6/9/2020 8:26:10 AM

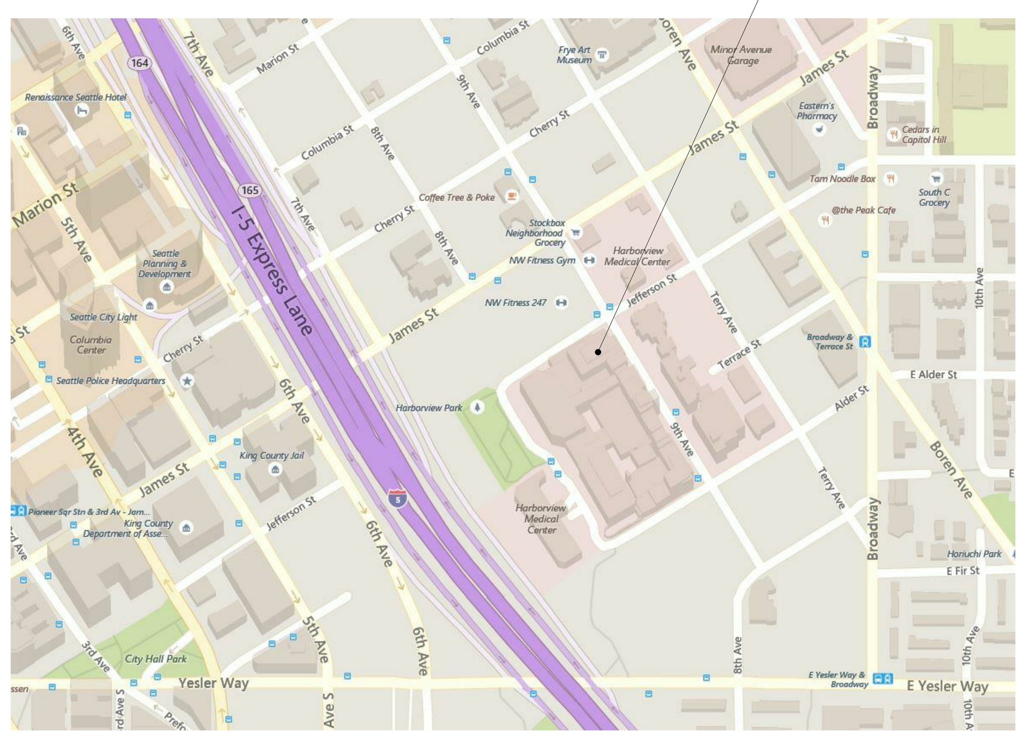
HARBORVIEW MEDICAL CENTER

HMC 8EH BURN UNIT

DESIGN DEVELOPMENT

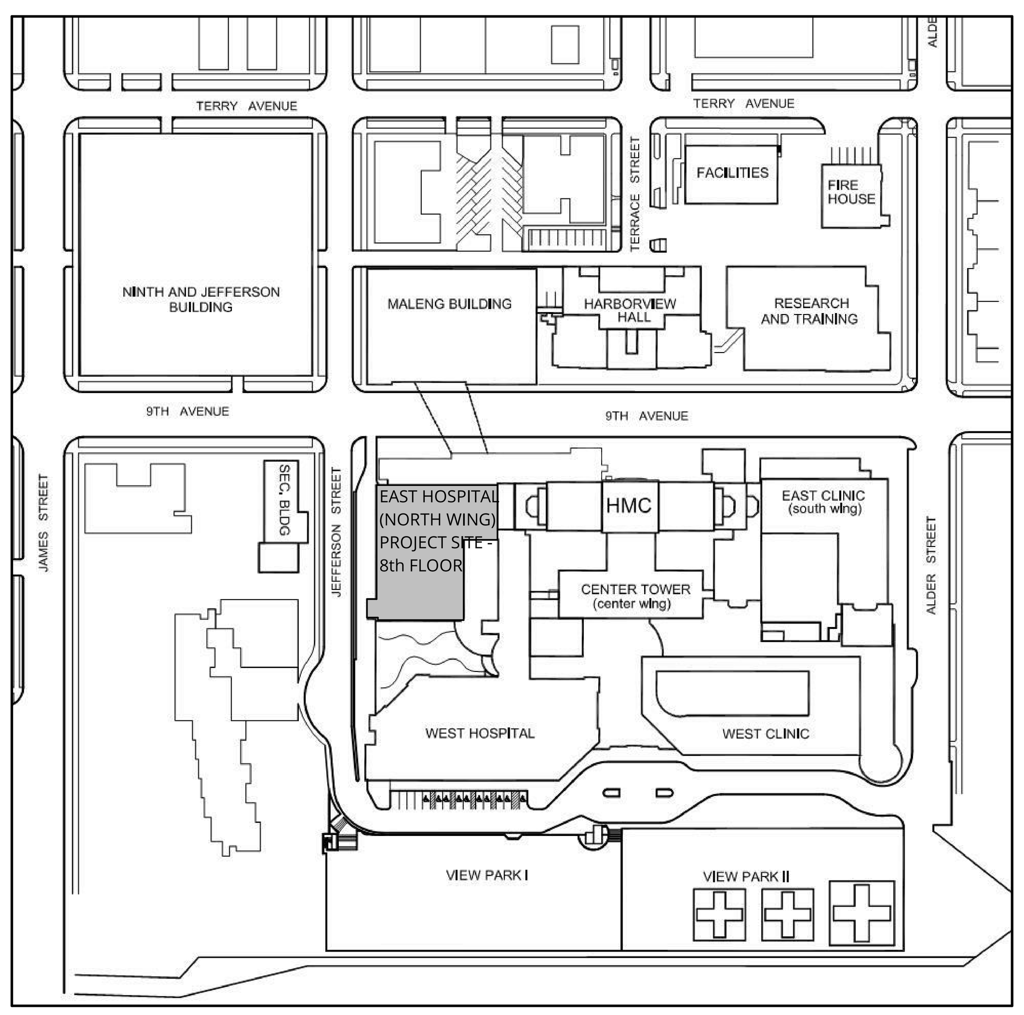
UW Project #: 206970

PROJECT SITE;
EAST HOSPITAL (NORTH WING)



TRUE PROJECT

VICINITY MAP



TRUE PROJECT

CAMPUS MAP

DEFERRED SUBMITTALS

ELECTRICAL WILL BE PERMITTED SEPARATELY

FIRE ALARM AND FIRE SURPRESSION SUBMITTALS ARE DEFERRED

GENERAL NOTES

GENERAL

1. VERIFY SITE CONDITIONS AND REPORT DISCREPANCIES TO THE OWNER PRIOR TO CONSTRUCTION.
2. PROVIDE BLOCKING OR OTHER CONCEALED SUPPORTS WITHIN WALLS AS REQUIRED FOR HANDRAILS, CASEWORK, GRAB BARS, ART WORK, SHELVING, AND OTHER APPLIED WALL MOUNTED FIXTURES, FINISHES OR EQUIPMENT.

DIMENSIONS

1. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS GOVERN.
2. DO NOT ADJUST CLEAR DIMENSIONS WITHOUT APPROVAL OF THE ARCHITECT.
3. DIMENSIONS ARE MEASURED FROM FACE OF FINISH OR CENTER OF GRID UNLESS NOTED OTHERWISE.
4. DIMENSIONS NOTED AS 'INSIDE CLEAR' ARE MEASURED FROM THE FACE OF THE DEEPEST PROTRUSION FROM THE WALL SURFACE (CASEWORK, FIXTURE, BASE, HANDRAIL, WAINSCOT, TRIM, ETC.)
5. NOTES TO 'ALIGN' REFER TO FINISHED FACE OF SURFACES.
6. LOCATE FACE OF HINGE SIDE DOOR JAMBS 4" AWAY FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
7. 'FLOOR LINE' 'FLOOR' OR 'FLOOR LEVEL' REFER TO TOP OF CONCRETE SLAB OR TOP OF CEMENTITIOUS UNDERLAYMENT; FINISH FLOORING IS INSTALLED ABOVE THE FLOOR LINE.
8. 'FINISH FLOOR' REFERS TO THE TOP OF FLOORING.

ACCESSIBILITY

1. REFER TO A0.03 FOR ACCESSIBILITY REQUIREMENTS PERTAINING TO OUTLET LOCATIONS AND HEIGHTS, SWITCH LOCATIONS AND HEIGHTS, GRAB BARS, WALL BLOCKING, FLOOR CLEARANCES, COUNTERTOP HEIGHTS, LOCATION OF PLUMBING CONTROLS, ETC.
2. CHANGES IN FINISH FLOOR ELEVATION IN EXCESS OF 1/4", MEASURED FROM LOWEST POINT ON EITHER SIDE OF THRESHOLD TO HIGHEST POINT ON THRESHOLD, SHALL BE BEVELED AT 1:2. IN NO CASE SHALL FLOOR TRANSITIONS AND CHANGES IN LEVEL IN FLOOR SURFACE BE MORE THAN 1/2" MAX IN VERTICAL HEIGHT.

SIGNAGE

1. IDENTIFY ALL FIRE-RATED ENCLOSURES CONCEALED ABOVE CEILINGS USING MIN. 6" HIGH RED LETTERING READING: 'RATED WALL - PROTECT ALL OPENINGS' IN ACCORDANCE WITH SBC 703.7.

HORIZONTAL AND VERTICAL ASSEMBLIES

1. SEAL AND OTHERWISE PROTECT PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION USING APPROVED FIRESTOPPING SYSTEMS TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY BEING PENETRATED.
2. SEAL PENETRATIONS THROUGH ACOUSTICALLY-RATED CONSTRUCTION TO MAINTAIN THE ACOUSTICAL RATING OF THE ASSEMBLY BEING PENETRATED.
3. SEAL PENETRATIONS IN ACOUSTICALLY RATED WALLS. WRAP BACKS OF RECESSED DEVICES WITH ACOUSTIC PADS RATED FOR THE ASSEMBLY.
4. PROVIDE DEFLECTION COMPENSATION AT TOP OF WALLS SECURED TO THE UNDERSIDE OF CONCRETE SLABS OR METAL DECK.

PROJECT TEAM

BUILDING ADDRESS	HARBORVIEW MEDICAL CENTER EAST HOSPITAL (NORTH WING) 325 NINTH AVENUE, 8TH FLOOR SEATTLE, WA 98104-2499	STRUCTURAL ENGINEER	LUND OPSAHL 1201 1ST AVE S #310 SEATTLE, WA 98134 CONTACT: MARJORIE LUND PHONE: (206) 402-5156 EMAIL: MLUND@LUNDOPSAHL.COM
OWNER/ LANDLORD	HARBORVIEW MEDICAL CENTER 325 NINTH AVENUE, BOX 359794 SEATTLE, WA 98104-2499 CONTACT: IBO SEZGIN PHONE: (206) 744-2481 FAX: (206) 744-8637	MECHANICAL ENGINEER	SAZAN GROUP 600 STEWART STREET, SUITE 1400 SEATTLE, WA 98101 CONTACT: ROBERT CUMMINGS PHONE: (206) 267-1700 EMAIL: RCUMMINGS@SAZAN.COM
ARCHITECT	ANKROM MOISAN ARCHITECTS, INC. 1505 5TH AVENUE, SUITE 300 SEATTLE, WA 98101 CONTACT: BRITT BEUSHAUSEN PHONE: (206) 386-3036 EMAIL: BRITTB@ANKROMMOISAN.COM	ELECTRICAL ENGINEER	STANTEC 4100 194TH ST, SUITE 400 LYNWOOD, WA 98036 CONTACT: CATHERINE DUVALL PHONE: 206-667-0535 EMAIL: CATHERINE.DUVALL@STANTEC.COM

2 PROJECT DESCRIPTION

SCOPE OF WORK:
INTERIOR ALTERATIONS OF APPROXIMATELY 1,700 SF OF EXISTING SPACES IN THE PEDIATRIC BURN UNIT ON LEVEL 8 OF THE EAST HOSPITAL BUILDING ON THE HARBORVIEW CAMPUS. THE PROJECT INCLUDES THE FOLLOWING:

- CONVERSION OF TWO OFFICES AND PLAY ROOM INTO LARGER PLAY ROOM
- CONVERSION OF THERAPY SPACE AND STAFF BREAK ROOM INTO LARGER THERAPY ROOM
- CONVERSION OF OFFICE INTO STAFF BREAK ROOM
- FINISH UPGRADE TO EXISTING BATHROOM
- ADDITION OF SUITE DOORS

ARCHITECTURAL WORK INCLUDES NON-LOAD BEARING WALLS, ARCHITECTURAL FINISHES, AND CASEWORK.

STRUCTURAL WORK INCLUDES CEILING INFRASTRUCTURE TO ACCOMMODATE NEW EQUIPMENT.

MECHANICAL & ELECTRICAL WORK INCLUDES UPGRADES TO EXISTING HVAC & ELECTRICAL SYSTEMS AS REQUIRED BY RENOVATIONS. ELECTRICAL WORK WILL BE PERMITTED SEPARATELY.

THE PROJECT WILL NOT IMPACT THE CONTINUOUS OPERATION OF THE REMAINDER OF THE PEDIATRIC BURN UNIT AND SURROUNDING SUPPORT SPACES DURING CONSTRUCTION.

BUILDING/ CODE INFORMATION

EXISTING SITE ZONING:
MIO-240-HR, MIO-105-MR

SDCI BUILDING ID:
6749982-CN

KING COUNTY ASSESSOR'S PARCEL NUMBER(S):
859040-0545

LEGAL DESCRIPTION:
ALL OF BLOCKS 66 & 67, TERRY'S 1ST ADD, TGW VAC STS & ALLEY ADJ (VO 58470, VO 98168, VO 117630)

EXISTING CONSTRUCTION TYPE:
TYPE 1A (FULLY SPRINKLERED, QUICK RESPONSE)

EXISTING USE GROUP AND OCCUPANCY :
BUILDING MAIN OCCUPANCY: I-2 HOSPITAL (SBC) & I1.1; HOSPITAL (UBC)

EXISTING NUMBER OF ABOVE-GRADE STORIES: 12 (NO CHANGE)

EXISTING NUMBER OF BELOW GRADE STORIES: 2 (NO CHANGE)

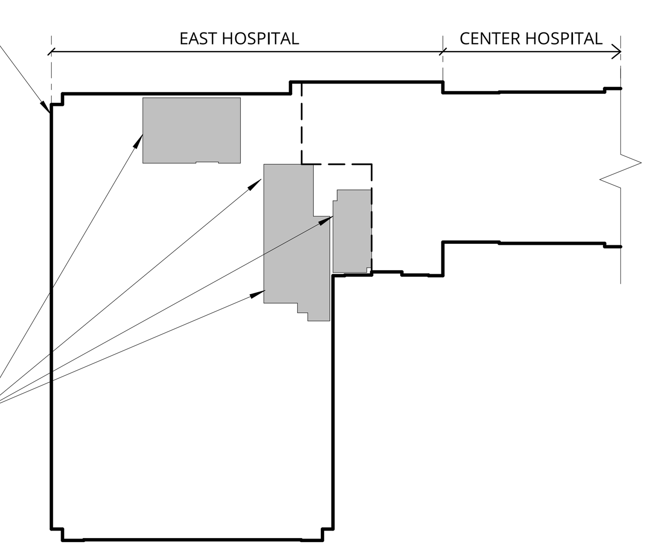
APPLICABLE CODES:

BUILDING CODE:	2015 SEATTLE BUILDING CODE
ELECTRICAL CODE:	2014 SEATTLE ELECTRICAL CODE
FUEL GAS CODE:	2015 SEATTLE FUEL GAS CODE
MECHNICAL CODE:	2015 SEATTLE MECHANICAL CODE
PLUMBING CODE:	2015 SEATTLE PLUMBING CODE
FIRE CODE:	2015 SEATTLE FIRE CODE
ENERGY CODE:	2015 SEATTLE ENERGY CODE
ACCESSIBILITY CODES:	ICC A117.1-2009 2010 ADA STANDARDS
DOH:	NFPA 101, 2012 EDITION FGI GUIDELINES, 2014 EDITION

SHEET #	SHEET NAME	PERMIT 12/05/2019	DOH 12/05/2019	CDs 02/14/2020
ARCHITECTURAL				
A0.00	COVER SHEET	•	•	•
A0.01	GENERAL PROJECT INFORMATION	•	•	•
A0.03	TYPICAL MOUNTING HEIGHTS	•	•	•
A0.10	INTERIOR PARTITION TYPES	•	•	•
A0.25	INFECTION CONTROL & PHASING PLANS	•	•	•
A0.26	INFECTION CONTROL & PHASING PLANS	•	•	•
A1.09	OVERALL FIRE AND LIFE SAFETY PLAN			•
A1.10	FIRE AND LIFE SAFETY PLAN	•	•	•
A2.01	8th FLOOR OVERALL FLOOR PLAN	•	•	•
A2.11	8th FLOOR DEMOLITION PLAN	•	•	•
A2.21	8th FLOOR PLAN	•	•	•
A3.01	MATERIALS AND FINISHES SCHEDULE	•	•	•
A3.11	8th FLOOR FINISH PLAN	•	•	•
A4.11	8th FLOOR EQUIPMENT PLAN	•	•	•
A6.01	8th FLOOR REFLECTED CEILING PLAN	•	•	•
A7.01	INTERIOR ELEVATIONS	•	•	•
A7.02	INTERIOR ELEVATIONS	•	•	•
A7.03	INTERIOR ELEVATIONS	•	•	•
A8.00	DOOR LEGEND AND SCHEDULE	•	•	•
A8.10	INTERIOR DETAILS			•
A8.11	INTERIOR DETAILS			•
A8.12	INTERIOR DETAILS			•
A8.20	INTERIOR DETAILS - CEILING	•	•	•
A8.21	INTERIOR DETAILS - FLOOR			•
STRUCTURAL				
S2.0	PARTIAL FRAMING PLAN & DETAILS	•	•	•
MECHANICAL				
M0.1	GEN NOTES, ABBREVIATIONS & DRAWING LIST	•	•	•
M0.2	LEGEND	•	•	•
M0.3	SCHEDULES	•	•	•
M2.01	HVAC DEMO PLAN 8TH FLOOR	•	•	•
M2.02	MED GAS DEMO PLAN 8TH FLOOR	•	•	•
M2.03	PIPING DEMO PLAN 8TH FLOOR	•	•	•
M3.01	HVAC PLAN 8TH FLOOR	•	•	•
M3.02	MED GAS PLAN 8TH FLOOR	•	•	•
M3.03	PIPING PLAN 8TH FLOOR	•	•	•
M5.0	DETAILS	•	•	•
ELECTRICAL				
E0.00	SYMBOLS AND ABBREVIATIONS	•	•	•
E1.02	8th FLOOR - POWER DEMO	•	•	•
E1.03	8th FLOOR - LIGHTING DEMO	•	•	•
E1.04	8th FLOOR - SYSTEMS DEMO	•	•	•
E1.05	8th FLOOR - COMM/AV DEMO	•	•	•
E2.01	8th FLOOR - POWER PLAN	•	•	•
E3.01	8th FLOOR - LIGHTING PLAN	•	•	•
E4.01	8th FLOOR - SYSTEMS PLAN	•	•	•
E5.01	8th FLOOR - COMM/AV PLAN	•	•	•
E7.01	ONE-LINE DIAGRAM EMERGENCY SWBD	•	•	•
E7.02	ONE-LINE DIAGRAM EMERGENCY - EH WING	•	•	•
E7.03	ONE-LINE DIAGRAM NORMAL - EH WING	•	•	•

KEYPLAN

EAST HOSPITAL BUILDING - 8TH FLOOR BURN UNIT



AREAS OF WORK - BREAK ROOM, BATHROOM, THERAPY, PLAYROOM, ENTRY DOORS

TRUE PROJECT

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS

ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970
EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE
1	1/09/2020	PERMIT CORRECTIONS #1
2	2/7/2020	DOH Comments r01

COVER SHEET

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A0.00

C:_Revit Projects\191360-18 HMC 8EH Burn Unit_Central\191360-18 HMC 8EH Burn Unit_brittb.rvt

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ABBREVIATIONS

ABBREVIATION	TERM
A/V	AUDIO VISUAL
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACDN	ACCORDION
ACP	ACOUSTICAL CEILING PANEL
ACST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADJ	ADJUST, ADJUSTABLE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
AP	ASPHALTIC PAVING
APP	APPROXIMATELY
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AUTO	AUTOMATIC
B #	BASE
BALC	BALCONY
BD	BOARD
BDRM	BEDROOM
BITUM	BITUMINOUS
BKR	BACKER
BL	BLINDS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLKT	BLANKET
BLT IN	BUILT-IN
BM	BEAM
BOC	BOTTOM OF CURB
BOT/BTM	BOTTOM
BOW	BOTTOM OF WALL
BRK	BRICK
BSMT	BASEMENT
BTR	BETTER
BU	BUILT-UP
BUR	BUILT-UP BITUMINOUS ROOFING
BW	BUILDING WRAP
C#	CARPET
C/W	CURTAIN WALL
CAB	CABINET
CB	CATCH BASIN
CC	CUBICLE CURTAIN
CEM	CEMENT, CEMENTITIOUS
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CK TP	COOK TOP
CL	CENTER LINE
CLG	CEILING
CLO	CLOSER
CLOS	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COILG	COILING
COL	COLUMN
COMP	COMPOSITE, COMPENSATION
CONC	CONCRETE
COND	CONDITION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CSMU	CALCIUM SILICATE MASONRY UNIT
CTG	COATING
CTR	CENTER
CTRL	CONTROL
CTSK	COUNTERSINK
CTV	CABLE TV
CU	CUBIC
CUST	CUSTOM
CWK	CASEWORK
D/W	DISHWASHER
DAAC	DIRECT-APPLIED ACOUSTICAL CEILING
DBL	DOUBLE
DEC	DECORATIVE
DEFL	DEFLECTION
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIM	DIMENSION
DIMP	DIMPLED PLASTIC
DKG	DECKING
DMFG	DAMPPROOFING
DS	DOWNSPOUT
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
EA	EACH
EF	EPOXY FLOORING, EACH FACE
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATED FINISH SYSTEM
EJC	EXPANSION JOINT COVER
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENTR	ENTRANCE
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQPT	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXPO	EXPOSED
EXT	EXTERIOR
F	FABRIC, FIBER
F FIN	FACTORY FINISH
FA	FIRE ALARM, FLUID APPLIED
FAB	FABERICATIONS
FAWB	FLUID APPLIED WEATHER BARRIER
FB	FLAT BAR
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR, FACTORY FINISH
FF SAM	FOIL FACED SELF-ADHERED MEMBRANE
FFAC	FIBER FACED ACOUSTICAL CEILING

ABBREVIATIONS

ABBREVIATION	TERM
FFE	FINISH FLOOR ELEVATION
FG	FULL GLASS
FGL	FIBERGLASS
FH	FLAT HEAD
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLDG	FOLDING
FLR	FLOOR
FLRG	FLOORING
FLSHG	FLASHING
FM	FRAME
FMD	FORMED
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOF
FPFG	FIREPROOFING
FR	FIRE RATED, FIRE RESISTIVE
FRM	FRAMED, FRAMING
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE, FIRESTOP
FT	FOOT, FEET
FTG	FOOTING
FURRG	FURRING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GBATH	GUEST BATH
GBDRM	GUEST BEDROOM
GD	GARBAGE DISPOSAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GI	GALVANIZED IRON
GL	GLASS
GLAM	GLU-LAMINATED
GLB	GLU-LAMINATED BEAM
GND	GROUND
GR	GRADE
GYP	GYPSUM
HB	HOSE BIBB
HC	HOLLOW CORE
HCP	HOLLOW CORE PLANK
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HT SAM	HIGH TEMPERATURE SELF-ADHERED MEMBRANE
ICF	INSULATED CONCRETE FORMS
ID	INSIDE DIAMETER
IFS	INSULATION FINISH SYSTEM
IN	INCH, INCHES
INSUL	INSULATION
INT	INTERIOR
INTG	INTEGRATED
INTUM	INTUMESCENT
JAN	JANITOR
JST	JOIST
JT	JOINT, JOINTS
L	LINEN
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAL FEET, LINEAR FOOTAGE
LIB	LIBRARY
LIN	LINEAR
LIN FT	LINEAL FEET
LKR	LOCKER
LP	LIME PLASTER
LT	LIGHT
LV	LIVING
LVR	LOUVER
MACH	MACHINE
MAINT	MAINTENANCE
MAX	MAXIMUM
MB	MACHINE BOLT
MBATH	MASTER BATHROOM
MBDRM	MASTER BEDROOM
MC	MEDICINE CABINET
MCP	MODIFIED CEMENT PLASTER
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDICATION. MEDICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MUL	MULLION
MW	MICROWAVE
NC	NON COMBUSTABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE, OPPOSITE HAND
ORN	ORNAMENTAL
OZ	OUNCE
P	PAINT
P/L	PROPERTY LINE
PAN	PANTRY
PC	PRECAST

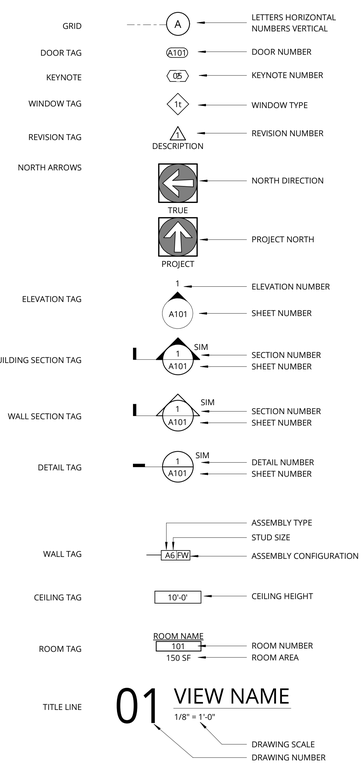
ABBREVIATIONS

ABBREVIATION	TERM
PCTF	PORTLAND CEMENT TERRAZZO FLOORING
PDRM	POWDER ROOM
PED	PEDESTRIAN
PERF	PERFORATED
PGRG	POLYMER GLASSFIBER REINFORCED GYPSUM
PH	PENTHOUSE
PKG	PACKAGE
PKGAR	PARKING GARAGE
PL	PLASTIC LAMINATE (PLAM)
PLAST	PLASTER, PLASTIC
PNL	PANEL
POL	POLISHED
POLYISO	POLYISOCYANURATE
PP	POWER POLE
PR	PAIR
PREFIN	PREFINISHED
PREM	PREMIUM
PRKG	PARKING
PROP	PROPERTY
PRT BD	PARTICLE BOARD
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED, POST-TENSIONED
PTD	PAPER TOWEL DISPENSER
PTD/R	PAPER TOWEL DISPENSER AND RECEPTACLE
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PWD	PLYWOOD
R	RISER, RISERS
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REHAB	REHABILITATION
REINF	REINFORCED, REINFORCING
REQ	REQUIREMENTS, REQUIRED
RES	RESIN
RESIL	RESILIENT
RF	RESILIENT FLOORING
RFG	ROOFING
RG	RANGE
RH	ROBE HOOK
RLG	RAILING
RM	ROOM
RO	ROUGH OPENING
RR	REST ROOM
RU	RESILIENT URETHANE
S&R	STILE AND RAIL
S&V	STAIN AND VARNISH
S/S	SERVICE SINK
SAM	SELF-ADHERED MEMBRANE
SBS	STYRENE BUTADIENE STYRENE
SC	SEALED CONCRETE, SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCRN	SCREEN
SD	SOAP DISPENSER
SDG	SIDING
SECT	SECTION, SECTIONAL
SF	SQUARE FEET, STOREFRONT
SG	SAFETY GLASS
SGL	SINGLE
SH	SHINGLES
SHOT	SHOTCRETE
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SIMU	SIMULATED
SKLT	SKYLIGHT
SLDG	SLIDING
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SOG	SLAB ON GRADE
SQ	SQUARE
SS	SOLID SURFACE
SST	STAINLESS STEEL
ST	STONE
ST SM	STANDING SEAM
STD	STANDARD
STL	STEEL
STN	STAIN
STOR	STORAGE
STR	STAIR, STAIRS
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
SYS	SYSTEN
T	TILE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T&M	TIME AND MATERIALS
TB	TACK BOARD, TOWEL BAR
TC	TRAFFIC COATING
TEL	TELEPHONE
TF	TERRAZZO FLOORING
THK	THICK
THRES	THRESHOLD
TMPD	TEMPERED
TOC	TOP OF CURB
TOPL	TOP OF PLATE
TOPV	TOP OF PAVEMENT
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPO	THERMOPLASTIC POLYOLEFIN
TR	TOILET ROOM
TR	TREAD, TREADS
TRAF	TRAFFIC
TRANSL	TRANSLUCENT
TU	TILT-UP
TV	TELEVISION
TYP	TYPICAL
UNDLY	UNDERLAYMENT
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VCT	VINYL COMPOSITION TILE
VEG	VEGETATED
VEHIC	VEHICULAR

ABBREVIATIONS

ABBREVIATION	TERM
VERT	VERTICAL
VEST	VESTIBULE
VFY	VERIFY
VG	VERTICAL GRAIN
VNR	VENEER
VP	VENEER PLASTER
VR	VAPOR RETARDER
W/	WITH
W/H	WATER HEATER
W/O	WITHOUT
WC	WALLCOVERING, WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WOOD FLOORING
WH	WALL HUNG
WP	WATERPROOF
WPFG	WATERPROOFING
WR	WATER RESISTANT, WATER RESISTIVE
WRB	WEATHER RESISTIVE BARRIER
WS	WATERSTOP
WT	WATERTIGHT
WT	WEIGHT
WW	WINDOW WALL
WWF	WOVEN WIRE FABRIC
XPS	EXTRUDED POLYSTYRENE
YD	YARD

SYMBOLS LEGEND



UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

GENERAL PROJECT INFORMATION

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A0.01

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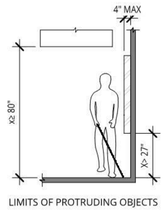


LIMITS OF PROTRUDING OBJECTS

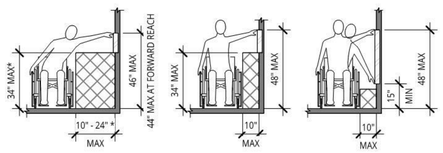
SIDE REACH DIAGRAMS

UNDER THE 2009 ANSI,
* IN TYPE B UNITS, WITHIN KITCHENS AND BATHROOMS, LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLES ARE PERMITTED TO BE LOCATED OVER CABINETS WITH COUNTER TOPS 36" MAX IN HEIGHT AND 25 1/2" MAX IN DEPTH

TABLE 603.6 MAXIMUM REACH DEPTH AND HEIGHT

MAXIMUM REACH DEPTH	0.5 INCH (13 MM)	2 INCH (51 MM)	5 INCH (125 MM)	6 INCH (150 MM)	9 INCH (230 MM)	11 INCH (280 MM)
MAXIMUM REACH HEIGHT	48 INCHES (1220 MM)	46 INCHES (1170 MM)	42 INCHES (1065 MM)	40 INCHES (1015 MM)	36 INCHES (915 MM)	34 INCHES (865 MM)

***FOR PROJECTS IN WA STATE UNDER 2003 ANSI, 40" IS THE MAX HEIGHT FOR REACH DEPTHS LESS THAN 6".



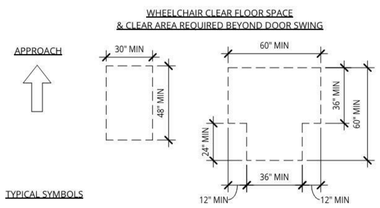
ADA - FLOOR LEVEL TRANSITIONS

GENERAL NOTES

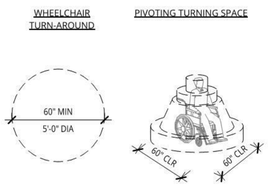
1. THESE PICTOGRAPHS DO NOT DESCRIBE ALL CONDITIONS WHICH MAY BE ENCOUNTERED. VERIFY QUESTIONS WITH ARCHITECT.
2. BLOCKING INDICATED ON THE DWGS TO EXTEND 1 1/2" ON ALL SIDES TO ACCOMMODATE CONSTRUCTION TOLERANCES AND ATTACHMENT POINTS. BLOCKING FOR FUTURE SHOWER AND BATHTUB SEATS TO BE PROVIDED AT 17"-19" MAX. AFF.
3. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT ENDS OF THE GRAB BAR SHALL BE 1 1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE THE GRAB BAR SHALL BE 12"
4. MOUNT DISPENSERS 48" MAX AFF TO THE HIGHEST OPERABLE PART UNLESS NOTED OTHERWISE
5. OPERABLE PARTS SHALL BE OPERATED WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS (22.2 N) MAXIMUM
6. NOTES REFERRING TO THE 2003 ANSI OR 2009 ANSI ARE TO CLARIFY REQUIREMENTS FOR THIS SPECIFIC PROJECT. THE PROJECT MUST FULLY COMPLY WITH THE APPLICABLE CODE FOR THE PROJECT
7. MOUNTING HEIGHTS ARE TYPICAL. SEE ELEVATIONS FOR ADDITIONAL PLACEMENTS
8. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL MOUNTING HEIGHTS AND EQUIPMENT LOCATIONS
9. WHERE CONFLICTS OCCUR, CONSULT ARCHITECT FOR DIRECTION

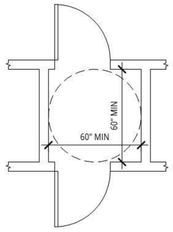
DOOR NOTES

1. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8-1/2" POUNDS (38N) FOR EXTERIOR DOOR AND 5 POUNDS (22N) FOR INTERIOR DOORS. ADA/ANSI 404.2.9. (WHEN ALLOWED BY THE APPROPRIATE ENFORCEMENT AGENCY, AT REQUIRED FIRE DOORS THE MAXIMUM EFFORT MAY BE INCREASED TO NOT EXCEED 15 POUNDS)
2. HAND ACTIVATED HARDWARE SHALL BE BETWEEN 34" MIN AND 48" MAX ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. ADA/ANSI 309.4, 404.2.7
3. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. ADA/ANSI 309.4, 404.2.3
4. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. ADA/ANSI 404.2.2, 404.2.3
5. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGES IN LEVEL > 1/4" IN HT AND NOT MORE THAN 1/2" MAX IN HT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. ADA/ANSI 303.2, 303.3

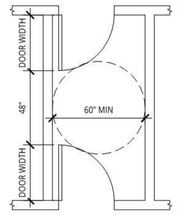


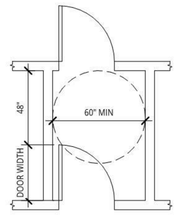
TYPICAL SYMBOLS

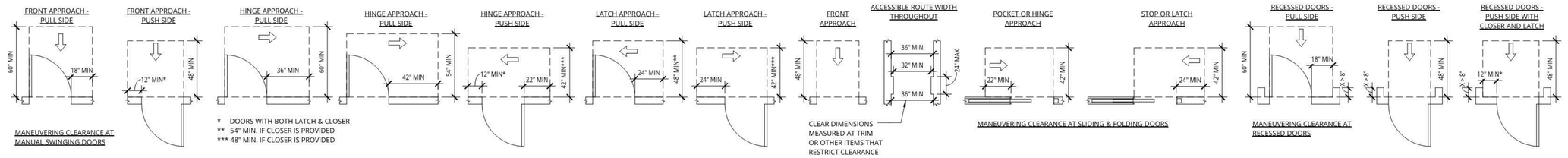




TWO DOORS IN A SERIES







MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

* DOORS WITH BOTH LATCH & CLOSER
** 54" MIN. IF CLOSER IS PROVIDED
*** 48" MIN. IF CLOSER IS PROVIDED

CLEAR DIMENSIONS MEASURED AT TRIM OR OTHER ITEMS THAT RESTRICT CLEARANCE

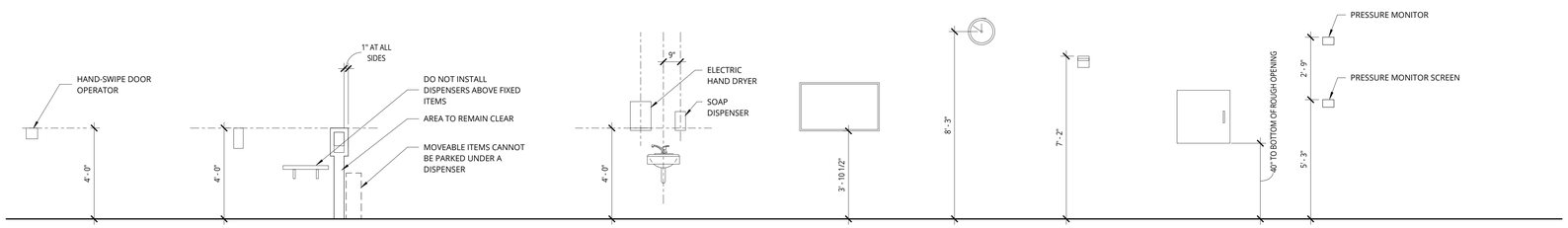
MANEUVERING CLEARANCE AT SLIDING & FOLDING DOORS

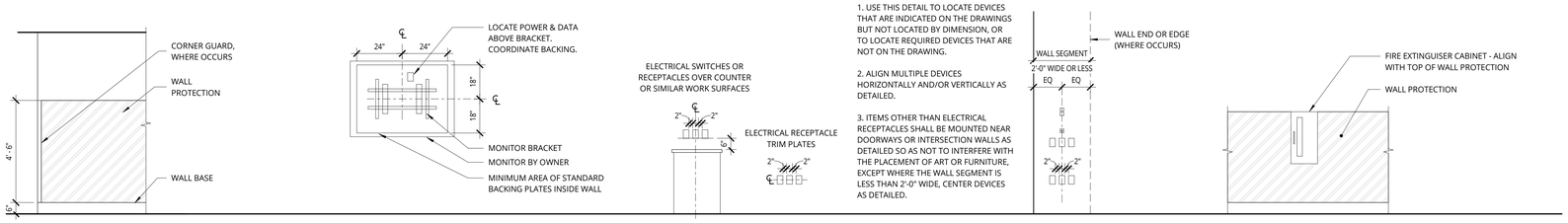
MANEUVERING CLEARANCE AT RECESSED DOORS

BUILDING CLEARANCES

2 ACCESSIBILITY GUIDELINES

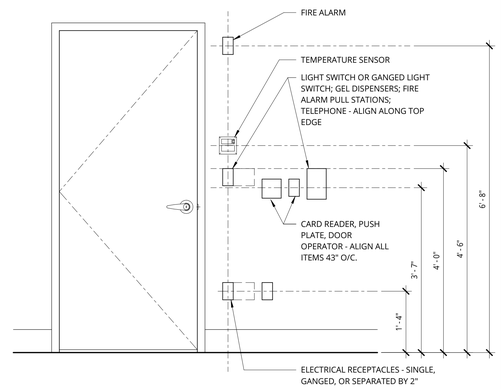
12" = 1'-0"





1 TYPICAL MOUNTING HEIGHTS

3/8" = 1'-0"



3 MOUNTING HEIGHTS AT DOOR

3/4" = 1'-0"

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ARCHITECTURAL
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SEATTLE, WA 98101
T 206.576.1600

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EAST HOSPITAL
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REV.	DATE	REASON FOR ISSUE

TYPICAL MOUNTING HEIGHTS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER A0.03

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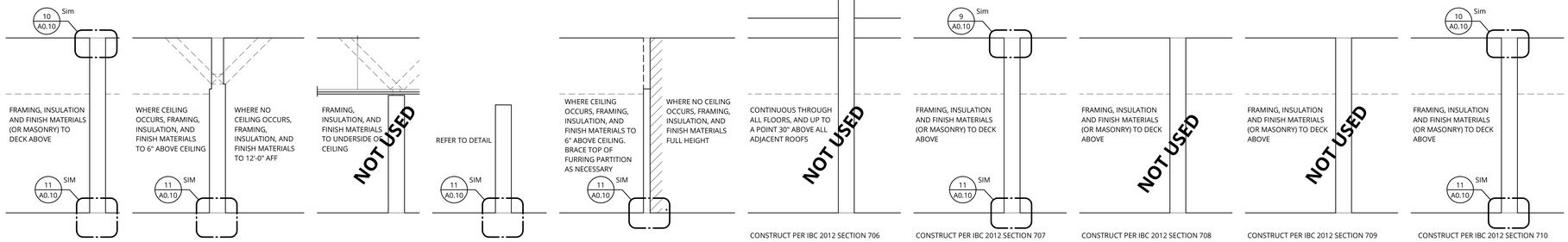
ASSEMBLY TYPE, SEE SHEET A0.10 INTERIOR ASSEMBLIES

STUD SIZE INDICATOR:
1 = 1 1/2"
2 = 2 1/2"
3 = 3 5/8"
4 = 4"
6 = 6"

_ _|_ _

ASSEMBLY CONFIGURATION, SEE DETAIL 1/A0.10

PARTITION TAG



_ _|A — FULL-HEIGHT PARTITION

_ _|B — PARTITION WITH PARTIAL-HEIGHT FINISH MATERIALS

_ _|C — PARTITION BRACED AT CEILING

_ _|D — PARTIAL-HEIGHT PARTITION

_ _|E — FURRING PARTITION

_ _|FW — FIRE WALL

_ _|FB — FIRE BARRIER

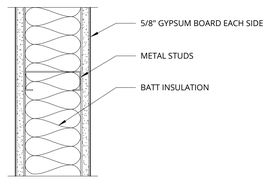
_ _|FP — FIRE PARTITION

_ _|SB — SMOKE BARRIER

_ _|SP — SMOKE PARTITION

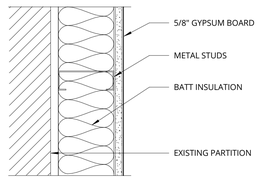
1 PARTITION CONFIGURATION

3/4" = 1'-0"



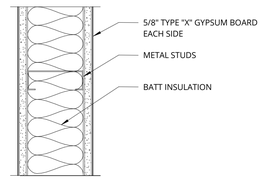
B3|_ _ — 3 5/8" METAL STUDS

NON-RATED ASSEMBLY



G3|_ _ — 2 1/2" METAL STUDS

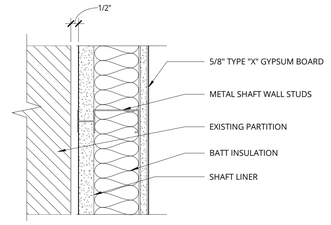
NON-RATED FURRING



N3|_ _ — 3 5/8" METAL STUDS

SMOKE PARTITION, NON-RATED - CONSTRUCT PER 2015 SBC SECTION 710. SMOKE ASSEMBLY TO BE CONTINUOUS FROM THE FLOOR TO THE UNDERSIDE OF GYPSUM CEILING ABOVE. PROVIDE SMOKE-TIGHT SEAL AT FLOOR AND CEILING.

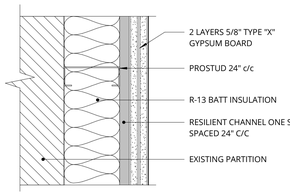
SMOKE PARTITION



Q2|_ _ — 2 1/2" METAL SHAFT WALL STUDS

CONSTRUCT PER UL DESIGN NO U415

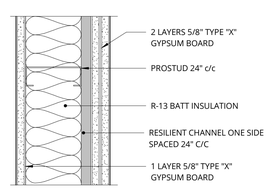
1 HR SHAFT WALL ASSEMBLY



X3|_ _ — 3 5/8" METAL STUDS

INTENT IS FOR ACOUSTIC PERFORMANCE TO MEET STANDARDS OF SOUND TRANSMISSION LOSS TEST REPORT NO. TL13-181 (STC 62)

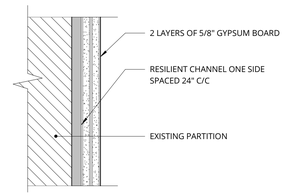
NON-RATED ASSEMBLY - ACOUSTIC



Y3|_ _ — 3 5/8" METAL STUDS

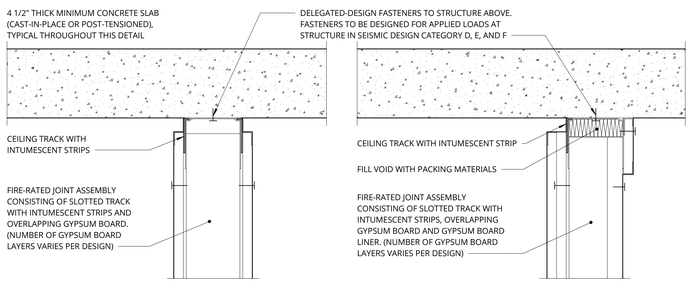
INTENT IS FOR ACOUSTIC PERFORMANCE TO MEET STANDARDS OF SOUND TRANSMISSION LOSS TEST REPORT NO. TL09-543 (STC 59)

NON-RATED ASSEMBLY - ACOUSTIC



Z1|_ _ — 1/2" RESILIENT FURRING CHANNEL

NON-RATED FURRING - ACOUSTIC



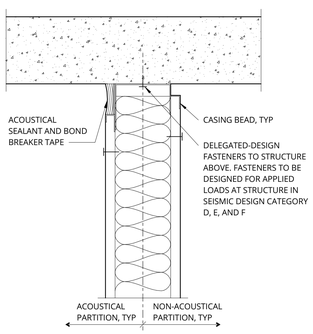
A SECTION ACROSS PARTITION
1HR AND 2HR FIRE-RATINGS, CONSTRUCT PER UL DESIGN HW-D-0581

B SECTION ACROSS SHAFT WALL PARTITIONS
1HR AND 2HR FIRE-RATINGS, CONSTRUCT PER UL DESIGN HW-D-0585

GENERAL NOTE:
MAINTAIN DEFLECTION CAPACITY AND FIRE-RATING AT ALL STRUCTURAL MEMBERS

9 INTERSECTION OF FIRE-RATED PARTITION WITH CONCRETE SLAB

3" = 1'-0"



GENERAL NOTES:
20 GAGE MINIMUM DEEP LEG TRACK OR SLOTTED TRACK TO ALLOW 3/4" DEFLECTION. MAINTAIN DEFLECTION CAPACITY AND FIRE-RATING AT ALL STRUCTURAL MEMBERS

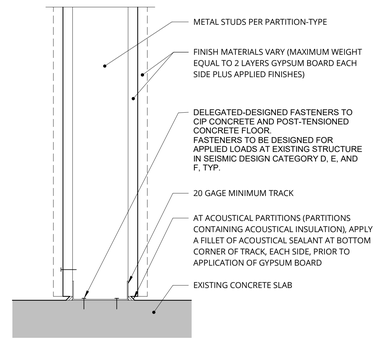
STUDS CUT 3/4" SHORT TO ALLOW 3/4" DEFLECTION

AT TOP OF FINISH MATERIALS (WHERE OCCURS) PROVIDE 3/4" CLEAR SPACE TO ALLOW 3/4" DEFLECTION. DO NOT SCREW FINISH MATERIALS INTO TOP TRACK - FASTEN INTO STUDS ONLY

AT PARTITIONS WITH ACOUSTICAL INSULATION, INSTALL GYPSUM BOARD 2" SHORT TO ACCOMMODATE LARGER ACOUSTICAL SEALANT JOINT NEEDED TO ACHIEVE 3/4" DEFLECTION

10 TOP OF NON-RATED PARTITION AT CONCRETE SLAB

3" = 1'-0"



11 PARTITION TO FLOOR CONNECTION

3" = 1'-0"

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HMC 8EH BURN UPGRADES - UW PROJECT #206970

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INTERIOR PARTITION TYPES

CONSTRUCTION DOCUMENTS

DATE 2/14/2020 | PROJECT NUMBER 191360

SHEET NUMBER **A0.10**

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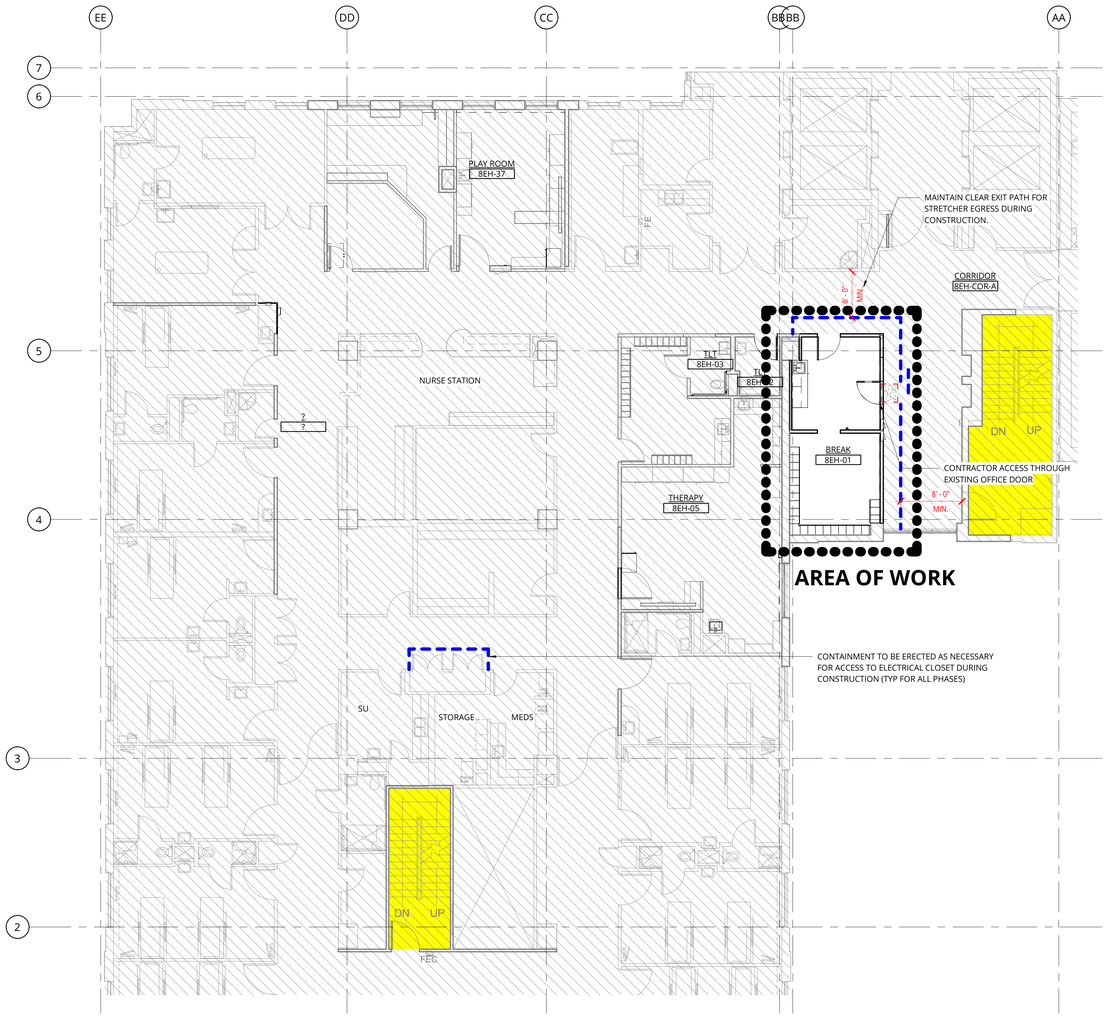
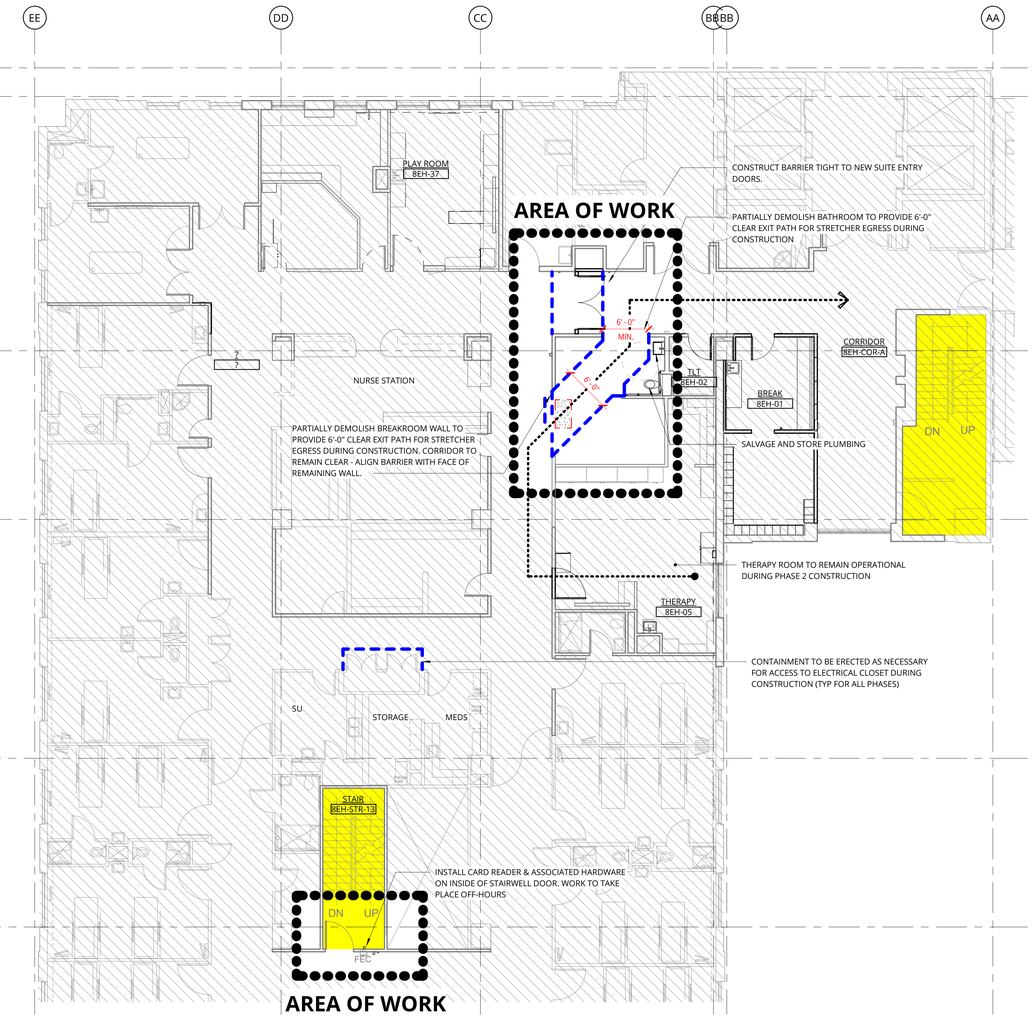


1 8th FLOOR PHASING PLAN - PHASE 1
1/8" = 1'-0"

TYPE OF CONSTRUCTION ACTIVITY: TYPE C
PATIENT RISK GROUP: Highest Risk
INFECTION CONTROL: CLASS III/IV

WORK IN PHASE 1

1. CONVERT OFFICE TO STAFF BREAKROOM



2 8th FLOOR PHASING PLAN - PHASE 2A
1/8" = 1'-0"

TYPE OF CONSTRUCTION ACTIVITY: TYPE C
PATIENT RISK GROUP: Highest Risk
INFECTION CONTROL: CLASS III/IV

WORK IN PHASE 2A

1. CONVERT 8EH TO CARE SUITES. INSTALL NEW ENTRY DOORS AND ADD CARD READER TO STAIRWELL DOOR 8EH-STR-13
2. INSTALL NEW SUITE ENTRY DOORS. PROVIDE PATH OF TRAVEL FOR STRETCHER THROUGHOUT ENTIRETY OF CONSTRUCTION

INFECTION CONTROL LEGEND

- TEAMPORARY INFECTION CONTROL BARRIER
- OFF-HOUR ONLY TEMPORARY INFECTION CONTOL BARRIER - TO BE INSTALLED DURING THE OFF-HOUR WORKING TIME PERIOD. CONTRACTOR TO REMOVE AT END OF EACH SHIFT. (OH — OH)
- EMERGENCY EGRESS PATH DURING CONSTRUCTION. CONTRACTOR TO KEEP EGRESS PATH CLEAR AND IDENTIFIED IN CASE OF EMERGENCY.
- GENERAL ACCESS DETOUR DURING CONSTRUCTION
- WORK TO OCCUR AFTER HOURS ONLY
- AREA OF NO WORK
- WALK-OFF MAT
- FIRE-RATED EGRESS STAIR ACCESSIBLE DURING CONSTRUCTION

INFECTION CONTROL, INTERIM LIFE SAFETY, AND PHASING PROTOCOLS

SCHEDULE AND PERFORM CONSTRUCTION OPERATIONS TO MINIMIZE NOISE, MECHANICAL AND ELECTRICAL SYSTEMS DISRUPTION, ACCESS AND COMMUNICATIONS DISRUPTIONS, AND CONSTRUCTION RELATED DEBRIS AND FUMES THAT COULD ADVERSELY AFFECT THE ONGOING OPERATIONS OF THE HOSPITAL IN ADJACENT SPACES DURING THE CONSTRUCTION PERIOD. IMPLEMENT THE FOLLOWING PROCEDURES AS A PRECAUTION TO PREVENT THE DISPERSAL OF DUST, MOLD, AND OTHER MICROORGANISMS.
AREAS OF RISK INVOLVE DUST AND MOISTURE INTRUSION, CONTROL OF CLEAN-TO-DIRTY AIRFLOW, INTERRUPTION OF UTILITY, AND BUILDING EQUIPMENT SERVICES AND COMMUNICATION REQUIREMENTS.

