDITIONAL CLEANING PRIOR TO OCCUPATION. COORDINATE TIMING TO ALLOW BOTH CLEANINGS TO OCCUR.

14. INFECTION CONTROL WILL RE-INSPECT THE AREA PRIOR TO RE-ENTRY BY EMPLOYEES OR PATIENTS.

15. REFERENCE SPECIFICATIONS DIVISION 01 FOR ADDITIONAL COMMENTARY.

RDB - Rigid Drywall Barrier
The barrier shall extend from floor to ceiling and constructed utilizing 3-5/8"metal studs and 1/2" or 5/8" gypsum board on clean side of studs. Metal studs shall be placed at no less than 16" and no more than 24" O.C. Gypsum boards seams and joints must be sealed with an approved tape or with joint compound/tape. The barrier shall be adequately sealed and maintained at floor and ceiling connections throughout to prevent migration of dust from area of Work into adjacent occupied areas. There shall be no penetrations in the barrier.

Air filtration equipment exhaust/vent hose may pass through upper portion of the barrier. Penetration/opening for exhaust/vent hose shall be adequately sealed and maintained throughout.

The barrier shall be equipped with a door/frame assembly. The assembly is not required to be fire-rated, however, must be hinged swing-type, minimum width of 36", and be solid wood or metal clad with a metal frame. The door shall be equipped with commercial grade lever handle with removable key core. The hardware must be positive latching and accept a *Best* 7-pin core, OFOI. A door sweep may be required. The barrier door shall remain closed and locked during the work period.

Above ceiling requirement
The barrier shall also include 6 or 10-mil fire-resistant polyethylene barrier extending from ceiling to deck directly above rigid barrier. If necessary, non-combustible components shall be utilized to support polyethylene. The barrier shall be adequately sealed at deck and ceiling connections and at penetrations in the barrier to prevent migration of dust from area of Work into adjacent areas.

MC - Modular Containment
The barrier shall be achieved utilizing an approved modular system. The system shall be composed of floor-to-ceiling partitions of not less than nominal 1¼" thickness aluminum framing. System joints shall be interlocking and/or sealed. Ceiling, floor, and wall connections shall be sealed to prevent migration of dust and contaminants from area of Work into adjacent occupied area(s). The partitions should have sound isolation properties to reduce transfer of sound to occupied adjacent areas. The barrier shall be equipped with integrated door panel. The door shall be equipped with commercial grade lever handle with removable key core. The hardware must be positive latching and accept *Best* 7-pin core, OFOI. The barrier shall be equipped with integrated air management panel to accept negative air exhaust discharge hose and be equipped with magnahelic negative air indicator.

Above ceiling requirement
The barrier shall also include 6 or 10-mil fire-resistant polyethylene barrier extending from ceiling to deck directly above rigid barrier. If necessary, non-combustible components shall be utilized to support the polyethylene. The barrier shall be adequately sealed at the deck and ceiling connections and at all penetrations in the barrier to prevent the migration of dust from the work area into adjacent areas.

Infection control barrier at west door for negative air discharge
The barrier shall be constructed of 1/2" or 5/8" gypsum board and installed in door frame assembly, completely filling opening. The door may be removed or be held in open position. The barrier shall be adequately sealed around perimeter of gypsum board and be maintained to prevent migration of dust from area of Work into adjacent occupied areas. Air filtration equipment exhaust/vent hose may pass through upper portion of the barrier. Penetration/opening for exhaust/vent hose shall be adequately sealed and maintained. There shall be no additional penetrations in the barrier.

EWB - Existing Wall as Barrier
The barrier shall be achieved utilizing existing wall assembly as infection control barrier. If the assembly does not extend to deck above, a barrier constructed of 6-mil fire resistant polyethylene shall be installed extending from ceiling/top of wall assembly to deck above. If necessary, non-combustible components may be utilized to support polyethylene. The barrier shall be adequately sealed at deck, ceiling, top of wall assembly connections, and penetrations in the barrier. The polyethylene barrier shall be maintained to prevent the migration of dust from area of Work into adjacent occupied spaces.

I.C. PLAN KEY NOTES

#	DESCRIPTION

INFECTION CONTROL LEGEND

- INFECTION CONTROL BARRIER - EWB
- INFECTION CONTROL BARRIER - RDB
- INFECTION CONTROL BARRIER - RDB smoke rated
- NEGATIVE AIR EXHAUST - HEPA FILTERED
- TEMP DUCT

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KEY PLAN

0 4' 8' 16'

1ST FLOOR INFECTION CONTROL A1
1/8" = 1'-0"

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FIRST FLOOR INFECTION CONTROL

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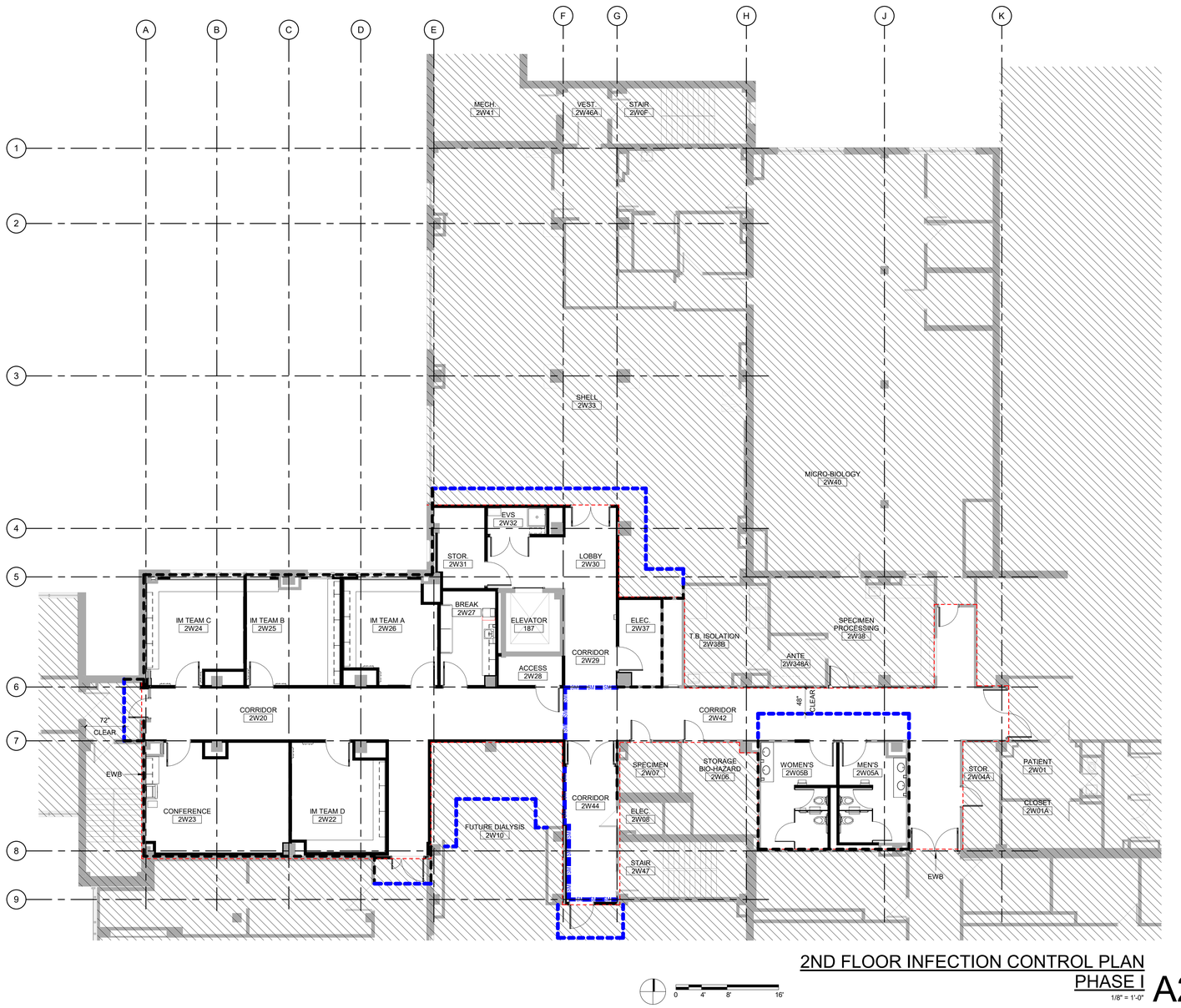
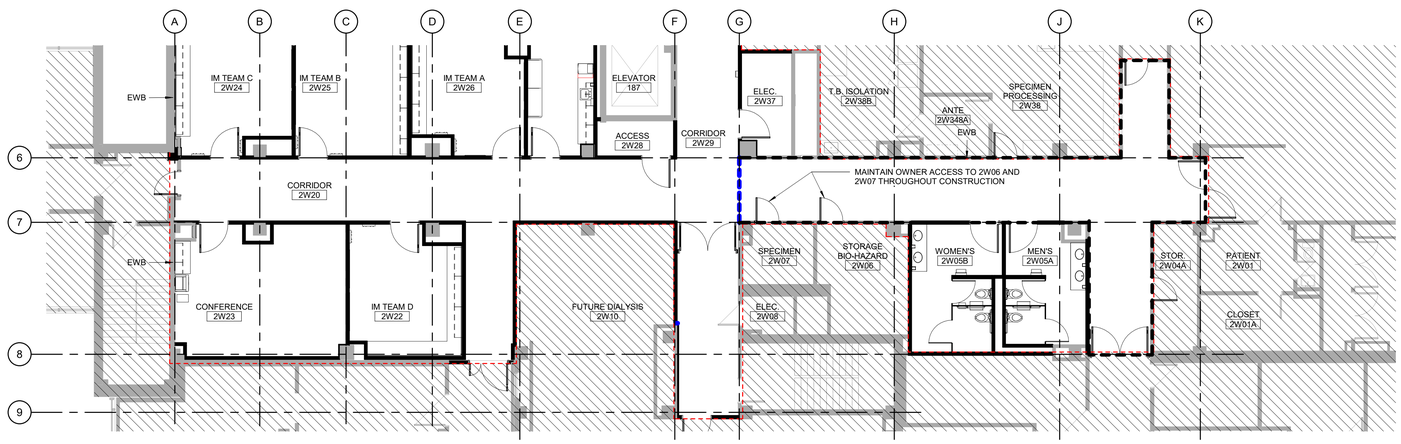


2ND FLOOR INFECTION CONTROL PLAN PHASE I

1/8" = 1'-0"

A2



2ND FLOOR INFECTION CONTROL PLAN PHASE II - CORRIDOR FINISHES

1/8" = 1'-0"

A1

I.C. PLAN KEY NOTES

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5. ISOLATE THE HVAC SYSTEM IN THE WORK AREA TO PREVENT CONTAMINATION OF THE EXISTING DUCT SYSTEM.

6. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES AS REQUIRED.

7. HVAC REQUIRED IN THE CONSTRUCTION ZONE MUST BE PROVIDED BY THE CONTRACTOR. THE UNIT SHOULD RECIRCULATE AIR IN THE CONSTRUCTION ZONE WITH NO ADDITIONAL OUTSIDE AIR OR EXHAUST.

8. PROVIDE ADHESIVE WALK-OFF MATS AT ENTRANCE TO WORK AREA. REPLACE USED MATS WITH NEW MATS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. CONSTRUCTION WASTE SHALL BE REMOVED FROM THE AREA IN APPROVED CONTAINERS.

10. DO NOT REMOVE BARRIERS FROM THE WORK AREA UNTIL THE PROJECT IS COMPLETED. AT THE COMPLETION OF THE PROJECT CAREFULLY REMOVE BARRIERS TO MINIMIZE SPREADING OF DUST AND DEBRIS ASSOCIATED WITH CONSTRUCTION.

11. WORKERS WEARING APPROPRIATE SURGICAL ATTIRE SHALL REMOVE ANY BARRIERS NO LONGER NEEDED THAT ARE EXPOSED TO ACTIVE HOSPITAL AREAS, INCLUDING THOSE LOCATED IN CORRIDORS CC3015 & 3E59. THE DIRTY SIDE OF THE BARRIER SHOULD BE FOLDED TO THE INSIDE IN A MANNER THAT LIMITS THE SPREAD OF DUST.

12. REMOVE ISOLATION OF HVAC, IN AREA WHERE WORK IN BEING PREFORMED, AT THE COMPLETION OF THE JOB.

13. WORKERS SHALL CONDUCT A CONSTRUCTION CLEAN BOTH SIDES OF THE INFECTION CONTROL BARRIER PRIOR TO COMPLETION OF WORK. HOSPITAL WILL PROVIDE A SECONDARY ADDITIONAL CLEANING PRIOR TO OCCUPATION. COORDINATE TIMING TO ALLOW BOTH CLEANINGS TO OCCUR.

14. INFECTION CONTROL WILL RE-INSPECT THE AREA PRIOR TO RE-ENTRY BY EMPLOYEES OR PATIENTS.

15. REFERENCE SPECIFICATIONS DIVISION 01 FOR ADDITIONAL COMMENTARY.

RDB - Rigid Drywall Barrier
The barrier shall extend from floor to ceiling and constructed utilizing 3-5/8"metal studs and 1/2" or 5/8" gypsum board on clean side of studs. Metal studs shall be placed at no less than 16" and no more than 24" O.C. Gypsum boards seams and joints must be sealed with an approved tape or with joint compound/tape. The barrier shall be adequately sealed and maintained at floor and ceiling connections throughout to prevent migration of dust from area of Work into adjacent occupied areas. There shall be no penetrations in the barrier.

Air filtration equipment exhaust/vent hose may pass through upper portion of the barrier. Penetration/opening for exhaust/vent hose shall be adequately sealed and maintained throughout.

The barrier shall be equipped with a door/frame assembly. The assembly is not required to be fire-rated, however, must be hinged swing-type, minimum width of 36", and be solid wood or metal clad with a metal frame. The door shall be equipped with commercial grade lever handle with removable key core. The hardware must be positive latching and accept a *Best* 7-pin core, OFOI. A door sweep may be required. The barrier door shall remain closed and locked during the work period.

Above ceiling requirement
The barrier shall also include 6 or 10-mil fire-resistant polyethylene barrier extending from ceiling to deck directly above rigid barrier. If necessary, non-combustible components shall be utilized to support polyethylene. The barrier shall be adequately sealed at deck and ceiling connections and at penetrations in the barrier to prevent migration of dust from area of Work into adjacent areas.

MC - Modular Containment
The barrier shall be achieved utilizing an approved modular system. The system shall be composed of floor-to-ceiling partitions of not less than nominal 1½" thickness aluminum framing. System joints shall be interlocking and/or sealed. Ceiling, floor, and wall connections shall be sealed to prevent migration of dust and contaminants from area of Work into adjacent occupied area(s). The partitions should have sound isolation properties to reduce transfer of sound to occupied adjacent areas. The barrier shall be equipped with integrated door panel. The door shall be equipped with commercial grade lever handle with removable key core. The hardware must be positive latching and accept *Best* 7-pin core, OFOI. The barrier shall be equipped with integrated air management panel to accept negative air exhaust discharge hose and be equipped with magnahelic negative air indicator.

Above ceiling requirement
The barrier shall also include 6 or 10-mil fire-resistant polyethylene barrier extending from ceiling to deck directly above rigid barrier. If necessary, non-combustible components shall be utilized to support the polyethylene. The barrier shall be adequately sealed at the deck and ceiling connections and at all penetrations in the barrier to prevent the migration of dust from the work area into adjacent areas.

Infection control barrier at west door for negative air discharge
The barrier shall be constructed of 1/2" or 5/8" gypsum board and installed in door frame assembly, completely filling opening. The door may be removed or be held in open position. The barrier shall be adequately sealed around perimeter of gypsum board and be maintained to prevent migration of dust from area of Work into adjacent occupied areas. Air filtration equipment exhaust/vent hose may pass through upper portion of the barrier. Penetration/opening for exhaust/vent hose shall be adequately sealed and maintained. There shall be no additional penetrations in the barrier.

EWB - Existing Wall as Barrier
The barrier shall be achieved utilizing existing wall assembly as infection control barrier. If the assembly does not extend to deck above, a barrier constructed of 6-mil fire resistant polyethylene shall be installed extending from ceiling/top of wall assembly to deck above. If necessary, non-combustible components may be utilized to support polyethylene. The barrier shall be adequately sealed at deck, ceiling, top of wall assembly connections, and penetrations in the barrier. The polyethylene barrier shall be maintained to prevent the migration of dust from area of Work into adjacent occupied spaces.

STATE OF MISSOURI
ROBERT MARVIN KOENIG
NUMBER A-2002
ARCHITECT
8.10.21

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MU

REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

G104

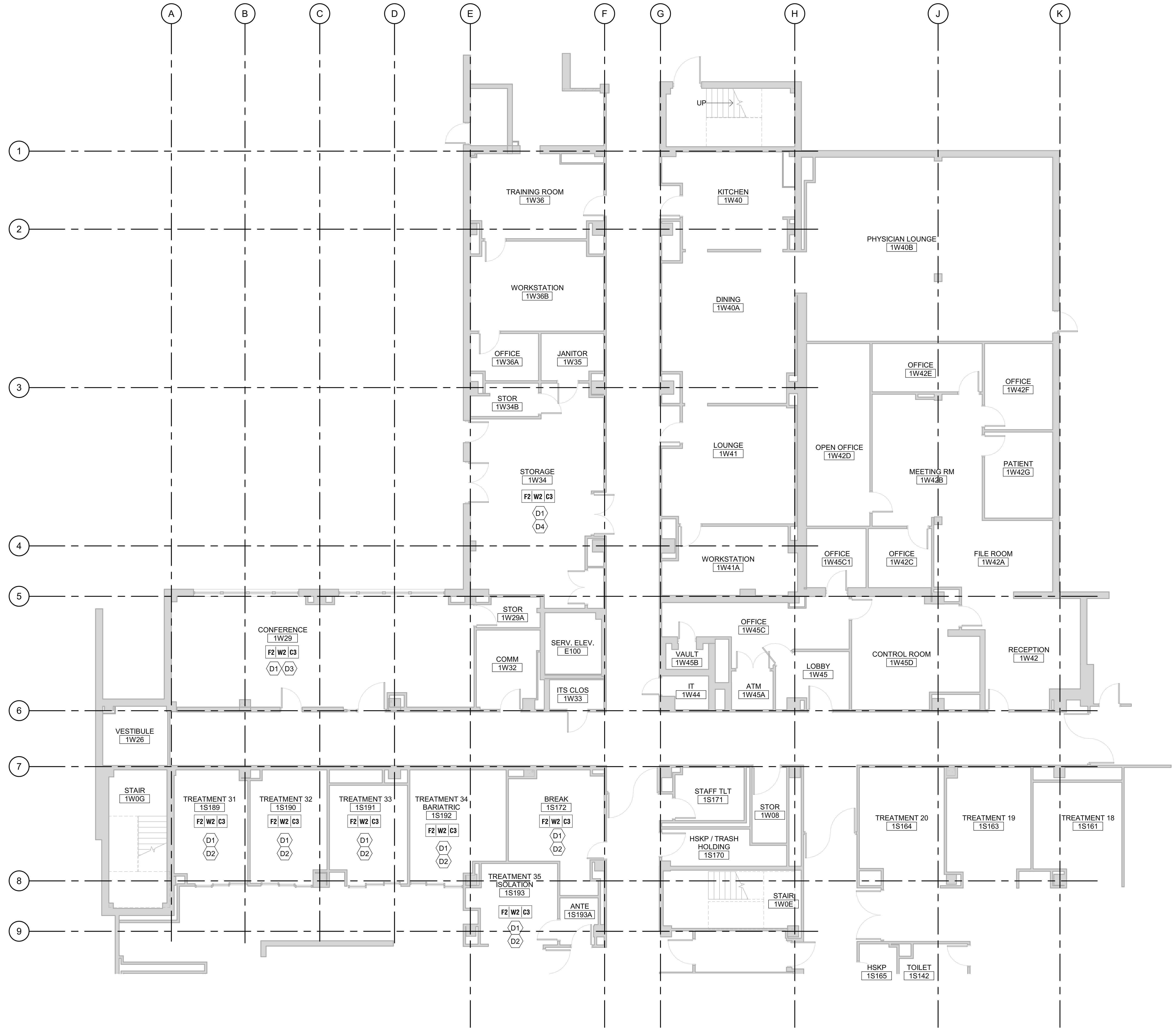
SECOND FLOOR INFECTION CONTROL

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701



1ST FLOOR DEMO PLAN A1
1/8" = 1'-0"

DEMO NOTES - GENERAL

A CONTRACTOR TO FIELD VERIFY ALL WORK AND REPORT ANY DISCREPENCIES TO ARCHITECT IN WRITING PRIOR TO BEGINNING WORK IN AFFECTED AREAS.

B CONTRACTOR TO VERIFY ALL EXISTING HOSPITAL SYSTEMS CURRENTLY INSTALLED IN THE CONSTRUCTION AREA. ALL DEVICES TO REMAIN SHALL BE CHECKED AND IN WORKING CONDITION WHEN PROJECT IS COMPLETE.

C CONTRACTOR SHALL PATCH TO MATCH SURROUNDING FINISHES ANY AREAS DAMAGED AS A RESULT OF, OR CAUSED BY THE WORK INDICATED THROUGHOUT THE CONTRACT DOCUMENTS.

D WHERE REMOVAL OF EXISTING WALL PARTITIONS, EQUIPMENT, ETC DISRUPTS OR DISTURBS EXISTING ELECTRICAL, MECHANICAL, OR PLUMBING, SERVICES TO AREAS NOT DESIGNATED AS THE CONSTRUCTION AREAS, CONTRACTOR SHALL PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO ENSURE UNINTERUPTED SERVICE TO SAID AREAS. NOTE: NO SERVICE IS TO BE SHUT DOWN WITHOUT PRIOR APPROVAL BY OWNER.

E REFER TO MEP DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.

F WORK IN THE CEILING AREAS ON THE 1ST FLOOR IS AFTER-HOURS WORK. COORDINATION AND SCHEDULING WITH THE OWNER IS REQUIRED.

G UTILIZE ESTABLISHED HOSPITAL ICRA TEMPORARY STANDARDS FOR ALL WORK OUTSIDE OF THE ESTABLISHED WORK ZONE. WORK PLAN SUBMITTAL, REVIEW AND APPROVAL IS REAUIRED FOR EACH CONDITION AND LOCATION.

H CLEAN AND RESTORE SPACES TO ORIGINAL CONDITION PRIOR TO HOURS OF OPERATION.

I USE ELEVATOR TO REMOVE DEMOLISHED ELEMENTS AND DEBRIS FROM SITE. USE OF WINDOW OPENINGS FOR REMOVAL IS NOT PERMITTED.

DEMOLITION KEY NOTES

#	DESCRIPTION
D1	REMOVE PORTION OF CEILING AS NEEDED TO ACCOMODATE ABOVE CEILING MEP WORK. PROTECT EXISTING CONDITIONS INCLUDING FINISHES & FFE.
D2	DESIGN TEAM WAS UNABLE TO FIELD VERIFY DUE TO COVID RESTRICTIONS.
D3	EXISTING SUSPENDED CEILING. SALVAGE PANELS FOR REINSTALLATION.
D4	EXISTING GYP BD CEILING.

DEMOLITION PLAN LEGEND

REMOVE EXISTING WALL, FLOOR TO CEILING

EXISTING WALL TO REMAIN

EXISTING DOOR & FRAME TO REMAIN

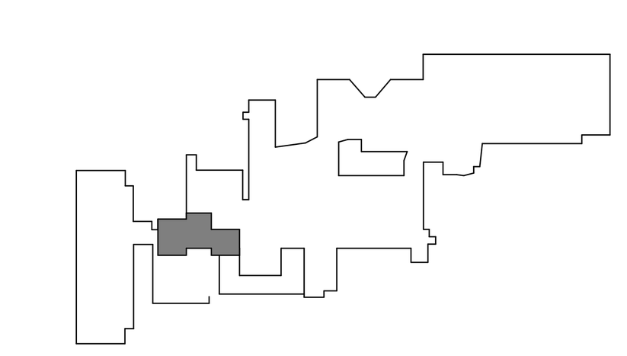
REMOVE EXISTING DOOR, FRAME, AND HARDWARE

F# W# C# FLOOR/WALL/CEILING NOTES

F1 - REMOVE EXISTING FLOOR, BASE, GLUE, ETC. TO SLAB. PATCH, PRIME, AND PREPARE SUB-FLOOR TO RECEIVE NEW FLOORING AS SCHEDULED.
F2 - EXISTING FLOOR TO REMAIN.
F3 - SPECIAL CONDITION - REFER TO KEYNOTE.

W1 - REMOVE EXISTING WALL COVERINGS, PAINT, ETC. PATCH, PREP, AND PRIME WALL TO RECEIVE NEW FINISHES AS SCHEDULED.
W2 - EXISTING WALL TO REMAIN.
W3 - SPECIAL CONDITION - REFER TO KEYNOTE.

C1 - REMOVE EXISTING CEILING, HANGERS, ETC. TO BTM OF STRUCTURE. EXERCISE EXTREME CAUTION AS TO NOT DISTURB SYSTEMS INTENDED TO REMAIN.
C2 - EXISTING CEILING TO REMAIN.
C3 - SPECIAL CONDITION - REFER TO KEYNOTE.



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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

AD101

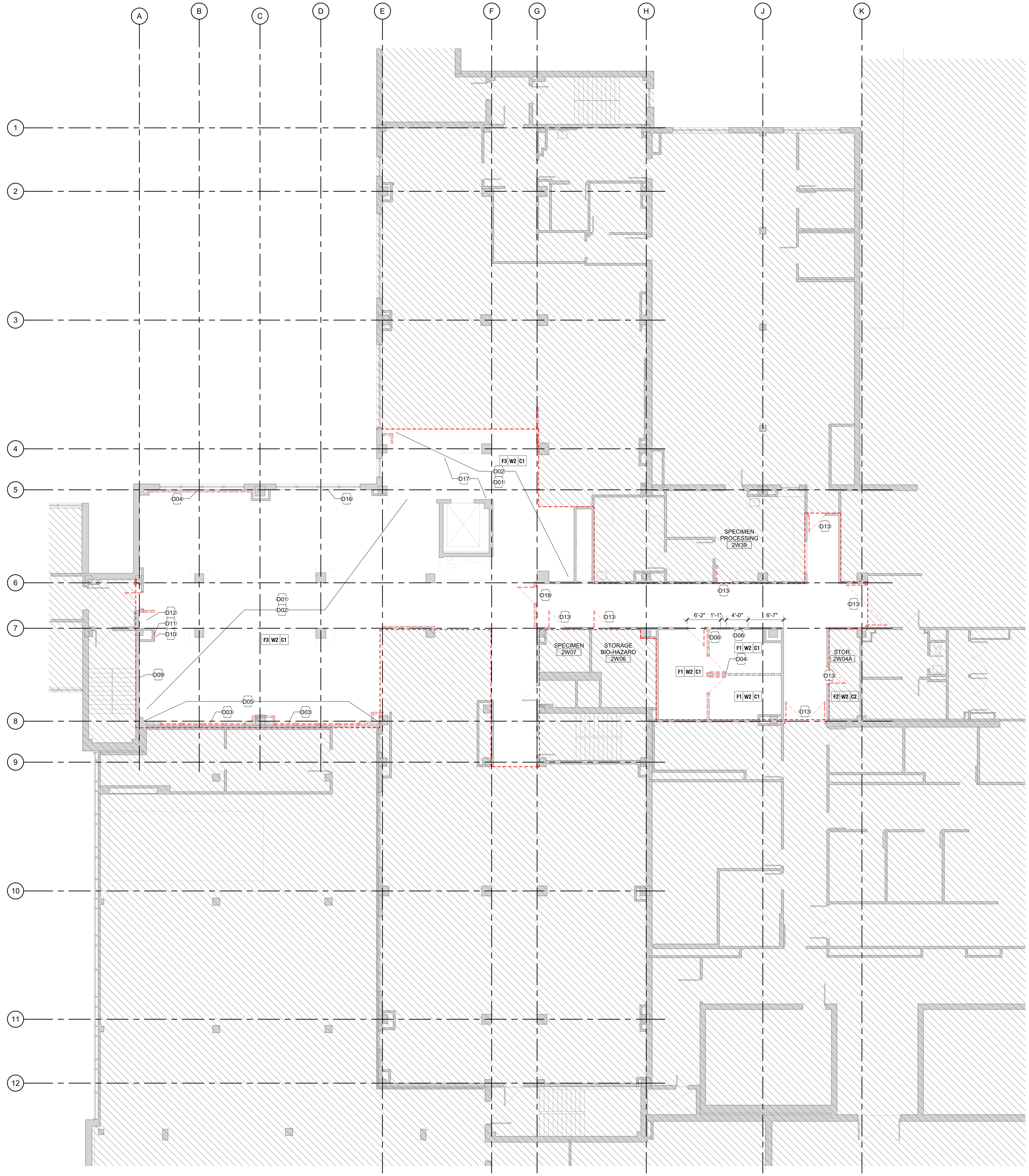
FIRST FLOOR DEMOLITION PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701



2ND FLOOR DEMO PLAN A1

1/8" = 1'-0"

DEMO NOTES - GENERAL

A CONTRACTOR TO FIELD VERIFY ALL WORK AND REPORT ANY DISCREPENCIES TO ARCHITECT IN WRITING PRIOR TO BEGINNING WORK IN AFFECTED AREAS.

B CONTRACTOR TO VERIFY ALL EXISTING HOSPITAL SYSTEMS CURRENTLY INSTALLED IN THE CONSTRUCTION AREA. ALL DEVICES TO REMAIN SHALL BE CHECKED AND IN WORKING CONDITION WHEN PROJECT IS COMPLETE.

C CONTRACTOR SHALL PATCH TO MATCH SURROUNDING FINISHES ANY AREAS DAMAGED AS A RESULT OF, OR CAUSED BY THE WORK INDICATED THROUGHOUT THE CONTRACT DOCUMENTS.

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E REFER TO MEP DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.

F WORK IN THE CEILING AREAS ON THE 1ST FLOOR IS AFTER-HOURS WORK. COORDINATION AND SCHEDULING WITH THE OWNER IS REQUIRED.

G UTILIZE ESTABLISHED HOSPITAL ICRA TEMPORARY STANDARDS FOR ALL WORK OUTSIDE OF THE ESTABLISHED WORK ZONE. WORK PLAN SUBMITTAL, REVIEW AND APPROVAL IS REAUIRED FOR EACH CONDITION AND LOCATION.

H CLEAN AND RESTORE SPACES TO ORIGINAL CONDITION PRIOR TO HOURS OF OPERATION.

I USE ELEVATOR TO REMOVE DEMOLISHED ELEMENTS AND DEBRIS FROM SITE. USE OF WINDOW OPENINGS FOR REMOVAL IS NOT PERMITTED.

DEMOLITION KEY NOTES

#	DESCRIPTION
D01	REMOVE ABANDONED PLUMBING STUB-UPS AND ELECTRICAL CONDUIT. CAP AT FLOOR BELOW. RE. M.E.P. DRAWINGS.
D02	GRIND FLOOR TO LEVEL AND PREP FOR NEW FINISH.
D03	REMOVE WINDOW, FRAME, AND GLAZING.
D04	REMOVE TILE WALL FROM FLOOR TO DECK.
D05	REMOVE TILE WALL FROM FLOOR TO BOTTOM OF BEAM / HEAD OF EXISTING WINDOW OPENING.
D06	REMOVE WALL FOR NEW DOOR. RE. DOOR SCHEDULE.
D09	REMOVE WOOD CLEAT. PREP SURFACE FOR NEW FINISH.
D10	REMOVE TACKBOARD. PREP SURFACE FOR NEW FINISH.
D11	REMOVE ACCESS PANEL.
D12	REMOVE SHELVING. PREP SURFACE FOR NEW FINISH.
D13	REMOVE DOOR AND HARDWARE. SALVAGE CARD READER AND ELECTRIC STRIKE WHERE OCCURS. FRAME TO REMAIN. PREP. FRAME FOR NEW FINISH.
D14	REMOVE PLUMBING FIXTURES. RE. PLUMBING DRAWINGS.
D16	REMOVE WINDOW SILL. PREP LEDGE FOR NEW SILL.
D17	REMOVE PLASTER AND LATHE CEILING.
D18	REMOVE DOOR, FRAME, AND HARDWARE. SALVAGE FOR RELOCATION. REF. DOOR SCHEDULE.

DEMOLITION PLAN LEGEND

REMOVE EXISTING WALL, FLOOR TO CEILING

EXISTING WALL TO REMAIN

EXISTING DOOR & FRAME TO REMAIN

REMOVE EXISTING DOOR, FRAME, AND HARDWARE

F# W# C# FLOOR/WALL/CEILING NOTES

F1 - REMOVE EXISTING FLOOR, BASE, GLUE, ETC. TO SLAB. PATCH, PRIME, AND PREPARE SUB-FLOOR TO RECEIVE NEW FLOORING AS SCHEDULED.
F2 - EXISTING FLOOR TO REMAIN.
F3 - SPECIAL CONDITION - REFER TO KEYNOTE.

W1 - REMOVE EXISTING WALL COVERINGS, PAINT, ETC. PATCH, PREP, AND PRIME WALL TO RECEIVE NEW FINISHES AS SCHEDULED.
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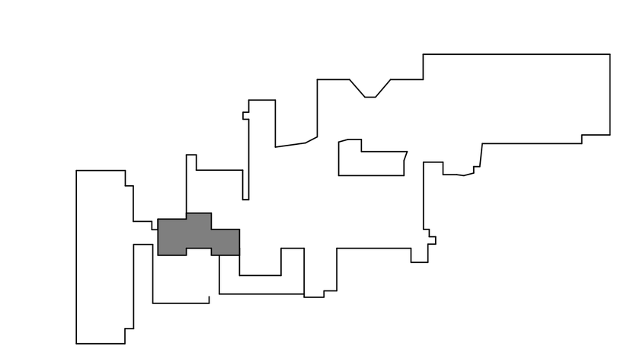
C1 - REMOVE EXISTING CEILING, HANGERS, ETC. TO BTM OF STRUCTURE. EXERCISE EXTREME CAUTION AS TO NOT DISTURB SYSTEMS INTENDED TO REMAIN.
C2 - EXISTING CEILING TO REMAIN.
C3 - SPECIAL CONDITION - REFER TO KEYNOTE.



KEY PLAN

STATE OF MISSOURI ROBERT MARVIN KOENIG NUMBER A-6977 ARCHITECT 8-10-21

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

AD102

SECOND FLOOR DEMOLITION PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701

1ST FLOOR PLAN A1

1/8" = 1'-0"

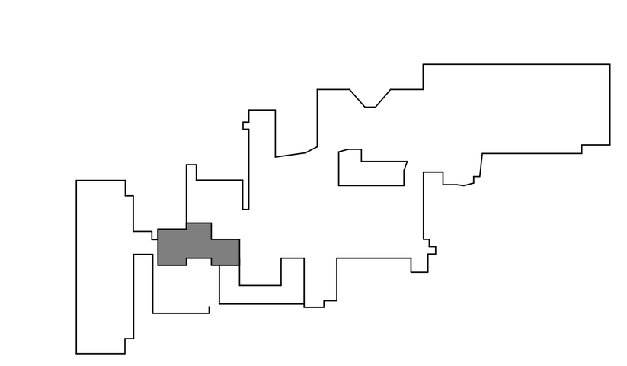
0 4' 8' 16'

FLOOR PLAN NOTES

A. ALL DIMENSIONS ARE TO GRID LINE, FACE OF CONCRETE OR MASONRY, OR FACE OF STRUCTURE, UNLESS OTHERWISE NOTED.
B. ALL FLOOR PLAN DIMENSIONS TO MASONRY ARE NOMINAL DIMENSIONS, UNLESS NOTED AS ACTUAL.
C. ALL ANGLES SHOWN ON THE FLOOR PLANS ARE 90 DEGREES UNLESS OTHERWISE NOTED.
D. ALL SPOT ELEVATIONS SHOWN ON THE FLOOR PLANS OUTSIDE THE BUILDING RELATE TO USGS ELEVATIONS. ALL SPOT ELEVATIONS INSIDE THE BUILDING REFER TO BUILDING REFERENCE ELEVATIONS. NOTIFY ARCHITECT IMMEDIATELY SHOULD CONDITIONS BE FOUND CONTRADICTORY TO THESE DRAWINGS. 100'-0" = 5280.0'
E. FURNISHINGS (SHOWN DASHED) ARE SHOWN FOR GENERAL COORDINATION, REFER TO 'I' SERIES FOR COMPLETE SCOPE OF WORK.
F. EQUIPMENT (SHOWN DASHED) SHOWN FOR COORDINATION ONLY. REFER TO EQUIPMENT DRAWINGS FOR DIMENSIONS. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH MANUFACTURER AND/OR WITH REUSED OR EXISTING EQUIPMENT.
G. IN ROOMS WITH FLOOR DRAINS, SLOPE CONCRETE SURFACE WITHIN 18" RADIUS AT 1/4" PER FOOT TOWARD FLOOR DRAIN, UNLESS OTHERWISE INDICATED.
H. DO NOT SCALE DRAWINGS.
I. COORDINATE ALL FLOOR CORE DRILLING WITH EXISTING STRUCTURE.
J. PATCH AND LEVEL FLOOR SUBSTRATES TO RECEIVE NEW WORK AS SCHEDULED.
K. PATCH AND REPAIR CEILING AS REQUIRED FOR NEW LAYOUT. CONTRACTOR TO REPAIR ALL CEILINGS TO MATCH EXISTING WHERE PARTITIONS HAVE BEEN DEMOLISHED AND EXISTING CEILING IS TO REMAIN.
L. PATCH WALLS AT REMOVED RECEPTACLE OPENINGS SO AS TO RECEIVE SUBSEQUENT WORK.
M. PATCH EXISTING FIRE-RATED WALLS, FLOORS, CEILINGS, ETC. SO AS TO MAINTAIN THE FIRE-RATING. ADD FIRE-SMOKE DAMPERS WHERE NEW DUCTS CROSS. ADD FIRE STOP AT ALL PENETRATIONS.
N. PATCH EXISTING CONSTRUCTION SCHEDULED TO REMAIN. REPAIRED SURFACES TO BE FLUSH WITH ADJACENT FINISH SURFACES. PATCH, SAND, AND TEXTURE EXISTING SURFACES TO SAME QUALITY AS NEW CONSTRUCTION PRIOR TO INSTALLING NEW FINISHES. REFER TO THE FINISH MANUFACTURER'S GUIDELINES FOR INSTALLATION.
O. PATCH AND REPAIR OPENINGS FROM DEMOLISHED PIPING, CONDUIT, AND DUCTWORK PER S001.

FLOOR PLAN KEY NOTES

#	DESCRIPTION
P1	REPLACE OR PATCH & REPAIR CEILING TO MATCH EXISTING CONDITIONS WHERE DEMOLITION HAS OCCURED FOR ABOVE CEILING WORK.



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A101

FIRST FLOOR PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt

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2ND FLOOR PLAN A1

1/8" = 1'-0"

0 4' 8' 16'

FLOOR PLAN NOTES

A. ALL DIMENSIONS ARE TO GRID LINE, FACE OF CONCRETE OR MASONRY, OR FACE OF STRUCTURE, UNLESS OTHERWISE NOTED.
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C. ALL ANGLES SHOWN ON THE FLOOR PLANS ARE 90 DEGREES UNLESS OTHERWISE NOTED.
D. ALL SPOT ELEVATIONS SHOWN ON THE FLOOR PLANS OUTSIDE THE BUILDING RELATE TO USGS ELEVATIONS. ALL SPOT ELEVATIONS INSIDE THE BUILDING REFER TO BUILDING REFERENCE ELEVATIONS. NOTIFY ARCHITECT IMMEDIATELY SHOULD CONDITIONS BE FOUND CONTRADICTORY TO THESE DRAWINGS. 100'-0" = 5280.0'
E. FURNISHINGS (SHOWN DASHED) ARE SHOWN FOR GENERAL COORDINATION. REFER TO 'I' SERIES FOR COMPLETE SCOPE OF WORK.
F. EQUIPMENT (SHOWN DASHED) SHOWN FOR COORDINATION ONLY. REFER TO EQUIPMENT DRAWINGS FOR DIMENSIONS. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH MANUFACTURER AND/OR WITH REUSED OR EXISTING EQUIPMENT.
G. IN ROOMS WITH FLOOR DRAINS, SLOPE CONCRETE SURFACE WITHIN 18" RADIUS AT 1/4" PER FOOT TOWARD FLOOR DRAIN, UNLESS OTHERWISE INDICATED.
H. DO NOT SCALE DRAWINGS.
I. COORDINATE ALL FLOOR CORE DRILLING WITH EXISTING STRUCTURE.
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O. PATCH AND REPAIR OPENINGS FROM DEMOLISHED PIPING, CONDUIT, AND DUCTWORK PER S001.

FLOOR PLAN KEY NOTES

#	DESCRIPTION
P01	EXISTING ACCESS PANEL
P03	UPGRADE PARTITION TO ACHIEVE RATING PER NEW PARTITION TYPE. RE. PARTITION TAG AND SCHEDULE
P05	CONFIRM WITH A.H.J. FOR PUSH CLEARANCE VARIANCE FOR EXISTING DOOR OPENING.
P06	INFILL FLOOR AFTER DUCT DEMOLITION
P07	PROVIDE 20 GA. SHEET METAL UP TO 8'-0" ENTIRE LENGTH OF WALL FOR IN-WALL BLOCKING. COORDINATE HEIGHT WITH SUPPLY STORAGE VENDOR.
P08	INFILL FLOOR AFTER DUCT DEMOLITION. REFERENCE A1/S001
P09	SEAL HEAD AND SILL OF PERIMETER WALL FOR PRESSURIZATION
P10	MAINTAIN OWNER ACCESS TO 2W06 AND 2W07 THROUGHOUT CONSTRUCTION

SCOPE DEMARCATION

KEY PLAN

ROBERT MARVIN KOENIG NUMBER A-2007 ARCHITECT
STATE OF MISSOURI
8/10/21

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A102

SECOND FLOOR PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

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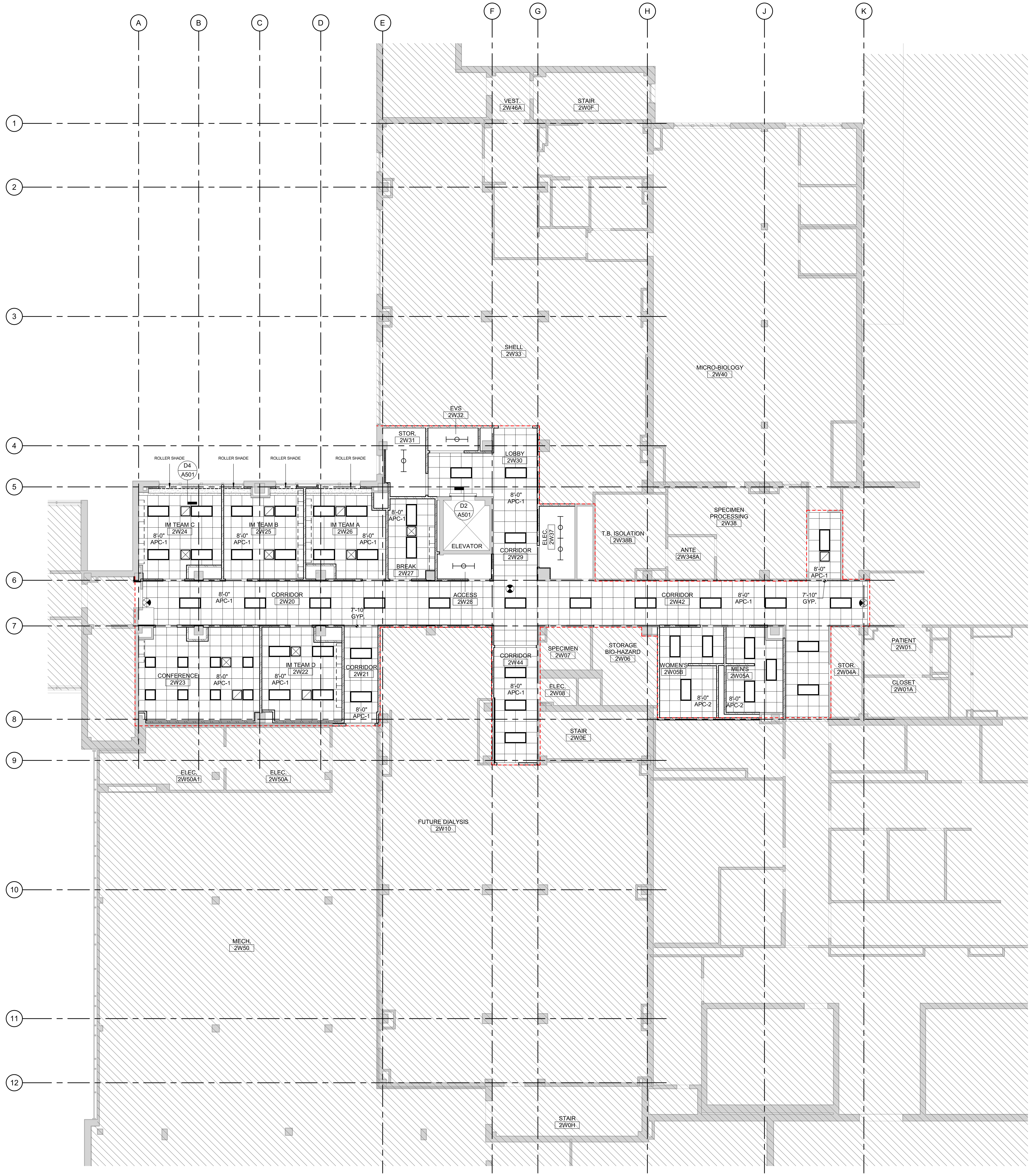


2ND FLOOR RCP A1

1/8" = 1'-0"

RCP NOTES-GENERAL

GEN NOTES - REFLECTED CEILING PLANS

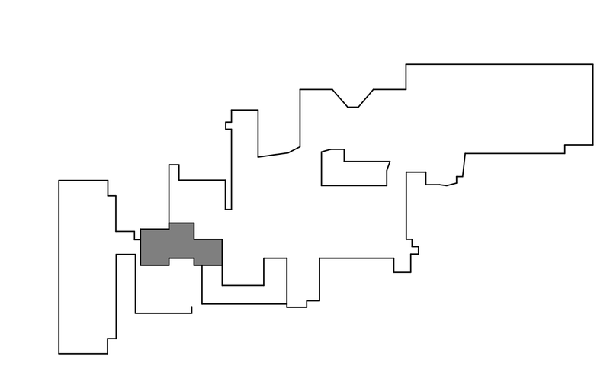
- A CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. REPORT ANY DISCREPANCIES TO ARCHTIECT IN WRITING BEFORE BEGINNING WORK IN AFFECTED AREA(S)
- B CONTRACTOR SHALL VERIFY ALL EXISTING HOSPITAL SYSTEMS CURRENTLY INSTALLED IN THE CONSTRUCTION AREA. ALL DEVICES SHALL BE CHECKED AND IN WORKING CONDITION UPON COMPLETION OF THE PROJECT.
- C REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION AND WORK.
- D PATCH EXISTING WALLS AND CEILINGS SHOWN TO REMAIN THAT ARE DAMAGED BY WORK PERFORMED IN WALL OR ABOVE CEILING, INCLUDING WORK PERFORMED BY OTHER TRADES SUCH AS, BUT NOT LIMITED TO, INSTALLATION AND DEMOLITION OF UTILITIES. RETURN WALL OR CEILING SURFACE TO ITS ORIGIONAL CONDITION. FINISH TO MATCH ORIGINAL OR PROVIDE NEW FINISH WHERE SCHEDULED.
- E PROVIDE TAPING AND SANDING OF EXISTING GYP. BD. THAT WILL BE EXPOSED BELOW CEILING AND RECEIVE NEW FINISHES.
- F CENTER ALL LIGHTING WITHIN CEILING TILE UNLESS NOTED OTHERWISE
- G NEW CEILING WORK TO MATCH AND ALIGN WITH EXISTING CEILINGS.
- H CEILINGS SHALL BE APC AT 9' - 0" A.F.F. UNLESS NOTED OTHERWISE.
- J PATCH AND REPLACE BROKEN, DAMAGED, STAINED, OR OTHERWISE COMPROMOSED EXISTING CEILINGS AS NECESSARY.
- K REFER TO FIRE PROTECTION DRAWINGS FOR LOCATIONS OF FIRE SPRINKLER HEADS. CENTER FIRE SPRINKLER HEADS BOTH DIRECTIONS IN CEILING TILES.
- L SUBMIT LAYOUT OF ALL GYPSUM BOARD CEILING CONTROL JOINTS FOR REVIEW.
- M CENTER ALL CEILING GRIDS IN EACH ROOM OR SPACE UNLESS OTHERWISE INDICATED WITH A GRID ORIGIN OR DIMENSION.
- N LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, AND FIREALARM SPEAKER/STROBES SHALL BE CENTERED IN THE CEILING TILES IN WHICH THEY OCCUR, UNLESS NOTED OTHERWISE.
- P SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS REQUIRED OR INDICATED.