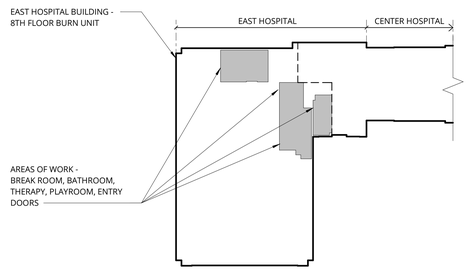
PROJECT REQUIREMENTS:

1. MAINTAIN EXITS TO PROVIDE FREE AND UNOBSTRUCTED EGRESS.
2. IF ALTERNATE EXITS ARE DESIGNATED, TRAIN PERSONNEL REGARDING EXIT PATHS.
3. MAINTAIN FREE AND UNOBSTRUCTED ACCESS FOR EMERGENCY SERVICES.
4. NOTIFY FIRE DEPARTMENT AND IMPLEMENT FIRE WATCH IF ANY PART OF THE FIRE ALARM, DETECTION, AND SUPPRESSION SYSTEMS ARE TO BE DOWN FOR MORE THAN 4 HOURS IN A 24 HOUR PERIOD.
5. INSTALL TEMPORARY CONSTRUCTION PARTITIONS OF SOLID, NONCUMBUSTIBLE MATERIALS THAT ARE SMOKE TIGHT.
6. PERMIT NO SMOKING NEAR CONSTRUCTION AREAS. UTILIZE STORAGE, HOUSEKEEPING, AND DEBRIS REMOVAL PRACTICES TO REDUCE FIRE-HAZARD TO LOWEST LEVEL.
7. MAINTAIN NEGATIVE AIR PRESSURE WITH HEPA FILTRATION IN ALL AREAS OF WORK. EXHAUST AIR TO OUTSIDE.
8. SEAL OFF OR FILTER VENTILATION, SEAL DOORS AND PENETRATIONS.
9. UTILIZE HEPA VACUUMS DURING WORK.
10. INSTALL DUST MATS AT ALL EXITS FROM WORK AREA AND TWO DUST MATS AT ALL WORK AREA ALCOVES.
11. CONTAIN CONSTRUCTION DEBRIS IN COVERED, APPROPRIATE CONTAINERS FOR TRANSPORT.
12. ESTABLISH LOW-RISK PATHWAYS FOR DEBRIS REMOVAL WITH WSH PRIOR TO THE START OF CONSTRUCTION.
13. CONSTRUCT WORK AREA ANTEROOM AND VACUUM ALL PERSONNEL PRIOR TO LEAVING WORK SPACE.
14. WEAR SHOE COVERS OR APPROPRIATE CLOTHING.
15. WET MOP AREA WITH DISINFECTANT UPON COMPLETION OF WORK.
16. PROVIDE AREA NOTIFICATION AS DIRECTED BY WSH.

PHASING NOTES:

1. AREAS OF PHASING ARE DIAGRAMMATIC ONLY. CONFIRM PHASING PROCEDURES WITH OWNER PRIOR TO START OF CONSTRUCTION.
2. REMOVE TEMPORARY CONSTRUCTION PARTITIONS AND DOORS ONCE EACH PHASE IS COMPLETE AND APPROVAL HAS BEEN PROVIDED BY OWNER.

KEYPLAN



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INFECTION CONTROL & PHASING PLANS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A0.25

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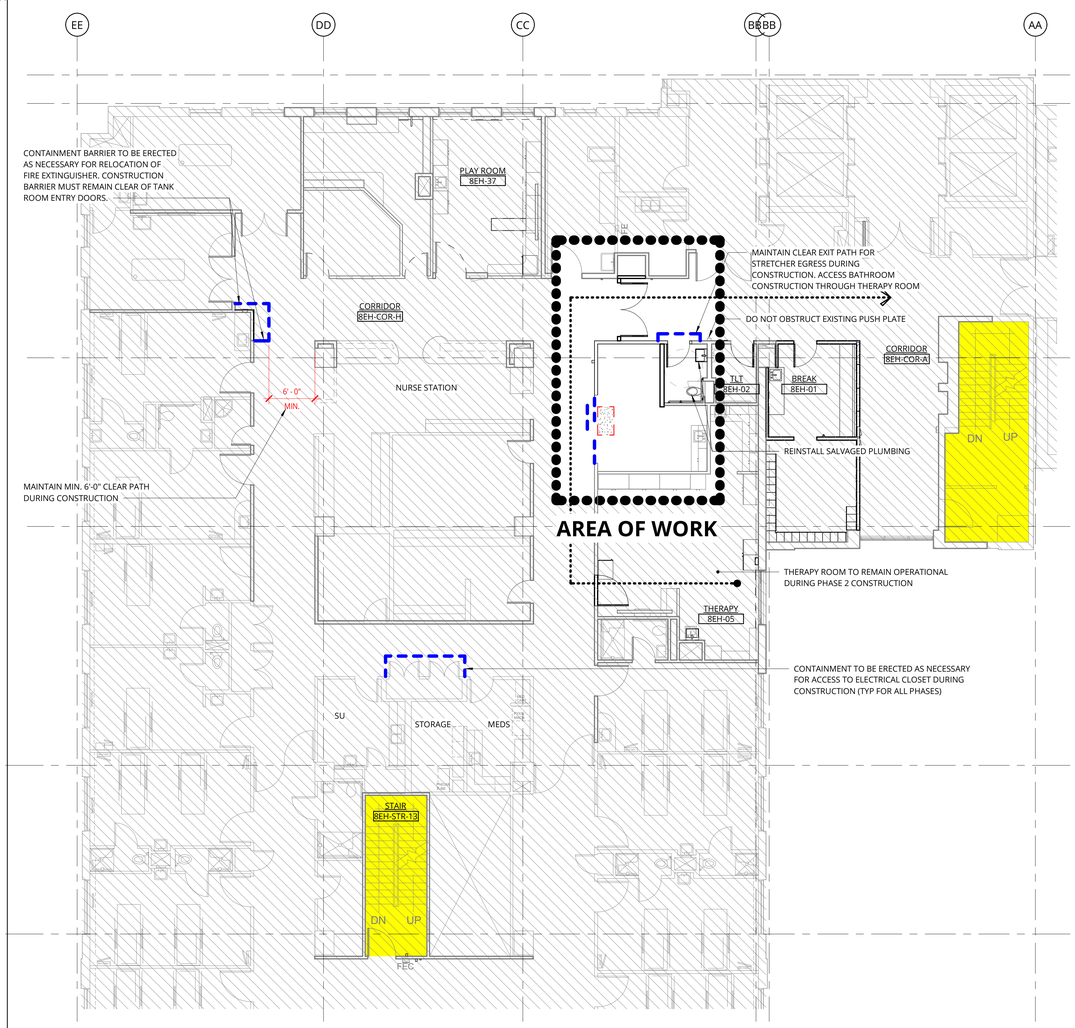
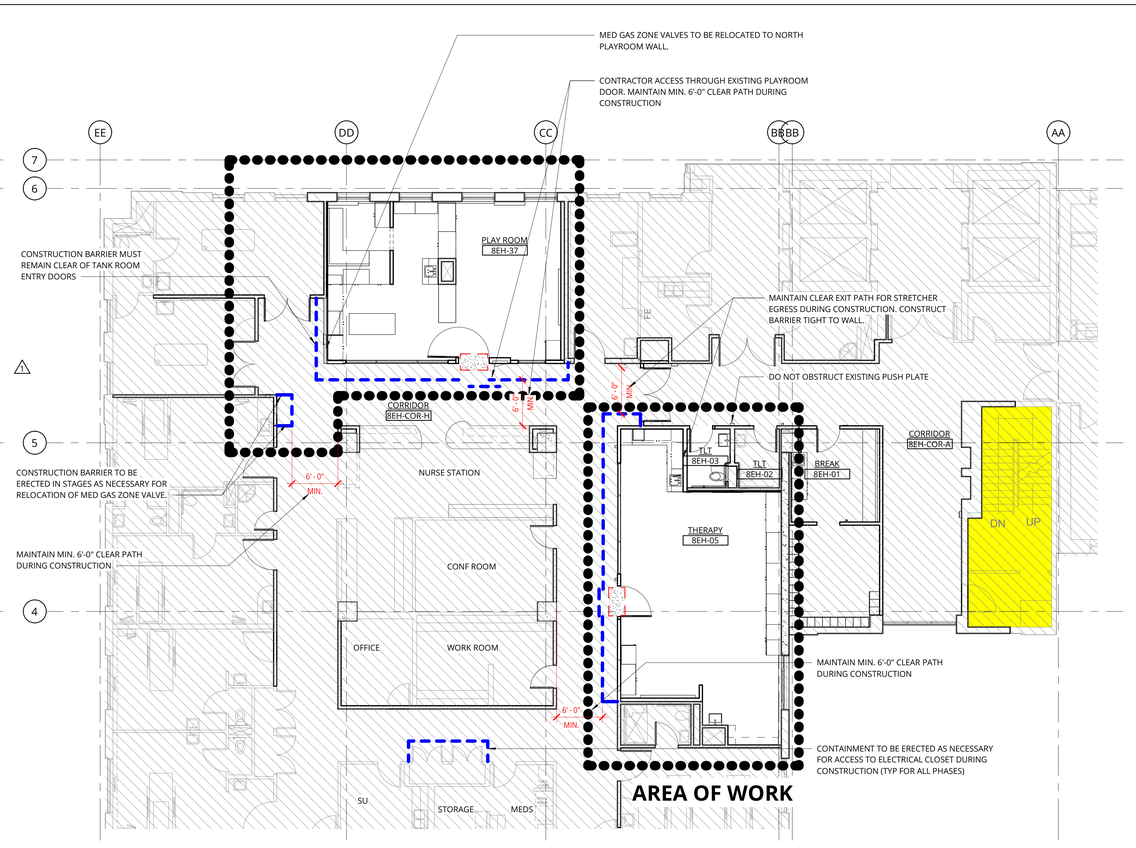


2 8th FLOOR PHASING PLAN - PHASE 2B
1/8" = 1'-0"

WORK IN PHASE 2B (AFTER SUCCESSFUL COMPLETION OF PHASE 2A)

1. COMPLETE RENOVATION OF STAFF BATHROOM 8EH-03.1
2. REPLACE DOOR FOR TOILET 8EH-02
3. RELOCATE FIRE EXTINGUISHER CABINET. WORK MUST BE DONE PRIOR TO RELOCATION OF MED GAS ZONE VALVE



1 8th FLOOR PHASING PLAN - PHASE 3
1/8" = 1'-0"

WORK IN PHASE 3

1. RELOCATE MED GAS ZONE VALVE. ENSURE LIMITED DISTURBANCE & SHUTDOWN OF TANK ROOM 8EH-33 AND PATIENT ROOM 8EH-32
2. COMPLETE RENOVATION OF THERAPY ROOM
3. CONVERT PLAYROOM & OFFICES TO LARGER PLAYROOM

TYPE OF CONSTRUCTION ACTIVITY: TYPE C
PATIENT RISK GROUP: Highest Risk
INFECTION CONTROL: CLASS III/IV

INFECTION CONTROL LEGEND

- TEAMPORARY INFECTION CONTROL BARRIER
- OFF-HOUR ONLY TEMPORARY INFECTION CONTOL BARRIER - TO BE INSTALLED DURING THE OFF-HOUR WORKING TIME PERIOD. CONTRACTOR TO REMOVE AT END OF EACH SHIFT. (OH ··· OH)
- EMERGENCY EGRESS PATH DURING CONSTRUCTION. CONTRACTOR TO KEEP EGRESS PATH CLEAR AND IDENTIFIED IN CASE OF EMERGENCY.
- GENERAL ACCESS DETOUR DURING CONSTRUCTION
- WORK TO OCCUR AFTER HOURS ONLY
- AREA OF NO WORK
- WALK-OFF MAT
- FIRE-RATED EGRESS STAIR ACCESSIBLE DURING CONSTRUCTION

INFECTION CONTROL, INTERIM LIFE SAFETY, AND PHASING PROTOCOLS

SCHEDULE AND PERFORM CONSTRUCTION OPERATIONS TO MINIMIZE NOISE, MECHANICAL AND ELECTRICAL SYSTEMS DISRUPTION, ACCESS AND COMMUNICATIONS DISRUPTIONS, AND CONSTRUCTION RELATED DEBRIS AND FUMES THAT COULD ADVERSELY AFFECT THE ONGOING OPERATIONS OF THE HOSPITAL IN ADJACENT SPACES DURING THE CONSTRUCTION PERIOD. IMPLEMENT THE FOLLOWING PROCEDURES AS A PRECAUTION TO PREVENT THE DISPERSAL OF DUST, MOLD, AND OTHER MICROORGANISMS.
AREAS OF RISK INVOLVE DUST AND MOISTURE INTRUSION, CONTROL OF CLEAN-TO-DIRTY AIRFLOW, INTERRUPTION OF UTILITY, AND BUILDING EQUIPMENT SERVICES AND COMMUNICATION REQUIREMENTS.

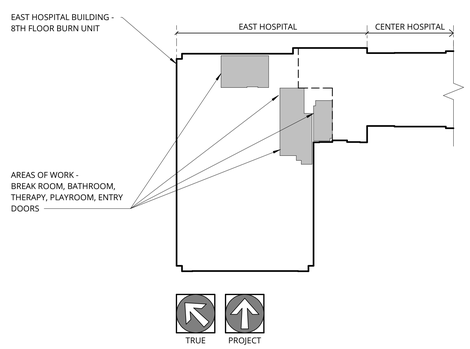
PROJECT REQUIREMENTS:

1. MAINTAIN EXITS TO PROVIDE FREE AND UNOBSTRUCTED EGRESS.
2. IF ALTERNATE EXITS ARE DESIGNATED, TRAIN PERSONNEL REGARDING EXIT PATHS.
3. MAINTAIN FREE AND UNOBSTRUCTED ACCESS FOR EMERGENCY SERVICES.
4. NOTIFY FIRE DEPARTMENT AND IMPLEMENT FIRE WATCH IF ANY PART OF THE FIRE ALARM, DETECTION, AND SUPPRESSION SYSTEMS ARE TO BE DOWN FOR MORE THAN 4 HOURS IN A 24 HOUR PERIOD.
5. INSTALL TEMPORARY CONSTRUCTION PARTITIONS OF SOLID, NONCUMBUSTIBLE MATERIALS THAT ARE SMOKE TIGHT.
6. PERMIT NO SMOKING NEAR CONSTRUCTION AREAS. UTILIZE STORAGE, HOUSEKEEPING, AND DEBRIS REMOVAL PRACTICES TO REDUCE FIRE-HAZARD TO LOWEST LEVEL.
7. MAINTAIN NEGATIVE AIR PRESSURE WITH HEPA FILTRATION IN ALL AREAS OF WORK. EXHAUST AIR TO OUTSIDE.
8. SEAL OFF OR FILTER VENTILATION, SEAL DOORS AND PENETRATIONS.
9. UTILIZE HEPA VACUUMS DURING WORK.
10. INSTALL DUST MATS AT ALL EXITS FROM WORK AREA AND TWO DUST MATS AT ALL WORK AREA ALCOVES.
11. CONTAIN CONSTRUCTION DEBRIS IN COVERED, APPROPRIATE CONTAINERS FOR TRANSPORT.
12. ESTABLISH LOW-RISK PATHWAYS FOR DEBRIS REMOVAL WITH WSH PRIOR TO THE START OF CONSTRUCTION.
13. CONSTRUCT WORK AREA ANTEROOM AND VACUUM ALL PERSONNEL PRIOR TO LEAVING WORK SPACE.
14. WEAR SHOE COVERS OR APPROPRIATE CLOTHING.
15. WET MOP AREA WITH DISINFECTANT UPON COMPLETION OF WORK.
16. PROVIDE AREA NOTIFICATION AS DIRECTED BY WSH.

PHASING NOTES:

1. AREAS OF PHASING ARE DIAGRAMMATIC ONLY. CONFIRM PHASING PROCEDURES WITH OWNER PRIOR TO START OF CONSTRUCTION.
2. REMOVE TEMPORARY CONSTRUCTION PARTITIONS AND DOORS ONCE EACH PHASE IS COMPLETE AND APPROVAL HAS BEEN PROVIDED BY OWNER.

KEYPLAN



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ARCHITECTURAL
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SEATTLE, WA 98101
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REV.	DATE	REASON FOR ISSUE
1	1/16/2020	DOH Comments

INFECTION CONTROL & PHASING PLANS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A0.26

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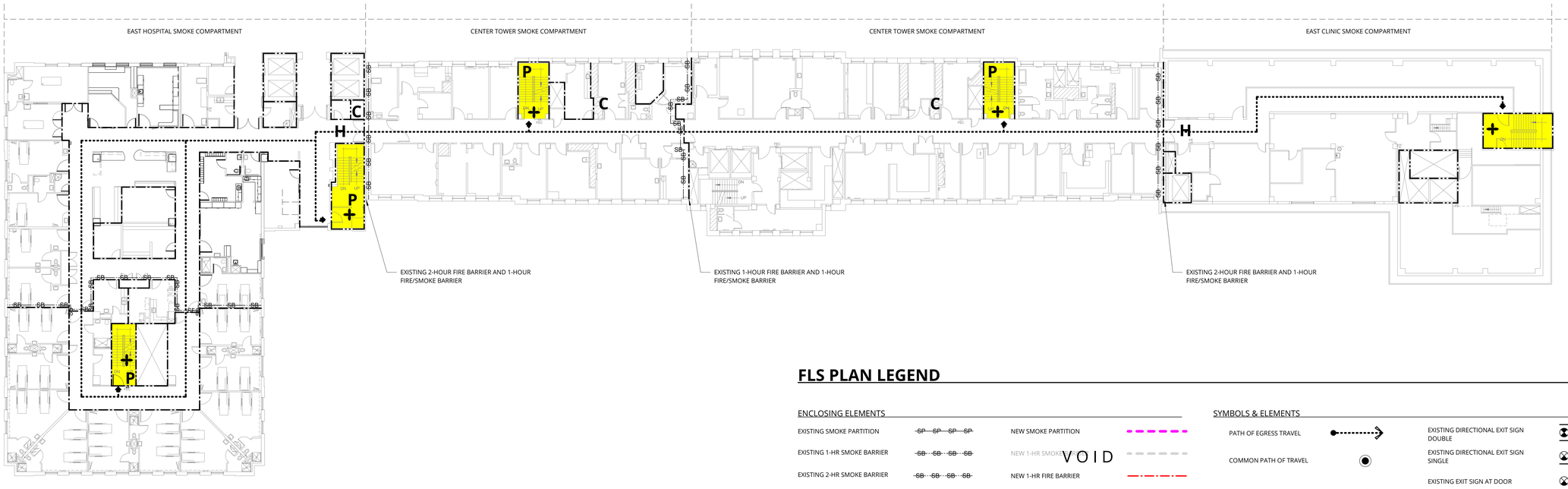


1 EXISTING 8TH FLOOR FIRE & LIFE SAFETY PLAN

1/16" = 1'-0"

REPRODUCTION OF EXISTING FLS PRODUCED BY HMC

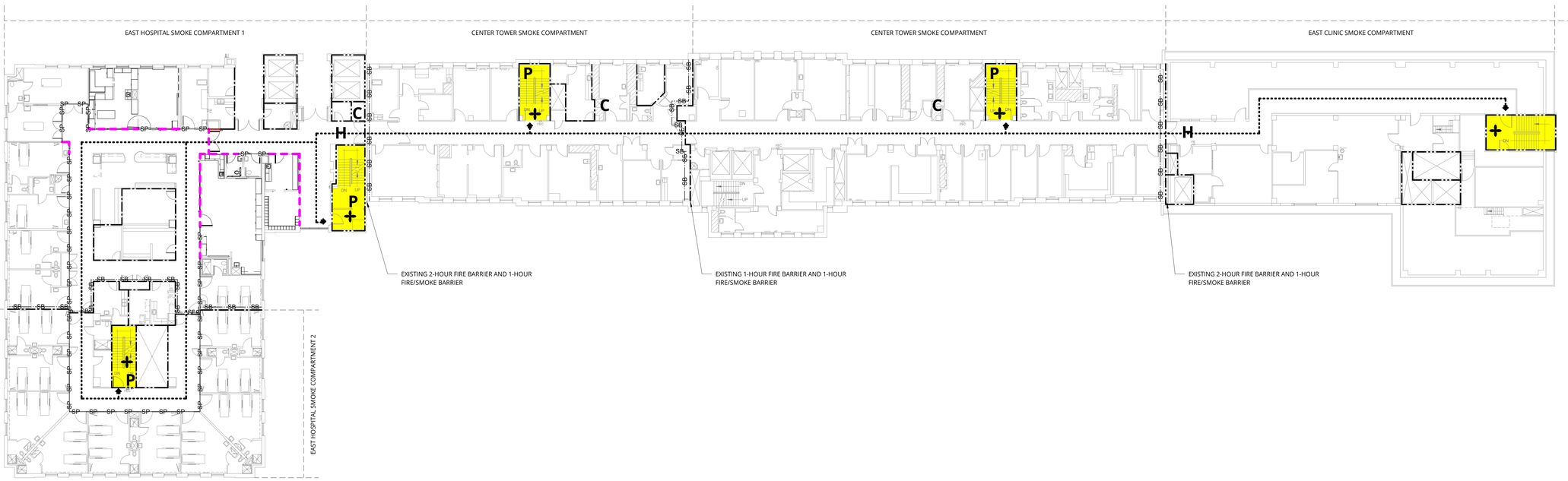
FLS PLAN LEGEND

ENCLOSING ELEMENTS

- EXISTING SMOKE PARTITION
- EXISTING 1-HR SMOKE BARRIER
- EXISTING 2-HR SMOKE BARRIER
- EXISTING 3-HR SMOKE BARRIER
- EXISTING FIRE/SMOKE BARRIER
- EXISTING 1-HR FIRE BARRIER
- EXISTING 2-HR FIRE BARRIER
- EXISTING 3-HR FIRE BARRIER
- NEW SMOKE PARTITION
- NEW 1-HR SMOKE BARRIER — VOID
- NEW 1-HR FIRE BARRIER
- NEW 2-HR FIRE BARRIER — VOID
- EXISTING EXIT STAIR

SYMBOLS & ELEMENTS

- PATH OF EGRESS TRAVEL
- COMMON PATH OF TRAVEL
- EXISTING EXIT
- EXIT ACCESS
- HORIZONTAL EXIT — H
- SMOKEPROOF ENCLOSURE (PRESSURIZED) — P
- REQUIRED EXIT ENCLOSURE
- EXISTING DIRECTIONAL EXIT SIGN DOUBLE
- EXISTING DIRECTIONAL EXIT SIGN SINGLE
- EXISTING EXIT SIGN AT DOOR
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER CABINET SEMI RECESSED
- LIFE SAFETY SUMMARY TAG (GROUP B; SQUARE FT X; OCC LOAD =X/Y)
- EXISTING OCCUPANT LOAD FACTOR
- EXISTING OCCUPANT LOAD



2 PROPOSED 8TH FLOOR FIRE & LIFE SAFETY PLAN

1/16" = 1'-0"

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SEATTLE, WA 98101
T 206.576.1600

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325 9TH AVENUE
SEATTLE, WA 98104
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REV.	DATE	REASON FOR ISSUE
1	1/16/2020	DOH Comments
2	2/7/2020	DOH Comments r01

OVERALL FIRE AND LIFE SAFETY PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER A1.09

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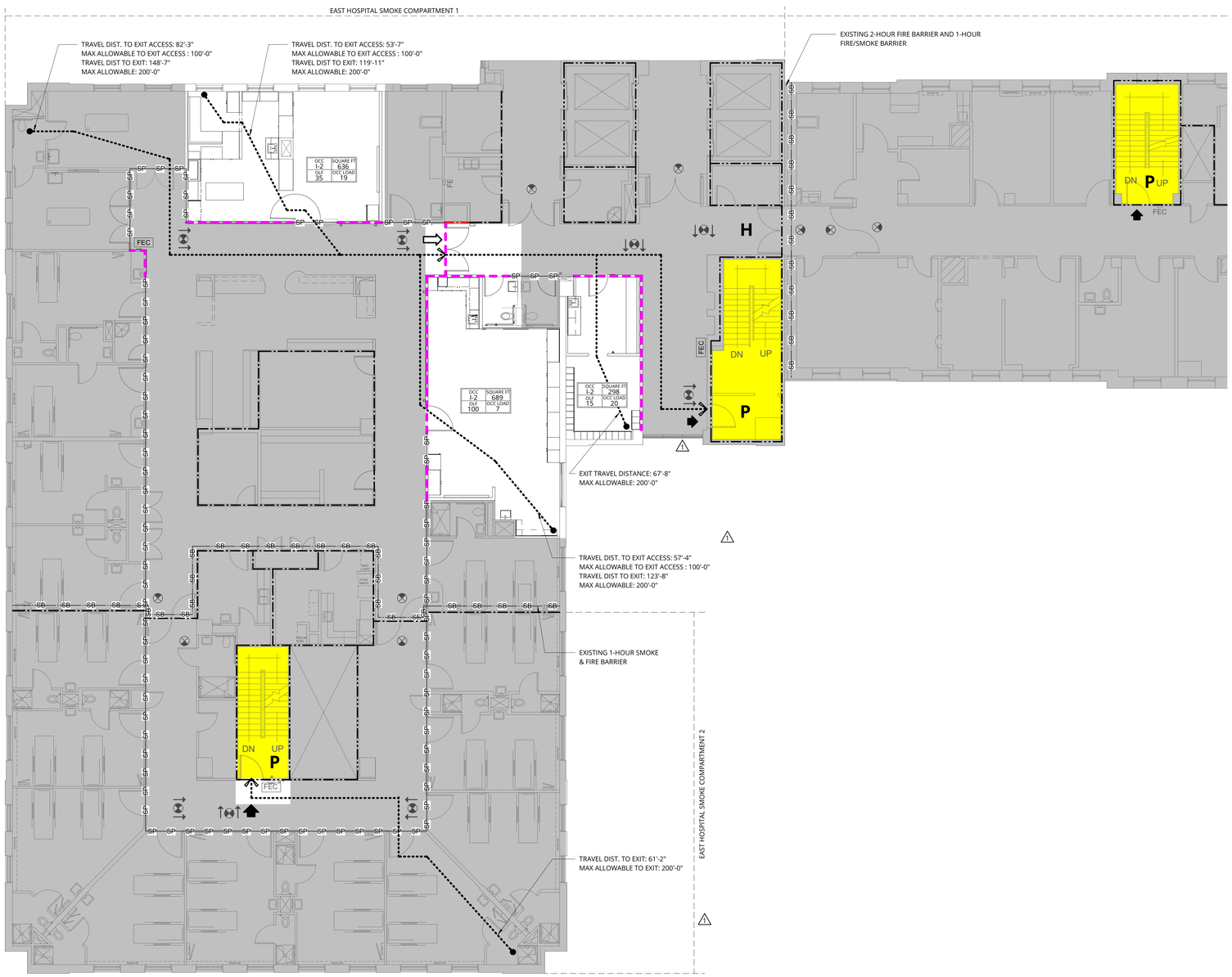


1 LEVEL 8 FIRE & LIFE SAFETY
1/8" = 1'-0"

OCCUPANCY NOTES

PRIMARY BUILDING OCCUPANCY IS EXISTING INSTITUTIONAL I-2 OCCUPANCY.
LEVEL 8 IN BUILDING IS EXISTING HOSPITAL I-2 OCCUPANCY.
NO CHANGE IN EXISTING USE OR EXISTING OCCUPANCY.
NO CHANGE IN OVERALL OCCUPANT LOAD
NO CHANGE IN EXIT PATH

LIFE SAFETY SUMMARY

CORRIDOR WALLS:
1. ALL CORRIDOR WALLS MEET THE REQUIREMENTS OF SBC SECTION 710 SMOKE PARTITIONS

TRAVEL DISTANCES:
1. MAXIMUM COMMON PATH OF TRAVEL (2015 SBC TABLE 1006.2.1) = 75'-0"
2. MAXIMUM ALLOWED EXIT ACCESS TRAVEL DISTANCE (2015 SBC TABLE 1017.2) = 200'-0"

FLS PLAN LEGEND

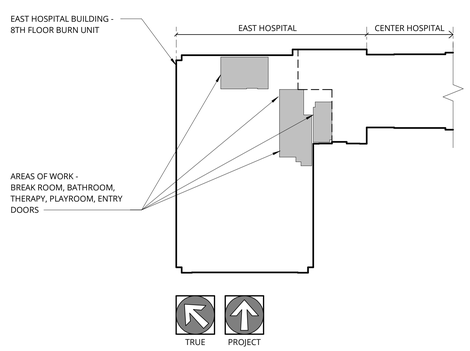
ENCLOSING ELEMENTS

- EXISTING SMOKE PARTITION
- EXISTING 1-HR SMOKE BARRIER
- EXISTING 2-HR SMOKE BARRIER
- EXISTING 3-HR SMOKE BARRIER
- EXISTING FIRE/SMOKE BARRIER
- EXISTING 1-HR FIRE BARRIER
- EXISTING 2-HR FIRE BARRIER
- EXISTING 3-HR FIRE BARRIER
- NEW SMOKE PARTITION
- NEW 1-HR SMOKE BARRIER VOID
- NEW 1-HR FIRE BARRIER
- NEW 2-HR FIRE BARRIER VOID
- EAST HOSPITAL CARE SUITE 1
- EAST HOSPITAL CARE SUITE 2
- EXISTING EXIT STAIR
- NOT IN SCOPE

SYMBOLS & ELEMENTS

- PATH OF EGRESS TRAVEL
- COMMON PATH OF TRAVEL
- EXISTING EXIT
- EXIT ACCESS
- HORIZONTAL EXIT (H)
- SMOKEPROOF ENCLOSURE (PRESSURIZED) (P)
- REQUIRED EXIT ENCLOSURE
- EXISTING DIRECTIONAL EXIT SIGN DOUBLE
- EXISTING DIRECTIONAL EXIT SIGN SINGLE
- EXISTING EXIT SIGN AT DOOR
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER CABINET SEMI RECESSED
- LIFE SAFETY SUMMARY TAG (GROUP B, OCC LOAD = X/Y/Y)
- EXISTING OCCUPANT LOAD FACTOR
- EXISTING OCCUPANT LOAD

KEYPLAN



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FIRE AND LIFE SAFETY PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER A1.10

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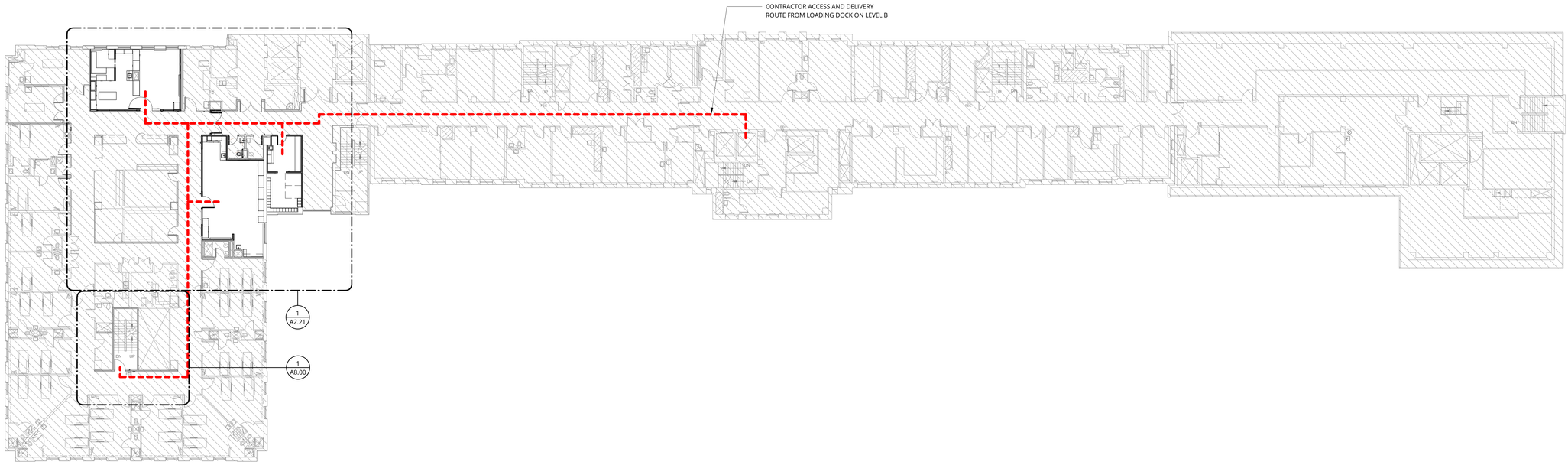

1 8th FLOOR PLAN - OVERALL
1/16" = 1'-0"

TRUE PROJECT

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8th FLOOR OVERALL FLOOR PLAN

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
A2.01

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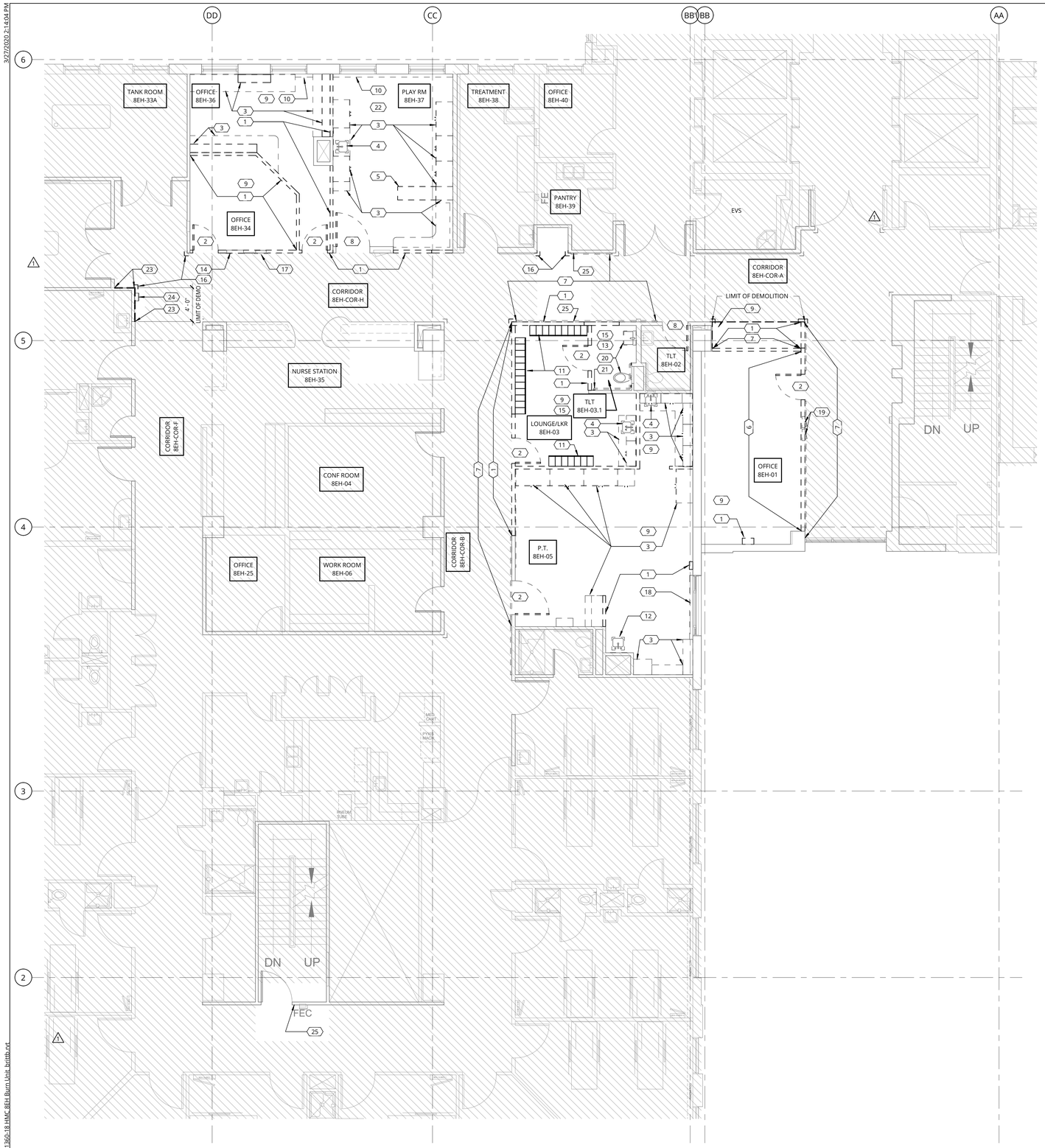


1 8th FLOOR PLAN - DEMOLITION

3/16" = 1'-0"

DEMOLITION GENERAL NOTES

1. CONDUCT DEMOLITION TO AVOID DAMAGE TO EXISTING BUILDING SHELL/STRUCTURE. CEASE OPERATION AND NOTIFY OWNER IMMEDIATELY IF SHELL/STRUCTURE APPEARS TO BE COMPROMISED.
2. CAREFULLY REMOVE AND PROTECT COMPONENTS CLAIMED FOR SALVAGE PRIOR TO DEMOLITION.
3. REMOVE POWER SIGNAL, SWITCHING & OTHER PERTINENT ITEMS FROM WALLS TO BE DEMOLISHED BACK TO ASSOCIATED PANELS. SEE ELECTRICAL DRAWINGS.
4. PROTECT EXISTING MATERIALS, FINISHES, AND DEVICES TO REMAIN DURING DEMOLITION. PATCH/REPAIR EXISTING GYPSUM WALL BOARD TO REMAIN AT AREAS OF DEMOLITION. PATCH TO PROVIDE SMOOTH, PAINTABLE FINISH.
5. PARTITIONS, DOORS, RELITES & ITEMS SHOWN AS DASHED ARE TO BE REMOVED OR RELOCATED.
6. WHERE WALLS AND CEILINGS ARE NOTED FOR DEMOLITION, DEMOLITION INCLUDES ALL ITEMS HUNG ON OR SUPPORTED BY THE WALL OR CEILING, INCLUDING, BUT NOT LIMITED TO, FIXTURES, CURTAIN TRACKS, MIRRORS, ARTWORK, AND COAT HOOKS.
7. REMOVE FLOORING, TRANSITION STRIPS, AND OTHER FLOOR FINISH ASSOCIATED ITEMS AS INDICATED TO THE BARE SLAB. PREP SLAB ACCORDING TO SPECIFIED PRODUCT MANUFACTURER'S INSTRUCTIONS FOR NEW FINISH.
8. SALVAGE EXISTING SIGNAGE AND TURN OVER TO THE OWNER.
9. SALVAGE FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS FOR REUSE. SEE FLOOR PLAN FOR NEW LOCATION. REPAIR/REFINISH CABINET TO LIKE NEW CONDITION. REPLACE FIRE EXTINGUISHER IF REQUIRED.
10. SCHEDULE AND COORDINATE CORE DRILLING, DEMOLITION SAW CUTTING, WALL DEMOLITION AND OTHER VIBRATION-CAUSING ACTIVITIES WITH OWNER. PERFORM NO DEMOLITION WITHOUT A REPRESENTATIVE OF THE GENERAL CONTRACTOR ON SITE. UTILITY SHUTDOWN REQUESTS MUST BE APPROVED BY THE OWNER.
11. DO NOT REMOVE UNFORESEEN STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING ELEMENTS WITHOUT PRIOR APPROVAL OF OWNER.
12. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DEMOLITION ON OTHER FLOORS NECESSARY FOR COMPLETION OF THIS WORK.
13. PROTECT EXISTING SPRINKLER SYSTEM AND FIRE ALARM SYSTEM COMPONENTS TO REMAIN.
14. SEE FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD RELOCATION AND NEW SPRINKLER HEAD WORK.
15. UNO, SALVAGE EXISTING SECURITY MIRRORS THROUGHOUT AREA OF WORK.
16. ALL EXISTING EQUIPMENT IN THERAPY ROOM TO BE SALVAGED FOR REINSTALLATION.
17. UNO, SALVAGE EXISTING SIGNAGE AND TURN OVER TO OWNER FOR STORAGE.

DEMOLITION PLAN AND RCP LEGEND

AREA NOT IN SCOPE

KEYNOTE — 1

EXISTING TO REMAIN

WALL/ DOOR OR ITEM TO BE REMOVED

SUSPENDED CEILING SYSTEM TO REMAIN

SUSPENDED CEILING SYSTEM TO BE REMOVED

EXISTING 1x4 LIGHT FIXTURE TO REMAIN

1x4 LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL

EXISTING HVAC SUPPLY TO REMAIN

HVAC SUPPLY TO BE REMOVED, SEE MECHANICAL

EXISTING 2x2 LIGHT FIXTURE TO REMAIN

GYPSUM CEILING TO REMAIN

GYPSUM CEILING TO BE REMOVED

2x2 LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL

EXISTING 2x4 LIGHT FIXTURE TO REMAIN

2x4 LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL

EXISTING SPRINKLER HEAD TO REMAIN

EXISTING CEILING SPEAKER TO REMAIN

CEILING SPEAKER TO BE REMOVED, SEE ELECTRICAL

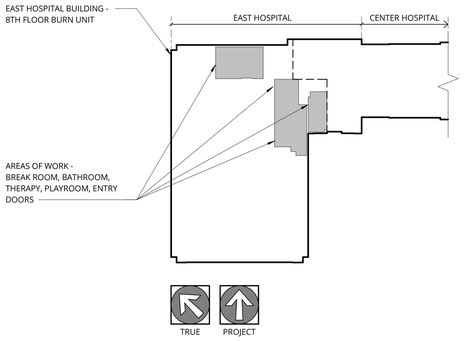
EXISTING HVAC RETURN TO REMAIN

HVAC RETURN TO BE REMOVED, SEE MECHANICAL

DEMOLITION PLAN KEYNOTES

1	DEMO WALL AND ALL APPURTENANCES. CAP UNUSED UTILITY LINES AS DIRECTED BY MEP DEMO DRAWINGS. PATCH AND REPAIR ADJACENT SURFACES AS REQUIRED TO BE SMOOTH, PAINTABLE SURFACES (TYP).
2	DEMO EXISTING DOOR, FRAME, AND HARDWARE
3	DEMO EXISTING CASEWORK
4	DEMO EXISTING PLUMBING FIXTURE. REMOVE UNUSED PLUMBING LINES BACK TO THE SOURCE. REFER TO MEP DRAWINGS FOR EXTENT OF DEMOLITION
5	AQUARIUM TO BE REMOVED BY OTHERS
6	DEMO WALL TO ACCOMMODATE NEW CLERESTORY WINDOW AND NEW PERIMETER SUPPORT FRAMING. SEE ELEV 1/A7.01
7	DEMO EXISTING CHAIR RAIL
8	REMOVE EXISTING DOOR AND FRAME. PREP OPENING FOR NEW DOOR AND FRAME
9	DEMO EXISTING RESILIENT FLOORING AND RUBBER BASE
10	DEMO EXISTING RADIATIOR. REFER TO MEP DRAWINGS FOR EXTENT OF DEMOLITION
11	DEMO EXISTING LOCKERS
12	DEMO EXISTING SINK. EXISTING PLUMBING LINES TO REMAIN FOR REUSE
13	DEMO EXISTING TILE FLOORING, BASE, AND WALL TILE
14	RELOCATE EXISTING MED GAS ZONE ALARMS. SEE MEP AND A2.21 FOR NEW LOCATION
15	DEMO EXISTING WALL MOUNTED ACCESSORIES
16	DEMO EXISTING CORNERGUARD
17	RELOCATE EXISTING MED GAS ZONE VALVE
18	EXISTING RADIATOR TO BE PROTECTED IN PLACE
19	DEMOLISH EXISTING ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS
20	EXISTING PLUMBING FIXTURES TO BE SALVAGED FOR REINSTALLATION
21	EXISTING GRAB BARS TO BE SALVAGED FOR REINSTALLATION
22	DEMO EXISTING SHEET VINYL FLOORING AND BASE
23	REMOVE GYPSUM FROM CORRIDOR SIDE OF WALL AS REQUIRED TO HOST RELOCATED MED GAS ZONE VALVE AND FIRE EXTINGUISHER CABINET, LEAVING STUDS AND GYPSUM ON PATIENT SIDE INTACT. DEMOLITION TO OCCUR FROM CORRIDOR SIDE ONLY. DEMOLITION CANNOT IMPACT PATIENT ROOM.
24	EXISTING FEC AND ASSOCIATED SIGNAGE TO BE SALVAGED FOR REINSTALLATION. SEE A2.21 FOR NEW LOCATION
25	EXISTING WANDERGUARD SECURITY SYSTEM TO BE REMOVED. COMPONENTS TO BE RETURNED TO OWNER

KEYPLAN



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8th FLOOR DEMOLITION PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

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A2.11

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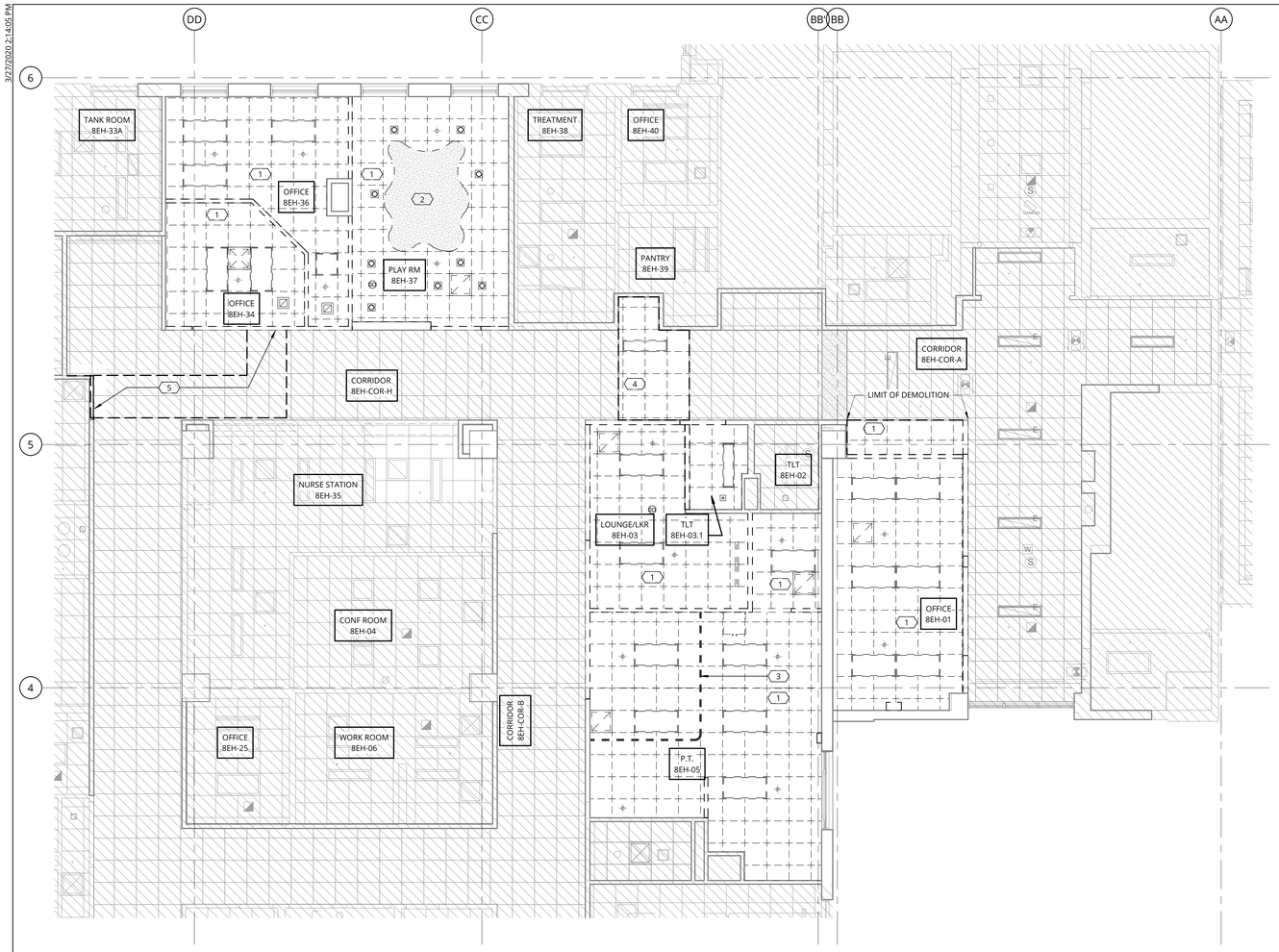


1 8th FLOOR - RCP DEMOLITION

3/16" = 1'-0"

DEMOLITION RCP KEYNOTES

1	DEMO EXISTING ACT CEILING
2	DEMO EXISTING GYPSUM CELIING
3	DEMO EXISTING CURTAIN TRACK
4	DEMO & REPLACE CEILING TILES AS NECESSARY TO ACCOMODATE NEW WALLS & DOOR
5	COORDINATE ABOVE-CEILING WORK REQUIRED FOR RELOCATION OF MED GAS ZONE VALVE WITH MECHANICAL. DAMAGED CEILING TILES TO BE REPLACED AS NECESSARY

DEMOLITION GENERAL NOTES

1. CONDUCT DEMOLITION TO AVOID DAMAGE TO EXISTING BUILDING SHELL/STRUCTURE. CEASE OPERATION AND NOTIFY OWNER IMMEDIATELY IF SHELL/STRUCTURE APPEARS TO BE COMPROMISED.
2. CAREFULLY REMOVE AND PROTECT COMPONENTS CLAIMED FOR SALVAGE PRIOR TO DEMOLITION.
3. REMOVE POWER SIGNAL, SWITCHING & OTHER PERTINENT ITEMS FROM WALLS TO BE DEMOLISHED BACK TO ASSOCIATED PANELS. SEE ELECTRICAL DRAWINGS.
4. PROTECT EXISTING MATERIALS, FINISHES, AND DEVICES TO REMAIN DURING DEMOLITION. PATCH/REPAIR EXISTING GYPSUM WALL BOARD TO REMAIN AT AREAS OF DEMOLITION. PATCH TO PROVIDE SMOOTH, PAINTABLE FINISH.
5. PARTITIONS, DOORS, RELITES & ITEMS SHOWN AS DASHED ARE TO BE REMOVED OR RELOCATED.
6. WHERE WALLS AND CEILINGS ARE NOTED FOR DEMOLITION, DEMOLITION INCLUDES ALL ITEMS HUNG ON OR SUPPORTED BY THE WALL OR CEILING, INCLUDING, BUT NOT LIMITED TO, FIXTURES, CURTAIN TRACKS, MIRRORS, ARTWORK, AND COAT HOOKS.
7. REMOVE FLOORING, TRANSITION STRIPS, AND OTHER FLOOR FINISH ASSOCIATED ITEMS AS INDICATED TO THE BARE SLAB. PREP SLAB ACCORDING TO SPECIFIED PRODUCT MANUFACTURER'S INSTRUCTIONS FOR NEW FINISH.
8. SALVAGE EXISTING SIGNAGE AND TURN OVER TO THE OWNER.
9. SALVAGE FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS FOR REUSE. SEE FLOOR PLAN FOR NEW LOCATION. REPAIR/REFINISH CABINET TO LIKE NEW CONDITION. REPLACE FIRE EXTINGUISHER IF REQUIRED.
10. SCHEDULE AND COORDINATE CORE DRILLING, DEMOLITION SAW CUTTING, WALL DEMOLITION AND OTHER VIBRATION-CAUSING ACTIVITIES WITH OWNER. PERFORM NO DEMOLITION WITHOUT A REPRESENTATIVE OF THE GENERAL CONTRACTOR ON SITE. UTILITY SHUTDOWN REQUESTS MUST BE APPROVED BY THE OWNER.
11. DO NOT REMOVE UNFORESEEN STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING ELEMENTS WITHOUT PRIOR APPROVAL OF OWNER.
12. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DEMOLITION ON OTHER FLOORS NECESSARY FOR COMPLETION OF THIS WORK.
13. PROTECT EXISTING SPRINKLER SYSTEM AND FIRE ALARM SYSTEM COMPONENTS TO REMAIN.
14. SEE FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD RELOCATION AND NEW SPRINKLER HEAD WORK.
15. UNO, SALVAGE EXISTING SECURITY MIRRORS THROUGHOUT AREA OF WORK.
16. ALL EXISTING EQUIPMENT IN THERAPY ROOM TO BE SALVAGED FOR REINSTALLATION.
17. UNO, SALVAGE EXISTING SIGNAGE AND TURN OVER TO OWNER FOR STORAGE.

DEMOLITION PLAN AND RCP LEGEND

AREA NOT IN SCOPE

KEYNOTE

EXISTING TO REMAIN

WALL/ DOOR OR ITEM TO BE REMOVED

SUSPENDED CEILING SYSTEM TO REMAIN

SUSPENDED CEILING SYSTEM TO BE REMOVED

EXISTING 1x4 LIGHT FIXTURE TO REMAIN

1x4 LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL

EXISTING HVAC SUPPLY TO REMAIN

HVAC SUPPLY TO BE REMOVED, SEE MECHANICAL

EXISTING 2x2 LIGHT FIXTURE TO REMAIN

GYPSUM CEILING TO REMAIN

GYPSUM CEILING TO BE REMOVED

2x2 LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL

EXISTING 2x4 LIGHT FIXTURE TO REMAIN

2x4 LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL

EXISTING SPRINKLER HEAD TO REMAIN

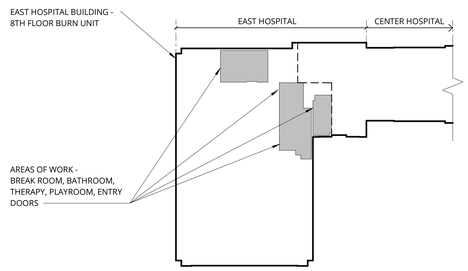
EXISTING CEILING SPEAKER TO REMAIN

CEILING SPEAKER TO BE REMOVED, SEE ELECTRICAL

EXISTING HVAC RETURN TO REMAIN

HVAC RETURN TO BE REMOVED, SEE MECHANICAL

KEYPLAN



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HMC 8EH BURN UPGRADES - UW PROJECT #206970

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REV.	DATE	REASON FOR ISSUE

8th FLOOR
DEMOLITION RCP

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A2.12

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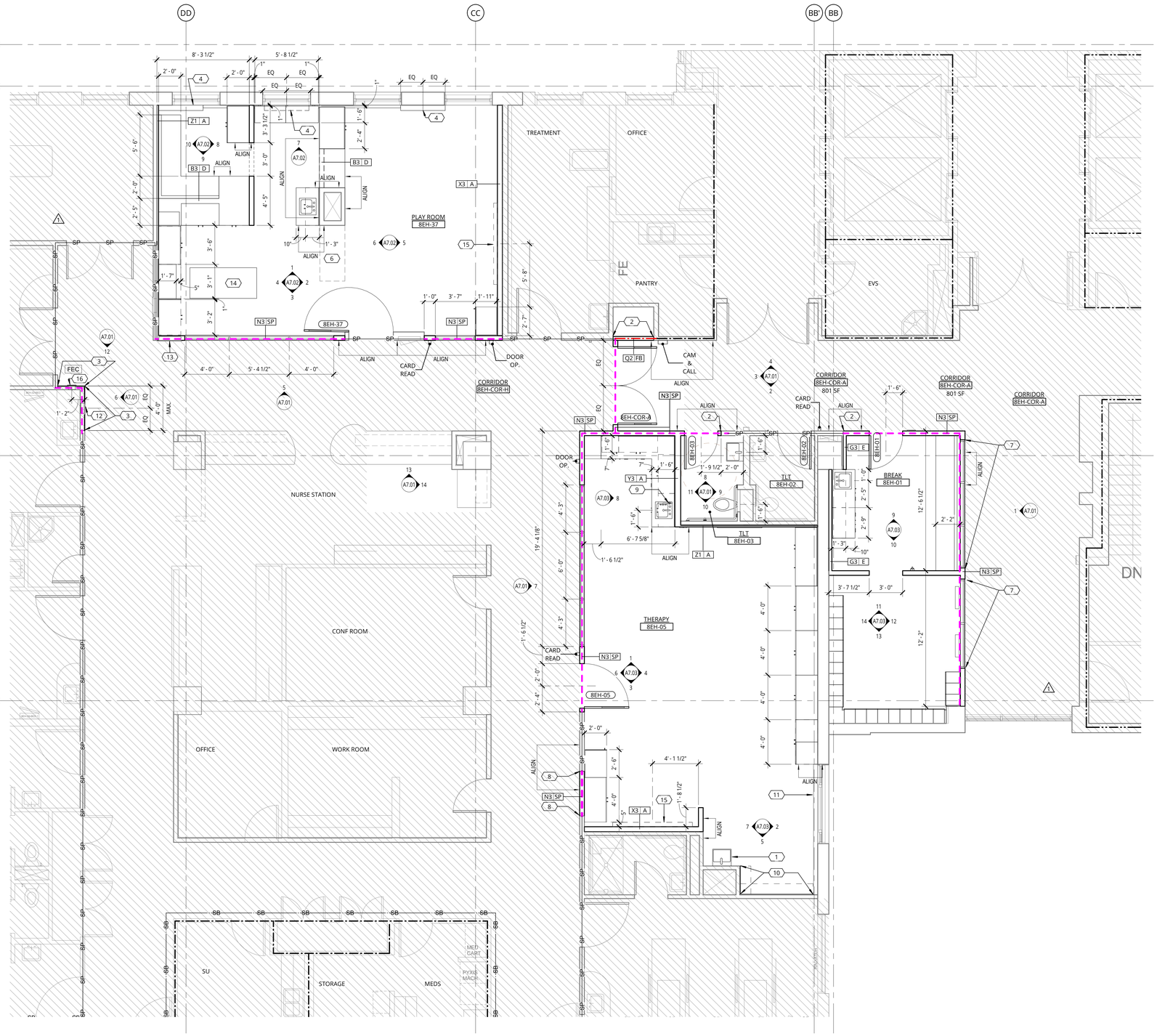


1 8th FLOOR PLAN

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. VERIFY ALL FIRE RATED WALLS HAVE COMPLETE ASSEMBLY AND RATING IS MAINTAINED THROUGHOUT CONSTRUCTION.
2. CORE DRILLS REQUIRE X-RAY SURVEYS OR SCANS LOCATING STEEL TENDONS AND REINFORCING IN EXISTING STRUCTURAL SLAB PRIOR TO CORING. EXISTING DATA AND PROPOSED CORE DRILL LOCATIONS TO BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO START OF CORING WORK.
3. FOLLOWING DEMOLITION AND NEW CONSTRUCTION: CONTRACTOR TO PATCH, REPAIR, OR REPLACE ALL FINISHES AFFECTED OR DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS PRIOR TO DEMOLITION.
4. UNLESS OTHERWISE NOTED, ALL NEW PARTITIONS TO BE B3 B
5. INSTALL SIGNAGE FOR EACH ROOM IN ACCORDANCE WITH OWNER'S SIGNAGE PACKAGE (APPENDIX D). OWNER IS RESPONSIBLE FOR FURNISHING SIGNAGE.
6. ABATEMENT ACTIVITIES MAY IMPACT WALLS UP TO 18" AFF. CONTRACTOR RESPONSIBLE FOR PATCHING AND REPAIRING AFFECTED WALLS, LEAVING SMOOTH, UNINTERRUPTED SURFACE. PAINT REPAIRED WALLS TO MATCH EXISTING.
7. PROVIDE BACKING FOR ALL WALL-HUNG EQUIPMENT AND FURNITURE

FLOOR PLAN SYMBOLS

AREA NOT IN SCOPE

EXISTING TO REMAIN

NEW WALL/ DOOR

GLASS RELITE

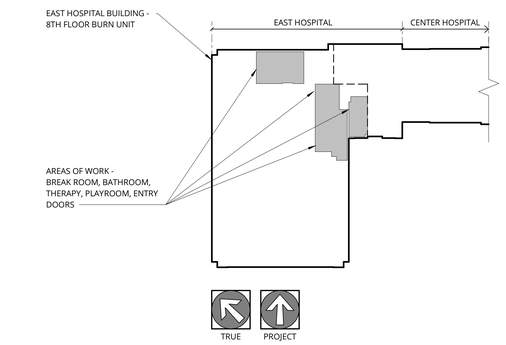
KEYNOTE 4

PARTITION TAG XX | XX
- ASSEMBLY - REFER TO SHEET A0.10
- PARTITION CONFIGURATION - REFER TO SHEET A1.10

FLOOR PLAN KEYNOTES

1	RE-USE EXISTING PLUMBING LINES. SEE MECHANICAL
2	MAINTAIN CONTINUITY OF RATING
3	MATCH EXISTING FIRE RATING, ACOUSTIC PROPERTIES, AND THICKNESS AT INFILL
4	NEW RADIATORS. SEE MEP
5	INTERACTIVE WALL. PROVIDE BACKING. SEE ELEC
6	AQUARIUM TO BE PROVIDED BY OTHERS
7	INSTALL NEW CLERESTORY WINDOW. REFER TO A6.01 FOR DIMENSIONS
8	INFILL WALL AT EXISTING DOOR
9	PROVIDE DECK MOUNTED EYEWASH ON SINK
10	SLATWALL STORAGE FOR CRUTCHES / CANES / WALKERS. SEE SPEC SECTION 09 74 26
11	EXISTING RADIATOR TO BE PROTECTED IN PLACE
12	RELOCATED MED GAS ZONE VALVE. SEE MEP
13	RELOCATED MED GAS ZONE ALARMS
14	DELEGATED DESIGN MEDICAL PLAY TABLE (2'-9"W x 6'-0"D, HEIGHT ADJUSTABLE FROM 21" – 30"); CONSTRUCT WITH COMPACT LAMINATE FINISHED SURFACE. DUAL FUNCTION TABLE - MUST HAVE ABILITY TO REVEAL OR CONCEAL CUSTOM GRAPHIC, AND BE DESIGNED FOR INTUITIVE AND USER-FRIENDLY EASE OF FUNCTIONAL SWITCH.
15	INTERACTIVE WALL. REFER TO ELEC AND APPENDIX F FOR CUTSHEETS AND CONNECTIONS
16	RELOCATED FEC & SIGNAGE

KEYPLAN



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REV.	DATE	REASON FOR ISSUE
1	1/16/2020	DOH Comments
2	2/7/2020	DOH Comments r01

8th FLOOR PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A2.21

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MATERIALS AND FINISHES SCHEDULE

ACT -1
ACOUSTICAL CEILING
MFG: ARMSTRONG
PRODUCT NAME: FINE FISSURED
ITEM NUMBER: 1728
SIZE: 24" X 24"
EDGE: SQUARE

BBT -1
RESILIENT FLOORING: BIO BASED FLOOR TILE
MFG: ARMSTRONG
PRODUCT NAME: MIGRATIONS BIO-BASED TILE 12x12
PRODUCT NUMBER: Z3548
COLOR NAME: VANILLA EXTRACT
SIZE: 12" X 12"

BBT-12
RESILIENT FLOORING: BIO BASED FLOOR TILE
MFG: ARMSTRONG
PRODUCT NAME: MIGRATIONS BIO-BASED TILE 12x12
SIZE: 12" X 12"
COLOR: USE HMC ATTIC STOCK
COMMENTS: USED TO PATCH AND REPLACE AS NECESSARY IN CORRIDORS

CC-1
CUBICLE CURTAINS
MFG: PALLAS
PRODUCT: WOODLAND
COLOR NAME: WOOD ACRE
SIZE: REFER TO DRAWINGS FOR SIZES OF CURTAINS

CG-1
CORNER GUARDS
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: CO-8
SIZE: 4'-0" HIGH, 3 1/2" LEGS
RADIUS: 3/16"
FINISH: STAINLESS STEEL, TYPE 304 WITH #4 SATIN FINISH
NOTE: ADHESIVE MOUNT

CG-2
CORNER GUARDS
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: SCO-8 END WALL
SIZE: FULL HEIGHT, 3 1/2" LEGS
RADIUS: 3/16"
FINISH: STAINLESS STEEL, TYPE 304 WITH #4 SATIN FINISH
NOTE: ADHESIVE MOUNT

CG -3
CORNER GUARDS
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: SM-20N CORNER GUARD
SIZE: 4'-0" HIGH, 3" LEGS
RADIUS: 1/4"
COLOR: MISSION WHITE

CR-1
CHAIR RAIL
MFG: CONSTRUCTION SPECIALTIES
COLOR: WHITE
COMMENTS: USE HMC ATTIC STOCK

CS-P-1
PAINT
MFG: MILLER PAINT
COLOR: 0025 PRISMATIC PEARL
FINISH: ACRO-PURE SEMI GLOSS
LOCATION: AT DOOR FRAMES & TRIM

CS-P-7
PAINT
MFG: MILLER PAINT
COLOR: 0027 WHITE FENCE
FINISH: SATIN
LOCATION: OVERALL FIELD PAINT

FB-1
UPHOLSTERY
MFG: MAHARAM
PATTERN: MISTER 466178
COLOR: CRICKET
LOCATION: PLAYROOM BANQUETTE
NOTES: REVIEW SEAMING AND DIRECTION FOR PATTERN REPEATS WITH ARCHITECT

FB-2
UPHOLSTERY
MFG: MOMENTUM
PATTERN: SILICA
COLOR: JEWEL
LOCATION: PLAYROOM SEATING

FB-3
UPHOLSTERY
MFG: WOLF GORDON
PATTERN: TRILATERAL GOH 12763286
COLOR: TURQUOISE
LOCATION: BREAKROOM BANQUETTE
NOTES: REVIEW SEAMING AND DIRECTION FOR PATTERN REPEATS WITH ARCHITECT

PHEN-1
PHENOLIC LOCKER FINISH
MFR: HOLLMAN
COLOR: MAPLE (CLEAR)

PLAM-2
PLASTIC LAMINATE
MFG: WILSONART
PATTERN/COLOR: 7909-60 FUSION MAPLE
FINISH: MATTE

PLAM-5
PLASTIC LAMINATE
MFG: WILSONART
PATTERN/COLOR: CUSTOM
FINISH: MATTE
COMMENTS: CUSTOM GRAPHIC FOR PLAYROOM TABLE

PWC-2
WALL PROTECTION
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: ACROVYN-4000
SIZE: 4'-0" X 10'-0" PANELS
COLOR: MISSION WHITE

PWC-5
WALL PROTECTION
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: ACROVYN BY DESIGN
SIZE: 4'-0" x 10'-0" PANELS
COLOR: CUSTOM
COMMENTS: CUSTOM WALL PROTECTION WITH MURAL GRAPHIC. REFER TO SHOP DRAWINGS FOR FINAL LAYOUT

R-1
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7046 DRIVE-IN
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-2
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7065 POOL PARTY
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-3
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7068 MINI GOLF
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-4
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7069 LEAP FROG
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-5
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7070 TENNIS MATCH
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-6
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7050 PETTING ZOO
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-7
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7052 SLEDDING
THICKNESS: 2mm
BASE: 6 INCH INTEGRAL COVE
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-8
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7049 SUMMER CAMP
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

R-9
RUBBER FLOOR
MFG: NORA
PRODUCT NAME: ENVIRONCARE
COLOR: 7051 SNOWBALL FIGHT
THICKNESS: 2mm
COMMENT: FLOORING TO CONTINUE ONTO WALL FOR 6" INTEGRAL COVE BASE. PATTERN, SEAMING, AND DIRECTION TO BE REVIEWED IN SHOP DRAWINGS

RB -1
RESILIIENT BASE
MFG: ROPPE
PRODUCT NAME: PINNACLE COVE RUBBER BASE
SIZE: 6"
COLOR: FAWN
NOTE: COVE AT BBT

SS-1
SOLID SURFACE
MFG: CORIAN
PATTERN/STYLE: TERRA COLLECTION
COLOR: CANVAS

SS-3
SOLID SURFACE
MFG: WILSONART
PATTERN/COLOR: 7909 FUSION MAPLE
FINISH: MATTE

SV-1
SHEET VINYL SAFETY FLOORING
MANUFACTURER: ALTRO
PRODUCT NAME: AQUARIUS
COLOR: TERRAPIN - AQI2009
WELD ROD: WR289
THICKNESS: 2mm
BASE: 6 INCH INTEGRAL COVE

SW-1
SLATWALL
MANUFACTURER: SPACEWALL WEST, INC
PRODUCT NAME: MDF WITH HIGH PRESSURE LAMINATE - HORIZONTAL
COLOR: WILSONART 7909 FUSION MAPLE
SIZE: 4'-0" x 8'-0" HORIZONTAL PANELS, TO BE CUT TO SIZE ON SITE
SPACING: 6" OC
INSERTS: OMNIWALL METAL INSERTS, MILL FINISH
COMMENTS: FINISH INSIDE CORNER AND OUTSIDE EDGES WITH TRIM STRIPS

T-3
TILE
MFG: CROSSVILLE
PRODUCT: LAMINAM/BLEND
PATTERN/COLOR: AVORIO L2048
GROUT: POLYBLEND NON-SANDED GROUT #172 URBAN PUTTY
SIZE: 1M X 3M
THICKNESS: 3.5MM
INSTALLATION: TILE TO BE SCORED AND SNAPPED TO SIZE ONSITE. DO NOT CUT TILE.

WD-3
LAMINATE DOOR COVERING
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: ACROVYN DOORS BY DESIGN
TYPE: CHAMELEON SIMULATED WOOD + METAL
COLOR: 372 CLASSIC MAPLE

WD-4
LAMINATE DOOR COVERING
MFG: CONSTRUCTION SPECIALTIES
PRODUCT NAME: ACROVYN DOORS BY DESIGN
TYPE: CUSTOM GRAPHIC IMAGE

WF-1
WINDOW FILM
MFG: DECORATIVE FILMS
PRODUCT: ULTRA-COOL 3560: SILVER HEAT REJECTION FILM
NOTE: APPLY FULL HEIGHT OF WINDOWS

WT-1
WINDOW TREATMENT
MFG: MARIAK ROLLER SHADE SHOP COLLECTION
MATERIAL: ECONOSCREEN 1%
COLOR: SANDSTONE 201
NOTES: 25% POLYESTER, 75% VINYL

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REV.	DATE	REASON FOR ISSUE

MATERIALS AND FINISHES SCHEDULE

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A3.01

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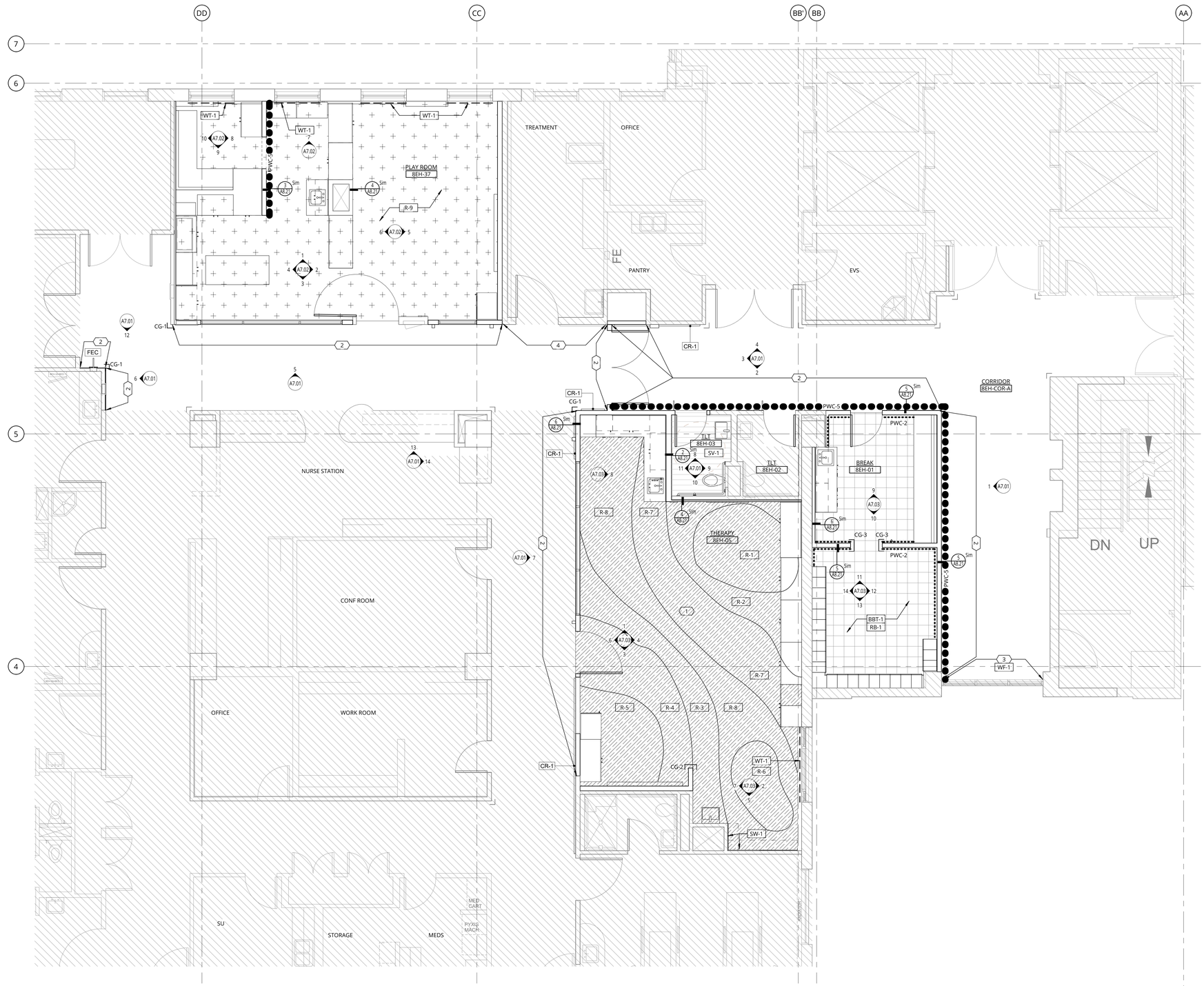


1 8th FLOOR FINISH PLAN

1/4" = 1'-0"

FINISH PLAN LEGEND

- R-1 thru R-8 RUBBER FLOOR
- R-9 RUBBER FLOOR
- BBT-1 BIO-BASED TILE FLOOR
- SV-1 SHEET VINYL FLOOR
- ACROVYN PWC-2
- ACROVYN BY DESIGN PWC-5
- WINDOW TREATMENT WT-1

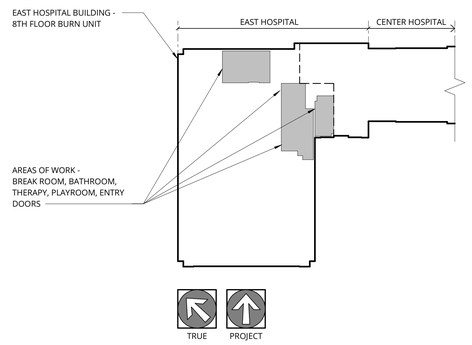
FINISH PLAN KEYNOTES

1	SCALE PATTERN TO PROVIDE FULL-SCALE OUTPUT FOR PRODUCTION. PROVIDE SHOP DRAWINGS FOR FINAL ARCHITECTURAL REVIEW OF COLOR, SEAMS AND DIRECTION PRIOR TO INSTALLATION
2	IN AREAS INCURRING DAMAGE, PATCH FLOOR TO MATCH EXISTING; REFER TO BBT-12 ON A3.01 FOR MATERIAL. EXISTING TILE TO BE CUT CLEANLY TO AVOID CHATTER AT EDGE.
3	WINDOW FILM TO BE APPLIED TO FULL HEIGHT OF EXTERIOR WINDOWS
4	PAINT WALL CS-P-7

FINISH PLAN NOTES

1. REFER TO FINISH LEGEND AND FINISH SCHEDULE FOR NEW FINISH MATERIALS.
2. SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
3. PAINT WALLS IN AREA OF WORK CS-P-7 UNLESS NOTED OTHERWISE.
4. SEE SHEET 1/A8.21 FOR FINISH AND FLOORING TRANSITION DETAILS.
5. PAINT NEW HOLLOW METAL DOOR AND WINDOW FRAMES CS-P-1 UNLESS NOTED OTHERWISE.
6. RUBBER FLOORING TO HAVE 6" INTEGRAL COVED BASE PER DETAIL 4/A8.21 UNLESS NOTED OTHERWISE.
7. SHEET VINYL FLOORING TO HAVE 6" INTEGRAL COVED BASE PER DETAIL: 2/A8.21.
8. BBT FLOORING TO HAVE 6" RUBBER BASE PER DETAIL 6/A8.21 UNLESS NOTED OTHERWISE

KEYPLAN



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8th FLOOR FINISH PLAN

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A3.11

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1 8th FLOOR EQUIPMENT PLAN

1/4" = 1'-0"

FURNITURE AND EQUIPMENT PLAN NOTES

1. REFER TO EQUIPMENT SCHEDULE FOR FURNISHED BY/INSTALLED BY RESPONSIBILITY MATRIX.
2. FOR MOUNTING HEIGHTS NOT SHOWN, SEE TYPICAL ADA SHEET A0.03, MOUNTING HEIGHT SHEET A0.03, AND INTERIOR ELEVATIONS.
3. EXISTING ELECTRICAL, VOICE AND DATA RECEPTACLES IN EXISTING WALLS TO REMAIN UNLESS NOTED OTHERWISE.
4. NEW WALL RECEPTACLES TO BE CENTERED AT 16" AFF UNLESS NOTED OTHERWISE.
5. SELECTIVE ELECTRICAL/COMMUNICATION RECEPTACLES AND SWITCHES SHOWN. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LOCATIONS.
6. CONTRACTOR TO VERIFY WITH OWNER EXACT LOCATIONS AND REQUIREMENTS OF ELECTRICAL AND VOICE/DATA RECEPTACLES PRIOR TO INSTALLATION OF RECEPTACLES.
7. REFER TO APPENDIX E FOR INFORMATION GOVERNING INSTALLATION AND LOCATION OF PATIENT LIFTS

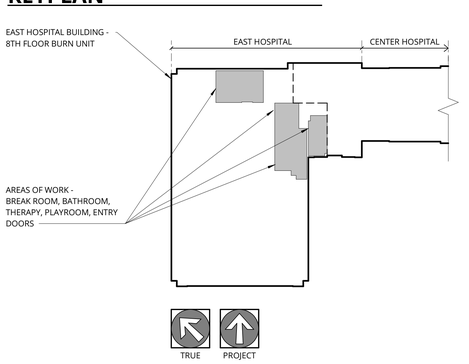
EQUIPMENT SCHEDULE

EQUIPMENT	DESCRIPTION	QTY	NEW/EXISTING	FURNISHED/ INSTALLED	POWER/DATA	COMMENTS
BREAK						
EQ-01	MICROWAVE	1	EXIST	FOIO	120V	
EQ-02	TOASTER OVEN	1	EXIST	FOIO	120V	
EQ-03	COMPOST	1	EVS	FOIO	-	
EQ-07	WASTE	1	EVS	FOIO	-	
EQ-08	RECYCLE	1	EVS	FOIO	-	
EQ-17	REFRIGERATOR	1	NEW	FCIC	60Hz	AMANA MODEL ABB2224BRW
EQ-24	SOAP DISP	1	NEW	FOIC	-	PROVON HAND SOAP MFG #197104
EQ-25	PAPER TOWEL DISPENSER	1	NEW	FOIC	-	GP PRO MFG #59488A
EQ-28	COFFEE POT	1	EXIST	FOIO	120V	
EQ-35	COAT HOOKS	1	NEW	FCIC	-	GRAINGER #4SNG73
EQ-40	MOBILE LINEN HAMPER	1	EVS	FOIO	-	
EQ-79	MIRROR	1	NEW	FCIC	-	BOBRICK MODEL B-165 1830
TLT						
EQ-24	SOAP DISP	1	NEW	FOIC	-	PROVON HAND SOAP MFG #197104
EQ-25	PAPER TOWEL DISPENSER	1	NEW	FOIC	-	GP PRO MFG #59488A
EQ-60	NAPKIN DISPOSAL	1	NEW	FCIC	-	BOBRICK MODEL B-270
EQ-61	TP DISP	1	NEW	FCIC	-	GP COMPACT MFG #56796
EQ-62	SEAT COVER DISP	1	NEW	FCIC	-	KIMBERLY CLARK MFG #KCC09506
EQ-64	COAT HOOK	2	NEW	FCIC	-	
EQ-79	MIRROR	1	NEW	FCIC	-	BOBRICK MODEL B-165 1830
THERAPY						
EQ-03	COMPOST	1	EVS	FOIO	-	
EQ-07	WASTE	1	EVS	FOIO	-	
EQ-08	RECYCLE	1	EVS	FOIO	-	
EQ-09	PARAFFIN BATH	1	EXIST	FOIO	520W / 120V	
EQ-10	HYDROCOLLATOR	1	EXIST	FOIO	1000W / 120V / 60Hz	
EQ-11	FOAM WEDGES	1	EXIST	FOIO	-	
EQ-12	BEDSIDE TABLE	1	EXIST	FOIO	-	
EQ-13	THERAPY MAT	1	NEW	FOIC	120V / 6.5A / 780W	REQUIRES HOSPITAL GRADE PLUG
EQ-14	EXAM STOOL	2	EXIST	FOIO	-	
EQ-15	WALL-MOUNTED COMPUTER STATION	1	NEW	FOIO	YES	REQUIREMENTS TO BE COORDINATED WITH IT
EQ-16	PARALLEL BARS	1	EXIST	FOIO	120V / 60Hz	
EQ-17	PATIENT LIFT	2	NEW	FCIC	YES	REFER TO SPECIFICATION SECTION 11 73 00 AND APPENDIX E
EQ-18	STATIONARY BIKE	1	EXIST	FOIO	-	
EQ-19	ARM BIKE	1	EXIST	FOIO	-	
EQ-20	TRAPEZE	1	EXIST	FOIC	-	MUST SUPPORT 300LBS. PROVIDE HOOK ATTACHMENT ON WALL FOR STORAGE OF EQUIPMENT WHEN NOT IN USE. INSTALLATION OF CEILING-MOUNTED EQUIPMENT TO BE COORDINATED ON SITE
EQ-21	PULLEY	1	EXIST	FOIC	-	MUST SUPPORT 300LBS. PROVIDE HOOK ATTACHMENT ON WALL FOR STORAGE OF EQUIPMENT WHEN NOT IN USE. INSTALLATION OF CEILING-MOUNTED EQUIPMENT TO BE COORDINATED ON SITE
EQ-22	NESTING PLATFORM	1	EXIST	FOIO	-	
EQ-23	PORTABLE MIRROR	1	EXIST	FOIO	-	
EQ-24	SOAP DISP	2	NEW	FOIC	-	PROVON HAND SOAP MFG #197104
EQ-25	PAPER TOWEL DISPENSER	2	NEW	FOIC	-	GP PRO MFG #59488A
EQ-26	HEIGHT ADJUSTABLE TABLE	1	EXIST	FOIO	-	
EQ-32	FRAMELESS MIRROR	1	NEW	FCIC	-	5'-0"H x 4'-0"W
EQ-33	FINGER LADDER	1	EXIST	FOIO	-	
EQ-40	MOBILE LINEN HAMPER	1	NEW	FOIO	-	
EQ-41	SEWING MACHINE	1	EXIST	FOIO	120V / 60Hz	
EQ-42	SHARPS	1	NEW	FOIC	-	
EQ-43	GLOVE DISPENSER	1	NEW	FOIC	-	
EQ-44	DUMBBELL STRIP	1	NEW	FCIC	-	
EQ-45	VELCRO STRAP WEIGHTS STRIP	1	NEW	FCIC	-	
EQ-46	FLOOR BASED BIOHAZARD WASTE BIN	1	NEW	FOIO	-	
EQ-50	HANDOUT HOLDER	1	NEW	FOIO	-	
EQ-79	MIRROR	1	NEW	FCIC	-	BOBRICK MODEL B-165 1824
NURSE STATION						
EQ-77	ACCUTECH CPU TOWER	1	NEW	FVIV	120V	
EQ-78	ACCUTECH WALL-MOUNTED MONITOR	1	NEW	FVIC	120 V	FINAL LOCATION, CONNECTIONS, AND INFRASTRUCTURE REQUIREMENTS TO BE COORDINATED WITH VENDOR PRIOR TO INSTALL
EQ-81	ACCUTECH WORKSTATION	1	NEW	FVIV	120 V	FINAL LOCATION, CONNECTIONS, AND INFRASTRUCTURE REQUIREMENTS TO BE COORDINATED WITH VENDOR PRIOR TO INSTALL
PLAY ROOM						
EQ-07	WASTE	1	EVS	FOIO		
EQ-08	RECYCLE	1	EVS	FOIO		
EQ-24	SOAP DISP	1	NEW	FOIC		PROVON HAND SOAP MFG #197104
EQ-25	PAPER TOWEL DISPENSER	1	NEW	FOIC		GP PRO MFG #59488A
EQ-30	ART CART	1	EXIST	FOIO		
EQ-51	MEDICAL PLAY TABLE	1	NEW	FCIC		TO BE DESIGNED BY ARCHITECT. SEE CASEWORK DRAWINGS

FURNITURE SCHEDULE

FURNITURE TYPE	QTY	FURNISHED /INSTALLED	COMMENTS
FR-01			
CURVED BENCH W BACK	2	FOIO	BOD IS K.LOUNGE BY KNOLL FURNITURE
FR-02			
BENCH W BACK	2	FOIO	BOD IS K.LOUNGE BY KNOLL FURNITURE
FR-03			
STOOL	1	FOIO	COUNTER HEIGHT
FR-04			
CHILD CHAIR	4	FOIO	HMC TO CONFIRM IF EXISTING TO BE REUSED
FR-05			
24" x 24" COFFEE TABLE	2	FOIO	
FR-06			
FOOSBALL TABLE	1	FOIO	
FR-07			
DINING CHAIR	7	FOIO	
FR-08			
30" x 30" DINING TABLE	3	FOIO	
FR-09			
SOLTICE LOUNGE SLEEPER	2	FOIO	
FR-10			
WAITING CHAIR	7	FOIO	

KEYPLAN



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ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104

UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

8th FLOOR EQUIPMENT PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A4.11

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1 8th FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

2 8th FLOOR REFLECTED CEILING PLAN 8EH-STR-13
1/4" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. EXISTING CEILINGS TO REMAIN UNLESS NOTED OTHERWISE.
2. CLEAN AND REPAIR EXISTING CEILING GRID AND TILES TO REMAIN WITHIN THE AREA OF WORK. REPLACE DAMAGED CEILING TILES WITH TILES THAT MATCH THE EXISTING TILES.
3. LIGHT GAUGE METAL FRAMING SIZE, GAUGE AND SPACING AT SOFFITS AND CEILINGS TO MEET MANUFACTURER'S PUBLISHED SPAN TABLES, SPECIFIED DEFLECTION CRITERIA, AND TO SUPPORT BOTH GRAVITY AND LATERAL LOADS.
4. PROVIDE CONTROL JOINTS AT 30'-0" OC MAXIMUM IN GYPSUM WALLBOARD SOFFITS AND CEILINGS AS INDICATED.
5. FOR TYPICAL ACP SUSPENDED CEILING DETAILS, SEE A8.20.
6. REFLECTED CEILING PLANS SHOW GENERAL TYPE, LOCATION AND ORIENTATION OF LIGHTS, REGISTERS, DIFFUSERS AND OTHER CEILING MOUNTED ITEMS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR MORE SPECIFIC REQUIREMENTS.
7. CENTER DOWNLIGHTS IN ACOUSTICAL TILE UNLESS NOTED OTHERWISE.
8. LOCATE SPRINKLER HEADS, HVAC GRILLS, TRIM, SMOKE DETECTORS, DAS ANTENNAS, RECESSED LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES IN THE CENTER OF ACOUSTICAL CEILING TILES EXCEPT AS SPECIFICALLY NOTED OR SHOWN.
9. ALIGN HVAC GRILLS, DIFFUSERS AND OTHER TRIM WITH SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS AND OTHER CEILING MOUNTED DEVICES EXCEPT AS SPECIFICALLY NOTED OR SHOWN.
10. PROVIDE OCCUPANCY SENSORS FOR ALL ENNCLOSED ROOMS
11. PROVIDE FOUR LIGHTING ZONES FOR THERAPY ROOM
12. PROVIDE THREE LIGHTING ZONES FOR PLAY ROOM
13. PROVIDE TWO LIGHTING ZONES FOR BREAK ROOM

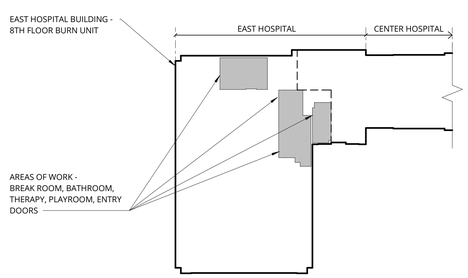
REFLECTED CEILING PLAN KEYNOTES

1	NO CEILING ABOVE CASEWORK
2	CEILING MOUNTED CUBICLE CURTAIN TRACK
3	CEILING MOUNTED EQUIPMENT. SEE STRUCTURE FOR DETAILS
4	DOWN LIGHTS LOCATED IN CASEWORK. COORDINATE WITH ELECTRICAL
5	CEILING MOUNTED SPEAKER. SEE ELECTRICAL
6	INSTALL NEW CLERESTORY WINDOW
7	REPLACE CEILING TILES AS NECESSARY TO ACCOMODATE NEW WALL & DOOR
8	CENTER FIXTURE ON GRID
9	CEILING MOUNTED CAMERA. SEE ELECTRICAL
10	ALIGN CEILING GRID WITH FACE OF WALL

REFLECTED CEILING PLAN SYMBOLS

- AREA NOT IN SCOPE
- SUSPENDED CEILING SYSTEM TO REMAIN
- NEW SUSPENDED CEILING SYSTEM
- EXISTING GYP BOARD CEILING/ SOFFIT TO REMAIN
- NEW GYP BOARD CEILING/ SOFFIT
- EXISTING 2x2 LIGHT FIXTURE TO REMAIN
- NEW 2x2 LIGHT FIXTURE
- EXISTING 2x4 LIGHT FIXTURE TO REMAIN
- NEW ROUND LIGHT FIXTURE. SEE ELEC
- 1x4 LIGHT FIXTURE TO REMAIN
- NEW 1x4 LIGHT FIXTURE
- EXISTING HVAC SUPPLY TO REMAIN
- NEW HVAC SUPPLY, SEE MECHANICAL
- EXISTING HVAC RETURN TO REMAIN
- NEW HVAC RETURN, SEE MECHANICAL
- EXISTING SPRINKLER HEAD TO REMAIN
- NEW SPRINKLER HEAD, SEE MECHANICAL
- EXISTING CEILING SPEAKER TO REMAIN
- NEW CEILING SPEAKER, SEE ELECTRICAL
- CELIING ACCESS PANEL
- JUNCTION BOX
- EXHAUST FAN
- EXISTING SMOKE DETECTOR. SHOWN FOR DIAGRAMMATIC PURPOSE. REFER TO FLS DEFERRED SUBMITTAL
- NEW SMOKE DETECTOR. SHOWN FOR DIAGRAMMATIC PURPOSE. REFER TO FLS DEFERRED SUBMITTAL

KEYPLAN



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ARCHITECTURAL
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SEATTLE, WA 98101
T 206.576.1600

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REV.	DATE	REASON FOR ISSUE

8th FLOOR REFLECTED CEILING PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A6.01

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GENERAL NOTES - INTERIOR ELEVATIONS

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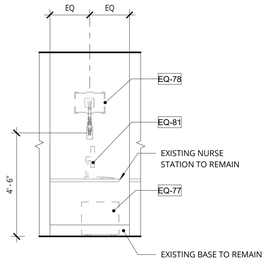
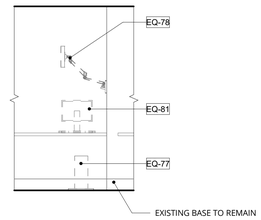
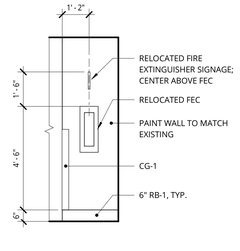


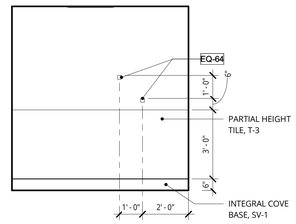
14 NURSE STATION, ELEV 2
3/8" = 1'-0"



13 NURSE STATION, ELEV 1
3/8" = 1'-0"



12 CORRIDOR, ELEV 8 ⚠1
3/8" = 1'-0"



11 TOILET, ELEV 4
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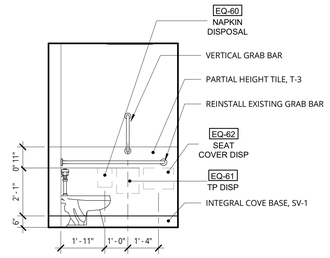
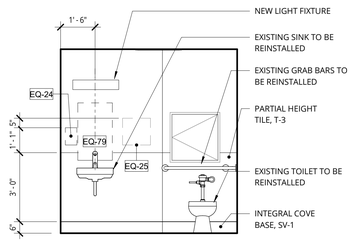
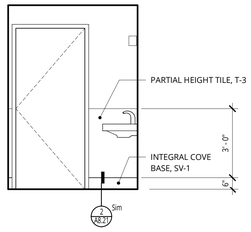