RCP KEY NOTES

#	DESCRIPTION

RCP LEGEND

- APC 2' X 2'
- APC 2' X 4'
- GYP CEILING
- CEILING GRID ORIGIN LOCATION
- RECESSED CAN LIGHT
- SUPPLY DIFFUSER
  PROVIDE HEPA FILTER WHEN "H" IS SHOWN
- RETURN DIFFUSER
- SPEAKER
- EXIT LIGHT - SINGLE
- EXIT LIGHT - DOUBLE
- WALL SCONCE
- RADIANT HEATING PANEL
- CEILING ACCESS PANEL
- RECESSED INDIRECT LIGHT
- RECESSED TROFFER LIGHT
- SURFACE MOUNTED STRIP LIGHT
- LINEAR WALL LIGHT
- LINEAR PENDANT
- DECORATIVE PENDANT LIGHT
- PLAM FASCIA
- CUBICLE CURTAIN TRACK (CCT)



KEY PLAN

ROBERT MARVIN KOENIG
NUMBER A-6977
ARCHITECT
8-10-21

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A151

REFLECTED CEILING PLAN

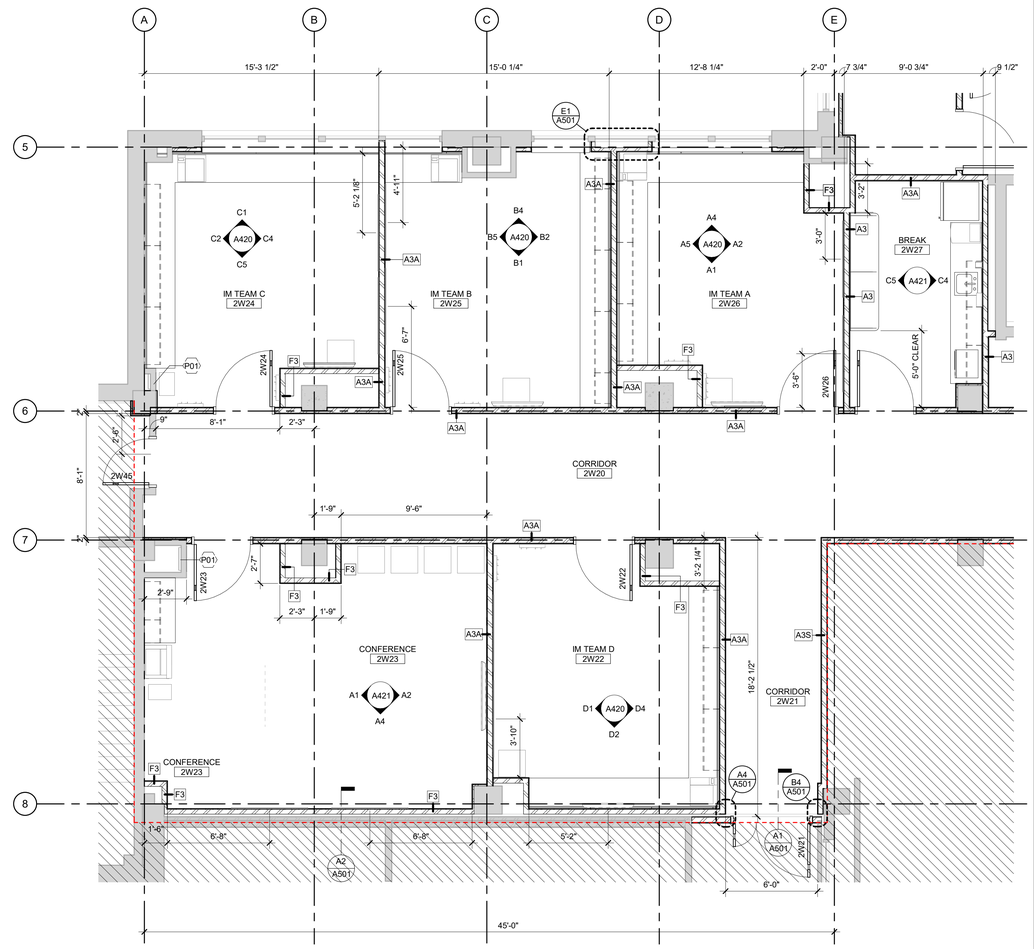
BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

ACCESSORY SCHEDULE					
Type	Description	Manufacturer	Model	Procurement	Procure
E01	60"x84" GLASS MARKERBOARD MTD 4'-0" CTR. A.F.F.	PER OWNER		OFCI	PROVIDE IN-WALL BLOCKING
E02	42" MONITOR	PER OWNER		OFOI	PROVIDE IN-WALL BLOCKING
E03	60" MONITOR	PER OWNER		OFOI	PROVIDE IN-WALL BLOCKING
E04	MICROWAVE	PER OWNER		OFOI	
E05	COPIER	PER OWNER		OFOI	
E06	PRINTER	PER OWNER		OFOI	
E07	SHREDDER	PER OWNER		OFOI	
E08	W.O.W.	PER OWNER		OFOI	
E09	FRIDGE	PER OWNER		OFOI	
TA01	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	CFCI	
TA03	TOILET TISSUE DISPENSER LARGE	BOBRICK	B-27460	CFCI	
TA04	SANITARY NAPKIN DISPOSAL	BOBRICK	B-353 (Recessed)	CFCI	
TA05	GRAB BARS - 12" VERTICAL 36" REAR 42" SIDE	BOBRICK	B-8606	CFCI	
TA05A	GRAB BAR - REAR WALL	BOBRICK	B-6806-36	CFCI	
TA05B	GRAB BAR - VERTICAL	BOBRICK	B-6806-18	CFCI	
TA05C	GRAB BAR - SIDE WALL	BOBRICK	B-6806-42	CFCI	
TA06	SOAP DISPENSER	PER OWNER		OFCI	
TA07	PAPER TOWEL DISPENSER	PER OWNER		OFCI	
TA08	RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK	B-39747	CFCI	
TA10	FRAMED MIRROR 24"X36"	BOBRICK	B-165	CFCI	
TA11	TOILET COMPARTMENT	BOBRICK	B-1082	CFCI	
TA12	TOILET COMPARTMENT ADA	BOBRICK	B-1082	CFCI	
TA13	5 HOOK COAT RACK	PER OWNER		OFCI	
TA14	MOP HOLDER	BOBRICK	B-223-36	CFCI	
TA15	SHELF STANDARD	METRO	24"X14"	CFCI	POWDERCOAT



PHYSICIANS' WORKROOM A1

1/4" = 1'-0"

FLOOR PLAN NOTES

A. ALL DIMENSIONS ARE TO GRID LINE, FACE OF CONCRETE OR MASONRY, OR FACE OF STRUCTURE, UNLESS OTHERWISE NOTED.
B. ALL FLOOR PLAN DIMENSIONS TO MASONRY ARE NOMINAL DIMENSIONS, UNLESS NOTED AS ACTUAL.
C. ALL ANGLES SHOWN ON THE FLOOR PLANS ARE 90 DEGREES UNLESS OTHERWISE NOTED.
D. ALL SPOT ELEVATIONS SHOWN ON THE FLOOR PLANS OUTSIDE THE BUILDING RELATE TO USGS ELEVATIONS. ALL SPOT ELEVATIONS INSIDE THE BUILDING REFER TO BUILDING REFERENCE ELEVATIONS. NOTIFY ARCHITECT IMMEDIATELY SHOULD CONDITIONS BE FOUND CONTRADICTORY TO THESE DRAWINGS. 100'-0" = 5280.0'
E. FURNISHINGS (SHOWN DASHED) ARE SHOWN FOR GENERAL COORDINATION. REFER TO 'I' SERIES FOR COMPLETE SCOPE OF WORK.
F. EQUIPMENT (SHOWN DASHED) SHOWN FOR COORDINATION ONLY. REFER TO EQUIPMENT DRAWINGS FOR DIMENSIONS. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH MANUFACTURER AND/OR WITH REUSED OR EXISTING EQUIPMENT.
G. IN ROOMS WITH FLOOR DRAINS, SLOPE CONCRETE SURFACE WITHIN 18" RADIUS AT 1/4" PER FOOT TOWARD FLOOR DRAIN, UNLESS OTHERWISE INDICATED.
H. DO NOT SCALE DRAWINGS.
I. COORDINATE ALL FLOOR CORE DRILLING WITH EXISTING STRUCTURE.
J. PATCH AND LEVEL FLOOR SUBSTRATES TO RECEIVE NEW WORK AS SCHEDULED.
K. PATCH AND REPAIR CEILING AS REQUIRED FOR NEW LAYOUT. CONTRACTOR TO REPAIR ALL CEILINGS TO MATCH EXISTING WHERE PARTITIONS HAVE BEEN DEMOLISHED AND EXISTING CEILING IS TO REMAIN.
L. PATCH WALLS AT REMOVED RECEPTACLE OPENINGS SO AS TO RECEIVE SUBSEQUENT WORK.
M. PATCH EXISTING FIRE-RATED WALLS, FLOORS, CEILINGS, ETC. SO AS TO MAINTAIN THE FIRE-RATING. ADD FIRE-SMOKE DAMPERS WHERE NEW DUCTS CROSS. ADD FIRE STOP AT ALL PENETRATIONS.
N. PATCH EXISTING CONSTRUCTION SCHEDULED TO REMAIN. REPAIRED SURFACES TO BE FLUSH WITH ADJACENT FINISH SURFACES. PATCH, SAND, AND TEXTURE EXISTING SURFACES TO SAME QUALITY AS NEW CONSTRUCTION PRIOR TO INSTALLING NEW FINISHES. REFER TO THE FINISH MANUFACTURER'S GUIDELINES FOR INSTALLATION.
O. PATCH AND REPAIR OPENINGS FROM DEMOLISHED PIPING, CONDUIT, AND DUCTWORK PER S001.

FLOOR PLAN KEY NOTES

#	DESCRIPTION
P01	EXISTING ACCESS PANEL
P03	UPGRADE PARTITION TO ACHIEVE RATING PER NEW PARTITION TYPE. RE: PARTITION TAG AND SCHEDULE
P05	CONFIRM WITH A.H.J. FOR PUSH CLEARANCE VARIANCE FOR EXISTING DOOR OPENING.
P06	INFILL FLOOR AFTER DUCT DEMOLITION
P07	PROVIDE 20 GA. SHEET METAL UP TO 8'-0" ENTIRE LENGTH OF WALL FOR IN-WALL BLOCKING. COORDINATE HEIGHT WITH SUPPLY STORAGE VENDOR.
P08	INFILL FLOOR AFTER DUCT DEMOLITION. REFERENCE A1/S001
P09	SEAL HEAD AND SILL OF PERIMETER WALL FOR PRESSURIZATION
P10	MAINTAIN OWNER ACCESS TO 2W06 AND 2W07 THROUGHOUT CONSTRUCTION

KEY PLAN

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1 HOSPITAL DRIVE, COLUMBIA, MO 65212

REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A401

ENLARGED PLANS

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

8/6/2021 12:11:48 PM BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Spkce 2W.rvt

ACCESSORY SCHEDULE					
Type	Description	Manufacturer	Model	Procurement	Procure
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E05	COPIER	PER OWNER		OFOI	
E06	PRINTER	PER OWNER		OFOI	
E07	SHREDDER	PER OWNER		OFOI	
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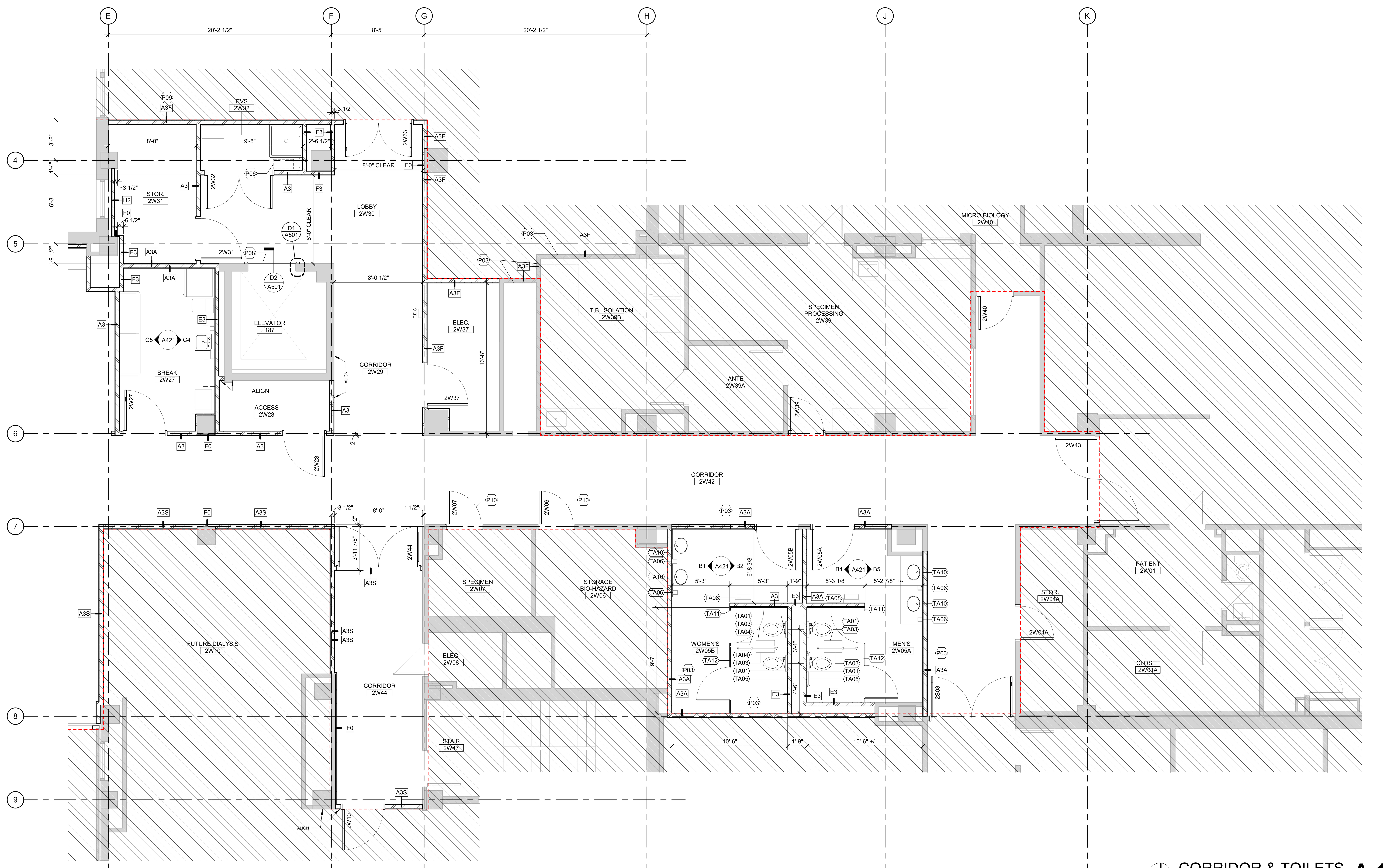
TA14	MOP HOLDER	BOBRICK	B-223-36	CFCI	
TA15	SHELF STANDARD	METRO	24"X14"	CFCI	POWDERCOAT



CORRIDOR & TOILETS A1
1/4" = 1'-0"

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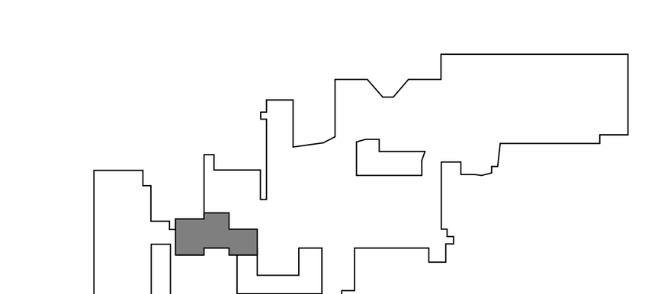

KEY PLAN

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A402

ENLARGED PLANS

BID DOCUMENTS

Date: 08/10/2021
TreanorHL Project Number: HC0728.2101.00
MU Project Number: CP210701
BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt
8/6/2021 12:11:48 PM

ACCESSORY SCHEDULE					
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E05	COPIER	PER OWNER		OFOI	
E06	PRINTER	PER OWNER		OFOI	
E07	SHREDDER	PER OWNER		OFOI	
E08	W.O.W.	PER OWNER		OFOI	
E09	FRIDGE	PER OWNER		OFOI	
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TA05A	GRAB BAR - REAR WALL	BOBRICK	B-6806-36	CFCI	
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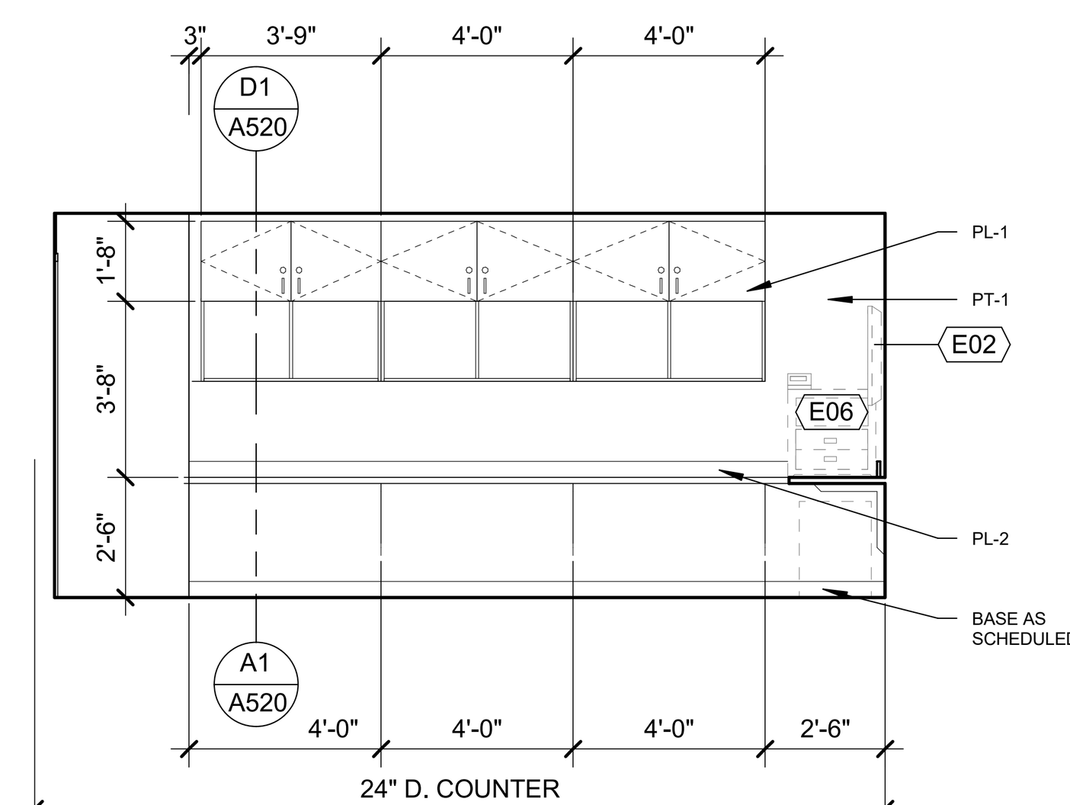
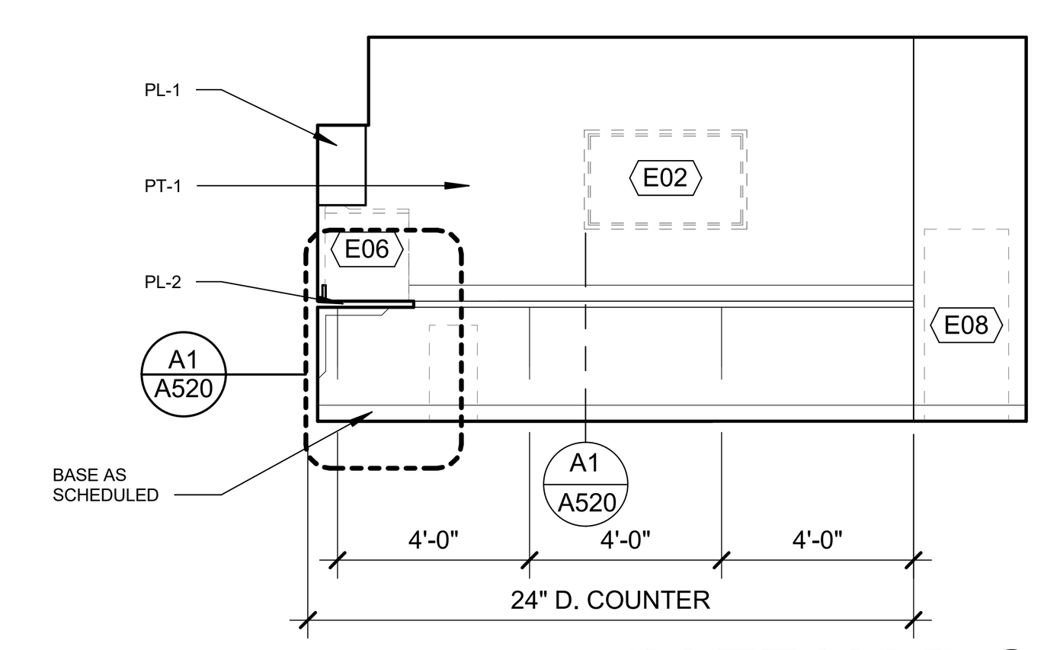


IM TEAM D CASEWORK D4
1/4" = 1'-0"



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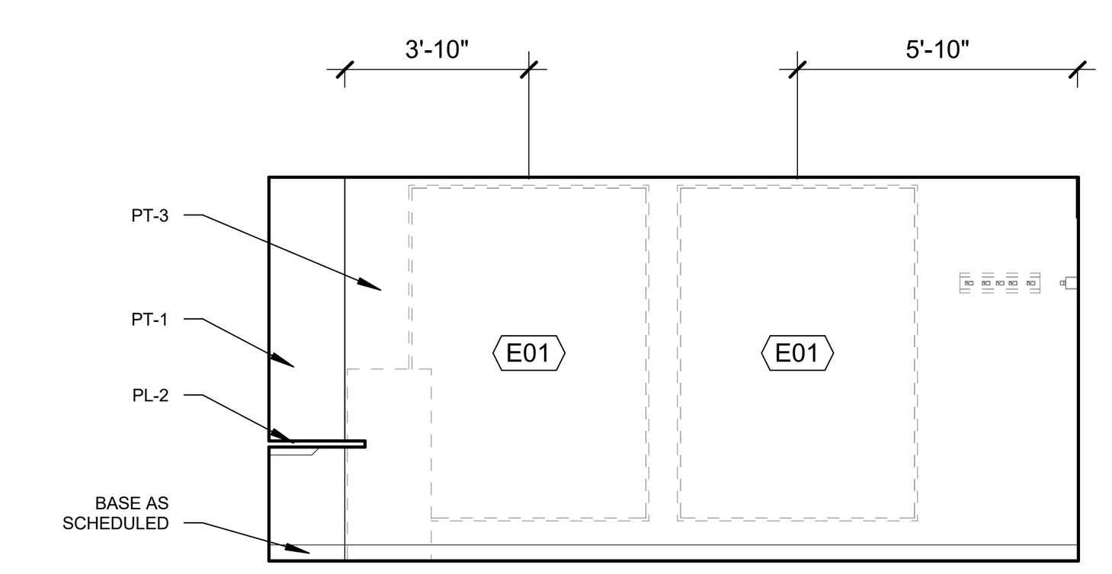
1/4" = 1'-0"



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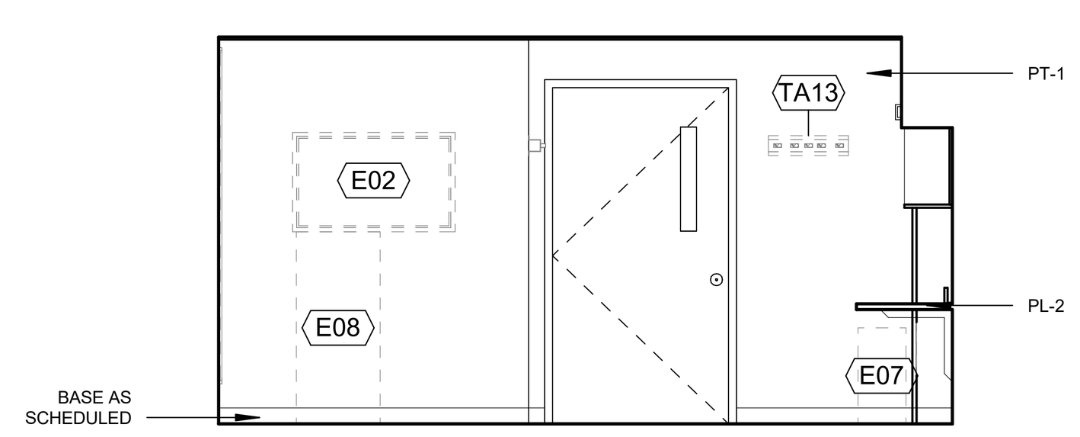
1/4" = 1'-0"



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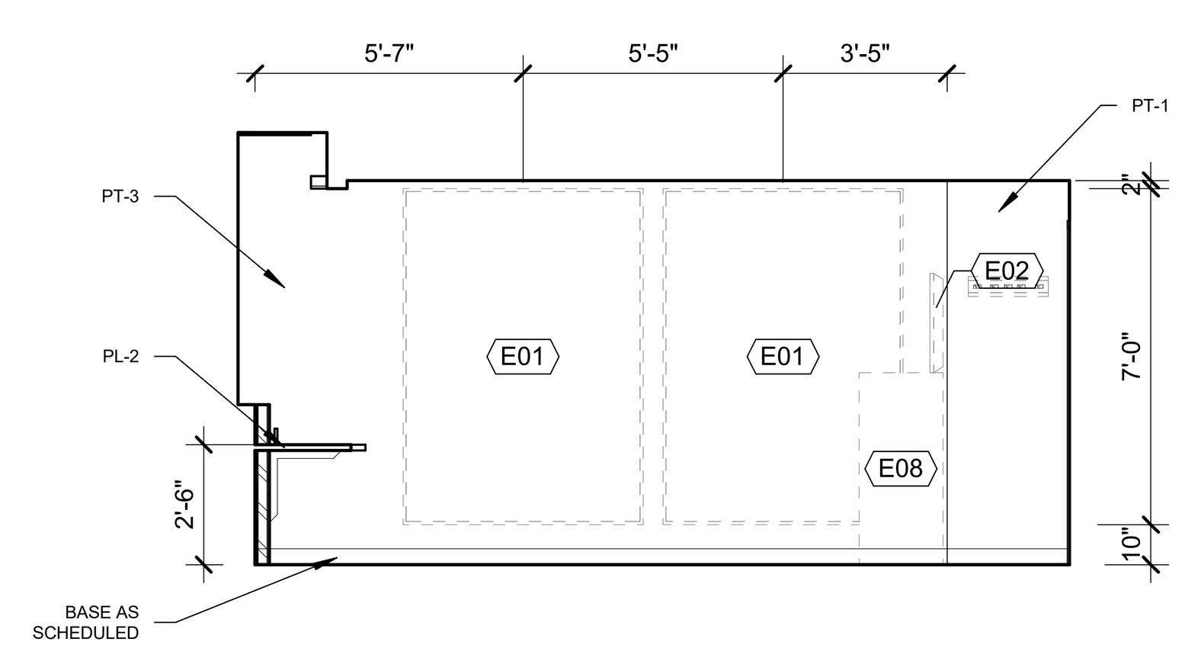
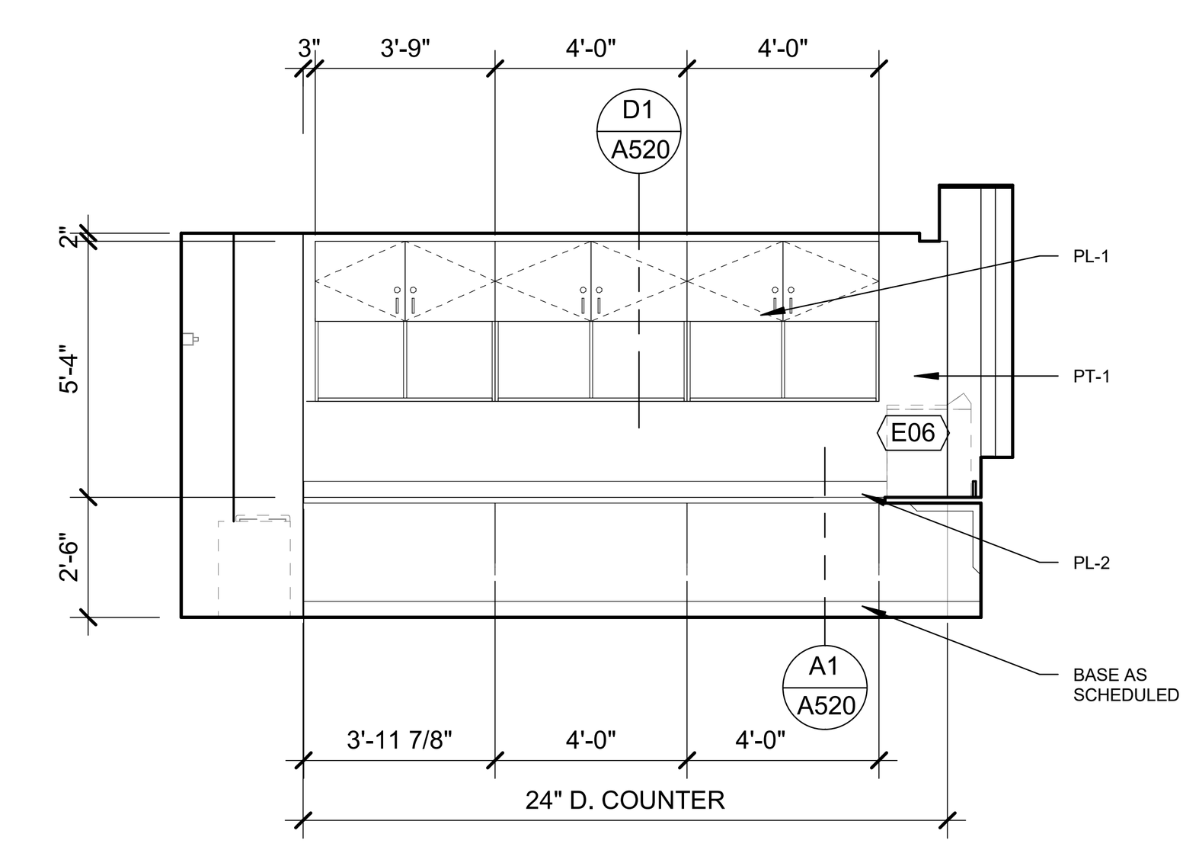
1/4" = 1'-0"



IM TEAM C MARKERBOARD C4
1/4" = 1'-0"



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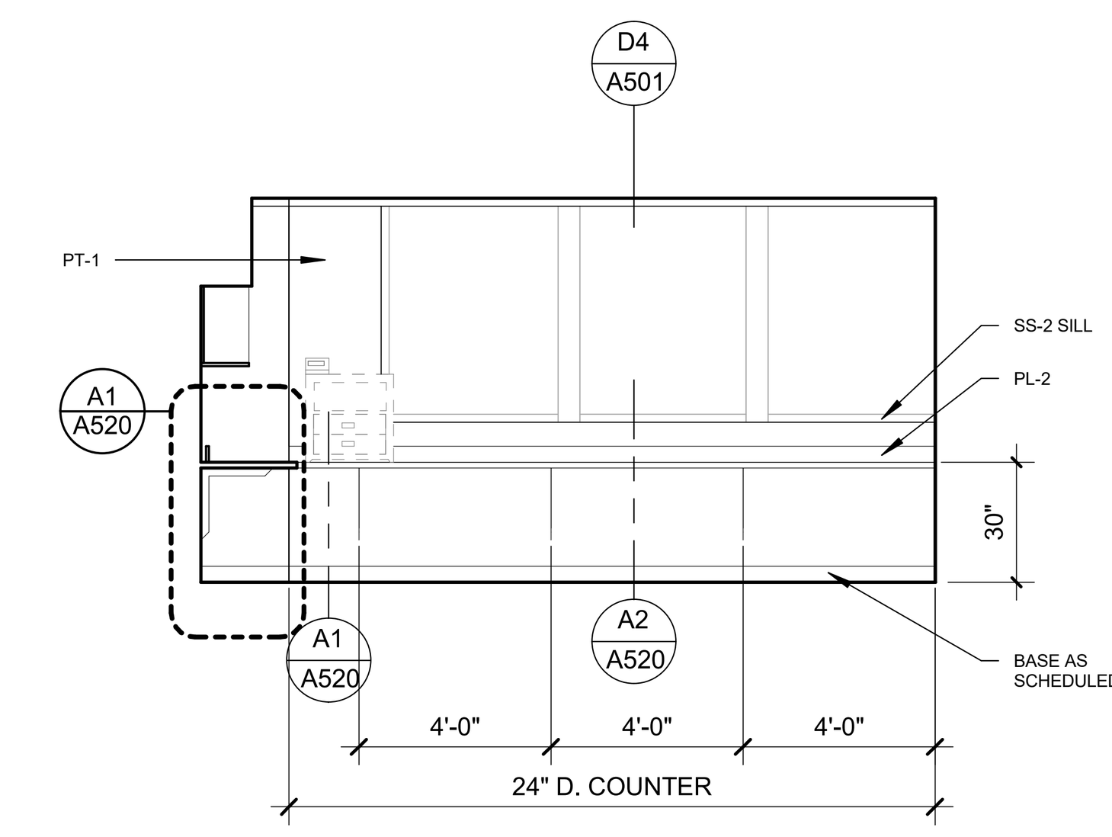
1/4" = 1'-0"



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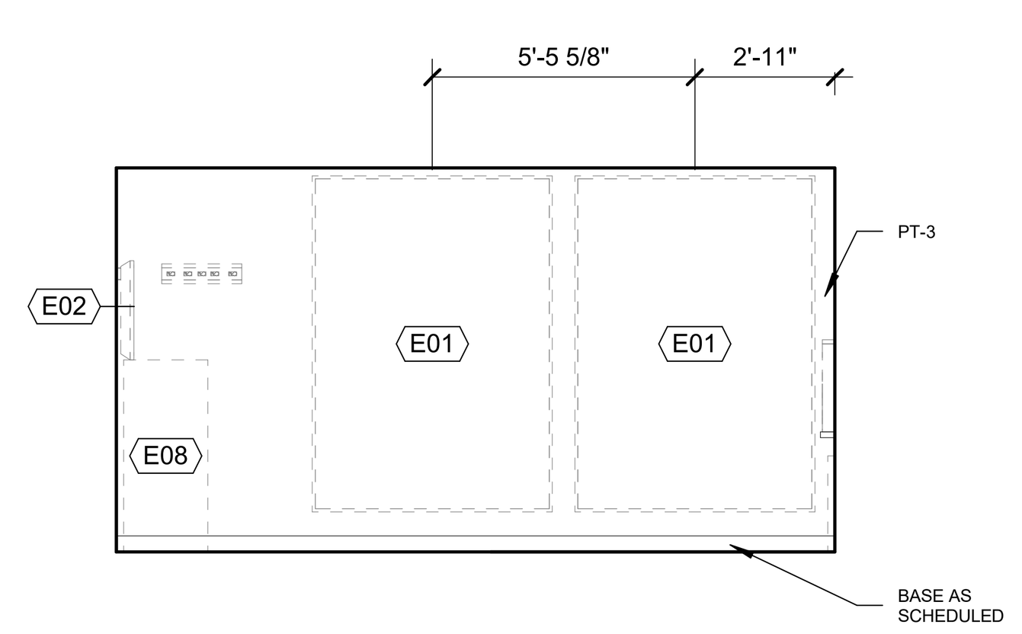
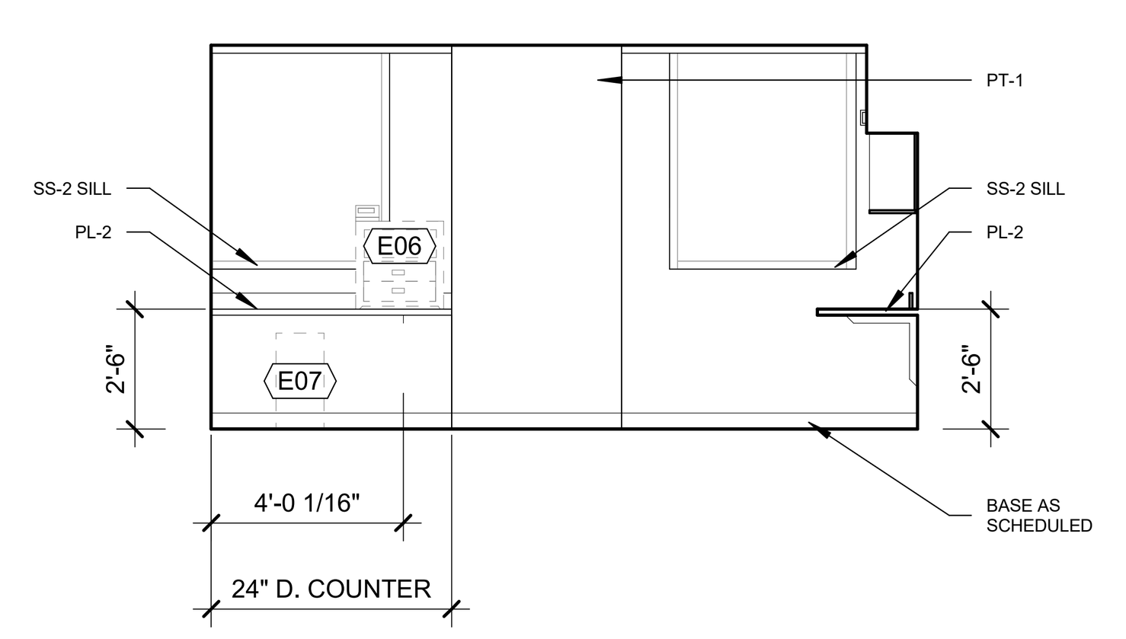
1/4" = 1'-0"



IM TEAM B MARKERBOARD B5
1/4" = 1'-0"



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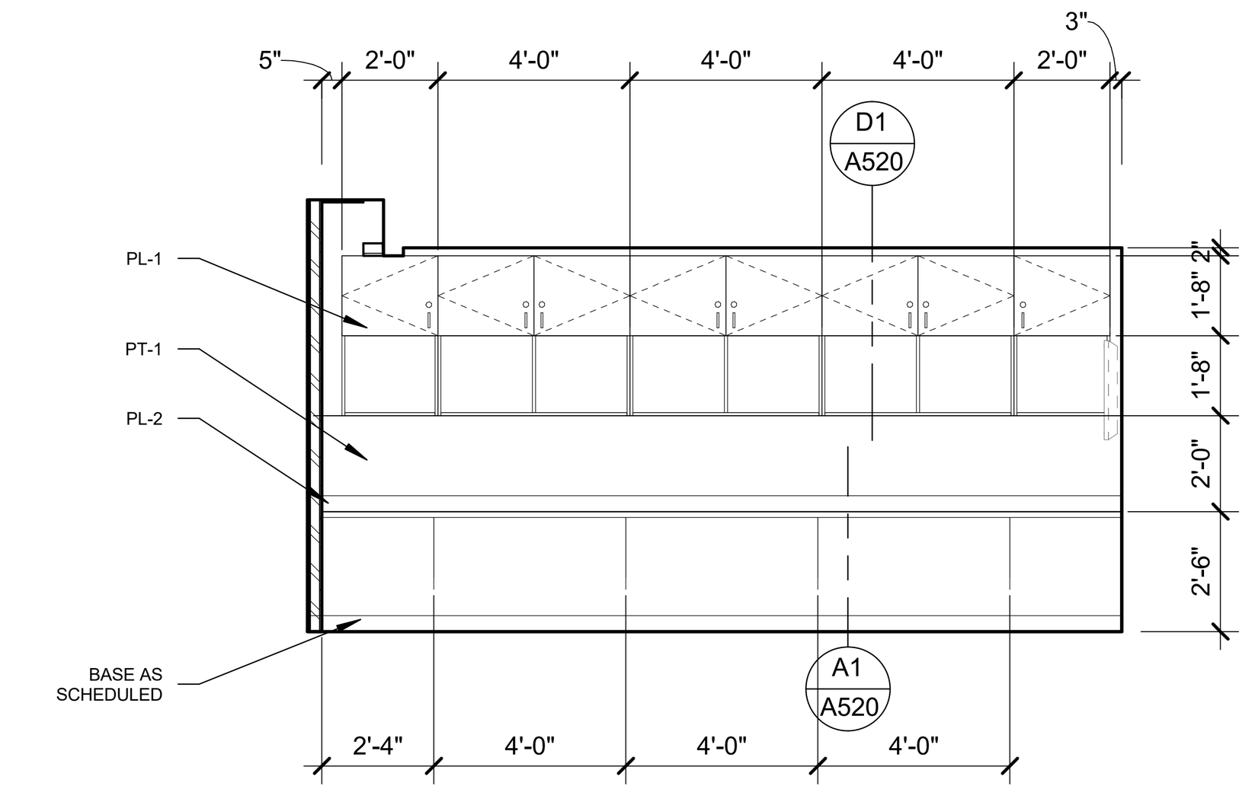
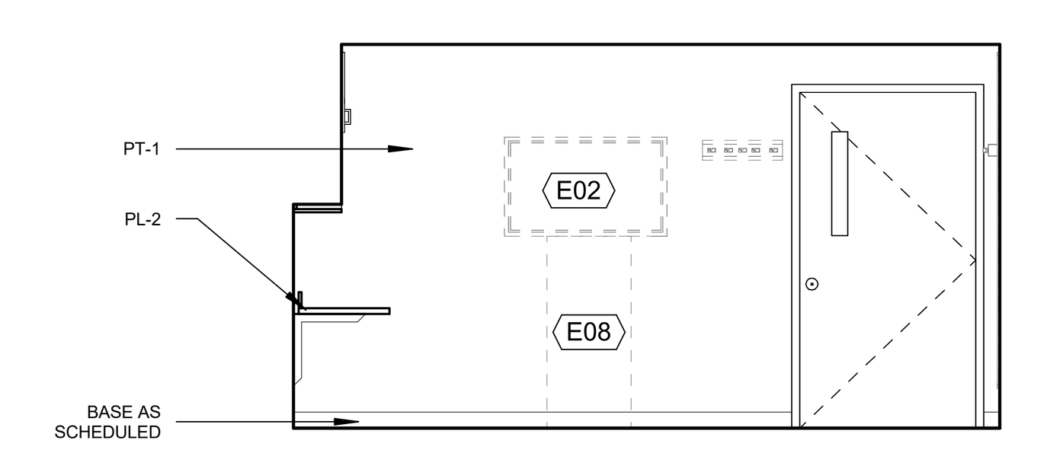
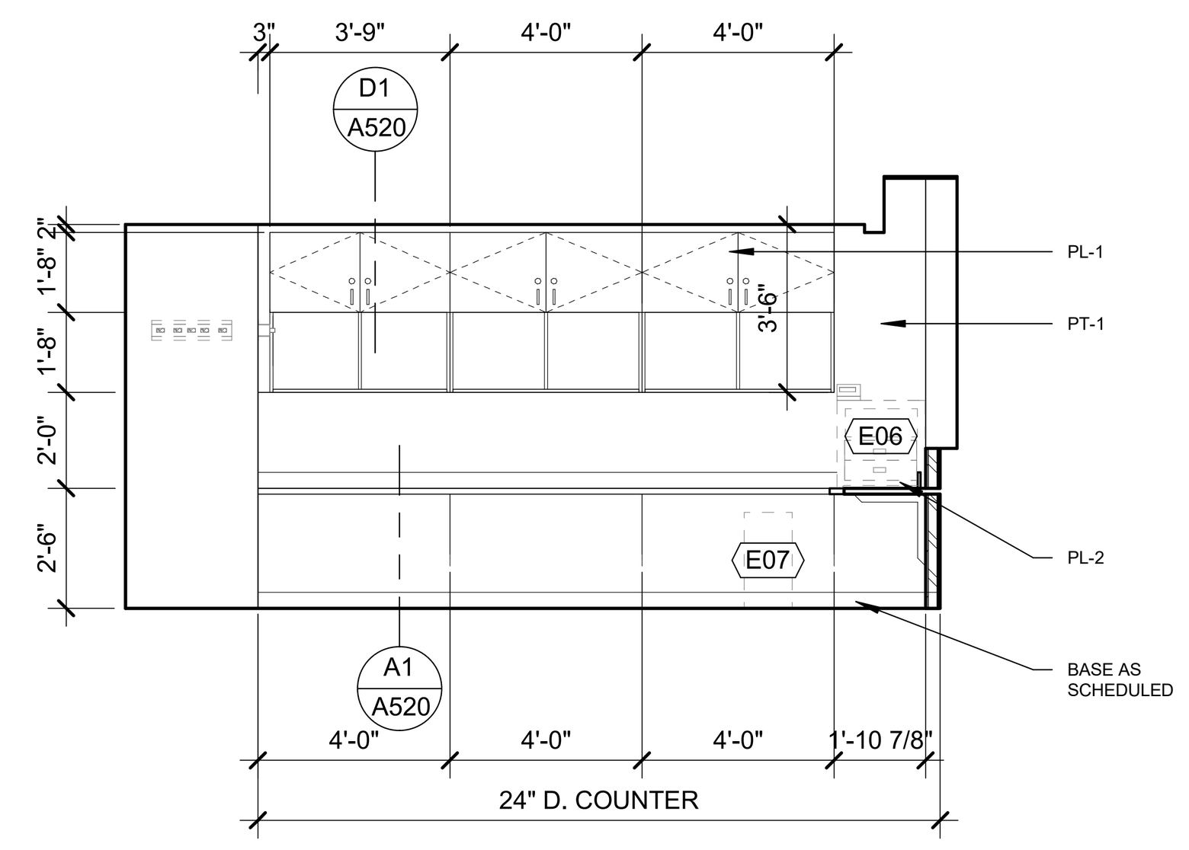


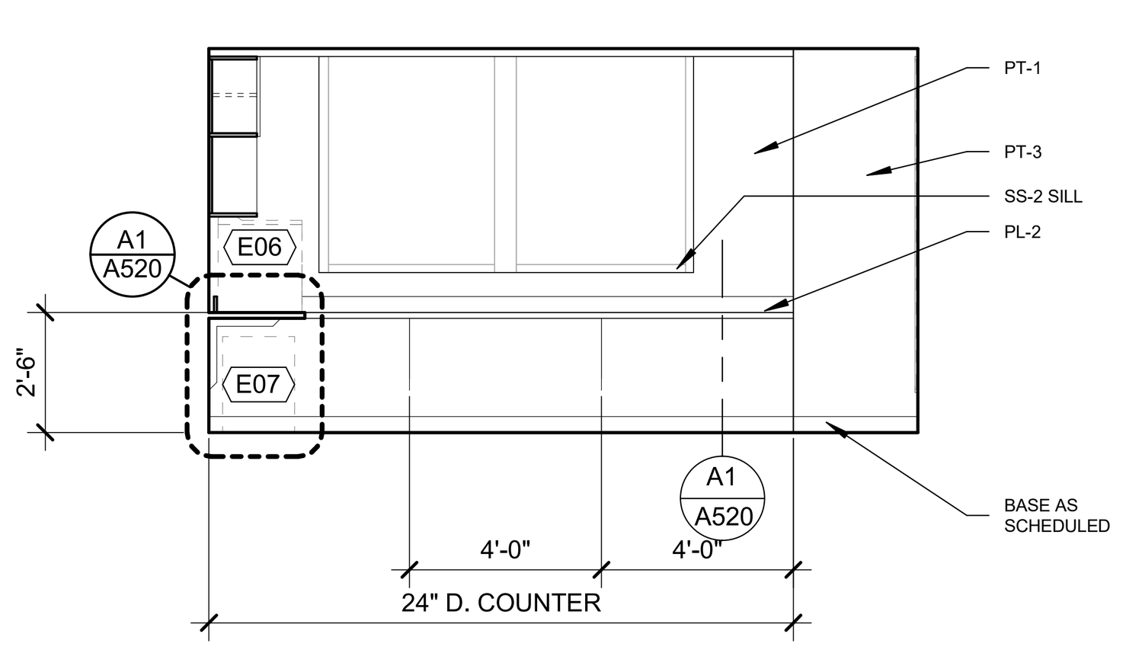
IM TEAM B CASEWORK B2
1/4" = 1'-0"



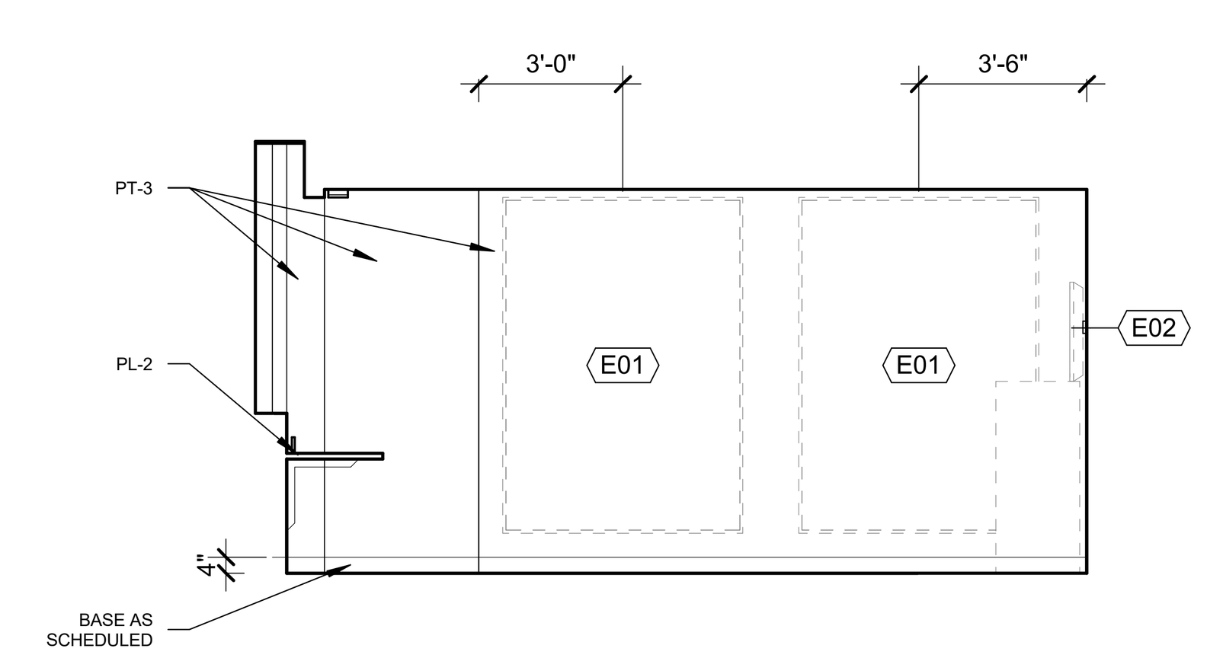
IM TEAM B MONITOR B1
1/4" = 1'-0"



IM TEAM A CASEWORK A5
1/4" = 1'-0"



IM TEAM A COUNTER A4
1/4" = 1'-0"



IM TEAM A MARKERBOARD A2
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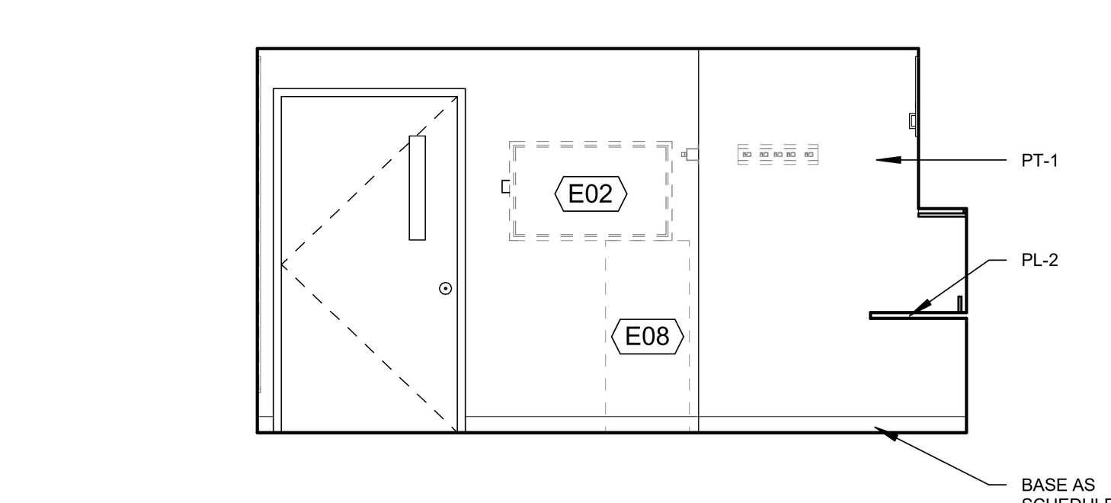
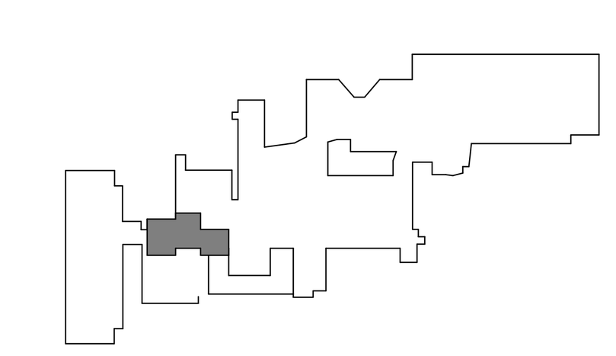


IM TEAM A MONITOR A1
1/4" = 1'-0"

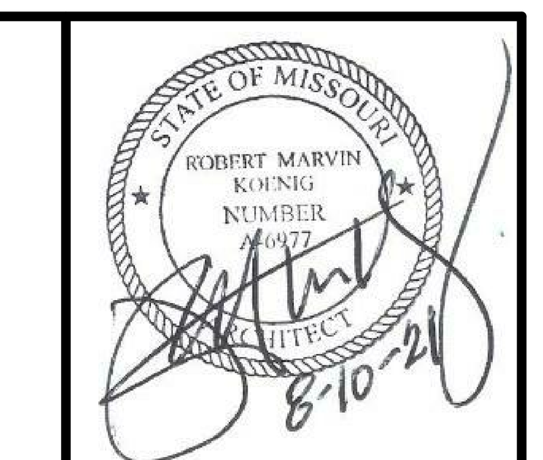
EQUIPMENT KEY

- POWER DUPLEX OUTLET
- EMERGENCY POWER OUTLET
- POWER 4-PLEX OUTLET
- TELEPHONE JACK
- DATA JACK
- LIGHT SWITCH(ES)
- THERMOSTAT
- NURSE CALL
- CASEWORK LOCK
- FINISH FACE OF CASEWORK
- BLANK PLATED PULL BOX

REFERENCE SHEET A701 - MATERIAL FINISH LEGEND - FOR FINISHES CALLED OUT ON ELEVATIONS



KEY PLAN



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Missouri State Certificate of Authority #000087

UNIVERSITY OF MISSOURI TEACHING HOSPITAL

FITOUT SPACE 2W

1 HOSPITAL DRIVE, COLUMBIA, MO 65212

REVISIONS		
RE-ISSUED IN ENTIRETY 08/10/21		
NO	DESCRIPTION	DATE

A420

INTERIOR ELEVATIONS

BID DOCUMENTS

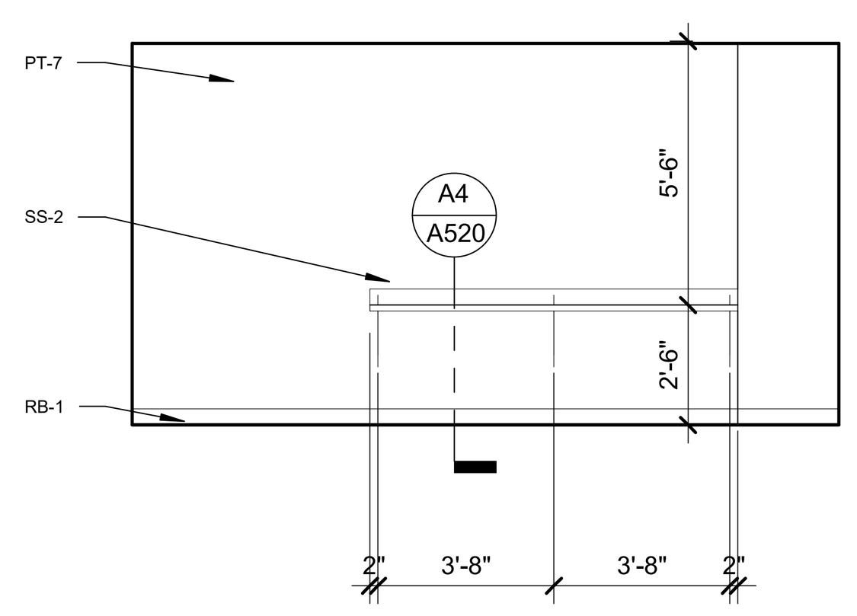
Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