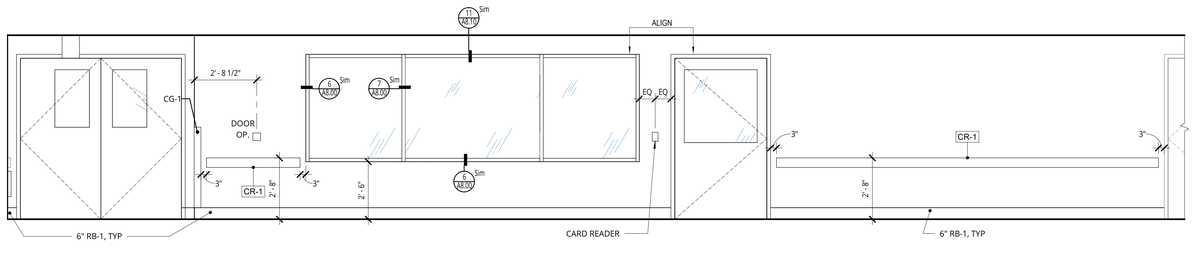
10 TOILET, ELEV 3
3/8" = 1'-0"



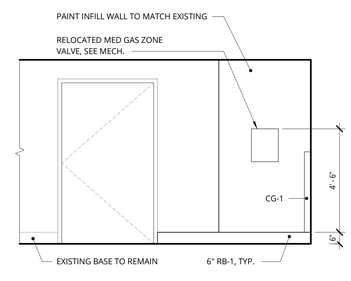
9 TOILET, ELEV 2
3/8" = 1'-0"



8 TOILET, ELEV 1
3/8" = 1'-0"



7 CORRIDOR, ELEV 7
3/8" = 1'-0"



6 CORRIDOR, ELEV 6 ⚠1
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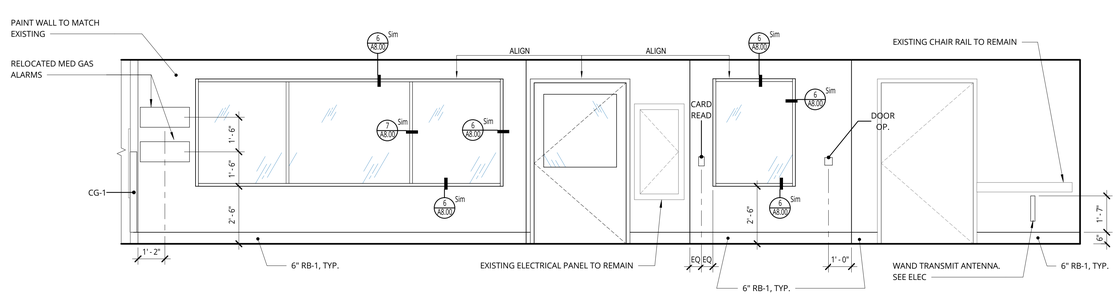
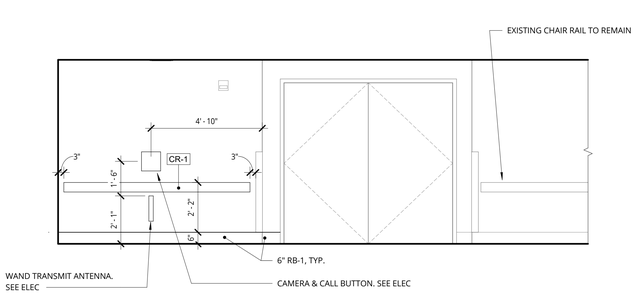
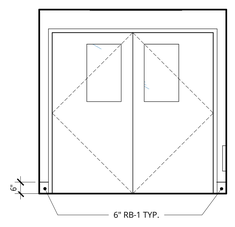


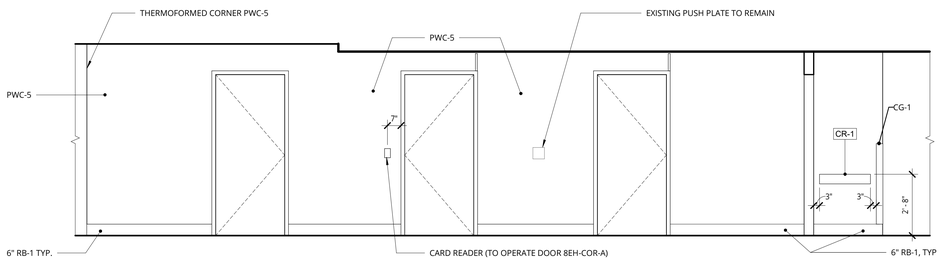
5 CORRIDOR, ELEV 5
3/8" = 1'-0"



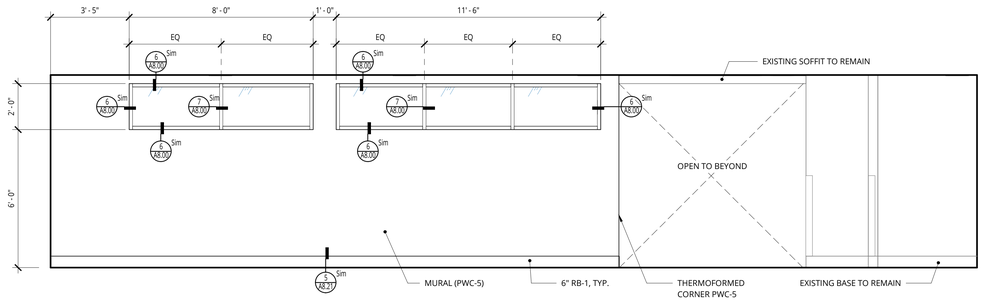
4 CORRIDOR, ELEV 4
3/8" = 1'-0"



3 CORRIDOR, ELEV 3
3/8" = 1'-0"



2 CORRIDOR, ELEV 2
3/8" = 1'-0"



1 CORRIDOR, ELEV 1
3/8" = 1'-0"

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ARCHITECTURAL
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HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE
1	1/16/2020	DOH Comments

INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A7.01

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GENERAL NOTES - INTERIOR ELEVATIONS

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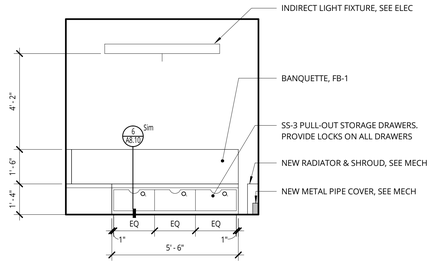
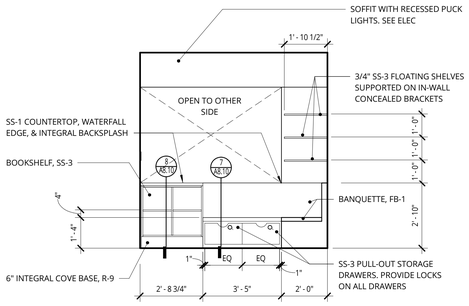
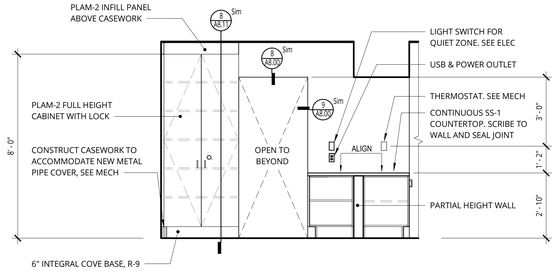


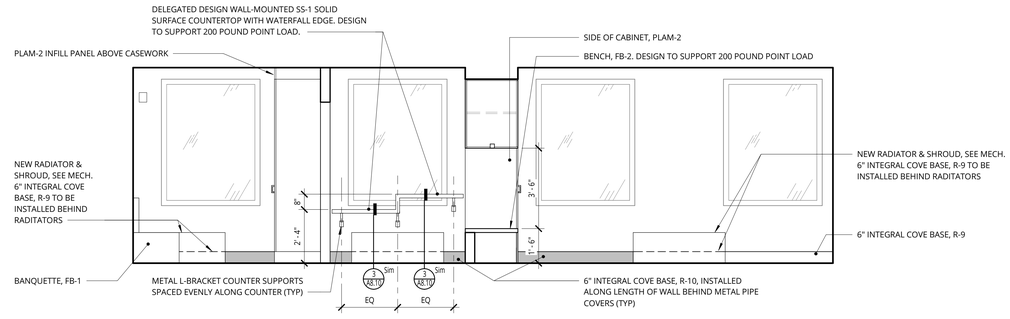
10 QUIET ROOM, ELEV 3
3/8" = 1'-0"



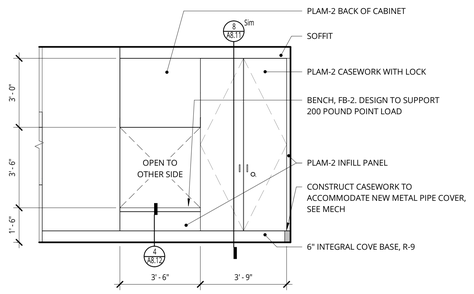
9 QUIET ROOM, ELEV 2
3/8" = 1'-0"



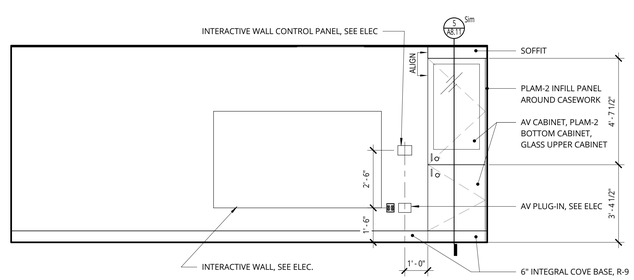
8 QUIET ROOM, ELEV 1
3/8" = 1'-0"



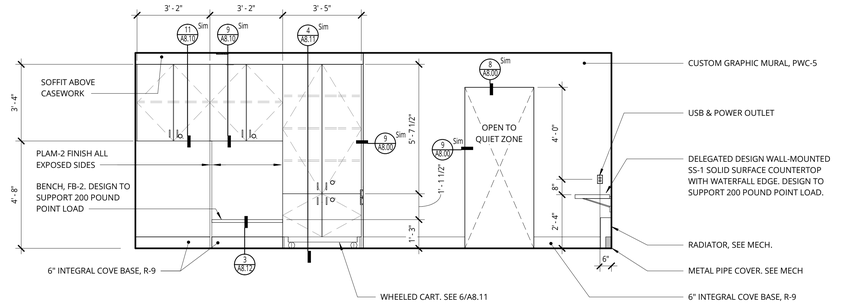
7 PLAYROOM, ELEV 7
3/8" = 1'-0"



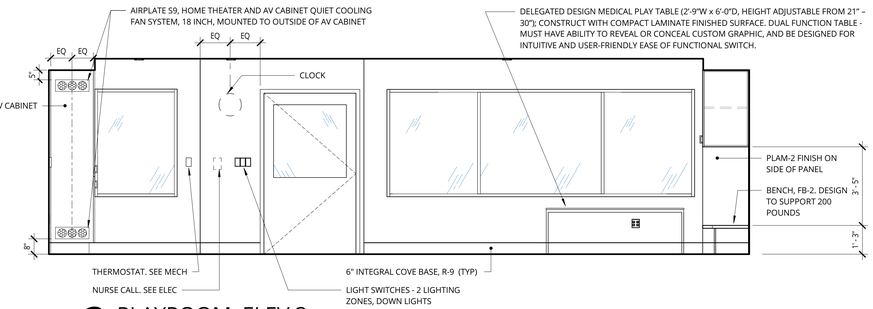
6 PLAYROOM, ELEV 6
3/8" = 1'-0"



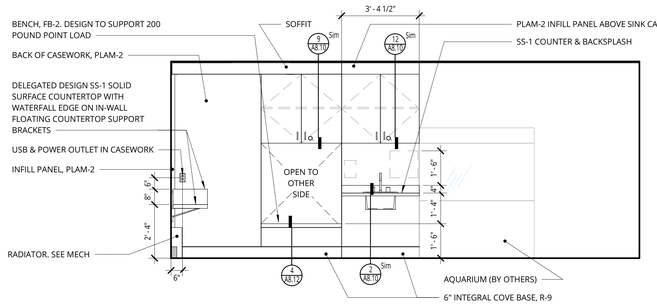
5 PLAYROOM, ELEV 5
3/8" = 1'-0"



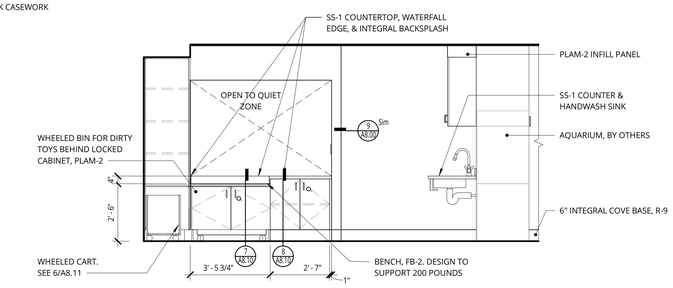
4 PLAYROOM, ELEV 4
3/8" = 1'-0"



3 PLAYROOM, ELEV 3
3/8" = 1'-0"



2 PLAYROOM, ELEV 2
3/8" = 1'-0"



1 PLAYROOM, ELEV 1
3/8" = 1'-0"

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UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
A7.02

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GENERAL NOTES - INTERIOR ELEVATIONS

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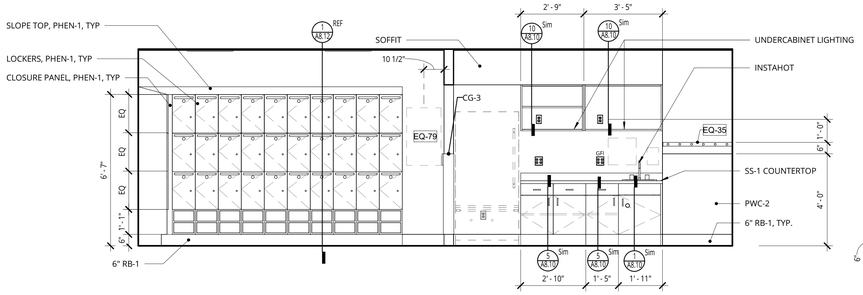

14 BREAKROOM, ELEV 6
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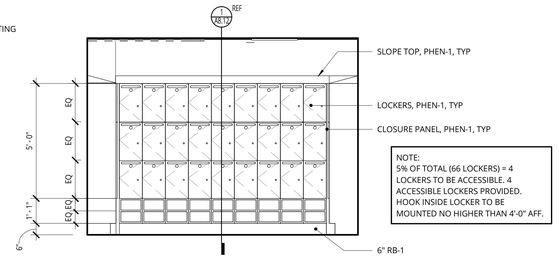
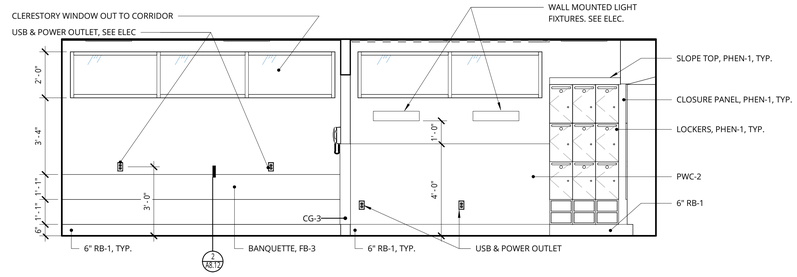


13 BREAKROOM, ELEV 5
3/8" = 1'-0"



12 BREAKROOM, ELEV 4
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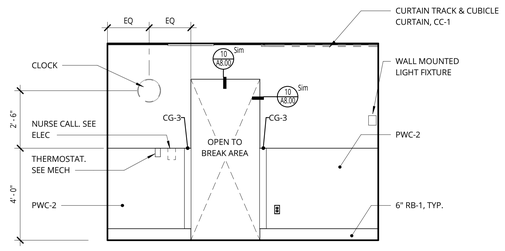

11 BREAKROOM, ELEV 3
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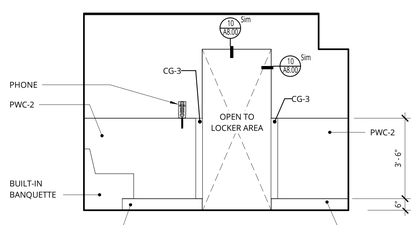

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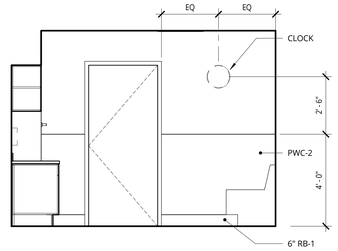
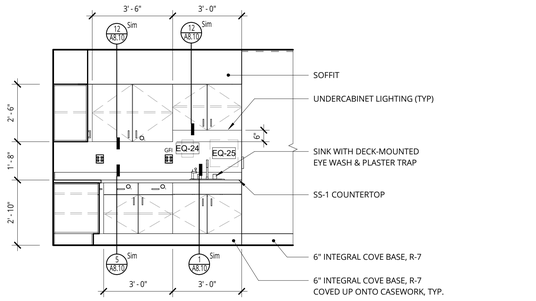


9 BREAKROOM, ELEV 1
3/8" = 1'-0"



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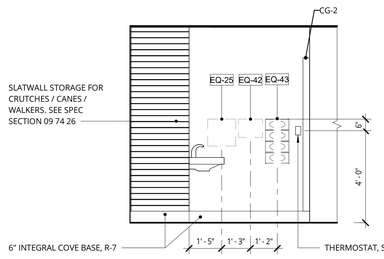

7 THERAPY, ELEV 7
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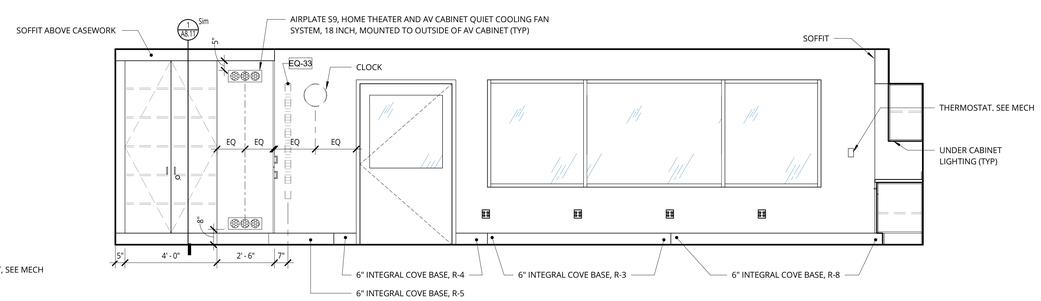

6 THERAPY, ELEV 6
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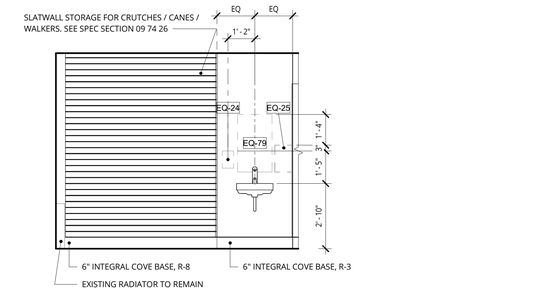

5 THERAPY, ELEV 5
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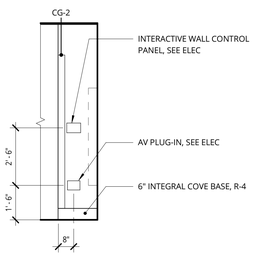
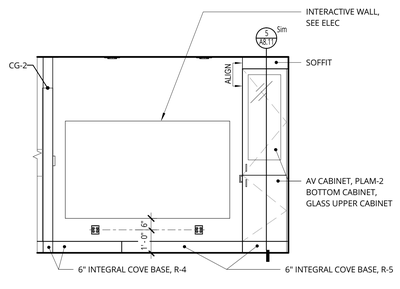
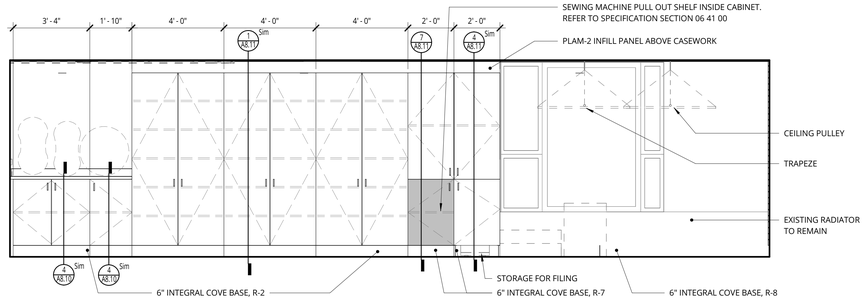


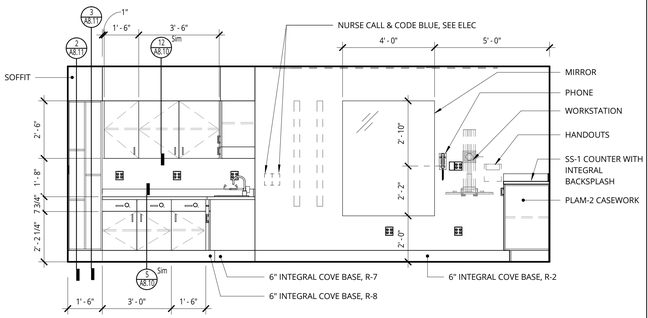
4 THERAPY, ELEV 4
3/8" = 1'-0"



3 THERAPY, ELEV 3
3/8" = 1'-0"



2 THERAPY, ELEV 2
3/8" = 1'-0"



1 THERAPY, ELEV 1
3/8" = 1'-0"

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ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

INTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A7.03

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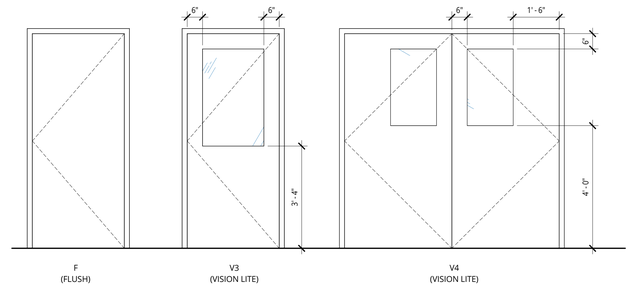
DOOR SCHEDULE

DOOR NO.	ROOM NAME	FIRE RATING	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	GLAZING RATING (MIN)	HARDWARE GROUP	COMMENTS
8EH-01	BREAK	S	3' - 0"	7' - 0"	ABD	WD-4	F	HM	P-1	-	01	KEYPAD WITH INTEGRATED CARD READER
8EH-02	TLT	S	3' - 0"	7' - 0"	ABD	WD-4	F	HM	P-1	-	07	PRIVACY LOCKSET
8EH-03	CORRIDOR	S	3' - 0"	7' - 0"	ABD	WD-4	F	HM	P-1	-	02	KEYPAD WITH INTEGRATED CARD READER & PRIVACY LOCKSET
8EH-05	THERAPY	S	4' - 0"	7' - 0"	ABD	WD-3	V3	HM	P-1	NR	03	90 DEGREE DOOR STOP, CARD READER
8EH-37	PLAY ROOM	S	4' - 0"	7' - 0"	ABD	WD-3	V3	HM	P-1	NR	04	180 DEGREE DOOR ON HOLD OPENS, CARD READER
8EH-COR-A	CORRIDOR	S	7' - 0"	7' - 0"	ABD	WD-3	V4	HM	P-1	S	05	CARD READER, 2 WAVE SENSORS INSIDE WARD, CALL BUTTON, CAMERA
8EH-STR-13	STAIR	90	3' - 8"	7' - 0"	EX	EX	EX	EX	EX	EX	06	CARD READER INSIDE & OUTSIDE, MAG LOCK OUTSIDE



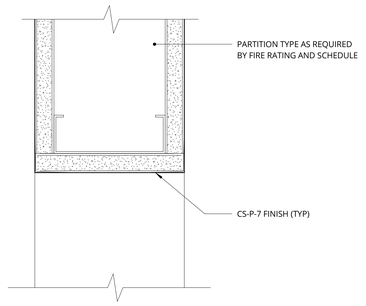
DOOR AND FRAME TYPES

HARDWARE NOTES

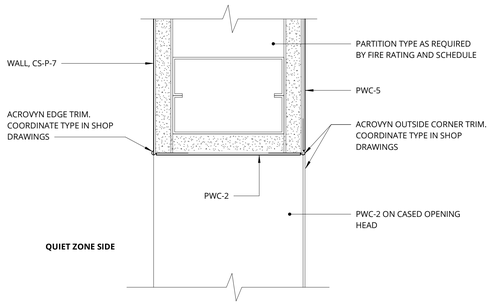
1. ALL HARDWARE IS ADA COMPLIANT.
2. PROVIDE WALL STOPS AT ALL LOCATIONS WHERE DOOR WOULD OTHERWISE STRIKE WALL. PROVIDE 18 GA. BACKING AT ALL WALL STOP LOCATIONS, IF APPLICABLE.

DOOR AND FRAME NOTES

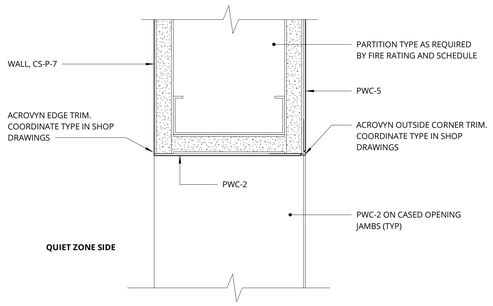
1. SEE DOOR SCHEDULE FOR DOOR AND FRAME MATERIAL AND FINISH
2. 1010.1.9 DOOR OPERATIONS. EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT
3. 1010.1.9.9 ELECTROMAGNETICALLY LOCKED EGRESS DOORS MUST BE INSTALLED AND OPERATED IN ACCORDANCE WITH THE FOLLOWING:
   - A. THE HARDWARE THAT IS AFFIXED TO THE DOOR LEAF HAS AN OBVIOUS METHOD OF OPERATION THAT IS READILY OPERATED UNDER ALL LIGHTING CONDITIONS
   - B. THE HARDWARE IS CAPABLE OF BEING OPERATED WITH ONE HAND
   - C. OPERATION OF THE HARDWARE DIRECTLY INTERRUPTS THE POWER TO THE ELECTROMAGNETIC LOCK AND UNLOCKS THE DOOR IMMEDIATELY
   - D. LOSS OF POWER TO THE LOCKING SYSTEM AUTOMATICALLY UNLOCKS THE DOOR
   - E. WHERE PANIC OR FIRE EXIT HARDWARE IS REQUIRED BY SECTION 1010.1.10, OPERATION OF THE PANIC OR FIRE EXIT HARDWARE ALSO RELEASES THE ELECTROMAGNETIC LOCK
   - F. THE LOCKING SYSTEM UNITS SHALL BE LISTED IN ACCORDANCE WITH UL 294



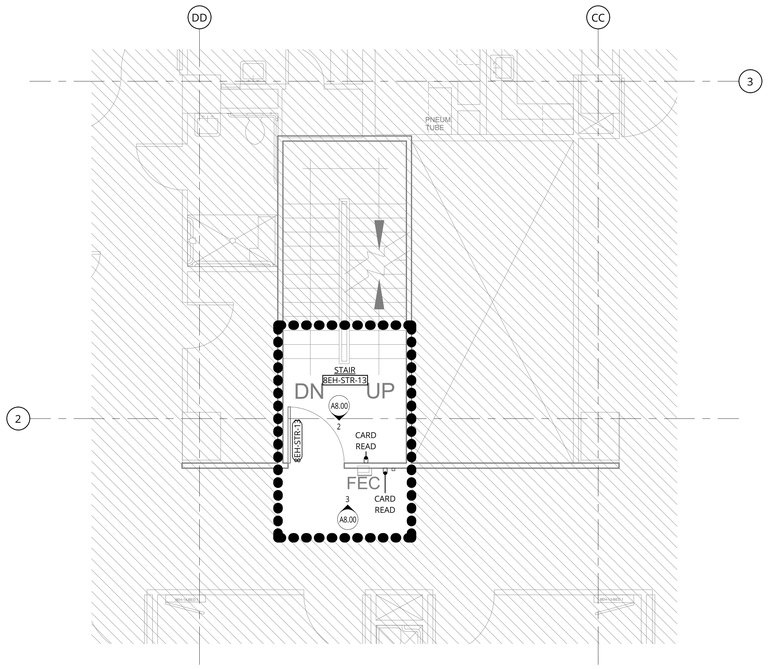
10 CASED OPENING - HEAD (SIM @ JAMB)
6" = 1'-0"



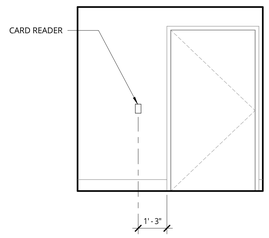
9 CASED OPENING - JAMB (SIM @ WALL EDGE)
6" = 1'-0"



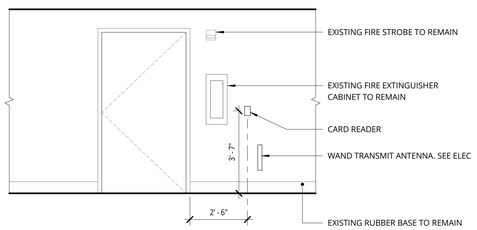
8 CASED OPENING - HEAD
6" = 1'-0"



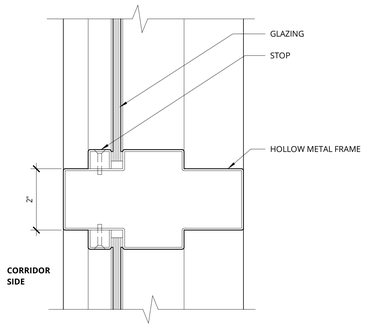
1 8EH-STR-13 - PLAN
1/4" = 1'-0"



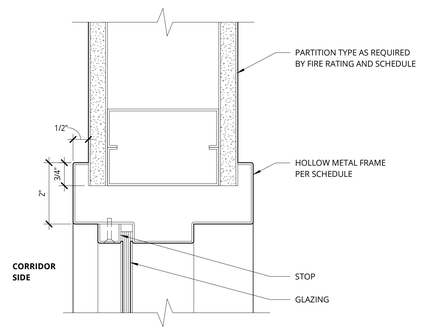
2 8EH-STR-13, ELEV 1
3/8" = 1'-0"



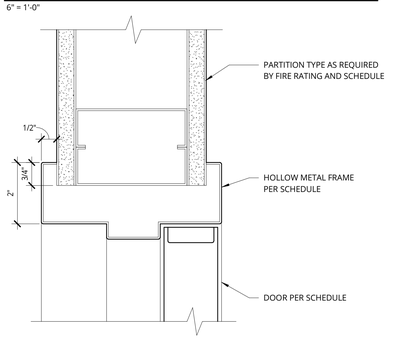
3 8EH-STR-13, ELEV 2
3/8" = 1'-0"



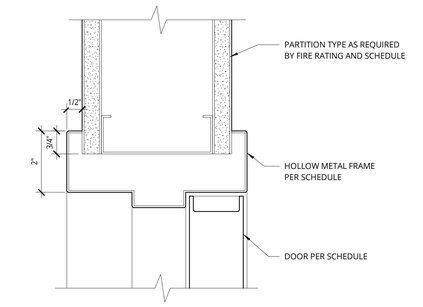
7 WINDOW - VERTICAL MULLION
6" = 1'-0"



6 WINDOW - HEAD (JAMB & SILL @ SIM)
6" = 1'-0"



5 DOOR - HOLLOW METAL JAMB
6" = 1'-0"



4 DOOR - HOLLOW METAL HEAD
6" = 1'-0"

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ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104

UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE
1	1/09/2020	PERMIT CORRECTIONS #1
2	1/16/2020	DOH Comments
3	2/7/2020	DOH Comments r01

DOOR LEGEND AND SCHEDULE

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A8.00

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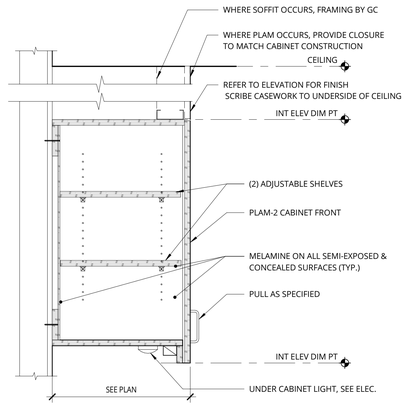
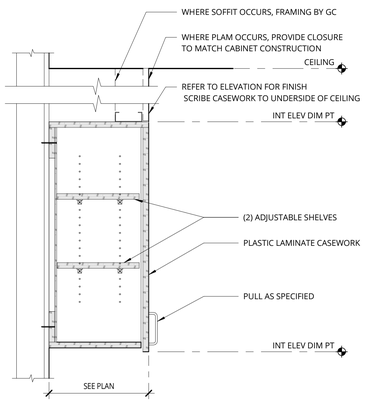


12 TYPICAL UPPER CABINET WITH UC LIGHT

1 1/2" = 1'-0"



11 TYPICAL UPPER CABINET

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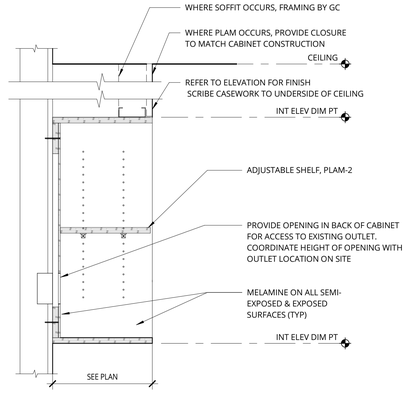
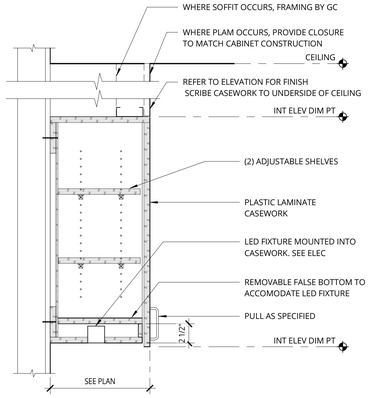


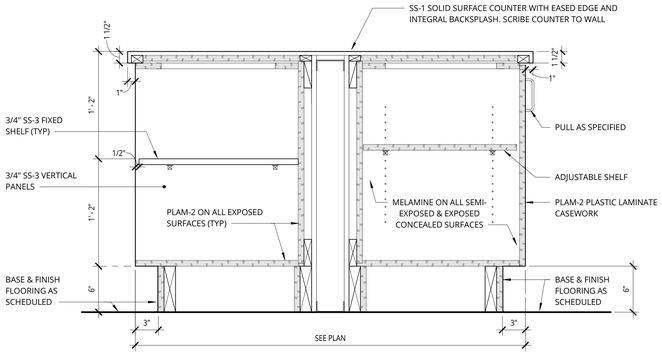
10 TYPICAL UPPER SHELVING

1 1/2" = 1'-0"



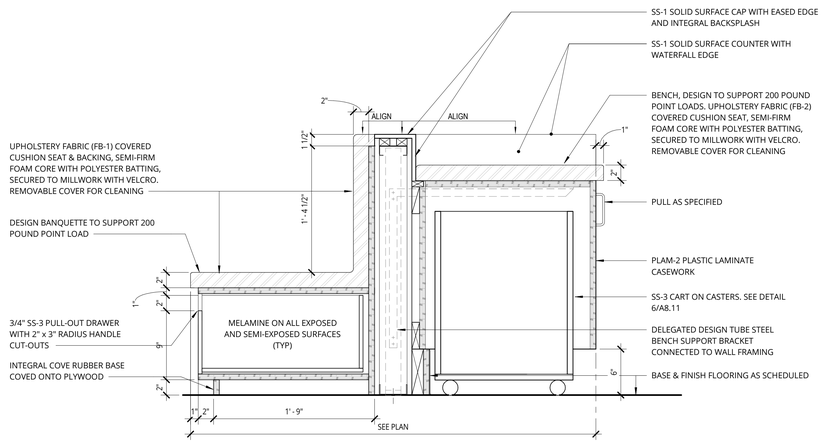
9 TYPICAL UPPER CABINET

1 1/2" = 1'-0"



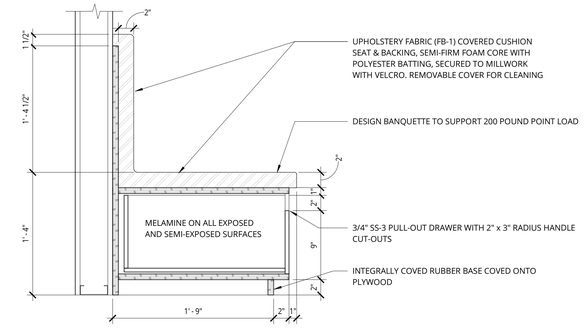
8 CONTINUOUS COUNTER @ CASEWORK

1 1/2" = 1'-0"



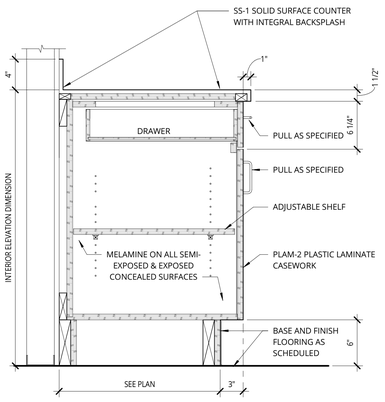
7 BANQUETTE & BENCH

1 1/2" = 1'-0"



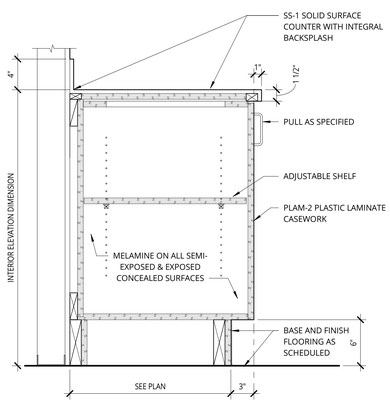
6 BANQUETTE - STORAGE

1 1/2" = 1'-0"



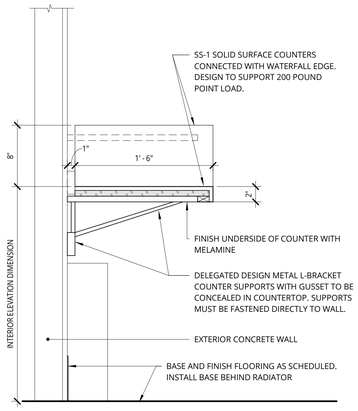
5 BASE CABINET WITH DRAWER

1 1/2" = 1'-0"



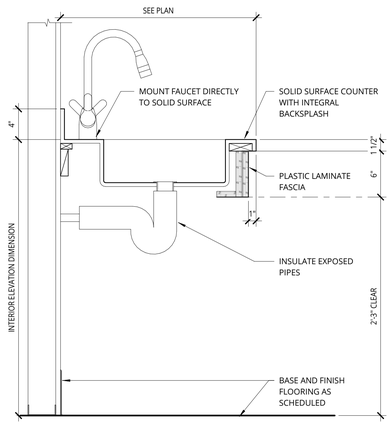
4 BASE CABINET

1 1/2" = 1'-0"



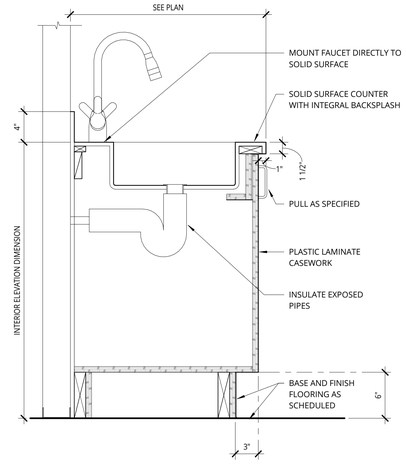
3 FLOATING COUNTER

1 1/2" = 1'-0"



2 OPEN BASE CABINET AT SINK

1 1/2" = 1'-0"



1 BASE CABINET AT SINK

1 1/2" = 1'-0"

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ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

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SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

INTERIOR DETAILS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020 | PROJECT NUMBER 191360

SHEET NUMBER
A8.10

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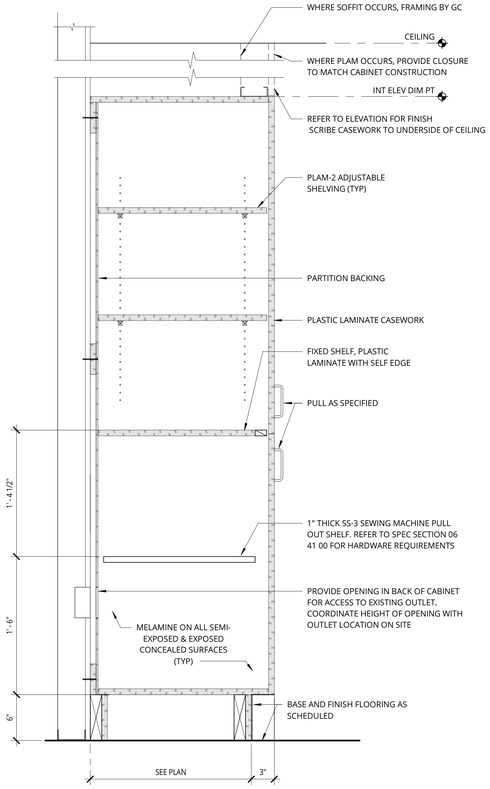
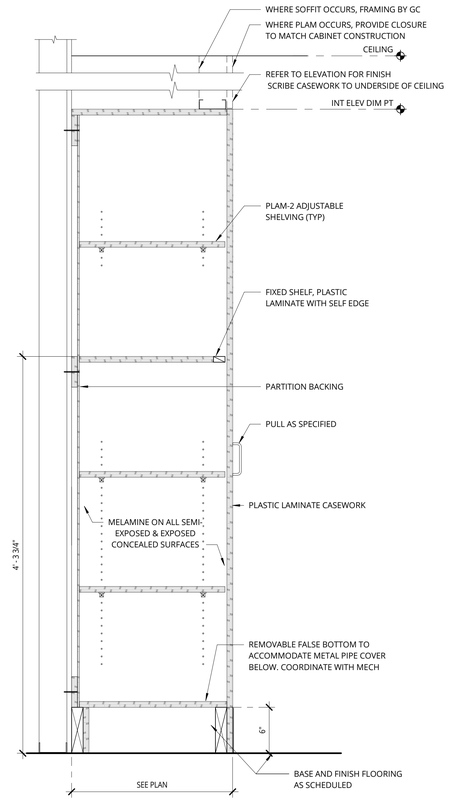
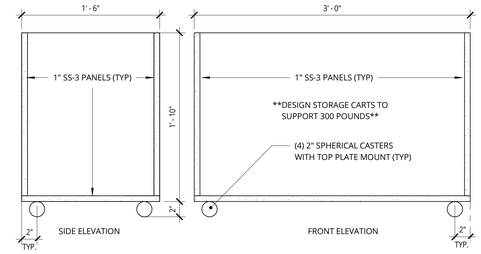


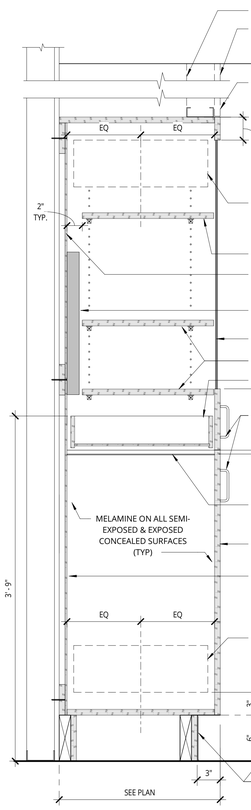
7 FULL HEIGHT CABINET_2DR
1 1/2" = 1'-0"



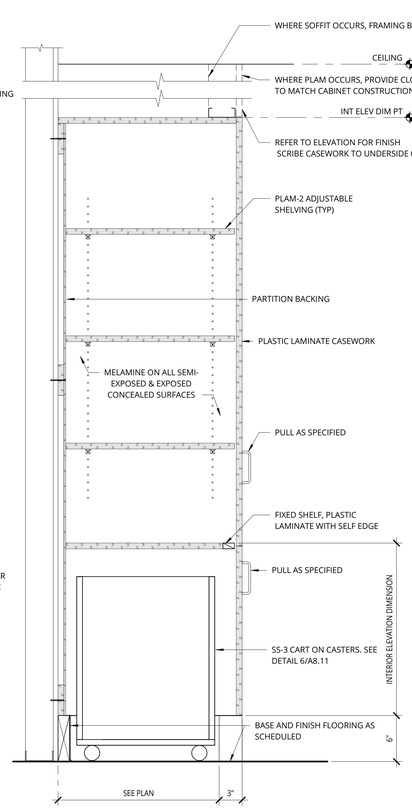
8 FULL HEIGHT CABINET W NO TOE KICK
1 1/2" = 1'-0"



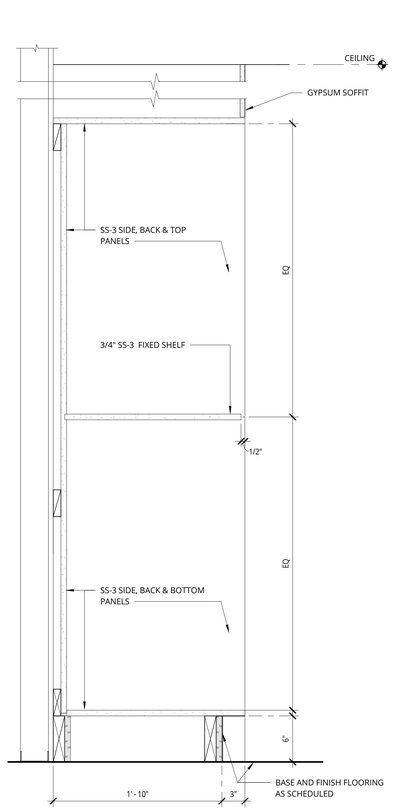
6 ROLLING BIN STORAGE
1 1/2" = 1'-0"



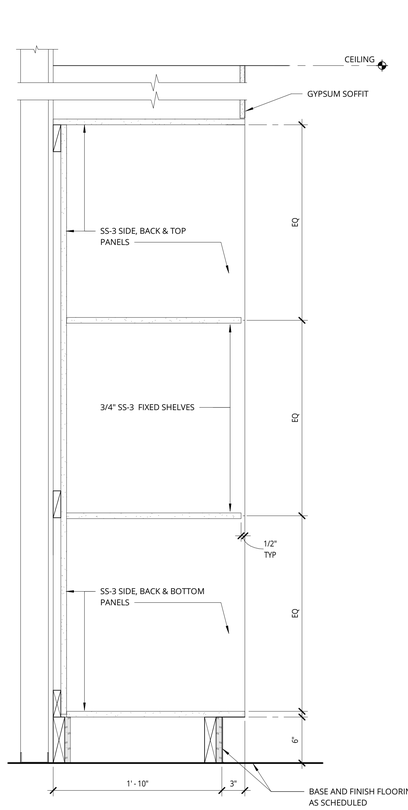
5 AV CABINET
1 1/2" = 1'-0"



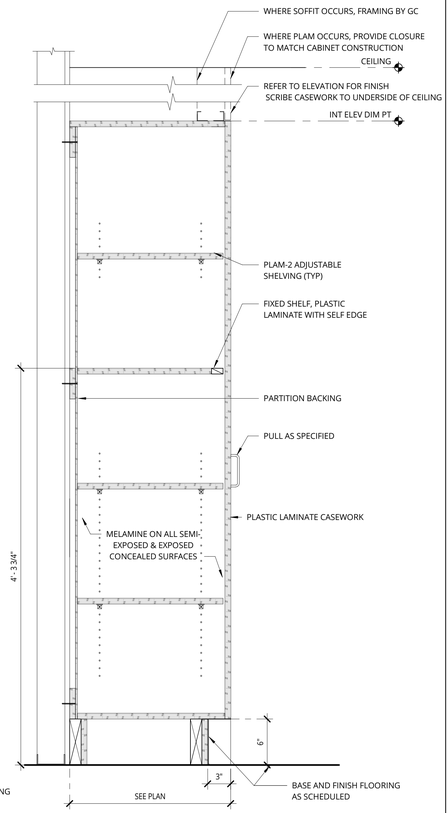
4 FULL HEIGHT CABINET_2DR OPEN
1 1/2" = 1'-0"



3 3'-0" SPLINT STORAGE
1 1/2" = 1'-0"



2 2'-0" SPLINT STORAGE
1 1/2" = 1'-0"



1 FULL HEIGHT CABINET
1 1/2" = 1'-0"

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ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104

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REV.	DATE	REASON FOR ISSUE

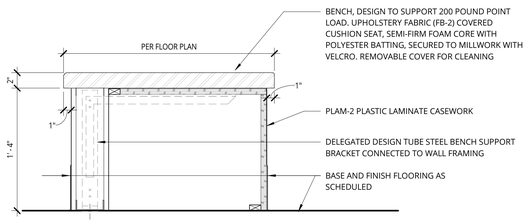
INTERIOR DETAILS

CONSTRUCTION DOCUMENTS

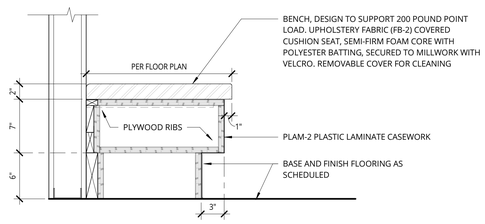
DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
A8.11

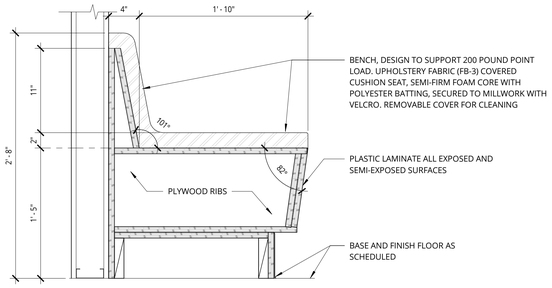
3/27/2020 2:14:24 PM



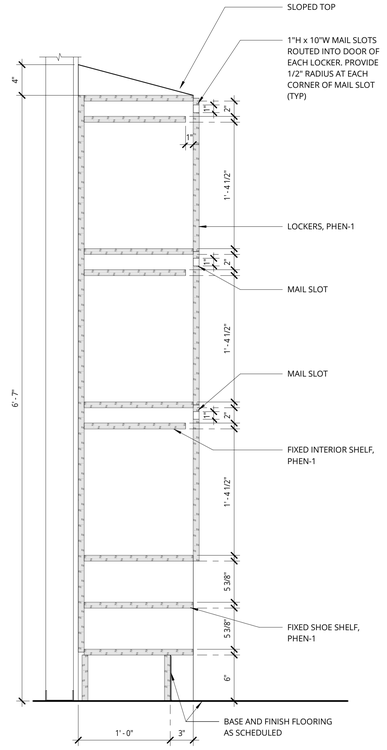
4 BENCH CRAWL-THROUGH
1 1/2" = 1'-0"



3 BENCH @ WALL
1 1/2" = 1'-0"



2 BANQUETTE - BREAKROOM
1 1/2" = 1'-0"



1 LOCKER - SECTION
1 1/2" = 1'-0"

FOR REFERENCE ONLY

NOT FOR CONSTRUCTION

HMC 8EH BURN UPGRADES - UW PROJECT #206970

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REVISION	DATE	REASON FOR ISSUE

INTERIOR DETAILS

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
A8.12

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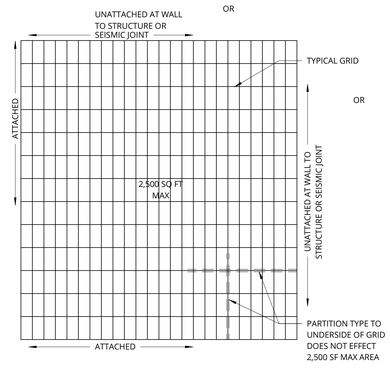
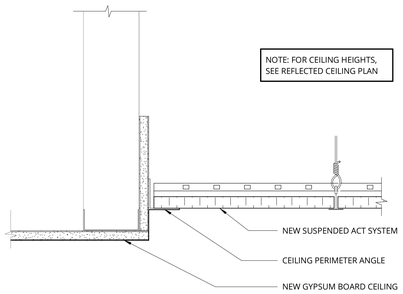


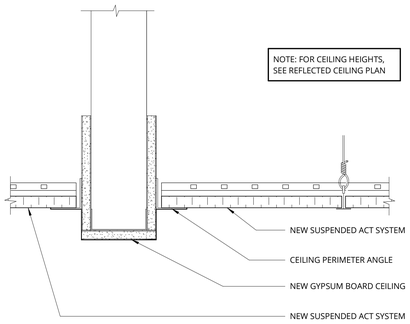
7 TYP SUSPENDED CLG SYSTEM PLAN

1/4" = 1'-0"



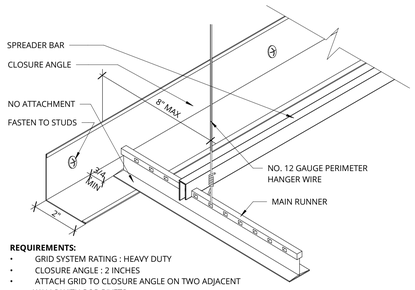
6 CEILING HEIGHT TRANSITION

3" = 1'-0"



8 CASED OPENING TRANSITION

3" = 1'-0"

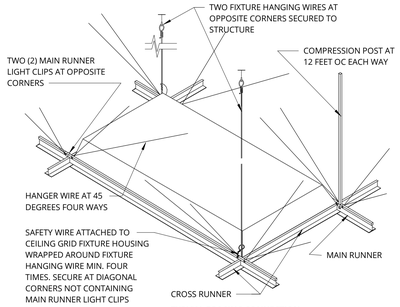


REQUIREMENTS:

- GRID SYSTEM RATING : HEAVY DUTY
- CLOSURE ANGLE : 2 INCHES
- ATTACH GRID TO CLOSURE ANGLE ON TWO ADJACENT WALLS WITH POP RIVETS
- PROVIDE 3/4 INCH CLEARANCE FROM CLOSURE ANGLE TO MAIN RUNNER AT PERIMETER AT UNATTACHED WALLS
- SPREADER BARS : PREVENT SPREAD OF MAIN RUNNERS AND CROSS RUNNERS AT UNATTACHED CONDITIONS
- LATERAL BRACING
- PERIMETER SUPPORT HANGER WIRE

5 WALL ANGLE UNATTACHED

3" = 1'-0"

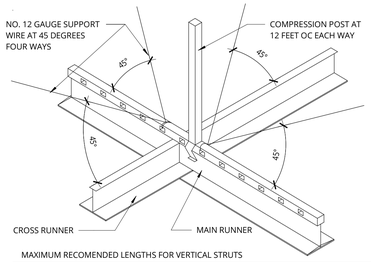


TYPICAL BRACING CONNECTION

NOTE:
REQUIREMENTS ARE FOR LIGHT FIXTURES WEIGHING 56 LBS OR LESS. LIGHT FIXTURES WEIGHING MORE THAN 56 LBS TO BE INDEPENDENTLY SUPPORTED FROM STRUCTURE

3 TI - CLG - RECESSED LIGHT FIX BRACE

1 1/2" = 1'-0"



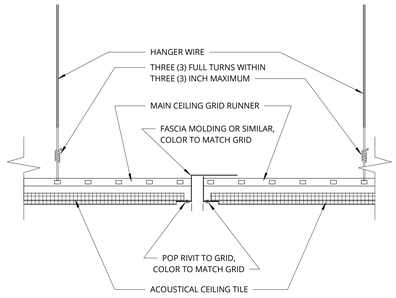
MAXIMUM RECOMENDED LENGTHS FOR VERTICAL STRUTS

EMT CONDUIT	
1/2" DIA. x 0.042" EMT CONDUIT	UP TO 47"
3/4" DIA. x 0.049" EMT CONDUIT	UP TO 61"
1" DIA. x 0.057" EMT CONDUIT	UP TO 78"
METAL STUD	
SINGLE METAL STUD (20 GAUGE) 362S125-30	UP TO 85"
SINGLE METAL STUD (25 GAUGE) 250S125-18	UP TO 87"
1-5/8" x 1-5/8" STRUT (16 GAUGE)	UP TO 120"
BACK TO BACK 1-5/8" x 1-1/4" x 0.0197" CHANNEL	UP TO 130"

NOTE:
-WALL MOLDING SHOULD NOT BE USED AS STRUTS.
-A STRUCTURAL ENGINEER SHOULD BE CONSULTED FOR LENGTHS GREATER THAN 14 FEET

4 GRID LATERAL FORCE BRACE

3" = 1'-0"

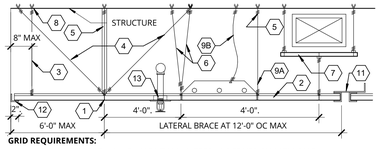


NOTE: REQUIRED BETWEEN EACH 2,500 SQUARE FOOT CEILING AREA OR PROVIDE WALL THROUGH CEILING GRID.

IF A SEISMIC SEPARATION IS REQUIRED, AN APPROVED PROPRIETARY JOINT MAY BE USED, OR THE GENERIC JOINT DETAILED HERE. THE AMOUNT OF FREE MOVEMENT SHALL BE A MINIMUM OF 3/4".

2 GRID SEISMIC JOINT

3" = 1'-0"



GRID REQUIREMENTS:

GRID SYSTEM RATING: HEAVY DUTY MAIN TEES AS DEFINED BY ASTM C635.

DESIGN REQUIREMENTS: CEILING MUST BE DESIGN PER STATE AND LOCAL CODE FOR SEISMIC CATEGORIES D,E & F.

INSTALLATION REQUIREMENTS:

1. MAIN RUNNERS: 4 FEET O.C., SUPPORTED W/ NO. 12 GA. WIRES AT 4 FEET O.C. MAX. HANGER ATTACHMENT TO BE DESIGNED TO SUPPORT NOT LESS THAN 200 LBS.
2. CROSS RUNNERS: RUNNERS SUPPORTED BY MAIN RUNNERS AND CAPABLE OF CARRYING DESIGN LOAD WITH DEFLECTION EQUAL TO 1/360 OF ITS SPAN OR LESS.
3. HANGER WIRE SYSTEM TO BEGIN WITHIN 8 INCHES OF PERIMETER WALL.
4. GRID LATERAL FORCE BRACING: BEGIN WITHIN 6 FEET OF PERIMETER AND WITHIN 2 INCHES OF CROSS RUNNER INTERSECTION.
   A. (4)-NO. 12 GA. WIRES SECURED TO MAIN RUNNER AND SPLAYED 90 DEGREES FROM EACH OTHER IN PLAN AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM CEILING PLANE.
   B. BRACE AT 12 FEET O.C. EACH WAY.
5. COMPRESSION STRUT AT EACH LATERAL GRID BRACING LOCATION. STRUT TO BE ADEQUATE TO RESIST VERTICAL FORCE COMPONENT INDUCED BY BRACING WIRES, SPACED 12 FEET ON CENTER IN BOTH DIRECTIONS. STRUT TO BE COMPATIBLE WITH SUSPENSION
6. SYSTEM.
7. SYSTEM HANGERS MORE THAN 1:6 OUT OF PLUMB, PROVIDE COUNTER SLOPE HANGERS.
   WHERE HANGER WIRES ARE NOT POSSIBLE DUE TO OBSTRUCTIONS, PROVIDE TRAPEZE OR EQUIVALENT DEVICE. TRAPEZE SUSPENSION FOR SPANS EXCEEDING 48 INCHES TO BE
8. MINIMUM OF BACK-TO-BACK 1-1/4 INCH COLD ROLLED CHANNELS.
9. EACH HANGER WIRE ANCHOR TO STRUCTURE CAPABLE OF CARRYING 100 POUNDS MINIMUM.
   LIGHT FIXTURE SUPPORT: 3 / A8.20
   A. WITH SUSPENSION SYSTEMS, NO. 12 GA. HANGERS TO BE ATTACHED TO GRID MEMBERS WITHIN 3 INCHES OF EACH CORNER OF EACH FIXTURE - TANDEM FIXTURES MAY USE COMMON WIRES.
   B. LIGHT FIXTURES WEIGHING LESS THAN 56 LBS. REQUIRE (2)-NO. 12 GA. SLACK WIRES FROM FIXTURE HOUSING TO STRUCTURE ABOVE.
   C. LIGHT FIXTURES IN EXCESS OF 56 LBS. TO BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE, WIRES MUST BE TAUT.
   D. LIGHT FIXTURES TO BE POSITIVELY ATTACHED TO GRID SYSTEM. ATTACHMENT DEVICE TO CARRY 100 PERCENT OF LIGHT FIXTURE WEIGHT ACTING IN ANY DIRECTION.
10. INTERIOR PARTITION WALLS EXTENDING TO GRID THAT DO NOT ALIGN WITH 4-WAY BRACING OF GRID MUST HAVE THEIR OWN LATERAL WALL BRACING, SEE
11. PROVIDE SEISMIC JOINTS WHERE CEILING AREA EXCEEDS 2,500 SQ. FT. OR PROVIDE FULL HEIGHT PARTITION. SEE DETAIL 2 / A8.20
12. 2-INCH CLOSURE ANGLE AT PERIMETER OF EACH SUSPENDED CEILING SYSTEM AREA GREATER THAN 144 SF PER ASTM C580. (2) SIDES TO BE ATTACHED TO ADJACENT WALLS, (2) OPPOSITE ADJACENT SIDES TO BE UNATTACHED PER DETAILS 5 / A8.20
13. WHERE SPRINKLER HEADS AND OTHER PENETRATIONS OCCUR, PROVIDE 2 INCH OVERSIZED ESCUTCHEON OR ADAPTER TO ALLOW AT LEAST 1 INCH MOVEMENT IN ALL HORIZONTAL DIRECTIONS, OR PROVIDE STANDARD ESCUTCHEON AND PENETRATIONS WITH FLEXIBLE HEAD CONNECTION.

1 SBC CEILING NOTES

1 1/2" = 1'-0"

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ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

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EAST HOSPITAL
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INTERIOR DETAILS - CEILING

CONSTRUCTION DOCUMENTS

DATE 2/14/2020 | PROJECT NUMBER 191360

SHEET NUMBER
A8.20

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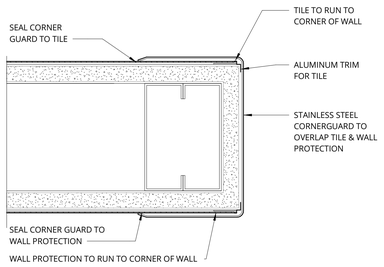
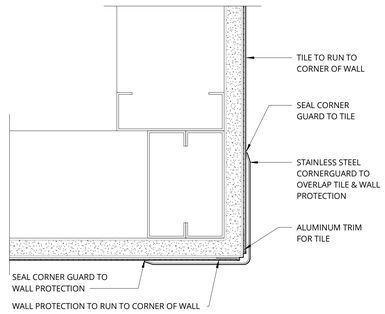
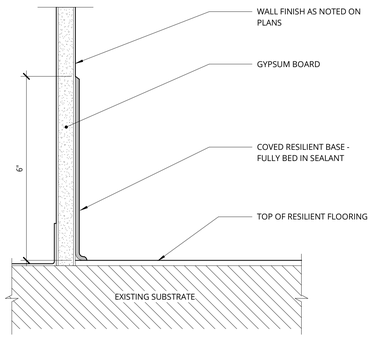


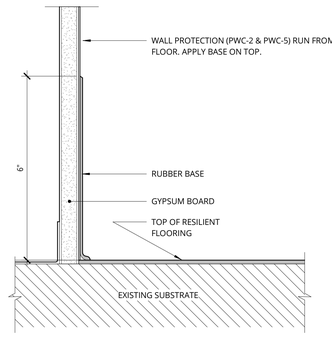
8 CORNERGUARD, CG-2
6" = 1'-0"



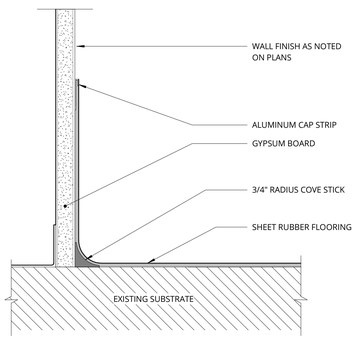
7 CORNERGUARD, CG-1 & CG-3
6" = 1'-0"



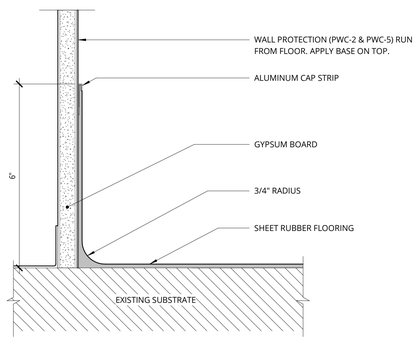
6 COVED RESILIENT BASE
6" = 1'-0"



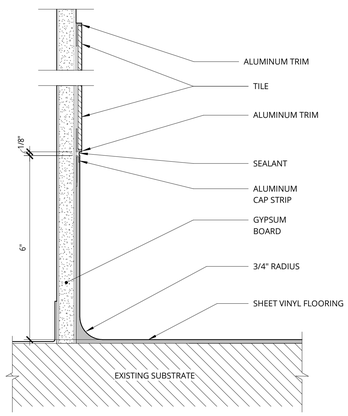
5 COVED RESILIENT BASE AT WP
6" = 1'-0"



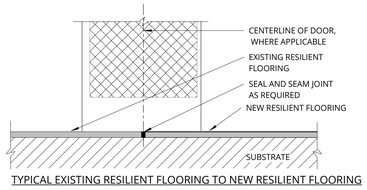
4 INTEGRAL COVED RUBBER BASE
6" = 1'-0"



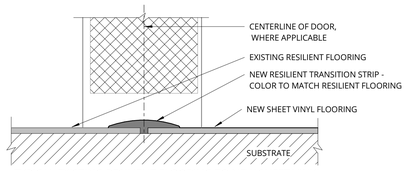
3 INTEGRAL COVED RUBBER BASE AT WP
6" = 1'-0"



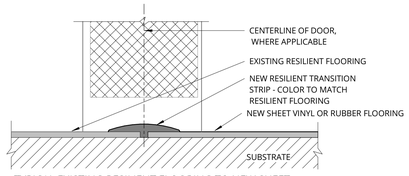
2 SV-1 ICB AT TILE
6" = 1'-0"



TYPICAL EXISTING RESILIENT FLOORING TO NEW RESILIENT FLOORING



TYPICAL EXISTING RESILIENT FLOORING TO NEW SHEET VINYL FLOORING



TYPICAL EXISTING RESILIENT FLOORING TO NEW SHEET VINYL OR RUBBER FLOORING

1 FLOORING TRANSITIONS
12" = 1'-0"

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ARCHITECTURAL
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SEATTLE, WA 98101
T 206.576.1600

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SEATTLE, WA 98104
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REV.	DATE	REASON FOR ISSUE

INTERIOR DETAILS - FLOOR

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

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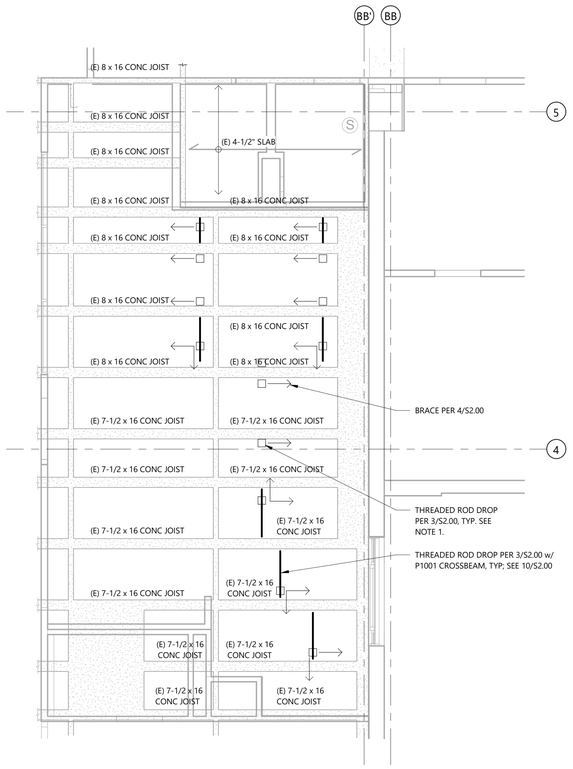
A8.21

2/14/2020 2:19:47 PM



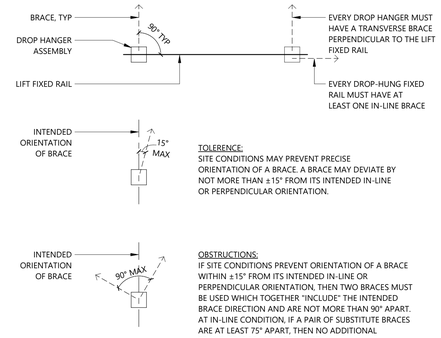
NOTE:
1. THREADED ROD DROP SUPPORTS HAVE BEEN DESIGNED FOR A MAXIMUM POINT LOAD OF 1000 LB.

1 8th FLOOR PARTIAL FRAMING PLAN
Scale: 1/4" = 1'-0"

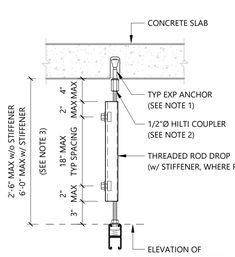
North

GENERAL NOTES

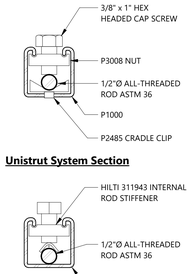
1. THIS DOCUMENT ONLY COVERS THE ATTACHMENT OF THE SECONDARY SUPPORT TO THE STRUCTURE. EXISTING INFORMATION SHOWN ON THESE DRAWINGS IS COMPILED FROM INFORMATION FURNISHED BY THE OWNER AND IS NOT FIELD VERIFIED BY THE ENGINEER. ALL INFORMATION RELATING TO EXISTING CONDITIONS SHALL BE FIELD-VERIFIED BY THE CONTRACTOR.
2. DESIGN OF DROP HANGER SUPPORTS AND ANCHORAGE TO STRUCTURE IS FOR A 1500# TEST LOAD. 1000# MAXIMUM PATIENT LOAD.
3. PART NUMBERS REFER TO UNISTRUT MEMBERS AS PUBLISHED, UNO.
4. AS AN OPTION, EQUIVALENT HILTI AND/OR SUPERSTRUT PRODUCTS AND FASTENERS MAY BE SUBSTITUTED FOR THE PARTS SHOWN, UNO.
5. ALL BOLTS, NUTS, ETC. USED TO CONSTRUCT THE STRUT SYSTEMS SHOWN ARE TO BE OF STRUT TYPE, UNO.
6. THREADED ROD TO BE A36. BOLTS GRADE 5.
7. 1/2" CHANNEL NUTS AND HEX HEAD CAP SCREWS ARE TO BE TORQUED TO 50 FT-LBS, UNO. TORQUE 1/2" SHARP-TIPPED SET SCREWS TO 21 FT-LBS (250 IN-LBS). TORQUE PUSH-BUTTONS TO 30 FT-LBS.
8. HILTI KWIK BOLT TZ EXPANSION ANCHORS PER ICC-ES ESR-1917. KWIK BOLTS ARE 1/2"Ø AS SHOWN IN DETAILS, WITH 3 1/4" MINIMUM EFFECTIVE EMBED IN 3 3/4" DEEP HOLES IN MINIMUM 4 1/2" THICK CONCRETE SLAB (UNO).
   CONTACT ENGINEER BEFORE PROCEEDING IF CONDITIONS DIFFER. HOLES MAY BE HAMMER-DRILLED OR CORE-DRILLED. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF ANCHORS.
9. DO NOT DAMAGE REBAR DURING ANCHOR DRILLING. IF REBAR IS ENCOUNTERED, STOP DRILLING AND RELOCATE ANCHOR. USE OF "REBAR EATER" TYPE DRILLS IS SPECIFICALLY PROHIBITED. THIS PROVISION DOES NOT APPLY FOR SLABS ON METAL DECK.
10. ANY SUBSTITUTION NOT SPECIFICALLY COVERED IN THIS DOCUMENT MUST BE SUBMITTED FOR APPROVAL.



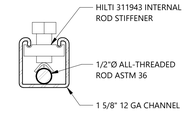
2 Typical Drop Hanger Location & Bracing Requirements
Scale: 1/2" = 1'-0"



Typical Elevation at Hanger Rod

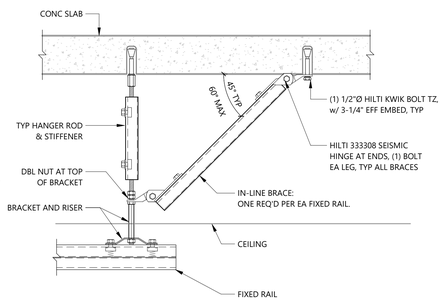


Unistrut System Section

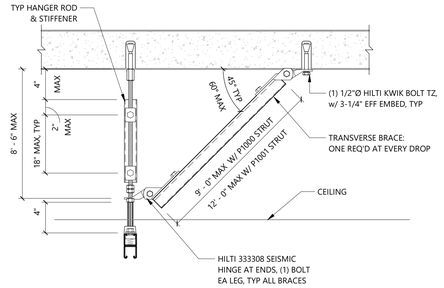


Hilti System Section

NOTE:
1. USE CHANNEL NUTS WHERE HANGER ROD ATTACHES TO UNISTRUT MEMBER ABOVE.
2. USE TRANSITION COUPLER IF ROD IS DIFFERENT SIZE THAN ANCHOR.
3. CONTACT ENGINEER IF DROP HANGER LONGER THAN 6'-0" IS REQUIRED



Side View



End View

NOTE:
1. TRANSVERSE BRACE NOT SHOWN FOR CLARITY.

NOTE:
1. IN-LINE BRACE NOT SHOWN FOR CLARITY.

3 Typical Vertical Hanger Rod and Stiffener
Scale: 1 1/2" = 1'-0"

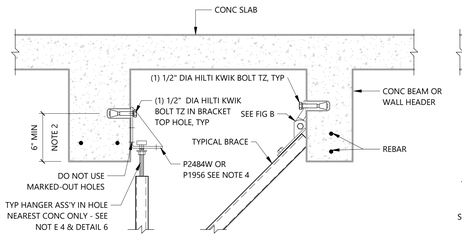


Figure A

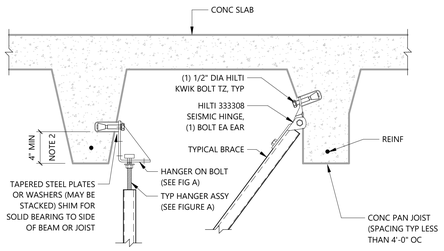


Figure B

NOTE:
1. DO NOT DRILL INTO BOTTOM FACE OF JOISTS, BEAMS OR HEADERS.
2. DRILL INTO SIDES OF CONCRETE BEAMS AND HEADERS A MINIMUM OF 6" ABOVE BOTTOM EDGE. DRILL CONCRETE PAN JOISTS A MINIMUM OF 4" ABOVE BOTTOM EDGE.
3. BRACE ATTACHMENT TO CONCRETE WALL SIMILAR TO ABOVE.
4. USE P2484W OR P1956 ONLY. ANY SUBSTITUTION MUST BE PRE-APPROVED BY ENGINEER. THE P2484W AND P1956 ARE HEAVY (1/4") BRACKETS WITH FULLY WELDED GUSSET CORNERS. BENT BRACKETS WITH UN-WELDED CORNERS ARE NOT ACCEPTABLE.
5. FIGURE A ABOVE SHOWS TYPICAL DROP AND BRACE ATTACHMENTS TO SQUARE-SIDED CONCRETE BEAMS. FIGURE B ABOVE SHOWS SIMILAR CONNECTIONS TO SLIP-SIDED CONCRETE JOISTS. FIGURE C ABOVE SHOWS HOW GRAVITY CONNECTIONS MAY BE COMBINED WITH TYPICAL TRAPEZE DETAIL TO PROVIDE DROP LOCATIONS BETWEEN CONCRETE BEAMS/JOISTS/WALLS/HEADERS WHERE SLAB ATTACHMENT IS NOT PRACTICAL. TYPICAL BRACING REQUIREMENTS STILL APPLY.
   IF DROP IS BRACED TO STRUT CROSS BEAM, BRACE BEAM TO STRUCTURE. SEE DETAIL 7 FOR ADDITIONAL INFO.

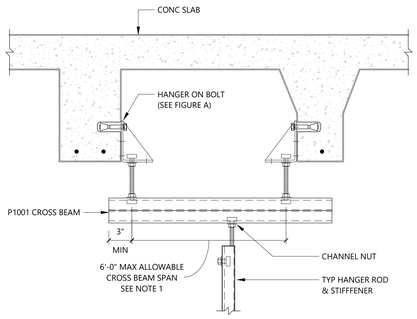
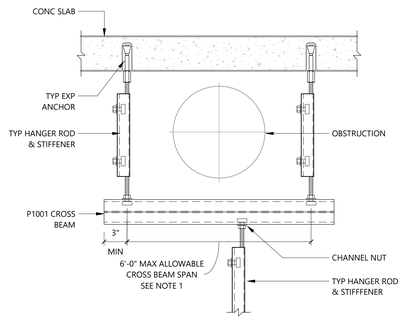


FIG. C

4 Typical 1000# Cap Ceiling Drop Support W/ Attachment to Concrete Slab Above
Scale: 1 1/2" = 1'-0"



NOTE:
1. CONTACT ENGINEER OF RECORD FOR LONGER SPANS.
2. IF HANGER SYSTEM IS BRACED TO CROSS BEAM, BRACE CROSS BEAM TO STRUCTURE.

5 Alt Attachment Options to (E) Conc Joist, Wall or Beam
Scale: 1 1/2" = 1'-0"

6 Trapeze Assembly at Obstruction
Scale: 1 1/2" = 1'-0"

MARJORIE A. LINDSAY
STATE OF WASHINGTON
21563
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104

UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

PARTIAL FRAMING PLANS & DETAILS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 19-142-01

SHEET NUMBER
S2.00

S:\2019\19-142-01 HMC 8EH Pediatric Burn PT Remodel\CAD\19-142-01 HMC 8EH Pediatric Burn PT Remodel - R18.rvt

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GENERAL NOTES

1. THE SCOPE OF THE MECHANICAL WORK CONSISTS OF WORK SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS. IN CASE OF CONFLICT, THE SPECIFICATIONS SHALL GOVERN. PROVIDE A COMPLETE & FUNCTIONAL SYSTEM.
2. PERFORM ALL WORK IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND PAY FOR ALL FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION. PAY ALL ROYALTIES OR FEES REQUIRED IN CONNECTION WITH THE USE OF PATENTED DEVICES AND SYSTEMS.
3. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING LOUVERS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS, LOCATE MECHANICAL DEVICES SUCH AS TEMPERATURE SENSORS, HUMIDISTATS, PANELS, ETC. SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (WAINSCOT, DOOR HARDWARE, ETC.) NOR WITH ELECTRICAL SYSTEM (LIGHT SWITCHES, SPEAKERS, OUTLETS, ETC.).
4. COORDINATE WITH OTHER TRADES:
   A. REFER TO ELECTRICAL DRAWINGS AND CONFIRM ELECTRICAL CHARACTERISTICS SHOWN FOR MECHANICAL EQUIPMENT (VOLTAGE, PHASE, HZ, ETC). MATCHES THAT OF THE MECHANICAL EQUIPMENT PROVIDED.
   B. PROVIDE ADEQUATE CLEARANCE OF MECHANICAL WORK FROM ELECTRICAL EQUIPMENT. MAINTAIN MINIMUM ACCESS OF 6-INCHES ABOVE CABLE TRAYS AND 18-INCHES TO THE SIDE OF CABLE TRAYS. CLEARANCE ABOVE CABLE TRAY SHOULD BE 1/2 THE WIDTH AND NOT LESS THAN 6-INCHES WHEN RUNNING PARALLEL WITH CABLE TRAY. AND NOT LESS THAN 6-INCHES WHEN RUNNING PERPENDICULAR TO THE CABLE TRAY.
5. ARRANGE EQUIPMENT SO THAT ACCESS CLEARANCES INDICATED BY DRAWINGS, REQUIRED BY CODES, OR RECOMMENDED BY MANUFACTURER ARE PROVIDED.
6. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTED SUBMITTALS. INSTALL MATERIAL IN PROPER RELATION TO ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK.
7. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK.
8. COMPLY WITH SEATTLE ENERGY CODE SECTION C408.1.3 DOCUMENTATION REQUIREMENTS INCLUDING ALL LOCAL JURISDICTION AMENDMENTS. INCLUDE THE DEVELOPMENT OF CONSTRUCTION AND AS-BUILT DRAWINGS, PROJECT MANUALS, AND SYSTEM BALANCING REPORTS.
9. PURSUANT TO SECTION C408.1.3 OF THE SEATTLE ENERGY CODE, THE HVAC CONTROL SYSTEM SHALL BE TESTED TO ENSURE THAT THE CONTROL DEVICES, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
10. THE COMMISSIONING SPECIFICATION, INCLUDING ALL FUNCTIONAL TEST PROCEDURES, SHALL BE PROVIDED AND ENFORCED BY THE CONTRACTOR.
11. PROVIDE SEISMIC RESTRAINT IN ACCORDANCE WITH IBC AND ASCE STANDARD 7. SUBMIT CALCULATIONS BY LICENSED STRUCTURAL ENGINEER. PRODUCTS MAY CONFORM TO SMACNA SEISMIC RESTRAINT GUIDELINES.
12. PROVIDE A SINGLE SUBMITTAL OF ALL MECHANICAL EQUIPMENT AS SPECIFIED. AS A MINIMUM, SUBMIT PRODUCT DATA FOR ALL EQUIPMENT AND FIXTURES LISTED IN ACCOMPANYING SCHEDULES FOR APPROVAL.
13. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
14. ARRANGEMENT OF SYSTEMS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC, AND INDICATES THE MINIMUM REQUIREMENTS FOR PLUMBING AND MECHANICAL WORK. ADJUST TERMINAL UNIT LOCATIONS, BASED ON FIELD MEASUREMENTS, TO AVOID INSTALLATION ABOVE DESKS, SITE CONDITIONS SHALL DETERMINE THE ACTUAL ARRANGEMENT OF THE WORK. TAKE FIELD MEASUREMENTS BEFORE PREPARING SHOP DRAWINGS, OBTAIN APPROVAL OF SHOP DRAWINGS BEFORE BEGINNING FABRICATION. BE RESPONSIBLE FOR ACCURACY OF DIMENSIONS AND LAYOUT. OVERHEAD PIPING AND DUCTWORK SHALL BE ARRANGED TO OBTAIN MAXIMUM HEAD ROOM.
15. CLEAN AND PROTECT WORK FROM DAMAGE. RESTORE DAMAGED FINISHES. COVER ENDS OF PIPING AND DUCTWORK NOT ACTIVELY BEING WORKED ON.
16. MODIFY AND EXTEND EXISTING SERVICE TO ACCOMMODATE NEW WORK. RELOCATE EXISTING COMPONENTS AS REQUIRED FOR NEW SYSTEM. COORDINATE WITH BUILDING MANAGEMENT.
17. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
18. DO NOT CUT STRUCTURAL ELEMENTS WITHOUT PRIOR WRITTEN APPROVAL.
19. CONCEAL PIPING AND DUCTWORK TO THE GREATEST EXTENT POSSIBLE.
20. INSTRUCT OWNER IN PROPER OPERATION OF SYSTEMS.
21. DRAWINGS DO NOT SHOW ALL OFFSETS WHICH MAY BE REQUIRED. MAKE OFFSETS WITH FITTINGS USING THE LEAST ANGLE OF OFFSET POSSIBLE. DUCTWORK & PIPING SHALL BE ROUTED TO AVOID ALL STRUCTURAL SUPPORTS, AND COORDINATED WITH WORK OF OTHER TRADES.
22. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION (SEATTLE).

    INTERNATIONAL BUILDING CODE (IBC) - SEATTLE AMENDMENTS
    INTERNATIONAL MECHANICAL CODE (IMC) - SEATTLE AMENDMENTS
    UNIFORM PLUMBING CODE (UPC) - SEATTLE AMENDMENTS
    INTERNATIONAL FIRE CODE (IFC) - SEATTLE AMENDMENTS
    SEATTLE ENERGY CODE WITH LOCAL AMENDMENTS

SHEETMETAL NOTES

1. PERFORM ALL SHEETMETAL WORK IN ACCORDANCE WITH CURRENT SMACNA STANDARDS.
2. DUCT SEALING SHALL MEET REQUIREMENTS LISTED IN CHAPTER 6 OF IMC AND SEATTLE ENERGY CODE WITH LOCAL AMENDMENTS. IN ADDITION, PROVIDE SEAL CLASS A FOR ALL DUCTWORK.
3. CONSTRUCT DUCTS WITH G-90 OR BETTER GALVANIZED STEEL (ASTM 527) LFQ.
4. CONSTRUCT RECTANGULAR DUCTWORK TO MEET ALL FUNCTIONAL CRITERIA DEFINED IN CHAPTER 11, OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS. PROVIDE DIAGONAL CREASING OR BEADING ON ALL PANELS WIDER THAN 18-INCHES, AND PANELS LESS THAN 18 GAGE. CONSTRUCT ROUND AND FLAT OVAL DUCTWORK IN ACCORDANCE WITH CHAPTER 3 OF SMACNA HDCS.
5. DUCTMATE, METU, OR W.D.C.I. DUCT CONNECTION SYSTEMS ARE ACCEPTABLE. DUCTS CONSTRUCTED USING THESE SYSTEMS WILL REFER TO THE MANUFACTURER'S GUIDELINES FOR SHEET GAGE, INTERMEDIATE REINFORCEMENT SIZE AND SPACING, AND JOINT REINFORCEMENTS.
6. PROVIDE COLLARS WHEREVER AN EXPOSED DUCT PASSES THROUGH A WALL, SLAB, OR CEILING:1-INCH WIDE, 18-GAGE ANGLE WITH MITERED CORNERS & SEAL WITH FIBERGLASS AND MASTIC.
7. SPIN-IN FITTINGS SHALL BE CONICAL TYPE WITH VOLUME DAMPER, AND QUADRANT; FLEX MASTER ELGEN OR EQUIVALENT.
8. ELBOWS IN RECTANGULAR OR SQUARE DUCTWORK SHALL HAVE AN INSIDE RADIUS EQUAL TO DIMENSION OF ELBOW IN THE PLANE OF THE TURN.
9. ELBOWS IN ROUND DUCTWORK SHALL HAVE THE INSIDE RADIUS EQUAL TO DIMENSION OF ELBOW IN THE PLANE OF THE TURN. USE SEGMENTED, STANDING SEAM, PLEATED, OR STAMPED ELBOWS. ADJUSTABLE ELBOWS ARE ALLOWED IF RADIUS CONFORMS TO ABOVE.
10. SQUARE CORNER INSERTS (TURNING VANES) SHALL BE SMACNA FIG. 4.3 DOUBLE THICKNESS, RUNNER TYPE 2 WITH 2-1/8-INCH SPACING.
11. VOLUME DAMPERS ARE NOT SHOWN GENERALLY. INCLUDE A DAMPER IN THE DUCT TO EACH SUPPLY, EXHAUST, OR RETURN OPENING; ALSO IN EACH BRANCH DUCT WHERE THREE OR MORE OPENINGS ARE ASSOCIATED WITH THE BRANCH. LOCATE DAMPERS AT A POINT WHERE THE DUCT IS ACCESSIBLE; AS FAR FROM THE OUTLET AS POSSIBLE. DO NOT PROVIDE VOLUME DAMPER ON SUPPLY DUCTWORK UPSTREAM OF TERMINAL UNITS. DAMPERS SHALL BE RUSKIN MD25 OR MDRS25.
12. THOROUGHLY CLEAN ALL DEBRIS FROM THE INSIDE OF ALL DUCTWORK AND PLENUMS.
13. MECHANICAL DRAWINGS SHOW APPROXIMATE LOCATIONS FOR GRILLES AND DIFFUSERS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS. AFTER SHOP DRAWINGS ARE COMPLETED VERIFY EXACT LOCATION OF GRILLES AND DIFFUSERS IN THE FIELD. ENSURE THAT DIFFUSER AND GRILLE FRAMES MATCH CEILING TYPES AND FINISH PRIOR TO ORDERING.
14. CONNECT FLEXIBLE DUCTS TO METAL DUCTS WITH A SLIP JOINT MADE USING FIRE RESISTANT MASTIC AND CLAMP, IDEAL "SNAP-LOCK" OR VENTLOCK "SURETIGHT NO. 670" AT EACH END. SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DO NOT INSTALL WITH ABRUPT BENDS OR OFFSETS. MAXIMUM LENGTH 5-FEET. LOW PRESSURE INSULATED FLEXIBLE DUCT SHALL BE THERMAFLEX MK-E. HIGH PRESSURE INSULATED FLEXIBLE DUCT SHALL BE THERAMFLEX MK-C.

REMODEL CONSTRUCTION NOTES

1. DEMOLITION: WORK REQUIRED IS NOTED ON PLANS. VERIFY WITH ON SITE CONDITION AND OWNER. SALVAGE EQUIPMENT FOR OWNER'S USE AS NOTED.
2. COORDINATE INTERRUPTIONS OF SERVICES PASSING THROUGH WORK AREA TO MINIMIZE DISRUPTION IN ADJACENT SPACES. COORDINATE WITH BUILDING OWNER.
3. INSTALL NEW WORK GENERALLY AS SHOWN. ADEQUATE SPACE HAS BEEN VERIFIED TO THE DEGREE POSSIBLE, BUT MAY REQUIRE MINOR RELOCATION OF SMALL CONDUIT AND CEILING WIRE. COORDINATE EXTENT OF RELOCATION WITH GENERAL CONSTRUCTION WORK.
4. COORDINATE WORK WITH GENERAL CONSTRUCTION TO MINIMIZE DUST & DUST MIGRATION.

PIPING NOTES

1. SANITARY, WASTE, AND VENT PIPING (PLASTIC NOT ALLOWED) SHALL BE NO-HUB CAST IRON OR DWV COPPER.
2. HOT AND COLD WATER PIPING SHALL BE HARD DRAWN COPPER TUBING: TYPE L, ASSEMBLED WITH WROT COPPER FITTINGS AND LEAD-AND ANTIMONY-FREE SOLDER.
3. INSULATE ALL HOT AND COLD WATER PIPING WITH GLASS FIBER INSULATION WITH ALL SERVICE JACKET. USE HEAT BONDING TAPE TO CLOSE INSULATION; STAPLES AND PRESSURE TAPE ARE PROHIBITED.
4. PROVIDE ALL REQUIRED ACCESSORIES INCLUDING SHUT-OFFS AND CLEAN-OUTS. PROVIDE COMPONENTS WHICH PREVENT BACK-SIPHONAGE OR CROSS-CONNECTIONS. PROVIDE ISOLATION DEVICES TO REDUCE SOUND TRANSMISSION.
5. PROVIDE STOPS FOR EACH WATER CONNECTION TO EACH FIXTURE OR ITEM OF EQUIPMENT.
6. DISINFECT WATER DISTRIBUTION SYSTEM. FLUSH AND TEST ALL SYSTEMS FOR PROPER OPERATION. ADJUST SYSTEM TO PREVENT WATER HAMMER.
7. REFER TO PIPING DIAGRAMS AND DETAILS FOR REQUIRED FITTINGS, VALVES, ETC. FLOOR PLANS AND SECTIONS INDICATE EQUIPMENT LOCATIONS AND GENERAL PIPE ROUTING ONLY.
8. REFER TO CIVIL DRAWINGS FOR UTILITY WORK 5'-0" BEYOND THE BUILDING LINE.

ENERGY CODE MECHANICAL NOTES

1. WHERE USED TO CONTROL BOTH HEATING AND COOLING, ZONE THERMOSTATIC CONTROLS SHALL PROVIDE A TEMPERATURE RANGE OR DEADBAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS CAPABLE OF BEING SHUT OFF OR REDUCED TO A MINIMUM.
2. EACH HVAC SYSTEM SHALL HAVE CONTROLS THAT VARY THE START-UP TIME OF THE SYSTEM TO JUST MEET THE TEMPERATURE SET POINT AT TIME OF OCCUPANCY.
3. EACH ZONE SHALL BE PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM.
4. BOTH OUTDOOR AIR SUPPLY AND EXHAUST SHALL BE EQUIPPED WITH NOT LESS THAN CLASS I MOTORIZED DAMPERS.
5. WHERE A HUMIDITY CONTROL DEVICE EXISTS IT SHALL BE SET TO MAINTAIN A DEADBAND OF AT LEAST 10% RELATIVE HUMIDITY WHERE NO ACTIVE HUMIDIFICATION OR DEHUMIDIFICATION TAKES PLACE.
6. DEMAND CONTROLLED VENTILATION (DCV) SHALL BE INCLUDED FOR SPACES LARGER THAN 500 FT2 FOR SIMPLE SYSTEMS AND SPACES LARGER THAN 150 FT2 FOR MULTIPLE ZONE SYSTEMS.
7. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF LOW-PRESSURE SUPPLY AND RETURN DUCTS SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEEDED-FABRIC SYSTEMS OR TAPES INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

   EXCEPTION(S):
   A. CONTINUOUSLY WELDED AND LOCKING-TYPE LONGITUDINAL JOINTS AND SEAMS ON DUCTS OPERATING AT STATIC PRESSURES LESS THAN 2 INCHES W.G. PRESSURE CLASSIFICATION.
8. PROVIDE AN OPERATING AND MAINTENANCE MANUAL TO THE BUILDING OWNER.

MEDICAL GAS PIPING NOTES

1. DISASSEMBLY PROVISIONS: PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS TO ZONE AND OR SERVICE VALVES, GAUGES, AND OTHER COMPONENTS TO ALLOW DISASSEMBLY FOR MAINTENANCE.
2. ALL MEDICAL GAS MATERIAL PIPING SHALL BE IN ACCORDANCE WITH ASTM B819 AND SHALL MEET INSTALLATION STANDARDS PER NFPA 99 5.1.10.1. PIPING SHALL BE HARD DRAWN COPPER, NO EXCEPTIONS.
3. ALL MEDICAL GAS PIPING SHALL BE LABELED IN ACCORDANCE WITH NFPA 99 5.1.11. LOCATE ON PIPING THAT IS DIRECTLY ABOVE ACCESS PANELS AND OR REMOVABLE CEILING TILES FOR EASY REFERENCE. SEE TABLE 5.1.11, STANDARD DESIGNATION COLORS
4. ALL MEDICAL GAS BRAZING CERTIFICATES AND SYSTEM VERIFICATION TESTING SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND SHALL BE SUBMITTED TO THE STATE OF WASHINGTON, FACILITIES PLANNING & SAFETY, IN ACCORDANCE WITH NFPA 99 5.1.10.6.11, AND NFPA 99 5.1.12.3. TESTING SHALL BE IN ACCORDANCE WITH NFPA 99 5.1.12.1.5, AND SHALL INCLUDE, TESTING OF ZONES LOCATED IMMEDIATELY DOWNSTREAM OF ANY MEDICAL GAS SYSTEM MODIFICATIONS AND IMMEDIATELY UPSTREAM OF ANY MEDICAL VACCUM SYSTEM MODIFICATIONS.
5. ALL NEW MEDICAL GAS SYSTEM SERVICE SHUT-OFF VALVES SHALL BE LOCATED IN ACCORDANCE WITH NFPA 99 5.1.4.8.1.
6. ZONE VALVE ACCESS PANELS: PROVIDE IN NON-ACCESSIBLE CEILINGS AND WALLS FOR MEDICAL ZONE AND SERVICE VALVES, AND ANY ITEM THAT MAY REQUIRE ACCESS TO PROPERLY MAINTAIN OR SERVICE.

NFPA 99 CODE REFERENCES

NFPA 99, 5.1.1.4; An existing system that is not in strict compliance with the provisions of this standard shall be permitted to be continued in use as long as the authority having jurisdiction has determined that such use does not constitute a distinct hazard to life.

NFPA 99, 5.1.4.8; All station outlets/inlets shall be supplied through a zone valve as follows:
1. The zone valve shall be placed such that a wall intervenes between the valve and the outlets/inlets that it controls.
2. The zone valve shall serve only outlet/inlets located on that same story.

NFPA 99 5.1.4.8.1; Zone valves shall be readily operable from a standing position in the position in the corridor on the same floor they serve.

NFPA 99 5.1.4.8.1; Zone valves shall be readily operable from a standing position in the position in the corridor on the same floor they serve.

NFPA 99 5.1.4.8.2; Zone valves shall be arranged so that shutting off the supply of med-gas or vacuum to one zone will not affect the supply to another zone or the rest of the system.

NFPA 99 5.1.4.8.3; Pressure/vacuum indicator shall be provided on the station outlet/inlet side of each zone valve.

NFPA 99 5.1.4.8.7; A zone valve shall be located immediately outside each vital life-support, critical care, and anesthetizing location in each medical gas and/or vacuum line, and located so as to be readily accessible in an emergency.

NFPA 99 5.1.10.1; Piping Materials for Field-Installed Positive Pressure Medical Gas Systems.

NFPA 99 5.1.11; Pipe Labeling. (See Table 5.1.11 this sheet.)