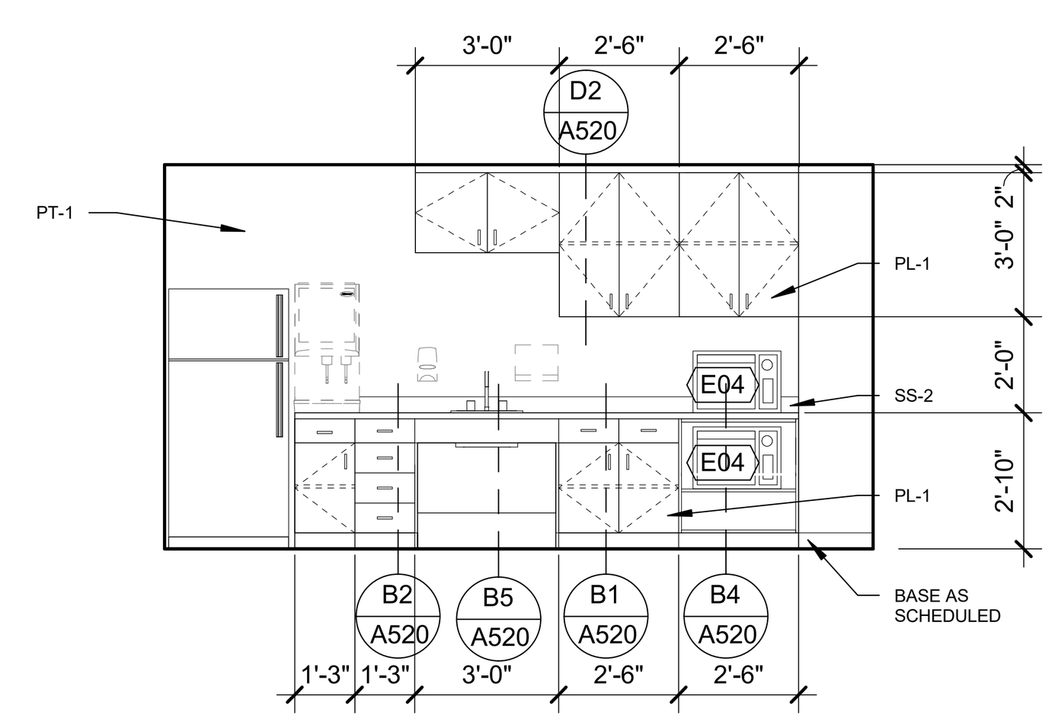
MU Project Number:
CP210701

ACCESSORY SCHEDULE

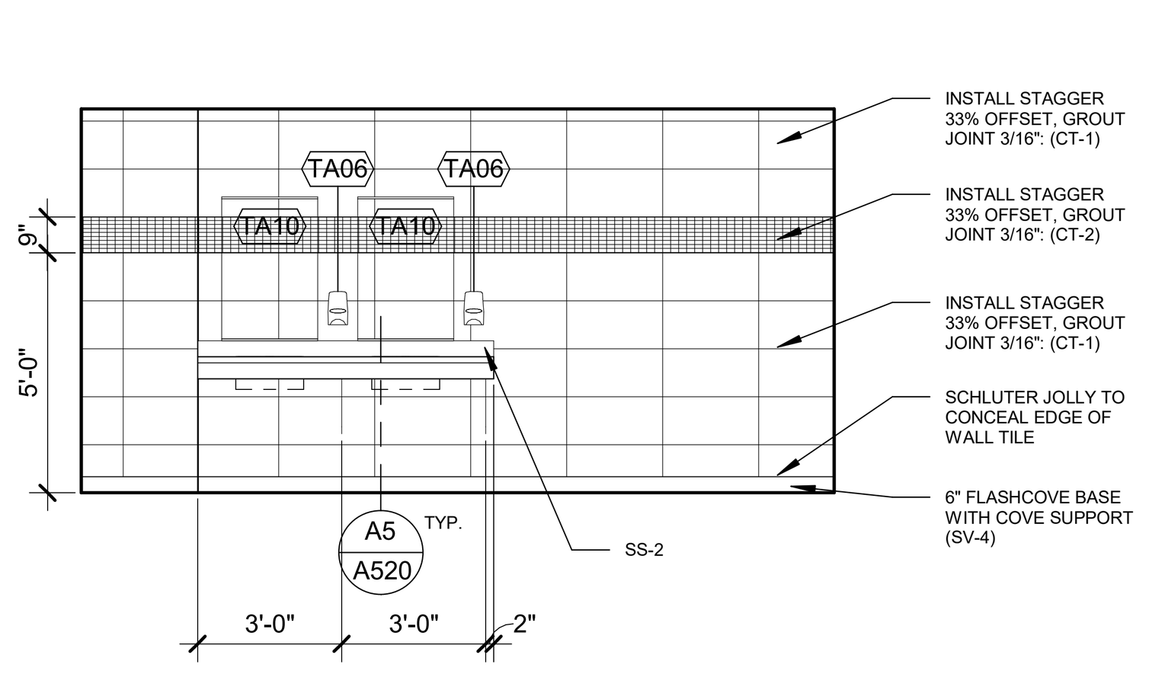
Type	Description	Manufacturer	Model	Procurement	Procure
E01	60"x84" GLASS MARKERBOARD MTD 4'-0" CTR. A.F.F.	PER OWNER		OFCI	PROVIDE IN-WALL BLOCKING
E02	42" MONITOR	PER OWNER		OFOI	PROVIDE IN-WALL BLOCKING
E03	60" MONITOR	PER OWNER		OFOI	PROVIDE IN-WALL BLOCKING
E04	MICROWAVE	PER OWNER		OFOI	
E05	COPIER	PER OWNER		OFOI	
E06	PRINTER	PER OWNER		OFOI	
E07	SHREDDER	PER OWNER		OFOI	
E08	W.O.W.	PER OWNER		OFOI	
E09	FRIDGE	PER OWNER		OFOI	
TA01	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	CFCI	
TA03	TOILET TISSUE DISPENSER LARGE	BOBRICK	B-27460	CFCI	
TA04	SANITARY NAPKIN DISPOSAL	BOBRICK	B-353 (Recessed)	CFCI	
TA05	GRAB BARS - 12" VERTICAL 36" REAR 42" SIDE	BOBRICK	B-8606	CFCI	
TA05A	GRAB BAR - REAR WALL	BOBRICK	B-6806-36	CFCI	
TA05B	GRAB BAR - VERTICAL	BOBRICK	B-6806-18	CFCI	
TA05C	GRAB BAR - SIDE WALL	BOBRICK	B-6806-42	CFCI	
TA06	SOAP DISPENSER	PER OWNER		OFCI	
TA07	PAPER TOWEL DISPENSER	PER OWNER		OFCI	
TA08	RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK	B-39747	CFCI	
TA10	FRAMED MIRROR 24"X36"	BOBRICK	B-165	CFCI	
TA11	TOILET COMPARTMENT	BOBRICK	B-1082	CFCI	
TA12	TOILET COMPARTMENT ADA	BOBRICK	B-1082	CFCI	
TA13	5 HOOK COAT RACK	PER OWNER		OFCI	
TA14	MOP HOLDER	BOBRICK	B-223-36	CFCI	
TA15	SHELF STANDARD	METRO	24"X14"	CFCI	POWDERCOAT



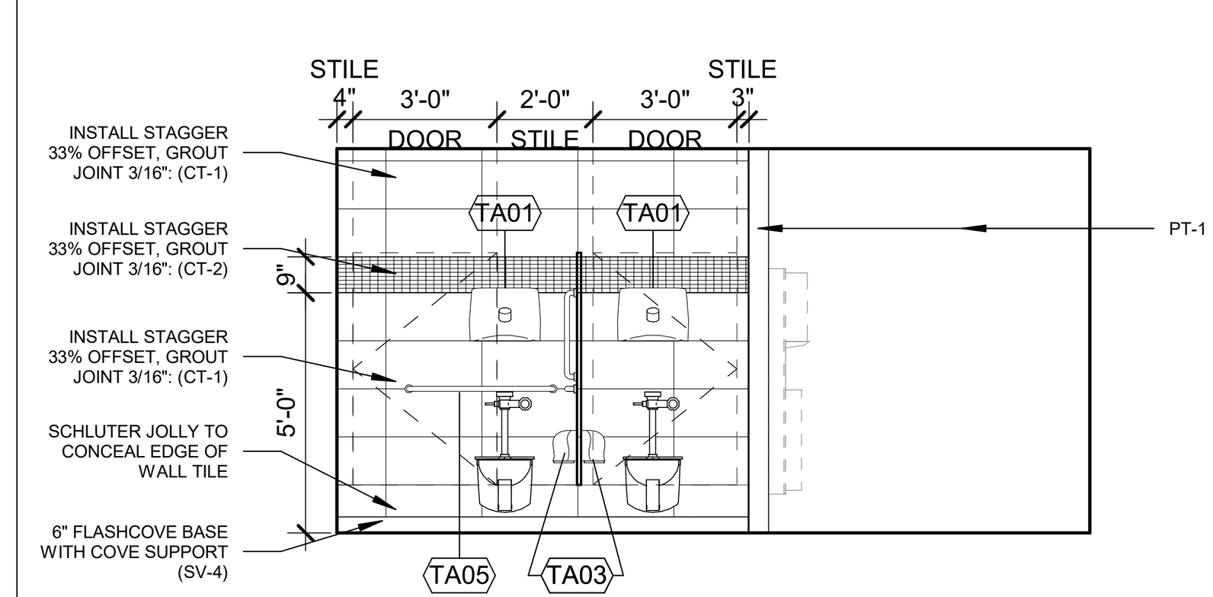
BREAK ROOM - WEST C5
1/4" = 1'-0"



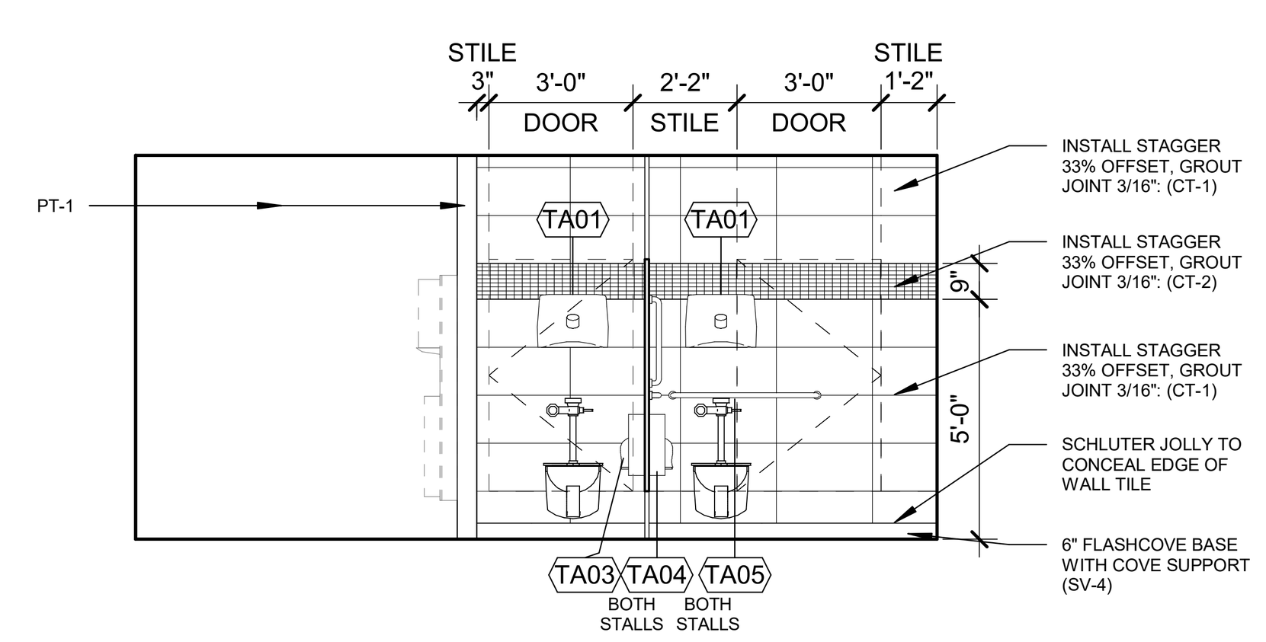
BREAK ROOM - EAST C4
1/4" = 1'-0"



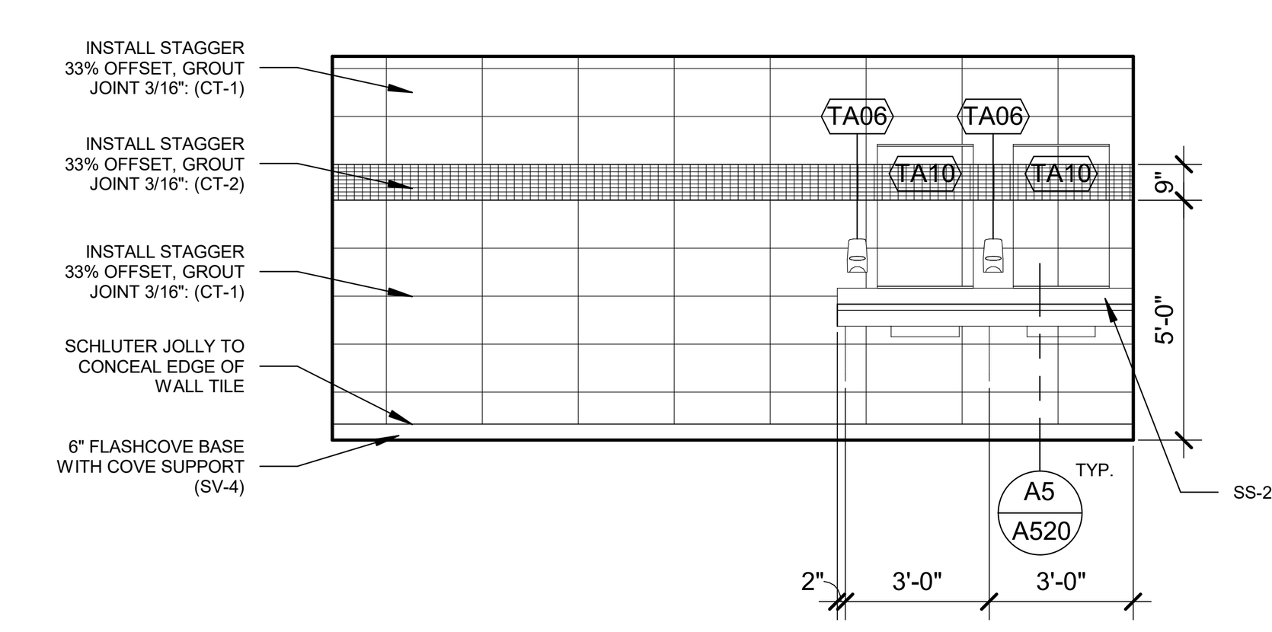
MEN'S RESTROOM - EAST B5
1/4" = 1'-0"



MEN'S RESTROOM - WEST B4
1/4" = 1'-0"



WOMEN'S RESTROOM - EAST B2
1/4" = 1'-0"



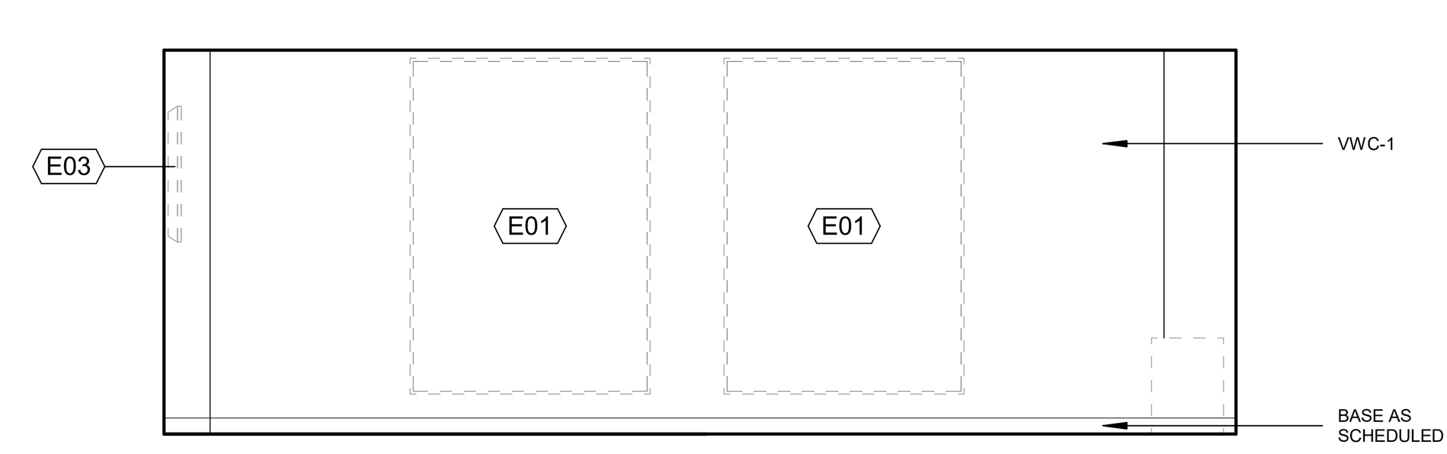
WOMEN'S RESTROOM - WEST B1
1/4" = 1'-0"

EQUIPMENT KEY

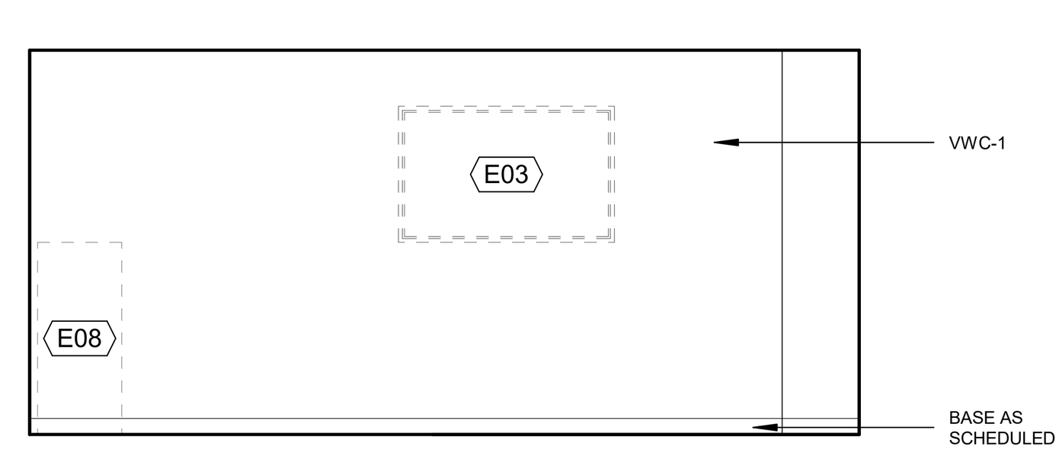
1/4" = 1'-0"

- POWER DUPLEX OUTLET
- EMERGENCY POWER OUTLET
- POWER 4-PLEX OUTLET
- TELEPHONE JACK
- DATA JACK
- LIGHT SWITCH(ES)
- THERMOSTAT
- NURSE CALL
- CASEWORK LOCK
- FINISH FACE OF CASEWORK
- BLANK PLATED PULL BOX

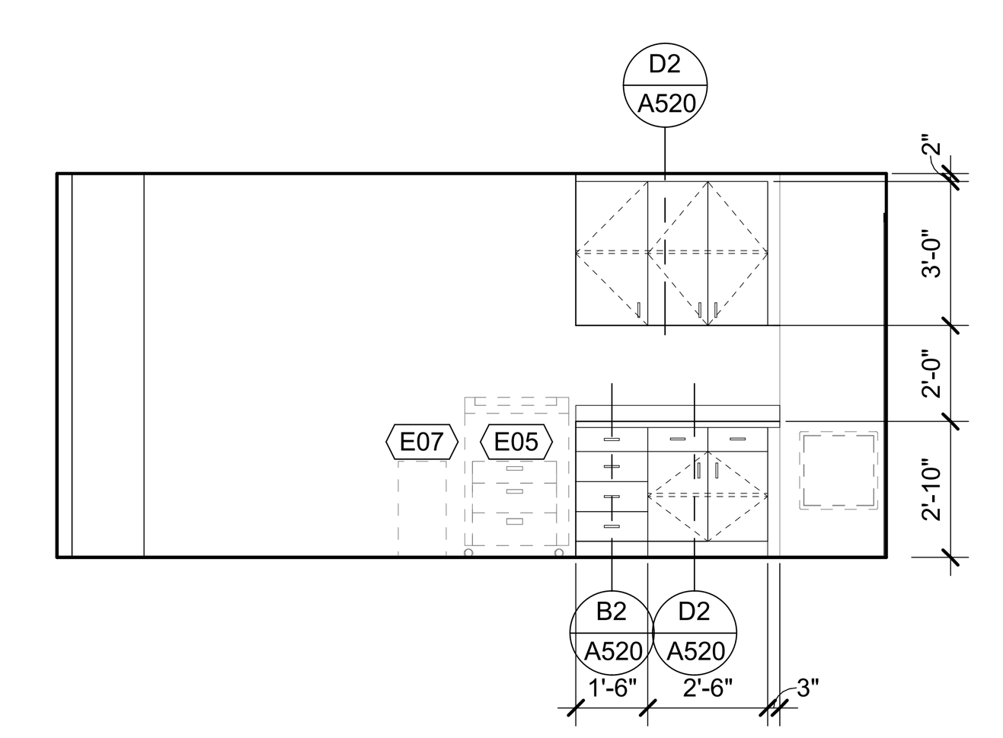
REFERENCE SHEET A701 - MATERIAL FINISH LEGEND - FOR FINISHES CALLED OUT ON ELEVATIONS



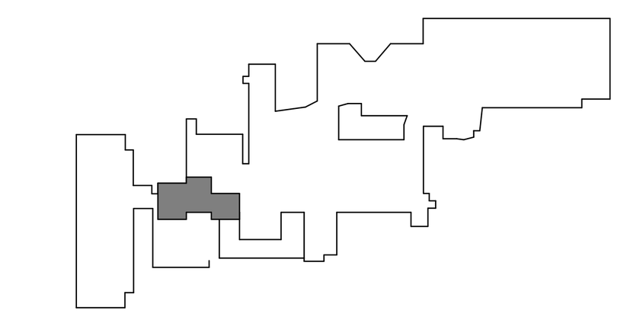
CONFERENCE MARKERBOARD A4
1/4" = 1'-0"



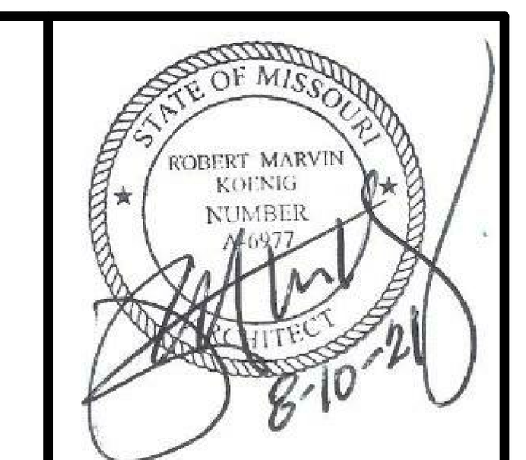
CONFERENCE MONITOR A2
1/4" = 1'-0"



CONFERENCE ROOM - WEST A1
1/4" = 1'-0"



KEY PLAN



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REVISIONS		
RE-ISSUED IN ENTIRETY 08/10/21		
NO	DESCRIPTION	DATE

A421

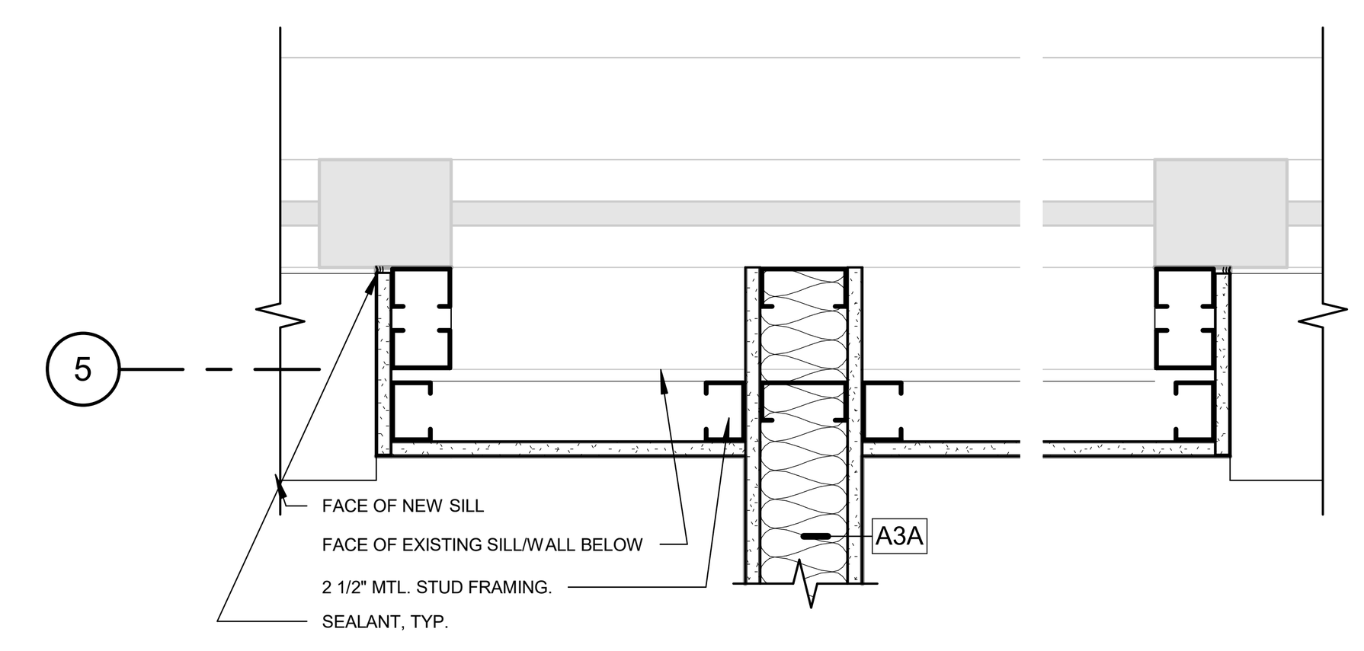
INTERIOR ELEVATIONS

BID DOCUMENTS

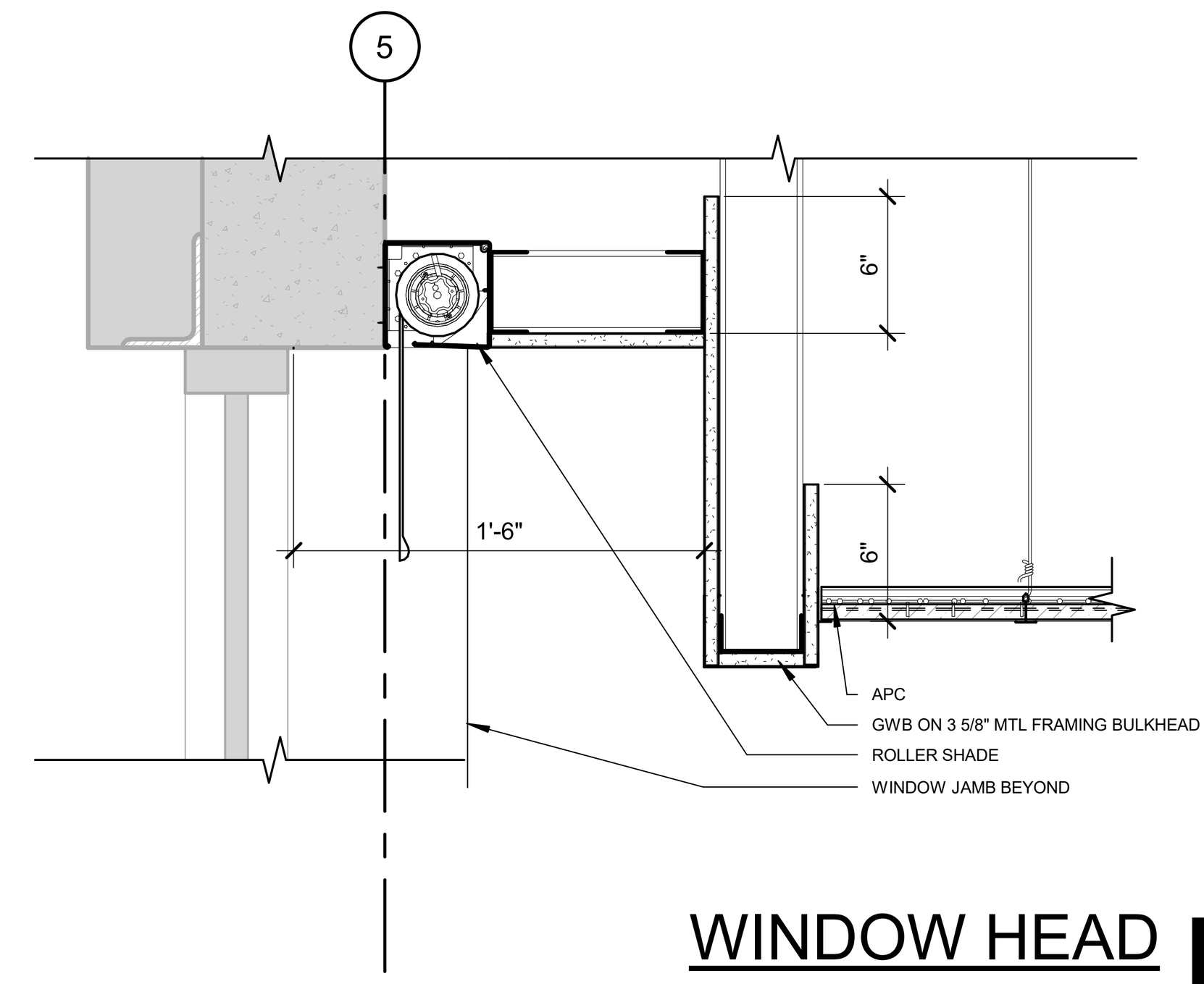
Date: 08/10/2021
TreanorHL Project Number: HC0728.2101.00
MU Project Number: CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt
8/6/2021 12:11:53 PM

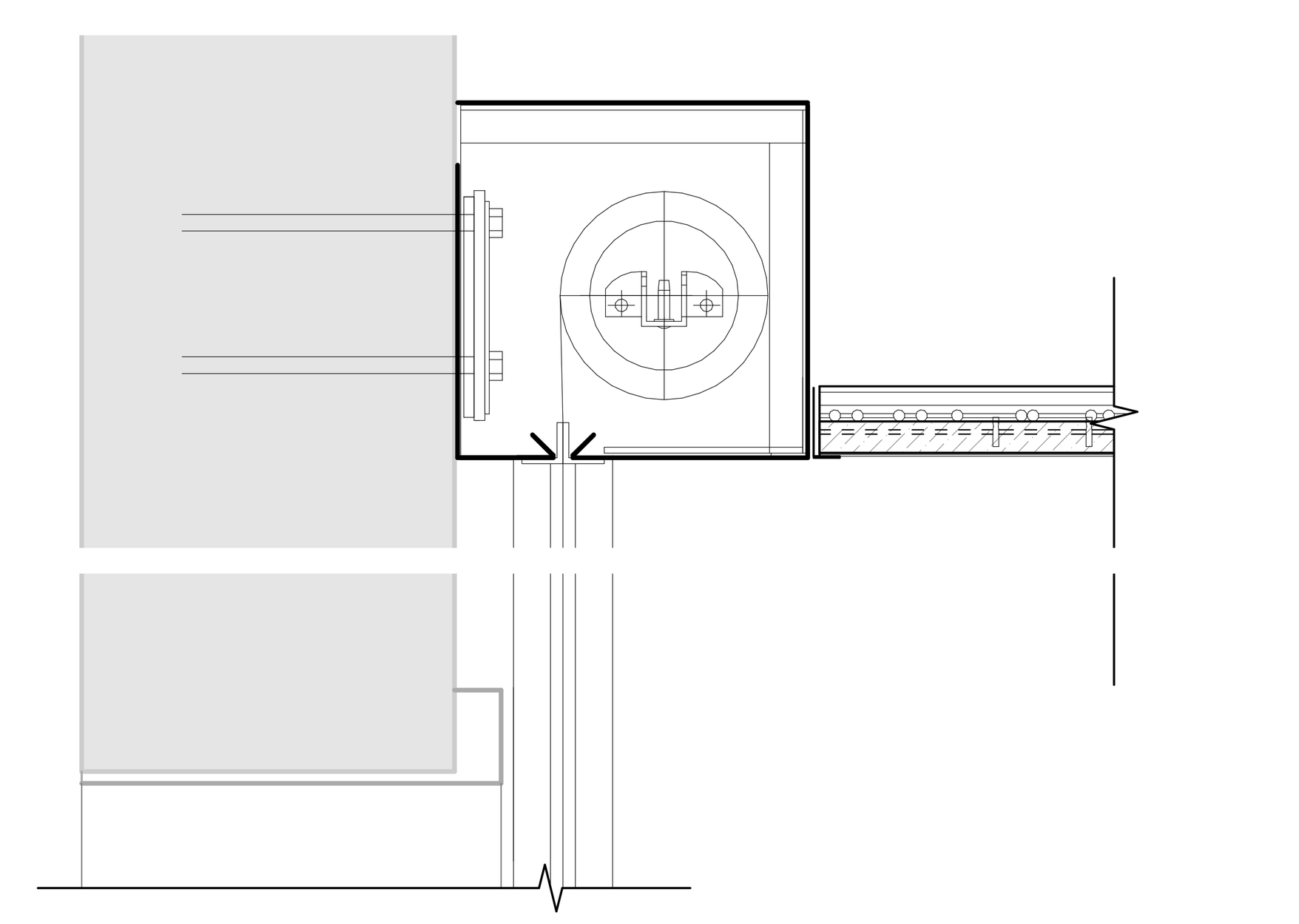
KEYNOTES



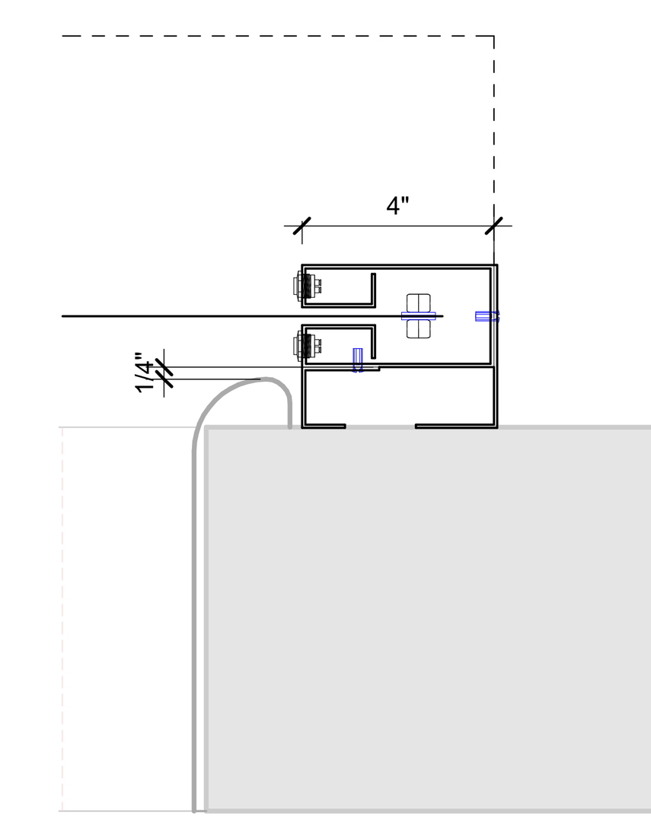
WINDOW FURRING E1
1 1/2" = 1'-0"



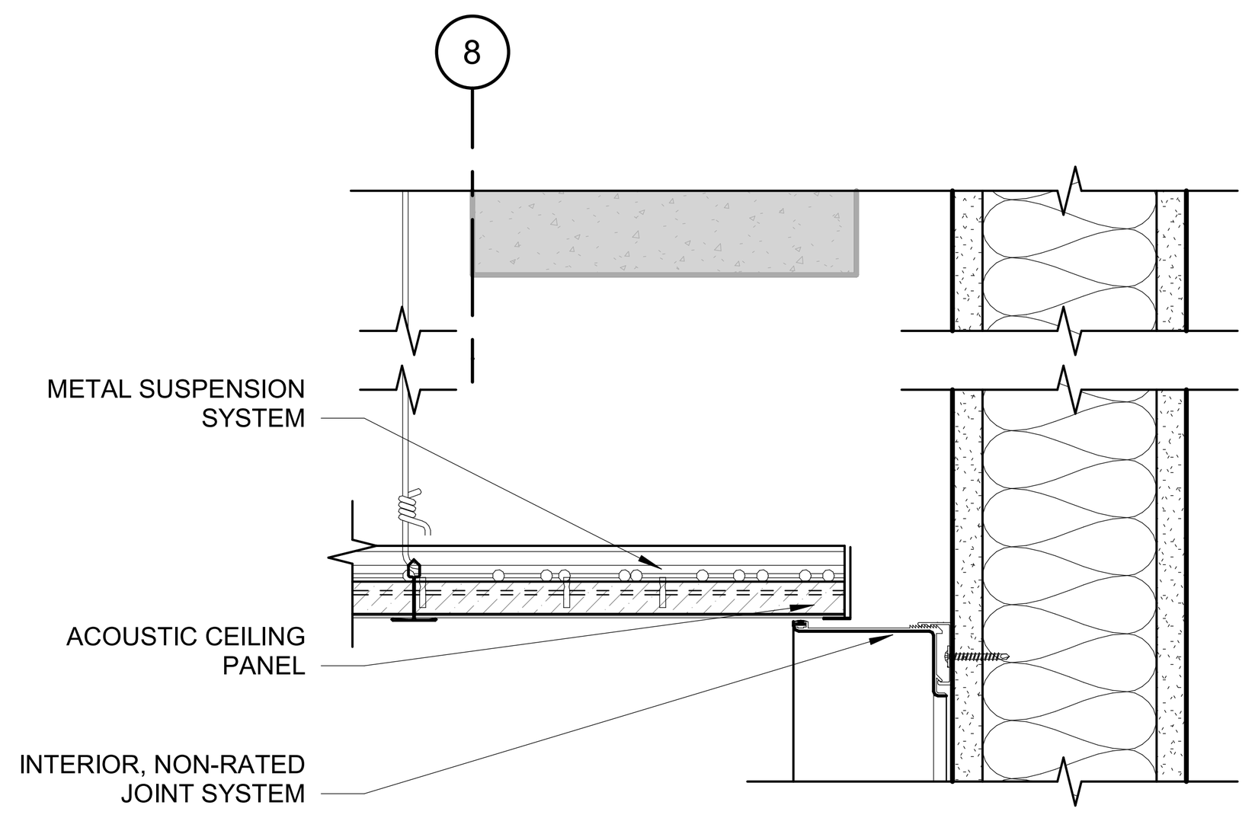
WINDOW HEAD D4
1 1/2" = 1'-0"



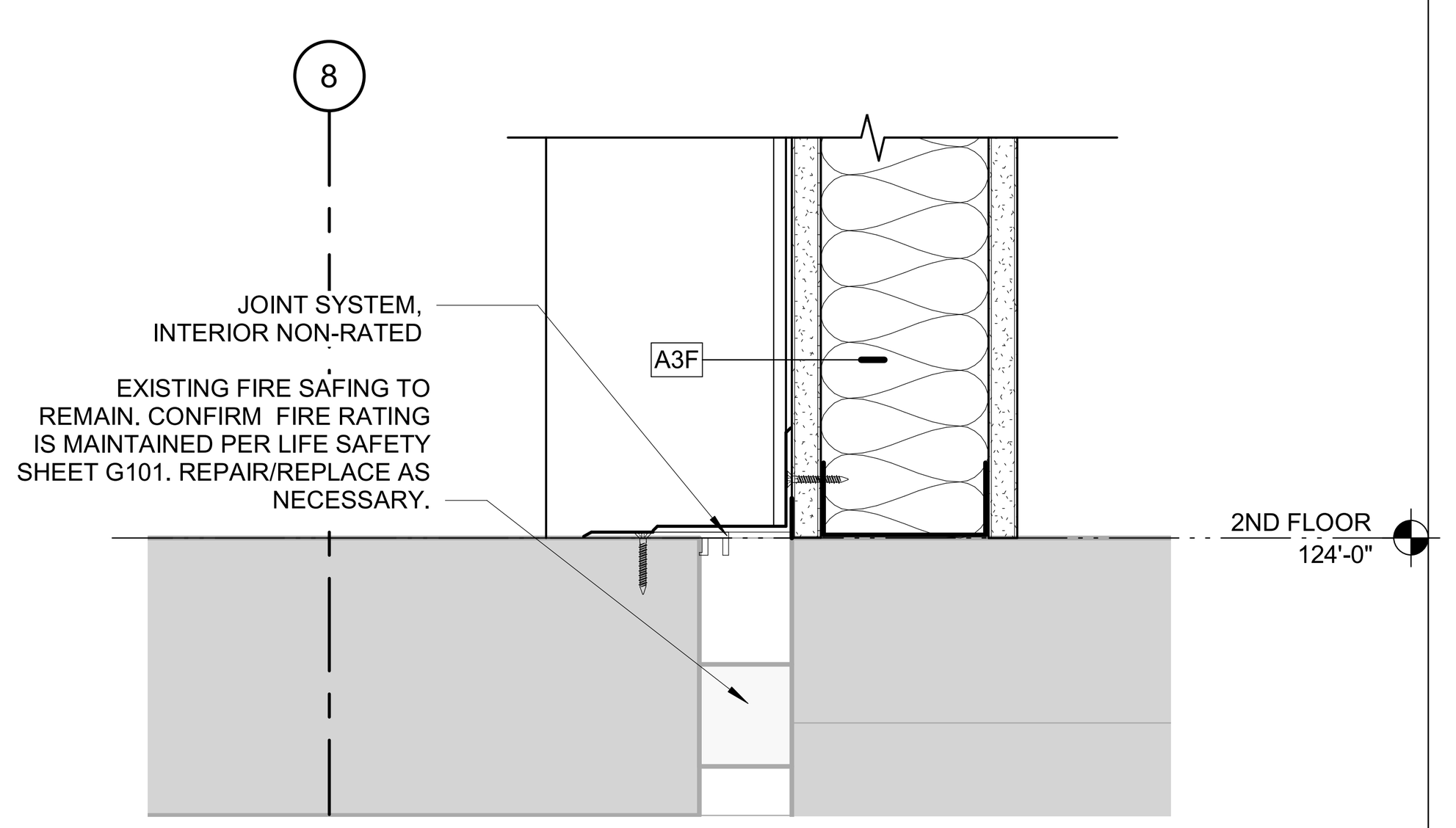
SMOKE CURTAIN HEAD D2
3" = 1'-0"



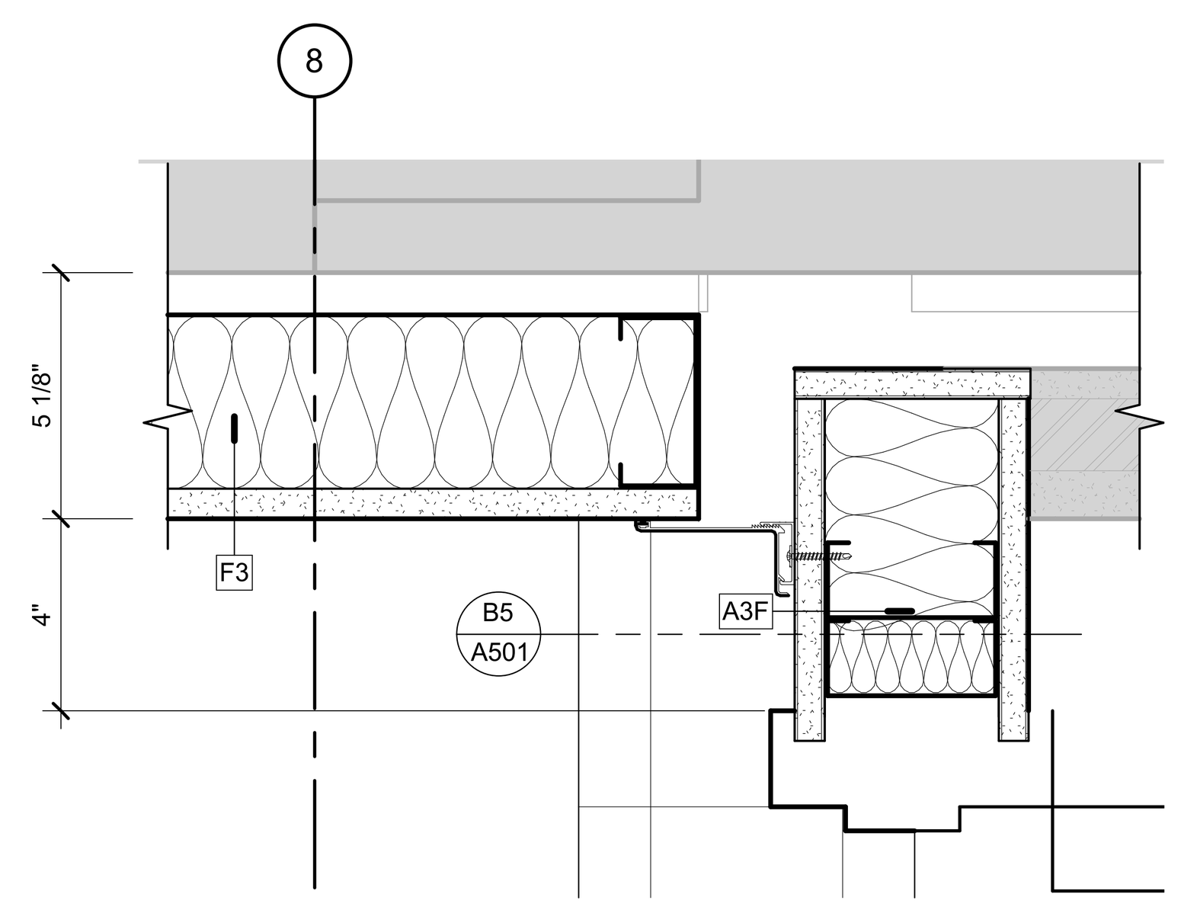
SMOKE CURTAIN JAMB D1
3" = 1'-0"



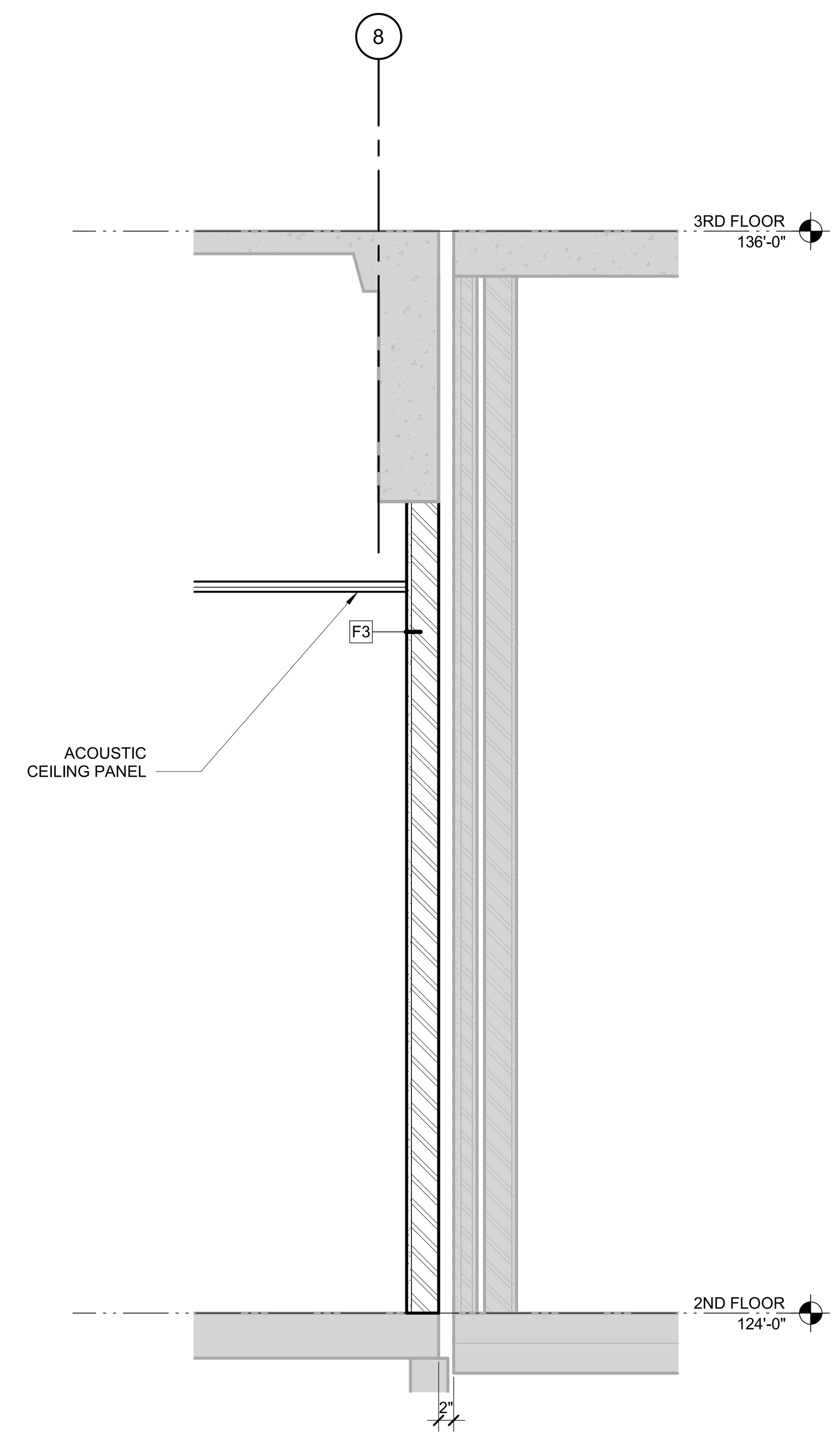
EXPANSION JT @ CEILING C4
3" = 1'-0"



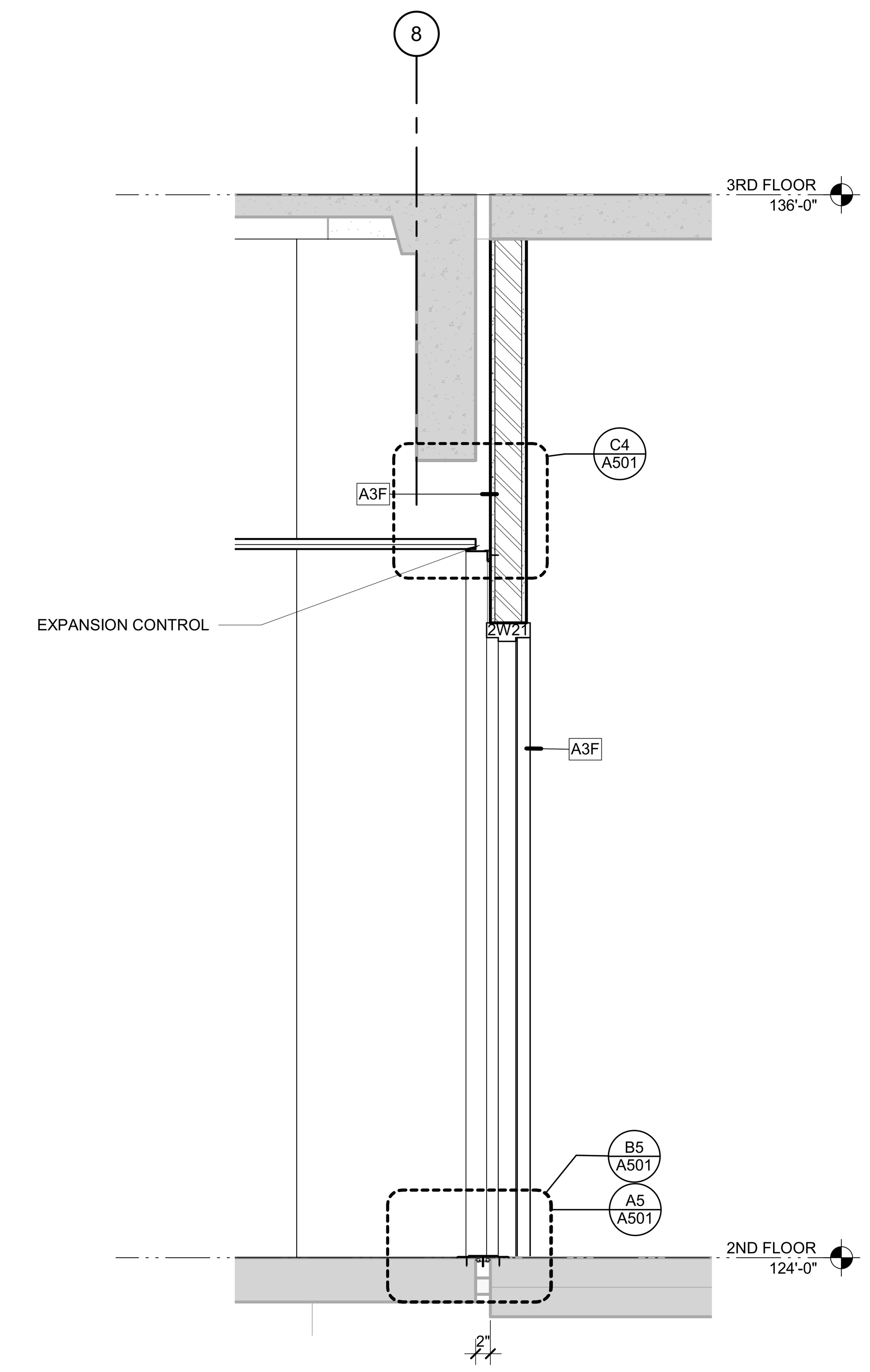
EXPANSION JT @ WALL B5
3" = 1'-0"



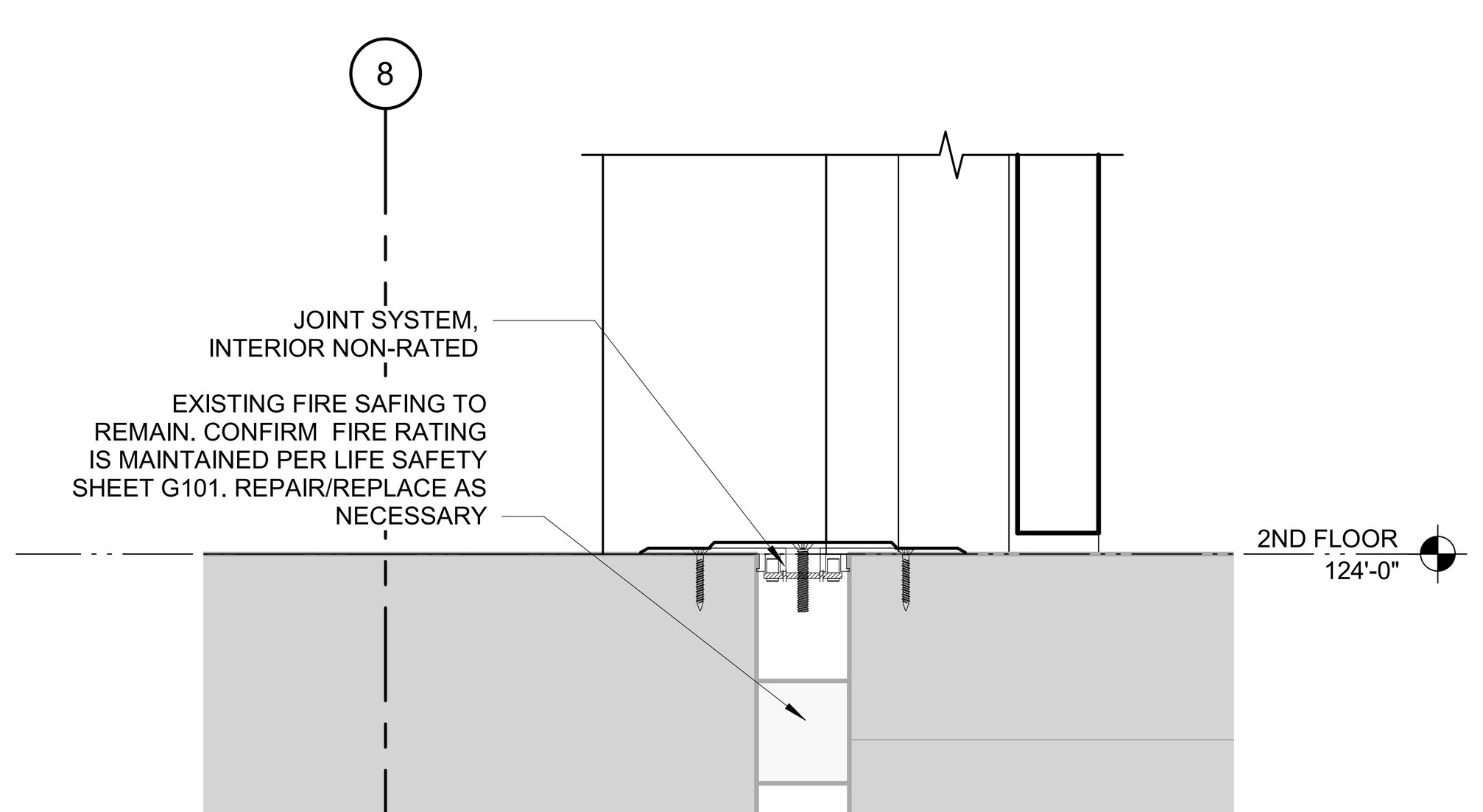
EXPANSION JT @ EAST JAMB B4
3" = 1'-0"



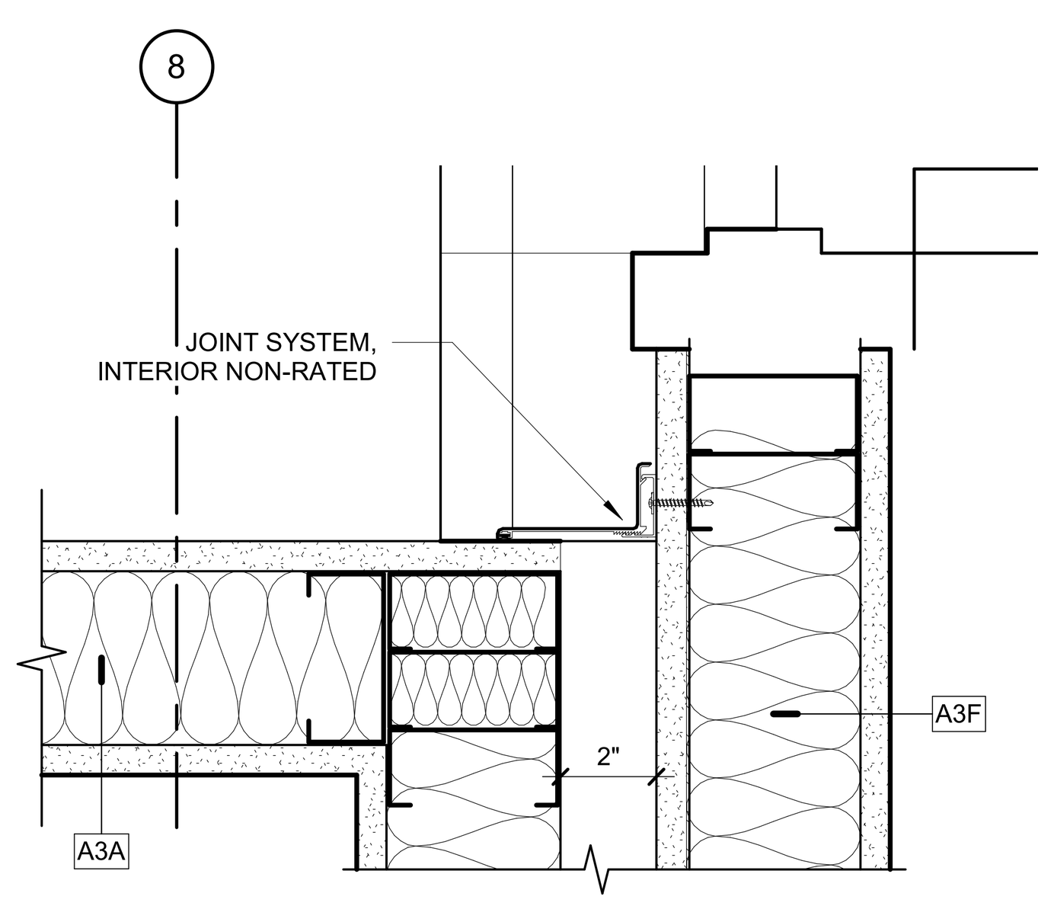
EXPANSION JT @ FURRING A2
3/4" = 1'-0"



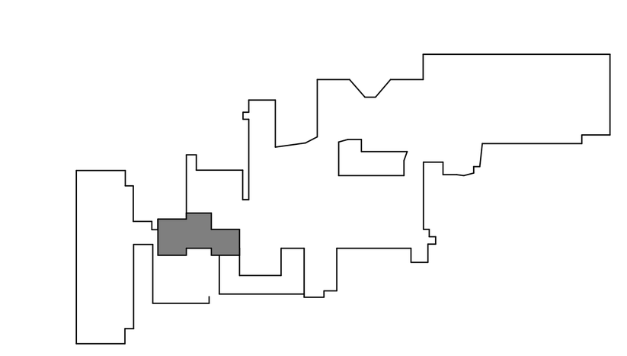
EXPANSION JT @ DOOR A1
3/4" = 1'-0"



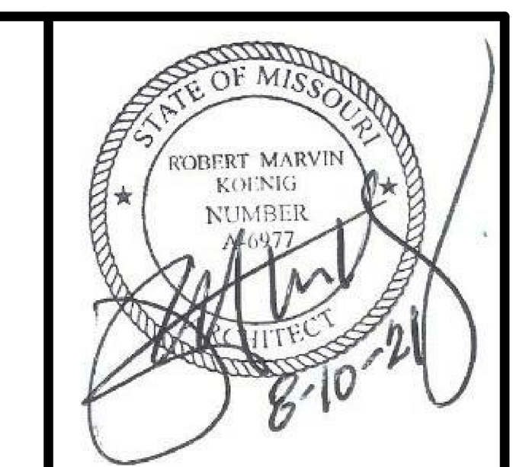
EXPANSION JT @ DOOR THRESHOLD A5
3" = 1'-0"



EXPANSION JT @ WEST JAMB A4
3" = 1'-0"



KEY PLAN



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REVISIONS		
RE-ISSUED IN ENTIRETY 08/10/21		
NO	DESCRIPTION	DATE

A501

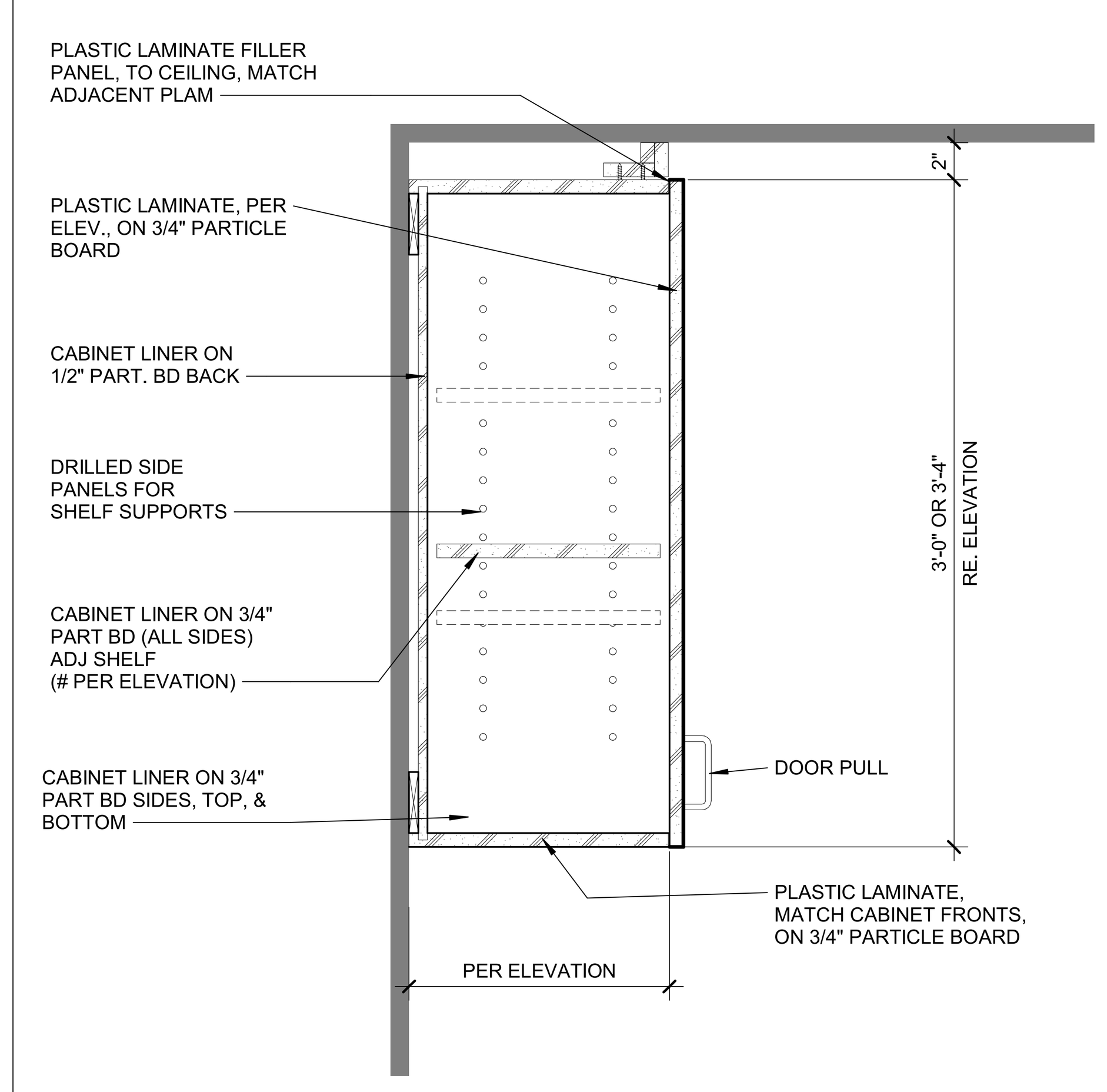
SECTIONS & DETAILS

BID DOCUMENTS

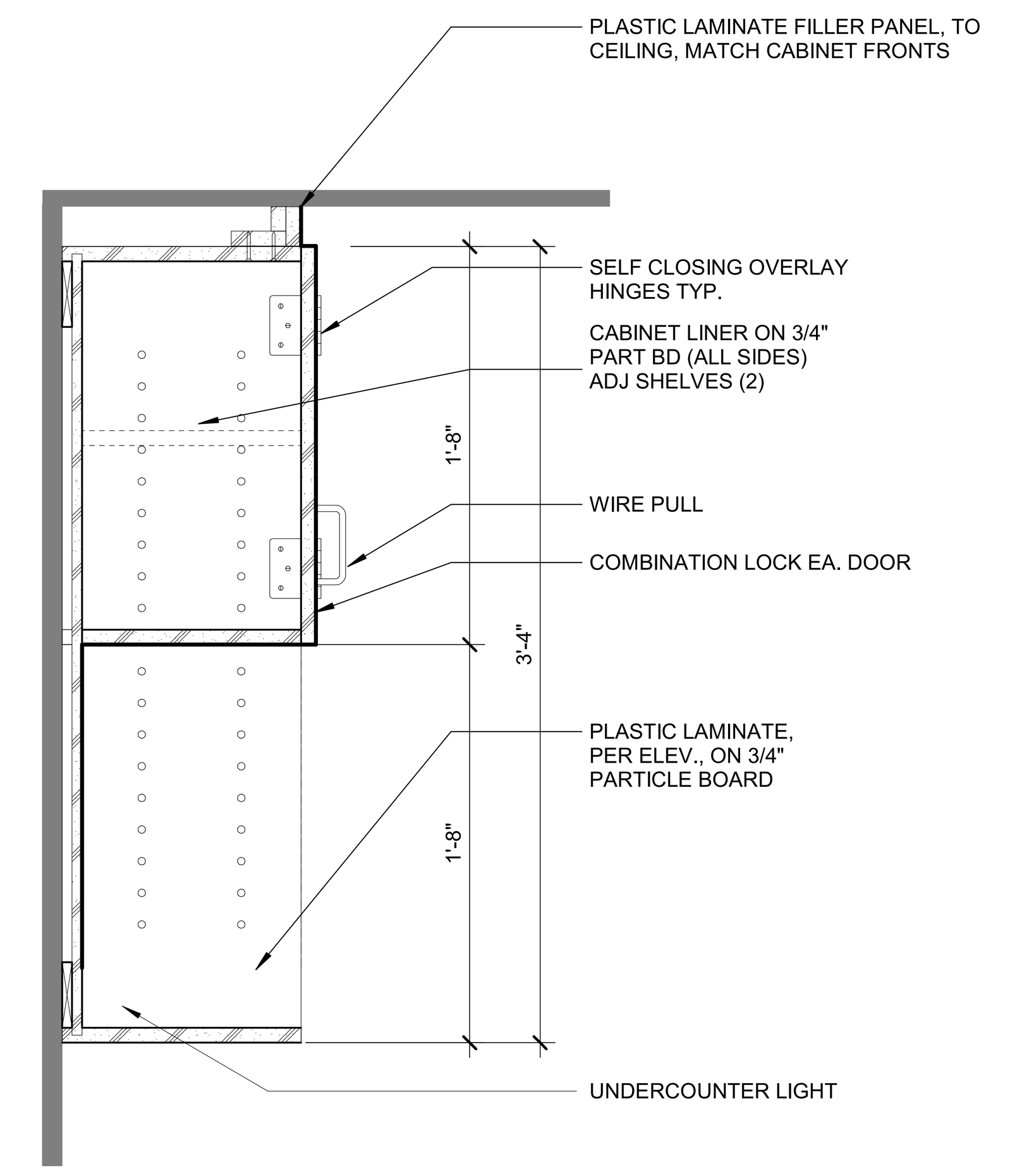
Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

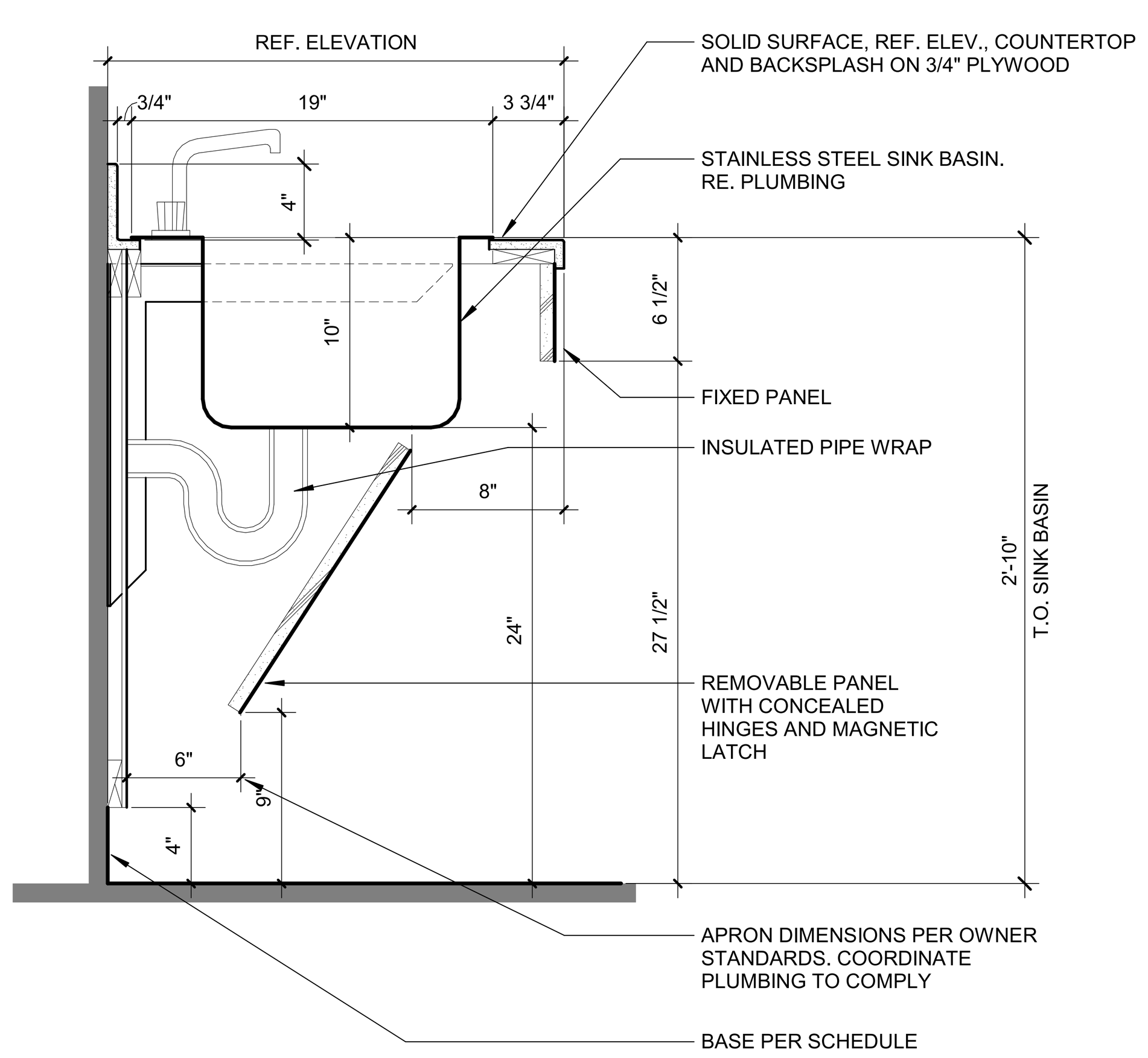
MU Project Number:
CP210701



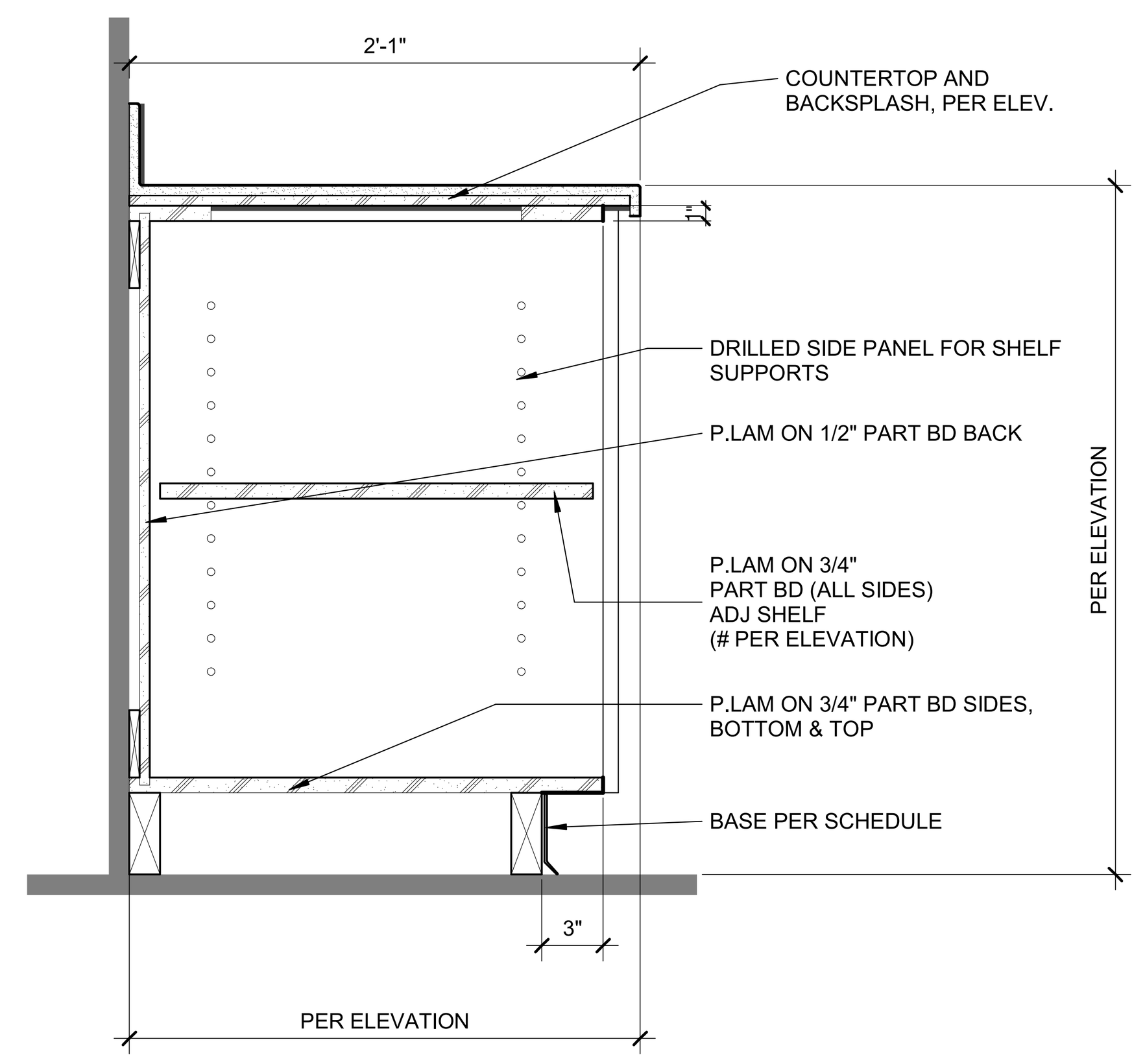
CABINET UPPER SHORT D2
1 1/2" = 1'-0"



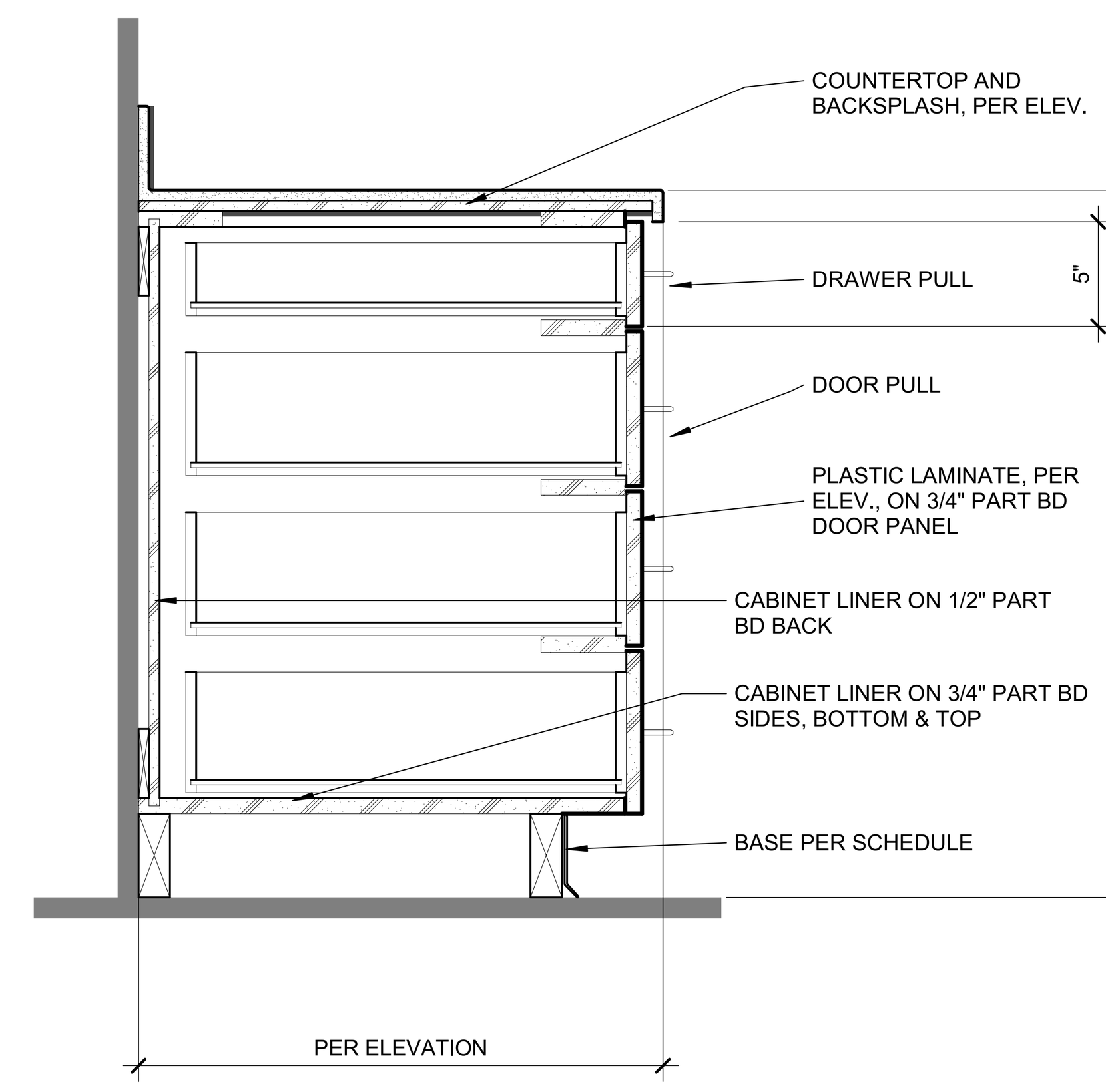
CABINET UPPER D1
1 1/2" = 1'-0"



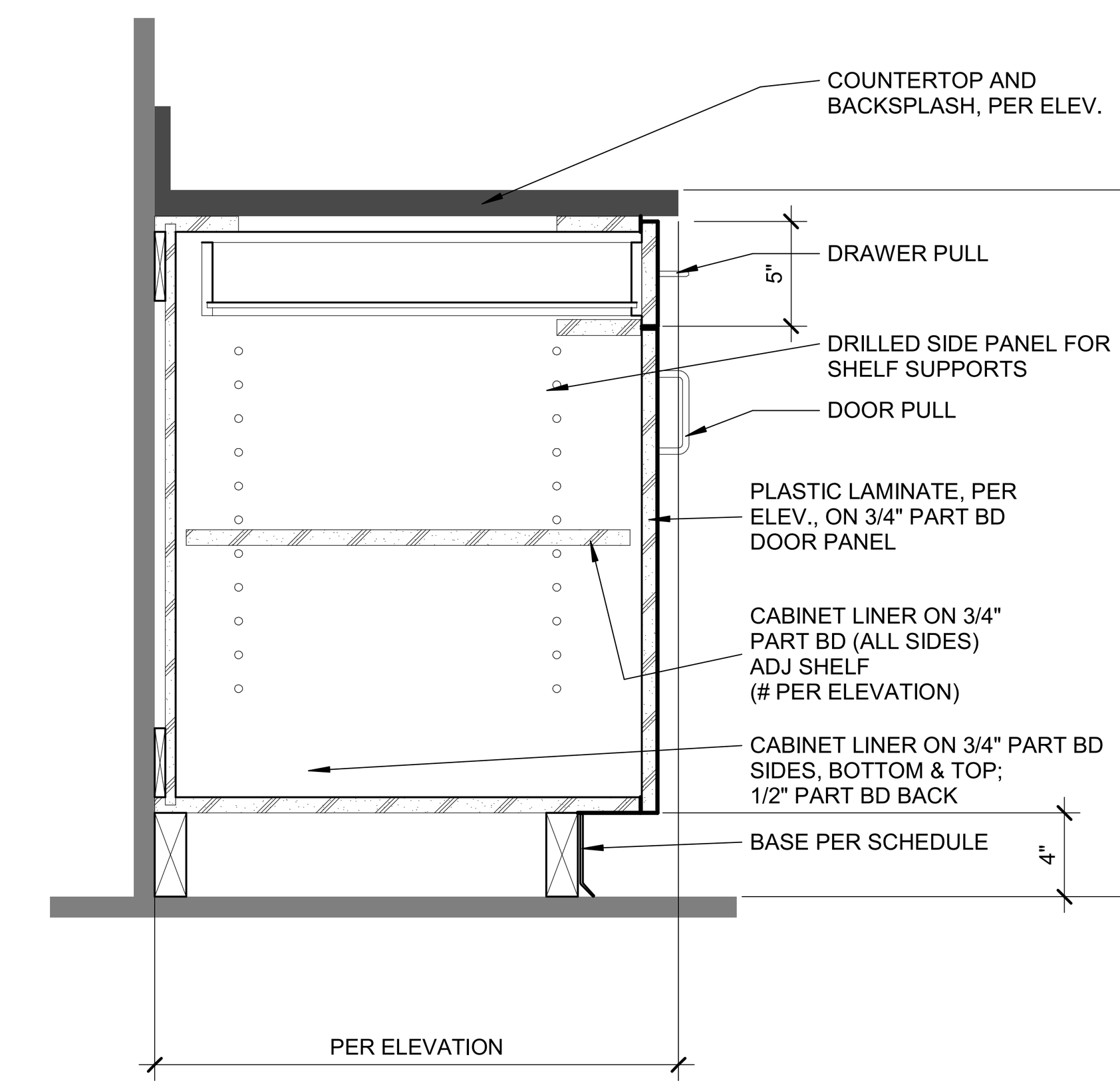
VANITY SINK - BREAKROOM B5
1 1/2" = 1'-0"



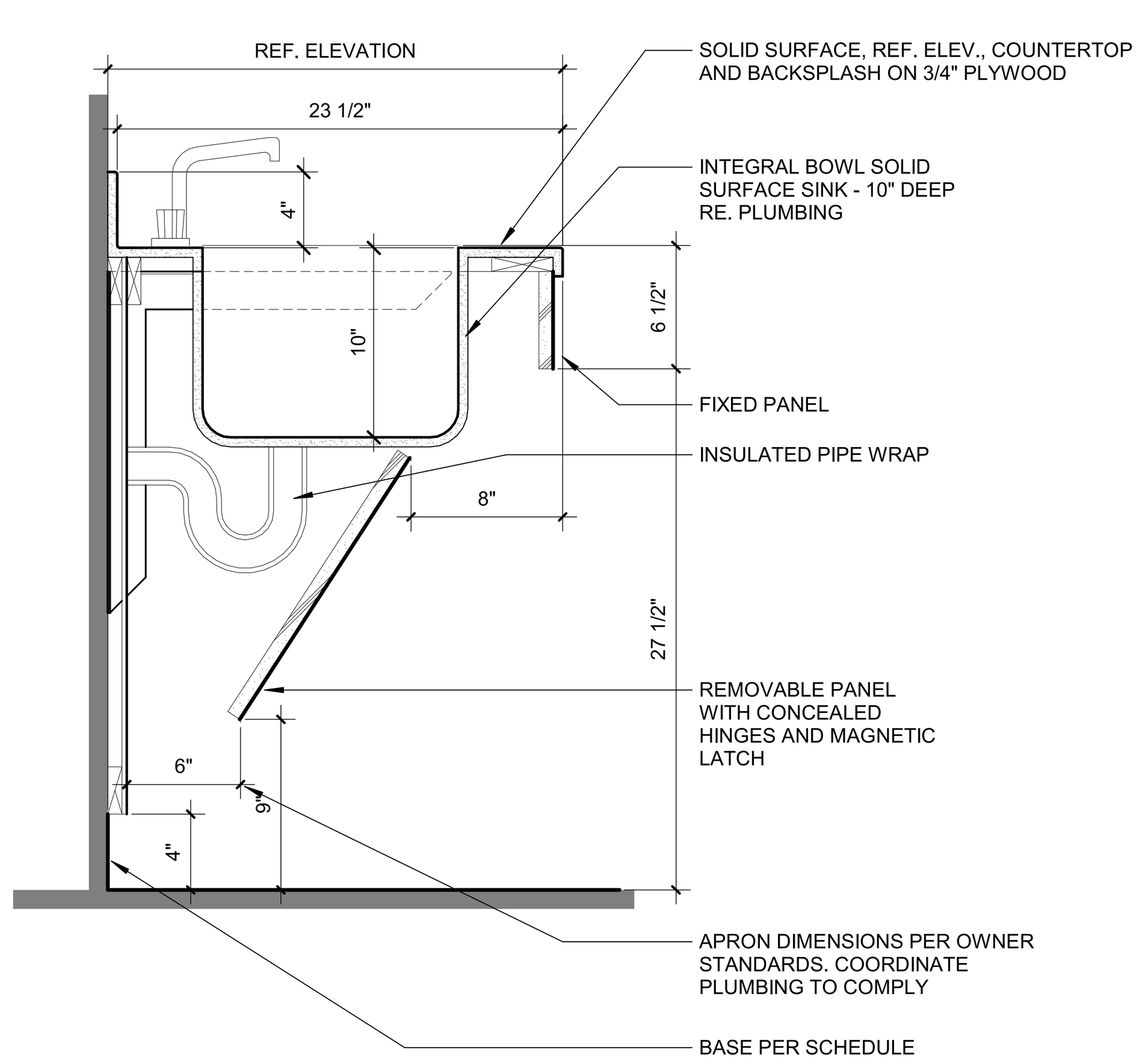
CABINET BASE OPEN B4
1 1/2" = 1'-0"



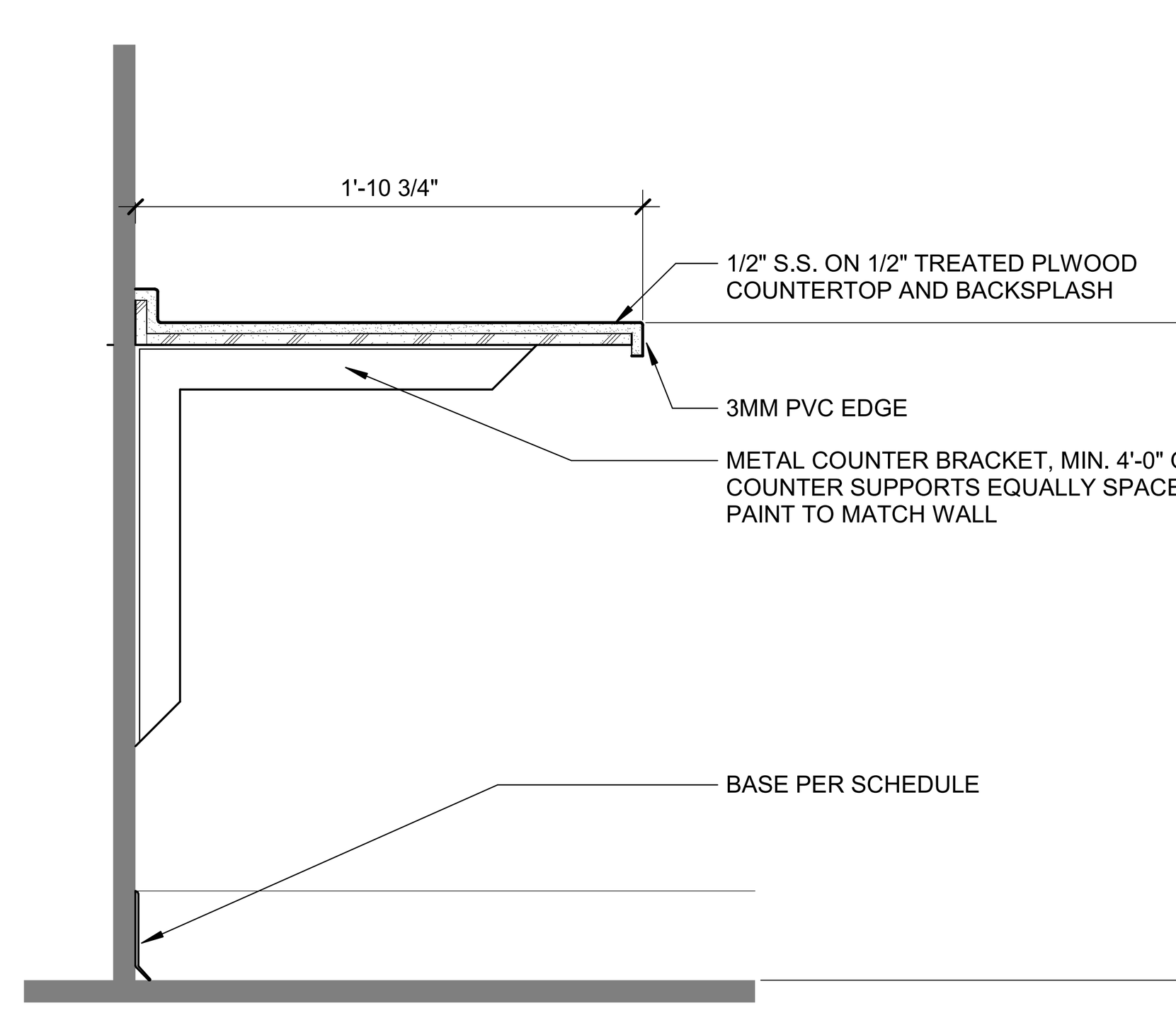
CABINET BASE DRAWER B2
1 1/2" = 1'-0"



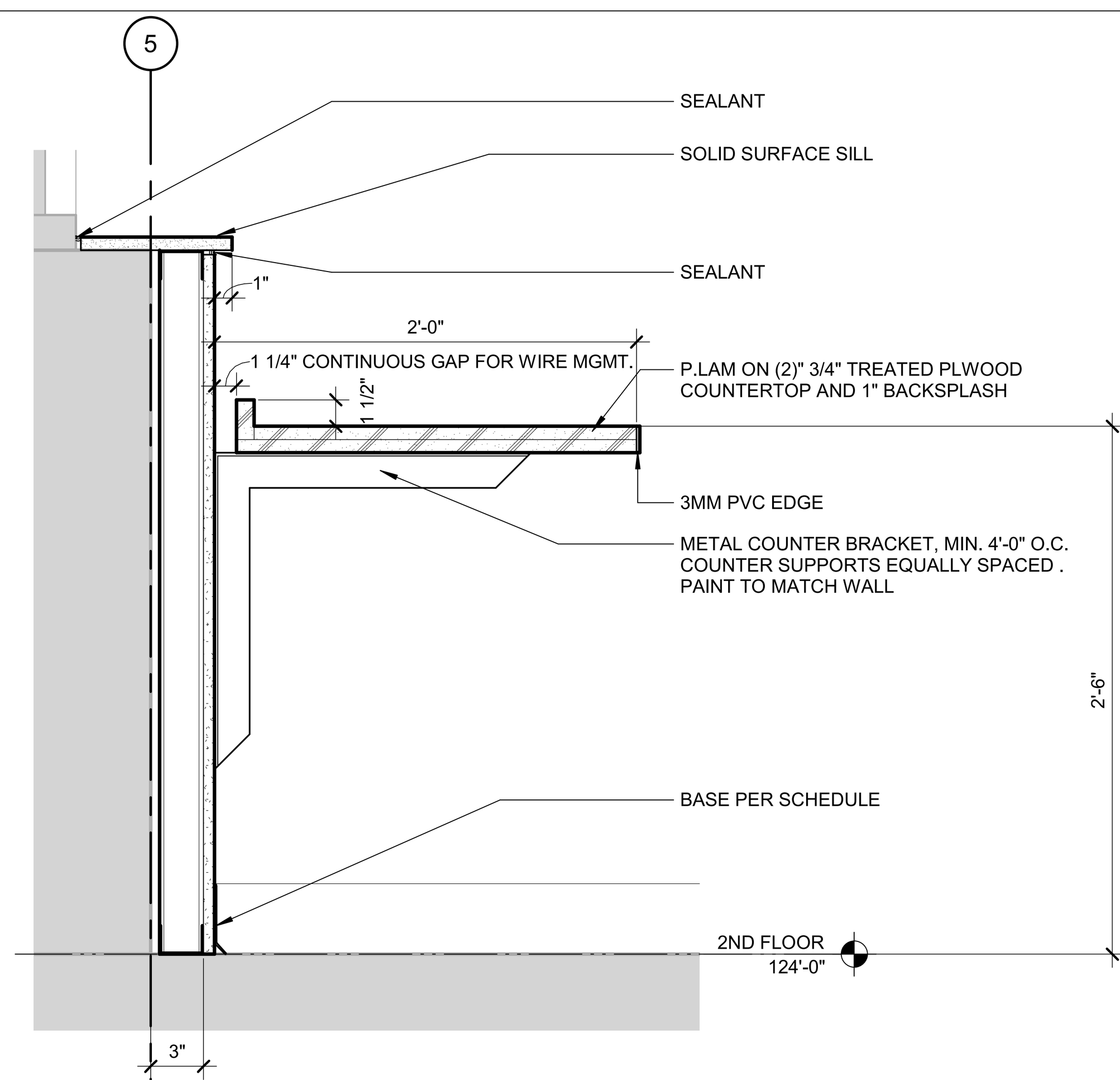
CABINET BASE B1
1 1/2" = 1'-0"



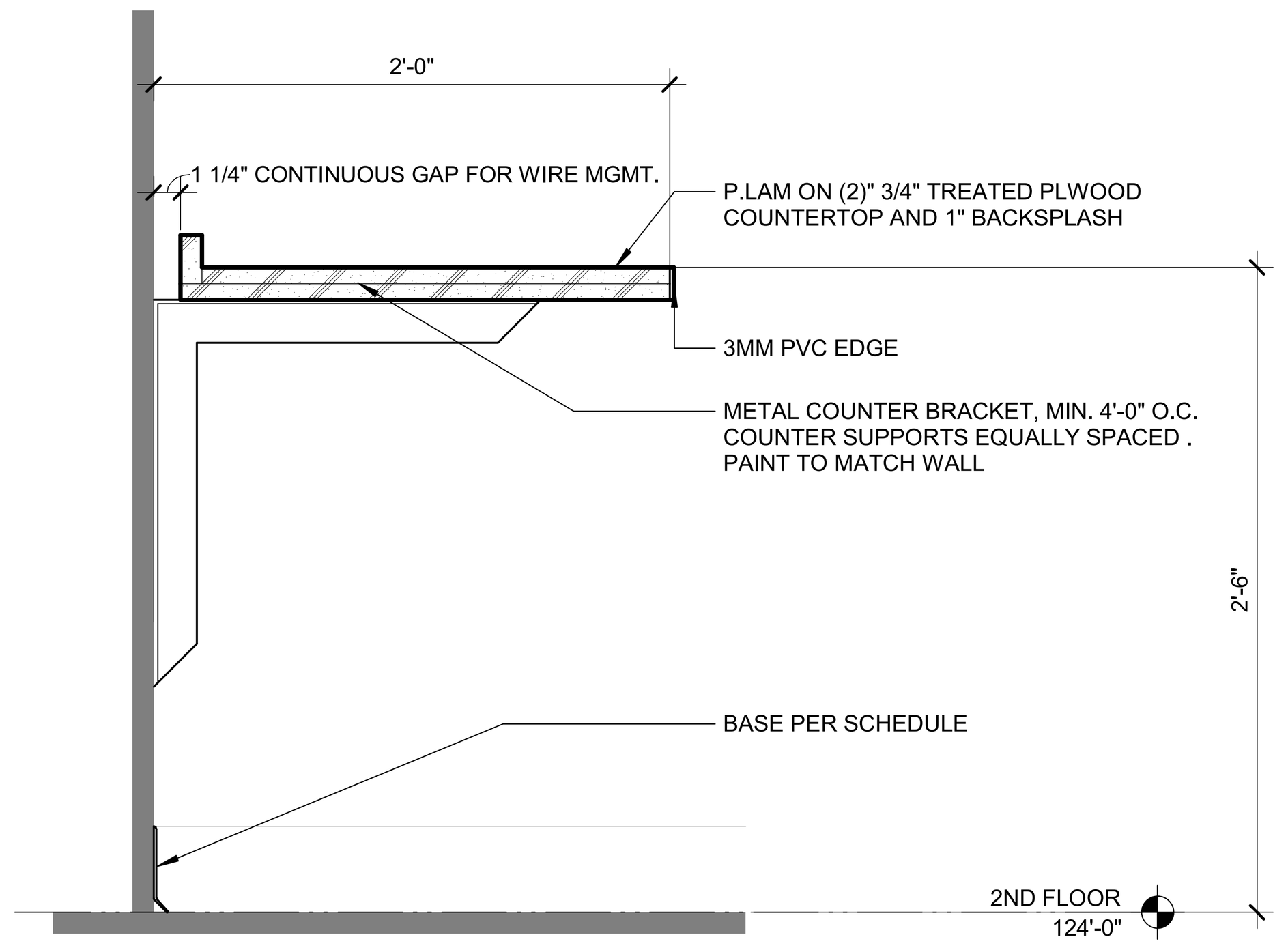
VANITY SINK - RESTROOM A5
1 1/2" = 1'-0"



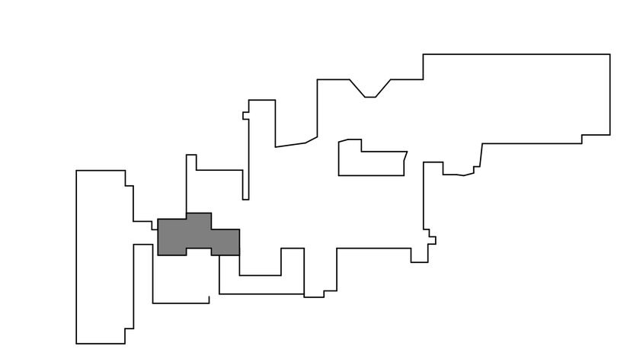
OPEN COUNTER - BREAKROOM A4
1 1/2" = 1'-0"



OPEN WORKSTATION @ WINDOW A2
1 1/2" = 1'-0"



OPEN WORKSTATION A1
1 1/2" = 1'-0"



KEY PLAN

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FITOUT SPACE 2W
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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A520

CASEWORK DETAILS

BID DOCUMENTS

Date: 08/10/2021
TreanorHL Project Number: HC0728.2101.00
MU Project Number: CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt
8/6/2021 12:11:55 PM

DOOR AND FRAME SCHEDULE

DOOR NO.	To Room: Number	To Room: Name	S/PR	DIMENSIONS WIDTH	DIMENSIONS HEIGHT	DOOR TYPE	DOOR MAT	DOOR FINISH	FRAME TYPE	FRAME MAT	FRAME FINISH	GLASS TYPE	DETAIL JAMB	DETAIL HEAD	DETAIL SILL	FIRE RATING	HDWR GROUP	REMARKS
2S03	2W42	CORRIDOR	PR	7'-4"	7'-0"	N	WD	TR	E.T.R.	E.T.R.	PT	GL-1	-	-		SMOKE	04	
2W04A	2W04A	STOR.	S	3'-0"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	-	-			13	
2W05A	2W05A	MEN'S	S	3'-8"	7'-0"	F	WD	TR	1	HM	PT	N/A	A	A			19	
2W05B	2W05B	WOMEN'S	S	3'-8"	7'-0"	F	WD	TR	1	HM	PT	N/A	A	A			19	
2W06	2W06	STORAGE BIO-HAZARD	S	3'-0"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	-	-			10A	CARD READER & ELECTRIC STRIKE (SALVAGE EXISTING)
2W07	2W07	SPECIMEN	S	3'-0"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	-	-			10	CARD READER & ELECTRIC STRIKE
2W10	2W10	FUTURE DIALYSIS	S	3'-8"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	A	A			EX.	RELOCATED EXISTING DOOR, FRAME, AND HARDWARE
2W21	2W50	MECH.	PR	5'-0"	7'-0"	UEN	HM	PT	1	HM	PT	GL-1	A	A		60 MIN	07	
2W22	2W22	IM TEAM D	S	3'-8"	7'-0"	N	WD	TR	1	HM	PT	GL-1	A	A			09	CARD READER & ELECTRIC STRIKE
2W23	2W23	CONFERENCE	S	3'-8"	7'-0"	N	WD	TR	1	HM	PT	GL-1	A	A			09	CARD READER & ELECTRIC STRIKE
2W24	2W24	IM TEAM C	S	3'-8"	7'-0"	N	WD	TR	1	HM	PT	GL-1	A	A			09	CARD READER & ELECTRIC STRIKE
2W25	2W25	IM TEAM B	S	3'-8"	7'-0"	N	WD	TR	1	HM	PT	GL-1	A	A			09	CARD READER & ELECTRIC STRIKE
2W26	2W26	IM TEAM A	S	3'-8"	7'-0"	N	WD	TR	1	HM	PT	GL-1	A	A			08	CARD READER & ELECTRIC STRIKE
2W27	2W27	BREAK	S	3'-8"	7'-0"	N	WD	TR	1	HM	PT	GL-1	A	A			08	CARD READER & ELECTRIC STRIKE
2W28	2W28	ACCESS	S	3'-8"	7'-0"	F	HM	PT	1	HM	PT	N/A	A	A			12	
2W31	2W31	STOR.	S	3'-8"	7'-0"	F	HM	PT	1	HM	PT	N/A	A	A			11	
2W32	2W32	EVS	PR	6'-0"	7'-0"	F	HM	PT	1	HM	PT	N/A	A	A			14	
2W33	2W33	SHELL	PR	6'-0"	7'-0"	N	HM	PT	1	HM	PT	GL-2	A	A		60 MIN	01A	CARD READER & DOOR OPERATOR
2W37	2W37	ELEC.	S	3'-8"	7'-0"	F	HM	PT	1	HM	PT	N/A	A	A			13	
2W39	2W39	SPECIMEN PROCESSING	S	3'-0"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	-	-		60 MIN	08	CARD READER & ELECTRIC STRIKE
2W40	2W40	MICRO-BIOLOGY	S	3'-0"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	-	-		60 MIN	08	CARD READER & ELECTRIC STRIKE
2W43	2W42	CORRIDOR	PR	7'-6"	7'-0"	F	WD	TR	E.T.R.	E.T.R.	PT	N/A	-	-		SMOKE	02	
2W44	2W44	CORRIDOR	PR	7'-4"	7'-0"	H	WD	TR	1	HM	PT	GL-1	A	A			01	CARD READER & DOOR OPERATOR
2W45	2W45	VEST.	S	3'-0"	7'-0"	N	HM	PT	1	HM	PT	GL-2	B	B		90 MIN	05	

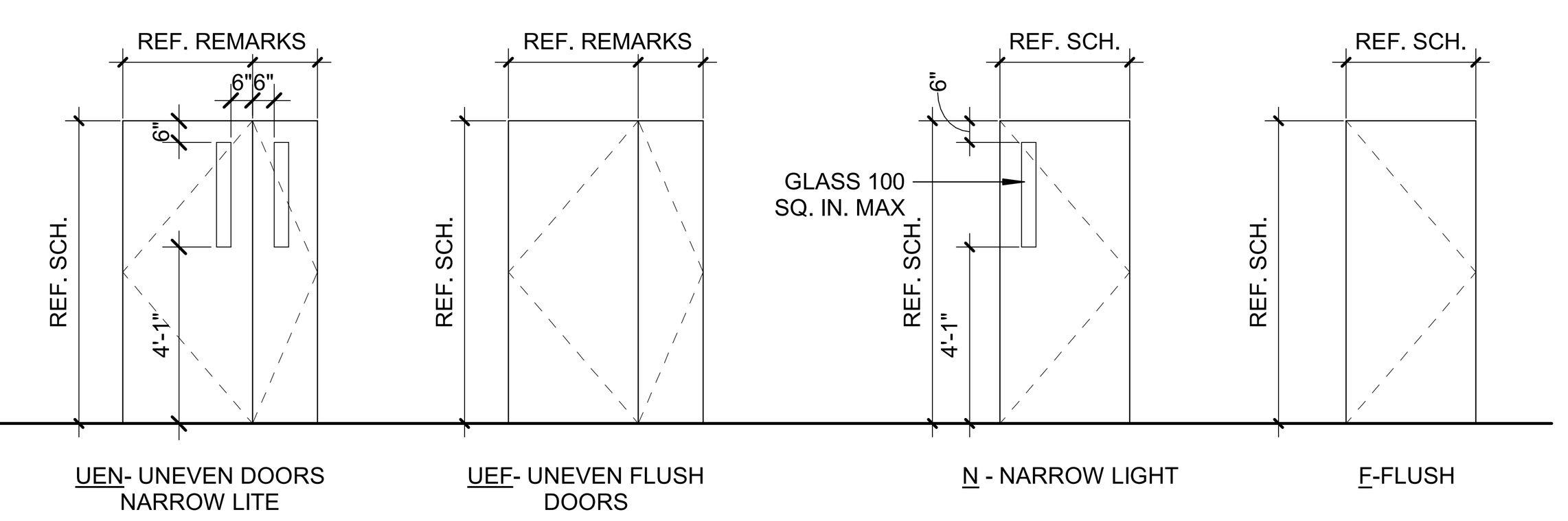
GLAZING TYPES

GL-1 1/4" CLEAR FULLY TEMPERED FLOAT GLASS
GL-2 FIRE-RATED GLASS

DOOR AND FRAME KEY

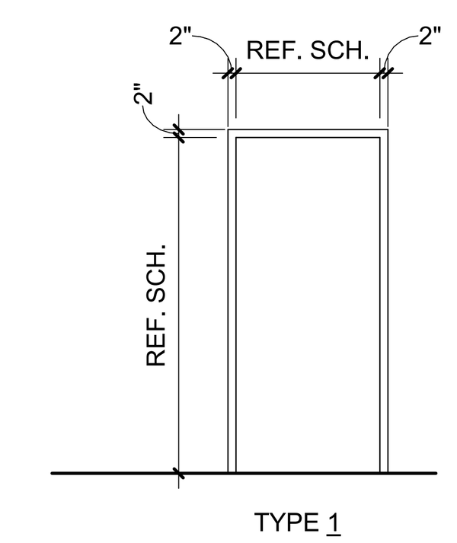
DOOR/FRAME MATERIAL:
HM = HOLLOW METAL
WD = WOOD
AL = ALUMINUM

DOOR/FRAME FINISH:
PT = PAINTED, FIELD APPLIED
TR = TRANSPARENT FINISH, FACTORY
FAC = FACTORY FINISH



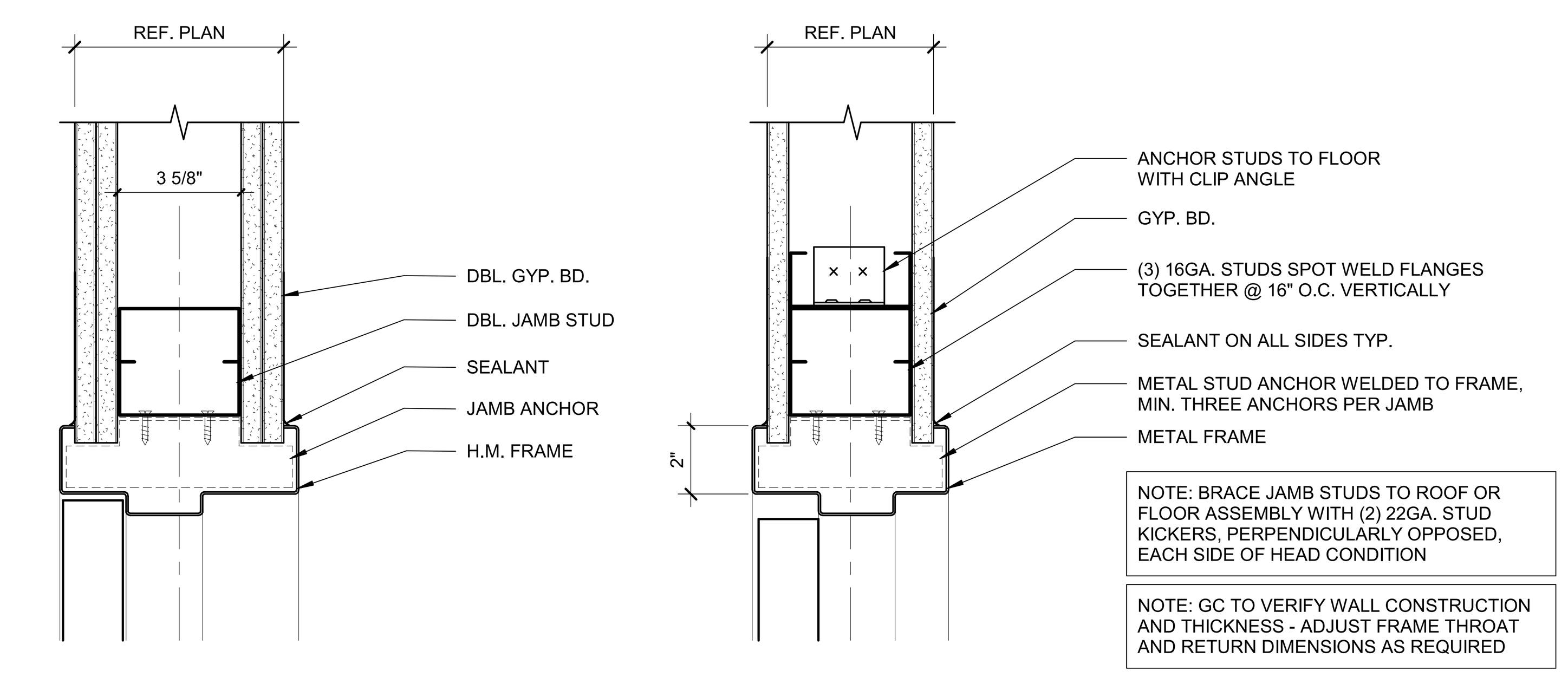
DOOR TYPES

1/4" = 1'-0"



FRAME TYPES

1/4" = 1'-0"

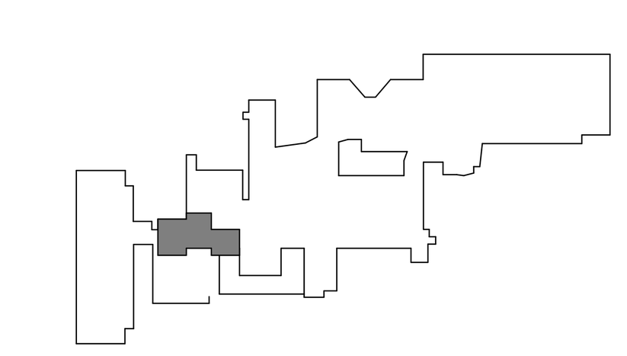


B - JAMB / HEAD SIM.