ABBREVIATIONS

A	AIR, AMP
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM, ACOUSTICAL LINING
ARRGT	ARRANGEMENT
ATM	ATMOSPHERE
BC	BLOWER COIL
BDD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOS	BOTTOM OF STEEL
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CI	CAST IRON
CLG	CEILING, COOLING
CNTFGL	CENTRIFUGAL
CO	CLEANOUT
CONC	CONCRETE
COND	CONDENSATE
CONT	CONTINUE, CONTROL
COMP	COMPRESSOR
COP	COEFFICIENT OF PERFORMANCE
CP	CIRCULATING PUMP
CRU	CONDENSATE RETURN UNIT
CU	CONDENSING UNIT
CU FT	CUBIC FEET
CV	CONSTANT VOLUME
CVTR	CONVERTER
CW	COLD WATER
dB	DECIBELS
DB	DRY BULB
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DEG	DEGREE
DF	DRINKING FOUNTAIN
DI	DE-IONIZED
DIA	DIAMETER
DMPR	DAMPER
DN	DOWN
DS	DOWNSPOUT
E	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
EL	ELEVATION
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR, EXTERNAL
F	FAHRENHEIT, FIRE LINE
FD	FIRE DAMPER, FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FLA	FULL LOAD AMPS
FLR	FLOOR
FLTR	FILTER
FM	FLOW METER
FOB	FLAT ON BOTTOM
FO	FLAT OVAL
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
FT	FEET, FAN TERMINAL
FV	FACE VELOCITY
GA	GAGE
GAL	GALLONS
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
H	HUMIDIFIER, HEIGHT
HB	HOSE BIBB
HC	HEATING COIL
HD	HEAD
HEX	HEAT EXCHANGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER, HEAT PUMP
HPS	HIGH PRESSURE STEAM
HTG	HEATING
HW	HOT WATER
HWC	HOT WATER CIRCULATING
HWP	HOT WATER PUMP
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
HZ	HERTZ
ID	INSIDE DIAMETER, INDIRECT DRAIN
IE	INVERT ELEVATION
IH	INTAKE HOOD
IN	INCH
INIT	INITIAL
INT	INTERIOR
IPLV	INTEGRATED PART LOAD VALUE
KW	KILOWATT
KWH	KILOWATT HOURS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LB	POUND, LINEAR BAR
LBS	POUNDS
LD	LINEAR DIFFUSER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MD	MANUAL DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
MOD	MOTOR OPERATED DAMPER
MTR	MOTOR
NC	NORMALLY CLOSED
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NUMBER, NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN
ORL	OVERFLOW RAIN LEADER
P	PUMP, PLUMBING
PD	PRESSURE DROP
PH	PHASE
POC	POINT OF CONNECTION
POS	POSITIVE
PR	PUMPED RETURN
P/T	PRESSURE/TEMPERATURE
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RA	RETURN AIR
RD	ROOF DRAIN
REF	REFERENCE
REQD	REQUIRED
RF	RETURN FAN
RG	RETURN GRILLE
RH	RELIEF HOOD, RELATIVE HUMIDITY
RL	RAIN LEADER
RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
S	SOIL
SA	SUPPLY AIR
SD	STORM DRAIN, SMOKE DAMPER
SENS	SENSIBLE
SEER	SEASONAL ENERGY EFFICIENCY RATING
SF	SUPPLY FAN, SQUARE FEET
SG	SUPPLY GRILLE
SL	SOUNDLINING
SP	STATIC PRESSURE
SPR	SPRINKLER
SS	STAINLESS STEEL, SANITARY SEWER
STP	STANDPIPE
T	THERMOSTAT
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TOD	TOP OF DUCT
TOT	TOTAL
TP	TRAP PRIMER, TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
TU	TERMINAL UNIT
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VENT, VOLT
VA	VALVE
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
W	WASTE, WATER, WATT, WIDTH
WB	WET BULB
WG	WATER GAGE
WH	WATER HEATER, WALL HYDRANT
WTR	WATER

MECHANICAL DRAWING INDEX

SHEET #	DRAWING TITLE
M0.1	GENERAL NOTES, ABBREVIATIONS & DRAWING LIST
M0.2	LEGEND
M0.3	SCHEDULES
M2.01	HVAC DEMO PLAN 8TH FLOOR
M2.02	MED GAS DEMO PLAN 8TH FLOOR
M2.03	PIPING DEMO PLAN 8TH FLOOR
M3.01	HVAC PLAN 8TH FLOOR
M3.02	MED GAS PLAN 8TH FLOOR
M3.03	PIPING PLAN 8TH FLOOR
M5.0	DETAILS

SÄZÄN GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

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EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

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GEN NOTES, ABBREVIATIONS & DRAWING LIST

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SYMBOLS LEGEND - GENERAL

SYMBOL	DESCRIPTION
1	DRAWING CONSTRUCTION ("FLAG") NOTE
X-XX	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (HATCH)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
X / XX.XX	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
X / XX.XX	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
X / XX.XX	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
N	NORTH REFERENCE

SYMBOLS LEGEND - AIR HANDLING

SYMBOL	DESCRIPTION
	ROUND, 90° ELBOW, R/W OR R/D = 1.5
	RECTANGULAR, 90° ELBOW, R/W OR R/D = 1.5
	RECTANGULAR OR ROUND, 90° ELBOW, R/W OR R/D = 1.5
	SQUARE CORNER ELBOW WITH TURNING VANES
	45° BRANCH CONNECTION
	RECTANGULAR BRANCH TO RECTANGULAR DUCT CONNECTION WITH 45° TAPER
	ROUND OR RECTANGULAR BRANCH TO ROUND OR RECTANGULAR DUCT CONNECTION
	ROUND BRANCH TO RECTANGULAR DUCT CONNECTION
	ROUND BRANCH TO ROUND DUCT CONNECTION
	TRANSITION OR REDUCER - NOTED FOT (FLAT ON TOP) OR FOB (FLAT ON BOTTOM) IF REQUIRED
	RECTANGULAR TO ROUND TRANSITION

SYMBOLS LEGEND - PIPING

SYMBOL	DESCRIPTION
	SOIL OR WASTE
	VENT
RL	RAIN LEADER
ORL	OVERFLOW RAIN LEADER
ID	INDIRECT DRAIN
CW	COLD WATER
HW	HOT WATER
HWC	HOT WATER CIRCULATING
140°HW	140° POTABLE HOT WATER
120°HW	120° POTABLE HOT WATER
F	FIRE
SPR	SPRINKLER
STP	STANDPIPE
HPS	HIGH PRESSURE STEAM
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
	REDUCER, CONCENTRIC
	WYE STRAINER WITH CAPPED HOSE END BLOWDOWN VALVE
	ANGLE VALVE
	AUTOMATIC CONTROL VALVE - TWO WAY (PNEUMATIC OPERATOR SHOWN)
M	AUTOMATIC CONTROL VALVE - THREE WAY (ELECTRIC OPERATOR SHOWN)
	BUTTERFLY VALVE
	FLEXIBLE CONNECTION IN PIPING
MAV AAV	MANUAL AIR VENT (MAV), AUTOMATIC AIR VENT (AAV)
	PRESSURE GAUGE
	THERMOMETER
	THERMOMETER WELL
	SIGHT GLASS
	HOSE BIB

SYMBOLS LEGEND - PIPING & AIRFLOW DIAGRAMS

SYMBOL	DESCRIPTION
	PIPING OR DUCTED AIRFLOW
	NON-DUCTED AIRFLOW
	ELECTRICAL CONNECTION
	FLOW CONTINUATION ARROW
	COMPLEX INTERLOCK (ELEC., PNEUMATIC, ETC.)
	CONNECTION TO CENTRAL MONITORING AND CONTROL SYSTEM (CMCS)
	PUMP
	CENTRIFUGAL FAN
M	ELECTRIC MOTOR/STARTER ASSEMBLY
M	ELECTRIC MOTOR OPERATOR (VALVES AND DAMPERS)
	FLOOR DRAIN
	FUNNEL DRAIN
	FLOW DIRECTION

SYMBOLS LEGEND - AIR HANDLING

SYMBOL	DESCRIPTION
	POSITIVE PRESSURE DUCT - TURNING TOWARD
	POSITIVE PRESSURE DUCT - TURNING AWAY
	NEGATIVE PRESSURE DUCT - TURNING TOWARD
	NEGATIVE PRESSURE DUCT - TURNING AWAY
	ROUND DUCT - TURNING TOWARD
	ROUND DUCT - TURNING AWAY
	FLAT-OVAL DUCT - TURNING TOWARD
	FLAT-OVAL DUCT - TURNING AWAY
R	INCLINE RISE (R) OR DROP (D) IN DIRECTION OF ARROW
	FLEXIBLE CONNECTION
AD AP	ACCESS DOOR (AD) OR ACCESS PANEL (AP)
	VOLUME DAMPER
FD FD SD SD	FIRE DAMPER
SD SD FSD FSD	SMOKE DAMPER
FSD FSD	FIRE SMOKE DAMPER
M M	MOTOR OPERATED DAMPER
BDD BDD	BACKDRAFT DAMPER
	FLEXIBLE DUCT

SYMBOLS LEGEND - AIR HANDLING

SYMBOL	DESCRIPTION
X-XX	EQUIPMENT WITH EQUIPMENT IDENTIFICATION
T	THERMOSTAT
A / 10X10 / 000	DIFFUSER IDENTIFIER CONNECTION SIZE AIR FLOW (CFM) DIFFUSER TYPE MARK
	CEILING SUPPLY DIFFUSER
	CEILING RETURN DIFFUSER
	AIRFLOW, SUPPLY
	AIRFLOW, RETURN

SYMBOLS LEGEND - PIPING

SYMBOL	DESCRIPTION
S / F/T	STEAM TRAP ASSEMBLY F/T = FLOAT AND THERMOSTATIC F = FLOAT T = THERMOSTATIC B = BUCKET IB = INVERTED BUCKET I = IMPULSE O = ORIFICE
A	PIPE ANCHOR
	PIPE ALIGNMENT GUIDE
C	CONTROL VALVE STATION
PS	PIPE SUPPORT
P/T	PRESSURE/TEMPERATURE TEST PORT
	CAP
	PLUG
	UNION
	WYE STRAINER
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BALANCING OR PLUG VALVE
	NEEDLE VALVE
	PRESSURE REDUCING VALVE
	BALANCING/MEASURING VALVE
	RELIEF VALVE
	CHECK VALVE
	PIPE TURNING DOWN / AWAY
	PIPE TURNING UP / TOWARDS
	PIPE DOWN TEE
	PIPE DOWN TEE / AWAY
	PIPE UP TEE / TOWARDS

SYMBOLS LEGEND - MEDICAL GASES

SYMBOL	DESCRIPTION
O2	OXYGEN
MA	MEDICAL COMPRESSED AIR
MV	MEDICAL VACUUM
WAG	WASTE ANESTHETIC GAS
MA	MEDICAL AIR OUTLET
WAGD WAG	WASTE ANESTHETIC GAS DEVICE
N2O	NITROUS OXIDE (NITROUS)
N2	NITROGEN
CO2	CARBON DIOXIDE
ETO	ETHYLENE OXIDE
	MEDICAL GAS VALVE (SERVICE VALVE)
ZVB	ZONE VALVE BOX
MAB	MEDICAL GAS ALARM BOX
MA	MEDICAL AIR PRESSURE SENSOR
	HOSE REEL (RETRACTABLE)

SÄZÄN GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

HMC 8EH BURN UPGRADES – UW PROJECT #206970
EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
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LEGEND

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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	ROUGH-IN CONNECTION IN					REMARKS
		W	V	CW	HW	TW	
P-1	SINK	2	1-1/2	1/2	1/2	--	FIXTURE: ELKAY CUVERRO ANTIMICROBIAL COPPER MODEL LRAD202265-CU ADA SINK, 19-1/2" X 22" X6-1/2", 18 GAUGE. FAUCET: CHICAGO FAUCETS 2302 ABCP DECK MOUNTED SINGLE HOLE WITH SIDE VALVE SINGLE LEVER HOT AND COLD WATER MIXING SINK FAUCET, 5 1/4" RIGID/SWING GOOSENECK SPOUT, 2.2 GPM AERATOR, 2-3/4" LEVER HANDLE, CERAMIC VOLUME CONTROL AND HOT WATER LIMIT STOP CARTRIDGE, 3/8" COMPRESSION FLEXIBLE STAINLESS STEEL SUPPLY HOSES. DRAIN: KOHLER K-8801.
P-2	EYEWASH, DECK MOUNTED	--	--	1/2	1/2	1/2	FIXTURE: GUARDIAN EYEWASH, DECK MOUNTED, 90 DEGREE SWIVEL, LEFT HAND MOUNTING MODEL G1806LH, 1/2" IPS CHROME PLATED BRASS STAY-OPEN BALL VALVE. 1/2" NPT MALE INLET. PROVIDE GUARDIAN TEMPERING VALVE MODEL 3600LF, 6 GPM CAPACITY, HIGH TEMP LIMIT OF 90 DEGREES F, 1/2" FEMALE HOT AND COLD WATER INLETS WITH CHECK VALVES AND SUPPLY STOPS, 1/2" NPT FEMALE OUTLET.
P-3	PLASTER TRAP	2	--	--	--	--	FIXTURE: JAY R. SMITH SOLIDS INTERCEPTOR 8715, 2 INCH WASTE INLET AND OUTLET. FABRICATED STEEL BODY WITH GALVANIZED SUB-COAT AND WHITE DUCO FINISH INSIDE AND OUTSIDE, SEDIMENT STRAINER WITH REMOVABLE STAINLESS STEEL SCREENS AND CAST IRON COVER.
P-4	SINK	2	1-1/2	1/2	1/2	--	FIXTURE: ELKAY CUVERRO ANTIMICROBIAL COPPER MODEL LRAD202265-CU ADA SINK, 19-1/2" X 22" X6-1/2", 18 GAUGE. FAUCET: CHICAGO FAUCETS 201-AGN2AE29-317AB CONCEALED DECK MOUNTED TRIPLE HOLE ON 4" CENTERS, RIGID SWING 11-5/8" GOOSENECK. 2.2 GPM PRESSURE COMPENSATING, NON-AERATING, LAMINAR FLOW OUTLET. AERATOR, TWO 4" METAL, VANDAL-PROOF WRISTBLADE HANDLES. QUATURN REBUILDABLE COMPRESSION CARTRIDGE, OPENS AND CLOSES 90 DEGREES. 3/8" COMPRESSION FLEXIBLE STAINLESS STEEL SUPPLY HOSES. DRAIN: KOHLER K-8801.
P-5	SINK	2	1-1/2	1/2	1/2	--	FIXTURE: KOHLER K-2006 WALL-MOUNT SINK, WHITE WITH WALL HANGER INCLUDED. FAUCET: CHICAGO FAUCETS 786-GN8FCABCP DECK MOUNTED ON 8" FIXED CENTERS, CHROME PLATED. 8" RIGID/SWING GOOSENECK SPOUT WITH 4" WRISTBLADE HANDLES. . DRAIN: KOHLER K-8998.
P-6	INSTA-HOT	--	--	--	1/4	--	FIXTURE: INSINKERATOR MODEL H-CLASSIC-SS WITH 2/3 GALLON HOT WATER TANK, ADJUSTABLE TEMPERATURE FROM 160-210 DEGREES FAHRENHEIT. INSTANT, SELF CLOSING HOT VALVE. 115 VOLTS, 750 WATTS, 6.5 AMPS.

REMARKS:

1. COORDINATE MOUNTING HEIGHTS AND HANDING WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS.
2. MANUFACTURER LISTED IS BASIS OF DESIGN. PROVIDE LISTED OR EQUAL APPROVED BY OWNER.

SINGLE DUCT TERMINAL UNIT SCHEDULE (HOT WATER)

EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	PRIMARY AIR		HYDRONIC HEATING COIL							MAXIMUM SOUND PRESSURE OUTLET (dBA)	MAXIMUM SOUND PRESSURE RADIATED (dBA)	OPERATING WEIGHT (LBS)	REMARKS
					INLET SIZE (IN)	MAX AIRFLOW (CFM)	TOTAL LOAD (MBH)	WATER FLOWRATE (GPM)	MAX PD (FT WG)	EWT (DEG F)	LWT (DEG F)	EAT (DEG F)	LAT (DEG F)				
TU-8-3	PLAY ROOM	PLAY ROOM	TITUS	DESV	6"	350	30.0	1.0	2.32	180	160	55	75	25	20	20	1,2,3,4
TU-8-4	PLAY ROOM	PLAY ROOM	TITUS	DESV	8"	350	30.0	1.0	2.32	180	160	55	75	25	20	20	1,2,3,4
TU-8-5	PHYSICAL THERAPY	PHYSICAL THERAPY	TITUS	DESV	6"	350	30.0	0.8	2.32	180	160	55	75	25	20	20	1,2,3,4
TU-8-6	PHYSICAL THERAPY	PHYSICAL THERAPY	TITUS	DESV	8"	350	30.0	0.8	2.32	180	160	55	75	25	20	20	1,2,3,4
TU-8-7	BREAK ROOM	BREAK ROOM	TITUS	DESV	6"	350	30.0	0.8	2.32	180	160	55	75	25	20	20	1,2,3,4

REMARKS:

1. INTERLOCK THERMOSTAT WITH JOHNSON CONTROL DDC BAS.
2. CONSTANT VOLUME BOX.
3. FLEXIBLE ELASTOMETRIC FIBER-FREE LINING.
4. PROVIDE NEW CONTROL VALVES.
5. 2-ROW HOT WATER COIL.

HOT WATER FINNED TUBE RADIATION SCHEDULE

EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	SHROUD HEIGHT	FIN SIZE (IN)	FIN SPACING (FINS/FT)	MOUNT STYLE	EAT (DEG F)	WATER FLOW					% GLYCOL	LENGTH (FT)	OPERATING WEIGHT (LBS)	REMARKS
										CAPACITY (BTU/H/FT)	FLOWRATE (GPM)	MAXIMUM PD (FT)	EWT (DEG F)	LWT (DEG F)				
RH-1	PLAY ROOM	PLAY ROOM	MODINE	MODEL F	12"	4-1/4"	42	WALL	65	1020	3	0.17	180	160	0	4	--	1,2,3

REMARKS:

1. CONTROL VALVES FOR HOT WATER COIL BY OTHERS.
2. PROVIDE FLAT TOP, FRONT DISCHARGE, WALL MOUNT UNIT
3. CONTRACTOR TO COORDINATE WITH RADIANT HEATER MANUFACTURER FOR CASING BETWEEN HEATERS.

DIFFUSER-GRILLE SCHEDULE

EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	DESCRIPTION	MAXIMUM SOUND PRESSURE (dBA)	REMARKS
RG-1	CEILING	RETURN GRILLE	TITUS	350RL	STEEL RETURN GRILLE	25	1,2,3
SG-1	CEILING	SUPPLY GRILLE	TITUS	TMS	STEEL SQUARE CEILING DIFFUSER	25	1,2,3

REMARKS:

1. SEE MECHANICAL FLOOR PLANS FOR DUCT SIZE AND CFM
2. BORDER TO MATCH CEILING TYPE
3. STEEL, WHITE, CORE ONLY IN ACT, 1/2"X1/2"X1/2" GRID

ROOM AIR MATRIX SCHEDULE

ROOM NUMBER	ROOM NAME	AREA (SQ. FT.)	CEILING HEIGHT (FT)	VOLUME (CU. FT)	MINIMUM TOTAL AIR CHANGES	MINIMUM TOTAL CFM	MIN. TOTAL OUTSIDE AIR (OA) CHANGES	MINIMUM OA CFM	POS.OR NEG.	SUPPLY CFM	VENTILATION		
											RETURN CFM	OA CFM	EXHAUST CFM
8EH-37	PLAYROOM	625	8.5	5313	6	531	2	177	NA	700	700	180	
8EH-05	PHYSICAL THERAPY	690	8.5	5865	6	587	2	196	NEG	750	800	200	
8EH-01	BREAK ROOM	315	8.5	2678	6	268	2	89	NA	350	350	90	

NOTE:

SÄZÄN GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

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HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

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325 9TH AVENUE
SEATTLE, WA 98104

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1	01/16/20	DOH COMMENTS

SCHEDULES

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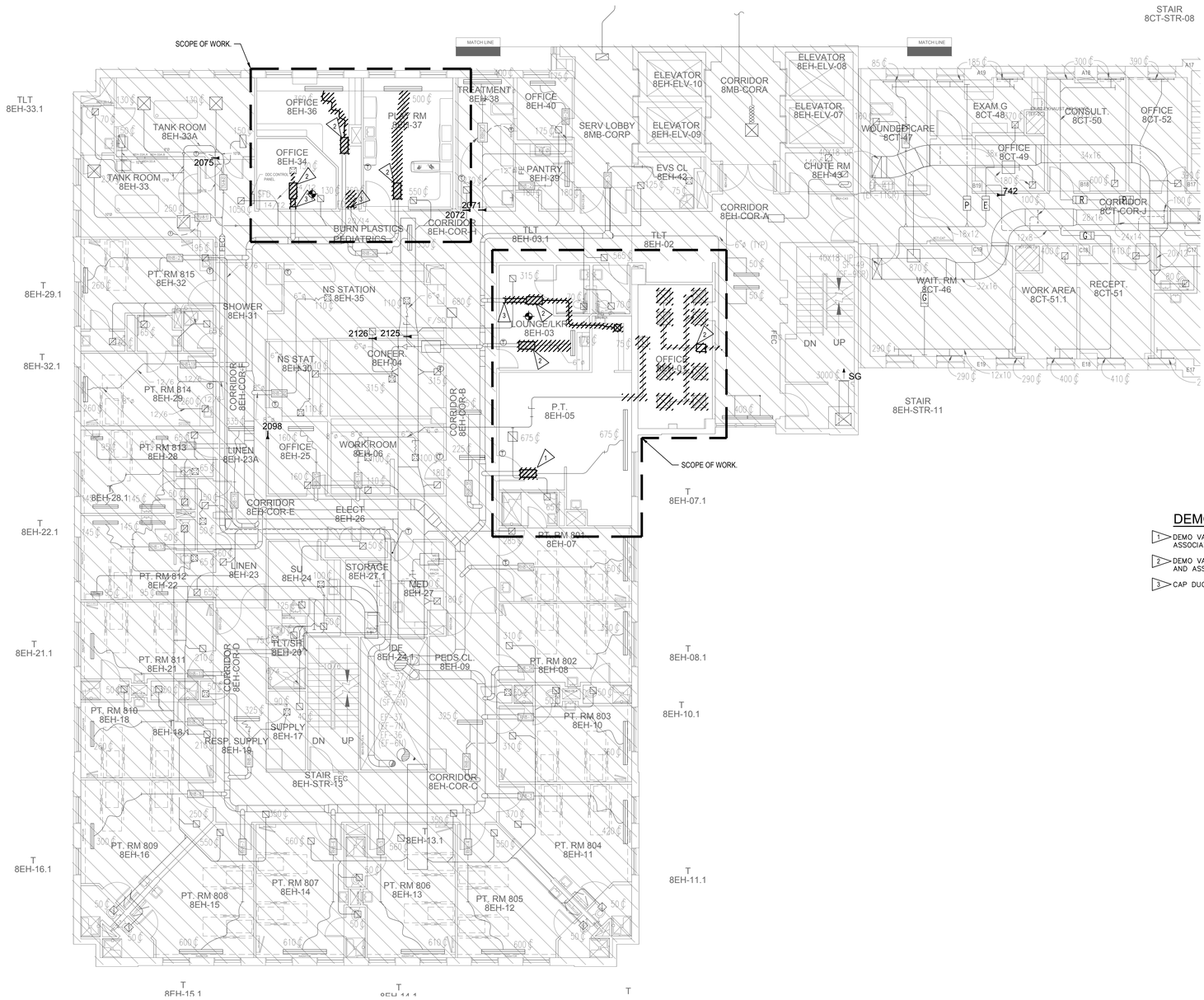
GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005



DEMOLITION NOTES :

1. DEMO VAV BOX, TEMPERATURE SENSOR AND ASSOCIATED APPURTENANCES..
2. DEMO VAV BOX AND DUCTORK, TEMPERATURE SENSOR AND ASSOCIATED APPURTENANCES.
3. CAP DUCT.

HVAC
FLOOR PLAN - 8EH BURN UNIT - REMOVAL
Scale: 1/8" = 1'-0"

0' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

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325 9TH AVENUE
SEATTLE, WA 98104
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HVAC DEMO PLAN
8TH FLOOR

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Seattle, Washington 98101
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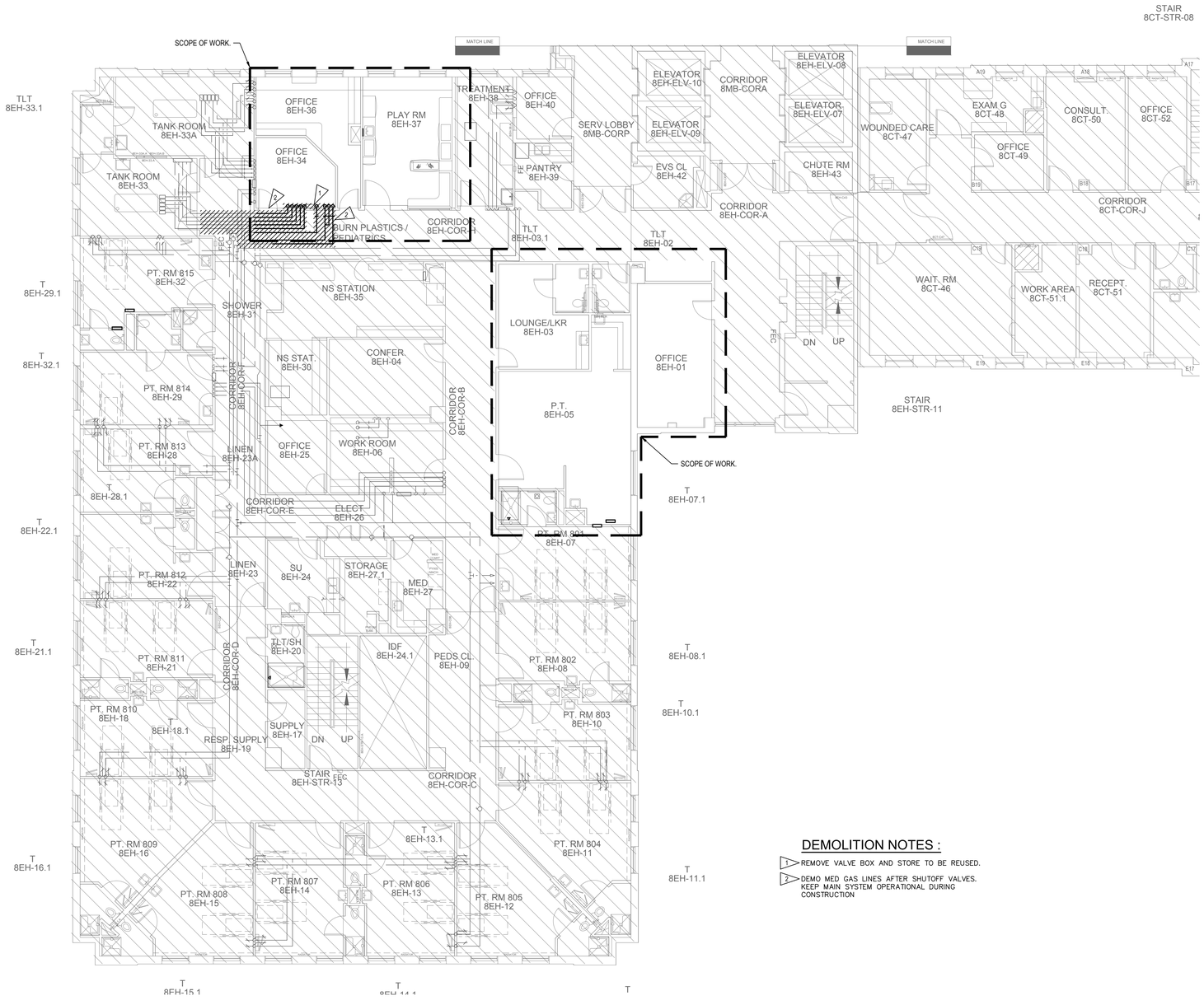
Fax 206.267.1701
SAZAN # 524-19005



DEMOLITION NOTES :

1. REMOVE VALVE BOX AND STORE TO BE REUSED.
2. DEMO MED GAS LINES AFTER SHUTOFF VALVES. KEEP MAIN SYSTEM OPERATIONAL DURING CONSTRUCTION

MED GAS
FLOOR PLAN - 8 FLOOR - REMOVAL
Scale: 1/8" = 1'-0"

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

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ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
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EAST HOSPITAL
325 9TH AVENUE
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1	01/15/20	DOH COMMENTS

MED GAS DEMO
PLAN 8TH FLOOR

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GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

GENERAL NOTES :

1. ALL DEMOLISHED LINES TO BE CUT AND CAPPED WITH A VALVE. PROVIDE ENOUGH REMAINING PIPE TO TIE INTO FOR FUTURE STATE. AMOUNT OF PIPE TO REMAIN IS DEPENDENT ON DIAMETER OF PIPE.

DEMOLITION NOTES :

1. REMOVE FIN TUBE RADIATOR. CONTRACTOR TO ISOLATE FIN TUBE FROM REST OF SYSTEM. COORDINATE SHUTDOWNS WITH OWNER.
2. DEMO SINK AND ALL ASSOCIATED PIPING BACK TO MAIN. CAP WITH VALVE FOR RE-USE.
3. DEMO SINK, KEEP ASSOCIATED SUPPLY AND WASTE PIPING FOR NEW FIXTURES.
4. SINK AND TOILET TO BE SALVAGED REMOVED FOR FUTURE USE.

PIPING
FLOOR PLAN - 8 FLOOR - REMOVAL
Scale: 1/8" = 1'-0"

2' 8'
0' 4' 16'
SCALE: 1/8" = 1'-0"

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ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

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PIPING DEMO PLAN
8TH FLOOR

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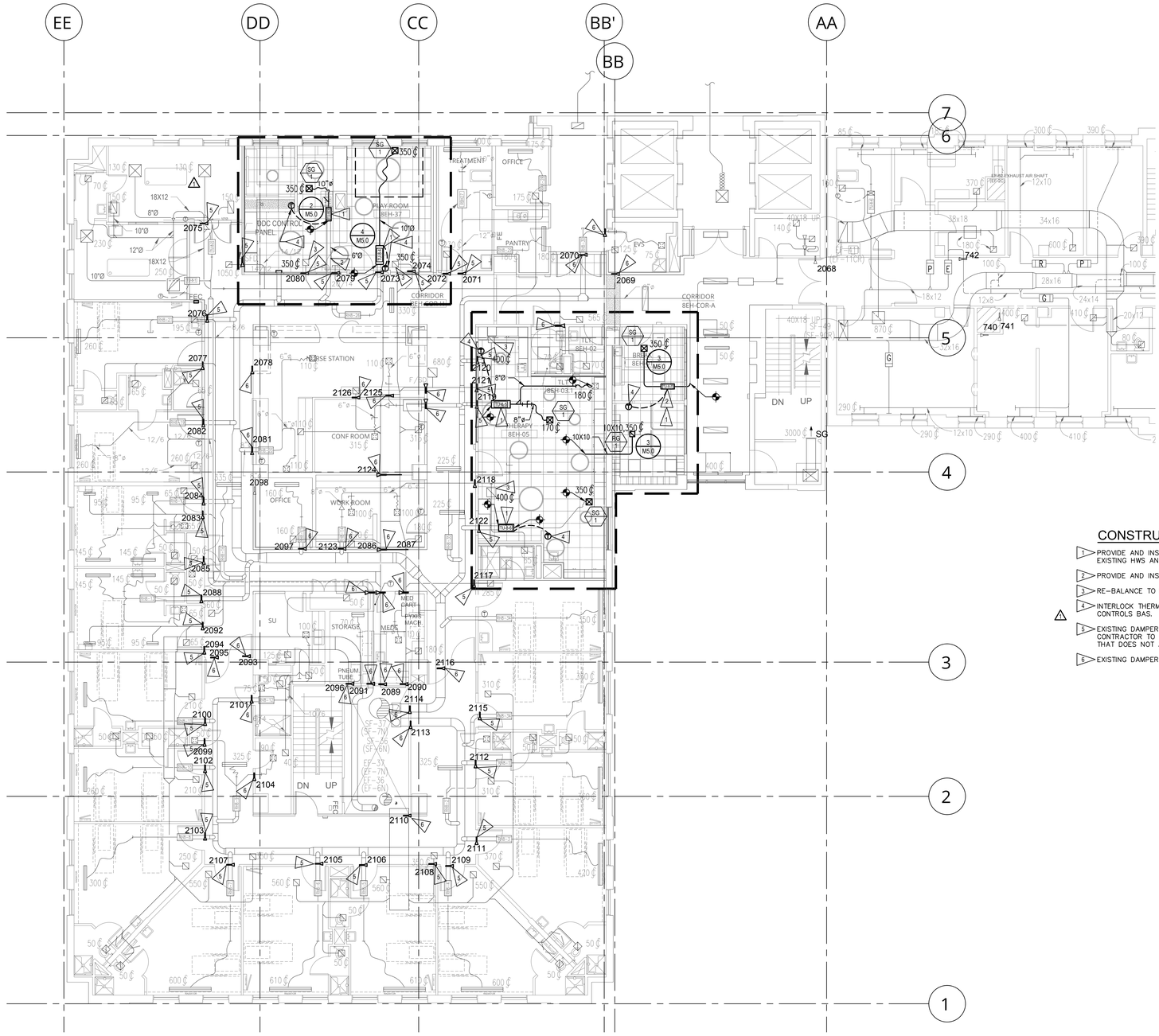

CONSTRUCTION NOTES :

1. PROVIDE AND INSTALL NEW VAV BOX. CONNECT EXISTING HWS AND HWR LINES TO NEW BOX.
2. PROVIDE AND INSTALL NEW VAV BOX AND DUCTWORK.
3. RE-BALANCE TO INDICATED CFM.
4. INTERLOCK THERMOSTAT WITH JOHNSON DDC CONTROLS BAS.
5. EXISTING DAMPER TO BE DECOMMISSIONED IN PLACE. CONTRACTOR TO DECOMMISSION DAMPER IN MANNER THAT DOES NOT AFFECT AIR FLOW.
6. EXISTING DAMPER TO REMAIN.

HVAC
FLOOR PLAN - 8EH BURN UNIT
Scale: 1/8" = 1'-0"

0' 4' 8' 16'
SCALE: 1/8" = 1'-0"

SÄZÄN
GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES – UW PROJECT #206970
EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE
1	03/12/2020	DOH COMMENTS R01

HVAC PLAN
8TH FLOOR

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
02/14/2020	191360

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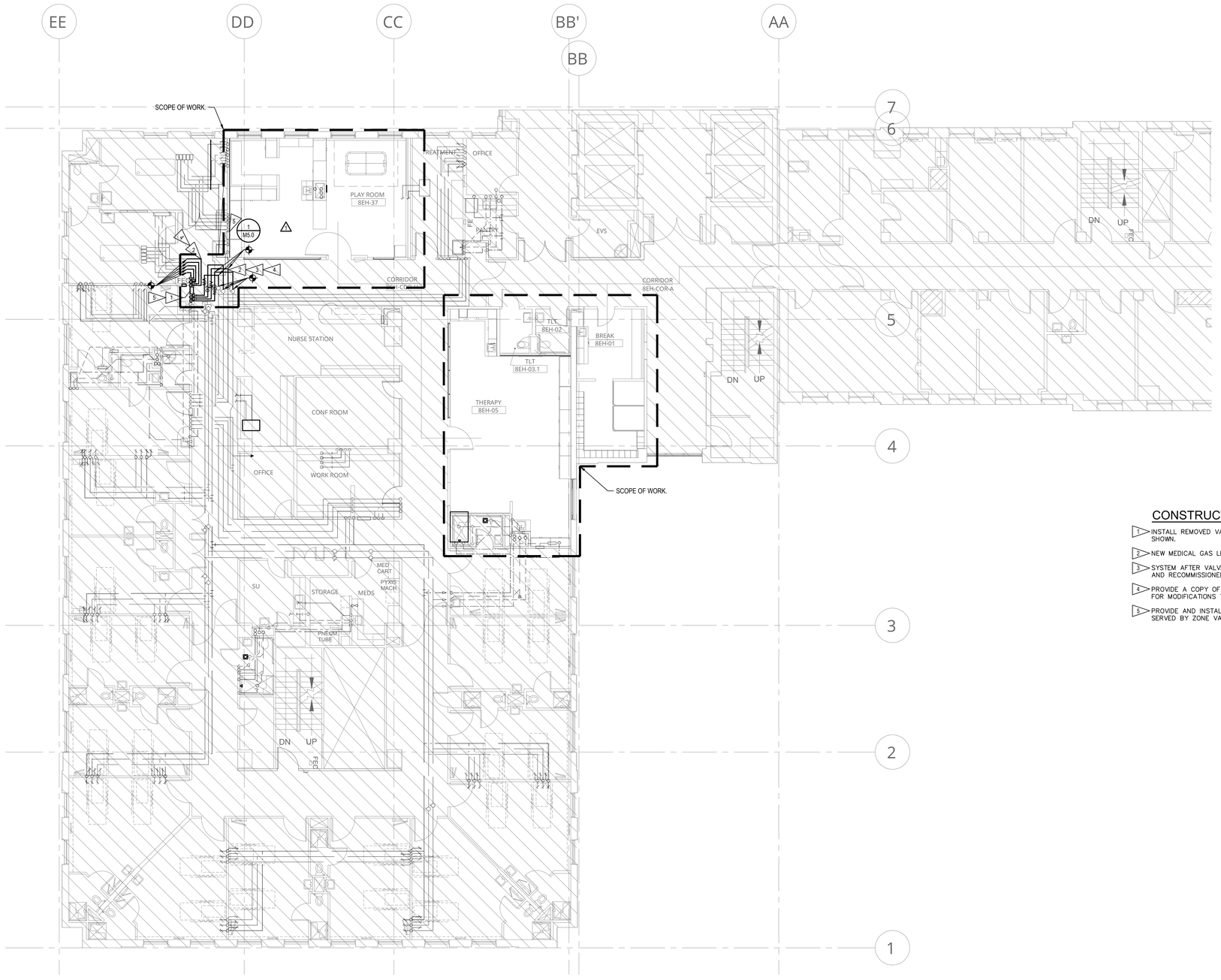
SÄZÄN
GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005



CONSTRUCTION NOTES :

1. INSTALL REMOVED VALVE BOX IN NEW LOCATION SHOWN.
2. NEW MEDICAL GAS LINES.
3. SYSTEM AFTER VALVES WILL NEED TO BE CLEANED AND RECOMMISSIONED.
4. PROVIDE A COPY OF MED GAS VERIFICATION REPORT FOR MODIFICATIONS TO EXISTING SYSTEM.
5. PROVIDE AND INSTALL CLEAR INDICATION OF ROOM SERVED BY ZONE VALVE BOX.

MED GAS
FLOOR PLAN - 8EH BURN UNIT
Scale: 1/8" = 1'–0"

0' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

HMC 8EH BURN UPGRADES – UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104

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REV.	DATE	REASON FOR ISSUE
1	01/15/20	DOH COMMENTS

MED GAS PLAN
8TH FLOOR

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
02/14/2020	191360

M3.02

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SÄZÄN
GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

CONSTRUCTION NOTES :

1. PROVIDE AND INSTALL NEW (3) 4 LIN FT OF FIN TUBE.
2. PROVIDE AND INSTALL NEW PIPING INSULATION FOR HWS AND HWR TO AND FROM RH–1, RH–2, AND RH–3.
3. PROVIDE AND INSTALL PLASTER TRAP. ALLOW 14–1/2" ABOVE TRAP FOR REMOVAL OF STRAINER. CONNECT INLET AND OUTLET WITH A SHIELDED COUPLING TO ALLOW FOR REMOVAL AND CLEANING OF ENTIRE UNIT.
4. PROVIDE AND INSTALL SPECIFIED PROTECTIVE COVER FOR EXPOSED HYDRONIC PIPING BETWEEN RADIATORS. COVER TO EXTEND UNDER CASEWORK.
5. CONTRACTOR TO FIELD VERIFY EXISTING HWS PIPE SIZE.
6. RE–INSTALL SALVAGED SINK AND TOILET.

PIPING
FLOOR PLAN - 8EH BURN UNIT
Scale: 1/8" = 1'–0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

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325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

PIPING PLAN
8TH FLOOR

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
02/14/2020	191360

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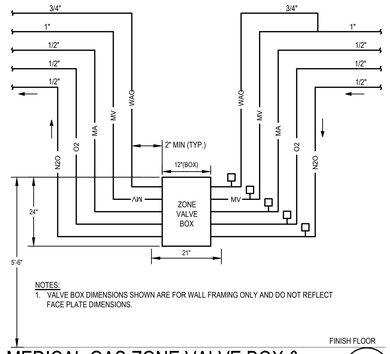
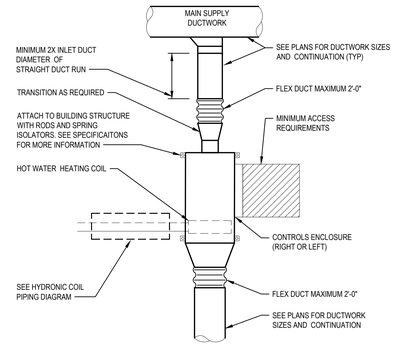


NOTES:
1. VALVE BOX DIMENSIONS SHOWN ARE FOR WALL FRAMING ONLY AND DO NOT REFLECT FACE PLATE DIMENSIONS.

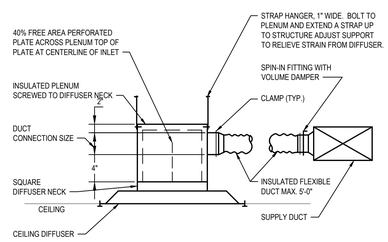
MEDICAL GAS ZONE VALVE BOX & AREA ALARM PANEL DETAIL — 1

SCALE: NTS



VAV (HW) REHEAT TERMINAL UNIT DETAIL — 2

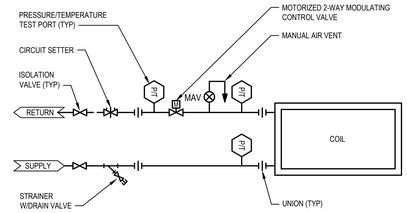
SCALE: NTS



NOTES:
1. CHECK THAT THERE IS ENOUGH HEIGHT
2. SQUARE DIFFUSER NECK IS REQUIRED - INSURE THAT SCHEDULES MATCH.

CEILING DIFFUSER W/ PLENUM DETAIL — 3

SCALE: NTS



TERMINAL UNIT PIPING DIAGRAM (2-WAY VALVE) — 4

SCALE: NTS

VAV BOX SEQUENCE OF OPERATION

VAV BOX SEQUENCE OF OPERATION

A. GENERAL:
   1. OCCUPIED AND UNOCCUPIED MODES SHALL BE BASED ON TIME OF DAY SCHEDULE CONFIRMED BY THE OWNER.

B. OCCUPIED MODE:
   1. CONSTANT AIR VOLUME (VAV) TERMINAL UNITS SHALL MAINTAIN OCCUPIED MODE SPACE TEMPERATURE SET POINT OF 70F AS SENSED BY TS-1.
   2. WHEN SPACE TEMPERATURE FALLS BELOW THE HEATING SET POINT OF 70F (ADJUSTABLE) THE TWO WAY HEATING CONTROL VALVE V-1 SHALL MODULATE OPEN TO MAINTAIN SET POINT.
   3. WHEN SPACE TEMPERATURE RISES ABOVE THE HEATING SET POINT OF 70F (ADJUSTABLE) THE TWO WAY HEATING CONTROL VALVE V-1 SHALL BE CLOSED.

C. UNOCCUPIED MODE:
   1. CONSTANT AIR VOLUME (VAV) TERMINAL UNITS SHALL MAINTAIN UNOCCUPIED MODE SPACE TEMPERATURE SET POINT OF 55F AS SENSED BY TS-1.
   2. WHEN SPACE TEMPERATURE FALLS BELOW THE HEATING SET POINT OF 55F (ADJUSTABLE) THE TWO WAY HEATING CONTROL VALVE V-1 SHALL MODULATE OPEN TO MAINTAIN SET POINT.
   3. WHEN SPACE TEMPERATURE RISES ABOVE THE HEATING SET POINT OF 55F (ADJUSTABLE) THE TWO WAY HEATING CONTROL VALVE V-1 SHALL BE CLOSED.
   4. IF T-S1 PUSH BUTTON IS ACTIVATED UNOCCUPIED MODE, SYSTEM SHALL BE PLACED IN OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE).

D. MORNING WARM-UP:
   1. V-1 OPEN UNTIL TS-1 IS SET TO OCCUPIED TEMP.

VAV TERMINAL UNIT CONTROL DIAGRAM — 5

SCALE: NTS

SÄZÄN GROUP
600 Stewart St., Ste 1400
Seattle, Washington 98101
Tel 206.267.1700
Fax 206.267.1701
SAZAN # 524-19005

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600
Ankrom Moisan

HMC 8EH BURN UPGRADES – UW PROJECT #206970
EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

DETAILS

CONSTRUCTION DOCUMENTS

DATE 02/14/2020
PROJECT NUMBER 191360

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SYMBOLS AND ABBREVIATIONS

TELECOM

- OUTLET (WALL MOUNTED)
- OUTLET (FLOOR, FLUSH MOUNTED)
- OUTLET (CEILING MOUNTED)
- WAP — WIRELESS ACCESS POINT

TELECOM OUTLET TYPES

- 1 — INDICATES QUANTITY OF DATA JACKS. PULLSTRING ALWAYS PROVIDED. WHERE NO QUANTITY IS NOTED, 2 DATA JACKS AND PULLSTRING.
- AC — MOUNTED 3" ABOVE COUNTER BACKSPLASH
- W — TELEPHONE HANDSET OUTLET (WALL MOUNTED)

TELECOM - MISCELLANEOUS

- CABLE TRAY WITH FLANGE SIDE RAILS AND LADDER RUNGS
- RUNWAY CABLE TRAY
- J — BUNDLED CABLE SUPPORT, J-HOOK SYSTEM
- TGB — TELECOMMUNICATIONS GROUNDING BAR
- TMGB — TELECOMMUNICATIONS MAIN GROUNDING BAR

FIRE ALARM

- SMOKE DETECTOR
- D — SMOKE DETECTOR (DUCT MOUNTED)
- STROBE LIGHT (WALL MOUNTED)
- CM — CONTROL MODULE
- D — SMOKE/FIRE DAMPER CONNECTION
- D — SMOKE DOOR RELEASE MECHANISM, COMBINATION DOOR CLOSER/HOLDER TYPE
- F — MANUAL STATION (WALL MOUNTED)
- F — SPEAKER (CEILING, FLUSH MOUNTED)
- F — SPEAKER (WALL MOUNTED)
- F — SPEAKER AND STROBE LIGHT (WALL MOUNTED)
- FATC — TERMINAL CABINET
- FAIP — FIRE ALARM INTERFACE PANEL
- I — REMOTE INDICATION LIGHT
- L — VISUAL ALARM LIGHT (WALL MOUNTED)
- M — SMOKE DOOR RELEASE MECHANISM, MAGNETIC TYPE (WALL MOUNTED)
- MM — MONITOR MODULE
- MP — MONITOR POINT
- R — ROLLING DOOR RELEASE MECHANISM

AUDIO VISUAL

- SC — AUDIO VISUAL RACK
- CONTROL PANEL (WALL MOUNTED), TWO GANG
- VD 1 — 98" VIDEO DISPLAY (WALL, SURFACE MOUNTED)
- VD 2 — 2X2 VIDEO WALL (WALL, SURFACE MOUNTED)
- AV — AUDIO VISUAL PANEL (WALL MOUNTED), FOUR GANG
- S — SPEAKER (CEILING MOUNTED)

NURSE CALL AND PATIENT MONITORING

- NURSE ASSIST BUTTON
- TOILET EMERGENCY STATION
- DOME LIGHT (CEILING MOUNTED)
- T — DOME LIGHT WITH TONE (CEILING MOUNTED)
- Z — ZONE DOME LIGHT (CEILING MOUNTED)
- A — ANNUNCIATOR (WALL MOUNTED)
- A — ANNUNCIATOR (DESK MOUNTED)
- CB — CODE BLUE STATION
- D — DUTY STATION
- NA — NURSE ASSIST ANNUNCIATOR
- S — STAFF STATION

MEDICAL MISCELLANEOUS

- MGAP — MEDICAL GAS ALARM PANEL

ELECTRONIC SECURITY

- DEVICE IDENTIFICATION
- CCTV CAMERA
- 360° — CCTV CAMERA, 360° FIELD OF VIEW
- F — CCTV CAMERA, FIXED POSITION
- PTZ — CCTV CAMERA, PAN/TILT/ZOOM
- A — MULIT-TONE ALARM (CEILING MOUNTED)
- ACP — ACCESS CONTROL PANEL
- CR — CARD READER
- DA — DURESS ALARM BUTTON
- DA — VOICE DURESS ALARM (WALL MOUNTED)
- DS — DOOR CONTACT SWITCH
- EL — ELECTRIC LOCK
- M — MAGNETIC LOCK
- EX — ELECTRIC LATCH RETRACTION
- KP — KEYPAD
- CNT — CONTROLLER
- RE — REQUEST TO EXIST DETECTOR
- PS — MAGNETIC DOOR POSITION SWITCH
- MULTI — MULTIPLEXER

LIGHTING

CIRCUITS EMERGENCY	CIRCUITS NORMAL	DESCRIPTION
N/A	a	LOWER-CASE LETTER NEAR FIXTURE DENOTES SWITCH LEG, TYP
		RECESSED RECTANGULAR FIXTURE, DRAWN TO SCALE
		RECESSED CIRCULAR FIXTURE, DRAWN TO SCALE
		WALL MOUNTED RECTANGULAR FIXTURE, LENGTH TO SCALE (NUMBER OF MOUNTING POINTS WILL VARY WITH FIXTURE LENGTH AND ARE NOT INDICATED)
		RECESSED DOWNLIGHT FIXTURE
		WALL MOUNTED FIXTURE
		WALL MOUNTED RECESSED LINEAR FIXTURE, LENGTH TO SCALE
	N/A	EXIT SIGN, FILLED SIDES ARE ILLUMINATED, DIRECTIONAL ARROWS AS INDICATED
N/A		CEILING MOUNTED WALL WASH FIXTURE, OPEN AREA INDICATES DIRECTION OF ILLUMINATION
N/A		CEILING MOUNTED LINEAR WALL WASH FIXTURE, LENGTH TO SCALE
N/A		UNDERCOUNTER TASK LIGHT
$##	$##	FIXTURE IDENTIFICATION, SEE LIGHTING FIXTURE SCHEDULE

LIGHTING SWITCHES AND CONTROLS

- $ a — LOWER-CASE LETTER NEAR SWITCH DENOTES CIRCUIT CONTROLLED (TYP)
- $ — SINGLE POLE SWITCH
- $ 3 — 3-WAY SWITCH
- $ K — KEY OPERATED SWITCH
- $ LV — MOMENTARY CONTACT, LOW VOLTAGE SWITCH
- $ O — OCCUPANCY SENSOR SWITCH
- DIMMER SWITCH
- OS — CEILING MOUNTED OCCUPANCY SENSOR SWITCH
- PC — PHOTOCELL CONTROL

RECEPTACLES

CIRCUITS EMERGENCY	CIRCUITS NORMAL	DESCRIPTION
		DUPLEX RECEPTACLE 120V
		DOUBLE DUPLEX RECEPTACLE 120V
		SPLIT WIRED RECEPTACLE, 120V, TOP SWITCHED
		RECEPTACLE 208V OR 240V, SINGLE PHASE
		DUPLEX RECEPTACLE, CEILING MOUNTED
N/A		MULTI-OUTLET ASSEMBLY (DEVICES AS INDICATED)

RECEPTACLE TYPES

- AC — MOUNTED 3" ABOVE COUNTER BACKSPLASH
- USB — USB OUTLET
- G — GROUND FAULT CIRCUIT INTERRUPTER
- T — TAMPER RESISTANT

PANELBOARDS

- 208V SYSTEM PANELBOARD
- 480V SYSTEM PANELBOARD

ELECTRICAL RISER

- FEEDER SIZE IDENTIFICATION
- AVAILABLE FAULT CURRENT IDENTIFICATION
- ARRESTOR, SURGE
- ARRESTOR, LIGHTNING
- AUTOMATIC TRANSFER SWITCH
- SPACE — BUS SPACE
- BUS DUCT
- BUSWAY END TAP BOX
- CABLE TO BUS CONNECTION
- CAPACITOR
- CONTACT, NORMALLY OPEN AND NORMALLY CLOSED
- CIRCUIT BREAKER
- CIRCUIT BREAKER, DRAWOUT
- CIRCUIT BREAKER, DRAWOUT, MEDIUM VOLTAGE
- CIRCUIT BREAKER, GFI
- GF — CIRCUIT BREAKER, GFI WITH DRAWOUT
- CIRCUIT BREAKER, MAGNETIC OVERLOAD
- CIRCUIT BREAKER, NETWORK PROTECTOR
- CIRCUIT BREAKER, THERMAL OVERLOAD
- FUSE OR CURRENT LIMITER
- FUSE (ISOLATING)
- FUSED SWITCH
- GROUND
- SPLICE
- TRANSFORMER
- TRANSFORMER, CURRENT
- TRANSFORMER, ELECTROSTATICALLY SHIELDED, MAGNETIC CORE SHOWN
- TRANSFORMER, MAGNETIC CORE SHOWN
- TRANSFORMER, SHIELDED, MAGNETIC CORE SHOWN
- M — METER
- G — RELAY, GFI
- SPD — SURGE PROTECTIVE DEVICE

DOOR BUZZER

- PUSH BUTTON

DRAWING LIST

E0.00	SYMBOLS AND ABBREVIATIONS
E1.02	8TH FLOOR – POWER DEMO
E1.03	8TH FLOOR – LIGHTING DEMO
E1.04	8TH FLOOR – SYSTEMS DEMO
E1.05	8TH FLOOR – COMM/AV DEMO
E2.01	8TH FLOOR – POWER PLAN
E3.01	8TH FLOOR – LIGHTING PLAN
E4.01	8TH FLOOR – SYSTEMS PLAN
E5.01	8TH FLOOR – COMM/AV PLAN
E6.01	DETAILS
E7.01	ONE-LINE DIAGRAM EMERGENCY SWBD
E7.02	ONE-LINE DIAGRAM EMERGENCY – EH WING
E7.03	ONE-LINE DIAGRAM NORMAL – EH WING

CIRCUITS

- RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. EXPOSED RACEWAY IS ALLOWED ONLY WHERE NOTED.
- HOT (SHORT HASH MARK)
- NEUTRAL (LONG HASH MARK)
- GROUND WIRE (JOGGED HASH MARK)
- EXISTING RACEWAY (IF HASH MARKS ARE SHOWN, PULL NEW CONDUCTORS)
- RACEWAY BELOW SLAB OR UNDERGROUND
- RACEWAY UP
- RACEWAY DOWN
- RACEWAY STUB-OUT WITH BUSHING
- CIRCUIT CONTINUATION
- HOME RUN TO PANEL OR LOCATION NOTED
- J — JUNCTION BOX
- PB — PULL BOX

RECEPTACLE TYPES

- AC — MOUNTED 3" ABOVE COUNTER BACKSPLASH
- D — DEDICATED CIRCUIT
- G — GROUND FAULT CIRCUIT INTERRUPTER
- GT — GROUND FAULT CIRCUIT INTERRUPTER AND TAMPER RESISTANT
- I — ISOLATED GROUND
- T — TAMPER RESISTANT
- WP — GROUND FAULT CIRCUIT INTERRUPTER WITH WEATHER PROOF COVER

CONTROLS

- FUSED DISCONNECT SWITCH (FUSE RATING INDICATED)
- DISCONNECT SWITCH
- MOTOR STARTER
- MANUAL MOTOR STARTER
- COMBINATION MOTOR STARTER FUSED DISCONNECT SWITCH
- ENCLOSED CIRCUIT BREAKER
- PUSH BUTTON CONTROL STATION
- AUTO DOOR PUSHPLATE
- $ M — MOTOR RATED TOGGLE SWITCH
- DDC — DIRECT DIGITAL CONTROL PANEL
- R — RELAY, CONTROL TYPE

EQUIPMENT

- EQUIPMENT CABINET
- EQUIPMENT CONNECTION, E = EMERGENCY POWER
- GROUND BAR, LENGTH TO SCALE

WORK DEFINITION

- # — FLAG NOTE
- # — REVISION IDENTIFICATION
- # — EQUIPMENT IDENTIFICATION
- # — EQUIPMENT IDENTIFICATION
- Det# / Sheet# — DETAIL REFERENCE
- Det# / PlanSheet# / DetSheet# — DETAIL REFERENCE W/ORIGINATING SHEET REFERENCE
- Sec# / Sheet# — SECTION REFERENCE
- Sec# / PlanSheet# / DetSheet# — SECTION REFERENCE W/ORIGINATING SHEET REFERENCE
- 1 / Elev# / Sheet# — ELEVATION REFERENCE
- PROJECT NORTH REFERENCE
- True North — PROJECT NORTH REFERENCE W/TRUE NORTH REFERENCE
- NEW WORK
- EXISTING
- FUTURE
- xxxx — REMOVE EXISTING ELECTRICAL EQUIPMENT

GENERAL NOTES

1. COMPLY WITH THE NATIONAL ELECTRICAL CODE AS ADOPTED AND AMENDED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
2. THE LOCATIONS OF ELECTRICAL DEVICES OR LIGHTING FIXTURES INDICATED ON ARCHITECTURAL PLANS ELEVATIONS OR SECTIONS TAKE PRECEDENCE OVER LOCATIONS INDICATED ON THE ELECTRICAL DRAWINGS.
3. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.
4. FOR LIGHTING CONTROLS WHICH INCLUDE DAYLIGHT OR OCCUPANT SENSING AUTOMATIC CONTROLS, AUTOMATIC SHUT-OFF CONTROLS, OCCUPANCY SENSORS, OR AUTOMATIC TIME SWITCHES THE LIGHTING CONTROLS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT, AND SYSTEMS ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL ALSO BE FUNCTIONALLY TESTED TO ENSURE IT IS OPERATING IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.