A - JAMB / HEAD SIM.

DOOR DETAILS

3" = 1'-0"



KEY PLAN

TREANORHL
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McClure Engineering
Professional Engineering Corporation
Missouri State Certificate of Authority #000087

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FITOUT SPACE 2W
1 HOSPITAL DRIVE, COLUMBIA, MO 65212

REVISIONS RE-ISSUED IN ENTIRETY 08/10/21		
NO	DESCRIPTION	DATE

A601

DOORS AND FRAMES

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt
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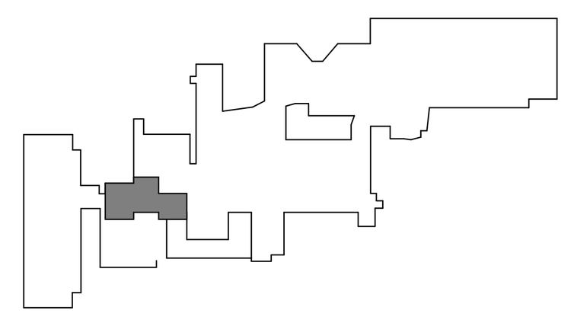
MATERIAL FINISH LEGEND							
ABBREVIATION	MANUFACTURER	PRODUCT	COLOR NAME	COLOR NUMBER	WIDTH / SIZE	DETAILS	REP INFORMATION
APC-1	ARMSTRONG	ULTIMA	WHITE	1420	24"X24"	NON-TEGULAR, 15/16"	BRENT LINDENMEYER 618.830.5462
APC-2	ARMSTRONG	CERAMAGUARD	WHITE	605	24"X24"	MOISTURE/SAG RESISTANT, 15/16"	BRENT LINDENMEYER 618.830.5462
BR-1	ACROVYN	BUMPER RAIL	IRISH CREAM	997	--	PAIRED WITH PT-1	RED RAMSEY 314.221.9829
CG-1	ACROVYN	CORNER GUARD	IRISH CREAM	997	--	PAIRED WITH PT-1, INSTALL UP TO CEILING	RED RAMSEY 314.221.9829
CG-2	ACROVYN	CORNER GUARD	OYSTER GRAY	929	--	PAIRED WITH ALL ACCENT PAINT COLORS, INSTALL UP TO CEILING	RED RAMSEY 314.221.9829
CPT-1	MANNINGTON	RAMIE	ACORN	84334	24"X24"	INSTALLATION METHOD - HORIZONTAL BRICK ASHLAR	KRISTEN KOMIS 314.250.3040
CR-1	ACROVYN	CRASH RAIL	IRISH CREAM	997	8"	PAIRED WITH PT-1	RED RAMSEY 314.221.9829
CT-1	ISC SURFACES	AMERICAN OLEAN ST. GERMAIN 12"X24"	CREME	SE61	12"X24"	INSTALL-STAGGER 33% OFFSET, GROUT JOINT 1/16"	NIKKI STELLOH 314.327.9764
CT-2	DALTILE	CRYSTAL SHORES	SAPPHIRE LAGOON	CS95	--	RANDOM LINEAR MOSAIC, RESTROOM ACCENT	JOANNA WHITTAKER 314.629.0125
HR-1	ACROVYN	HAND RAIL	IRISH CREAM/SHAKER CHERRY WOOD TONE	997/380	--	IRISH CREAM WITH 380 SHAKER CHERRY WOOD TONE	RED RAMSEY 314.221.9829
LVT-1	SHANNON SALES	TEKNOFLOR - TUF STUF WOODLAND PATH	BURR OAK	WP57313	6"X36"	INSTALLATION METHOD - BRICK ASHLAR	KATIE DEELO 314.952.7610
LVT-2	SHANNON SALES	TEKNOFLOR - TUF STUF TEXTURES	MANOR	TS3531	18"X18"	INSTALLATION METHOD - BRICK ASHLAR	KATIE DEELO 314.952.7610
PL-1	WILSONART	STANDARD HPL FINISH LAMINATE	SHAKER CHERRY	7935K-07	5'X12' SHEETS	VERTICAL GRAIN	MIKE NOBLOT 636.275.6044
PL-2	NEVAMAR	ARMORED PROTECTION	CLASSIC ROCK	RK2001-T TEXTURED	5'X12' SHEETS	2 LAYERS OF 3/4" PLYWOOD WITH MATCHING PVC T-MOLDING	SUZANNE GERMAIN 913.788.0937
PL-3	WILSONART	COMPACT LAMINATE	SHAKER CHERRY	7935	5'X12' SHEETS	TOILET PARTITION FINISH	
PT-1	SHERWIN WILLIAMS	SEMI-GLOSS PAINT	NANTUCKET DUNE	SW7527	--	FIELD PAINT	HANK B MENKING 314.281.7485
PT-3	SHERWIN WILLIAMS	SEMI-GLOSS PAINT	MOODY BLUE	SW6221	--	ACCENT	HANK B MENKING 314.281.7485
PT-7	SHERWIN WILLIAMS	SEMI-GLOSS PAINT	RETREAT	SW6207	--	ACCENT	HANK B MENKING 314.281.7485
PT-9	SHERWIN WILLIAMS	EPOXY PAINT	NANTUCKET DUNE	SW7527	--	-	HANK B MENKING 314.281.7485
RB-1	TARKETT	TIGHTLOCK WALL BASE	STEEL	179	4"		BRIAN AYRES 314.324.0086
RB-2	SAME AS ADJACENT FLOORING	INTEGRAL COVE BASE	--	--	6"	COVED 6" WITH METAL CAP, SEE DETAIL ON A712	--
RB-3	TARKETT	REVEAL MW-66-F	EITHER ORE	66	4.25"	--	BRIAN AYRES 314.324.0086
SS-2	WILSONART	SOLID SURFACE	SEA STONE	9202-CS	1/2"(12MM)X30"X144"	1/2" PLYWOOD COVERED WITH 1/2" THICK SOLID SURFACE.	MIKE NOBLOT 636.275.6044
SV-1	SHANNON SALES	TEKNOFLOR - FORESTSCAPES LEGACY	MEDIUM WALNUT	31097	6'	INSTALL-HEAT WELDING WITH MATCHING ROD	KATIE DEELO 314.952.7610
SV-2	TARKETT	ACCZENT FLOURISH	PROSPER SOLSTICE	301	6'-6"'	INSTALL-HEAT WELDING WITH MATCHING ROD	BRIAN AYRES 314.324.0086
SV-4	MANNINGTON	ASSURANCE III	ROAN	16348	6'	INSTALL-HEAT WELDING WITH MATCHING ROD	KRISTEN KOMIS 314.250.3040
VWC-1	MAHARAM	CHAMBRAY #397140	REED	136	54"W	STRAIGHT HANG, RANDOM MATCH	AMBER KRAMER 314.443.9573
WB-1	DRAPER	CLUTCH FLEXSHADE-SHEERWEAVE	CLEAR ANODIZED, OYSTER/BEIGE	--	--	RECESSED MOUNTED, 3% OPEN	MARATHON OFFICE INTERIORS
WP-1	ACROVYN	WALL PROTECTION	IRISH CREAM	997	--	RIGID SHEET-SUEDE TEXTURE, COLOR MATCH TRIM AND TOP CAPS, PAIRED WITH PT-1	RED RAMSEY 314.221.9829

GROUT COLOR	TILE SPECIFICATION
LATICRETE SPECTRALOCK PRO MUSHROOM 39	CT-1, CT-2

FINISH SCHEDULE													
ROOM				WALLS				CASEWORK					
NUMBER	NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	UPPER CAB.	COUNTER TOP	BASE CAB.	CEILING FINISH	SCHEDULE KEYED NOTES
2ND FLOOR												
2W0F	STAIR	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W0G	STAIR	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W0H	STAIR	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W01	PATIENT	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W01A	CLOSET	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W04A	STOR.	SV-2	RB-1	PT-1	PT-1	PT-1	PT-1	--	--	--		2
2W05A	MEN'S	SV-4	RB-2	PT-1	CT-1/CT-2	PT-1	PT-1/CT-1/CT-2	--	SS-2	PL-1		2, 3, 5
2W05B	WOMEN'S	SV-4	RB-2	PT-1	PT-1/CT-1/CT-2	PT-1	CT-1/CT-2	--	SS-2	PL-1		2, 3, 5
2W06	STORAGE BIO-HAZARD	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W07	SPECIMEN	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W08	ELEC.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	2, 4
2W10	FUTURE DIALYSIS	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W20	CORRIDOR	LVT-2	RB-3	PT-1/HR-1/BR-1	--	PT-1/HR-1/BR-1	PT-1	--	--	--		
2W21	CORRIDOR	LVT-2	RB-3	PT-1	PT-1/CR-1/BR-1	PT-1	PT-1/CR-1/BR-1	--	--	--		2
2W22	IM TEAM D	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-3	PL-1	PL-2	--		2
2W23	CONFERENCE	CPT-1	RB-1	VWC-1/WP-1	VWC-1	VWC-1	VWC-1	PL-1	PL-2	PL-1		1, 2
2W24	IM TEAM C	LVT-1	RB-1	PT-1	PT-3	PT-1	PT-1	PL-1	PL-2	--		2
2W25	IM TEAM B	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-3	PL-1	PL-2	--		2
2W26	IM TEAM A	LVT-1	RB-1	PT-1	PT-3	PT-1	PT-1	PL-1	PL-2	--		2
2W27	BREAK	SV-2	RB-1	PT-1	PT-1	PT-1	PT-7	PL-1	SS-2	PL-1		2
2W28	ACCESS	SV-2	RB-1	PT-1	PT-1	PT-1	PT-1	--	--	--		2
2W29	CORRIDOR	LVT-2	RB-3	PT-1	PT-1/CR-1/BR-1	PT-1	PT-1/CR-1/BR-1	--	--	--		
2W30	LOBBY	LVT-2	RB-3	PT-1/CR-1/BR-1	PT-1/CR-1/BR-1	PT-1	PT-1/CR-1/BR-1	--	--	--		2
2W31	STOR.	SV-2	RB-2	PT-1	PT-1	PT-1	PT-1	--	--	--		2
2W32	EVS	SV-2	RB-2	PT-9/WP-1	PT-9/WP-1	PT-9/WP-1	PT-9/WP-1					1, 2
2W33	SHELL	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	---	--		
2W36	CORR.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--		
2W37	ELEC.	SV-2	RB-1	PT-1	PT-1	PT-1	PT-1	--	--	--		2
2W39	SPECIMEN PROCESSING	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W39A	ANTE	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W39B	T.B. ISOLATION	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W40	MICRO-BIOLOGY	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W41	MECH.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.				E.T.R.	4
2W42	CORRIDOR	LVT-2	RB-3	PT-1/HR-1/BR-1	PT-1/CR-1/BR-1	PT-1/HR-1/BR-1	PT-1/CR-1/BR-1	--	--	--		2
2W44	CORRIDOR	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W45	VEST.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W46A	VEST.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W47	STAIR	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W50	MECH.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W50A	ELEC.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
2W50A1	ELEC.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4
187	ELEVATOR	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	E.T.R.	--	--	--	E.T.R.	4

FINISH SCHEDULE KEY NOTES

1. WALL PROTECTION (WP-X) TO BE INSTALLED UP TO 5'-0" AFF.
2. DOOR FRAME TO BE PAINTED PT-9.
3. REFER TO ELEVATIONS ON A421 FOR TILE INSTALLATION. INSTALL SCHLUTER SYSTEM JOLLY (COLOR: SATIN ANODIZED) AT OUTSIDE CORNERS.
4. E.T.R. NOTATION MEANS EXISTING TO REMAIN.
5. INSTALL PORCELAIN TILE (CT-1) TO ABOVE CEILING GRID.



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REVISIONS RE-ISSUED IN ENTIRETY 08/10/21		
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A701

INTERIORS

BID DOCUMENTS

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TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701

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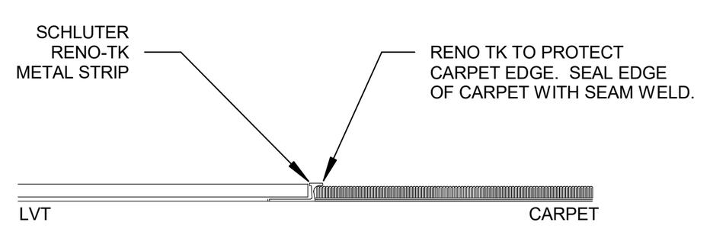
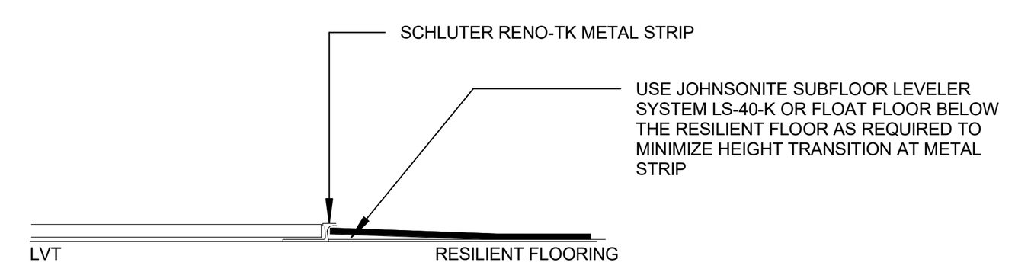
INTERIOR SYMBOLS LEGEND

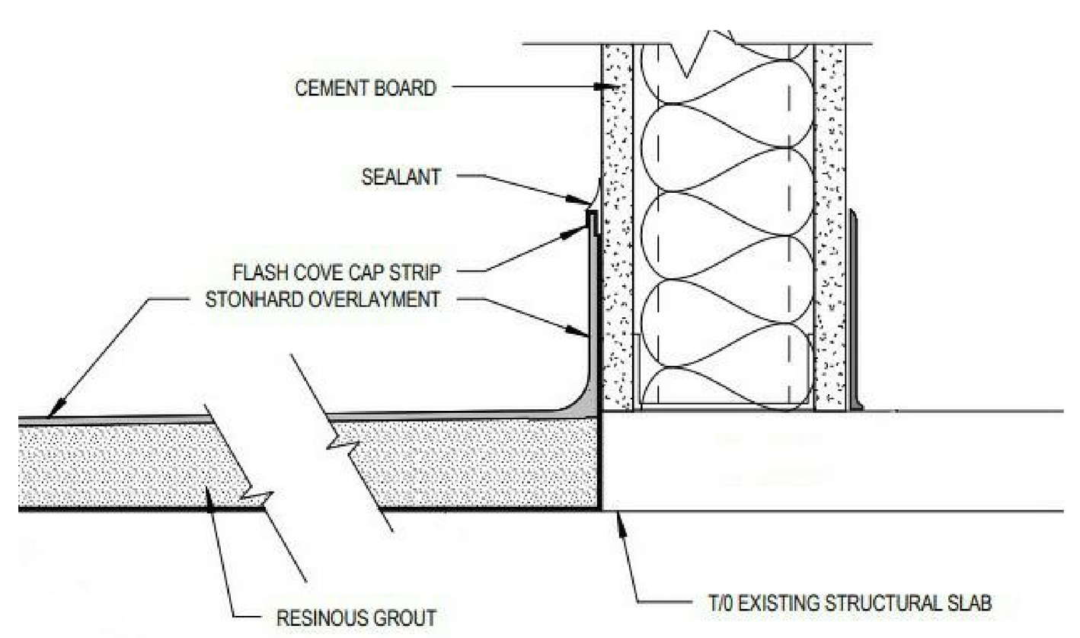
(shaded box)	SHADED AREAS ARE NOT INCLUDED IN SCOPE OF WORK FOR INTERIOR RENOVATION
(1)	KEYED NOTE
(arrow)	INSTALLATION DIRECTION. INSTALL PARALLEL WITH DIRECTION OF SYMBOL
XX-#	LOCATION OF FLOORING MATERIAL TRANSITION
XX-#	SPECIFIED FINISH, REFERENCE FINISH SCHEDULE IF NOT NOTED.
XX-#	EXTENTS OF WALL FINISH
CG-#	CORNER GUARD LOCATION



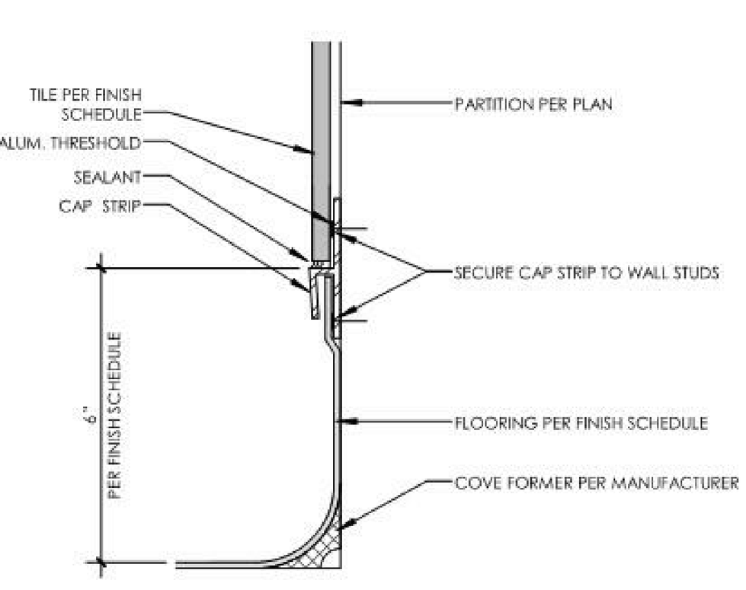
LVT TO CARPET D5
3" = 1'-0"



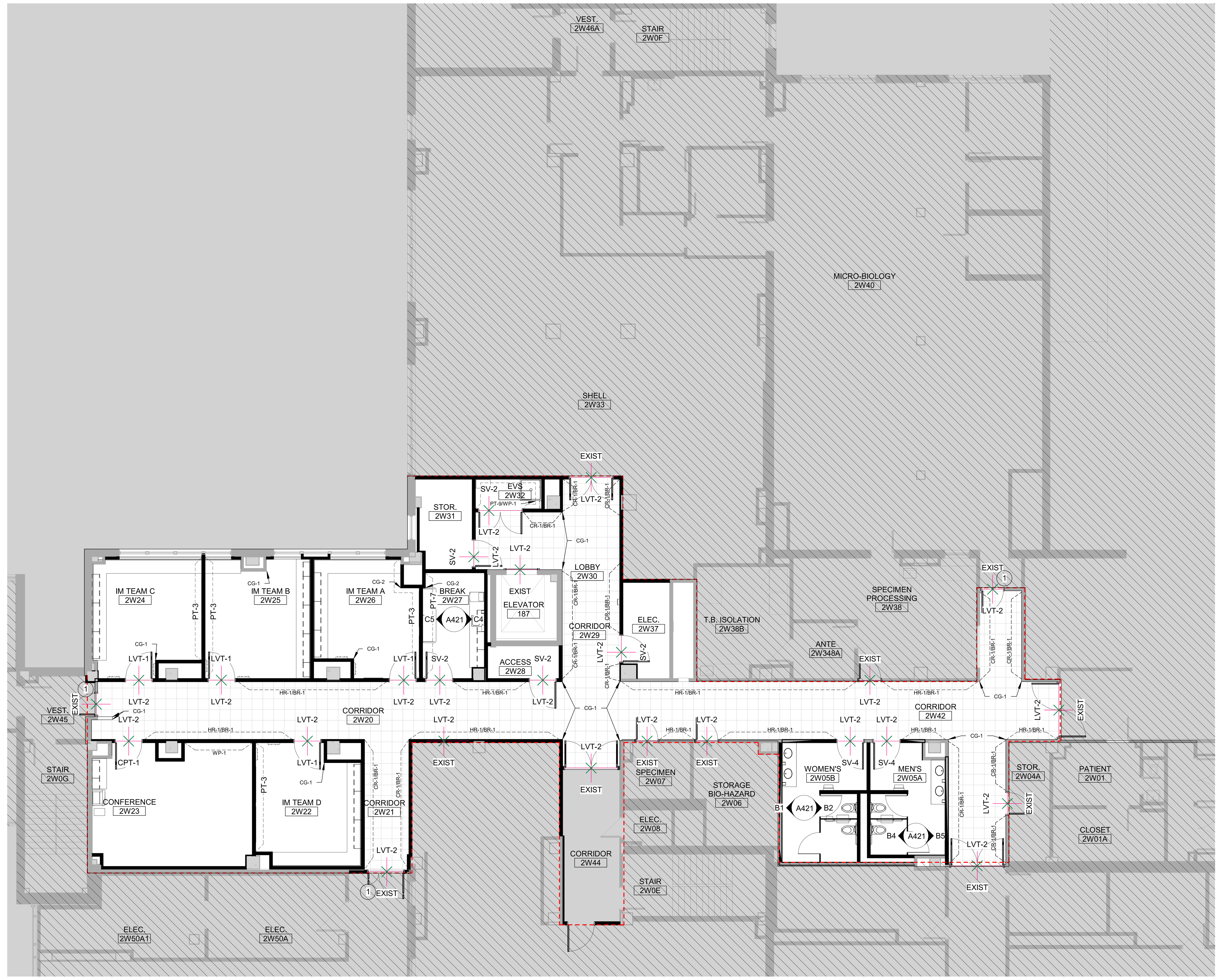
LVT TO RESILIENT FLOOR D4
3" = 1'-0"



FLASHCOVE (NON WET) - DETAIL C5
3" = 1'-0"



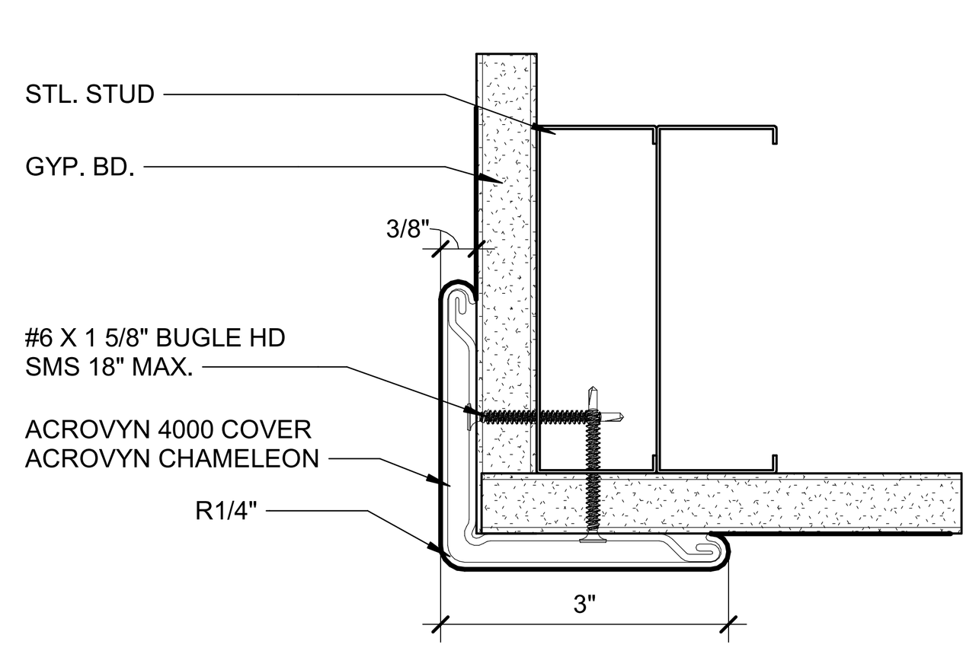
FLASHCOVE WET ROOM - DETAIL B5
3" = 1'-0"



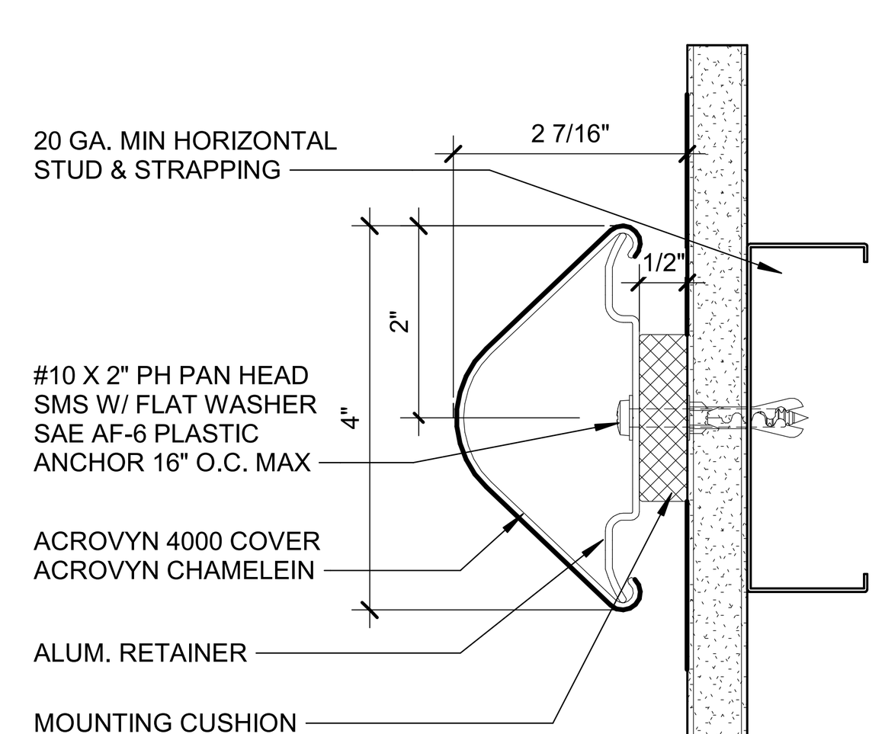
2ND FLOOR FINISH PLAN B1
1/8" = 1'-0"

FINISH PLAN KEY NOTE LEGEND:

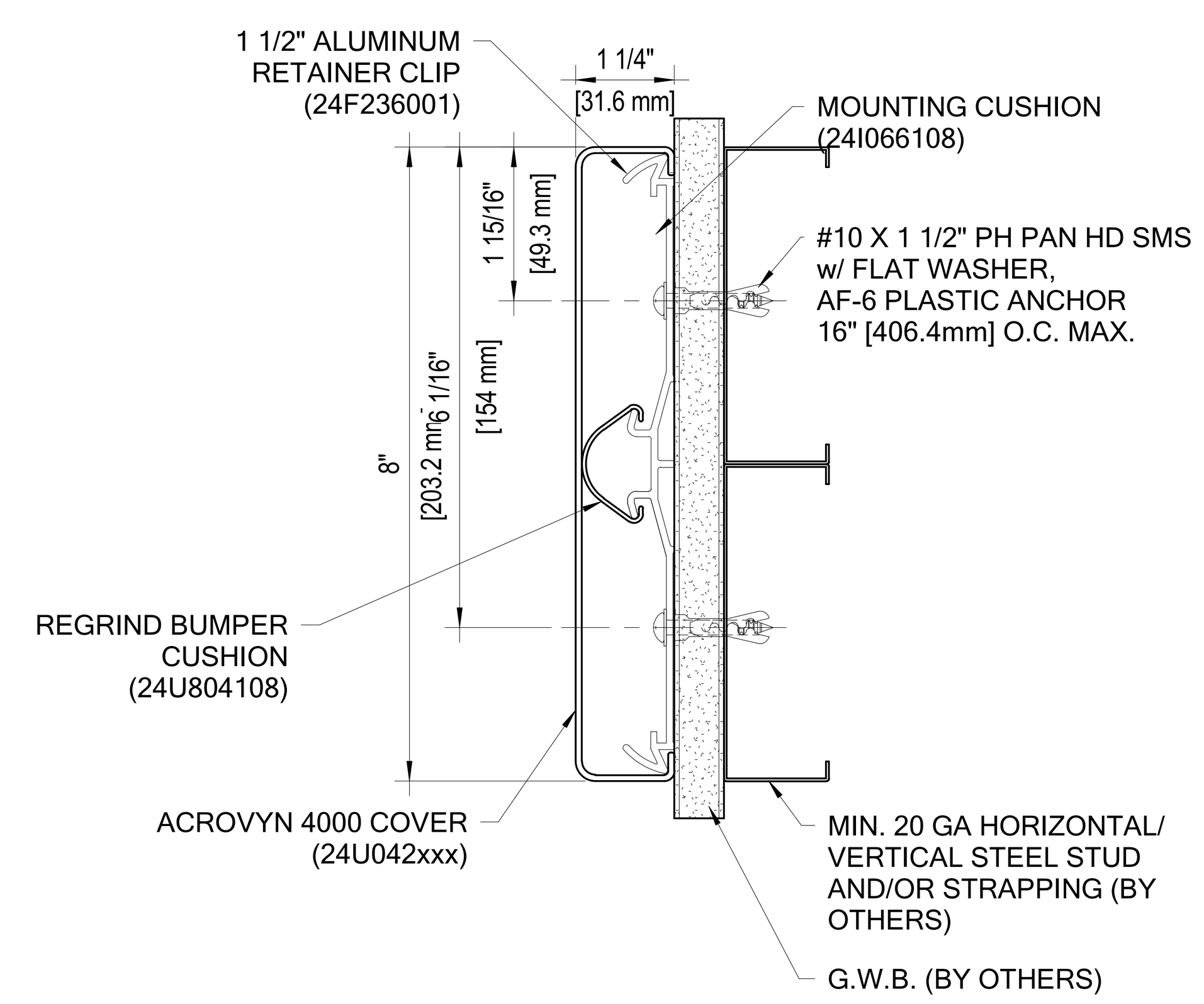
1 PATCH EXISTING VCT FLOORING TO CENTER OF DOOR.



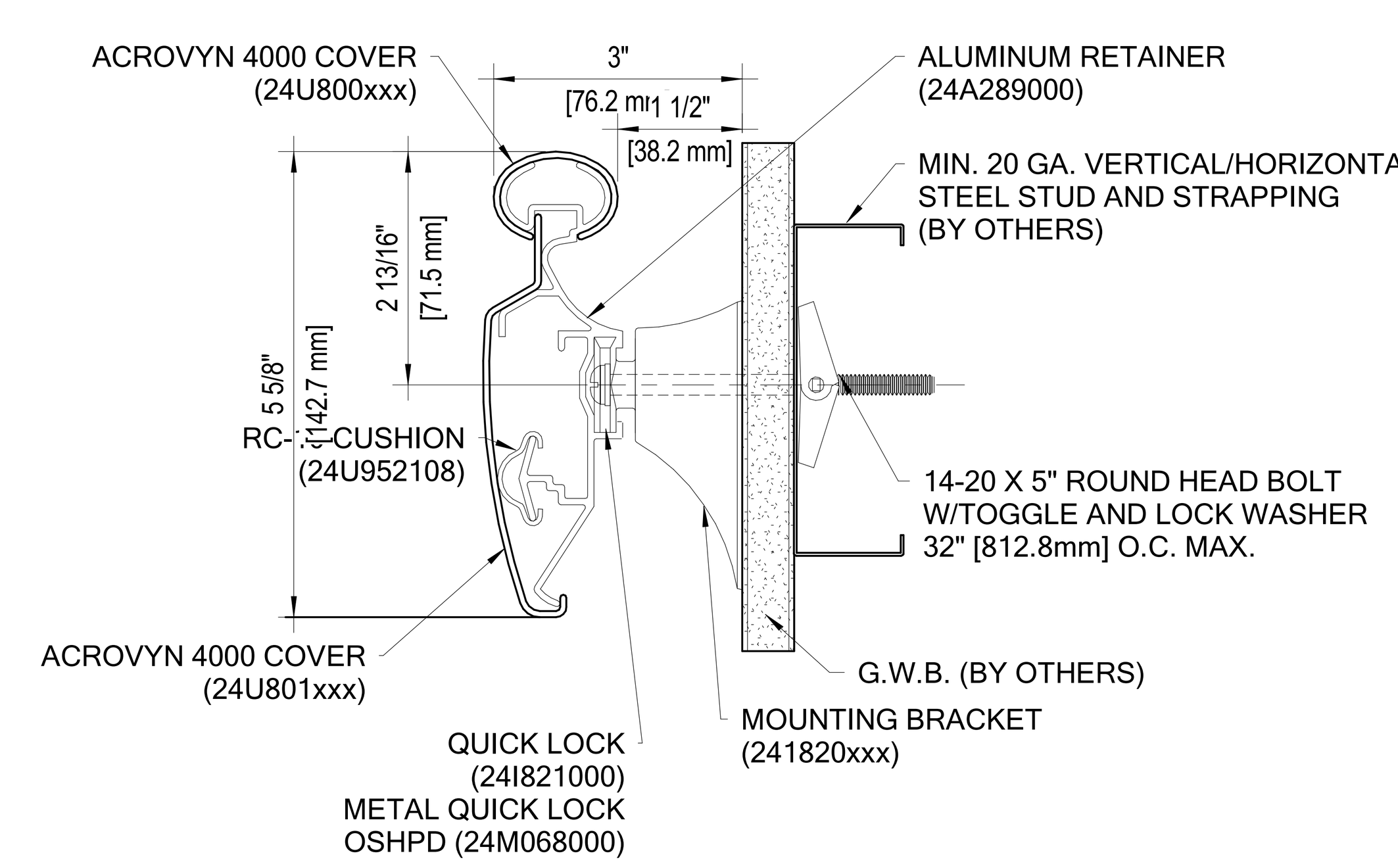
CORNER GUARD A4
6" = 1'-0"



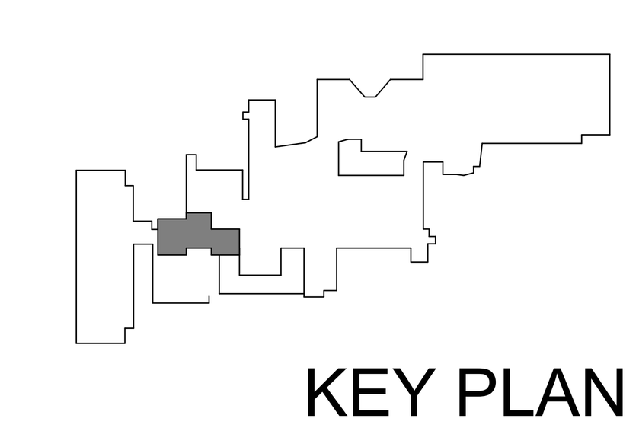
BUMPER RAIL A3
6" = 1'-0"



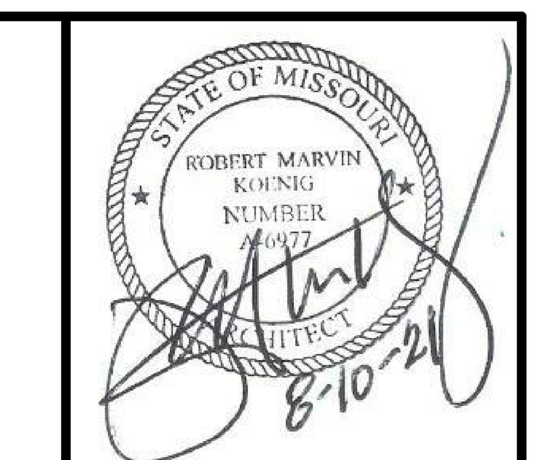
CRASH RAIL A2
6" = 1'-0"



HAND RAIL A1
6" = 1'-0"



KEY PLAN



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FITOUT SPACE 2W
1 HOSPITAL DRIVE, COLUMBIA, MO 65212

REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A712

INTERIOR FINISH PLAN

BID DOCUMENTS

Date: 08/10/2021
TreanorHL Project Number: HC0728.2101.00
MU Project Number: CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt
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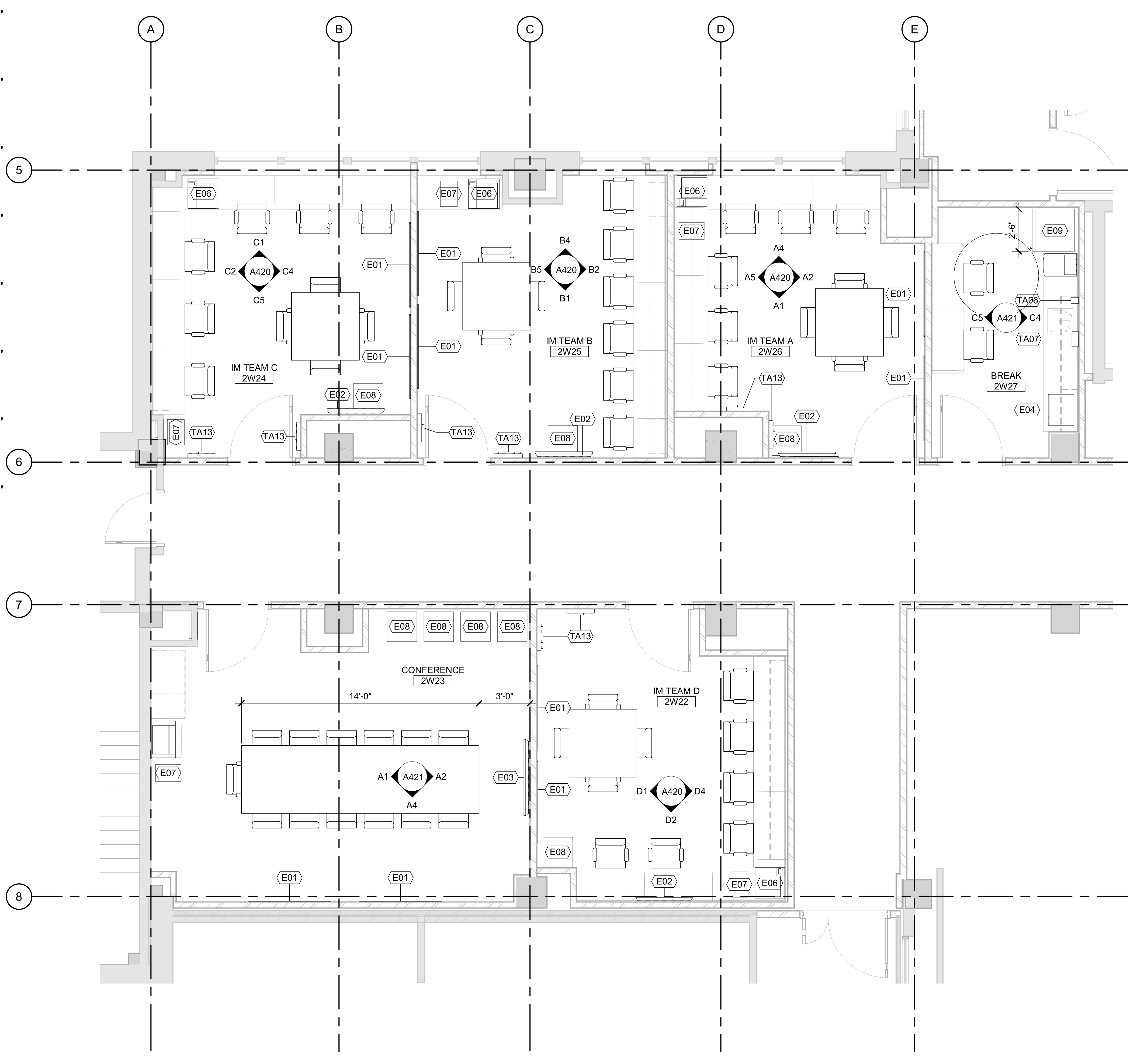
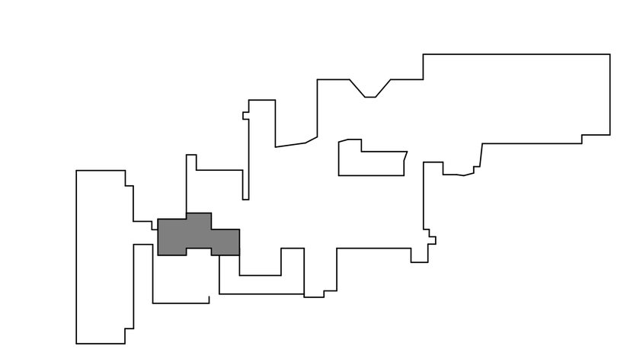
ACCESSORY SCHEDULE					
Type	Description	Manufacturer	Model	Procurement	Procure
E01	60"x84" GLASS MARKERBOARD MTD 4'-0" CTR. A.F.F.	PER OWNER		OFCI	PROVIDE IN-WALL BLOCKING
E02	42" MONITOR	PER OWNER		OFOI	PROVIDE IN-WALL BLOCKING
E03	60" MONITOR	PER OWNER		OFOI	PROVIDE IN-WALL BLOCKING
E04	MICROWAVE	PER OWNER		OFOI	
E05	COPIER	PER OWNER		OFOI	
E06	PRINTER	PER OWNER		OFOI	
E07	SHREDDER	PER OWNER		OFOI	
E08	W.O.W.	PER OWNER		OFOI	
E09	FRIDGE	PER OWNER		OFOI	
TA01	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	CFCI	
TA03	TOILET TISSUE DISPENSER LARGE	BOBRICK	B-27460	CFCI	
TA04	SANITARY NAPKIN DISPOSAL	BOBRICK	B-353 (Recessed)	CFCI	
TA05	GRAB BARS - 12" VERTICAL 36" REAR 42" SIDE	BOBRICK	B-8606	CFCI	
TA05A	GRAB BAR - REAR WALL	BOBRICK	B-6806-36	CFCI	
TA05B	GRAB BAR - VERTICAL	BOBRICK	B-6806-18	CFCI	
TA05C	GRAB BAR - SIDE WALL	BOBRICK	B-6806-42	CFCI	
TA06	SOAP DISPENSER	PER OWNER		OFCI	
TA07	PAPER TOWEL DISPENSER	PER OWNER		OFCI	
TA08	RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK	B-39747	CFCI	
TA10	FRAMED MIRROR 24"X36"	BOBRICK	B-165	CFCI	
TA11	TOILET COMPARTMENT	BOBRICK	B-1082	CFCI	
TA12	TOILET COMPARTMENT ADA	BOBRICK	B-1082	CFCI	
TA13	5 HOOK COAT RACK	PER OWNER		OFCI	
TA14	MOP HOLDER	BOBRICK	B-223-36	CFCI	
TA15	SHELF STANDARD	METRO	24"X14"	CFCI	POWDERCOAT



PHYSICIANS' WORKROOM PLAN A4

1/4" = 1'-0"



KEY PLAN

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REVISIONS
RE-ISSUED IN ENTIRETY 08/10/21

NO	DESCRIPTION	DATE

A720

FURNITURE & EQUIPMENT PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH Fitout Space 2W.rvt

8/6/2021 12:11:57 PM

1. GENERAL REQUIREMENTS:

A. BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE

B. FLOOR LIVE LOADS:

a. HOSPITAL – CORRIDORS ABOVE FIRST FLOOR		80 PSF
b. PATIENT ROOMS		40 PSF
c. MECHANICAL ROOMS		150 PSF

C. WIND LOADS

a. INTERIOR		5 PSF

D. SEISMIC LOADS

a. RISK CATEGORY		IV
b. SPECTRAL RESPONSE ACCELERATION:	Ss	0.163g
	S1	0.094g
c. SEISMIC IMPORTANCE FACTOR:	I	1.5
d. SPECTRAL RESPONSE COEFFICIENTS:	SDS	0.141
	SD1	0.094
e. SITE CLASS		C
f. SEISMIC DESIGN CATEGORY		C

E. DEAD LOADS

a. STRUCTURE	ACTUAL WEIGHT
b. MISC. UNDERHUNG MECHANICAL	10 PSF

F. CONTRACTOR SHALL REVIEW AND COMPARE THE STRUCTURAL DRAWINGS WITH ALL OTHER CONTRACT DOCUMENTS, VERIFYING ALL DIMENSIONS AND ELEVATIONS, AND REPORT ANY INCONSISTENCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

G. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE BASED ON SURVEYS MADE BY THE CONSULTANT(S) AS WELL AS ON MATERIAL PROVIDED BY THE OWNER AND NO CLAIM IS MADE AS TO ITS ABSOLUTE COMPLETENESS AND/OR ACCURACY. PRIOR TO THE START OF CONSTRUCTION OPERATIONS, FIELD-VERIFY EXISTING CONDITIONS AND DIMENSIONS PERTAINING TO THIS CONTRACT. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND AT THE SITE IN RELATION TO THE INFORMATION PROVIDED ON THE DRAWINGS.

H. HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 LBS AND A UNIFORM LOAD OF 50 PLF, IN ANY DIRECTION, AT ANY POINT ALONG THE HANDRAIL. THE CONCENTRATED LOAD AND UNIFORM LOAD ARE NOT ASSUMED TO ACT CONCURRENTLY.

2. CONCRETE:

A. CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE DOCUMENTS, ACI-301, 305, 306, 315, 318 AND 347 AND CONCRETE REINFORCING STEEL INSTITUTE MANUAL OF STANDARD PRACTICE UNLESS OTHERWISE NOTED IN THESE CONTRACT DOCUMENTS.

B. ALL CONCRETE, UNLESS OTHERWISE NOTED, SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH AND HAVE MAXIMUM WATER/CEMENT RATIOS AS FOLLOWS:

SLABS, JOISTS, BEAMS: 4000 PSI ($w/c \leq 0.44$)

C. IT IS THE INTENT OF THESE CONCRETE SPECIFICATIONS THAT THE CONTRACTOR SUPPLY CONCRETE MIXES WITH A MINIMUM AMOUNT OF WATER IN ORDER TO LIMIT PLASTIC SHRINKAGE CRACKING IN FRESHLY PLACED CONCRETE. IT IS EXPECTED THAT WORKABILITY FOR CONCRETE MIXES WILL REQUIRE THE ADDITION OF WATER-REDUCING AND/OR SUPER-PLASTICIZING CHEMICAL ADMIXTURES. WATER SHALL NOT BE ADDED TO THE CONCRETE MIX ON SITE.

D. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C-143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY.

E. NO ALUMINUM ITEMS SHALL BE EMBEDDED IN CONCRETE.

F. UNLESS NOTED OTHERWISE, TYPICAL HOUSEKEEPING PAD SHALL BE 6" THICK REINFORCED WITH #4 at 12" O.C. AND PAD SHALL EXTEND 6" BEYOND EQUIPMENT EACH DIRECTION.

3. REINFORCING STEEL

A. REINFORCING SHALL BE DETAILED, FABRICATED, PLACED, AND SUPPORTED IN ACCORDANCE WITH ACI 315, LATEST EDITION.

B. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

C. ALL WELDED WIRE FABRIC SHALL BE ASTM A185.

D. ALL ACCESSORIES FOR SUPPORTING REINFORCING SHALL BE GALVANIZED OR HAVE PLASTIC-COATED FEET.

E. STANDARD COVERAGE OF REINFORCING, UNLESS OTHERWISE SHOWN, SHALL BE AS FOLLOWS:

NOT EXPOSED TO EARTH OR WEATHER: SLABS, WALLS.....3/4"

F. REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH SAME STEEL AS IN SIMILAR SECTIONS OR AREAS. CLEARANCES BETWEEN BARS SHALL MEET ACI 318 REQUIREMENTS.

G. WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH SPACING.

H. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

4. MODULAR SUPPORT FRAMING:

A. ALL MODULAR SUPPORT FRAMING (UNISTRUT) SHALL BE MANUFACTURED BY:
a. UNISTRUT CORORTATION
b. HILTI, INC

B. MATERIALS
a. ALL COLD-FORMED CHANNEL MEMBERS SHALL BE FABRICAED FROM STRUCTURAL GRADE STEEL CONFORMING TO ASTM A1011C SS GR 33 OR ASTM A653 GR 33.
b. CHANNEL SHALL BE 1 5/8" 12 GAUGE. MINIMUM YIELD 33,0000 PSI
c. ALL COLD-FORMED FITTINGS, CHANNEL NUTS AND OTHER SYSTEM COMPONENTS SHALL BE FABRICATED FROM STRUCTURAL GRADE STEEL, MINIMUM YIELD 33,000 PSI.
d. ALL BOLTS AND FASTENERS SHALL BE MINIMUM SAE GRADE 5.
e. ALL COMPONENTS SHALL BE PRE-GALVANIZED (PG), ELECTRO GALVANIZED (EG), OR HOT DIPPED GALVANIZED (HDG).

3. ANCHORS:

A. CONCRETE:
a. ALL POST-INSTALLED ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 318, APPENDIX D AND SHALL BE ACCEPTABLE FOR CRACKED CONCRETE.
b. MECHANICAL ANCHORS FOR CRACKED CONCRETE SHALL BE HILTI KWIK HUS EZ SCREW ANCHORS PER ICC ESR-3027 UNLESS NOTED OTHERWISE.
c. ADHESIVE ANCHORS FOR CRACKED CONCRETE SHALL BE HILTI HIT-HY 200 SAFE SET SYSTEM W/ HILTI HAS-E THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REINFORCING PER ICC ESR-3187, UNLESS NOTED OTHERWISE.

B. EMBEDMENT DEPTH SHALL BE DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN DRIVEN INTO THE HOLE BUT NOT YET EXPANDED.

C. EQUIVALENT ANCHORS MAY BE SUBSTITUTED WITH THE ENGINEERS APPROVAL. SUBMITTAL IS THE CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS.

D. INSTALL ANCHORS TO MEET THE REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS, THE MANUFACTURER'S RECOMMENDATIONS AND ICC CODE REPORTS.

E. ANCHOR CAPACITY IS DEPENDANT UPON THE SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

F. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE SHALL NOT BE CUT DURING ANCHOR INSTALLATION UNLESS NOTED OTHERWISE. LOCATE THE POSITION OF THE EXISTING REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY FERROSCAN, GPR, X-RAY OR OTHER APPROVED MEANS.

5. SUBMITTALS:

A. ALL SHOP DRAWINGS AND SUBMITTALS MUST BE REVIEWED AND APPROVED BY THE CONTRACTOR PRIOR TO SUBMITTAL. ENGINEER'S REVIEW OF SHOP DRAWINGS IS LIMITED TO CHECKING FOR GENERAL CONFORMANCE WITH DESIGN DRAWINGS AND STRENGTH OF COMPONENTS AND MATERIALS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES FROM THE DESIGN DRAWINGS, QUANTITIES, DIMENSIONAL ERRORS OR OMISSIONS ON THE SHOP DRAWINGS.

B. ALL SHOP DRAWINGS MUST BE ORIGINAL DOCUMENTS AND SHALL NOT BE REPRODUCTIONS OF THESE CONTRACT DOCUMENTS.

C. CONTRACTOR SHALL SUBMIT THE FOLLOWING:
a. MODULAR SUPPORT FRAMING PRODUCT INFORMATION

STRUCTURAL GENERAL NOTES C1
NTS

1. GENERAL:

1.1. THE REPAIRS SHOWN IN THESE CONSTRUCTION DOCUMENTS SHALL BE APPLIED BY THE CONTRACTOR AS NEEDED TO ALL AREAS OF THE CONCRETE FRAMING AS NEEDED AND DIRECTED BY THE ARCHITECT. ALL ABANDONED PENETRATIONS REQUIRE REPAIR.

1.2. CONDITIONS OBSERVED DURING PRE-BID WALK THROUGH AND CONSTRUCTION SIMILAR TO THOSE SHOWN BUT NOT SPECIFICALLY NOTED IN THE CONSTRUCTION DOCUMENTS SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE.

2. GENERAL REPAIR PREPARATION REQUIREMENTS:

2.1. ALL AREAS WITH REQUIRED WORK SHALL BE CLEANED TO SOUND CONCRETE WITH A 1/8" MINIMUM SURFACE PROFILE. CONCRETE SHALL BE REMOVED BEYOND SOUND CONCRETE AS REQUIRED FOR MINIMUM PATCH THICKNESS.

2.2. ACCESS TO SOUND CONCRETE SHALL INCLUDE THE REMOVAL OF ALL DEBRIS AND ABANDONED EQUIPMENT, FORMS, INSULATION, PIPING, ETC.

2.3. ALL EXPOSED AND DAMAGED REINFORCING SHALL BE CLEANED WITH A WIRE BRUSH, SAND-BLASTING, OR OTHER APPROVED METHOD UNTIL ONLY NON-DAMAGED MATERIAL REMAINS. NOTIFY THE ARCHITECT IF LESS THAN 90 PERCENT OF THE ORIGINAL BAR AREA REMAINS. THIS MAY REQUIRE NEW REINFORCING TO BE SPLICED WITH NON-DAMAGED REINFORCING.

2.4. ALL REPAIR MATERIALS SHALL BE APPLIED PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

2.5. REPAIRED STRUCTURE SHALL MATCH PROFILE OF EXISTING UNDAMAGED STRUCTURE.

3. PARTIAL-DEPTH CONCRETE SLAB REPAIR:

3.1. IF SLAB REINFORCING IS EXPOSED USE FULL DEPTH REPAIR BELOW.

3.2. INFILL CRACKS AND HOLES (MAX DIA = 3/8") AT TOP OF SLAB ABOVE DAMAGED AREAS WITH MULTI-PURPOSE, TWO-COMPONENT, SOLVENT-FREE, MOISTURE INSENSITIVE, STRUCTURAL EPOXY ADHESIVE AND PROTECTIVE COATING.

3.3. SCRUB COAT CONCRETE SUBSTRATE AS REQUIRED PRIOR TO REPAIR PER MANUFACTURER'S RECOMMENDATIONS.

3.4. HAND PATCH WITH FAST SETTING, ONE COMPONENT, READY-TO-USE REPAIR MORTAR PER MANUFACTURER'S RECOMMENDATIONS. MAXIMUM LIFT THICKNESS = 1 INCH.

4. FULL-DEPTH REPAIR OR SLAB INFILL:

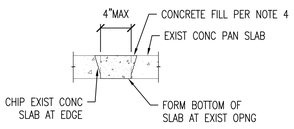
4.1. SAWCUT EXISTING CONCRETE SLAB FULL WIDTH BETWEEN EXISTING CONCRETE JOISTS + 2" BEYOND EXTENTS OF ANY DAMAGE EACH SIDE.

4.2. ROUGHEN EXISTING CONCRETE SLAB EDGE PERPENDICULAR TO JOIST SIMILAR TO SMALL HOLE REPAIR DETAIL.

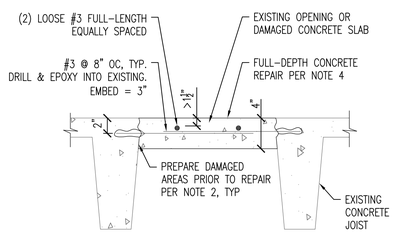
4.3. PROVIDE DOWELS AT 8" ON CENTER ON ALL FOUR SIDES OF OPENING USING HILTI HIT-HY 200 ADHESIVE OR EQUAL. REINFORCE SLAB AS SHOWN.

4.4. SCRUB COAT CONCRETE SUBSTRATE AS REQUIRED PRIOR TO REPAIR WITH CEMENT-SAND SLURRY.

4.5. PLACE FULL DEPTH 4000 PSI CONCRETE SLAB.

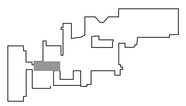


SMALL HOLE OR PIPE PENETRATION



LARGE HOLE OR DUCT PENETRATION

STRUCTURAL REPAIRS A1
NTS



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REVISIONS

NO	DESCRIPTION	DATE
	Re-Issued in Entirety	8/10/21

S001

STRUCTURAL GENERAL NOTES AND DETAILS

BID DOCUMENTS

Date: August 10, 2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

PLUMBING

AD	AREA DRAIN
AP	ACCESS PANEL
AW	ACID WASTE
AV	ACID VENT
BV	BALANCE VALVE
CB	CATCH BASIN
CFS	CUBIC FEET PER SECOND
CO	CLEANOUT
CHV	CHECK VALVE
CW	COLD WATER
DN	DOWN
DV	DRAIN VALVE
EX	EXISTING PIPING OR EQUIPMENT
F	FLANGE CONNECTION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
GA	GAUGE
GC	GAUGE COCK
HW	HOT WATER
HWC	HOT WATER CIRCULATING
L	LAVATORY
MSB	MOP SERVICE BASIN
RD	ROOF DRAIN
RI	ROUGH-IN (ONLY)
RI & C	ROUGH-IN AND CONNECT
SAN	SANITARY SEWER
SS	SERVICE SINK
ST	STORM SEWER
SV	SERVICE VALVE
TD	TRENCH DRAIN
TH	THERMOMETER
U	UNION
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET

SAN	SANITARY SEWER (SOIL, WASTE) BELOW GRADE
SAN	SANITARY SEWER (SOIL, WASTE) ABOVE GRADE
ST	STORM SEWER BELOW GRADE
ST	STORM SEWER ABOVE GRADE
	SLOPE IN DIRECTION OF ARROW (SEE PLANS FOR % OF SLOPE)
V	VENT
SSD	SUBSOIL DRAIN
CW	COLD WATER
ICW	ICE COLD WATER
SCW	SOFT COLD WATER
HW	HOT WATER
HWC	HOT WATER CIRCULATING
WM	WATER MAIN (OUTSIDE OF BUILDING)
RV / TPV	TEMPERATURE & PRESSURE RELIEF VALVE
UP	PIPE LINE, TURN UP
DN	PIPE LINE, TURN DOWN
BV	BALANCE VALVE
CHV	CHECK VALVE
DV	DRAIN VALVE
GA / DV / GC	GAUGE AND GAUGE COCK
PR	PRESSURE REGULATOR
PRV	PRESSURE REDUCING VALVE
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
SV	SERVICE VALVE
TH	THERMOMETER
U	UNION
E	CONNECT TO EXISTING EQUIPMENT, SYMBOL
1	PLUMBING RISER DESIGNATION
A	DOWNSPOUT DESIGNATION
3	KEYED NOTE DESIGNATION

FIRE PROTECTION

F	FIRE LINE
SPR	SPRINKLER MAIN
SIV	SUPERVISED INDICATING VALVE
WFI	WATER FLOW INDICATOR
URH	UPRIGHT HEAD
PH	PENDENT HEAD
CH	CONCEALED HEAD
SWH	SIDEWALL HEAD
FEC	FIRE EXTINGUISHER CABINET
FVC	FIRE VALVE CABINET
FHC	FIRE HOSE CABINET

MECHANICAL

AD	ACCESS DOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
AV	AIR VENT
BV	BALANCE VALVE
COM	COMMON
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CHV	CHECK VALVE
CT	COOLING TOWER
CU	CONDENSER UNIT
CV	CONTROL VALVE
D	DAMPER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DR	DRAIN LINE
DV	DRAIN VALVE
EF	EXHAUST FAN
EX	EXISTING
EXH	EXHAUST
F	FLANGE CONNECTION
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FRD	FIRE RATED DAMPER
T	STEAM TRAP
G	GAS
GA	GAUGE
GC	GAUGE COCK
H	HUMIDIFIER
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
MA	MAKE-UP AIR
MBH	1000 BTU/HR
MC	MECHANICAL COUPLING
MXA	MIXED AIR
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTSIDE AIR
P	PETE'S PLUG
RA	RETURN AIR
RLA	RELIEF AIR
RV	RELIEF VALVE
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN
STR	STRAINER
SV	SERVICE VALVE
TH	THERMOMETER
TW	THERMOMETER WELL
U	UNION
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
VAV	VARIABLE AIR VOLUME UNIT

CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
UP	PIPE LINE, TURNED UP
DN	PIPE LINE, TURNED DOWN
BV	BALANCE VALVE
CV	2 WAY CONTROL VALVE
CHV	CHECK VALVE
DV	DRAIN VALVE
F / GA / GC	FLANGE CONNECTION
	GAUGE AND GAUGE COCK
MC	MECHANICAL COUPLING
P	PETE'S PLUG
PFC	PIPE FLEXIBLE CONNECTOR
PR	PRESSURE REGULATOR
PRV	PRESSURE REDUCING VALVE
RV	RELIEF VALVE
SV	SERVICE VALVE
STR	STRAINER
T	STEAM TRAP
TH	THERMOMETER
TW	THERMOMETER WELL
U	UNION
M	METER
	CAP
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER (BOTTOM & TOP LEVEL)
PA	PIPE ANCHOR
PG	PIPE GUIDE

	FLEXIBLE DUCTWORK
	SUPPLY AIR DUCT, DOWN
	SUPPLY AIR DUCT, UP
	RETURN, OUTSIDE, RELIEF OR EXH DUCT DN
	RETURN, OUTSIDE, RELIEF OR EXH DUCT UP
	DROP IN DIRECTION OF ARROW
D / M	DAMPER
FRD	AUTOMATIC CONTROL DAMPER
BDD	FIRE RATED DAMPER
	BACK DRAFT DAMPER
D	FLEXIBLE DUCT BOOT CONNECTION WITH DAMPER (SEE DETAIL)
AP	ACCESS DOOR/PANEL
AP X"x"X"	
Ø	ROUND DUCTWORK
	OVAL DUCTWORK
	TURNING VANES
	EXISTING PIPING OR EQUIPMENT TO REMAIN
	EXISTING PIPING OR EQUIPMENT TO BE REMOVED
	NEW PIPING OR EQUIPMENT
RF 1	TYPE OF EQUIPMENT EQUIPMENT DESIGNATION NUMBER OF EQUIPMENT
A 150	TYPE AIR DEVICE DESIGNATION CFM
A M1.1	SECTION REFERENCE SECTION DESIGNATION SHEET WHERE SECTION IS SHOWN
E	CONNECT TO EXISTING EQUIPMENT
3	KEYED NOTE DESIGNATION

KEY PLAN

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REVISIONS

NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

M001

SYMBOLS, ABBREVIATIONS, AND SCHEDULE

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

***MU* Project Number:**
CP210701

GENERAL NOTES

1. ABANDONED PIPING STUBBED INTO SECOND FLOOR SHALL BE DEMOLISHED DOWN TO BELOW FLOOR AND CAPPED. PATCH FLOOR TO MATCH EXISTING.
2. ALL ABANDONED PIPING SHALL BE LABELED AS "ABANDONED IN PLACE".

KEYED NOTES

1. COULD NOT VERIFY EXISTING CONDITIONS. CONTRACTOR TO FIELD VERIFY CONDITIONS FOR DEMOLITION WORK.
2. DEMOLISH EXISTING PIPING AND CAP BACK AT MAINS/RISERS AS INDICATED. PATCH REMAINING OPENINGS IN CHASE WALL TO MATCH EXISTING.

NOT IN SCOPE

NOT IN SCOPE

PARTIAL FIRST FLOOR DEMOLITION PLUMBING PLAN
SCALE: 1/8"=1'-0"

KEY PLAN

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	RE-ISSUED IN ENTIRETY	08/10/21

PD201

FIRST FLOOR DEMOLITION PLUMBING PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE ACCESS. ANY CHANGES THAT NEGATIVELY AFFECT SERVICE ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL COORDINATE SYSTEM SHUT DOWN WITH OWNER AND PROVIDE DRAINING AND FILLING OF ALL WATER SYSTEMS AS REQUIRED TO PERFORM WORK NOTED HEREIN.
3. ALL SCOPE SHOWN IS TO BE PHASED TO MINIMIZE OUTAGE OF SERVICE TO LESS THAN 24 HOURS.
4. ALL ABANDONDED PIPING SHALL BE LABELED AS "ABANDONED IN PLACE".

KEYED NOTES

1. DEMOLISH AND CAP ABANDONED PIPING STUBBED UP THROUGH FLOOR BACK TO MAIN.
2. DEMOLISH AND CAP ABANDONED WASTE AND VENT PIPING BACK TO MAIN.
3. DEMOLISH AND CAP ABANDONED DOMESTIC WATER SUPPLY LINES BACK TO MAIN.
4. DEMOLISH AND CAP ABANDONED SANITARY PIPING BACK TO MAIN IN 1ST FLOOR CEILING SPACE BELOW.

NOT IN SCOPE

NOT IN SCOPE

N

PARTIAL SECOND FLOOR DEMOLITION PLUMBING PLAN

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

KEY PLAN

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REVISIONS

NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

PD202

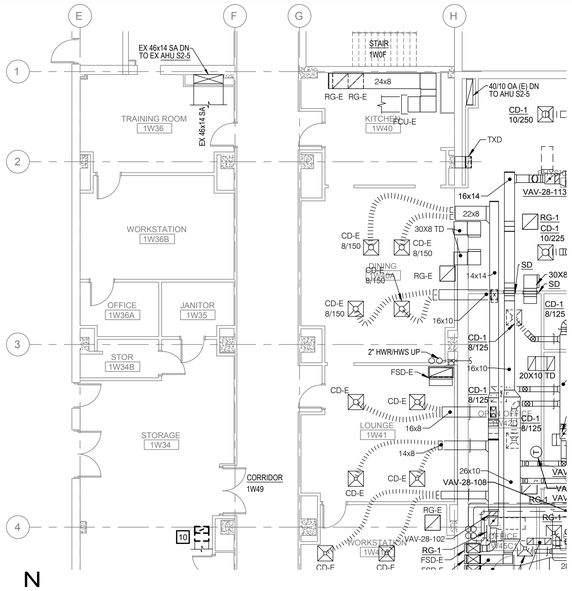
SECOND FLOOR DEMOLITION PLUMBING PLAN

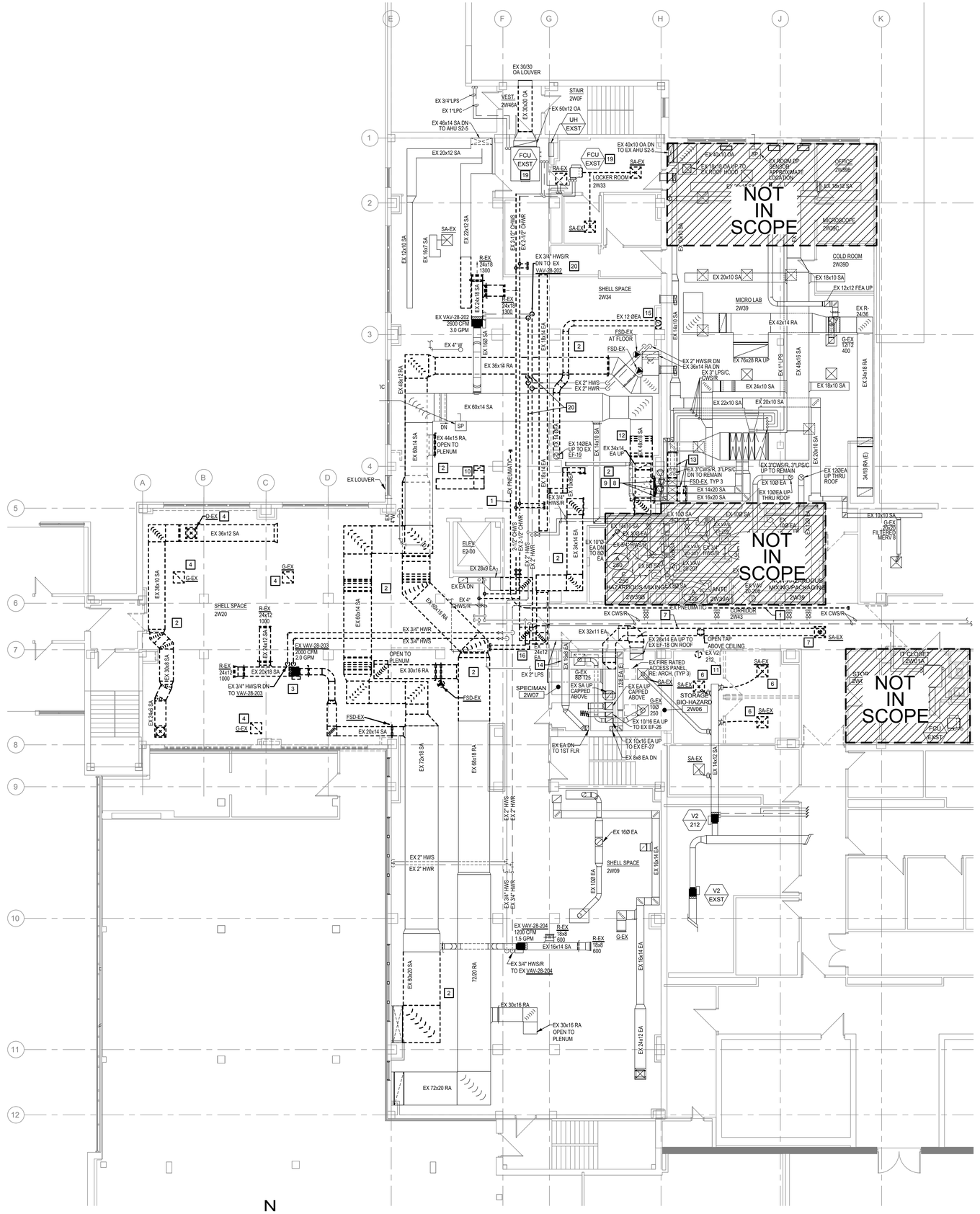
BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701





N PARTIAL FIRST FLOOR HVAC DEMOLITION PLAN

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

N PARTIAL SECOND FLOOR TEMPORARY HVAC PLAN

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

N PARTIAL SECOND FLOOR DEMOLITION HVAC PLAN

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

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE ACCESS. ANY CHANGES THAT NEGATIVELY AFFECT SERVICE ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL COORDINATE SYSTEM SHUT DOWN WITH OWNER AND PROVIDE DRAINING AND FILLING OF ALL HYDRONIC SYSTEMS AS REQUIRED TO PERFORM WORK NOTED HEREIN.
3. ALL SCOPE SHOWN IS TO BE PHASED TO MINIMIZE OUTAGE OF SERVICE TO LESS THAN 24 HOURS.
4. PRIOR TO BEGINNING DEMOLITION, CONTACT THE OWNER REPRESENTATIVE CONCERNING REMOVAL OF EXISTING CONTOLLERS AND ZONE TEMPERATURE SENSORS SO THEY ARE NOT DAMAGED. RETURN CONTROLLER AND SENSOR TO OWNER IN NOT BEING REUSED. RECONNECT THE EXISTING NETWORK BUS WIRING SO COMMUNICATIONS IS MAINTAINED DURING DEMOLITION AND CONSTRUCTION. CONTACT THE OWNER REPRESENTATIVE CONCERNING THE BUS ROUTING. SPLICING OF WIRES IS NOT ALLOWED. PULL NEW WIRES IF EXISTING WIRES ARE TOO SHORT.

KEYED NOTES

1	DEMOLISH ABANDONED PNEUMATIC TUBE.
2	DEMOLISH EXISTING DUCTWORK AS INDICATED.
3	DEMOLISH EXISTING VAV, ASSOCIATED AIR DEVICES, AND DUCTWORK, HEATING WATER PIPING, AND DRAIN PIPING AND CAP AT SERVICE VALVES.
4	DEMOLISH EXISTING AIR DEVICES AS INDICATED.
5	PROVIDE TEMPORARY FLEX CONNECTIONS AND CAPS ON SUPPLY AND RETURN DUCT TO KEEP AHU-28 LIVE DOWN TO 1ST FLOOR DURING CONSTRUCTION. SUPPORT FLEX DUCT OVERHEAD.
6	DEMOLISH AIR DEVICES AND FLEX DUCTWORK SERVING FORMER OFFICE AREAS ASSOCIATED WITH V2-212. CAP AT SUPPLY DUCTWORK AND SEAL AND INSULATE SUPPLY DUCT.
7	DEMOLISH ABANDONED SUPPLY AIR DUCTWORK AND ASSOCIATED AIR DEVICE. CAP AT RISER.
8	DEMOLISH AND ABANDONED DUCTWORK WHILE LEAVING HORIZONTAL STUBS AND TO ALLOW TEMPORARY FLEX DUCT CONNECTION. RELOCATE EXISTING SMOKE DETECTOR TO REMAINING SECTION OF DUCT.
9	DEMOLISH AND PROTECT EXISTING LIFE SAFETY DAMPERS FOR RE-INSTALLATION.
10	DEMOLISH EXISTING DUCTWORK BELOW ASSOCIATED FLOOR/CEILING PENETRATION. CAP IN 1ST FLOOR CEILING SPACE. PATCH REMAINING HOLE TO MATCH EXISTING OR NEW CONSTRUCTION AS NEEDED.
11	REMOVE THERMOSTAT AND RE-INSTALL IN NEW LOCATION SHOWN ON M-302 BEFORE DEMOLITION WORK IS PERFORMED.
12	DEMOLISH EXHAUST DUCT TO ALLOW FOR NEW SUPPLY AIR DUCT TO BE ROUTED. CAP AND SEAL EXHAUST DUCT AT CEILING LEVEL.
13	DEMOLISH AND CAP EXISTING DUCTWORK FROM RISER IN CHASE TO EXISTING CONTROL DAMPERS AS INDICATED. LABEL REMAINING HORIZONTAL DUCTWORK AS "ABANDONED". PATCH CHASE WALL TO MATCH EXISTING.
14	PRE-READ AIRFLOW IN EXISTING EXHAUST DUCTWORK BEFORE ANY DEMOLITION TO THE SYSTEM IS PERFORMED. REPORT PRE-READ VALUES TO ENGINEER.
15	DEMOLISH THROUGH WALL. PATCH WALL TO MATCH EXISTING.
16	DEMOLISH AND CAP AT MAINS.
17	PROVIDE TEMPORARY FLEX CONNECTIONS AND CAPS ON SUPPLY DUCT TO KEEP PHARMACY AREA LIVE DURING CONSTRUCTION. SUPPORT FLEX DUCT OVERHEAD.
18	PROVIDE TEMPORARY FLEX CONNECTIONS AND CAPS ON EXHAUST DUCT TO KEEP EXISTING EF-18 LIVE UP TO ROOF DURING CONSTRUCTION. SUPPORT FLEX DUCT OVERHEAD.
19	LABEL EQUIPMENT AS ABANDONED IN PLACE. SHUT CLOSE ALL VALVES CONNECTING TO THE DEVICES.
20	DEMOLISH AND TEMPORARILY CAP SECTION OF EXISTING HEATING WATER PIPING SHOWN IN ORDER TO ACCOMMODATE NEW RETURN AIR MAIN DUCT. SEE NEW WORK PLAN FOR NEW HEATING WATER PIPE ROUTING.

KEY PLAN

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STATE LIC. 2011015792

PE-2011015792

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REVISIONS

NO	DESCRIPTION	DATE
RE-ISSUED IN ENTIRETY		08/10/21

MD302

SECOND FLOOR DEMOLITION HVAC PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

S:\071625.000 UMC UMTH Renovate 2W\03 Mechanical\SWAMP\MD201.dwg 04/15/21 09:08 SJF

BIM 360://HC0728 MU Teaching Hospital/UMTH 2-West_Materials Swamp.rvt

5/27/2021 11:32:04 AM

GENERAL NOTES

1. FIELD VERIFICATION NEEDED FOR FIRST FLOOR PLUMBING NEW WORK SCOPE. ABANDONED PIPING STUBBED INTO SECOND FLOOR SHALL BE DEMOLISHED BACK TO MAINS.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE ACCESS. ANY CHANGES THAT NEGATIVELY AFFECT SERVICE ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL COORDINATE SYSTEM SHUT DOWN WITH OWNER AND PROVIDE DRAINING AND FILLING OF ALL WATER SYSTEMS AS REQUIRED TO PERFORM WORK NOTED HEREIN.
4. ALL SCOPE SHOWN IS TO BE PHASED TO MINIMIZE OUTAGE OF SERVICE TO LESS THAN 24 HOURS.

KEYED NOTES

1. CONNECT NEW 4" WASTE INTO EXISTING WASTE RISER AS INDICATED.
2. CONNECT NEW 2" WASTE AND 2" VENT INTO EXISTING RISERS AS INDICATED.
3. FIELD VERIFY EXISTING HORIZONTAL WASTE AND VENT PIPING SIZES. CONNECT NEW 3" WASTE AND 2" VENT INTO EXISTING HORIZONTAL PIPING OR NEAREST VERTICAL RISERS IF HORIZONTAL PIPING ISN'T SUITABLE.

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

KEY PLAN

ERIC A. REUTHER
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PROGRESS PRINT
05/27/2021

REVISIONS		
NO	DESCRIPTION	DATE
1	ADDENDUM #1	06/24/21

P201

FIRST FLOOR PLUMBING PLAN

SCHEMATIC DESIGN

Date: 05/27/2021

TreanorHL Project Number: HC0728.2102.00

MU Project Number: CP210702

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE ACCESS. ANY CHANGES THAT NEGATIVELY AFFECT SERVICE ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL COORDINATE SYSTEM SHUT DOWN WITH OWNER AND PROVIDE DRAINING AND FILLING OF ALL WATER SYSTEMS AS REQUIRED TO PERFORM WORK NOTED HEREIN.
3. ALL SCOPE SHOWN IS TO BE PHASED TO MINIMIZE OUTAGE OF SERVICE TO LESS THAN 24 HOURS.

KEYED NOTES

1. TAP EXISTING DOMESTIC 1-1/2" COLD AND 1" HOT WATER RISERS WITH VALVES AND ROUTE NEW 1" COLD AND 3/4" HOT WATER PIPING AS INDICATED.
2. FURNISH AND INSTALL NEW PLUMBING FIXTURES AND ROUTE VENT AND DOMESTIC COLD AND HOT WATER AS INDICATED.
3. CONNECT NEW 2" VENT PIPING INTO EXISTING VENT RISER AS INDICATED.
4. PROVIDE WATER HAMMER ARRESTORS AT HOT AND COLD CONNECTIONS TO FAUCETS AND FLUSH VALVES. REFER TO SPECIFICATION SECTION 22 80 01.
5. ROUTE HARD PIPED COLD WATER CONNECTION UNDER THE COUNTER AND PROVIDE WITH CHROME VALVE AND A FILTER BEFORE CONNECTING TO THE ICE MAKER. PROVIDE HUB DRAIN FOR ICE MAKER AND ROUTE DRAIN TO TIE INTO SINK WASTE. REFER TO CONTERTOP ICE MAKER DRAIN DETAIL ON M601.
6. CONTINUE EXISTING COLD WATER PIPING AS INDICATED.

NOT IN SCOPE

NOT IN SCOPE

PARTIAL SECOND FLOOR PLUMBING PLAN

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

KEY PLAN

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NO	DESCRIPTION	DATE
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P202

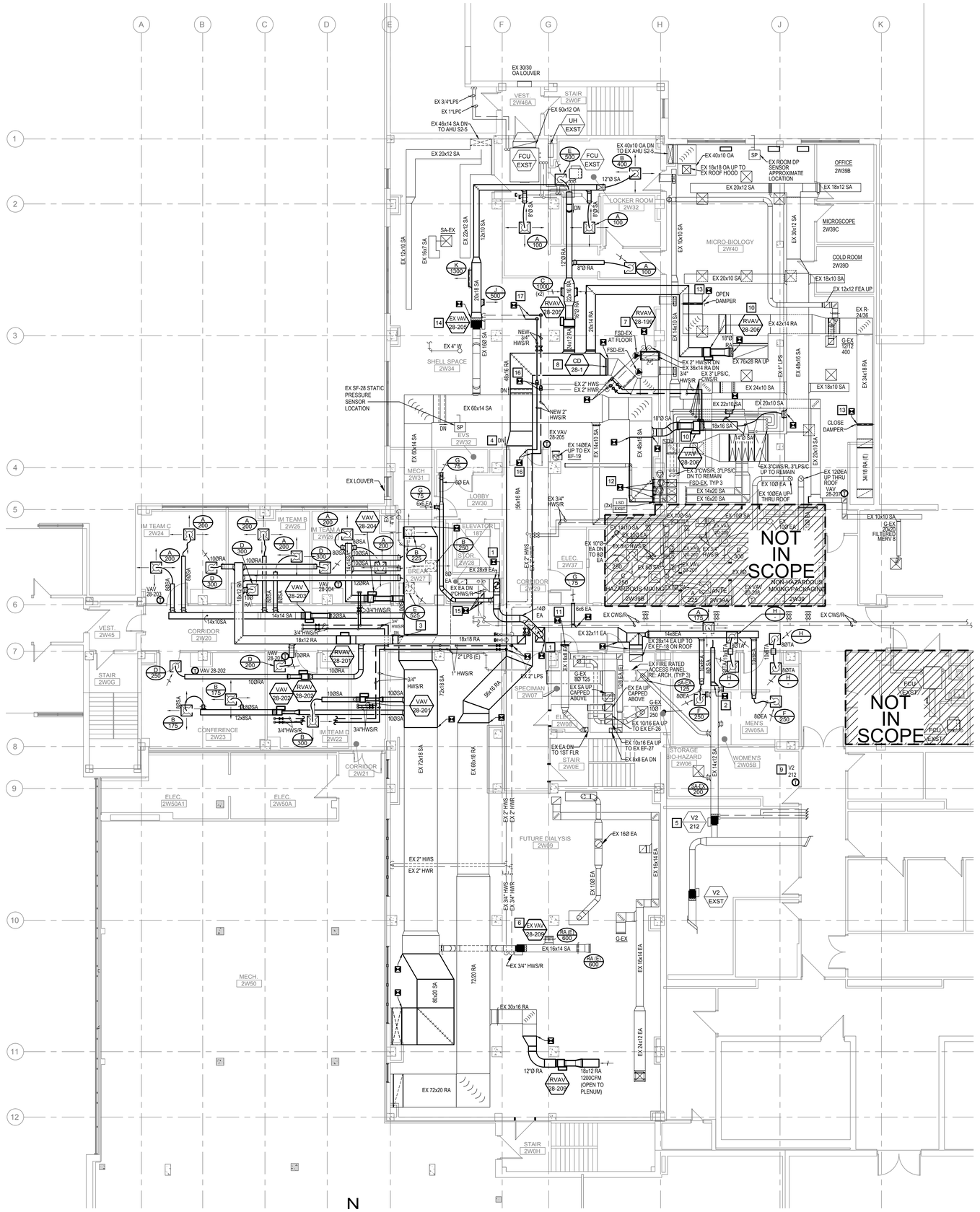
SECOND FLOOR PLUMBING PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701



PARTIAL SECOND FLOOR HVAC PLAN

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

0 2' 4' 6' 8'

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE ACCESS. ANY CHANGES THAT NEGATIVELY AFFECT SERVICE ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL COORDINATE SYSTEM SHUT DOWN WITH OWNER AND PROVIDE DRAINING AND FILLING OF ALL HYDRONIC SYSTEMS AS REQUIRED TO PERFORM WORK NOTED HEREIN.
3. ALL SCOPE SHOWN IS TO BE PHASED TO MINIMIZE OUTAGE OF SERVICE TO LESS THAN 24 HOURS.
4. TEST AND BALANCE CONTRACTOR SHALL PERFORM A BLOWER DOOR TEST AFTER WALLS ARE CONSTRUCTED AND SEALED. WORK SHALL BE PERFORMED PRIOR TO INSTALLATION OF CEILINGS.
5. BALANCE DAMPER TO BE INSTALLED AT ALL DIFFUSER AND GRILLE TAKE-OFFS.

KEYED NOTES

1. TRANSITION TO ROUND, ROUTE UP INTO BEAM POCKET AT 45 ANGLE. ROUTE ABOVE EXISTING UTILITIES, DROP DOWN AND TRANSITION TO RECONNECT TO EXISTING EXHAUST DUCT.
2. TRANSITION V2-212 DUCTWORK TO ROUND FOR CORRIDOR AIR DEVICE CONNECTION.
3. ROUTE 18x18 RETURN DUCT IN BEAM POCKET ABOVE SUPPLY AIR DUCTWORK.
4. SLOPE RETURN DUCTWORK UPWARDS OVER SUPPLY DUCTWORK.
5. SET V2-212 TO 350 CFM CONSTANT VOLUME IN BAS.
6. RE-LABEL EXISTING VAV 28-204 TO VAV 28-209. CHANGE NAME TO V-28-209 IN BAS.
7. INSTALL NEW BUILT-UP RETURN AIR VAV UNIT FOR FIRST FLOOR RETURN AIR SERVICE. INSTALL NEW FLOW STATION IN VERTICAL RETURN AIR DUCTWORK FROM 1ST FLOOR. INSTALL AT ACCESSIBLE HEIGHT. PROVIDE AND INSTALL ACCESS DOORS TO ALLOW COMPLETE SERVICE AND REMOVAL OF FLOW STATION AND CONTROL DAMPER. COORDINATE WITH CARPENTRY AND DRYWALL CONTRACTORS.
8. INSTALL NEW CONTROL DAMPER IN VERTICAL SECTION OF 36X16 DUCTWORK AT ACCESSIBLE HEIGHT WITH ACCESS DOORS. COORDINATE ACCESS DOORS WITH OTHER TRADES. INSTALL CONTROL DAMPER DOWNSTREAM OF AIRFLOW MEASURING STATION.
9. INSTALL NEW THERMOSTAT FOR EXISTING TERMINAL BOX V2-212.
10. PROVIDE VAV BOX (SUPPLY AND RETURN) AND DUCTS AS ILLUSTRATED ON PLANS TO BACKFEED EXISTING DUCTWORK. CONNECT RETURN VAV IN TO RETURN MAIN AND ROUTE BACK TOI NEW SYSTEMS. CONNECT SUPPLY MAIN INTO EXISTING MAIN AND ROUTE BACK TO NEW SYSTEM.
11. ADD BALANCE DAMPER TO EXISTING EXHAUST DUCTWORK.
12. RE-INSTALL LIFE SAFETY DAMPERS IN RAISED DUCT LOCATION.
13. INSTALL NEW BALANCE DAMPER IN EXISTING RETURN DUCTWORK.
14. RE-LABEL EXISTING VAV 28-202 TO VAV 28-205. CHANGE NAME TO V-28-205 IN BAS.
15. NEW STRAIGHT 4" CHILLED WATER SUPPLY AND RETURN PIPING INSTALLED TO REPLACE DEMOLISHED TAPS.
16. ROUTE NEW 2" HEATING WATER SUPPLY AND RETURN PIPING TO AVOID NEW RETURN AIR DUCT OFFSET. CONNECT TO EXISTING 2" HEATING WATER PIPING MAINS.
17. ROUTE NEW 3/4" HEATING WATER SUPPLY AND RETURN PIPING WITH VALVES TO EXISTING HEATING WATER PIPING SERVING EXISTING VAV 28-205. ENSURE NEW VALVES ARE AS CLOSE TO MAINS AS POSSIBLE WHILE MAINTAINING ACCESS.

KEY PLAN

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NUMBER
PE-2011015792
8/4/21

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REVISIONS

NO	DESCRIPTION	DATE
RE-ISSUED IN ENTIRETY		08/10/21

M302

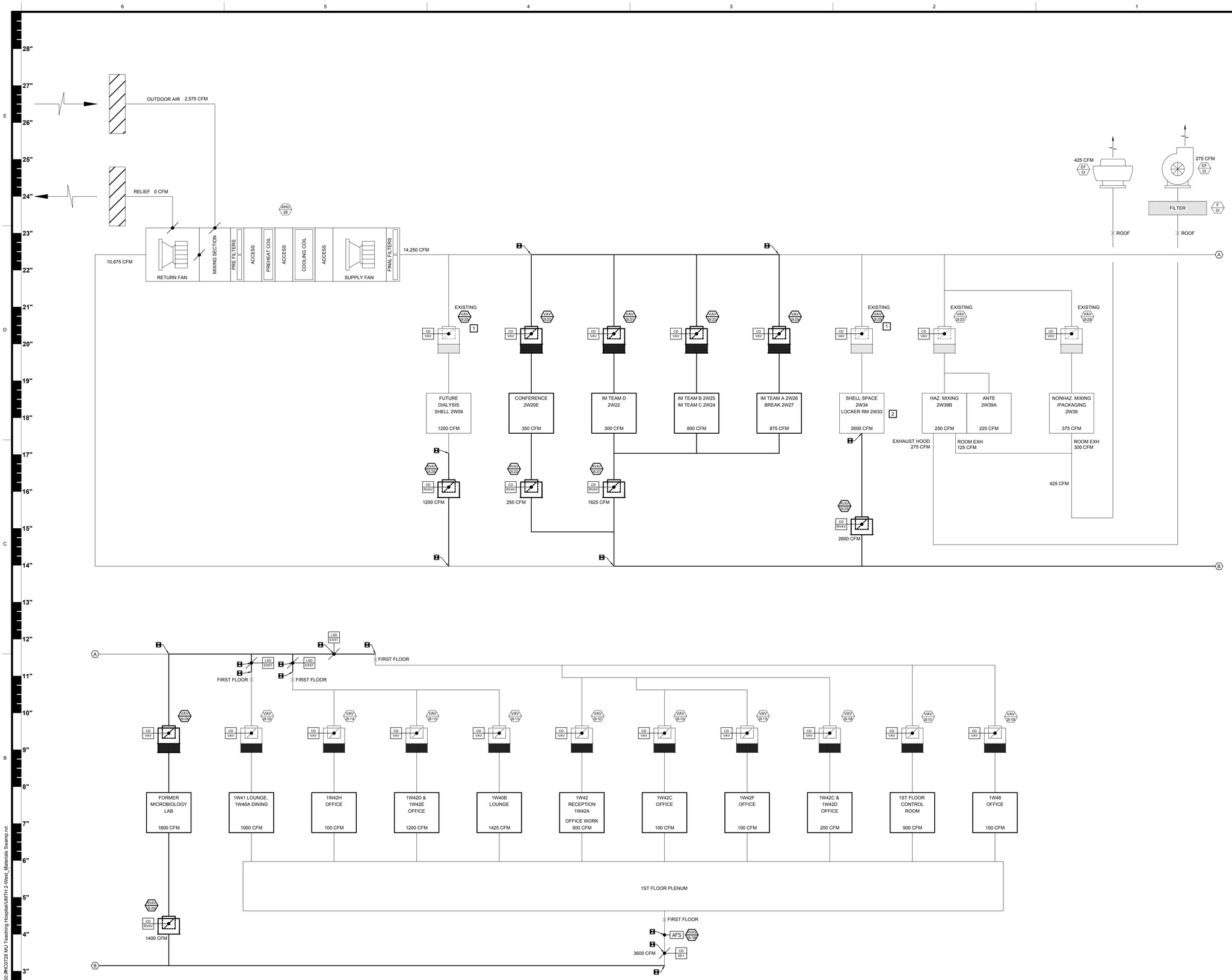
SECOND FLOOR
HVAC PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701



KEYED NOTES

1 RENAME EXISTING VAV.

KEY PLAN

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M501

AIRFLOW DIAGRAM

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

BIM 360://HC0728 MU Teaching Hospital/UMTH 2-West_Materials Swamp.rvt

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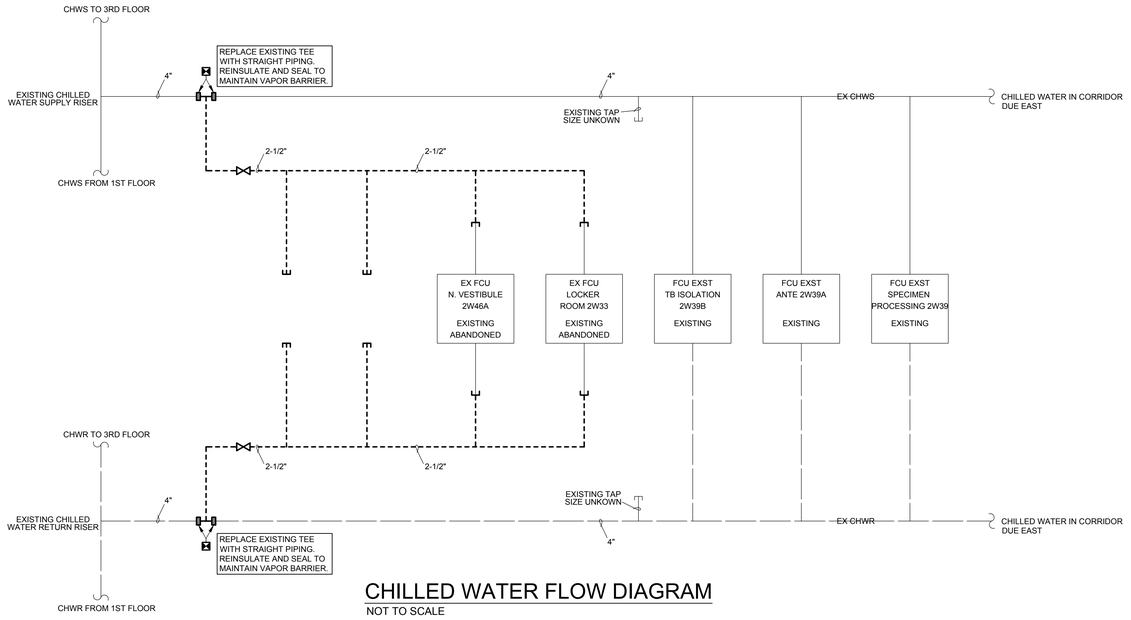
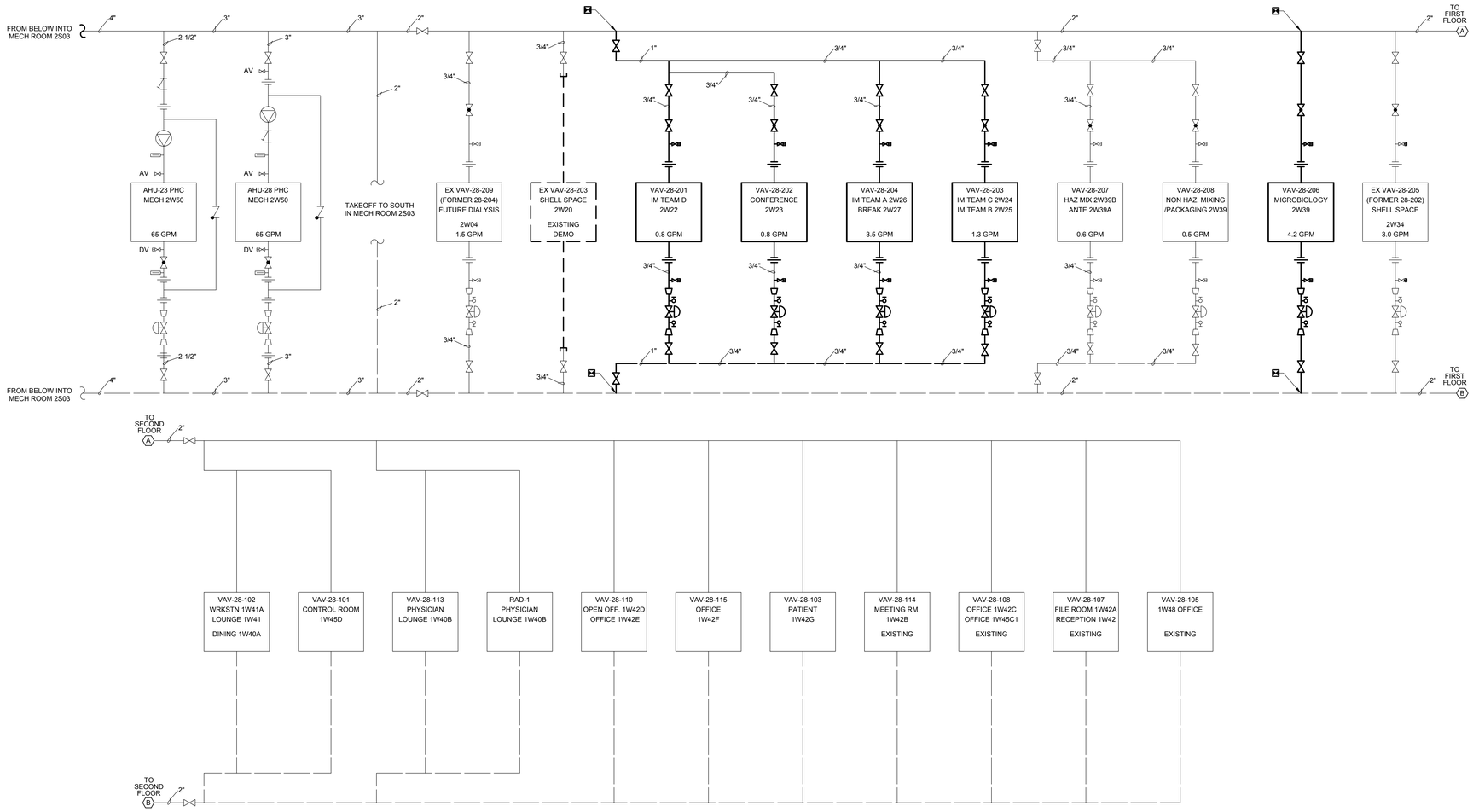


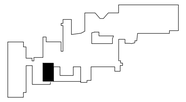
CHILLED WATER FLOW DIAGRAM

NOT TO SCALE



HEATING WATER FLOW DIAGRAM

NOT TO SCALE



KEY PLAN

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M502

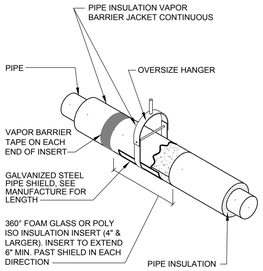
MECHANICAL WATER FLOW DIAGRAM

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

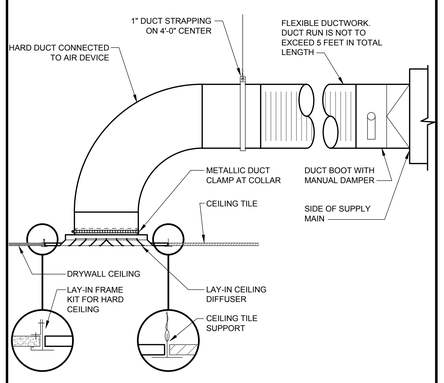
MU Project Number:
CP210701



NOTE: SEE SPECIFICATION FOR APPLICABLE PIPE SIZES AND SERVICES

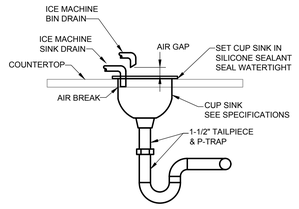
FILE NAME: M-0022A
SCALE: NONE

PIPE HANGER SUPPORT WITH INSERT



FILE NAME: M-0009A
SCALE: NONE

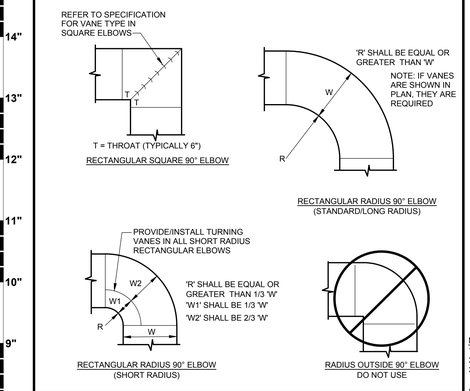
LAY-IN DIFFUSER/GRILLE INSTALLATION



NOTE: COORDINATE CUP SINK LOCATION AT REAR OF COUNTERTOP EQUIPMENT WITH BASE CABINET DRAWER, ETC.