ABBREVIATIONS

ADO	AUTOMATIC DOOR OPERATOR	HH	HAND HOLE
ABV	ABOVE	HP	HORSEPOWER
AC	3" ABOVE COUNTER BACKSPLASH	IDF	INSTA-HOT WATER DISPENSER
ACH	ABOVE COUNTER HEIGHT	J-BOX	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR	MAG	MAGNETIC
AG	ABOVE GRADE	MCC	MOTOR CONTROL CENTER
A,AMP	AMPERE	MH	MANHOLE
A/V	AUDIO/VISUAL	MM	MULTIMODE
ATS	AUTOMATIC TRANSFER SWITCH	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
CATV	COMMUNITY ACCESS TELEVISION	N	NEUTRAL
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION	OPER	OPERATER/OPERABLE
CKT	CIRCUIT	OPOI	OWNER PROVIDED OWNER INSTALLED
CLG	CEILING	PB	PULLBOX
CM	CEILING MOUNTED	PNL	PANEL, PANELBOARD
COMM	COMMUNICATIONS	POS	POSITION/POINT OF SALE
C	CONDUIT	PR	PAIR
CO	CONDUIT ONLY	PTS	PNEUMATIC TUBE STATION
CTRL	CONTROL	R	RACEWAY
CU	COPPER	RO	RACEWAY ONLY
D	DATA	RECEPT	RECEPTACLE
DED	DEDICATED	REF	REFRIGERATOR
DEV	DEVICE	SLV	SLEEVE
DN	DOWN	SM	SINGLEMODE
DW	DISHWASHER	SPECS	SPECIFICATIONS
EF	ENTRANCE FACILITY	SW	SWITCH
EH	EAST HOSPITAL	SWBD	SWITCHBOARD
ER	EQUIPMENT ROOM/EMERGENCY ROOM	TELECOM	TELECOMMUNICATIONS
ETC	ELAPSED TIME CLOCK	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
EWC	ELECTRIC WATER COOLER	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
FA	FIRE ALARM	TR	TELECOMMUNICATIONS ROOM
FB	FLOOR BOX	TV	TELEVISION
FBOIC	FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR	TYP	TYPICAL
FI	FILM ILLUMINATOR	UF	UNDER FLOOR
FO	FIBER OPTIC(AL)	UG	UNDER GROUND
FOC	FACE OF COLUMN	UON	UNLESS OTHERWISE NOTED
FSD	FIRE SMOKE DAMPERS	UTP	UNSHIELDED TWISTED PAIR
G,GND	GROUND	V	VOLT OR VOICE
GD	GARBAGE DISPOSAL	VEL	VERIFY EXACT LOCATION
GFI,GFCI	GROUND FAULT CIRCUIT INTERRUPTER	W	WIRE, WATT, OR WALLPHONE
		WAP	WIRELESS ACCESS POINT

OUTLET MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

RECEPTACLES	18 INCHES (460 mm) VERTICALLY MOUNTED
SWITCHES	48 INCHES (1095 mm) TO TOP OF SWITCH
INTERCOM	43 INCHES (1095 mm)
CARD READER	43 INCHES (1095 mm)
TELECOM OUTLET, DESK HANDSET	18 INCHES (460 mm) VERTICALLY MOUNTED
TELECOM OUTLET, WALL HANDSET	48 INCHES (1095 mm) VERTICALLY MOUNTED
FIRE ALARM AUDIBLE NOTIFICATION DEVICES	TOP EDGE NOT LESS THAN 90 INCHES (2290 mm) AFF AND NOT LESS THAN 6 INCHES (155 mm) BELOW CEILING. 6 INCHES (155 mm) BELOW CEILING SHALL TAKE PRECEDENCE WHERE CEILING HEIGHT DOES NOT ALLOW BOTH DIMENSIONS
FIRE ALARM VISUAL AND COMBINATION AUDIBLE/VISUAL NOTIFICATION DEVICES	BOTTOM EDGE NOT LESS THAN 80 INCHES (2035 mm) AFF AND TOP EDGE NOT GREATER THAN 96 INCHES (2438 mm) AFF.

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325 9TH AVENUE
SEATTLE, WA 98104
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REV.	DATE	REASON FOR ISSUE

CATHERINE G. DUKAN — STATE OF WASHINGTON — 44414 — REGISTERED PROFESSIONAL ENGINEER — 2/26/20

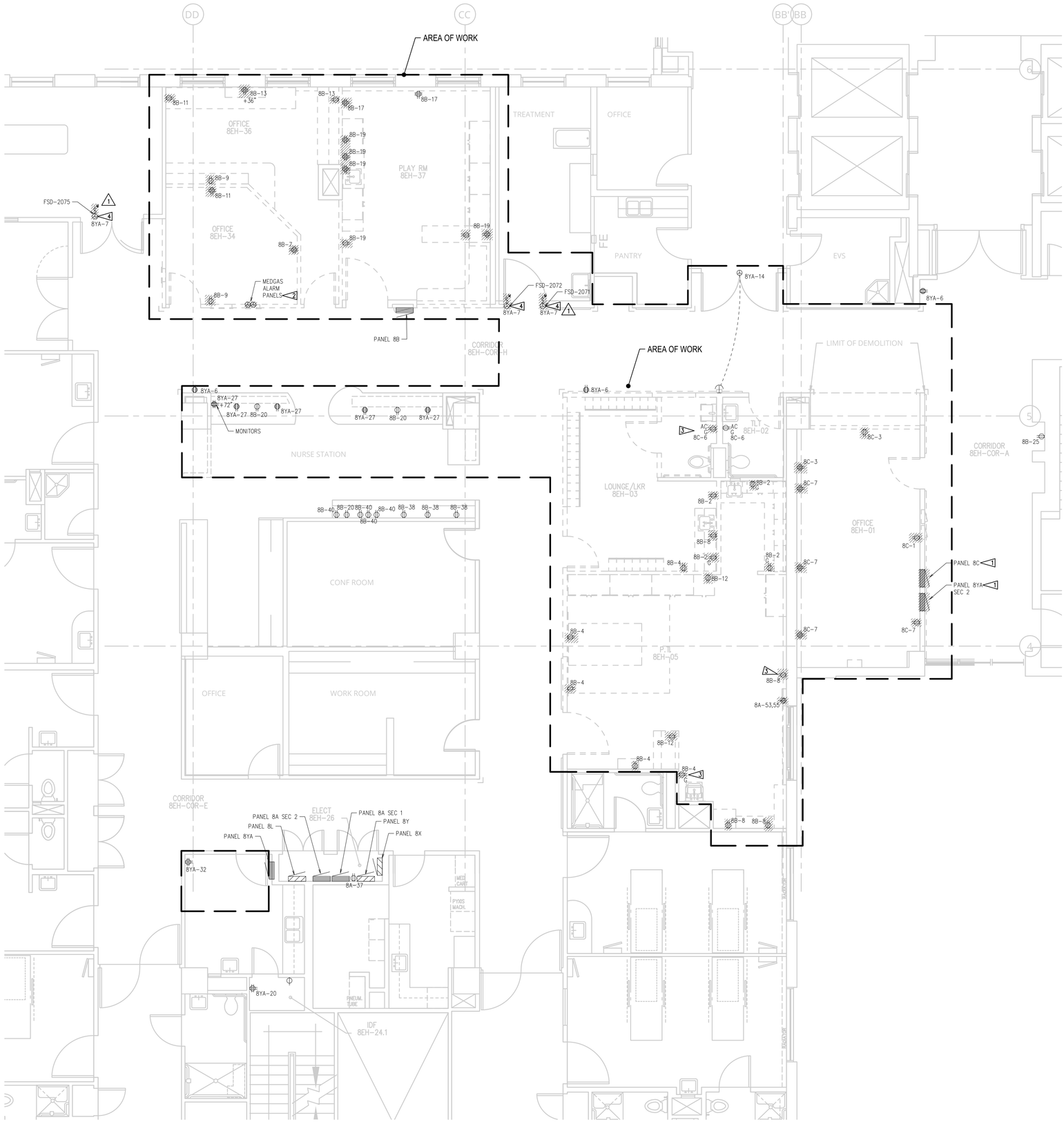
SYMBOLS AND ABBREVIATIONS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020 — PROJECT NUMBER 191360

SHEET NUMBER **E0.00**

\\US1305-F01\WORKGROUP\2048\ACTIVE\204821297\CADD-BIM\E000 Mar 26, 2020 6:05 PM By: THOFF



8TH FLOOR - POWER DEMO
SCALE: AS INDICATED

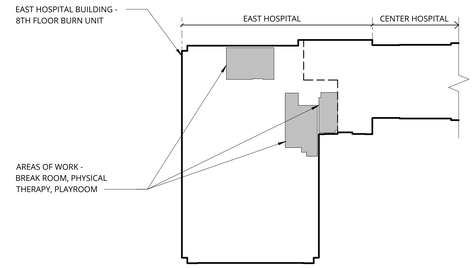
0 2 4 8 12
1 inch plotted — Feet
If measurement is other than 1 inch then the plot is reduced.

GENERAL NOTES:

1. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY ARCHITECT OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
2. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE AREA OF WORK. (COORDINATE MAINTAINING OWNER INSTALLED SYSTEMS WITH OWNER'S REPRESENTATIVE.) CLEARLY MARK ITEMS TO BE MAINTAINED AND COORDINATE WITH DEMOLITION WORK OF OTHER TRADES.
3. PROVIDE TEMPORARY WIRING AS NECESSARY TO MAINTAIN EXISTING CIRCUITS EXTENDING BEYOND THE AREA OF WORK.
4. WHERE NEW AND REMODEL WORK BY ELECTRICAL, MECHANICAL, PLUMBING OR OTHER TRADES IS INDICATED ON PLANS, REMOVE RELOCATE AND REINSTALL ALL EXISTING ELECTRICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO; ELECTRICAL CONDUITS, CIRCUITS, LIGHTING, EQUIPMENT, DEVICES AND SUPPORTS AS REQUIRED TO INSTALL NEW WORK AND REMODEL EXISTING WORK.
5. PERMANENTLY REMOVE ABANDONED ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, JUNCTION BOXES, ELECTRICAL DEVICES AND ASSOCIATED WIRE, RACEWAY, AND/OR JUNCTION BOXES. THE REMOVAL OR RELOCATION OF EXISTING ELECTRICAL EQUIPMENT PRESENTLY CONCEALED IN EXISTING CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL OR RELOCATION. RACEWAYS AND CONDUCTORS SHALL BE REMOVED BACK TO THE SOURCE OR NEAREST REMAINING JUNCTION BOX OR DEVISE AS FAR AS PRACTICAL OR WHERE COMPLETE REMOVAL FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES.

FLAG NOTES:

1. REMOVE PANELBOARD AND FEEDER. LABEL UPSTREAM BREAKER "SPARE". FIELD VERIFY AND TRANSFER ANY EXISTING HOMERUNS TO REMAIN ACTIVE FROM PANEL 8C TO PANEL 8A AND FROM PANEL 8YA SECT 2 TO PANEL 8YA, RESPECTIVELY.
2. REMOVE POWER CONNECTION. FIELD VERIFY AND PROTECT CIRCUITS TO BE EXTENDED TO NEW LOCATION. COORDINATE DEMOLITION WORK WITH MECHANICAL.
3. RETAIN BACKBOX, CONDUIT AND WIRING FOR NEW DEVICE.
4. REMOVE POWER CONNECTION FROM EXISTING FIRE SMOKE DAMPER TO BE DECOMMISSIONED. FIELD VERIFY AND MAINTAIN CIRCUIT AS NEEDED TO FEED ANY REMAINING LOADS.



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SEATTLE, WA 98101
T 206.576.1600

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325 9TH AVENUE
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REV.	DATE	REASON FOR ISSUE
1	03/12/20	DOH REVISION

STATE OF WASHINGTON 44411 REGISTERED PROFESSIONAL ENGINEER

8TH FLOOR - POWER DEMO

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER E1.02

\\VS1305-F01\WORKGROUP\2048\ACTIVE\206821937\CAD\-BIM\E102 Mar 26, 2020 6:05 PM By:THOFF

8TH FLOOR - LIGHTING DEMO
SCALE: AS INDICATED

0 2 4 8 12 Feet
1 inch plotted
If measurement is other than 1 inch then the plot is reduced.

GENERAL NOTES:

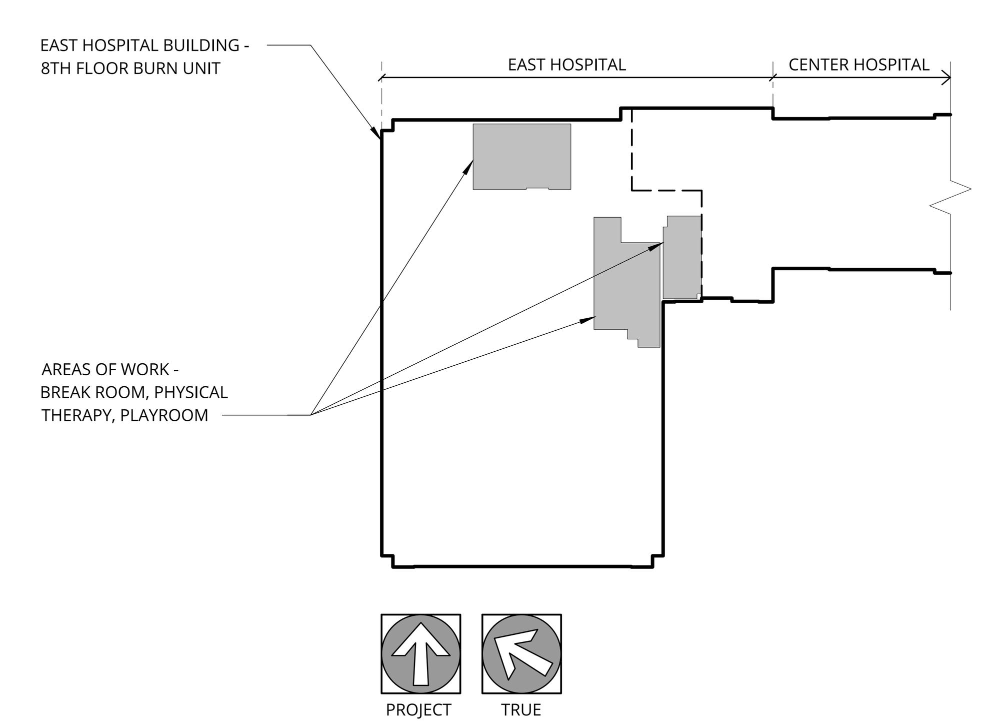
1. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY ARCHITECT OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
2. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE AREA OF WORK. (COORDINATE MAINTAINING OWNER INSTALLED SYSTEMS WITH OWNER'S REPRESENTATIVE.) CLEARLY MARK ITEMS TO BE MAINTAINED AND COORDINATE WITH DEMOLITION WORK OF OTHER TRADES.
3. PROVIDE TEMPORARY WIRING AS NECESSARY TO MAINTAIN EXISTING CIRCUITS EXTENDING BEYOND THE AREA OF WORK.
4. WHERE NEW AND REMODEL WORK BY ELECTRICAL, MECHANICAL, PLUMBING OR OTHER TRADES IS INDICATED ON PLANS, REMOVE RELOCATE AND REINSTALL ALL EXISTING ELECTRICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO: ELECTRICAL CONDUITS, CIRCUITS, LIGHTING, EQUIPMENT, DEVICES AND SUPPORTS AS REQUIRED TO INSTALL NEW WORK AND REMODEL EXISTING WORK.
5. PERMANENTLY REMOVE ABANDONED ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, JUNCTION BOXES, ELECTRICAL DEVICES AND ASSOCIATED WIRE, RACEWAY, AND/OR JUNCTION BOXES. THE REMOVAL OR RELOCATION OF EXISTING ELECTRICAL EQUIPMENT PRESENTLY CONCEALED IN EXISTING CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL OR RELOCATION. RACEWAYS AND CONDUCTORS SHALL BE REMOVED BACK TO THE SOURCE OR NEAREST REMAINING JUNCTION BOX OR DEVISE AS FAR AS PRACTICAL OR WHERE COMPLETE REMOVAL FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES.

FLAG NOTES:

1 REMOVE AND RETAIN EXISTING FIXTURE FOR RELOCATION. SEE SHEET E3.01 FOR NEW LOCATION.

FIXTURE SCHEDULE

TYPE	DESCRIPTION
EF1	2'x4' RECESSED LENSED FLUORESCENT TROFFER
EF1A	SAME AS EF1 EXECPT WITH AIR DIFFUSER
EF2	2'x2' RECESSED FLUORESCENT TROFFER
EF3	RECESSED COMPACT FLUORESCENT DOWNLIGHT
EF4	1'x4' RECESSED FLUORESCENT LINEAR FIXTURE
EF5	TRACK TASK LIGHTING FIXTURE
EF6	SINK VANITY FIXTURE WITH INTEGRATED SWITCH AND RECEPTACLE
EF 7	UNDERCABINET TASKLIGHT
EX1	LED EXIT SIGN



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REV.	DATE	REASON FOR ISSUE

8TH FLOOR - LIGHTING DEMO

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
E1.03

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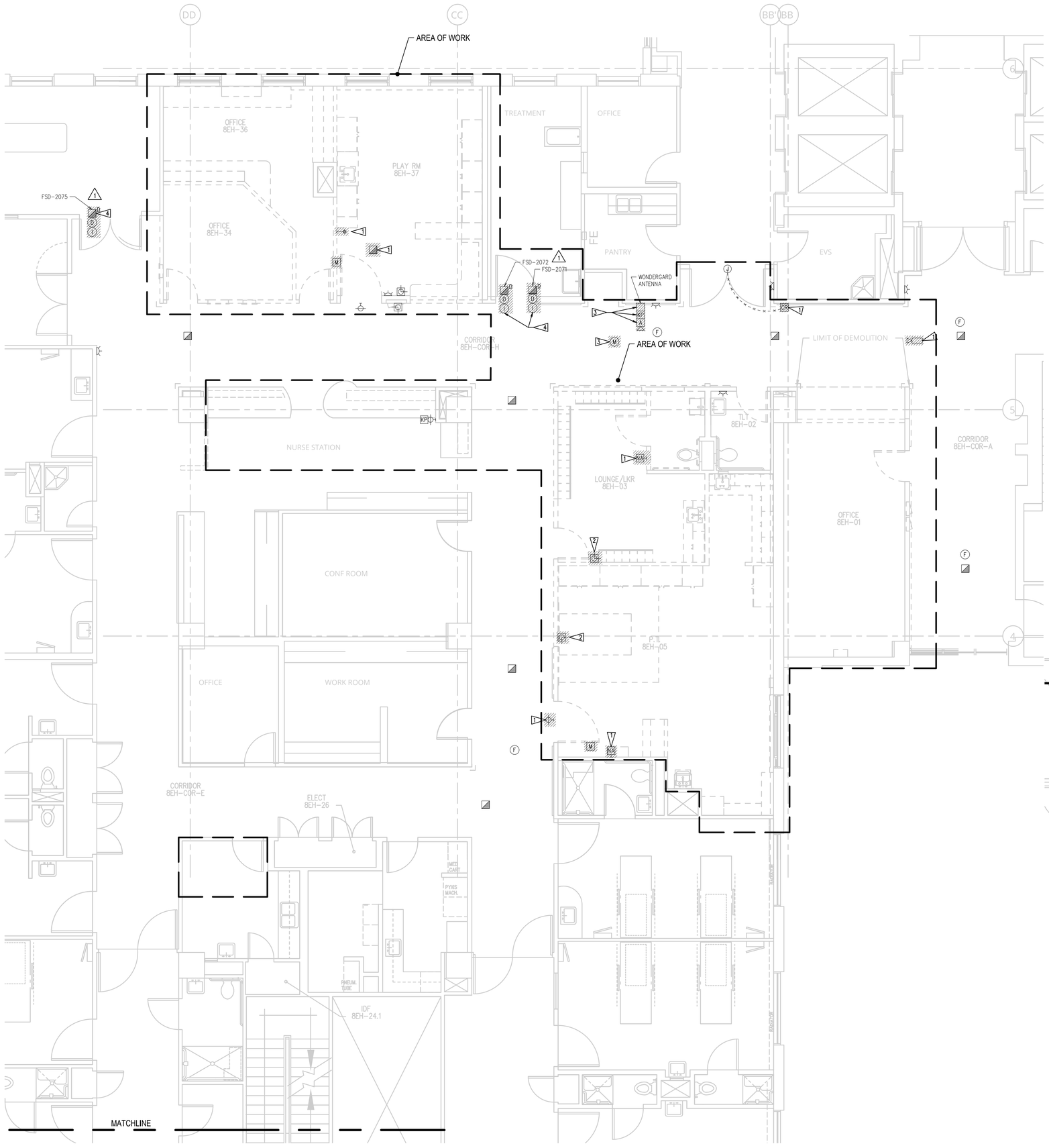


GENERAL NOTES:

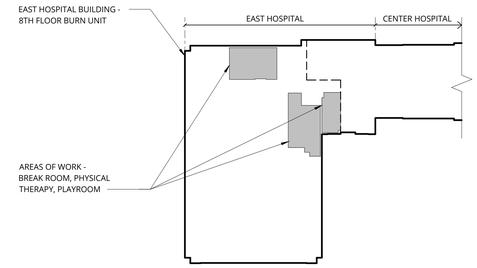
1. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH IS INTERRUPTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY ARCHITECT OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
2. PRIOR TO COMMENCING WITH DEMOLITION, IDENTIFY ALL POWER, LIGHTING, COMMUNICATION AND SIGNAL CIRCUITS PASSING THROUGH THE DEMOLITION AREA OR EXTENDING BEYOND THE AREA OF WORK. (COORDINATE MAINTAINING OWNER INSTALLED SYSTEMS WITH OWNER'S REPRESENTATIVE.) CLEARLY MARK ITEMS TO BE MAINTAINED AND COORDINATE WITH DEMOLITION WORK OF OTHER TRADES.
3. PROVIDE TEMPORARY WIRING AS NECESSARY TO MAINTAIN EXISTING CIRCUITS EXTENDING BEYOND THE AREA OF WORK.
4. WHERE NEW AND REMODEL WORK BY ELECTRICAL, MECHANICAL, PLUMBING OR OTHER TRADES IS INDICATED ON PLANS, REMOVE RELOCATE AND REINSTALL ALL EXISTING ELECTRICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO: ELECTRICAL CONDUITS, CIRCUITS, LIGHTING, EQUIPMENT, DEVICES AND SUPPORTS AS REQUIRED TO INSTALL NEW WORK AND REMODEL EXISTING WORK.
5. PERMANENTLY REMOVE ABANDONED ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, JUNCTION BOXES, ELECTRICAL DEVICES AND ASSOCIATED WIRE, RACEWAY, AND/OR JUNCTION BOXES. THE REMOVAL OR RELOCATION OF EXISTING ELECTRICAL EQUIPMENT PRESENTLY CONCEALED IN EXISTING CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL OR RELOCATION. RACEWAYS AND CONDUCTORS SHALL BE REMOVED BACK TO THE SOURCE OR NEAREST REMAINING JUNCTION BOX OR DEVISE AS FAR AS PRACTICAL OR WHERE COMPLETE REMOVAL FROM WALL AND THE REMAINING HOLE PATCHED TO MATCH ADJACENT WALL SURFACES.

FLAG NOTES:

1. REMOVE AND RETAIN DEVICE FOR REINSTALLATION.
2. COORDINATE WIRELESS CLOCK TO BE REMOVED AND REINSTALLED BY HMC.
3. REMOVE EXISTING WONDERGARD SECURITY DEVICE. TURN OVER DEVICE TO OWNER.
4. REMOVE CONNECTION FROM EXISTING FIRE SMOKE DAMPER TO BE DECOMMISSIONED. REMOVE DUCT SMOKE DETECTOR, REMOVE INDICATOR LIGHT, AND TEST STATION. FIELD VERIFY WHETHER FIRE ALARM RELAY COVERS MULTIPLE DAMPERS IN THE AREA AND IF SO, REVISE WIRING TO BYPASS ONLY THE DECOMMISSIONED DAMPER(S).

1 8TH FLOOR - SYSTEMS DEMO
SCALE: AS INDICATED

0 2 4 8 12
1 inch plotted — Feet
If measurement is other than 1 inch then the plot is reduced.



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REV.	DATE	REASON FOR ISSUE
1	03/12/20	DOH REVISION

STATE OF WASHINGTON 44417 REGISTERED PROFESSIONAL ENGINEER

8TH FLOOR - SYSTEMS DEMO

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER E1.04

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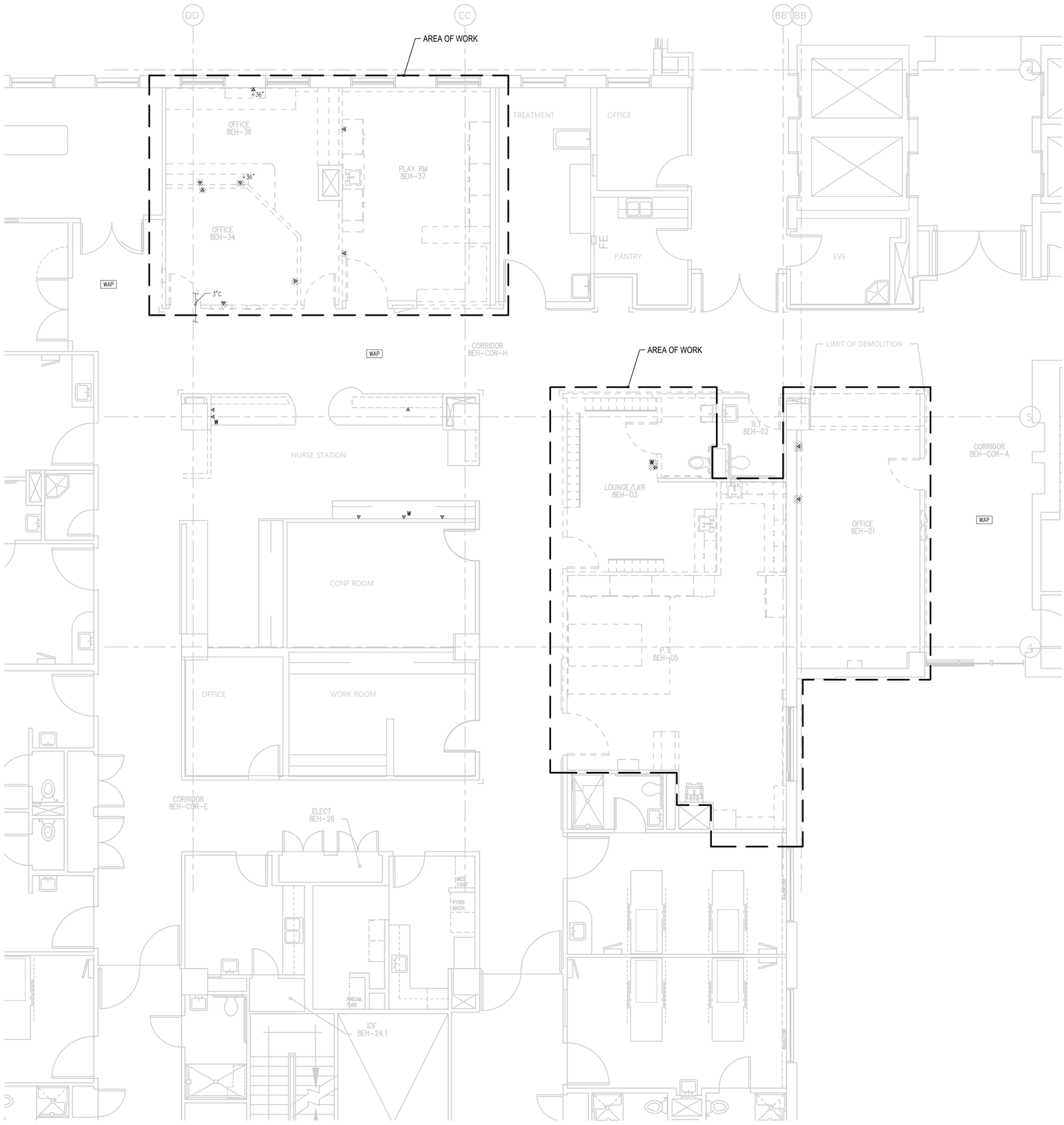

8TH FLOOR - COMM/AV DEMO
SCALE: AS INDICATED

0 2 4 8 12
1 inch plotted Feet
If measurement is other than 1 inch then the plot is reduced.

GENERAL NOTES:

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3. PROVIDE TEMPORARY WIRING AS NECESSARY TO MAINTAIN EXISTING CABLING EXTENDING BEYOND THE AREA OF WORK.
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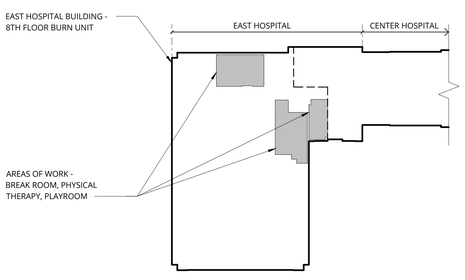

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T 206.576.1600

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8TH FLOOR - COMM/AV DEMO

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
E1.05

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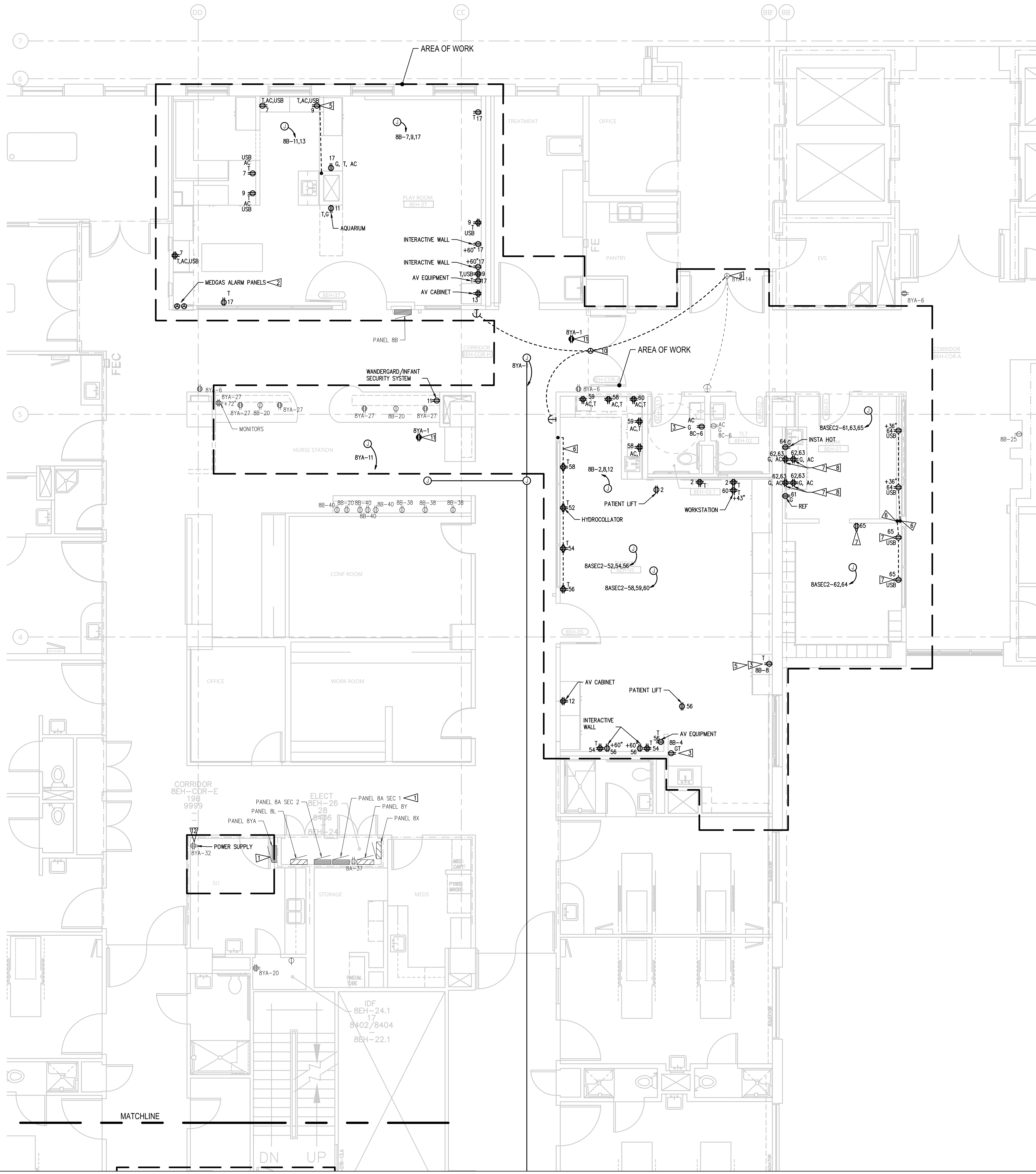
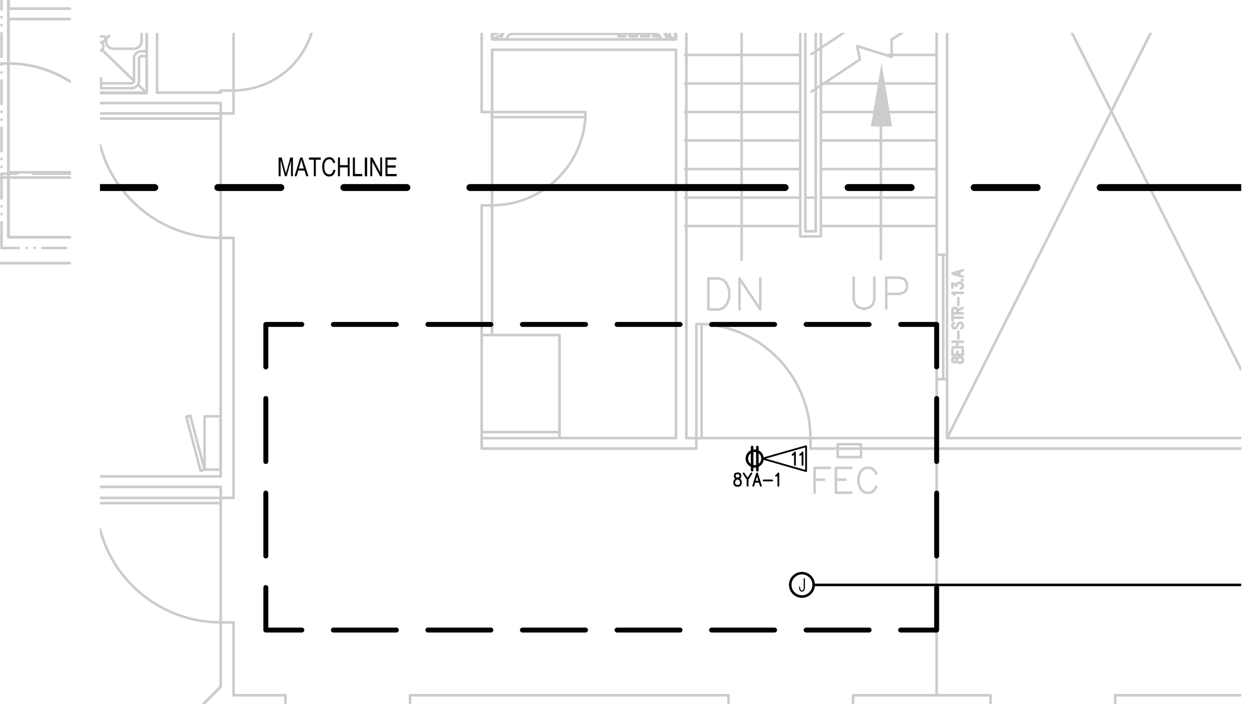




8TH FLOOR - POWER PLAN
SCALE: AS INDICATED

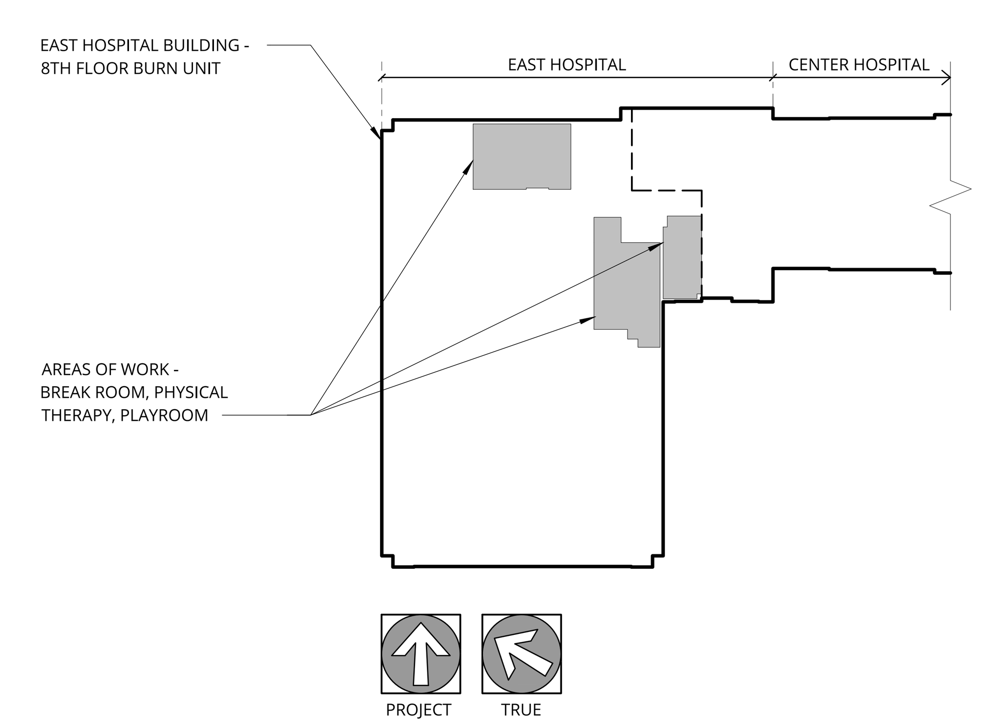
1 inch plotted = 1'-0". If measurement is other than 1 inch then the plot is reduced.

GENERAL NOTES:

1. PAINT, PATCH, AND REPAIR ALL SURFACES TO MATCH ADJACENT SURFACES. SOME WALLS CONTAIN LEAD LINING. REFER TO ARCHITECTURAL DRAWINGS.
2. REMOVE AND REPLACE CEILING TILES AS NECESSARY TO INSTALL NEW FEEDERS AND HOMERUNS CONCEALED ABOVE. ALL BROKEN TILES SHALL BE REPLACED WITH EQUIVALENT MATERIAL.
3. PROVIDE GROUND CONDUCTOR IN ALL POWER RACEWAY.
4. MAINTAIN EXISTING POWER PANELS AND CIRCUITRY UNLESS OTHERWISE NOTED.
5. J-BOXES AND HOMERUNS SHOWN ARE DIAGRAMMATIC. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ALL CIRCUITRY AND APPURTENANCES FOR A COMPLETE INSTALLATION.
6. WHERE EXISTING CIRCUITS ARE REUSED; INTERCEPT, REVISE, AND CONNECT FOR A COMPLETE INSTALLATION.
7. ALL DEVICES SHALL BE FLUSH MOUNTED AND ALL RACEWAY AND BOXES SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

FLAG NOTES:

1. FIELD VERIFY AND TRANSFER ANY DISPLACED HOMERUNS SERVED BY DEMOLISHED PANEL 8YA SECT 2 TO 8YA AND FROM PANEL 8C TO 8A.
2. FIELD VERIFY AND EXTEND EXISTING CIRCUITS TO RELOCATED MEDGAS ALARM PANELS. COORDINATE WITH MECHANICAL.
3. PROVIDE NEW RECEPTACLE ON EXISTING BACKBOX. RECONNECT EXISTING CIRCUIT.
4. PROVIDE NEW RECEPTACLE ON EXISTING BACKBOX. CIRCUIT AS INDICATED.
5. MOUNT FLUSH WITH BACK FACE OF CASEWORK AND ROUTE CONDUIT HORIZONTALLY THROUGH CASEWORK AND PONY WALL. COORDINATE INSTALLATION WITH ARCHITECTURAL.
6. ROUTE CONDUIT HORIZONTALLY UNDER WINDOW.
7. PROVIDE RECEPTACLE CONTROLLED BY THE OCCUPANCY SENSOR THAT CONTROLS LIGHTS IN SAME AREA, REFER TO SHEET E3.01. CONTROLLED RECEPTACLE SHALL BE GREEN COLOR. LABEL "CONTROLLED".
8. SPLIT WIRE, LEFTHAND DUPLEX TO BE CONTROLLED.
9. FIELD VERIFY AND EXTEND 120V EMERGENCY POWER CIRCUIT SERVING EXISTING AUTODOOR TO NEW AUTODOOR THIS SHEET.
10. PROVIDE POWER CONNECTIONS TO NEW AUTODOOR. REFER TO SHEET E5.01 FOR SECURITY REQUIREMENTS.
11. PROVIDE RECEPTACLE ABOVE DROP CEILING FOR WANDERGUARD/INFANT SECURITY EQUIPMENT. COORDINATE EXACT LOCATION WITH WANDERGUARD/INFACNT SECURITY SYSTEM. REFER TO SHEET E4.01 FOR ADDITIONAL REQUIREMENTS.
12. COORDINATE EXACT REQUIREMENTS WITH WANDERGUARD/INFANT SECURITY SYSTEM. REFER TO SHEET E4.01 FOR ADDITIONAL DETAILS.
13. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOX. INFANT SECURITY DISPLAY FURNISHED AND INSTALLED BY OWNER'S VENDER.



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8TH FLOOR - POWER PLAN

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
E2.01

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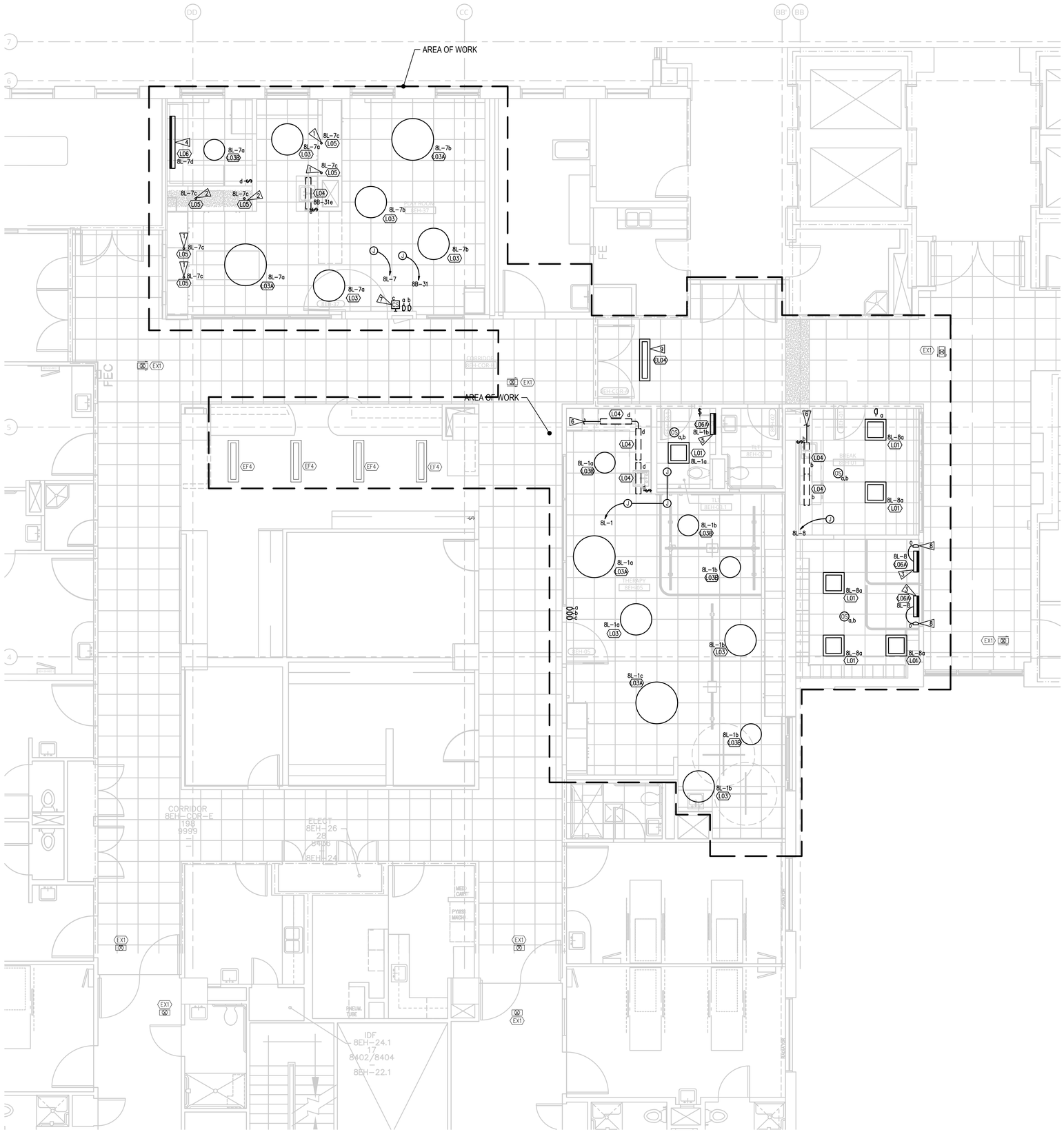


8TH FLOOR - LIGHTING PLAN
SCALE: AS INDICATED

0 2 4 8 12 Feet
1 inch plotted
If measurement is other than 1 inch then the plot is reduced.