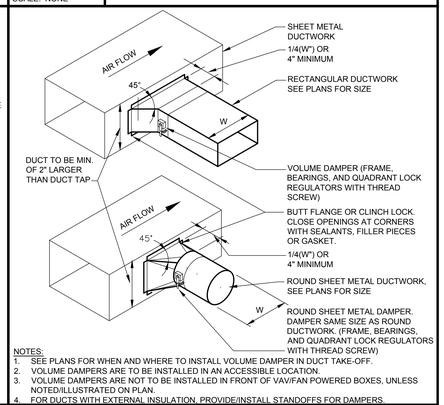
FILE NAME: -
SCALE: NONE

COUNTERTOP ICE MAKER DRAIN DETAIL



FILE NAME: M-0006B
SCALE: NONE

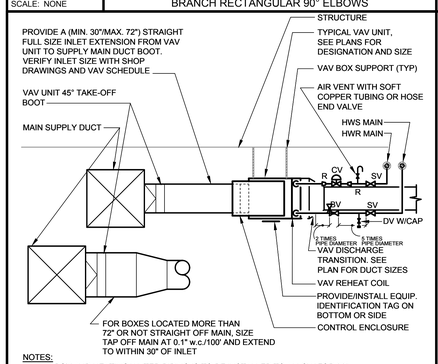
DUCTWORK BRANCH RECTANGULAR 90° ELBOWS



NOTES:
1. SEE PLANS FOR WHEN AND WHERE TO INSTALL VOLUME DAMPER IN DUCT TAKE-OFF.
2. VOLUME DAMPERS ARE TO BE INSTALLED IN AN ACCESSIBLE LOCATION.
3. VOLUME DAMPERS ARE NOT TO BE INSTALLED IN FRONT OF VAV/FAN POWERED BOXES, UNLESS NOTED/ILLUSTRATED ON PLAN.
4. FOR DUCTS WITH EXTERNAL INSULATION, PROVIDE/INSTALL STANDOFFS FOR DAMPERS.

FILE NAME: M-0025A
SCALE: NONE

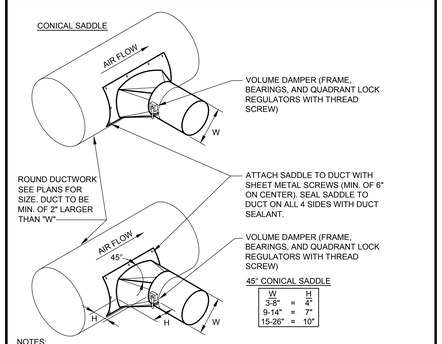
45 DEGREE TAKE-OFF (RECTANGULAR DUCT MAIN)



NOTES:
1. VAV BOX AND HEATING WATER PIPING IS TO BE INSTALLED TO ALLOW FOR 36" CLEARANCE IN FRONT OF CONTROL ENCLOSURE.
2. DROP RUNOUTS FROM HEATING WATER MAINS OFF THE BOTTOM OF THE PIPES.
3. BOTTOM OF BOX IS TO BE INSTALLED WITHIN 24" OF FINISHED CEILING, WHEN POSSIBLE.

FILE NAME: M-0010A
SCALE: NONE

VAV BOX WITH REHEAT COIL (WITH RECTANGULAR SUPPLY MAIN)



45° CONICAL SADDLE

W	H
3-8"	= 4"
9-14"	= 7"
15-26"	= 10"

NOTES:
1. SEE PLANS FOR WHEN AND WHERE TO INSTALL VOLUME DAMPER IN DUCT TAKE-OFF.
2. VOLUME DAMPERS ARE TO BE INSTALLED IN AN ACCESSIBLE LOCATION.
3. VOLUME DAMPERS ARE NOT TO BE INSTALLED IN FRONT OF VAV/FAN POWERED BOXES, UNLESS NOTED/ILLUSTRATED ON PLAN.
4. FOR DUCTS WITH EXTERNAL INSULATION, PROVIDE/INSTALL STANDOFFS FOR DAMPERS.

FILE NAME: M-0025B
SCALE: NONE

SADDLE TAKE-OFF (ROUND DUCT MAIN)

VARIABLE AIR VOLUME UNIT SCHEDULE

UNIT DESIG.	AHU NO.	AREA SERVED	MANUFACTURER & MODEL NO.	INLET SIZE (IN.)	DESIGN FLOW CONDITIONS: COOLING MAX. FLOW (CFM)	HEATING MAX. FLOW (CFM)	VAV MIN. FLOW (CFM)	MAX. APD (IN. W.C.)	MIN. CAPACITY (MBH)	EAT (°F)	LAT (°F)	EWT (°F)	MAX. FLOW (GPM)	MAX. WPD (FT.)	MIN. ROWS	ROOM TEMP. SENSOR TYPE	NOTES
VAV-28-201	28	2W22 IM TEAM D	TITUS DESV	6	300	250	250	0.5	8	55	80	140/180	0.8	5	2	T1	1, 2
VAV-28-202	28	2W23 CONFERENCE	TITUS DESV	6	350	250	250	0.5	8	55	80	140/180	0.8	5	2	T1	1, 2
VAV-28-203	28	2W24 IM TEAM C & 2W25 IM TEAM B	TITUS DESV	10	800	500	500	0.5	14	55	80	140/180	1.3	5	2	T1	1, 2
VAV-28-204	28	2W26 IM TEAM A & 2W27 BREAK	TITUS DESV	10	875	500	500	0.5	14	55	80	140/180	1.3	5	2	T1	1, 2
VAV-28-205	28	SHELL SPACE 2W34	EXISTING	–	2600	2600	2000	–	–	–	–	–	–	–	–	–	4
VAV-28-206	28	MICROBIOLOGY 2W39	TITUS DESV	14	1800	1800	350	0.5	49	55	80	140/180	4.2	5	2	T1	1, 2
VAV-28-209	28	FUTURE DIALYSIS AREA 2W09	EXISTING	–	1200	600	600	–	–	–	–	–	–	–	–	–	4
V2-212	2	2W06 BIO-HAZARD STORAGE & BREAK	EXISTING	–	500	500	500	–	–	–	–	–	–	–	–	–	4
RVAV-28-201	28	IM TEAMS, BREAK	ACCUTROL ACCUVALVE AVT4000	12x18	1625	1050	1050	0.2	–	–	–	–	–	–	–	–	
RVAV-28-202	28	CONFERENCE	ACCUTROL ACCUVALVE AVT4000	8	250	150	150	0.2	–	–	–	–	–	–	–	–	
RVAV-28-205	28	SHELL SPACE 2W34	ACCUTROL ACCUVALVE AVT4000	24x12	2600	2600	2000	0.2	–	–	–	–	–	–	–	–	
RVAV-28-206	28	MICROBIOLOGY 2W39	ACCUTROL ACCUVALVE AVT4000	14	1400	1400	350	0.2	–	–	–	–	–	–	–	–	
RVAV-28-209	28	FUTURE DIALYSIS AREA 2W09	ACCUTROL ACCUVALVE AVT4000	12	1200	600	600	0.2									
RVAV-28-199	28	1ST FLOOR PLENUM RETURN	BUILT-UP – SEE CD/AFMS SCHEDULES	–	3500	N/A	N/A	–	–	–	–	–	–	–	–	–	6

NOTES:
1. SEE SPECIFICATION FOR ROOM TEMPERATURE SENSOR TYPE.
2. MAXIMUM AIR PRESSURE DROP IS FOR THE ENTIRE ASSEMBLY.
3. VAV USED ONLY IF AHU-28 IS OUT OF SERVICE.
4. UPDATE EXISTING BOX NAME AND AIRFLOWS IN BAS. UPDATE BOX TAG TO NEW NAME.
5. INSTALL COMBINATION TEMPERATURE/HUMIDITY SENSOR
6. SHOWN FOR REFERENCE ONLY. BUILT UP RETURN SHALL TRACK EXISTING VAV SETPOINTS.

GENERAL NOTE:
ALL SUPPLY REHEAT COILS SHALL BE DESIGNED TO MEET SCHEDULED LAT WITH 140°F EWT. 180°F SHOWN FOR RESET REFERENCE ONLY.

CONTROL DAMPER SCHEDULE

UNIT DESIGNATION	LOCATION	SERVICE	MANUFACTURER & MODEL NO.	NOMINAL SIZE (W X H) (IN.)	AIRFLOW (CFM)	TYPE	BLADE TYPE	MOUNTING	ACTUATOR: TYPE	ACTUATOR: ACTION	POWER (24V/120V)	NOTES
CD-28-199	AHU-2 RETURN DUCT	1ST FLOOR PLENUM RETURN	GREENHECK VCD-33	36X14	3,500	OPPOSED	AIRFOIL	DUCT	PROPORTIONAL	NONE	24	1,2

NOTES
1. BUILT UP RVAV-28-199
2. NOTE ON BAS "LOCATED ON 2ND FLOOR"

BLADE TYPE
AIRFOIL
NON-AIRFOIL

DAMPER TYPE
PARALLEL
OPPOSED

ACTUATOR TYPE
PROPORTIONAL
TWO-POSITION

ACTION
NO – NORMALLY OPEN
NC – NORMALLY CLOSED
NONE

AIR DEVICE SCHEDULE

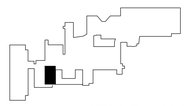
UNIT DESIGNATION	SERVICE	MANUFACTURER & MODEL NO.	TYPE	NECK SIZE (IN.)	CFM RANGE	FACE SIZE (IN.)	THROW	FINISH	NOTES
A	SUPPLY	TITUS TDC	LAY-IN	8"	100-200	24"x24"	4-WAY	WHITE	3
B	SUPPLY	TITUS TDC	LAY-IN	10"	210-400	24"x24"	4-WAY	WHITE	3
C	SUPPLY	TITUS 33RL	SURFACE	16"x12"	0-1100	18"x14"	SEE PLANS	WHITE	
D	RETURN	TITUS PAS	LAY-IN	10"	210-400	24"x24"	–	WHITE	3
E	RETURN	TITUS PAS	LAY-IN	12"	410-500	24"x24"	–	WHITE	3
F	EXHAUST	TITUS PAS	LAY-IN	8"	0-250	24"x24"	–	WHITE	3
G	EXHAUST	TITUS 33RL	SURFACE	6"x6"	0-100	8"x8"	SEE PLANS	WHITE	1
H	TRANSFER	TITUS TDC	LAY-IN	8"	–	24"x24"	–	WHITE	4
J	SUPPLY	TITUS 33RL	SURFACE	12"x12"	0-500	14"x14"	SEE PLANS	WHITE	
K	SUPPLY	TITUS 33RL	SURFACE	36"x12"	0-1300	38"x14"	SEE PLANS	WHITE	

NOTES:
1. DIFFUSER IN E.V.S. 2W32 SHALL BE ALUMINUM
2. PROVIDE BORDER FOR DRYWALL INSTALLATION
3. PROVIDE BORDER FOR LAY-IN INSTALLATION
4. INSTALL ON BOTH SIDES OF WALL FOR TRANSFER OPENING

AIRFLOW MEASURING STATION SCHEDULE

UNIT DESIG.	AHU NO.	AREA SERVED	MANUFACTURER & MODEL NO.	DUCT SIZE (IN x IN)	AIRFLOW	# PROBES	SENSORS PER PROBE	NOTES
AFS-28-199	28	1ST FLOOR RETURN PLENUM	ACCUTROL VTD21-23-36-00 BD	36 x 14	3500	2	3	1,2

NOTES
1. BUILT UP RVAV-28-199
2. NOTE ON BAS "LOCATED ON 2ND FLOOR"



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NO	DESCRIPTION	DATE
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M601

SCHEDULES, DETAILS, AND SEQUENCE OF OPERATIONS

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

***MU* Project Number:**
CP210701

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SUPPLY AIR VARIABLE VOLUME TERMINAL UNIT SEQUENCE OF OPERATION

A. DAMPER OPERATION: THE SUPPLY TERMINAL UNITS SHALL DELIVER AIRFLOW AS REQUIRED BY VARYING DAMPER POSITION TO MEET A FLOW SETPOINT OUTLINED IN THE MECHANICAL SCHEDULE.

B. REHEAT VALVE OPERATION: IF ZONE TEMPERATURE IS BELOW SETPOINT, THE REHEAT COIL VALVE SHALL MODULATE OPEN. THE REVERSE SHALL OCCUR AS ZONE TEMPERATURE INCREASES ABOVE SETPOINT.

C. ZONE TEMPERATURE CONTROL: EACH INDIVIDUAL ZONE SHALL HAVE A BASE TEMPERATURE SETPOINT OF 72°F (USER ADJUSTABLE), UNLESS OTHERWISE SPECIFIED. FOR ZONE DETERMINED TO HAVE ADJUSTABLE CONTROL, AN OCCUPANT-CONTROLLED PUSH BUTTON SHALL ADJUST THE BASE TEMPERATURE SETPOINT BY NO MORE THAN ±3°F.

D. ZONE HUMIDITY SAFETY: ANY SPACE WITH A ZONE HUMIDITY SENSOR SHALL BE PROGRAMMED WITH A SAFETY WHICH PREVENTS THE SPACE FROM GOING ABOVE 60% RH. IF THE SPACE RELATIVE HUMIDITY RISES ABOVE 58%, THE SPACE TEMPERATURE SETPOINT SHALL BE INCREMENTALLY RESET UP TO 75°F IN ORDER TO PREVENT THE HUMIDITY FROM GOING TOO HIGH. AN ALARM SHALL BE TRIGGERED IN THIS EVENT TO THE BAS WORKSTATION. THE ALARM WILL REQUIRE AN OPERATOR OVERRIDE TO CLEAR AND ALLOW THE SPACE TO CONTROL TO USER-SELECTED SETPOINT.

RETURN AIR VARIABLE VOLUME TERMINAL UNIT (TRACKING) SEQUENCE OF OPERATION

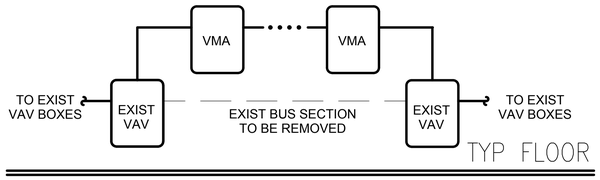
A. DAMPER OPERATION: THE RETURN TERMINAL UNITS SHALL RETURN AIRFLOW AS REQUIRED MATCH THE ACTUAL SUPPLY AIRFLOW OF THE TERMINAL UNITS THAT THEY ARE TRACKING (AS SHOWN ON THE FLOW DIAGRAM). EXHAUST OR OTHER NON-RETURNED AIRFLOW SHALL BE OFFSET TO THE CALCULATION TO MAINTAIN THE PRESSURIZATION REQUIREMENTS OF THE ZONES. THE UNITS SHALL TRACK AS FOLLOWS:

RVAV-28-201 = VAV-28-201 + VAV-28-203 + VAV-28-204 - 300
RVAV-28-202 = VAV-28-202 - 100
RVAV-28-205 = VAV-28-205
RVAV-28-206 = VAV-28-206 – 400 CFM
RVAV-28-209 = VAV-28-209

AIRFLOW STATION UNIT (TRACKING) SEQUENCE OF OPERATION

B. DAMPER OPERATION: THE AIRFLOW STATION SHALL MONITOR RETURN AIRFLOW AND CONTROL THE ASSOCIATED DAMPER REQUIRED TO MATCH THE ACTUAL SUPPLY AIRFLOW OF THE TERMINAL UNITS THAT THEY ARE TRACKING (AS SHOWN ON THE FLOW DIAGRAM). EXHAUST OR OTHER NON-RETURNED AIRFLOW SHALL BE OFFSET TO THE CALCULATION TO MAINTAIN THE PRESSURIZATION REQUIREMENTS OF THE ZONES. THE UNITS SHALL TRACK AS FOLLOWS:

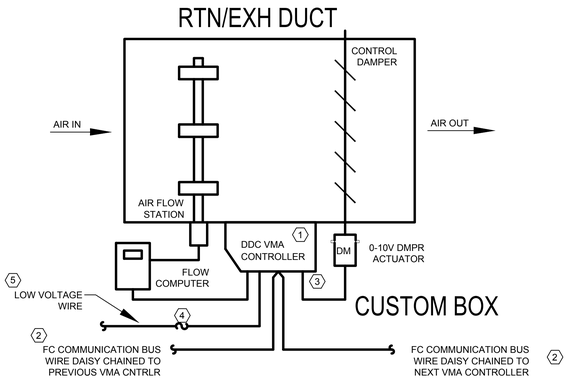
CD-28-1 = VAV-28-101 + VAV-28-103 + VAV-28-105 + VAV-28-107 + VAV-28-108 + VAV-28-110 + VAV-28-113 + VAV-28-114 + VAV-28-115 – 1675 CFM



NOTES:

1. FC BUS TO BE CONTINUOUS DAISY CHAIN WITHOUT SPLICES. CONECTIONS CAN ONLY BE MADE AT CONTROLLERS. SEE PLANS FOR QUANTITY AND LOCATIONS OF VMA CONTROLLERS.
2. BREAK BUS BETWEEN TWO EXISTING CONNECTED VAV CONTROLLERS AND REROUTE AS SHOWN. BUS CAN BE REROUTED IN MULTIPLE LOCATIONS TO KEEP OVERALL BUS LENGTH SHORT. COORDINATE FC BUS ROUTING AND OUTAGES WITH OWNERS REP.
3. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 22-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY WINDY CITY WIRE, CONSTRUCTED BY CABLE-TEK, OR APPROVED EQUIVALENT.

B FC BUS SCHEMATIC DIAGRAM
NO SCALE



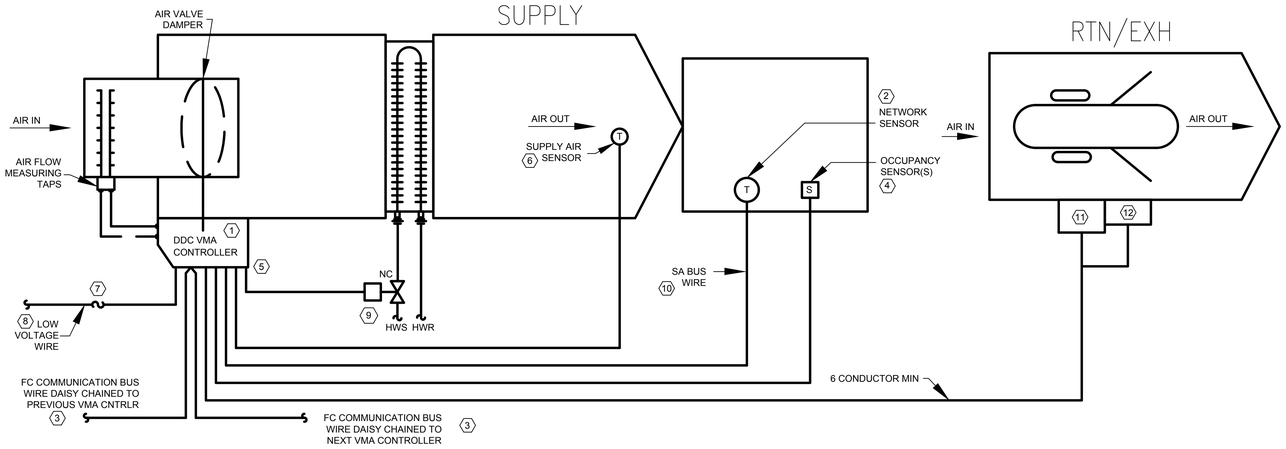
D CUSTOM BUILT-UP VAV (AFMS/CD)
NO SCALE

NOTES:

1. VMA TERMINAL INCLUDES CONSTANT VOLUME (CV) UNITS & VARIABLE AIR VOLUME (VAV) UNITS. UNLESS OTHERWISE NOTED, ALL CONTROL WORK SHALL BE BY CONTRACTOR.
2. CAPS FOR VAV DP TEST PORTS MUST BE 1/4" BRASS PLUGS.

KEYED NOTES:

1. CONTROLLER WILL BE FURNISHED BY OWNER. CONTROLLER WILL BE JCI MODEL MS-VMA-16XX SERIES. PROGRAMMING WILL BE DONE BY OWNER.
2. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 22-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY WINDY CITY WIRE CONSTRUCTED BY CABLE-TEK, OR APPROVED EQUIVALENT.
3. CONTROLLER MUST HAVE A MINIMUM OF 18 INCHES OF ACCESSIBLE CLEARANCE.
4. FUSE LOCATED WITHIN 2 FEET OF VMA CONTROLLER.
5. LOW VOLTAGE WIRE BY DIVISION 23. SEE ELECTRICAL DRAWINGS FOR SOURCE.



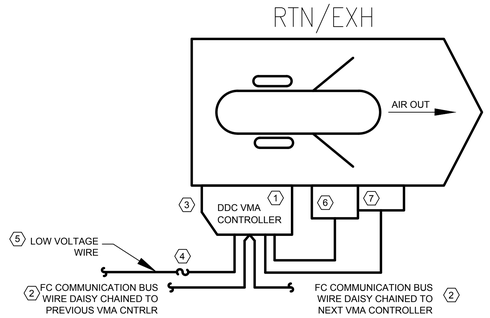
C VAV BOX CONTROL DIAGRAM WITH REHEAT AND EXHAUST
NO SCALE

NOTES:

1. VMA TERMINAL INCLUDES CONSTANT VOLUME (CV) UNITS & VARIABLE AIR VOLUME (VAV) UNITS. UNLESS OTHERWISE NOTED, ALL CONTROL WORK SHALL BE BY CONTRACTOR.
2. CAPS FOR VAV DP TEST PORTS MUST BE 1/4" BRASS PLUGS.

KEYED NOTES:

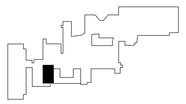
1. CONTROLLER WILL BE FURNISHED BY OWNER. CONTROLLER WILL BE JCI MODEL MS-VMA-16XX SERIES. PROGRAMMING WILL BE DONE BY OWNER.
2. NETWORK SENSOR WILL BE FURNISHED BY OWNER & INSTALLED BY CONTRACTOR. NETWORK SENSOR WILL BE JCI NS SERIES.
3. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 22-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY WINDY CITY WIRE CONSTRUCTED BY CABLE-TEK, OR APPROVED EQUIVALENT.
4. INSTALLATION OF OCC SENSOR IS WORK OF DIVISION 26, SEE E-SERIES SHEETS FOR FINAL LOCATIONS. A CONTROL CIRCUIT SHALL BE CONNECTED TO ALL OCC SENSORS AS WORK OF DIVISION 23. A CONTROL SIGNAL SHALL BE RELAYED TO THE VAV TERMINAL UNIT THAT SERVES THAT SPACE. IN LOCATIONS WHERE MULTIPLE OCC SENSORS ARE PRESENT, ALL SENSORS SHALL BE MONITORED AND TRANSMIT A SIGNAL TO THE VAV TERMINAL UNIT WITHIN THAT SPACE. ALL SENSORS SHALL BE WIRED IN PARALLEL.
5. CONTROLLER MUST HAVE A MINIMUM OF 18 INCHES OF ACCESSIBLE CLEARANCE.
6. VAV SUPPLY TEMP SENSOR 1000 OHM PLATINUM RTD LOCATED APPROX. 8 FT. FROM VAV BOX DISCHARGE. PROVIDED, INSTALLED, & WIRED TO CONTROLLER BY CONTRACTOR.
7. FUSE LOCATED WITHIN 2 FEET OF VMA CONTROLLER.
8. LOW VOLTAGE WIRE BY DIVISION 23. SEE ELECTRICAL DRAWINGS FOR SOURCE.
9. VALVE WITH PROPORTIONAL 0-10 VOLT ACTUATOR OR EQUIVALENT.
10. SA BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 4 CONDUCTOR.
11. FACTORY SUPPLIED ELECTRIC ACTUATOR. CONNECT DIRECTLY TO VMA CONTROLLER.
12. FACTORY SUPPLIED FLOW CONTROLLER. CONNECT FLOW AO TO VMA CONTROLLER



A RTN/EXH VALVE CONTROL DIAGRAM
NO SCALE

KEYED NOTES:

1. CONTROLLER WILL BE FURNISHED BY OWNER. CONTROLLER WILL BE JCI MODEL MS-VMA-16XX SERIES. PROGRAMMING WILL BE DONE BY OWNER.
2. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 22-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY WINDY CITY WIRE CONSTRUCTED BY CABLE-TEK, OR APPROVED EQUIVALENT.
3. CONTROLLER MUST HAVE A MINIMUM OF 18 INCHES OF ACCESSIBLE CLEARANCE.
4. FUSE LOCATED WITHIN 2 FEET OF VMA CONTROLLER.
5. LOW VOLTAGE WIRE BY DIVISION 23. SEE ELECTRICAL DRAWINGS FOR SOURCE.
6. FACTORY SUPPLIED ELECTRIC ACTUATOR. CONNECT DIRECTLY TO VMA CONTROLLER.
7. FACTORY SUPPLIED FLOW CONTROLLER. CONNECT FLOW AO TO VMA CONTROLLER



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M602

CONTROLS DETAILS

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

MU Project Number: CP210701

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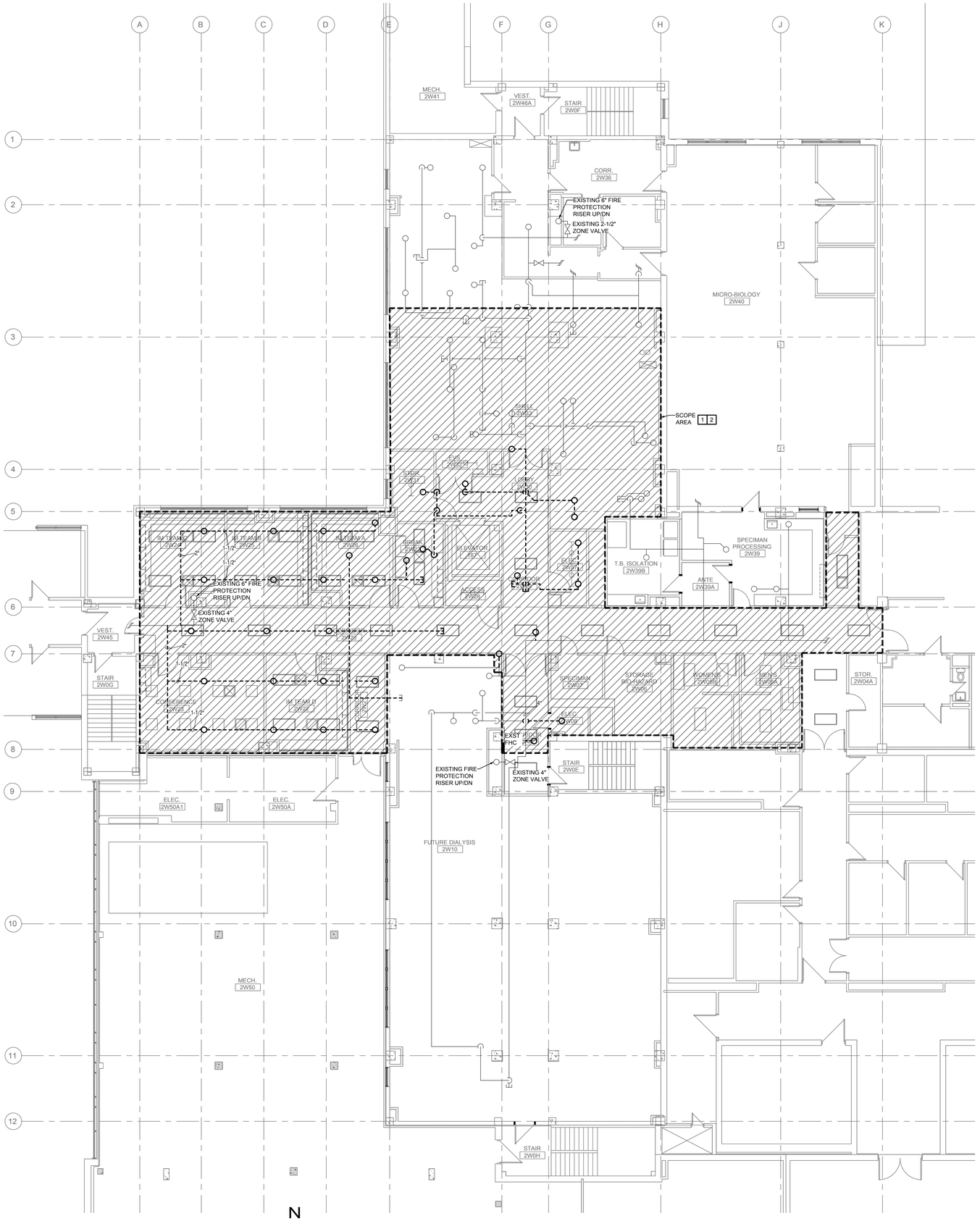


NFPA 13 OCCUPANCY CLASSIFICATION

LIGHT HAZARD

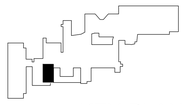
FIRE PROTECTION GENERAL NOTES

1. EXISTING FIRE PROTECTION PIPING SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS.

KEYED NOTES

1 DEMOLISH EXISTING SPRINKLER HEADS AND BRANCH PIPING WITHIN SCOPE AREA. PROVIDE NEW BRANCH PIPING AND SPRINKLER HEAD LAYOUT CORRESPONDING TO NEW CEILING PLAN. REFER TO ARCHITECTURAL DRAWINGS FOR NEW CEILING PLAN. COORDINATE NEW PIPING LAYOUT WITH NEW HVAC AND OTHER TRADES WITHIN SCOPE AREA.

2 PROVIDE TEMPORARY FIRE PROTECTION FOR ALL AREAS THAT ARE AFFECTED BY DEMOLITION FOR ZONE WORK. PROVIDE AND INSTALL PERIMETER CPVC PIPING FOR AFFECTED AREAS.



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SECOND FLOOR FIRE PROTECTION PLAN

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
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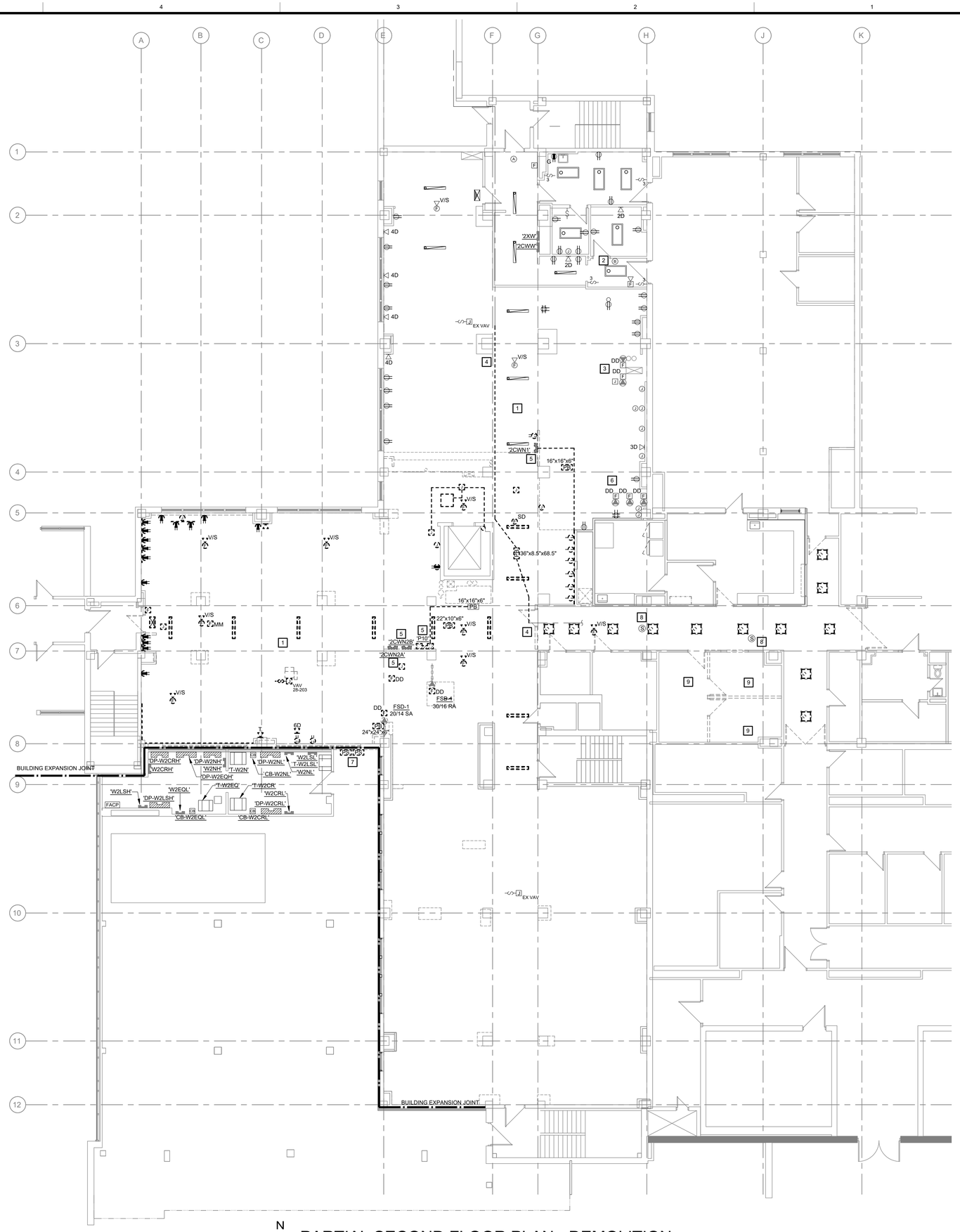
MU Project Number:
CP210701



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PARTIAL SECOND FLOOR PLAN - DEMOLITION

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

0 2' 4' 8' 16'
1/8"=1'

GENERAL DEMOLITION NOTES:

1. ALL SYMBOLS SHOWN DASHED ARE EXISTING ELECTRICAL DEVICES TO BE REMOVED OR AS NOTED. ALL SYMBOLS SHOWN SOLID LIGHT LINE ARE EXISTING ELECTRICAL DEVICES TO REMAIN. EXISTING ELECTRICAL DEVICES WHICH ARE TO REMAIN SHALL BE EXTENDED TO BE FLUSH WITH NEW FINISH ON EXISTING WALLS WHERE REQUIRED.

2. ALL EXISTING ELECTRICAL DEVICES IN A WALL THAT IS TO BE REMOVED, ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER, CUT OFF CONDUCTORS AND CAP CONDUIT IN FLOOR OR CEILING AS REQUIRED. DEVICES ARE TO BE REMOVED ALONG WITH WALL BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.

3. ALL EXISTING ELECTRICAL DEVICES TO BE REMOVED FROM WALLS WHICH ARE TO REMAIN; ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER, REMOVE CONDUCTORS, REMOVE DEVICE AND PROVIDE BLANK COVERPLATES AS REQUIRED. UNLESS OTHERWISE NOTED.

4. FOR A PORTION OF A CIRCUIT WHICH IS REMOVED OR ABANDONED, RE-ESTABLISH CIRCUIT CONTINUITY FOR THE PORTION OF THE CIRCUIT WHICH IS TO REMAIN.

5. ALL EXISTING CONDUITS, RACEWAYS AND WIRING ROUTED IN EXISTING WALLS AND CEILING SPACES (WHICH ARE TO BE DEMOLISHED) WHICH SERVE OTHER AREAS SHALL BE REROUTED AS REQUIRED.

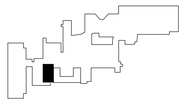
6. ALL EXISTING LIGHTING FIXTURES THAT ARE TO BE REINSTALLED SHALL BE REPAIRED, (AS REQUIRED) CLEANED AND RELAMPED BEFORE REINSTALLATION.

7. ALL EXISTING LIGHTING FIXTURES THAT ARE NOTED TO BE REINSTALLED WHICH ARE NOT REINSTALLED SHALL BE RETURNED TO THE OWNER.

8. PROVIDE AND INSTALL SUPPORTS FOR EXISTING CABLES AND CONDUITS ABOVE CEILING THAT ARE CURRENTLY UNSUPPORTED IN ALL AREAS WHERE CEILING IS BEING REMOVED.

KEYED NOTES

1. DISCONNECT AND REMOVE ALL CLOTH WIRE, ABANDONED AND OR EMPTY CONDUITS AND JUNCTION BOXES IN THIS AREA.
2. EXISTING FLAMMABLE ALARM BEACON TO REMAIN.
3. EXISTING FIRE ALARM DUCT DETECTORS ONE AT CEILING AND ONE AT FLOOR AND 120 VOLT BRANCH CIRCUIT TO REMAIN.
4. EXISTING 3" CONDUIT SHALL BE INTERCEPTED AND BE RE-ROUTED, EXISTING CONDUIT SHALL REMAIN AS INDICATED.
5. DISCONNECT AND REMOVE EXISTING PANEL, CONDUIT AND CONDUCTORS BACK TO SOURCE. COORDINATE WITH OWNER TO TRACE AND IDENTIFY EXISTING EXISTING ENERGIZED BRANCH CIRCUITS, EXISTING BRANCH CIRCUITS THAT ARE DETERMINED TO NEED TO BE RE-CIRCUITED WILL BE HANDLED BY CHANGE ORDER AFTER IDENTIFICATION.
6. EXISTING SMOKE DAMPER FIRE ALARM DEVICE, DEVICE AND POWER TO REMAIN.
7. DISCONNECT,REMOVE AND RELOCATE EXISTING 'VAV' POWER SUPPLY.
8. EXISTING SPEAKER IS TO BE TEMPORARILY SUPPORTED DURING DEMOLITION, SPEAKER TO BE RELOCATED IN NEW CEILING.
9. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN THIS AREA, VERIFY EXISTING CONDITIONS AT JOB SITE.



KEY PLAN

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NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

ED201

PARTIAL SECOND FLOOR PLAN - DEMOLITION

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

ELECTRICAL SYMBOLS

LIGHTING FIXTURES

NOTE:
EMERGENCY FIXTURE DESIGNATIONS:

- STRIP FIXTURE
- 1'x4' WALL MOUNTED
- 1'x4' SURFACE MOUNTED
- 1'x4' RECESS MOUNTED
- 2'x2' SURFACE MOUNTED
- 2'x2' RECESSED MOUNTED
- 2'x4' SURFACE MOUNTED
- 2'x4' RECESSED MOUNTED
- WALL MOUNTED LIGHT FIXTURE
- DOWN LIGHT SURFACE MOUNTED
- DOWN LIGHT RECESSED MOUNTED
- WALL WASH DOWN LIGHT RECESSED MOUNTED
- EXIT SIGN DOUBLE FACE CEILING MOUNTED
- EXIT SIGN SINGLE FACE WALL MOUNTED (BACK)
- EXIT SIGN SINGLE FACE WALL MOUNTED (END)

EXIT SIGN NOTE:
SHADING INDICATES FACE
SEE FLOOR PLANS FOR ARROW DIRECTIONS

- BATTERY PACK LIGHTING FIXTURE

MISCELLANEOUS CONTROL DEVICES

- PUSH-BUTTON/PUSH PAD RECESSED WALL MOUNTED +48" AFF
- MUSHROOM HEAD/EMERGENCY PUSH BUTTON RECESSED WALL MOUNTED +48" AFF

MISCELLANEOUS COMMUNICATION DEVICES

- SPEAKER RECESSED CEILING MOUNTED
- SPEAKER SURFACE CEILING MOUNTED
- TWO WAY SPEAKER ENCLOSURE MOUNT WITH MANUFACTURE'S WIDER HORIZONTAL BEAM WIDTH INDICATED BY SYMBOL ORIENTATION UNLESS OTHERWISE INDICATED ON DRAWINGS
- SPEAKER WALL MOUNTED +90" AFF
- INTERCOM SPEAKER CEILING MOUNTED
- INTERCOM SPEAKER WALL MOUNTED +90" AFF
- SPEAKER VOLUME CONTROL RECESSED WALL MOUNTED +54" AFF
- PROGRAM BELL WALL MOUNTED +90"AFF
- CLOCK WALL MOUNTED +90"AFF
- CLOCK OUTLET WALL MOUNTED +90"AFF
- DOOR OPERATOR
- POWER POLE WITH RECEPTACLE AND DATA OUTLET AS INDICATED ON FLOOR PLAN

SWITCHES

- WALL SWITCH +48" AFF

LIGHTING CONTROL SUBSCRIPT TAGS

BLANK	SINGLE POLE TOGGLE SWITCH
3	3-WAY TOGGLE SWITCH
4	4-WAY TOGGLE SWITCH
CP	ROOM CONTROL PANEL
D	DIMMER SWITCH
3D	3-WAY DIMMER SWITCH
DT	DIGITAL TIMER
K	KEY OPERATED TOGGLE SWITCH
LV	LOW VOLTAGE MOMENTARY SWITCH
LVD	LOW VOLTAGE WITH DIMMING
OS	OCCUPANCY SENSOR
OSD	OCCUPANCY SENSOR WITH DIMMING
PL	PILOT LIGHTED TOGGLE SWITCH
R	SINGLE POLE DOUBLE THROW CENTER OFF MOMENTARY SWITCH
SC	SHADE CONTROLLER
T	MANUAL TIMER SWITCH
VS	VACANCY SENSOR
VSD	VACANCY SENSOR WITH DIMMER
CS#	DIGITAL LIGHTING CONTROL STATION # = NUMBER OF BUTTONS UP TO 8

- OCCUPANCY SENSOR CEILING MOUNTED PIR - PASSIVE INFRARED
- DAY LIGHT SENSOR CEILING MOUNTED
- PHOTOCELL
- LTS1 — LIGHTING TRANSFER SWITCH FOR SINGLE FIXTURE ACCESSIBLE CEILING SPACE
- LTS2 — LIGHTING TRANSFER SWITCH FOR MULTI FIXTURE MOUNTED IN ACCESSIBLE CEILING SPACE
- LC — LIGHTING CONTACTOR
- LC1 — 1 ZONE 0-10V LIGHTING CONTROLLER
- LC2 — 2 ZONE 0-10V LIGHTING CONTROLLER
- LC3 — 3 ZONE 0-10V LIGHTING CONTROLLER
- LC4 — 1 ZONE FORWARD PHASE LIGHTING CONTROLLER
- LC5 — 2 ZONE FORWARD PHASE LIGHTING CONTROLLER
- LC6 — 1 ZONE REVERSE PHASE LIGHTING CONTROLLER
- LC7 — 1 ZONE ON/OFF LIGHTING CONTROLLER
- LC8 — 2 ZONE ON/OFF LIGHTING CONTROLLER
- PL — PLUG LOAD LIGHTING CONTROLLER
- TC — TIME CLOCK

SECURITY

- CAMERA CEILING MOUNTED
- CAMERA WALL MOUNTED
- CR — CARD READER
- DC — DOOR CONTACT/DOOR POSITION
- DE — DELAY EGRESS
- EA — EXIT ALARM
- EE — ELECTRIC EXIT
- EL — ELECTRIC LATCH
- ELR — ELECTRIC LATCH RETRACTION
- ER — EXIT REQUEST
- ES — ELECTRIC STRIKE
- GB — GLASS BREAK
- KP — NUMERIC KEYPAD
- KS — KEY SWITCH
- MD — MOTION DETECTOR MOUNTED +7'-6" AFF
- ML — MAGNETIC LOCK
- PANIC BUTTON
- PS — DOOR POWER SUPPLY
- PT — POWER TRANSFER
- SVM — SECURITY VIDEO MONITOR

COMMUNICATION DEVICES

- 'COMMUNICATIONS' OUTLET, RECESSED WALL MOUNTED +18" AFF, 'UNO' ON FLOOR PLANS SEE FLOOR PLANS FOR DEVICE TYPE AND NUMBER
- 'COMMUNICATIONS' OUTLET, RECESSED WALL MOUNTED +44" AFF (ABOVE COUNTER), 'UNO' ON FLOOR PLANS SEE FLOOR PLANS FOR DEVICE TYPE AND NUMBER
- 'COMMUNICATIONS' OUTLET, RECESSED FLOOR MOUNTED SEE FLOOR PLANS FOR DEVICE TYPE AND NUMBER
- 'COMMUNICATIONS, RECESSED IN CEILING SEE FLOOR PLANS FOR DEVICE TYPE AND NUMBER

COMMUNICATION DEVICE TYPE

* =	D	DATA
	I	INTERCOM
	ICS	INTERCOM CALL-IN STATION
	M	MICROPHONE
	P	PRINTER
	T	TELEPHONE
	TV	TELEVISION / MONITOR
	WAP	WIRELESS ACCESS POINT

NOTE:
FUTURE WIRELESS ACCESS POINT (WAP) PROVIDE 15'-0" SERVICE LOOP AT OUTLET, SERVICE LOOP SHALL BE COILED IN ACCESSIBLE CEILING SPACE.
WHEN OUTLET IS LOCATED IN AREAS THAT ARE OPEN TO STRUCTURE, OUTLET SHALL BE MOUNTED TO STRUCTURE PROVIDE 15'-0" SERVICE LOOP AT OUTLET, SERVICE LOOP SHALL BE COILED AND TIED TO STRUCTURE

RECEPTACLES

- SINGLE CONVENIENCE OUTLET, RECESSED WALL MOUNTED +18" AFF, 'UNO' ON FLOOR PLANS
- DUPLEX CONVENIENCE OUTLET, RECESSED WALL MOUNTED +18" AFF, 'UNO' ON FLOOR PLANS
- DUPLEX CONVENIENCE OUTLET, RECESSED WALL MOUNTED ABOVE COUNTER +44" AFF 'UNO' ON FLOOR PLANS
- DOUBLE DUPLEX CONVENIENCE OUTLET, RECESSED WALL MOUNTED +18" AFF, 'UNO' ON FLOOR PLANS
- DOUBLE DUPLEX CONVENIENCE OUTLET, RECESSED WALL MOUNTED ABOVE COUNTER +44" AFF, 'UNO' ON FLOOR PLANS
- CEILING MOUNTED
- SPECIAL PURPOSE OUTLET, RECESSED WALL MOUNTED +18", 'UNO' ON FLOOR PLANS SEE FLOOR PLANS FOR SIZE — NEMA X-X
- DUPLEX RECEPTACLE, RECESSED FLOOR MOUNTED
- DOUBLE DUPLEX RECEPTACLE, RECESSED FLOOR MOUNTED
- DEAD FRONT / FACELESS 'GFCI' DEVICE RECESSED WALL MOUNTED +48" AFF WITH ENGRAVED COVERPLATE AS NOTED ON FLOOR PLAN
- FB? — RECESSED FLOOR BOX
  ? = FLOOR BOX TYPE ('A', ETC) SEE FLOOR BOX SCHEDULE
- 4"x4"x2" JUNCTION BOX WITH FINISHED BLANK COVER RECESSED WALL MOUNTED +18" AFF 'UNO' ON FLOOR PLANS
- 4"x4"x2" JUNCTION BOX WITH FINISHED BLANK COVER MOUNTED ABOVE ACCESSIBLE CEILING UNO
- PB — PULL BOX WITH FINISHED BLANK COVER MOUNTING AND SIZE AS NOTED ON FLOOR PLAN

RECEPTACLE SUB SCRIPT

HG	HOSPITAL GRADE
TR	TAMPER RESISTANCE
IG	ISOLATED GROUND
G	GROUND FAULT CIRCUIT INTERRUPTER
WR	WEATHER RESISTANCE
WP	WEATHERPROOF COVER
WPI	WEATHERPROOF IN-USE COVER
U	USB PORT

POWER EQUIPMENT

- LIGHTING PANELBOARD
- DISTRIBUTION PANEL
- MOTOR CONTROL CENTER
- SWITCHBOARD
- TRANSFORMER, SEE PLAN FOR TYPE AND SIZE
- WEATHER HEAD
- ATS — AUTOMATIC TRANSFER SWITCH
- FCP — FACTORY WIRED CONTROL PANEL
- VFD — VARIABLE FREQUENCY DRIVE
- MPL — SINGLE PHASE MANUAL MOTOR STARTER WITH PILOT LIGHT
- RIR — RELAY IN BOX
- DISCONNECT SWITCH
- MAGNETIC STARTER 1 PHASE
- MAGNETIC STARTER 3 PHASE
- COMBINATION MAGNETIC STARTER/ DISCONNECT SWITCH 1 PHASE
- COMBINATION MAGNETIC STARTER/ DISCONNECT SWITCH 3 PHASE
- LINE VOLTAGE THERMOSTAT
- VAV — VAV JUNCTION BOX WITH TOGGLE SWITCH — VAV X-X

MOTORS

- 208V, 3 PHASE MOTOR
- 480V, 3 PHASE MOTOR
- 120V, 1 PHASE MOTOR
- 208V, 1 PHASE MOTOR
- DC MOTOR

MOUNTING HEIGHTS

ALL MOUNTING HEIGHTS ARE AS GIVEN UNLESS OTHERWISE NOTED ON PLANS
ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE/ LIGHT FIXTURE, UNLESS OTHERWISE NOTED

FIRE ALARM

- PS — PULL STATION WALL MOUNTED +48" AFF (C = INDICATES ALARM COVER)
- AB — ALARM BELL WALL MOUNTED +80" AFF TO BOTTOM
- AS — ALARM SPEAKER HORN WALL MOUNTED +80" AFF TO BOTTOM
- AH — ALARM HORN WALL MOUNTED +80" AFF TO BOTTOM
- FH — FIRE ALARM HORN CEILING MOUNTED
- V##/S — COMBINATION ALARM SPEAKER AND VISUAL DEVICE ## INTENSITY OF STROBE (15/75 UNLESS OTHERWISE SPECIFIED) CEILING MOUNTED
- V## — COMBINATION ALARM HORN AND VISUAL DEVICE ## INTENSITY OF STROBE (15/75 UNLESS OTHERWISE SPECIFIED) WALL MOUNTED +80" AFF TO BOTTOM
- V##/S — COMBINATION ALARM SPEAKER AND VISUAL DEVICE ## INTENSITY OF STROBE (15/75 UNLESS OTHERWISE SPECIFIED) WALL MOUNTED +80" AFF TO BOTTOM
- V## — VISUAL DEVICE ## INTENSITY OF STROBE (15/75 UNLESS OTHERWISE SPECIFIED) CEILING MOUNTED
- V## — VISUAL DEVICE ## INTENSITY OF STROBE (15/75 UNLESS OTHERWISE SPECIFIED) WALL MOUNTED +80" AFF TO BOTTOM
- AS — ALARM SPEAKER CEILING MOUNTED
- FP — FIREMANS PHONE
- FR — FIRE ALARM RELAY
- CD — CARBON MONOXIDE DETECTOR
- DH — MAGNETIC DOOR HOLD-OPEN
- DHS — MAGNETIC DOOR HOLD-OPEN WITH BUILT IN SMOKE DETECTOR
- H — HEAT DETECTOR FIXED TEMPERATURE
- HD — HEAT DETECTOR RATE OF RISE
- WF — WATER FLOW SWITCH
- TS — TAMPER SWITCH
- SD — SMOKE DETECTOR CEILING MOUNTED
- SD — SMOKE DETECTOR OTHER THAN CEILING MOUNTED
- SDR — SMOKE DETECTOR WITH RELAY BASE CEILING MOUNTED
- SDR — SMOKE DETECTOR WITH RELAY BASE CEILING MOUNTED OTHER THAN CEILING MOUNTED
- SDSB — SMOKE DETECTOR WITH SOUNDER BASE CEILING MOUNTED
- SDSB — SMOKE DETECTOR WITH SOUNDER BASE OTHER THAN CEILING MOUNTED
- DD — SMOKE DETECTOR DUCT MOUNTED
- DDR — SMOKE DETECTOR DUCT MOUNTED WITH RELAY BASE
- RTS — REMOTE TEST SWITCH CEILING MOUNTED
- RTS — REMOTE TEST SWITCH OTHER THAN CEILING MOUNTED
- MSD — MOTORIZED SMOKE DAMPER
- CM — FIRE ALARM CONTROL MODULE
- MM — FIRE ALARM MONITOR MODULE
- DCM — FIRE ALARM DUAL MONITOR MODULE
- PIV — POST INDICATOR VALVE
- PSR — POWER SUPERVISION RELAY
- FACP — FIRE ALARM CONTROL PANEL
- FAAN — FIRE ALARM ANNUNCIATOR
- FASE — FIRE ALARM SIGNAL EXTENDER
- END OF LINE RESISTER

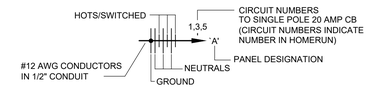
ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
ARC	ALUMINUM RIGID CONDUIT
AUX	AUXILIARY
BOF	BOTTOM OF FIXTURE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COF	CENTER OF FIXTURE
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
GRC	GALVANIZED RIGID CONDUIT
G	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
IMC	INTERMEDIATE METAL CONDUIT
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
NC	NORMALLY CLOSED
NF	NON FUSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PVC	PVC CONDUIT
TOF	TOP OF FIXTURE
U	USB PORT
UCR	UNDER CABINET REFRIGERATOR
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF COVER
WPI	WEATHERPROOF IN-USE COVER

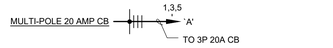
WIRING SYMBOLS

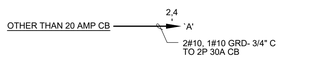
- CONDUIT DOWN
- CONDUIT UP
- CONDUIT CAPPED
- EXISTING
- DEMOLITION WORK
- NEW WORK
- CONDUIT CONCEALED IN SLAB OR IN ACCESSIBLE SPACE BELOW
- CONDUIT EXPOSED
- CONDUIT CONCEALED IN WALL OR ABOVE CEILING
- WIREWAY / WIREMOLD
- WIREMOLD WITH DUPLEX RECEPTACLE (DUPLEX RECEPTACLE SYMBOL INDICATES MOUNTING HEIGHT, +18" AFF SHOWN) 'UNO' ON FLOOR PLANS
- DIVIDED WIREMOLD WITH DATA/TELEPHONE (TOP CELL) AND DUPLEX RECEPTACLE (BOTTOM CELL) OUTLETS AS INDICATED (DEVICE SYMBOLS INDICATES MOUNTING HEIGHT, +44" AFF SHOWN) 'UNO' ON FLOOR PLANS
- PLUGMOLD WITH SINGLE RECEPTACLE
- VERTICAL WIREWAY
- CABLE TRAY
- CONDUIT SLEEVE (SIZED TO 40% FILL, 2" MINIMUM) UNLESS NOTED OTHERWISE

BRANCH CIRCUITNG LEGEND



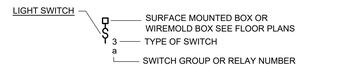
NOTE:
HASH MARKS INDICATE #12 AWG CONDUCTORS ONLY SEE FLOOR PLANS FOR OTHER FEEDER CONDUCTORS AND CONDUIT SIZES

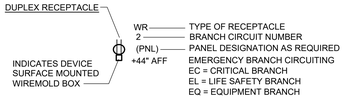


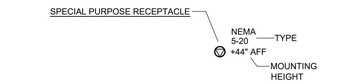


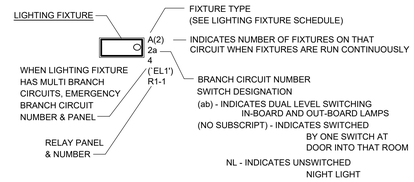
20A BRANCH CIRCUIT HOMERUNS SHALL BE SIZED AS FOLLOWS:
120V: 0-100 FEET SHALL BE #12AWG WIRE MINIMUM
101-200 FEET SHALL BE #10AWG WIRE MINIMUM
IN EXCESS OF 200 FEET SHALL BE #8AWG WIRE MINIMUM

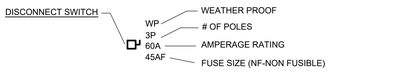
277V: 0-250 FEET SHALL BE #12AWG WIRE MINIMUM
IN EXCESS OF 250 FEET SHALL BE #10AWG WIRE MINIMUM
INDICATES SWITCH IN

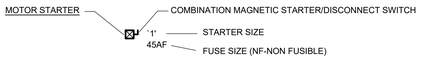


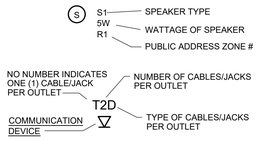












ELECTRICAL SYSTEMS COMPONENTS EARTHQUAKE LOAD RESISTANCE

SEISMIC USE GROUP (IV) — SEISMIC DESIGN CATEGORY (C)

LISTING OF EQUIPMENT & SYSTEMS COMPONENTS	COMPONENTS IMPORTANCE FACTOR	ANCHORAGE TO FLOORS, ROOFS, ETC		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAIL			COMMENTS
						ON CONSTRUCTION DOCUMENTS	SUBSEQUENT SUBMITTAL		
		NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	DRAWING NUMBER OR SPECIFICATION SECTION	SHOP DRAWING	SEPARATE PERMIT & PLANS	
FIRE ALARM CONDUIT & PANELS	1.5		X		X		X		WHERE NOT DIRECTLY ATTACHED TO STRUCTURE
FIRE ALARM CONDUIT & PANELS	1.5	X		X					WHERE DIRECTLY ATTACHED TO STRUCTURE
LIFE SAFETY POWER CONDUIT, PANELS, GENERATORS, INVERTERS	1.5		X		X		X		WHERE NOT DIRECTLY ATTACHED TO STRUCTURE
LIFE SAFETY POWER CONDUIT, PANELS, GENERATORS, INVERTERS	1.5	X		X					WHERE DIRECTLY ATTACHED TO STRUCTURE
POWER CONDUIT	1.5		X		X		X		WHERE NOT DIRECTLY ATTACHED TO STRUCTURE
POWER CONDUIT	1.5	X		X					WHERE DIRECTLY ATTACHED TO STRUCTURE
COMMUNICATION CONDUIT	1.5		X		X		X		WHERE NOT DIRECTLY ATTACHED TO STRUCTURE
COMMUNICATION CONDUIT	1.5	X		X					WHERE DIRECTLY ATTACHED TO STRUCTURE
FREE STANDING EQUIPMENT	1.5		X		X		X		WHERE NOT DIRECTLY ATTACHED TO STRUCTURE

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REVISIONS

NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

E000

ELECTRICAL SYMBOLS AND ABBREVIATIONS

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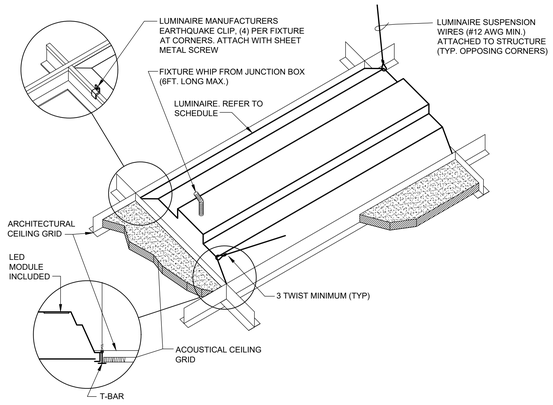


LUMINAIRE MOUNTING - LAY-IN-CEILING

NO SCALE

UMC UMTH RENO 2W - LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	APPROVED EQUALS	DESCRIPTION	VOLTS	WATTAGE	SOURCE	CCT	CRI	DIMMING TYPE	MOUNTING	REMARKS
FA	METALUX - 24-G-R-LD5-38-F1-UNV-L835-CD-1-U EQ-CLIP-U	ACUITY HUBBELL FOCAL POINT	2X4 LENSED LED TROFFER	UNV	31W	LED	3500K	80+	0-10V TO 10%	RECESSED	
FAE	SAME AS ABOVE, EXCEPT CONNECTED TO EMERGENCY GENERATOR.										
FB	METALUX - 24EN-LD2-40-UNV-L835-CD-1-U	ACUITY HUBBELL FOCAL POINT	2X4 LED TROFFER	UNV	34W	LED	3500K	80+	0-10V TO 1%	RECESSED	
FBE	SAME AS ABOVE, EXCEPT CONNECTED TO EMERGENCY GENERATOR.										
FC	METALUX - 22EN-LD2-34-UNV-L835-CD-1-U	ACUITY HUBBELL FOCAL POINT	2X2 LED TROFFER	UNV	29W	LED	3500K	80+	0-10V TO 1%	RECESSED	
FCE	SAME AS ABOVE, EXCEPT CONNECTED TO EMERGENCY GENERATOR.										
GA	METALUX - 4SNLED-LD5-41SL-LW-UNV-L835-CD-1-U	ACUITY HUBBELL FOCAL POINT	4' LED STRIPLIGHT	UNV	35W	LED	3500K	80+	0-10V	CHAIN HUNG	MOUNT 8'-6" AFF UON
GAE	SAME AS ABOVE, EXCEPT CONNECTED TO EMERGENCY GENERATOR.										
X1	SURE-LITES EUX6 1 R	ACUITY HUBBELL	SINGLE-FACED EXIT SIGN	277	1.1W	LED	RED	N/A	NON-DIMMING	CEILING SURFACE	REFER TO ELECTRICAL PLANS FOR REQUIRED ARROWS/PLACEMENT.
X2	SURE-LITES EUX6 2 R	ACUITY HUBBELL	DOUBLE-FACED EXIT SIGN	277	1.1W	LED	RED	N/A	NON-DIMMING	CEILING SURFACE	REFER TO ELECTRICAL PLANS FOR REQUIRED ARROWS/PLACEMENT.