GENERAL NOTES:

1. PAINT, PATCH, AND REPAIR ALL SURFACES TO MATCH ADJACENT SURFACES. SOME WALLS CONTAIN LEAD LINING. REFER TO ARCHITECTURAL DRAWINGS.
2. REMOVE AND REPLACE CEILING TILES AS NECESSARY TO INSTALL NEW FEEDERS AND HOMERUNS CONCEALED ABOVE. ALL BROKEN TILES SHALL BE REPLACED WITH EQUIVALENT MATERIAL.
3. PROVIDE GROUND CONDUCTOR IN ALL POWER RACEWAY.
4. MAINTAIN EXISTING POWER PANELS AND CIRCUITRY UNLESS OTHERWISE NOTED.
5. J-BOXES AND HOMERUNS SHOWN ARE DIAGRAMMATIC. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ALL CIRCUITRY AND APPURTENANCES FOR A COMPLETE INSTALLATION.
6. WHERE EXISTING CIRCUITS ARE REUSED; INTERCEPT, REWISE, AND CONNECT FOR A COMPLETE INSTALLATION.
7. ALL DEVICES SHALL BE FLUSH MOUNTED AND ALL RACEWAY AND BOXES SHALL BE CONCEALED WITHIN EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED.
8. SET OCCUPANCY SENSORS TO MANUAL ON, AUTO OFF VACANCY SENSING. PROVIDE DUAL TECHNOLOGY TYPE WITH POWER PACKS AND RELAYS TO CONTROL ALL FIXTURES IN THE AREA AND REFER TO SHEET E3.01 FOR CONTROL OF RECEPTACLES.

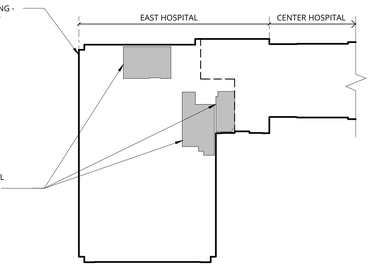
FLAG NOTES:

1. MOUNT FIXTURE IN CASEWORK.
2. MOUNT FIXTURE IN BULKHEAD ABOVE THE TILE CEILING. REMOTE DRIVER IS TO BE INSTALLED ADJACENT TO FIXTURE.
3. MOUNT FIXTURE SO THE BOTTOM OF THE FIXTURE IS 5 FEET ABOVE FINISHED FLOOR.
4. MOUNT FIXTURE SO THE BOTTOM OF THE FIXTURE IS 7 FEET ABOVE FINISHED FLOOR.
5. SEE ARCHITECTURAL ELEVATION 9/A7.01 FOR MOUNTING HEIGHT.
6. CONNECT TO NEAREST 120V POWER CIRCUIT. CONTRACTOR TO AS-BUILT LOCAL 120V BRANCH CIRCUIT FIXTURE IS CONNECTED TO.
7. PROVIDE ACUITY STAND-ALONE DMX512 CONTROLLER AND EASYL SOLO WALL STATION TO CONTROL TYPE L05 DOWNLIGHTS.
8. PROVIDE DECORA SLIDER STYLE OCCUPANCY SENSING DIMMER SWITCH WITH MANUAL OVERRIDE.
9. REINSTALL EXISTING LIGHT FIXTURE IN NEW LOCATION. EXTEND EXISTING WIRING TO NEW LOCATION. REFER TO E1.03 FOR LIGHT FIXTURE TYPE.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	ALTERNATE MANUFACTURERS	LAMP CODE	INPUT WATTS	INPUT VOLT*	DRIVER TYPE	COMMENTS
L01	RECESSED LED 2' X 2' LENSED TROFFER. EXTRUDED ALUMINUM HOUSING AND ACRYLIC LENSES.	COOPER METALUX - 22EN-LD2-19-UNV-L840-CD1-U		LED - 1900 LUMENS - 4000K	17	277	INTEGRAL LED; 0-10V DIMMING TO 10%	
L03	RECESSED LED LENSED CIRCULAR DOWNLIGHT. NOMINAL 3' DIAMETER X 7.5" DEEP. DIE-FORMED 20-GAUGE STEEL HOUSING AND ACRYLIC LENS.	PRUDENTIAL LIGHTING - P9000	PINNACLE FINA RECESSED; FOCAL POINT SKYDOME	LED - 4500 LUMENS - 4000K	56	277	INTEGRAL LED; 0-10V DIMMING TO 1%	
L03A	SAME AS L03 EXCEPT NOMINAL 4' DIAMETER.	PRUDENTIAL LIGHTING - P9000	PINNACLE FINA RECESSED; FOCAL POINT SKYDOME	LED - 7000 LUMENS - 4000K	88	277	INTEGRAL LED; 0-10V DIMMING TO 1%	
L03B	SAME AS L03 EXCEPT NOMINAL 2' DIAMETER.	PRUDENTIAL LIGHTING - P9000	PINNACLE FINA RECESSED; FOCAL POINT SKYDOME	LED - 2100 LUMENS - 4000K	35	277	INTEGRAL LED; 0-10V DIMMING TO 1%	
L04	UNDERCABINET MOUNTED LED TASK LIGHT. NOMINAL LENGTHS ON DRAWING X 4-7/8" WIDE X 1" TALL. DIFFUSE MATTE ACRYLIC LENS. INTEGRAL OCCUPANCY SENSOR. ANTI-MICROBIAL WHITE FINISH.	HE WILLIAMS TSF		LED - 600 LM/FT - 4000K	5	120	INTEGRAL LED; NON-DIM	1. PROVIDE ALL COMPONENTS NECESSARY FOR COMPLETE INSTALLATION. 2. WATTAGE IS PER FOOT. 3. 277V AVAILABLE.
L05	RECESSED LED COLOR-CHANGING DOWN LIGHT. NOMINAL 2.6" DIAMETER X 2.2" DEEP. 36° BEAM. TORSION SPRING CLIP MOUNTING. HEXCELL LOUVER AND SOLITE LENS. RETROFIT MINI ENCLOSURE. ARCHITECT TO SELECT FINISH.	ZANIBONI LUNA 1 SERIES		LED - 685 LUMENS - RGBW	7	277	REMOTE LED; DMX CONTROL	1. PROVIDE ACUITY DMX512 CONTROLLER AND EZ SOLO WALL STATION. 2. DMX ADDRESSES TO BE COMMISSIONED BY FACTORY AUTHORIZED TECHNICIAN.
L06	WALL MOUNTED INDIRECT LED LINEAR. NOMINAL 5' LONG X 2.25" WIDE X 4" TALL. ASYMMETRIC RIGHT OPTIC. ALUMINUM BODY. FINISH SELECTED BY ARCHITECT.	FINELITE - HP-2 SERIES		LED - 480 LM/FT - 4000K	23	277	INTEGRAL LED; 0-10V DIMMING TO 1%	
L06A	SAME AS L06 EXCEPT NOMINAL 2' LONG AND FLUSH FROSTED UPLIGHT DIFFUSER. FINISH SELECTED BY ARCHITECT.	FINELITE - HP-2 SERIES		LED - 480 LM/FT - 4000K	9	277	INTEGRAL LED; 0-10V DIMMING TO 1%	

Refer to Specification Sections 265100 for complete information.
* Voltage(s) listed are options available. Refer to electrical drawings for actual voltage.



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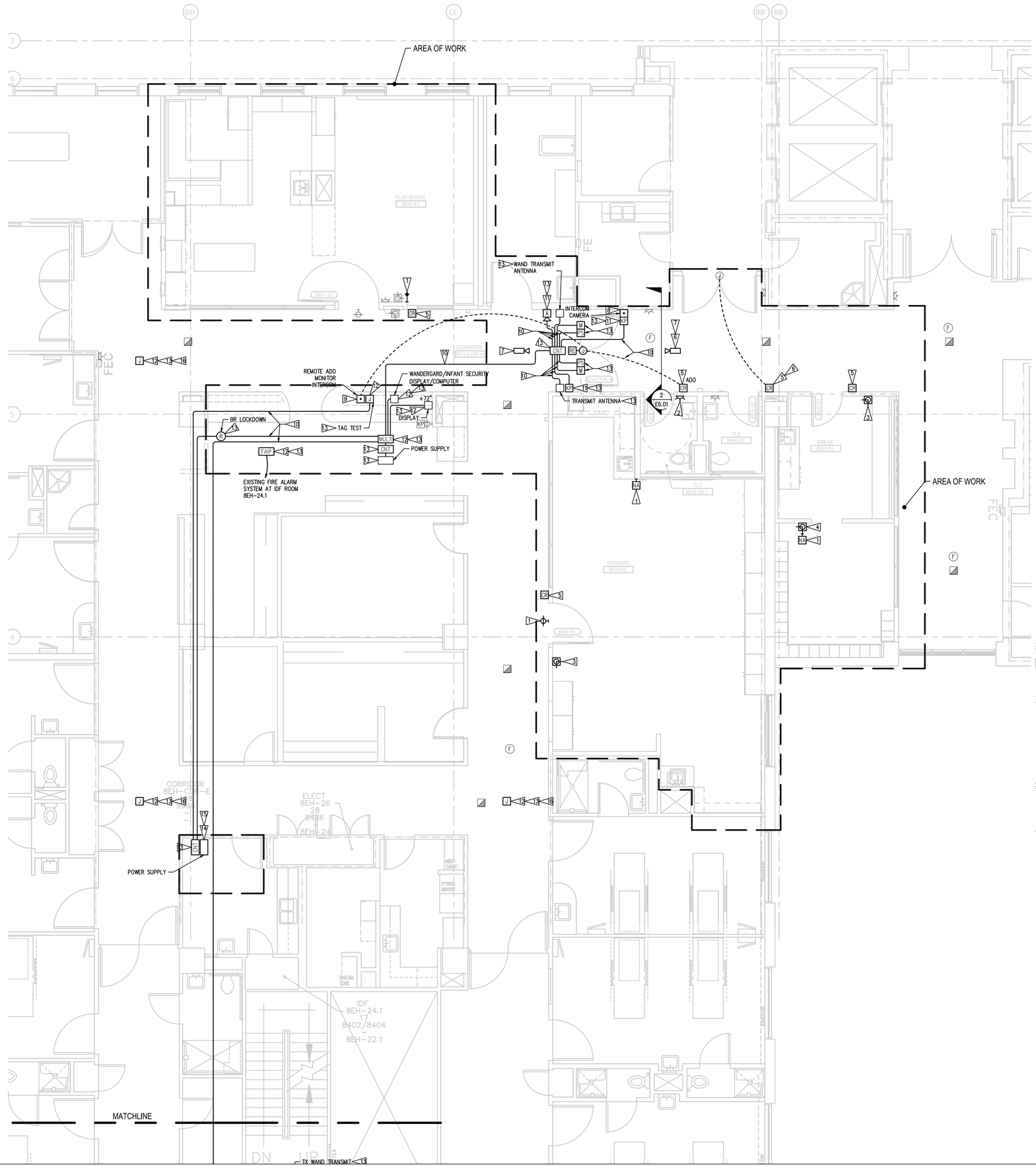
REV.	DATE	REASON FOR ISSUE

8TH FLOOR - LIGHTING PLAN

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER E3.01

\\051305-fs01\WORKGROUP\2048\ACTIVE\204821297\CADD-BIM\E301 Mar 26, 2020 6:06 PM By:THOFF

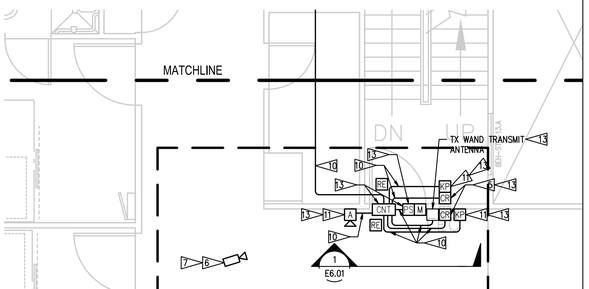


GENERAL NOTES:

1. PAINT, PATCH, AND REPAIR ALL SURFACES TO MATCH ADJACENT SURFACES. SOME WALLS CONTAIN LEAD LINING. REFER TO ARCHITECTURAL DRAWINGS.
2. REMOVE AND REPLACE CEILING TILES AS NECESSARY TO INSTALL NEW FEEDERS AND HOMERUNS CONCEALED ABOVE. ALL BROKEN TILES SHALL BE REPLACED WITH EQUIVALENT MATERIAL.
3. PROVIDE GROUND CONDUCTOR IN ALL POWER RACEWAY.
4. MAINTAIN EXISTING POWER PANELS AND CIRCUITRY UNLESS OTHERWISE NOTED.
5. WIRING SHOWN IS DIAGRAMMATIC. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ALL CIRCUITRY AND APPURTENANCES FOR A COMPLETE INSTALLATION.
6. WHERE EXISTING CIRCUITS ARE REUSED; INTERCEPT, REVISE, AND CONNECT FOR A COMPLETE INSTALLATION.
7. ACCESS CONTROL AND VIDEO SURVEILLANCE ARE OFCI TIED TO THE EXISTING SECURITY SYSTEM. COORDINATE WITH OWNER TO PROVIDE PATHWAY, BOXES, AND WIRING PER HMC STANDARDS FOR A COMPLETE AND OPERATIONAL SYSTEM. FOR ALL SECURITY SYSTEM DEVICES, PROVIDE BACK BOX 1"C TO CABLE TRAY UON.
8. HMC TELESERVICES TIES ALL SECURITY DEVICES (ACCESS CONTROL AND VIDEO SURVEILLANCE) TO EXISTING HOSPITAL SECURITY SYSTEM PANELS IN IDF.
9. REFER TO SHEET E6.01 FOR WANDERGUARD/INFANT SECURITY SYSTEM DOOR HARDWARE DETAILS.
10. ELECTRICAL CONTRACTOR SHALL CONTRACT WITH ACCUTECH FOR THE WANDERGUARD/INFANT SECURITY DESIGN SHOP DRAWINGS, WIRING DIAGRAMS, DIV 8, AND DIV 28 HARDWARE AND EQUIPMENT, WIRING, AND INSTALLATION. PROVIDE INTERFACES TO EXISTING FIRE ALARM SYSTEM AND ACCESS CONTROL SYSTEM. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

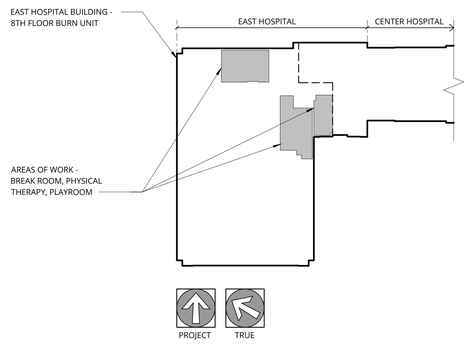
FLAG NOTES:

1. REINSTALL EXISTING NURSE CALL DEVICE IN NEW LOCATION.
2. PROVIDE FIRE ALARM STROBE.
3. OFOI WIRELESS CLOCK. COORDINATE WORK IN AREA WITH OWNER'S EXISTING EQUIPMENT.
4. OFOI WIRELESS CLOCK. COORDINATE WORK IN AREA WITH OWNER'S NEW EQUIPMENT.
5. OFCI ELECTRONIC SECURITY DOOR HARDWARE AND CABLING. PROVIDE CONDUIT AND BACK BOX PER MANUFACTURER AND OWNER REQUIREMENTS. REFER TO ARCHITECTURAL FOR DOOR HARDWARE SPECIFICATION, SCHEDULE, AND MOUNTING.
6. RELOCATE EXISTING DEVICE.
7. OFCI SURVEILLANCE CAMERA AND CABLING. PROVIDE CONDUIT AND BACK BOX PER MANUFACTURER AND OWNER REQUIREMENTS.
8. OFCI CALL BUTTON. PROVIDE 2-WAY INTERCOM, INTEGRAL CAMERA FOR COMMUNICATION WITH NURSE STATION.
9. OFCI MASTER INTERCOM STATION WITH REMOTE DOOR CONTROL AND MONITOR. CONCEAL CABLING IN (2) 1"C THROUGH CASEWORK TO CABLE TRAY. PROVIDE FLUSH MOUNTED BACKBOXES IN EXISTING CASEWORK SIZED PER MANUFACTURER REQUIREMENTS.
10. CFCI CABLE AND DEVICE BY WANDERGUARD/INFANT SECURITY VENDOR. COORDINATE EXACT LOCATIONS WITH WANDERGUARD/INFANT SECURITY VENDER. PROVIDE PATHWAY AND BOXES PER VENDOR REQUIREMENTS.
11. PROVIDE SINGLE GANG BACK BOX PER WANDERGUARD/INFANT SECURITY VENDOR REQUIREMENTS.
12. COORDINATE EXACT LOCATION WITH OWNER AND WANDERGUARD/INFANT SECURITY VENDOR.
13. CFCI BY ACCUTECH. PROVIDE DEVICE AND WIRING PER ACCUTECH REQUIREMENTS FOR A COMPLETE WANDERGUARD/INFANT SECURITY SYSTEM.
14. COORDINATE EXACT REQUIREMENTS WITH WANDERGARD/INFANT SECURITY SYSTEM. REFER TO SHEET E4.01 FOR ADDITIONAL DETAILS.
15. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOX. INFANT SECURITY DISPLAY FURNISHED AND INSTALLED BY OTHERS.
16. PROVIDE DOUBLE GANG BACK BOX.



8TH FLOOR - SYSTEMS PLAN
SCALE: AS INDICATED

0 2 4 8 12
1 inch plotted — Feet
If measurement is other than 1 inch then the plot is reduced.



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STATE OF WASHINGTON — 44411 — REGISTERED PROFESSIONAL ENGINEER

8TH FLOOR - SYSTEMS PLAN

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
E4.01

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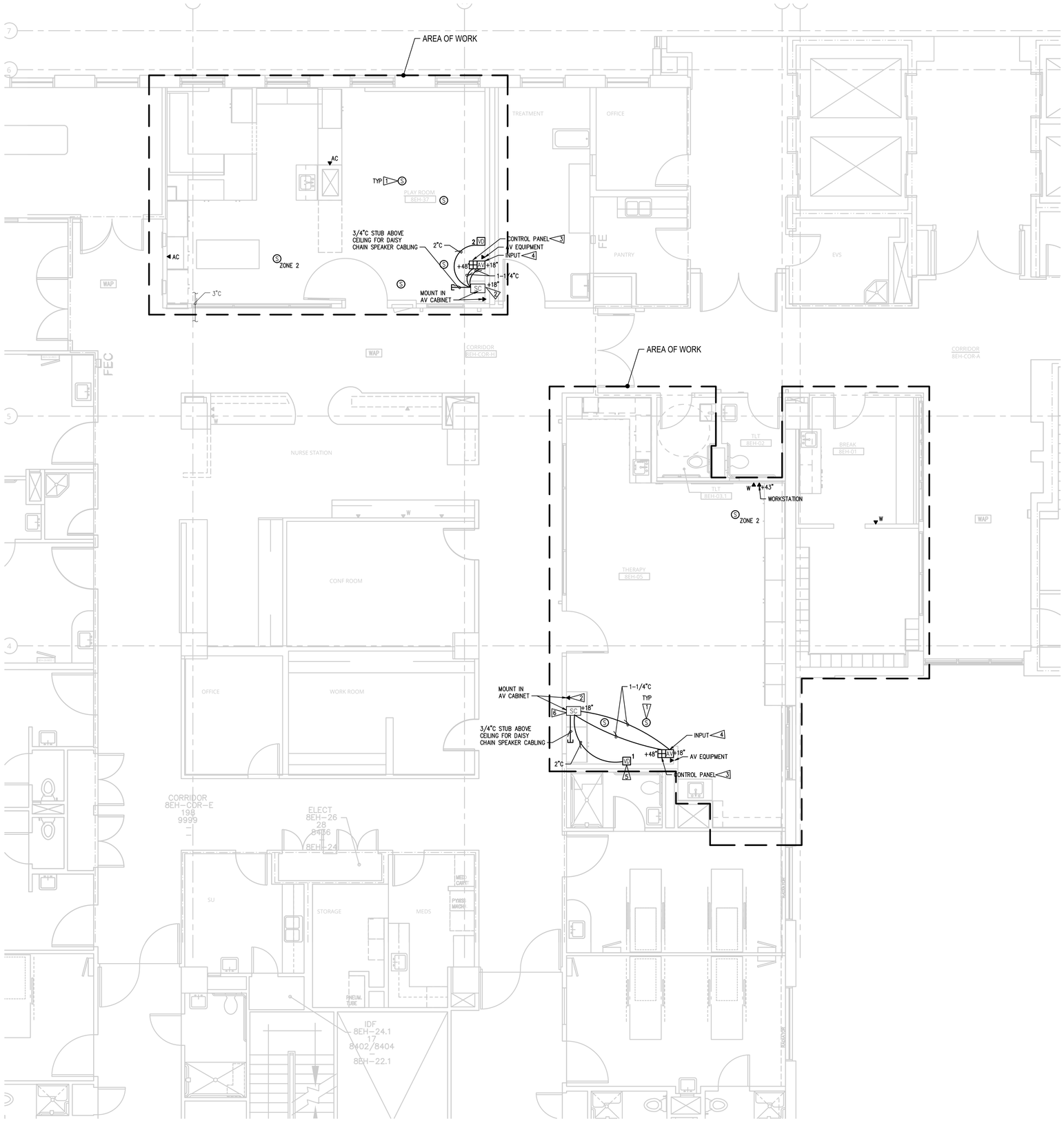


8TH FLOOR - COMM/AV PLAN
SCALE: AS INDICATED

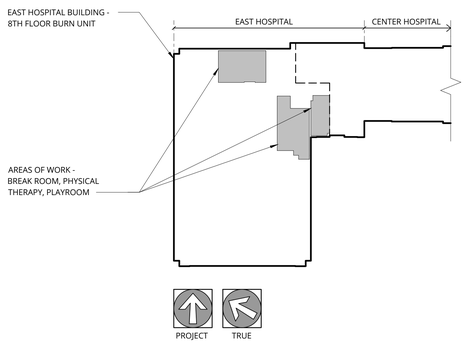
0 2 4 8 12
1 inch plotted — Feet
If measurement is other than 1 inch then the plot is reduced.

GENERAL NOTES:

1. PAINT, PATCH, AND REPAIR ALL SURFACES TO MATCH ADJACENT SURFACES. REFER TO ARCHITECTURAL DRAWINGS.
2. REMOVE AND REPLACE CEILING TILES AS NECESSARY TO INSTALL NEW COMMUNICATIONS CABLING CONCEALED ABOVE. ALL BROKEN TILES SHALL BE REPLACED WITH EQUIVALENT MATERIAL.
3. FOR EACH COMM (TELE/DATA) OUTLET, PROVIDE 1" R.O. WITH PULL STRING TO CORRIDOR CABLE TRAY. CABLING TO BE PROVIDED BY HMC TELESERVICES.
4. CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. COORDINATE ROUTING IN FIELD TO AVOID MECHANICAL DUCTWORK.
5. FOR EACH AV OUTLET, PROVIDE 4"X4" BACKBOX UON.
6. COORDINATE WITH OWNER'S AV VENDOR FOR EXACT REQUIREMENTS. PROVIDE PATHWAY AND BOXES TO SUPPORT THE AV SYSTEM INSTALLATION BY OTHERS.

FLAG NOTES:

1. PROVIDE J-HOOKS OR CONDUIT WITH PULL STRING FROM CONDUIT STUB FOR OFOI AV CEILING SPEAKERS, TWO ZONES, AND ASSOCIATED CABLING. PROVIDE PATHWAY TO ACCESSIBLE WITH PULL STRING CONDUIT SIZE AS INACATED CEILING FOR OFOI AV CEILING SPEAKER, TWO ZONES PER ROOM.
2. PROVIDE COMMUNICATION OUTLET FOR AV SYSTEM EQUIPMENT RACK.
3. PROVIDE AV 2 GANG BOX WITH PULL STRING CONDUIT SIZE AS INDICATED, AND 2 GANG STAINLESS STEEL BLANK LABELED FUTURE AV DEVICE FOR OFOI CONTROLLER, EXTRON TLP 720T OR APPROVED EQUAL.
4. PROVIDE AV 4 GANG BOX WITH PULL STRING CONDUIT SIZE AS INACATED, AND STAINLESS STEEL BLANK LABELED FUTURE AV DEVICE FOR OFOI WALLPLATE INPUT, DTP TRANSMITTER, EXTRON USB EXTENDER, AUDIO IN, AND BLUTOOTH.
5. J-BOX FEED FOR OFOI AV2X2 VIDEO WALL. PROVIDE 2 GANG SPLIT STAINLESS STEEL FACEPLATE WITH 2' DIAMETER GROMMETED OPENING.
6. OFOI AV SYSTEM EQUIPMENT RACK.



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8TH FLOOR - COMM/AV PLAN

CONSTRUCTION DOCUMENTS

DATE	PROJECT NUMBER
2/14/2020	191360

SHEET NUMBER
E5.01

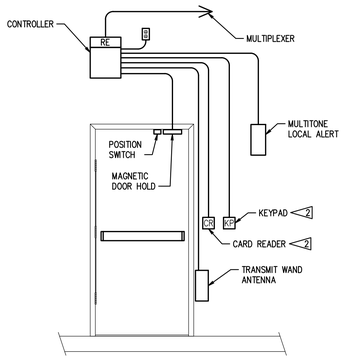
\\US1305-F01\WORKGROUP\2048\ACTIVE\204821297\CADD-BIM\E501 Mar 26, 2020 6:06 PM By: THOFF

GENERAL NOTES:

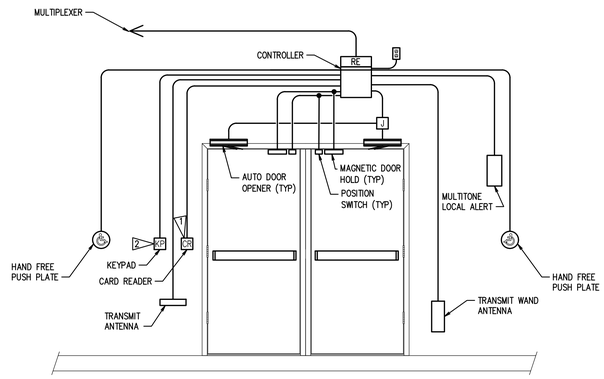
1. EQUIPMENT IS ON SECURE SIDE UON.

FLAG NOTES:

1. ON NON-SECURE SIDE.
2. ON SECURE AND NON-SECURE SIDE.



1 E4.01 ROUGH-IN SINGLE DOOR - WANDERGUARD/INFANT SECURITY
SCALE: NONE



2 E4.01 ROUGH-IN DOUBLE DOOR - WANDERGUARD/INFANT SECURITY
SCALE: NONE

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REV.	DATE	REASON FOR ISSUE

DETAILS

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360
SHEET NUMBER E6.01

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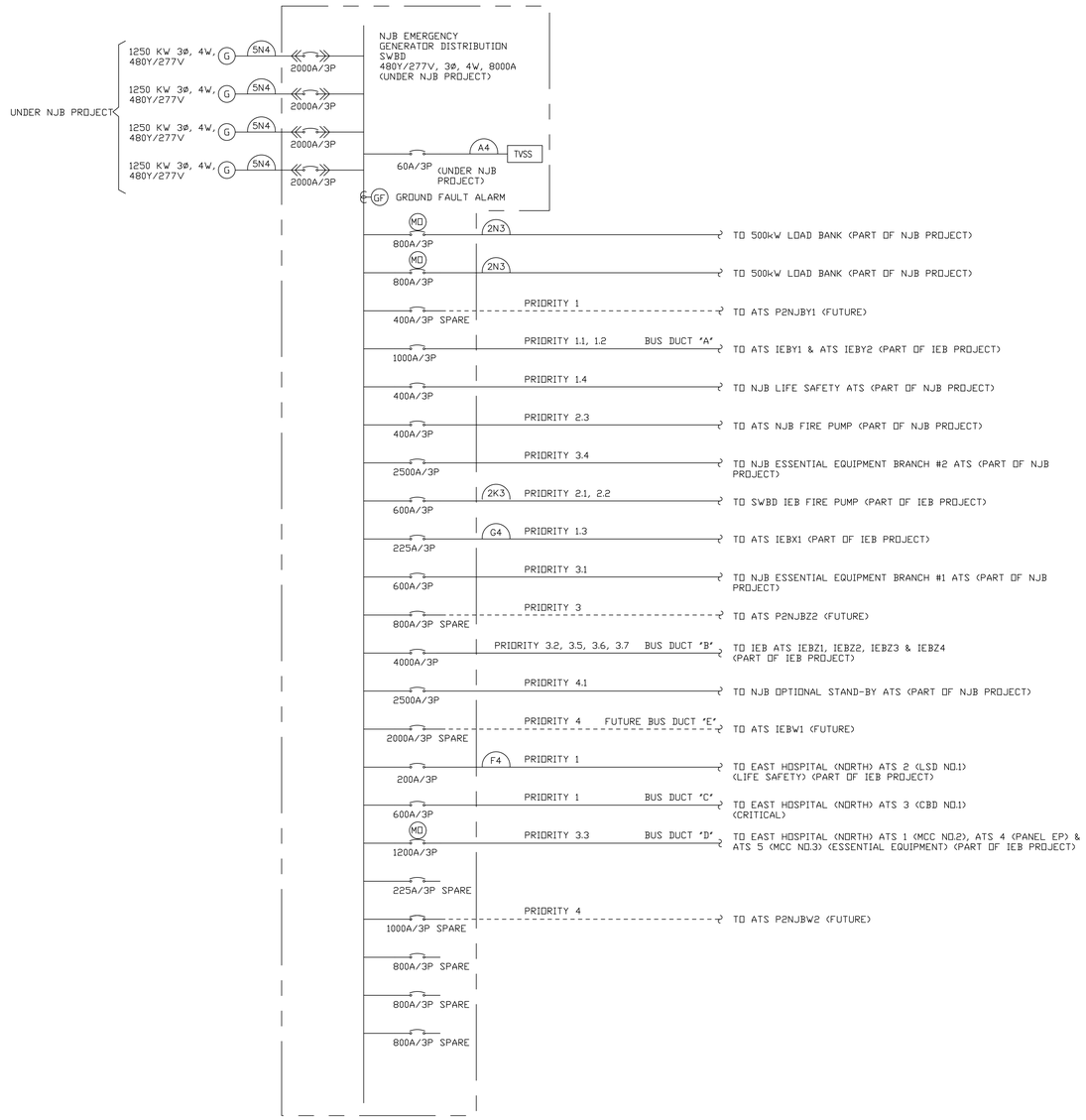

NJB EMERGENCY GENERATOR SWITCHBOARD

NOT TO SCALE

FUTURE DISTRIBUTION

		SPACE	ATS 1EBX1	EAST HOSPITAL (NORTH) ATS #2	ATS-P2NJBW1	ATS-P2NJBX1	ATS-NJB FIRE PUMP 1	GENERATOR CONTROL CUBICAL NO. 1	GENERATOR CONTROL CUBICAL NO. 2	GENERATOR CONTROL CUBICAL NO. 3	GENERATOR CONTROL CUBICAL NO. 4	MASTER CONTROL CUBICAL
		SPACE	ATS IEBY1 ATS IEBY2	EAST HOSPITAL (NORTH) ATS #3	ATS-P2NJBW2 (SPARE)	ATS-P2NJBY1 (SPARE)	ATS-NJB FIRE PUMP 2					
		SWBD IEBHZ ATS-IEBZ1 ATS-IEBZ2 ATS-IEBZ3 ATS-IEBZ4	ATS-IEB FIRE PUMP #1 & #2	EAST HOSPITAL (NORTH) ATS #1, #4, #5	SPARE	ATS-P2NJBZ1	LOAD BANK					
			ATS-IEBW1	SPARE	SPARE	ATS-P2NJBZ2 (SPARE)	LOAD BANK					

NJB EMERGENCY GENERATOR SWITCHBOARD

NOT TO SCALE

INC LINE	P-8	MEDIC ONE GARAGE DOOR	LAB AIR COMPRESSOR
CB-1			
SPACE	P-9	MEDIC ONE GARAGE DOOR	P-12
SF32	EF32	MEDIC ONE GARAGE DOOR	ELEV SHAFT SUPPLY FAN
	P-10	SFQN	STERILIZATION OR
			STERILIZATION OR 203
	MVP-1	VAC XXXX	EXHAUST FAN

MCC #2

NOT TO SCALE

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REV.	DATE	REASON FOR ISSUE

ONE-LINE DIAGRAM EMERGENCY SWBD

CONSTRUCTION DOCUMENTS

DATE 2/14/2020

PROJECT NUMBER 191360

SHEET NUMBER E7.01

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GROUND FLOOR | 1ST FLOOR | 2ND FLOOR | 3RD FLOOR | 4TH FLOOR | 5TH FLOOR | 6TH FLOOR | 7TH FLOOR | 8TH FLOOR | 9TH FLOOR | 10TH FLOOR | 11TH FLOOR

FLAG NOTES:

1. PANEL MODIFIED AS PART OF PROJECT.
2. REMOVE PANELBOARD AND FEEDER. REFER TO SHEET E1.02 FOR ADDITIONAL REQUIREMENTS.

EMERGENCY SWITCHBOARD EHZ
480Y/277V, 3ø, 4W, 1200A, 65KAIC

TO NJB EMERGENCY GENERATOR DISTRIBUTION SWBD

BUS DUCT 'D'

400A/3P
400A/3P
400A/3P

3"C, (3)#500KCMIL, (1)#2G

T8
15kVA
480:208Y/120V
3ø, 4W, 4.85%Z

1"C, (4)#8, 1#8G.

PANEL EPP NO.1 50A MCB

3/4"C, (3)#12, 1#10G.

ATS 1 400A/3P (GEH-16) PRIORITY 3

3"C, (3)#500MCM

MCC NO.2 (GEH-16)

SWBD M1-B

(2) 3"C, (3)#500MCM EA.

ATS 4 600A/3P (GEH-16) PRIORITY 3

3"C, (3)#500MCM, (1)#2G

SWBD M1-A

ATS 5 400A/3P (GEH-16) PRIORITY 3

ATS 3A 600A (GEH-16) PRIORITY 1 CRITICAL POWER

TO NJB EMERGENCY DISTRIBUTION SWBD

2"C,(3)#2/0,(1)#6G

T-3A
K-13
112.5kVA
480:208Y/120V 3ø,4W

(2)2-1/2"C,(5)#4/0,(1)#1/0G EA

PANEL CBD NO.3 600A MLO

PANEL CBD NO.4 400A MCB

TO NJB EMERGENCY GENERATOR DISTRIBUTION SWBD

ATS 2
200A/4P (GEH-16)
PRIORITY 2
LIFE SAFETY POWER

2-1/2"C, (4)#3/0

PANEL LSD No.1
480Y/277V, 3ø, 4W
225A (GEH-02.2)

100A/3P
100A/3P
SPARE
100A/3P
SPARE
50A/3P
SPARE
20A/3P
SPARE
SPACE
SPACE

2"C, (4)#2
PANEL GX 100A MLO

2"C, (4)#2
PANEL 2X 100A NON AUTO MCB

2"C, (4)#2
PANEL 5X 100A NON AUTO MCB

2"C, (4)#2
PANEL 8X 100A MLO

T-2
30kVA
480:208Y/120V
3ø, 4W
IMPED 3.53%

1"C, (3)#6
2"C, (4)#2
PANEL LSD No.2 225A MLO (GEH-02.2)

PANEL OLX 100A MLO

1-1/4"C, (4)#6
PANEL GXA 100A MLO NON AUTO MCB

ATS 3
600A, 4 POLE
(GEH-16)
PRIORITY 1
CRITICAL POWER

(2) 3-1/2"C
(4)#350MCM EA.

PB OLD ATS#3

PANEL CBD No.1
480Y/277V, 3ø, 4W
600A (GEH-02.2)

T-3
300kVA
480:208Y/120V
3ø, 4W, IMPED 2.5%

3"C, (3)#500MCM
(3) 3-1/2"C, (4)#400MCM EA.

400A/3P
SPARE
200A/3P
2"C, (4)#2
100A/3P
2"C, (4)#2
100A/3P
2"C, (4)#2, (1)#8G
100A/3P
45A/1P — ISOLATION PANEL OR 3-2
40A/1P — ISOLATION PANEL OR 16A (BASEMENT)
40A/1P — ISOLATION PANEL OR 16B (BASEMENT)
SPARE
20A/3P
40A/1P — ISOLATION PANEL OR 15A (BASEMENT)
40A/1P — ISOLATION PANEL OR 15B (BASEMENT)
40A/1P — TA5 ANGIO
30A/1P OFF — 2"C, (4)#2, (1)#2G
SPARE
20A/3P
45A/1P — ISOLATION PANEL OR 1-2
30A/1P — ISOLATION PANEL OR 1-1
30A/1P — ISOLATION PANEL OR 3-1
70A/1P — ISOLATION PANEL OR 13A
30A/1P — ISOLATION PANEL OR 13B
30A/1P
SPACE
30A/1P — ISOLATION PANEL OR 4-1
SPARE
45A/1P
SPARE
20A/3P
30A/1P
30A/1P — ISOLATION PANEL OR 5-1
30A/1P — ISOLATION PANEL OR 2-2
45A/1P — ISOLATION PANEL OR 1R-1
15A/1P — ISOLATION PANEL OR 1R-2
15A/1P
30A/1P — ISOLATION PANEL OR 2-1
45A/1P — ISOLATION PANEL OR 5-2
45A/1P — ISOLATION PANEL OR 4-2
SPACE
SPACE

PANEL CBD No.2, 1000A
208Y/120V, 3ø, 4W, (GEH-02.2)

225A/3P
3"C, (4)#4/0, (1)#2G
225A/3P
3"C, (4)#4/0
225A/3P
3"C, (4)#4/0
225A/3P
3"C, (4)#4/0
225A/3P
3"C, (4)#4/0, (1)#4G
225A/3P
225A/3P
SPACE
SPACE
100A/3P
100A/3P
2"C, (4)#2, (1)#2G

PANEL BYA SECTION 1 225A MLO
PANEL BYA SECTION 2 225A MLO

PANEL 1YA SECTION 1 225A MLO 10KAIC
PANEL 1YA SECTION 2 225A MLO 10KAIC
PANEL TYA SECTION 1 225A MLO 10KAIC
PANEL TYA SECTION 2 225A MLO 10KAIC

PANEL 1YB 225A MLO 10KAIC

3"C, (4)#4/0, (1)#2G
PANEL 2YA SECTION 1 225A MCB
PANEL 2YA SECTION 2 225A MLO
6018 NON AUTO MCB

PANEL 2YB SECTION 1 225A MCB
PANEL 2YB SECTION 2 225A MCB
4695 NON AUTO MCB

PANEL 2YC SECTION 1 225A MCB
PANEL 2YC SECTION 2 225A MLO
4848 NON AUTO MCB

PANEL 3YA SECTION 1 225A MCB
PANEL 3YA SECTION 2 225A MLO
5947

PANEL 4YA SECTION 1 225A MCB
PANEL 4YA SECTION 2 225A MLO
5947

PANEL 5YA SECTION 1 225A MCB
PANEL 5YA SECTION 2 225A MLO
5184

PANEL 6YA 100A MCB 10KAIC
PANEL 7YA 100A MCB 10KAIC
PANEL 8YA 100A MLO
10KAIC
1-1/4"C, (4)#6, (1)#8G
PANEL 8YA-2 100A MLO
PANEL 9YA 2 SECTIONS 225A MCB

PANEL 7YB 100A MLO

PANEL 1Y 100A MCB 14KAIC
4 #2, 1 #6 GND.

PANEL 2Y 100A NON AUTO MCB
PANEL 3Y 100A MCB
PANEL 4Y 100A MCB
PANEL 5Y 100A MCB

PANEL 6Y 50A MCB 14KAIC
PANEL 7Y 50A MCB 14KAIC
PANEL 8Y 50A MCB
PANEL 9Y 50A MCB

ISO PANEL 9IP1
ISO PANEL 9IP2
ISO PANEL 9IP3
3/4"C, (2)#10, (1)#6G

PANEL EPHZ1 600A/3P
(2)-2-1/2"C-3#350kcmil-

PANEL EP 600A/3P MLO

3/4"C, (3)#6, 1#10G.
NEW T5
30kVA
480:208Y/120V
3ø, 4W
1 1/4"C, (4)#2, 1#8G.
#8G.
100A/3P

PANEL EPA 50A/3P

3/4"C, (3)#10

PANEL EPALZ1 30A/1P (IEB)

PANEL EPALZ2 30A/1P (IEB)

10kVA
480:240/120V
1ø

1/2"C, (2)#10

MCC No.3 400A/3P

1-1/4"C, (3)#2

30A/3P

3/4"C, (3)#10

1-1/4"C, (4)#6

PANEL 100 50A/3P

250A/3P
160KVA UPS
0R17
1-1/2"C-4#1/0, 1#6G

CB
80A/3P
4,321A
1-1/2"C-4#4, 1#8G
20 KVA UPS
80A/3P
0R6
SB
1-1/2"C-4#4, 1#8G
3/4"C-2#8, 1#12G

1,760A — ISOLATION PANEL OR 6A
1,760A — ISOLATION PANEL OR 6B
ISOLATION PANEL OR 6C
1,682A — ISOLATION PANEL OR 6D
1,582A

BASEMENT

PANEL BY 100A MCB

PANEL BR 100A MLO

2"C, (4)#2, (1)#2G

PANEL BYB 225A MLO F7L

ISO PANEL 0R 17A 100A MCB

ISO PANEL 0R 17B 100A MCB

982A
1,009A

UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104

UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

ONE-LINE DIAGRAM
EMERGENCY - EH WING

CONSTRUCTION DOCUMENTS

DATE 2/14/2020
PROJECT NUMBER 191360

SHEET NUMBER
E7.02

\\951305-FI01\WORKGROUP\206451\ACTIVE\206451297\CADD-BIM\E702 Mar 26, 2020 6:06 PM By:THOFF

BASEMENT | GROUND FLOOR | 1ST FLOOR | 2ND FLOOR | 3RD FLOOR | 4TH FLOOR | 5TH FLOOR | 6TH FLOOR | 7TH FLOOR | 8TH FLOOR | 9TH FLOOR | 10TH FLOOR | 11TH FLOOR

FLAG NOTES:

1. PANEL MODIFIED AS PART OF PROJECT.
2. REMOVE PANELBOARD AND FEEDER. REFER TO SHEET E1.02 FOR ADDITIONAL REQUIREMENTS.

PANEL BNA 225A MLO 10KAIC — ISO PNL OR 16N; ISO PNL OR 15N; ISO PNL OR 16N

M2 SECONDARY SWBD 208Y/120V, 3ø, 4W — 35KAIC

M1-A, M1-B
MAIN SWITCHBOARD SECTION A & B
EACH 480Y/277V, 3ø, 4W, 3000A

3000A BUSWAY TO UTILITY VAULT — 3000A/3P 3000a — SCL METER#: 793532

3000A BUSWAY TO UTILITY VAULT — 3000A/3P 3000a — SCL METER#: 793530

3000A BUSWAY TO UTILITY VAULT — 1200A/3P — SCL METER#: 803610

(4)3-1/2"C (4)#500MCM EA

1600A

600A SPACE

150A/3P SPARE

600A/3P

(2)3-1/2", (4)350MCM

T-1 500kVA 480:208Y/120V 3ø, 4W, IMPED 3.75%

225A/3P — 3"C, (4)#4/0

400A/3P — 3", (3)350MCM → ATS-5

1000A/3P — (2) 3 1/2"C → MCC #1

400A/3P — 24"X24"X6" PULL BOX — (2) 3 1/2"C, 3#4/0, 1#2GND → 24"X24"X6" PULL BOX → MCC #1A

225A/3P — 3"-(4)#4/0, 1#4G

100A/3P SPARE OFF

150A/3P — 1-1/2"C, (3)#1/0, (1)#6G → T-GB 75kVA 480:208Y/120V 3ø, 4W → ECB 225A/3P → PANEL GB (NORTH)

600A/3P — (2)3", (3)350MCM, (1)#1/0, (1)#1/0G EA. — 3000A/3P

X-RAY DIST PANEL 480/277V

125A/3P — 1-1/2" R.O. STUBBED OUT IN CATWALK AREA
125A/3P — 1-1/2" R.O. STUBBED OUT IN CATWALK AREA
3P SPACE
100A/3P SPARE
150A/3P — 2"C, (3)#1/0, (2)#4 (GROUND IN SEPARATE RACEWAY) — T-7 480:115/230V, 3ø 112.5kVA IMPED 3% (DISCONNECTED) — 350A/3P — 2"C, (3)#1/0, (2)#4 → 100A RM N-122

600A/3P — (2)3"C, (3)#350MCM EA → ATS-4
600A/3P — (2)3"C, (3)#350MCM EA → ATS-3
200A/3P — 2-1/2"C, (4)#3/0 → ATS-2
400A/3P — 3"C, (3)#500MCM → ATS-1
100A/3P — 1-1/4"C, (3)#2 → PP1 100A MLO
1000A/3P — (2)3", (3)500MCM → TRANE CHILLER
225A/3P SPARE — 2", (3)#3/0 → PB
225A/3P SPARE
225A SPACE
600A/3P SPARE 225A/3P → ATS-3A

225/3P — 3", (4)#4/0, 65KAIC; 3-1/2", (4)#4/0, (1)#4G, 65KAIC

400A/3P — 3-1/2", (4)#500MCM, (1)#2G, 65KAIC

3", (4)#4/0, 65KAIC; 3-1/2", (4)#500MCM, 65KAIC

PANEL GA SECT. 1, 225A NON AUTO MCB; PANEL GA SECT. 2, 225A NON AUTO MCB — PANEL GL 100A MLO — 3/4"C (2)#8, (1)#12G → ISO PANEL OR6N 45A MCB — 1,100A

3/4"C (3)#6, (1)#10G → 'T2NA' ISO XFMR/ POWER CONDITIONER 15kVA 208:208Y/120V

PANEL 2A SECT. 2, 225A NON AUTO MCB; PANEL 2A SECT. 1, 225A NON AUTO MCB — 10KAIC
PANEL 3A SECT. 2, 225A NON AUTO MCB; PANEL 3A SECT. 1, 225A NON AUTO MCB — 10KAIC

1-1/4"C (4)#4, (1)#8G

PANEL 1CB 225A MLO — 10KAIC
2-1/2", (4)#4/0, (1)#2G
PANEL 1CA 225A MLO — 10KAIC

PANEL 2NLB 100A MLO — 10KAIC

PANEL 4A SECT. 2, 225A NON AUTO MCB; PANEL 4A SECT. 1, 225A NON AUTO MCB — 10KAIC
PANEL 5A SECT. 2, 225A NON AUTO MCB; PANEL 5A SECT. 1, 225A NON AUTO MCB — 10KAIC

PANEL 6B 225A MCB — 10KAIC
1-1/4"C: (4)#6, (1)#10G
PANEL 6A SECT. 2, 225A NON AUTO MCB; PANEL 6A SECT. 1, 225A NON AUTO MCB — 10KAIC
PANEL 6C SECT. 2, 50A NON AUTO MCB; PANEL 6C SECT. 1, 50A NON AUTO MCB — 10KAIC

PANEL 7B 225A MCB
PANEL 7A SECT. 1, 225A NON AUTO MCB — 10KAIC

4,970A
PANEL 8A SECT. 2, 225A NON AUTO MCB; PANEL 8A SECT. 1, 225A NON AUTO MCB — 10KAIC
4,200A
PANEL 8B 225A MCB

PANEL 8A SECT. 1, 225A NON AUTO MCB; PANEL 9A 2 SECT. 225A NON AUTO MCB — 10KAIC
PANEL 9B 225A MCB

1-1/4", (4)#6 → PANEL 8C 100A MLO → 1,150A
PANEL 10C 100A NON AUTO MCB

PANEL 1CC SECT. 1 225A MCB; PANEL 1CC SECT. 2 225A MLO — 10KAIC
3"C, (4)#4/0, (1)#2G

PANEL 3B SECTION 1 225A MCB; PANEL 3B SECTION 2 225A MCB — 10KAIC
PANEL 4B SECTION 1 225A MCB; PANEL 4B SECTION 2 225A MCB — 10KAIC
PANEL 5B SECTION 1 225A MCB; PANEL 5B SECTION 2 225A MCB — 10KAIC

PANEL GL 100A MCB
PANEL 1L 100A MCB — 3"C (4)#4/0
PANEL 2L 100A MCB — 18KAIC
3"C (4)#4/0
PANEL 3L 100A MCB
PANEL 4L 100A MCB — 14KAIC
PANEL 5L 100A MCB — 14KAIC

PANEL 6L 100A MCB — 14KAIC
3"-4#4/0, 1#4G
PANEL 7L 100A MCB — 14KAIC
3"-4#4/0, 1#4G
PANEL 8L 100A MCB — 12,980A
3 1/2"-4#4/0, 1#4G
PANEL 9L 100A MCB

160A/3P; 70A/3P — ANGIO RM TR-5

CH
1200A DISTRIBUTION
GENERAL ELECTRIC AV LINE SWBD
1200A, 1200A NEUTRAL, 65,000AIC
480V/277

CH
MAIN BREAKER
480V/277
3ø 4W

600A/3P/30KAIC GFCI — GE INDUSTRIAL BREAKER 600A, 30,000 AIC CAT #TJ4V2606 GFCI — CHILLER STARTER #1
600A/3P/30KAIC GFCI — CHILLER STARTER #2

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UW Medicine
HARBORVIEW MEDICAL CENTER

ANKROM MOISAN ARCHITECTS
ARCHITECTURAL
1505 5TH AVE, SUITE 300
SEATTLE, WA 98101
T 206.576.1600

HMC 8EH BURN UPGRADES - UW PROJECT #206970

EAST HOSPITAL
325 9TH AVENUE
SEATTLE, WA 98104
UW MEDICINE: HARBORVIEW MEDICAL CENTER

REV.	DATE	REASON FOR ISSUE

STATE OF WASHINGTON — 44431 — REGISTERED PROFESSIONAL ENGINEER

ONE-LINE DIAGRAM NORMAL - EH WING

CONSTRUCTION DOCUMENTS

DATE 2/14/2020 | PROJECT NUMBER 191360

SHEET NUMBER E7.03