NOTES:

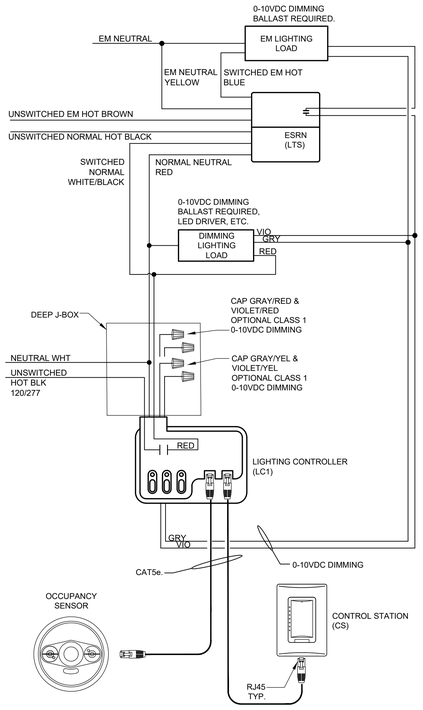
GENERAL NOTES:

LIGHT FIXTURE SUBSTITUTIONS TO THE BASIS OF DESIGN MUST BE EQUAL QUALITY, EQUAL PERFORMANCE, AND SUBMITTED 10 DAYS PRIOR FOR PRE-APPROVAL. REFERENCE DIVISION 1000 OF THE CONTRACT SPECIFICATIONS FOR PROCESS REQUIRED FOR PRE-APPROVAL. NO SUBSTITUTIONS WILL BE REVIEWED AFTER BASE-BIDS ARE ACCEPTED.

UMC UMTH RENO 2W - LIGHTING CONTROL MATRIX

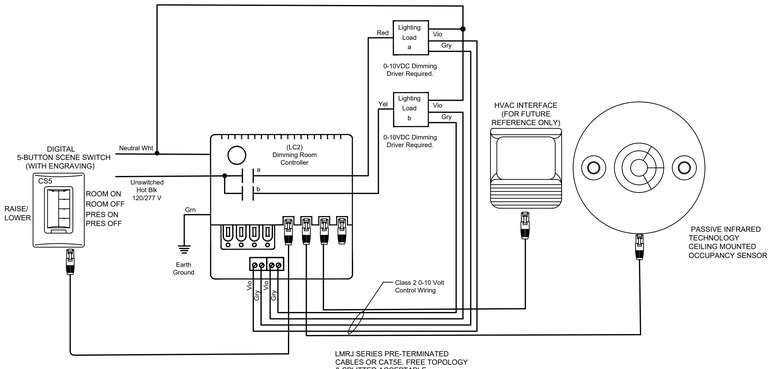
ROOM TYPE	MANUAL ON	AUTO ON	AUTO-OFF	PARTIAL OFF - NORMAL HOURS	AUTO OFF - AFTER HOURS	WALL OCCUPANCY/VACANCY	CEILING OCCUPANCY/VACANCY	WALL SWITCH	DIMMER SWITCH	SCENE CONTROL	OVERRIDE SWITCH	DIGITAL TIMER	FULL RANGE	MULTI-ZONE	STEP DIMMING	NON-DIM	TIME ON	TIME OFF	ASTRONOMICAL	PLUG LOAD	STANDALONE	NETWORK	BAS INTEGRATION	AV INTEGRATION	SHADE CONTROL	ON	OFF	OVERRIDE	ADDITIONAL INFORMATION
	OCCUPANCY SENSOR							CONTROL INTERFACE					DIMMING TYPE				TIME CONTROL			SYSTEM							PHOTOCELL			
SMALL STORAGE	X		5 MIN			X										X													
CORRIDOR		X	10 MIN			X					X					X													
PRIVATE OFFICE	X		10 MIN			X			X				X																
LARGE OFFICE / TEAM ROOM	X		20 MIN				X		X				X																
SPECIMEN PROCESS	X		20 MIN				X	X								X													
ANTE	X		10 MIN			X										X													
ISILATION ROOM	X		20 MIN				X	X								X													
BREAK	X		20 MIN				X	100%								X													
COPY/PRINT/MAIL ROOM		50%	20 MIN			X		100%																					
SUPPLY RECEIVING		50%	20 MIN				X	100%					X																
LARGE RESTROOM		X	20 MIN				X									X													
LARGE CONFERENCE	X		20 MIN				X		X				X																
LOBBY		X	10 MIN				X				X					X													
ELECTRICAL	X																												SWITCH ONLY - SAFETY PRECAUTION
MECHANICAL	X											X																	12 HOUR DIGITAL TIMER - SET FOR 1 HOUR STANDARD WITH BLINK WARNINGS SET FOR 2MIN, AND 1 MIN.

CONTROL DEVICE QUANTITIES SHOULD BE SELECTED FROM THE ELECTRICAL DRAWINGS, NOT THIS SPREADSHEET.

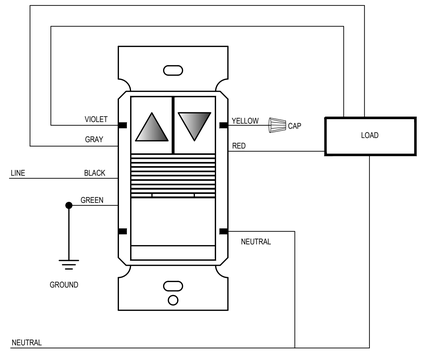


TYPICAL CEILING OCC SENSOR DIAGRAM ON/OFF/DIM/LTS

NOT TO SCALE. REFRENCE LIGHTING CONTROL MATRIX FOR FURTHER DETAIL
WIRING DIAGRAM IS BASED ON WATTSTOPPER LIGHTING CONTROLS



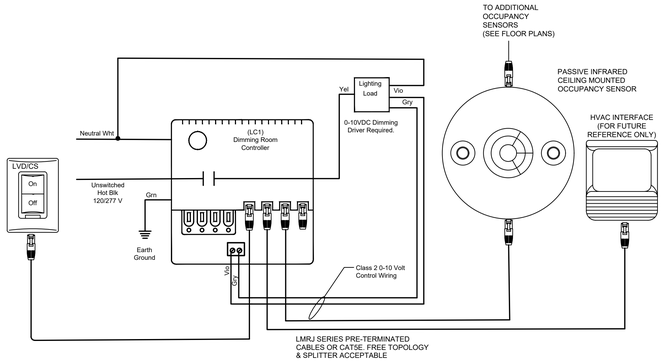
CONFERENCE ROOM CONTROL DETAIL



TYPICAL WALL OCC SENSOR DIAGRAM ON/OFF/DIM

NOT TO SCALE, REFERENCE LIGHTING CONTROL MATRIX FOR FURTHER DETAIL

WIRING DIAGRAM IS BASED ON WATTSTOPPER LIGHTING CONTROLS



MANUAL ON OCCUPANCY WITH HVAC INTERFACE

WIRING DIAGRAM IS BASED ON WATTSTOPPER LIGHTING CONTROLS

STATE OF MISSOURI
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MU TM

REVISIONS

NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

E001

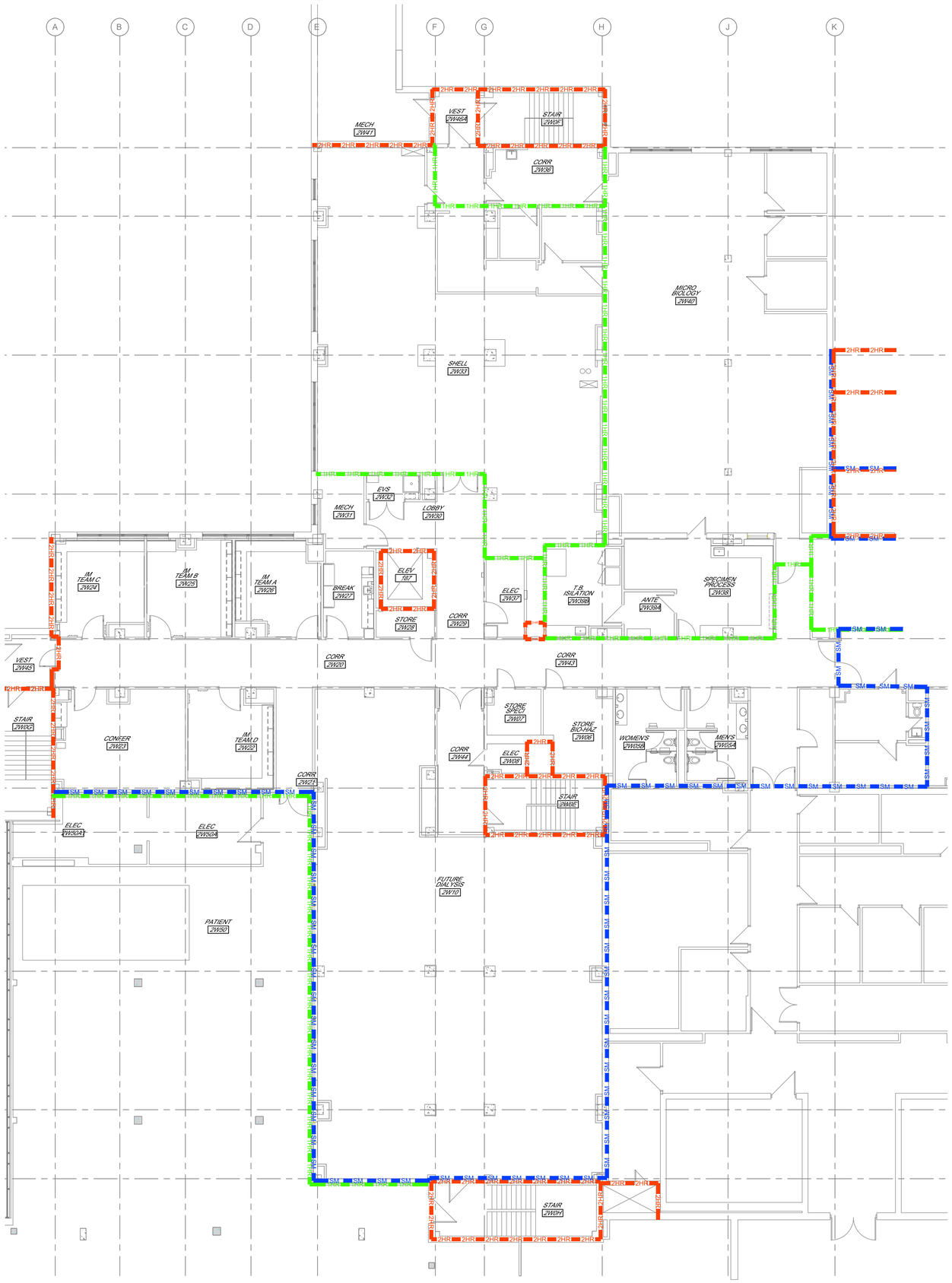
LIGHTING FIXTURE SCHEDULE AND DETAILS

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701



LEGEND		
SYMBOL	DESCRIPTION	PROTECTIVE ELEMENTS
3HR	3 HOUR FIRE BARRIER	3 HOUR FIRE BARRIER WALL CONSTRUCTION. 3-HOUR RATED DOOR ASSEMBLY. FIRE DAMPERS.
2HR	2 HOUR FIRE BARRIER	2 HOUR FIRE BARRIER WALL CONSTRUCTION. 1 1/2 HOUR RATED DOOR ASSEMBLY. FIRE DAMPERS
1HR	1 HOUR FIRE BARRIER	1 HOUR FIRE BARRIER WALL CONSTRUCTION. 3/4-HOUR RATED DOOR ASSEMBLY. FIRE DAMPERS. (EDIT F.D. REQUIREMENT FOR SPRINKLERED BUILDINGS)
2HR SM	2 HOUR FIRE SMOKE BARRIER	
SM	HOSPITAL CORRIDOR WALL (OR SMOKE PARTITION)	PARTITION BUILT TO LIMIT THE PASSAGE OF SMOKE. SMOKE DAMPER IS NOT REQUIRED.

NOTE:
THIS SHEET IS ONLY VALID IF PRINTED IN COLOR.

N

PARTIAL SECOND FLOOR PLAN - LIFE SAFETY

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

KEY PLAN

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REVISIONS		
NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

E002

PARTIAL SECOND FLOOR PLAN - LIFE SAFETY

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

MU Project Number:
CP210701

PANELBOARD: W2NH
VOLTAGE: 480 /277V
MAIN: 125 A

POWER NORMAL BRANCH

CONNECTED KVA					CKT			CKT			
LTG	RECP	OTHER	LOAD	POLES	BKR	CKT	Ph	CKT	BKR	POLES	LOAD
			EXISTING	1P	20	1	A	2	20	1P	EXISTING
1.40			LIGHTING	1P	20	3	B	4	20	1P	SPARE
			SPARE	1P	20	5	C	6	20	1P	SPARE
			SPARE	1P	20	7	A	8	20	1P	SPARE
			SPARE	1P	20	9	B	10	20	1P	SPARE
			SPARE	1P	20	11	C	12	20	1P	SPARE
			SPARE	1P	20	13	A	14	20	1P	SPARE
			SPARE	1P	20	15	B	16	20	1P	SPARE
			SPARE	1P	20	17	C	18	20	1P	SPARE
			SPARE	1P	20	19	A	20	20	1P	SPARE
			SPARE	1P	20	21	B	22	20	1P	SPARE
			SPARE	1P	20	23	C	24	20	1P	SPARE
			SPARE	1P	20	25	A	26	20	1P	SPARE
			SPARE	1P	20	27	B	28	20	1P	SPARE
			SPARE	1P	20	29	C	30	20	1P	SPARE
			SPARE	1P	20	31	A	32	20	1P	SPARE
			SPARE	1P	20	33	B	34	20	1P	SPARE
			SPARE	1P	20	35	C	36	20	1P	SPARE
			SPARE	1P	20	37	A	38	20	1P	SPARE
			SPARE	1P	20	39	B	40	20	1P	SPARE
			SPARE	1P	20	41	C	42	20	1P	SPARE
1.40	0.00	0.00	SUBTOTALS								SUBTOTALS

PANELBOARD: W2NL
VOLTAGE: 208 /120V
MAIN: 225 A

POWER NORMAL BRANCH

LOAD	POLES	CKT BKR	CKT	Ph	CKT	CKT BKR	POLES	LOAD
EXISTING	1P	20	1	A	2	20	1P	EXISTING
EXISTING	1P	20	3	B	4	20	1P	EXISTING
3 DD RECPT RN 2W24	1P	20	5	C	6	20	1P	PRINTER 2W20
3 DD RECPT RN 2W24	1P	20	7	A	8	20	1P	6 GP RECPT
PRINTER RN 2W24	1P	20	9	B	10	20	1P	3 DD RECPT
3 DD RECPT RN 2W25	1P	20	11	C	12	20	1P	4 RECPT GP
3 DD RECPT RN 2W25	1P	20	13	A	14	20	1P	4 RECPT GP
PRINTER RN 2W25	1P	20	15	B	16	20	1P	4 RECPT GP
3 DD RECPT RN 2W26	1P	20	17	C	18	20	GFCI	1 FL RECPT
3 DD RECPT RN 2W26	1P	20	19	A	20	20	GFCI	1 FL RECPT
PRINTER RN 2W26	1P	20	21	B	22	20	GFCI	1 FL RECPT
3 DD RECPT RN 2W22	1P	20	23	C	24	20	GFCI	1 FL RECPT
3 DD RECPT RN 2W22	1P	20	25	A	26	20	GFCI	1 FL RECPT
PRINTER RN 2W22	1P	20	27	B	28	20	1P	ICE MACHINE
SPARE	1P	20	29	C	30	20	1P	SPARE
SPARE	1P	20	31	A	32	20	1P	SPARE
1 RECPT 2W27	1P	20	33	B	34	20	1P	SPARE
1 RECPT 2W27	1P	20	35	C	36	20	1P	6 GP RECPT
1 RECPT 2W27	1P	20	37	A	38	20	1P	SPARE
1RECPT 2W27	1P	20	39	B	40	20	1P	SPARE
6 GP RECPT	1P	20	41	C	42	20	1P	SPARE
SPARE	1P	30	43	A	44	20	1P	SPARE
SPARE	1P	30	45	B	46	20	1P	SPARE
SPARE	1P	30	47	C	48	20	1P	SPARE
SPARE	1P	30	49	A	50	20	1P	SPARE
SPARE	1P	30	51	B	52	20	1P	SPARE
SPARE	1P	20	53	C	54	20	1P	SPARE
SPARE	1P	20	55	A	56	20	1P	SPARE
SPARE	1P	20	57	B	58	20	1P	SPARE
SPARE	1P	20	59	C	60	20	1P	SPARE
SPARE	1P	20	61	A	62	20	1P	SPARE
SPARE	1P	20	63	B	64	20	1P	SPARE
SPARE	1P	20	65	C	66	20	1P	SPARE
SPARE	1P	20	67	A	68	20	1P	SPARE
SPARE	1P	20	69	B	70	20	1P	SPARE
SPARE	1P	20	71	C	72	20	1P	SPARE
SPARE	1P	20	73	A	74	20	1P	SPARE
SPARE	1P	20	75	B	76	20	1P	SPARE
SPARE	1P	20	77	C	78	20	1P	SPARE
SPARE	1P	20	79	A	80	20	1P	SPARE
SPARE	1P	20	81	B	82	20	1P	SPARE
SPARE	1P	20	83	C	84	20	1P	SPARE
SUBTOTALS								SUBTOTALS

PANELBOARD: W2EQL
VOLTAGE: 208 /120V
MAIN: 225 A

POWER EQUIPMENT BRANCH

LOAD	POLES	CKT BKR	CKT	Ph	CKT	CKT BKR	POLES	LOAD
EXISTING	1P	20	1	A	2	20	1P	EXISTING
EXISTING	1P	20	3	B	4	20	1P	EXISTING
EXISTING	1P	20	5	C	6	20	1P	EXISTING
EXISTING	1P	20	7	A	8	20	1P	EXISTING
EXISTING	1P	20	9	B	10	20	1P	EXISTING
EXISTING	1P	20	11	C	12	20	1P	SPARE
EXISTING	1P	20	13	A	14	21	1P	SPARE
EXISTING	1P	20	15	B	16	22	1P	SPARE
EXISTING	1P	20	17	C	18	23	1P	SPARE
EXISTING	1P	20	19	A	20	20	1P	VAV POWER SUPPLY
EXISTING	1P	20	21	B	22	20	1P	SPARE
EXISTING	1P	20	23	C	24	17	1P	SPARE
SPARE	1P	20	25	A	26	18	1P	SPARE
SPARE	1P	20	27	B	28	19	1P	SPARE
EXISTING	1P	20	29	C	30	20	1P	SPARE
SPARE	1P	20	31	A	32	20	1P	SPARE
SPARE	1P	20	33	B	34	20	1P	SPARE
SPARE	1P	20	35	C	36	20	1P	SPARE
SPARE	1P	20	37	A	38	20	1P	SPARE
SPARE	1P	20	39	B	40	20	1P	SPARE
SPARE	1P	20	41	C	42	20	1P	SPARE
SUBTOTALS								SUBTOTALS

PANELBOARD: W2CRH
VOLTAGE: 480 /277V
MAIN: 125 A

POWER CRITICAL BRANCH

LOAD	POLES	CKT BKR	CKT	Ph	CKT	CKT BKR	POLES	LOAD
EXISTING	1P	20	1	A	2	20	1P	LIGHTING
SPARE	1P	20	3	B	4	20	1P	SPARE
SPARE	1P	20	5	C	6	20	1P	SPARE
SPARE	1P	20	7	A	8	20	1P	SPARE
SPARE	1P	20	9	B	10	20	1P	SPARE
SPARE	1P	20	11	C	12	20	1P	SPARE
SPARE	1P	20	13	A	14	20	1P	SPARE
SPARE	1P	20	15	B	16	20	1P	SPARE
SPARE	1P	20	17	C	18	20	1P	SPARE
SPARE	1P	20	19	A	20	20	1P	SPARE
SPARE	1P	20	21	B	22	20	1P	SPARE
SPARE	1P	20	23	C	24	20	1P	SPARE
SPARE	1P	20	25	A	26	20	1P	SPARE
SPARE	1P	20	27	B	28	20	1P	SPARE
SPARE	1P	20	29	C	30	20	1P	SPARE
SPARE	1P	20	31	A	32	20	1P	SPARE
SPARE	1P	20	33	B	34	20	1P	SPARE
SPARE	1P	20	35	C	36	20	1P	SPARE
SPARE	1P	20	37	A	38	20	1P	SPARE
SPARE	1P	20	39	B	40	20	1P	SPARE
SPARE	1P	20	41	C	42	20	1P	SPARE

PANELBOARD: W2LSH
VOLTAGE: 480 /277V
MAIN: 125 A

POWER LIFE SAFETY BRANCH

LOAD	POLES	CKT BKR	CKT	Ph	CKT	CKT BKR	POLES	LOAD
LIGHTING	1P	20	1	A	2	20	1P	EXISTING
SPARE	1P	20	3	B	4	20	1P	SPARE
SPARE	1P	20	5	C	6	20	1P	SPARE
SPARE	1P	20	7	A	8	20	1P	SPARE
SPARE	1P	20	9	B	10	20	1P	SPARE
SPARE	1P	20	11	C	12	20	1P	SPARE
SPARE	1P	20	13	A	14	20	1P	SPARE
SPARE	1P	20	15	B	16	20	1P	SPARE
SPARE	1P	20	17	C	18	20	1P	SPARE
SPARE	1P	20	19	A	20	20	1P	SPARE
SPARE	1P	20	21	B	22	20	1P	SPARE
SPARE	1P	20	23	C	24	20	1P	SPARE
SPARE	1P	20	25	A	26	20	1P	SPARE
SPARE	1P	20	27	B	28	20	1P	SPARE
SPARE	1P	20	29	C	30	20	1P	SPARE
SPARE	1P	20	31	A	32	20	1P	SPARE
SPARE	1P	20	33	B	34	20	1P	SPARE
SPARE	1P	20	35	C	36	20	1P	SPARE
SPARE	1P	20	37	A	38	20	1P	SPARE
SPARE	1P	20	39	B	40	20	1P	SPARE
SPARE	1P	20	41	C	42	20	1P	SPARE
SUBTOTALS								SUBTOTALS

PANELBOARD: W2LSL
VOLTAGE: 208 /120V
MAIN: 125 A

POWER LIFE SAFETY BRANCH

LOAD	POLES	CKT BKR	CKT	Ph	CKT	CKT BKR	POLES	LOAD
EXISTING	1P	20	1	A	2	20	1P	EXISTING
EXISTING	1P	20	3	B	4	20	1P	SPARE
SMOKE SHUTTER CKT	1P	20	5	C	6	20	1P	SPARE
AUTO DOOR	1P	20	7	A	8	20	1P	SPARE
SPARE	1P	20	9	B	10	20	1P	SPARE
SPARE	1P	20	11	C	12	20	1P	SPARE
SPARE	1P	20	13	A	14	20	1P	SPARE
SPARE	1P	20	15	B	16	20	1P	SPARE
SPARE	1P	20	17	C	18	20	1P	SPARE
SPARE	1P	20	19	A	20	20	1P	SPARE
SPARE	1P	20	21	B	22	20	1P	SPARE
SPARE	1P	20	23	C	24	20	1P	SPARE
	3P	20	25	A	26	20	1P	NO SPACE
	3P	20	27	B	28	20	1P	NO SPACE
MAIN	3P	20	29	C	30	20	1P	NO SPACE
SUBTOTALS								SUBTOTALS

GENERAL NOTES

1. DIVISION 26 CONTRACTOR SHALL VERIFY EXISTING LOADS, SPARE, AND BREAKER SPACE IN FIELD AND PROVIDE UPDATED PANEL DIRECTORIES PER SPECIFICATION. NEW DIRECTORIES SHALL INCLUDE EXISTING LOAD INFORMATION AND NOT INCLUDE "EXISTING LOAD, ETC". RETURN EXISTING PANEL DIRECTORIES TO OWNER.

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E003

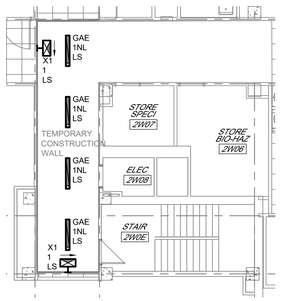
ELECTRICAL PANEL SCHEDULES

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

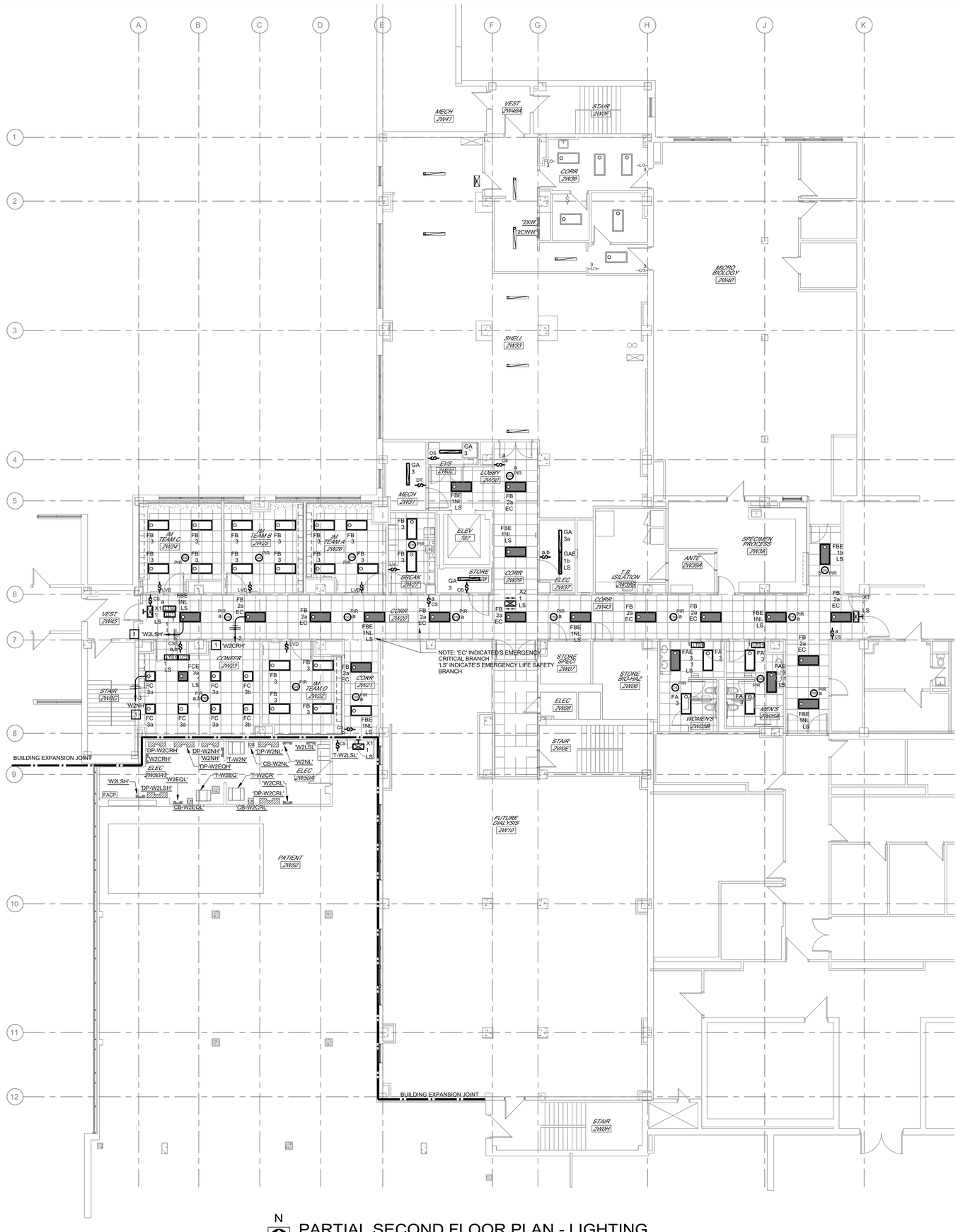
MU Project Number:
CP210701



N

TEMPORARY EGRESS CORRIDOR - LIGHTING

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



N

PARTIAL SECOND FLOOR PLAN - LIGHTING

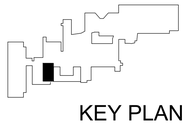
SCALE: 1/8" = 1'-0"

GENERAL LIGHTING NOTES:

1. REFER TO SYMBOL LEGEND ON SHEET E000 FOR INFORMATION ON COMMUNICATION DEVICES.
2. TYPE MC CABLE IS PERMITTED FOR WIRING FROM LOCAL DISTRIBUTION JUNCTION BOXES TO DEVICES OR EQUIPMENT IN NEARBY WALLS OR CEILING SPACE. THE LOCAL DISTRIBUTION JUNCTION BOXES SHOULD BE LOCATED WITHIN 20 FEET OF THE DEVICE OR EQUIPMENT SERVED. CONDUIT AND WIRING SHALL BE USED FOR BRANCH CIRCUITING BETWEEN THE LOCAL DISTRIBUTION JUNCTION BOXES AND FOR THE "HOMERUNS" FROM THE PANELS. THE MC CABLE IS PERMITTED TO ROUTE FROM RECEPTACLE TO RECEPTACLE THROUGH WALLS AND THROUGH THE CEILING SPACE FOR THE FINAL PORTION OF BRANCH CIRCUIT WIRING BETWEEN RECEPTACLES IN ADJACENT WALLS OF THE SAME ROOM OR AREA. TYPE MC CABLE SHALL NOT BE INSTALLED WHERE EXPOSED.
3. ELECTRICAL PANELBOARD DIRECTORIES SHALL BE LABELED WITH FINAL ROOM NUMBERS.
4. SEE SHEET E200 FOR LUMINAIRE SCHEDULE, LIGHTING WIRING DIAGRAMS AND DETAILS.
5. FURNISH AND INSTALL EXPANSION FITTINGS FOR ALL CONDUIT CROSSING BUILDING EXPANSION JOINT.

KEYED NOTES

1 CONNECT TO SPARE 20 AMP SINGLE POLE CIRCUIT BREAKER IN EXISTING PANEL AS INDICATED.



KEY PLAN

STATE OF MISSOURI
AUSTIN P. STRIEKER
NUMBER PE-2014032649
PROFESSIONAL ENGINEER

AUSTIN P. STRIEKER
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REVISIONS		
NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

E201

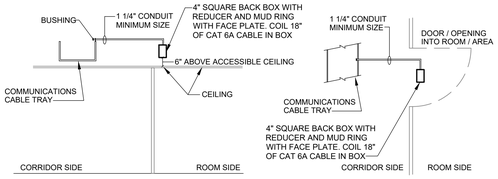
PARTIAL SECOND FLOOR PLAN - LIGHTING

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number:
HC0728.2101.00

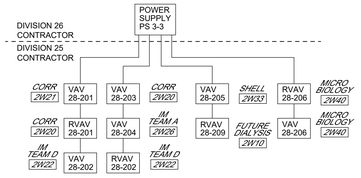
MU Project Number:
CP210701



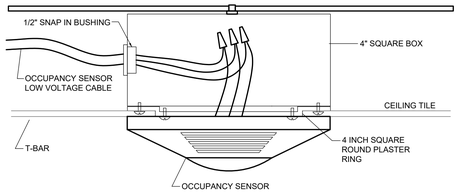
ELEVATION PLAN VIEW

ABOVE CEILING TELECOM BOX INSTALLATION DETAIL

SCALE: NO SCALE

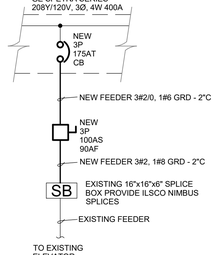


VAV SCHEMATIC



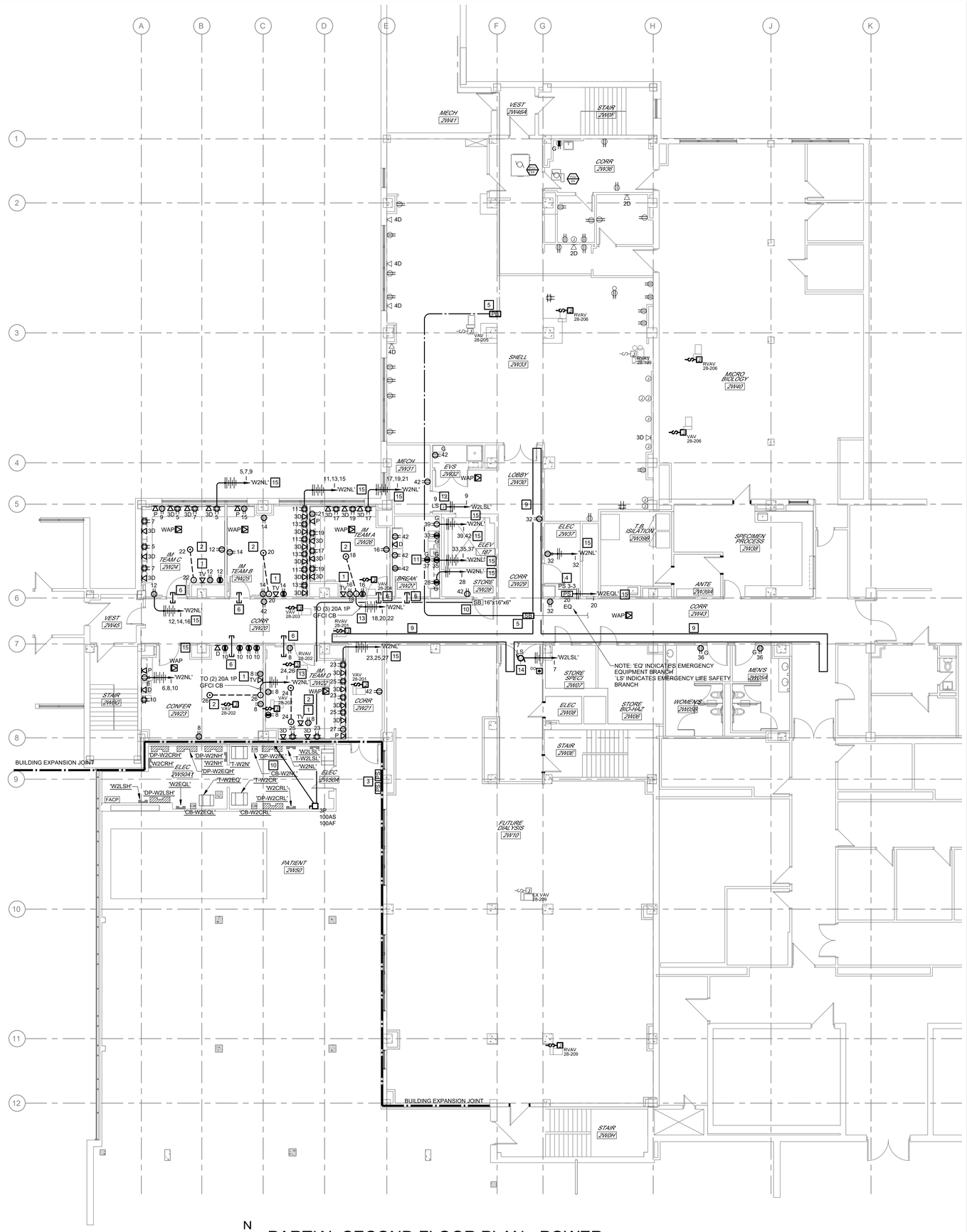
OCCUPANCY SENSOR MOUNTING DETAIL

NO SCALE



PARTIAL ONE LINE

NO SCALE



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PARTIAL SECOND FLOOR PLAN - POWER

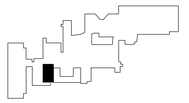
SCALE: 1/8" = 1'-0"

GENERAL POWER NOTES:

1. PROVIDE ENGRAVED COVERPLATE AT EACH DEVICE INDICATING PANEL NAME AND CIRCUIT NUMBER. REFERENCE SPECIFICATIONS.
2. CONDUIT AND CONDUCTORS SHALL BE ROUTED IN A MANNER TO PROVIDE THE MOST DIRECT PATH TO OUTLET. MINIMIZE CONDUIT ELBOWS WHERE POSSIBLE.
3. DO NOT BUNDLE (TIE WRAP) CONDUCTORS OR USE WIRE PULLING COMPOUND.
4. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS OF EQUIPMENT IN ALL PACU'S.
5. COORDINATE ALL SYSTEMS DEVICE LOCATIONS WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO ROUGH-IN.
6. ALL TELE/DATA CABLES IN THIS AREA SHALL BE ROUTED TO DATA 2W01.
7. COORDINATE FINAL SECURITY DEVICE LOCATIONS WITH OWNER'S SECURITY TEAM PRIOR TO ROUGH-IN.
8. ALL PENETRATIONS THROUGH OR INTO CONCRETE SHALL BE X-RAYED PRIOR TO WORK.
9. ELECTRICAL PANELBOARD DIRECTORIES SHALL BE RETURNED TO MUHC, NEW ELECTRICAL PANELBOARD DIRECTORIES SHALL BE TYPEWRITTEN AND REPRINTED WITH FINAL ROOM NUMBERS AND SPECIFIC LOAD INFORMATION, EXISTING LOADS SHALL BE INCLUDED IN THE NEW DIRECTORIES WITH FINAL ROOM NUMBERS AND SPECIFIC LOAD INFORMATION AND CAN NOT INDICATED 'EXISTING LOAD, EXISTING RECEPTACLE, ETC'.
10. FURNISH AND INSTALL EXPANSION FITTINGS FOR ALL CONDUITS CROSSING BUILDING EXPANSION JOINT.

KEYED NOTES

1. POWER AND DATA OUTLET FOR OFCI MONITOR VERIFY EXACT MOUNTING LOCATION AT JOB SITE.
2. INSTALL STEEL CASE THREAD POWER SYSTEM WITH NEMA MONUMENT CONNECTOR UNDER CARPET WITH INSIDE WALL MOUNTED OPTION, COORDINATE FINAL LOCATION WITH FURNITURE VENDOR AND ARCHITECT PRIOR TO INSTALLATION.
3. NEW LOCATION OF RELOCATED EXISTING 'VAV' POWER SUPPLY RECONNECT TO EXISTING 120 VOLT BRANCH CIRCUITING EXTEND AS REQUIRED, MATCH EXISTING.
4. FUNCTIONAL DEVICES PSH500A POWER SUPPLY FOR 'VAV' BOX POWER, 'VAV', 'RAV' AND 'EAV' BOXES, OUTPUTS SHALL BE LIMITED TO A MAXIMUM OF 3 BOXES, SEE SCHEMATIC ON THIS SHEET.
5. FURNISH AND INSTALL NEW SPLICE BOX WITH ILSCO NIMBUS SPLICES TO EXTEND EXISTING FEEDER WITH 3#500MCM, 1#250MCM IN 3 1/2" CONDUIT, VERIFY FEEDER SIZES AND NOTIFY ENGINEER OF DISCREPANCIES.
6. PROVIDE AN 'STI EZ' PATH RATED PATHWAY ABOVE DOOR, SEE SPECIFICATIONS FOR ADDITIONAL 'STI EZ' PATH REQUIREMENT.
7. FURNISH AND INSTALL 3/4" LIGHT COLOR PAINTED AC GRADE PLYWOOD TO PERIMETER WALLS UP TO 8'-0" AFF, DO NOT PAINT OVER FIRE RATING LABELS.
8. SEE ABOVE CEILING TELECOM BOX INSTALLATION DETAIL ON THIS SHEET.
9. FURNISH AND INSTALL 2"x18" CABLE TRAY.
10. FURNISH AND INSTALL NEW 175A 3P BREAKER IN PANEL 'DP-W2NL', SPLICE AND EXTEND SERVICE ELEVATOR FEEDER FROM EXISTING SPLICE BOX TO PANEL 'DP-W2NL', SEE PARTIAL ONE LINE THIS SHEET.
11. DUPLEX RECEPTACLES FOR STACKED MICROWAVE, VERIFY EXACT MOUNTING LOCATION AT JOB SITE.
12. JUNCTION BOX FOR POWER CONNECTION TO SMOKE SHUTTER.
13. FURNISH AND INSTALL NEW CIRCUIT BREAKER SINGLE POLE 20 AMP 'GFIC' TYPE, IN EXISTING PANEL AS INDICATED.
14. MOTORIZED DOOR, AND DOOR OPERATOR FURNISHED AND INSTALLED BY G.C., CONNECTED BY E.C.
15. CONNECT TO SPARE 20 AMP SINGLE POLE CIRCUIT BREAKER IN EXISTING PANEL AS INDICATED,UNLESS OTHERWISE NOTED.



KEY PLAN

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PROFESSIONAL ENGINEER
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REVISIONS

NO	DESCRIPTION	DATE
	RE-ISSUED IN ENTIRETY	08/10/21

E202

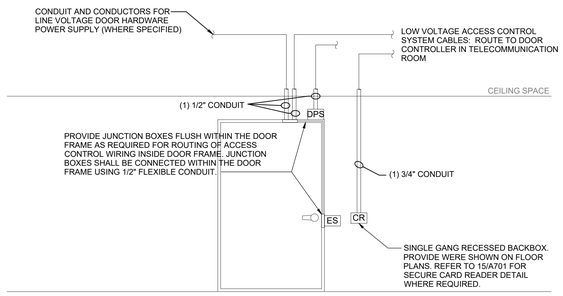
PARTIAL SECOND FLOOR PLAN - POWER

BID DOCUMENTS

Date: 08/10/2021

TreanorHL Project Number: HC0728.2101.00

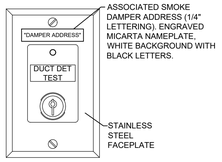
MU Project Number: CP210701



ACCESS CONTROL ROUGH-IN DIAGRAM

SCALE: NO SCALE

NOTES:
1. DETAIL IS DIAGRAMMATIC ONLY AND MAY NOT REPRESENT ACTUAL DEVICES/QUANTITY OF DEVICES REQUIRED. COORDINATE ALL REQUIREMENTS WITH ACTUAL DOOR HARDWARE PROVIDED AND ARCHITECTURAL DRAWINGS.
2. RECESS JUNCTION BOXES, SIZED TO MEET MANUFACTURER REQUIREMENTS IN LOCATIONS SHOWN UNLESS OTHERWISE NOTED. PROVIDE BLANK COVERPLATES FOR UNUSED JUNCTION BOXES.
3. EACH DOOR REQUIRING ACCESS CONTROL MUST BE PROVIDED WITH ONE (1) 18/6 SHIELDED AND ONE (1) 22/6 SHIELDED CABLE, PULLED TO ACCESS PANEL LOCATION.



SMOKE DETECTOR REMOTE TEST STATION ENGRAVING

NOTE:
PROVIDE DUCT DETECTOR TEST SWITCH FOR EACH DUCT DETECTOR. FOR DUCT DETECTORS ASSOCIATED WITH SMOKE AND FIRE/SMOKE DAMPERS, TEST SWITCH SHALL BE LOCATED ADJACENT TO DAMPER APPROXIMATELY 6" ABOVE CEILING TILE. LOCATION OF TEST SWITCH SHALL BE COORDINATED WITH ALL OTHER ABOVE CEILING UTILITIES AND SHALL BE FULLY ACCESSIBLE. IN AREAS EXPOSED TO STRUCTURE (NO CEILING) MOUNT AT 78" AFF.

N

PARTIAL SECOND FLOOR PLAN - SYSTEMS

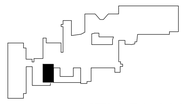
SCALE: 1/8" = 1'-0"

GENERAL SYSTEMS NOTES:

1. NEW FIRE ALARM DEVICES TO BE SAME TYPE, MANUFACTURER AND COLOR AS EXISTING. MODIFY EXISTING FIRE ALARM SYSTEM AS REQUIRED FOR ADDITIONAL DEVICES.
2. COORDINATE ALL SYSTEMS DEVICE LOCATIONS WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO ROUGH-IN.
3. PROVIDE ENGRAVED LABEL AT EACH DEVICE. REFERENCE SPECIFICATIONS.
4. FIRE ALARM WIRING SHALL BE WIRED BACK TO FIRE ALARM POWER SUPPLY IN ELECTRICAL ROOM 2W50A.
5. FURNISH AND INSTALL EXPANSION FITTINGS FOR ALL CONDUIT CROSSING BUILDING EXPANSION JOINT.

KEYED NOTES

1. INSTALL TWO STEEL CITY #82181T BOXES WITH SINGLE GANG MUD RINGS AND 1"C BETWEEN THEM FOR HDMI CABLE ROUTING. MOUNT ONE JUNCTION BOX AT +24" AND ONE BEHIND MONITOR. COORDINATE FINAL ELEVATION AND LOCATION WITH OWNER.
2. FINAL LOCATION OF RELOCATED AUDIO/VISUAL FIRE ALARM DEVICE.
3. FURNISH AND INSTALL 120 VOLT FIRE ALARM RATED RELAY FOR SMOKE SHUTTER. CONNECT TO EXISTING `FACP' IN ELECTRICAL ROOM 2W50A.
4. EXISTING SPEAKER TO RELOCATED TO NEW CEILING, EXTEND EXISTING WIRING AS REQUIRED, MATCH EXISTING.
5. FURNISHED AND INSTALL 120 VOLT FIRE ALARM RATED RELAY TO DISABLE AUTO DOOR, CONNECT TO EXISTING 'FACP' IN ELECTRICAL ROOM 2W50A.
6. FURNISH AND INSTALL NEW AUDIO/VISUAL FIRE ALARM DEVICE ON TEMPORARY CONSTRUCTION WALL, WHEN TEMPORARY CONSTRUCTION WALL IS REMOVED RELOCATE FIRE ALARM DEVICE, SEE KEYED NOTE #7 THIS SHEET.



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REVISIONS

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E203

PARTIAL SECOND FLOOR PLAN - SYSTEMS

BID DOCUMENTS

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